

Test Data for E-UTRA Band 38

EUT: <u>Bus Validator</u> Test Model: <u>E60</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, <u>101.325</u> kPa
Test Engineer: <u>Jack Zhou</u>

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	18.25	17.99	PASS
Band38	5MHz	QPSK	37775	1RB#12	18.23	17.97	PASS
Band38	5MHz	QPSK	37775	1RB#24	18.17	17.91	PASS
Band38	5MHz	QPSK	37775	12RB#0	17.83	17.57	PASS
Band38	5MHz	QPSK	37775	12RB#6	17.82	17.56	PASS
Band38	5MHz	QPSK	37775	12RB#13	17.74	17.48	PASS
Band38	5MHz	QPSK	37775	25RB#0	17.77	17.51	PASS
Band38	5MHz	QPSK	38000	1RB#0	18.01	17.75	PASS
Band38	5MHz	QPSK	38000	1RB#12	18.25	17.99	PASS
Band38	5MHz	QPSK	38000	1RB#24	18.35	18.09	PASS
Band38	5MHz	QPSK	38000	12RB#0	17.79	17.53	PASS
Band38	5MHz	QPSK	38000	12RB#6	17.79	17.53	PASS
Band38	5MHz	QPSK	38000	12RB#13	17.91	17.65	PASS
Band38	5MHz	QPSK	38000	25RB#0	17.84	17.58	PASS
Band38	5MHz	QPSK	38225	1RB#0	19.93	19.67	PASS
Band38	5MHz	QPSK	38225	1RB#12	20.04	19.78	PASS
Band38	5MHz	QPSK	38225	1RB#24	20.08	19.82	PASS
Band38	5MHz	QPSK	38225	12RB#0	19.42	19.16	PASS
Band38	5MHz	QPSK	38225	12RB#6	19.42	19.16	PASS
Band38	5MHz	QPSK	38225	12RB#13	19.44	19.18	PASS
Band38	5MHz	QPSK	38225	25RB#0	19.44	19.18	PASS
Band38	5MHz	16QAM	37775	1RB#0	18.28	18.02	PASS
Band38	5MHz	16QAM	37775	1RB#12	18.35	18.09	PASS
Band38	5MHz	16QAM	37775	1RB#24	18.12	17.86	PASS
Band38	5MHz	16QAM	37775	12RB#0	16.82	16.56	PASS
Band38	5MHz	16QAM	37775	12RB#6	16.80	16.54	PASS
Band38	5MHz	16QAM	37775	12RB#13	16.69	16.43	PASS
Band38	5MHz	16QAM	37775	25RB#0	16.87	16.61	PASS
Band38	5MHz	16QAM	38000	1RB#0	17.46	17.20	PASS
Band38	5MHz	16QAM	38000	1RB#12	17.92	17.66	PASS
Band38	5MHz	16QAM	38000	1RB#24	18.06	17.80	PASS

Band38	5MHz	16QAM	38000	12RB#0	16.74	16.48	PASS
Band38	5MHz	16QAM	38000	12RB#6	16.83	16.57	PASS
Band38	5MHz	16QAM	38000	12RB#13	17.06	16.80	PASS
Band38	5MHz	16QAM	38000	25RB#0	16.84	16.58	PASS
Band38	5MHz	16QAM	38225	1RB#0	19.95	19.69	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.12	19.86	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.03	19.77	PASS
Band38	5MHz	16QAM	38225	12RB#0	18.55	18.29	PASS
Band38	5MHz	16QAM	38225	12RB#6	18.54	18.28	PASS
Band38	5MHz	16QAM	38225	12RB#13	18.54	18.28	PASS
Band38	5MHz	16QAM	38225	25RB#0	18.57	18.31	PASS
Band38	10MHz	QPSK	37800	1RB#0	18.19	17.93	PASS
Band38	10MHz	QPSK	37800	1RB#24	18.19	17.93	PASS
Band38	10MHz	QPSK	37800	1RB#49	17.93	17.67	PASS
Band38	10MHz	QPSK	37800	25RB#0	17.71	17.45	PASS
Band38	10MHz	QPSK	37800	25RB#12	17.72	17.46	PASS
Band38	10MHz	QPSK	37800	25RB#25	17.53	17.27	PASS
Band38	10MHz	QPSK	37800	50RB#0	17.60	17.34	PASS
Band38	10MHz	QPSK	38000	1RB#0	17.95	17.69	PASS
Band38	10MHz	QPSK	38000	1RB#24	18.18	17.92	PASS
Band38	10MHz	QPSK	38000	1RB#49	18.59	18.33	PASS
Band38	10MHz	QPSK	38000	25RB#0	17.60	17.34	PASS
Band38	10MHz	QPSK	38000	25RB#12	17.61	17.35	PASS
Band38	10MHz	QPSK	38000	25RB#25	18.12	17.86	PASS
Band38	10MHz	QPSK	38000	50RB#0	17.86	17.60	PASS
Band38	10MHz	QPSK	38200	1RB#0	19.62	19.36	PASS
Band38	10MHz	QPSK	38200	1RB#24	19.78	19.52	PASS
Band38	10MHz	QPSK	38200	1RB#49	19.84	19.58	PASS
Band38	10MHz	QPSK	38200	25RB#0	19.35	19.09	PASS
Band38	10MHz	QPSK	38200	25RB#12	19.35	19.09	PASS
Band38	10MHz	QPSK	38200	25RB#25	19.34	19.08	PASS
Band38	10MHz	QPSK	38200	50RB#0	19.34	19.08	PASS
Band38	10MHz	16QAM	37800	1RB#0	17.81	17.55	PASS
Band38	10MHz	16QAM	37800	1RB#24	17.67	17.41	PASS
Band38	10MHz	16QAM	37800	1RB#49	17.62	17.36	PASS
Band38	10MHz	16QAM	37800	25RB#0	16.91	16.65	PASS
Band38	10MHz	16QAM	37800	25RB#12	16.75	16.49	PASS

Band38	10MHz	16QAM	37800	25RB#25	16.68	16.42	PASS
Band38	10MHz	16QAM	37800	50RB#0	16.73	16.47	PASS
Band38	10MHz	16QAM	38000	1RB#0	17.43	17.17	PASS
Band38	10MHz	16QAM	38000	1RB#24	17.84	17.58	PASS
Band38	10MHz	16QAM	38000	1RB#49	18.41	18.15	PASS
Band38	10MHz	16QAM	38000	25RB#0	16.90	16.64	PASS
Band38	10MHz	16QAM	38000	25RB#12	16.90	16.64	PASS
Band38	10MHz	16QAM	38000	25RB#25	17.25	16.99	PASS
Band38	10MHz	16QAM	38000	50RB#0	16.87	16.61	PASS
Band38	10MHz	16QAM	38200	1RB#0	19.32	19.06	PASS
Band38	10MHz	16QAM	38200	1RB#24	19.40	19.14	PASS
Band38	10MHz	16QAM	38200	1RB#49	19.51	19.25	PASS
Band38	10MHz	16QAM	38200	25RB#0	18.39	18.13	PASS
Band38	10MHz	16QAM	38200	25RB#12	18.39	18.13	PASS
Band38	10MHz	16QAM	38200	25RB#25	18.49	18.23	PASS
Band38	10MHz	16QAM	38200	50RB#0	18.47	18.21	PASS
Band38	15MHz	QPSK	37825	1RB#0	18.17	17.91	PASS
Band38	15MHz	QPSK	37825	1RB#38	17.95	17.69	PASS
Band38	15MHz	QPSK	37825	1RB#74	17.95	17.69	PASS
Band38	15MHz	QPSK	37825	38RB#0	17.55	17.29	PASS
Band38	15MHz	QPSK	37825	38RB#18	17.54	17.28	PASS
Band38	15MHz	QPSK	37825	38RB#37	17.54	17.28	PASS
Band38	15MHz	QPSK	37825	75RB#0	17.54	17.28	PASS
Band38	15MHz	QPSK	38000	1RB#0	17.76	17.50	PASS
Band38	15MHz	QPSK	38000	1RB#38	18.26	18.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	18.77	18.51	PASS
Band38	15MHz	QPSK	38000	38RB#0	17.86	17.60	PASS
Band38	15MHz	QPSK	38000	38RB#18	17.86	17.60	PASS
Band38	15MHz	QPSK	38000	38RB#37	17.86	17.60	PASS
Band38	15MHz	QPSK	38000	75RB#0	17.86	17.60	PASS
Band38	15MHz	QPSK	38175	1RB#0	19.18	18.92	PASS
Band38	15MHz	QPSK	38175	1RB#38	19.61	19.35	PASS
Band38	15MHz	QPSK	38175	1RB#74	19.78	19.52	PASS
Band38	15MHz	QPSK	38175	38RB#0	19.26	19.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	19.25	18.99	PASS
Band38	15MHz	QPSK	38175	38RB#37	19.25	18.99	PASS
Band38	15MHz	QPSK	38175	75RB#0	19.24	18.98	PASS

Band38	15MHz	16QAM	37825	1RB#0	17.94	17.68	PASS
Band38	15MHz	16QAM	37825	1RB#38	17.59	17.33	PASS
Band38	15MHz	16QAM	37825	1RB#74	17.46	17.20	PASS
Band38	15MHz	16QAM	37825	38RB#0	17.55	17.29	PASS
Band38	15MHz	16QAM	37825	38RB#18	17.54	17.28	PASS
Band38	15MHz	16QAM	37825	38RB#37	17.54	17.28	PASS
Band38	15MHz	16QAM	37825	75RB#0	16.83	16.57	PASS
Band38	15MHz	16QAM	38000	1RB#0	17.33	17.07	PASS
Band38	15MHz	16QAM	38000	1RB#38	17.85	17.59	PASS
Band38	15MHz	16QAM	38000	1RB#74	18.48	18.22	PASS
Band38	15MHz	16QAM	38000	38RB#0	17.86	17.60	PASS
Band38	15MHz	16QAM	38000	38RB#18	17.86	17.60	PASS
Band38	15MHz	16QAM	38000	38RB#37	17.86	17.60	PASS
Band38	15MHz	16QAM	38000	75RB#0	17.00	16.74	PASS
Band38	15MHz	16QAM	38175	1RB#0	18.84	18.58	PASS
Band38	15MHz	16QAM	38175	1RB#38	19.37	19.11	PASS
Band38	15MHz	16QAM	38175	1RB#74	19.44	19.18	PASS
Band38	15MHz	16QAM	38175	38RB#0	19.25	18.99	PASS
Band38	15MHz	16QAM	38175	38RB#18	19.25	18.99	PASS
Band38	15MHz	16QAM	38175	38RB#37	19.24	18.98	PASS
Band38	15MHz	16QAM	38175	75RB#0	18.36	18.10	PASS
Band38	20MHz	QPSK	37850	1RB#0	18.33	18.07	PASS
Band38	20MHz	QPSK	37850	1RB#49	18.08	17.82	PASS
Band38	20MHz	QPSK	37850	1RB#99	17.95	17.69	PASS
Band38	20MHz	QPSK	37850	50RB#0	17.75	17.49	PASS
Band38	20MHz	QPSK	37850	50RB#25	17.61	17.35	PASS
Band38	20MHz	QPSK	37850	50RB#50	17.34	17.08	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.65	17.39	PASS
Band38	20MHz	QPSK	38000	1RB#0	18.12	17.86	PASS
Band38	20MHz	QPSK	38000	1RB#49	18.51	18.25	PASS
Band38	20MHz	QPSK	38000	1RB#99	19.28	19.02	PASS
Band38	20MHz	QPSK	38000	50RB#0	17.55	17.29	PASS
Band38	20MHz	QPSK	38000	50RB#25	17.56	17.30	PASS
Band38	20MHz	QPSK	38000	50RB#50	18.26	18.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.83	17.57	PASS
Band38	20MHz	QPSK	38150	1RB#0	18.98	18.72	PASS
Band38	20MHz	QPSK	38150	1RB#49	19.60	19.34	PASS

Band38	20MHz	QPSK	38150	1RB#99	19.61	19.35	PASS
Band38	20MHz	QPSK	38150	50RB#0	18.44	18.18	PASS
Band38	20MHz	QPSK	38150	50RB#25	18.36	18.10	PASS
Band38	20MHz	QPSK	38150	50RB#50	19.20	18.94	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.84	18.58	PASS
Band38	20MHz	16QAM	37850	1RB#0	18.36	18.10	PASS
Band38	20MHz	16QAM	37850	1RB#49	17.99	17.73	PASS
Band38	20MHz	16QAM	37850	1RB#99	18.10	17.84	PASS
Band38	20MHz	16QAM	37850	50RB#0	16.87	16.61	PASS
Band38	20MHz	16QAM	37850	50RB#25	16.88	16.62	PASS
Band38	20MHz	16QAM	37850	50RB#50	16.61	16.35	PASS
Band38	20MHz	16QAM	37850	100RB#0	16.77	16.51	PASS
Band38	20MHz	16QAM	38000	1RB#0	17.61	17.35	PASS
Band38	20MHz	16QAM	38000	1RB#49	17.90	17.64	PASS
Band38	20MHz	16QAM	38000	1RB#99	18.77	18.51	PASS
Band38	20MHz	16QAM	38000	50RB#0	16.73	16.47	PASS
Band38	20MHz	16QAM	38000	50RB#25	16.73	16.47	PASS
Band38	20MHz	16QAM	38000	50RB#50	17.43	17.17	PASS
Band38	20MHz	16QAM	38000	100RB#0	16.97	16.71	PASS
Band38	20MHz	16QAM	38150	1RB#0	18.93	18.67	PASS
Band38	20MHz	16QAM	38150	1RB#49	19.60	19.34	PASS
Band38	20MHz	16QAM	38150	1RB#99	19.84	19.58	PASS
Band38	20MHz	16QAM	38150	50RB#0	17.87	17.61	PASS
Band38	20MHz	16QAM	38150	50RB#25	17.78	17.52	PASS
Band38	20MHz	16QAM	38150	50RB#50	18.45	18.19	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.00	17.74	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

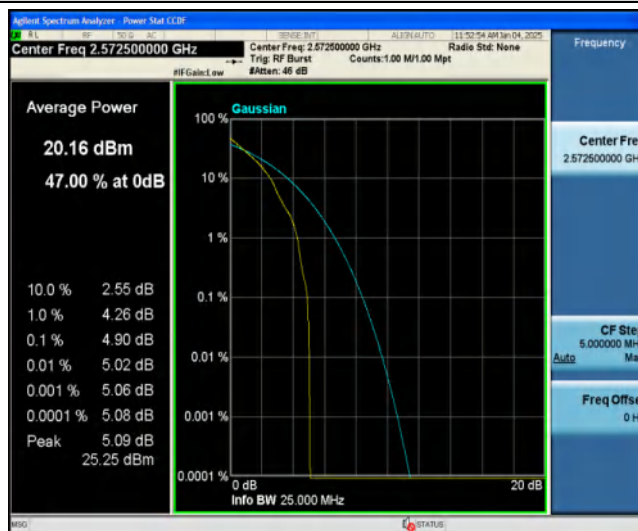
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	4.90	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.27	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	5.58	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.57	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	4.92	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.20	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	5.86	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.01	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	6.05	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.27	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	5.55	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	5.95	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	5.19	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.40	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	5.52	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.62	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	5.21	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.30	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	6.22	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.17	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	5.86	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.28	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	5.89	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	6.09	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	5.66	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.68	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	5.70	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.87	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	5.34	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.59	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	6.27	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.29	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	6.22	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.41	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	5.81	13	PASS

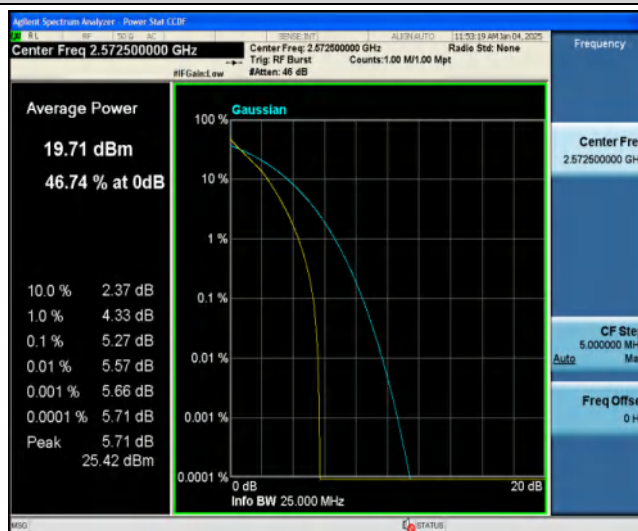
Band38	15MHz	16QAM	38175	75RB#0	6.13	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	4.96	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.59	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	5.55	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.81	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	5.45	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.56	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	5.27	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.33	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	5.89	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.47	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	6.14	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.25	13	PASS

Test Graphs

Band38-5MHz-QPSK-37775-1RB#0



Band38-5MHz-QPSK-37775-25RB#0



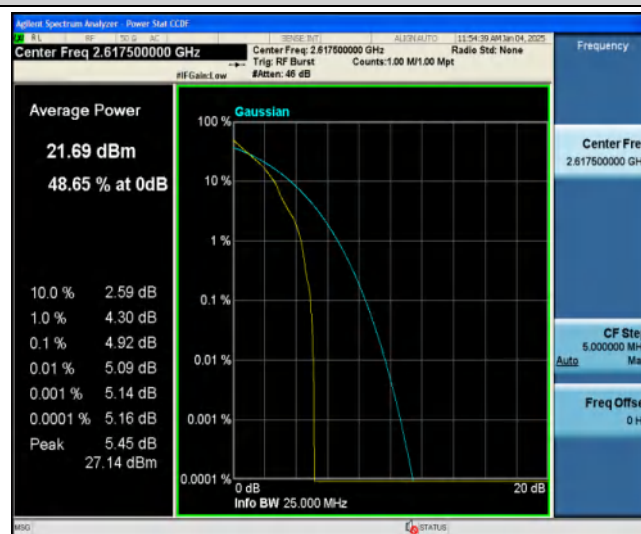
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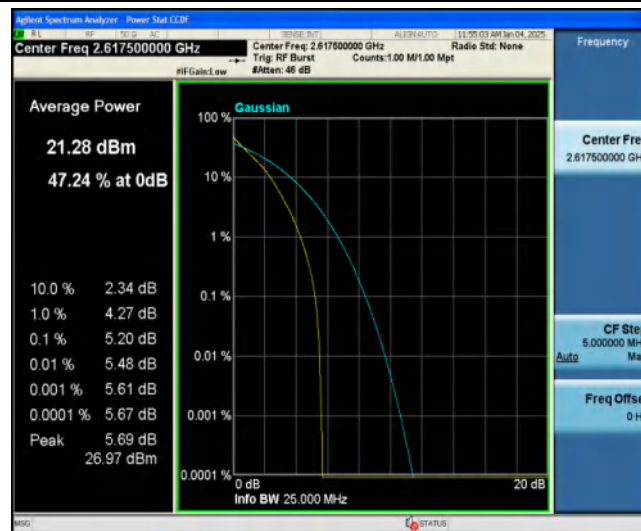
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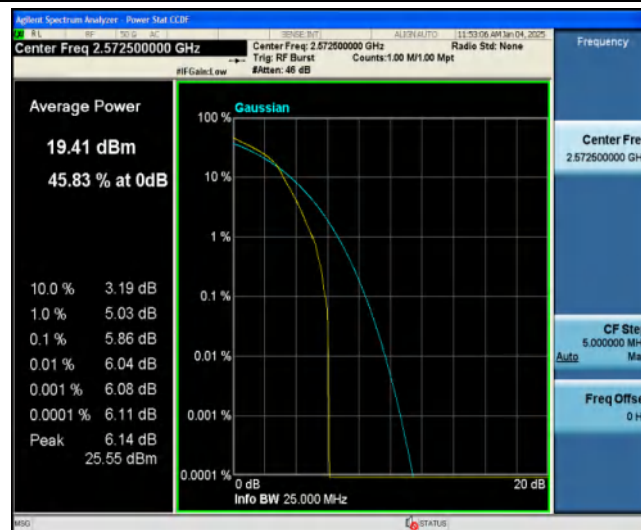
Band38-5MHz-QPSK-38225-1RB#0



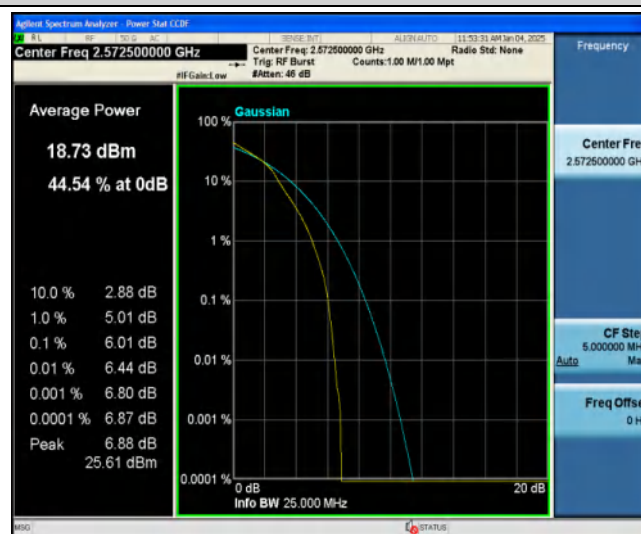
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Band38-5MHz-16QAM-37775-1RB#0



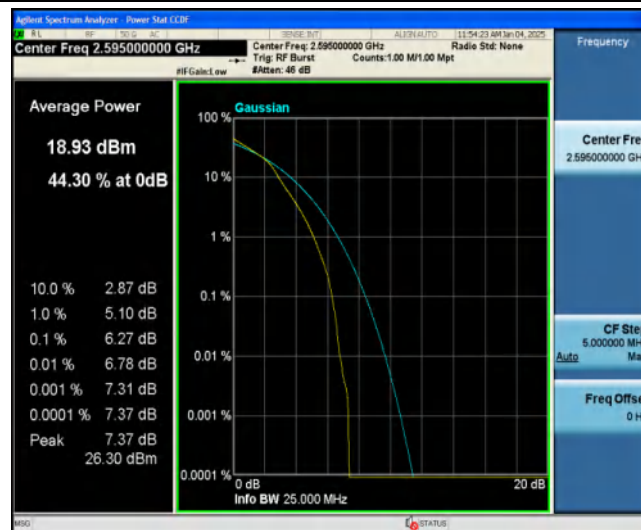
Band38-5MHz-16QAM-37775-25RB#0



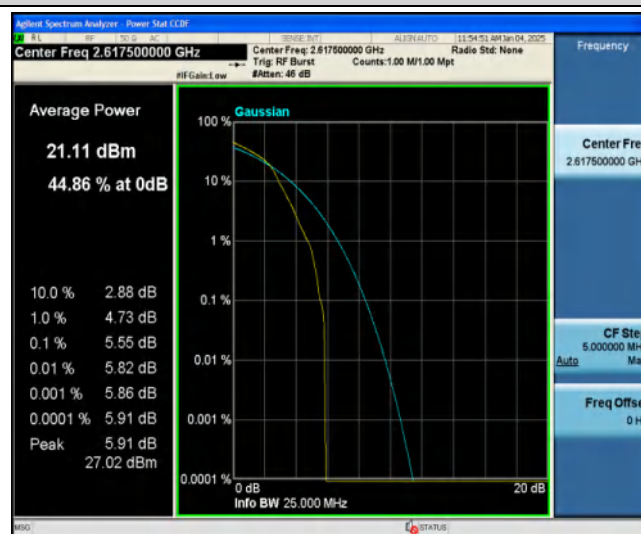
Band38-5MHz-16QAM-38000-1RB#0



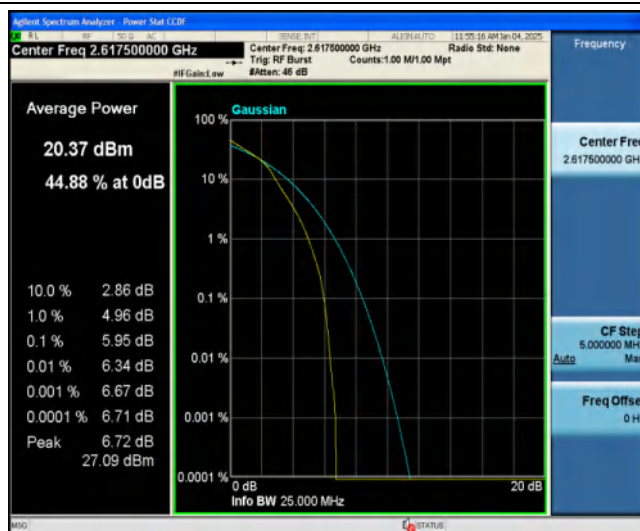
Band38-5MHz-16QAM-38000-25RB#0



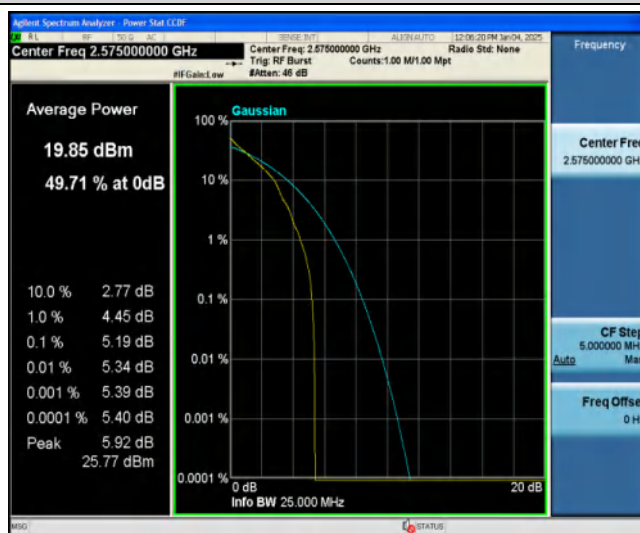
Band38-5MHz-16QAM-38225-1RB#0



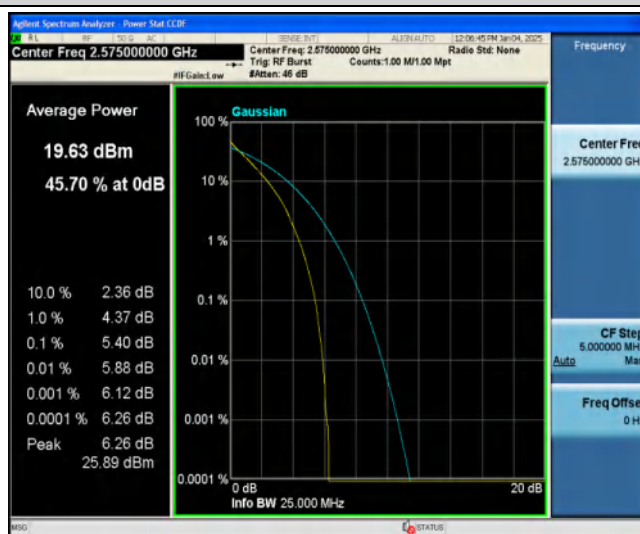
Band38-5MHz-16QAM-38225-25RB#0



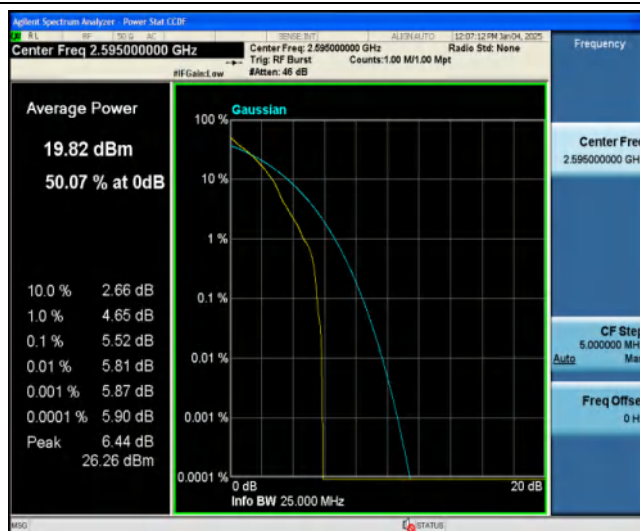
Band38-10MHz-QPSK-37800-1RB#0



Band38-10MHz-QPSK-37800-50RB#0



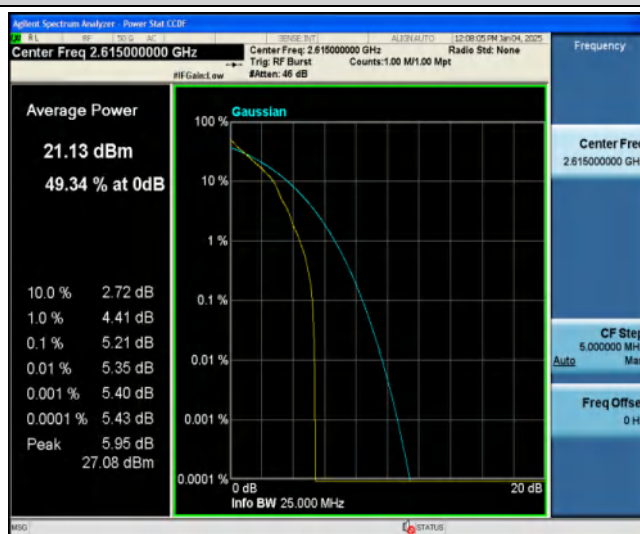
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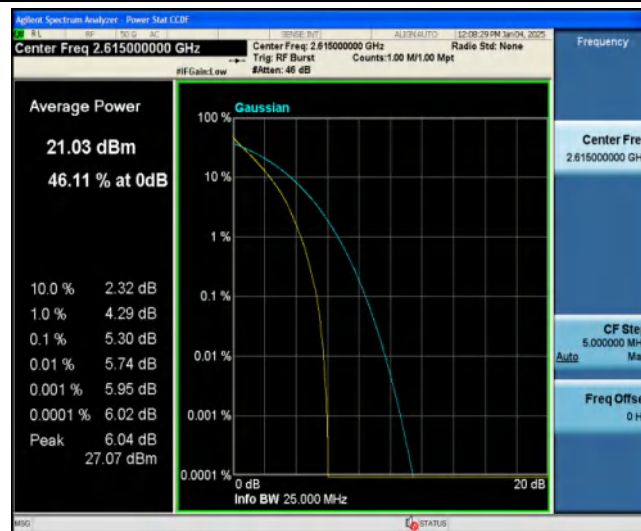
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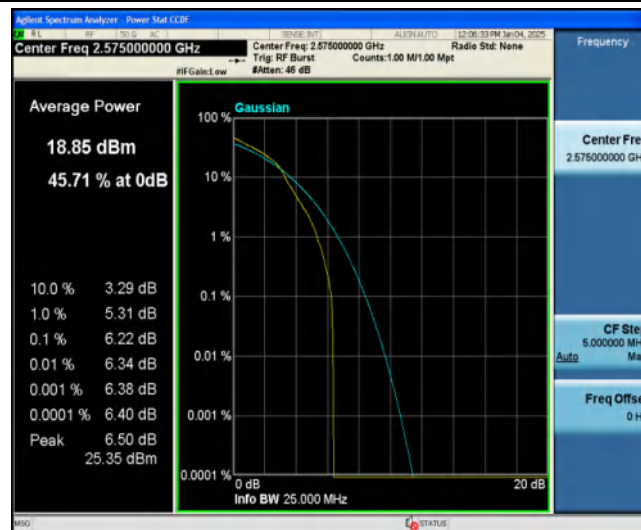
Band38-10MHz-QPSK-38200-1RB#0



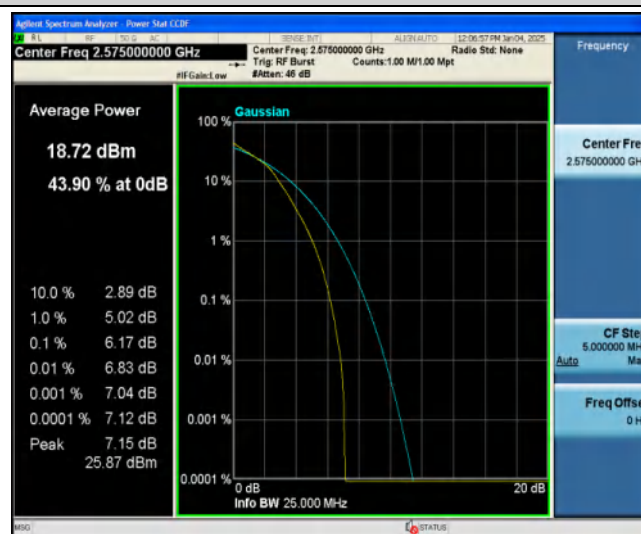
Band38-10MHz-QPSK-38200-50RB#0



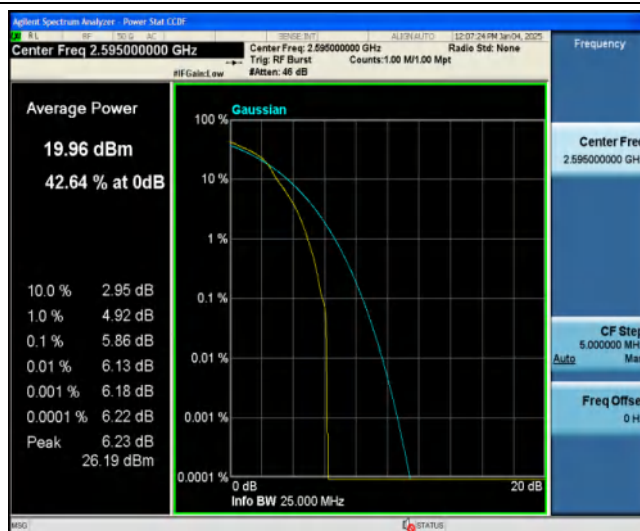
Band38-10MHz-16QAM-37800-1RB#0



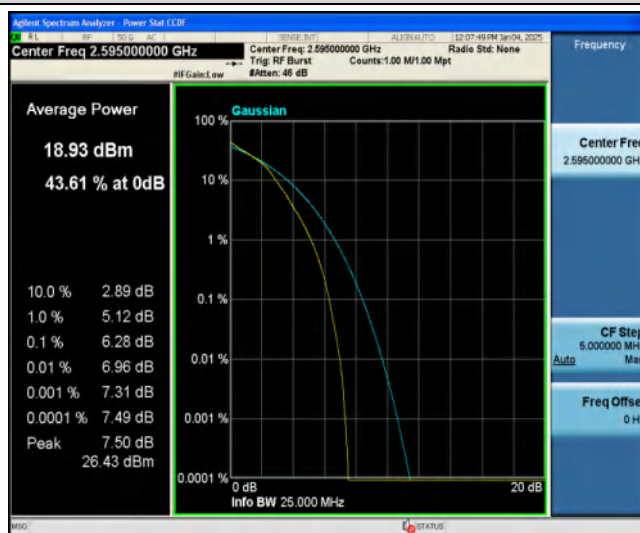
Band38-10MHz-16QAM-37800-50RB#0



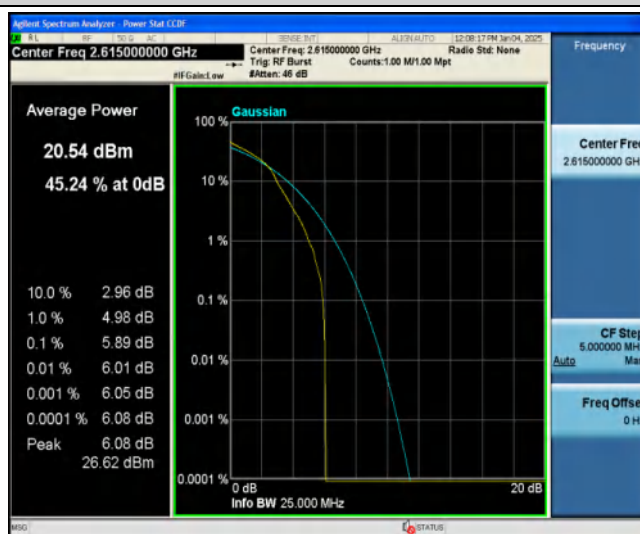
Band38-10MHz-16QAM-38000-1RB#0



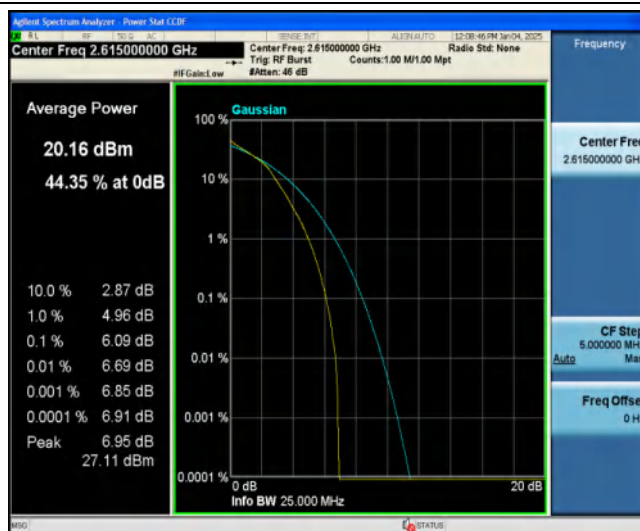
Band38-10MHz-16QAM-38000-50RB#0



Band38-10MHz-16QAM-38200-1RB#0



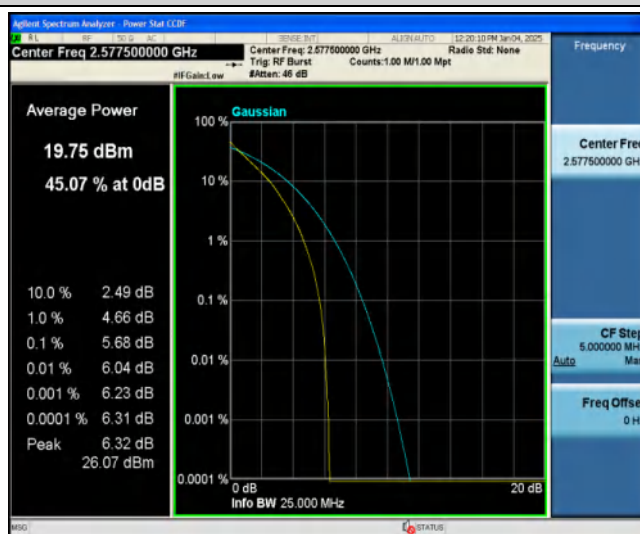
Band38-10MHz-16QAM-38200-50RB#0



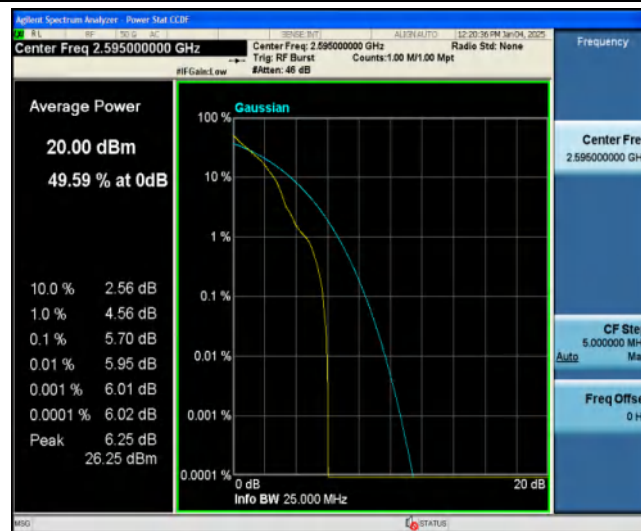
Band38-15MHz-QPSK-37825-1RB#0



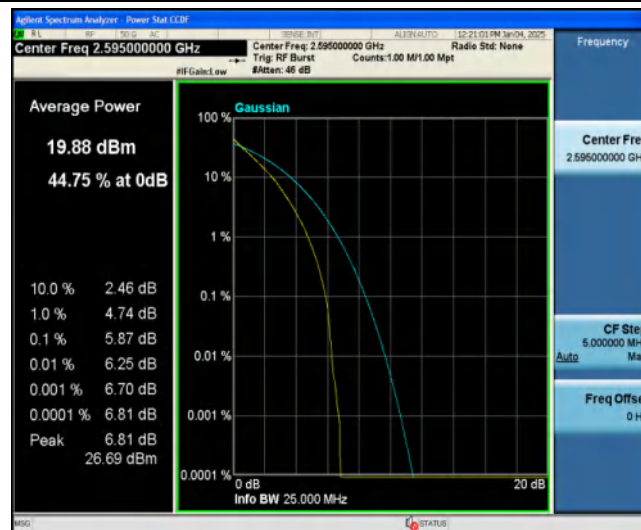
Band38-15MHz-QPSK-37825-75RB#0



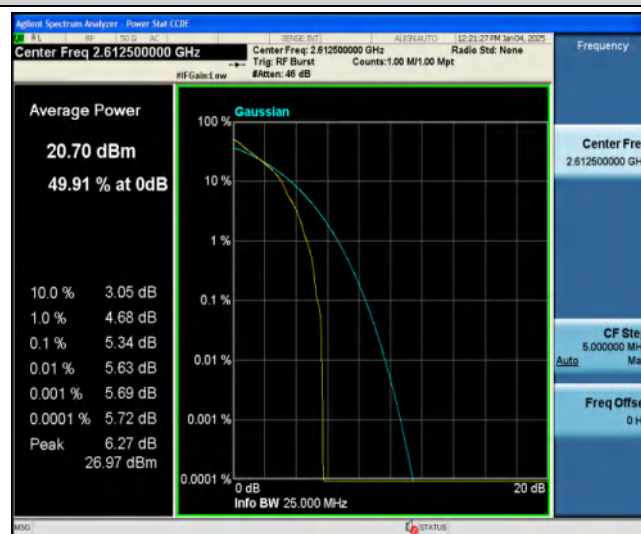
Band38-15MHz-QPSK-38000-1RB#0



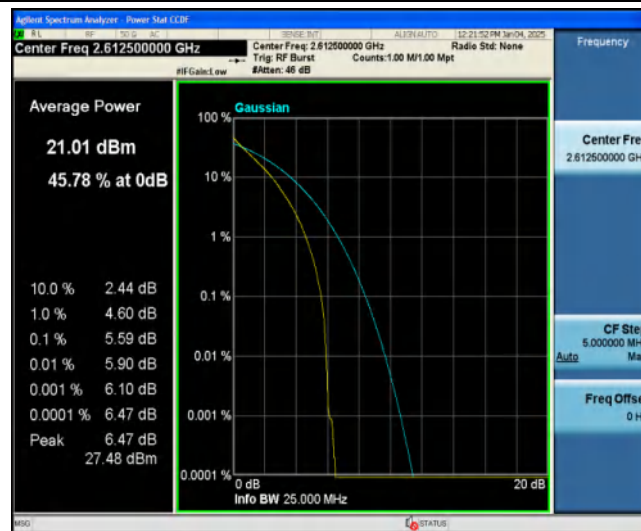
Band38-15MHz-QPSK-38000-75RB#0



Band38-15MHz-QPSK-38175-1RB#0



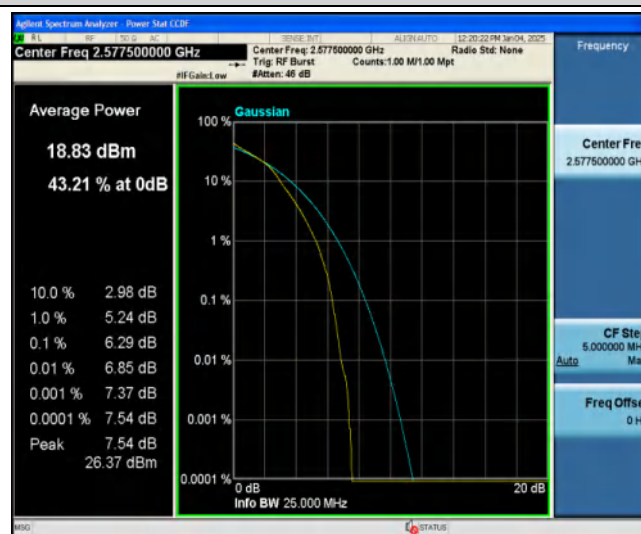
Band38-15MHz-QPSK-38175-75RB#0



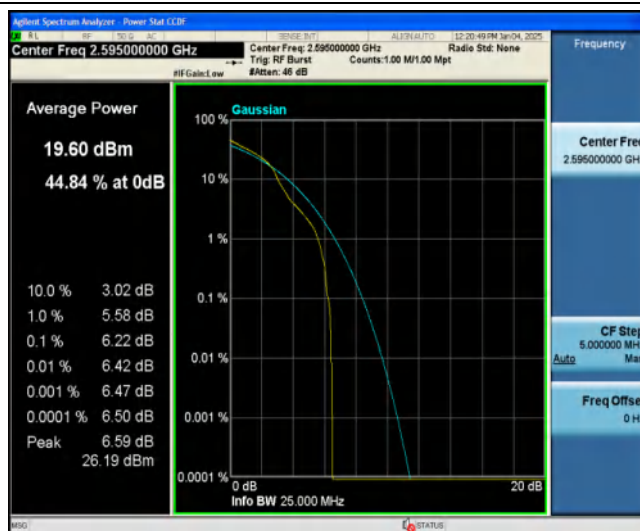
Band38-15MHz-16QAM-37825-1RB#0



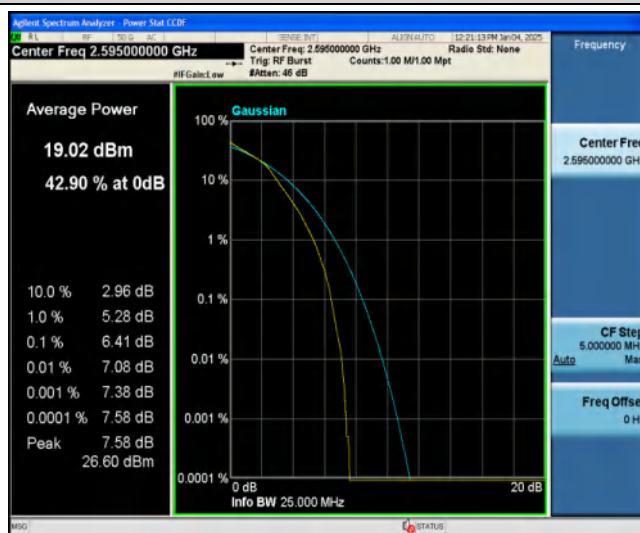
Band38-15MHz-16QAM-37825-75RB#0



Band38-15MHz-16QAM-38000-1RB#0



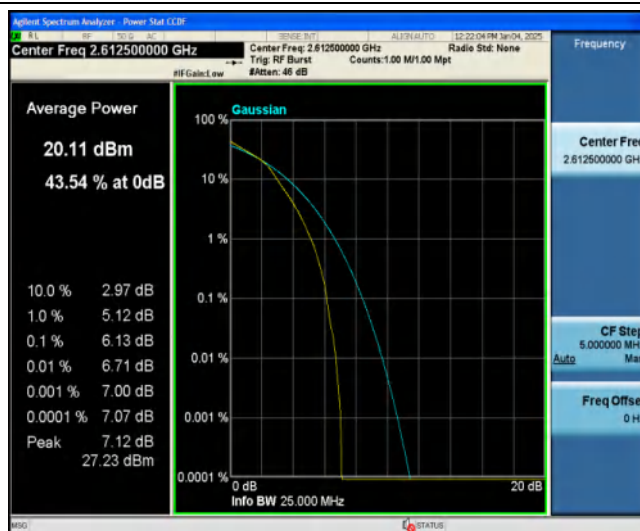
Band38-15MHz-16QAM-38000-75RB#0



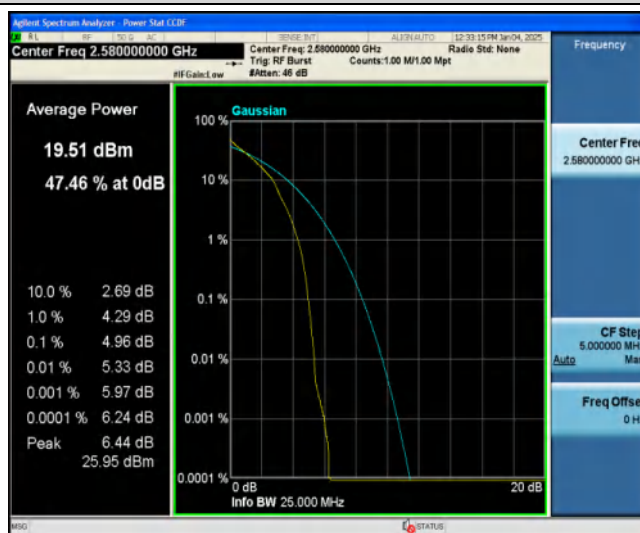
Band38-15MHz-16QAM-38175-1RB#0



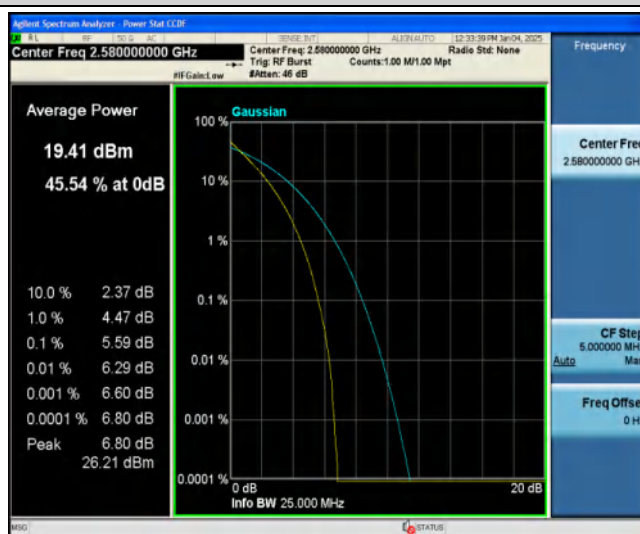
Band38-15MHz-16QAM-38175-75RB#0



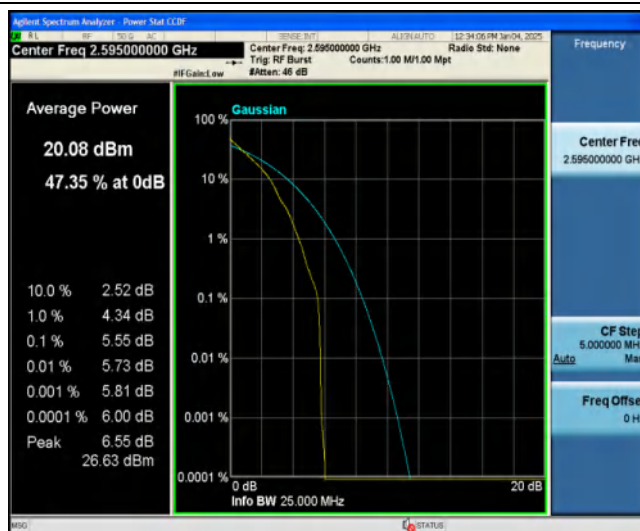
Band38-20MHz-QPSK-37850-1RB#0



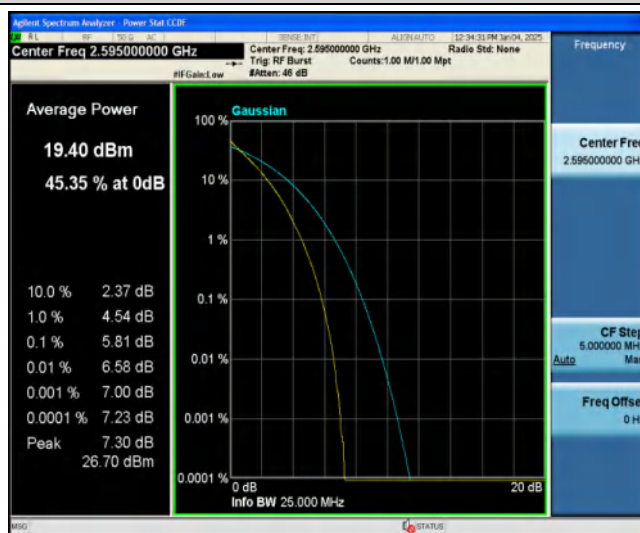
Band38-20MHz-QPSK-37850-100RB#0



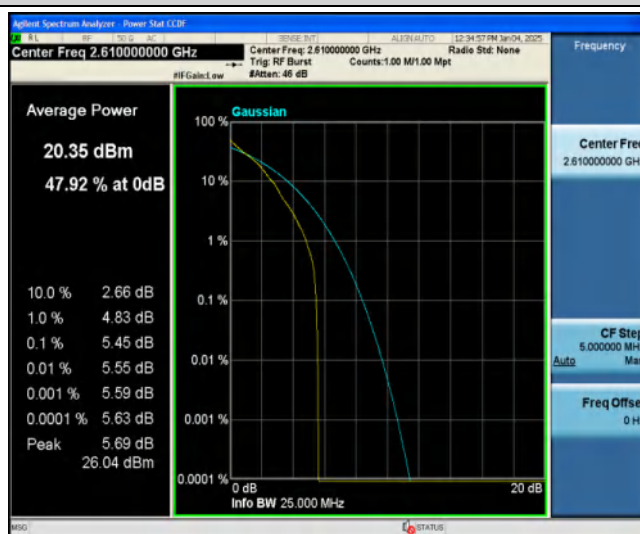
Band38-20MHz-QPSK-38000-1RB#0



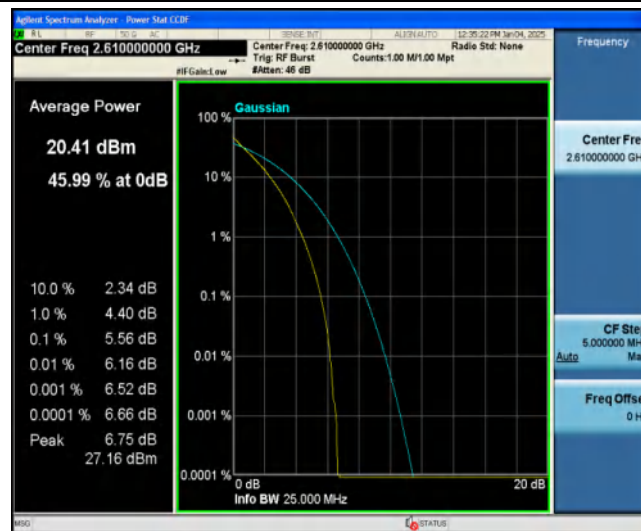
Band38-20MHz-QPSK-38000-100RB#0



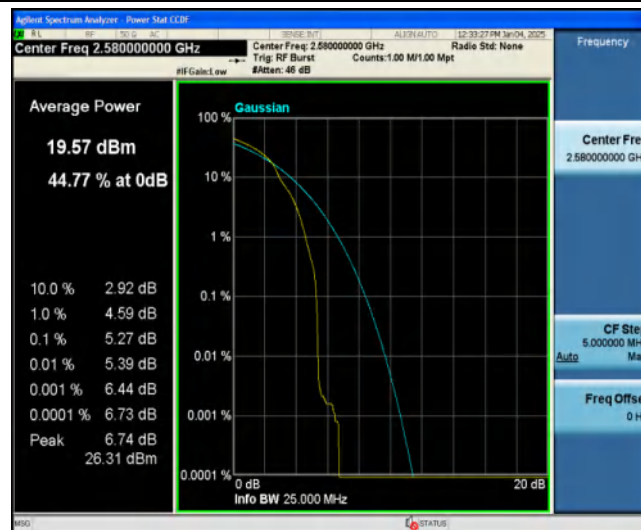
Band38-20MHz-QPSK-38150-1RB#0



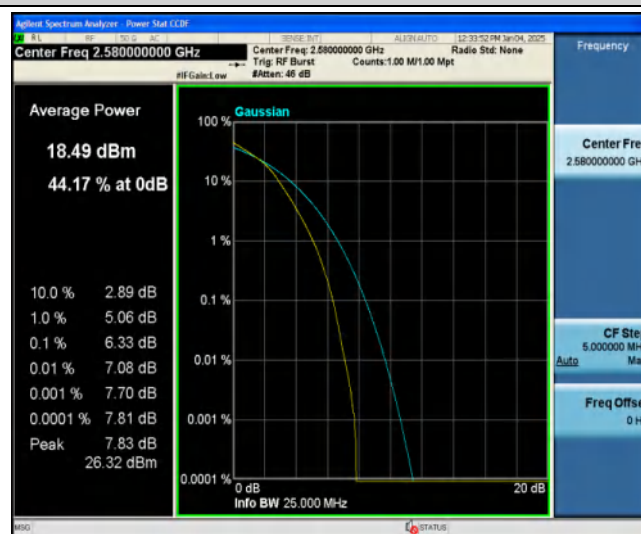
Band38-20MHz-QPSK-38150-100RB#0



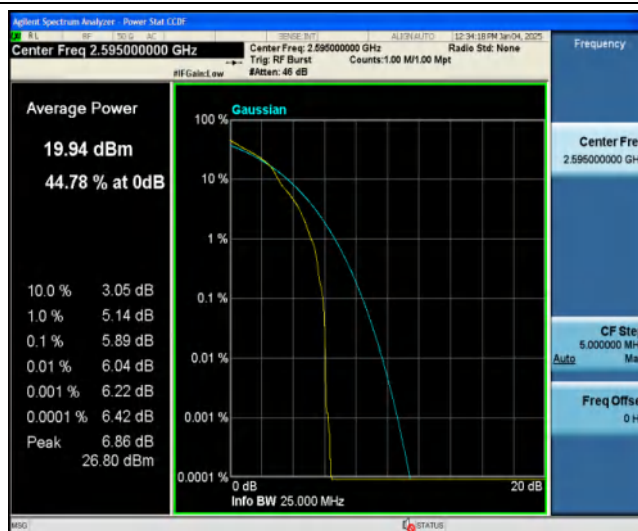
Band38-20MHz-16QAM-37850-1RB#0



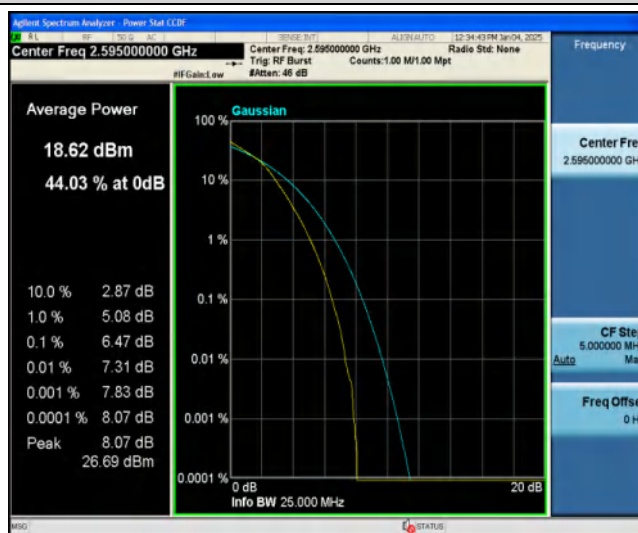
Band38-20MHz-16QAM-37850-100RB#0



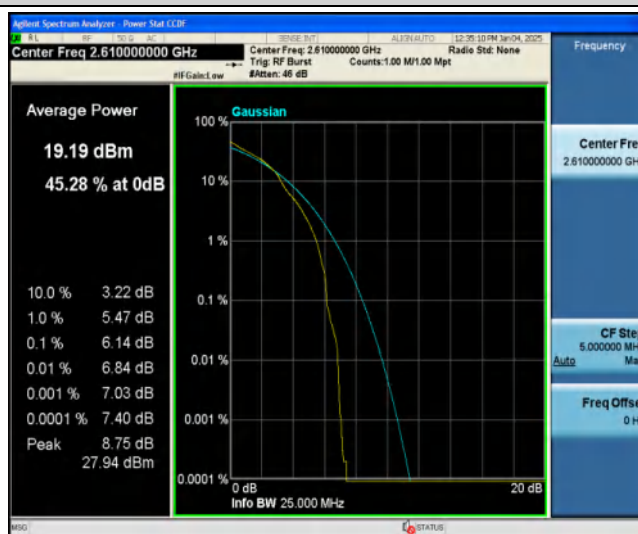
Band38-20MHz-16QAM-38000-1RB#0



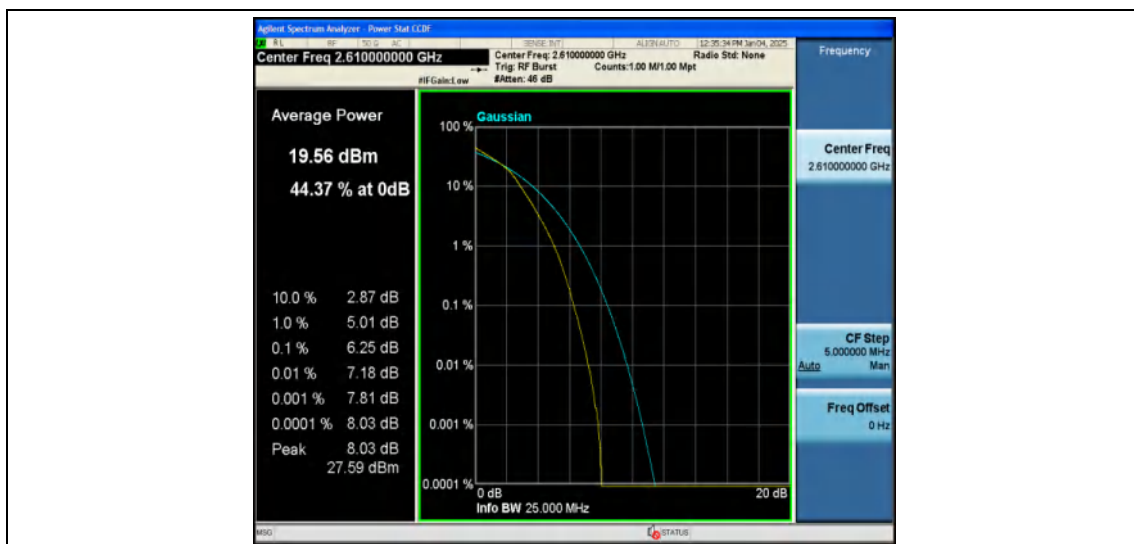
Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-1RB#0



Band38-20MHz-16QAM-38150-100RB#0



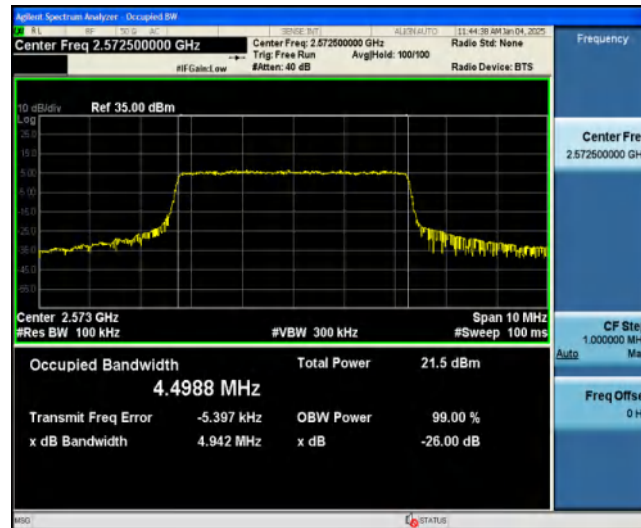
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

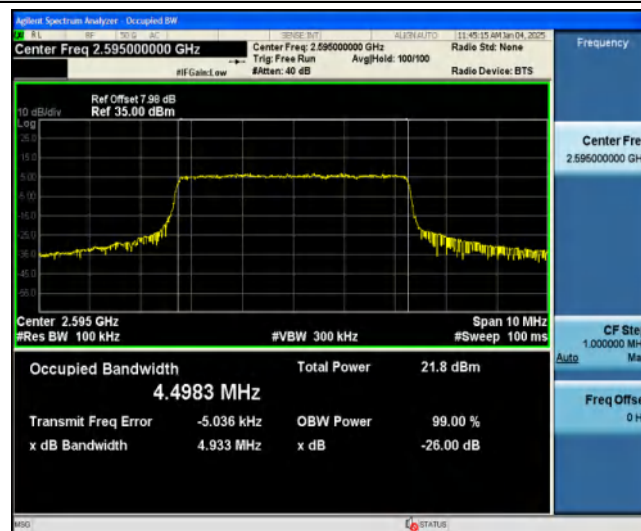
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4988	4.942	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4983	4.933	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4940	4.926	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4954	4.867	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4885	4.900	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4900	4.844	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9682	9.540	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9804	9.506	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9811	9.544	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9793	9.600	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9742	9.587	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9777	9.595	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.477	14.32	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.460	14.30	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.452	14.26	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.469	14.29	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.444	14.27	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.463	14.31	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.949	18.97	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.957	19.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.943	19.01	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.939	18.94	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.971	18.99	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.957	19.00	PASS

Test Graphs

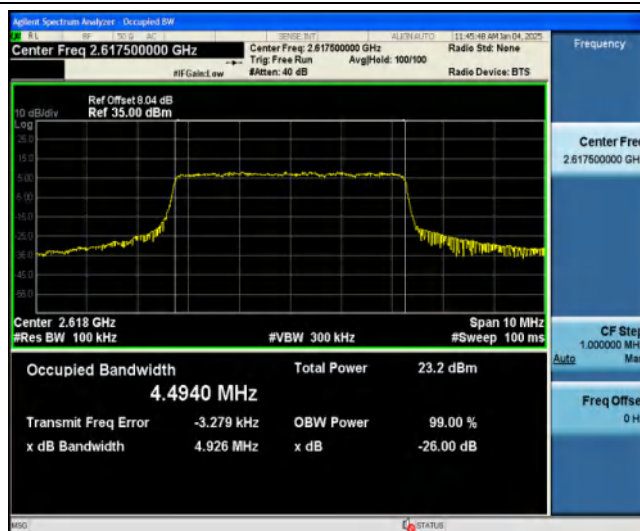
Band38-5MHz-QPSK-37775-25RB#0



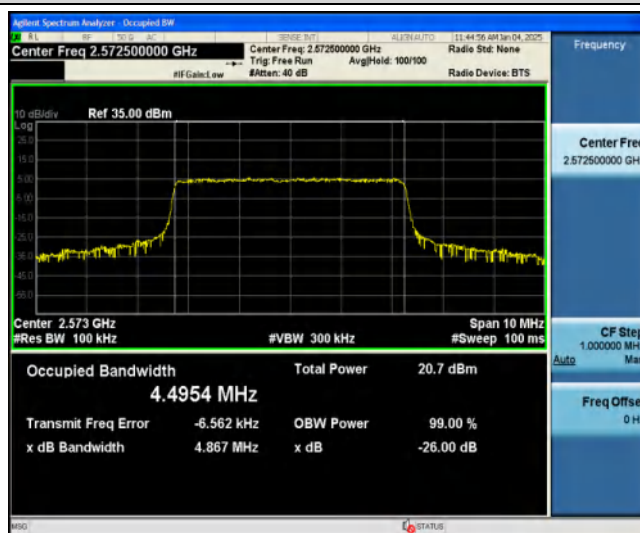
Band38-5MHz-QPSK-38000-25RB#0



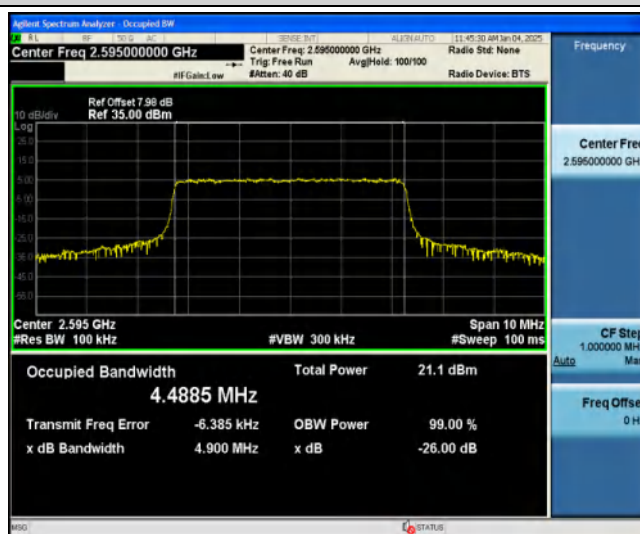
Band38-5MHz-QPSK-38225-25RB#0



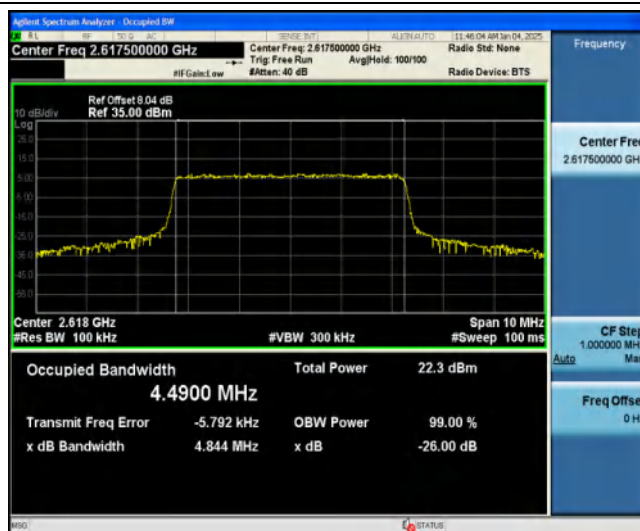
Band38-5MHz-16QAM-37775-25RB#0



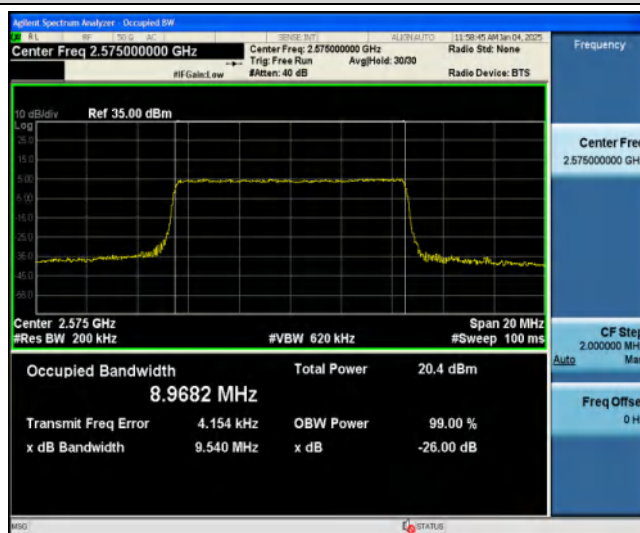
Band38-5MHz-16QAM-38000-25RB#0



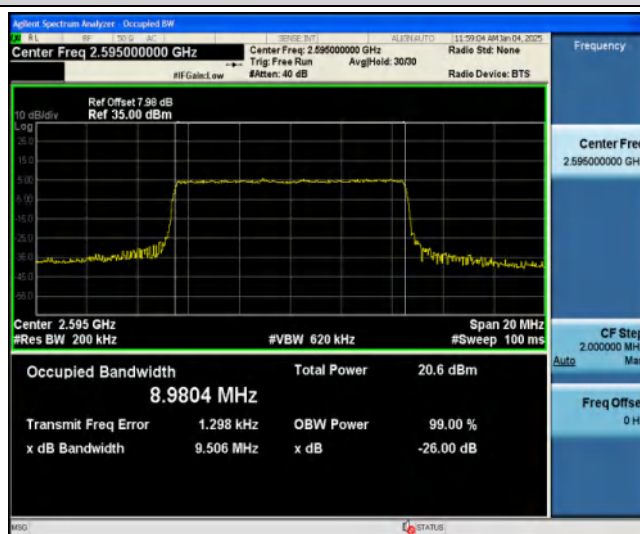
Band38-5MHz-16QAM-38225-25RB#0



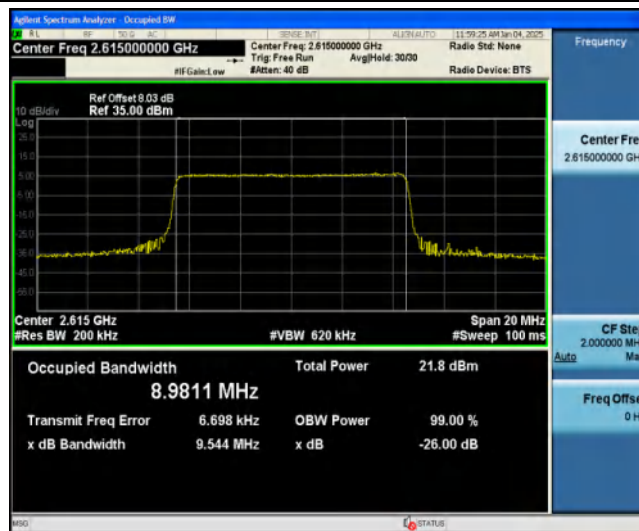
Band38-10MHz-QPSK-37800-50RB#0



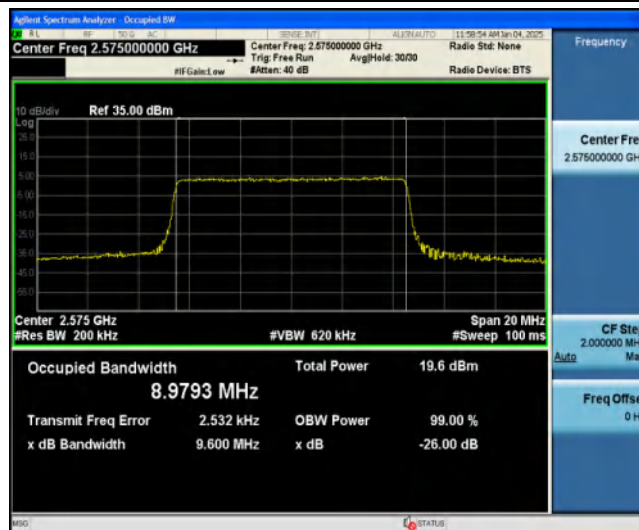
Band38-10MHz-QPSK-38000-50RB#0



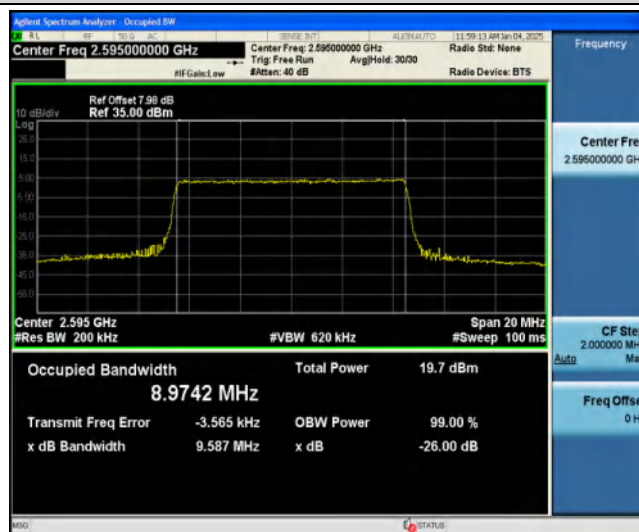
Band38-10MHz-QPSK-38200-50RB#0



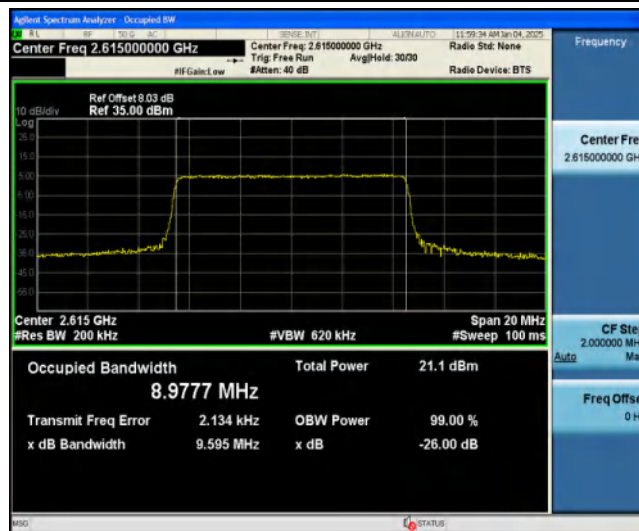
Band38-10MHz-16QAM-37800-50RB#0



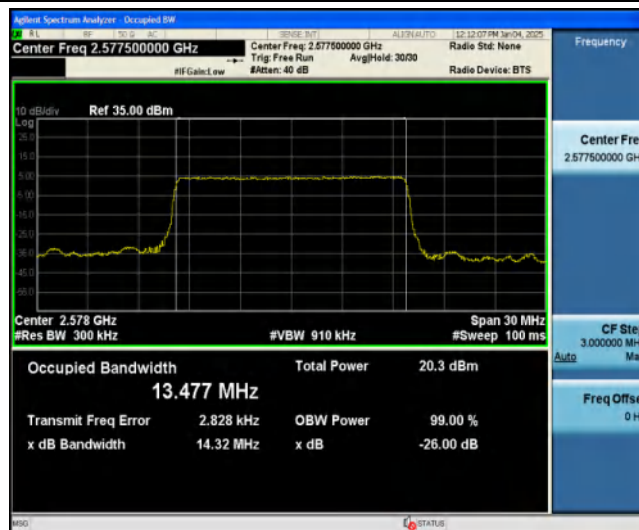
Band38-10MHz-16QAM-38000-50RB#0



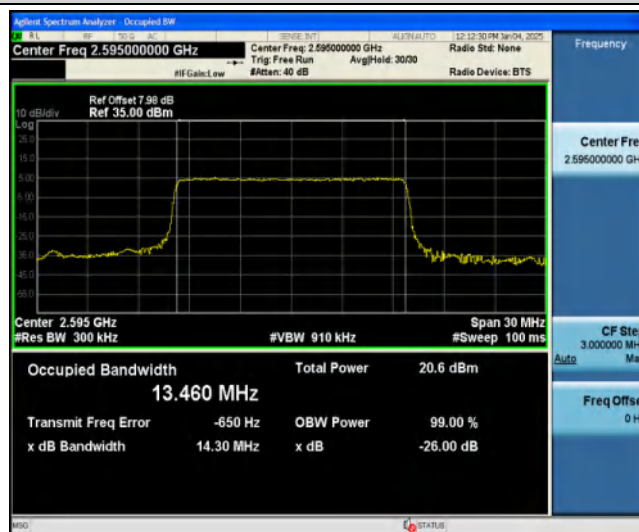
Band38-10MHz-16QAM-38200-50RB#0



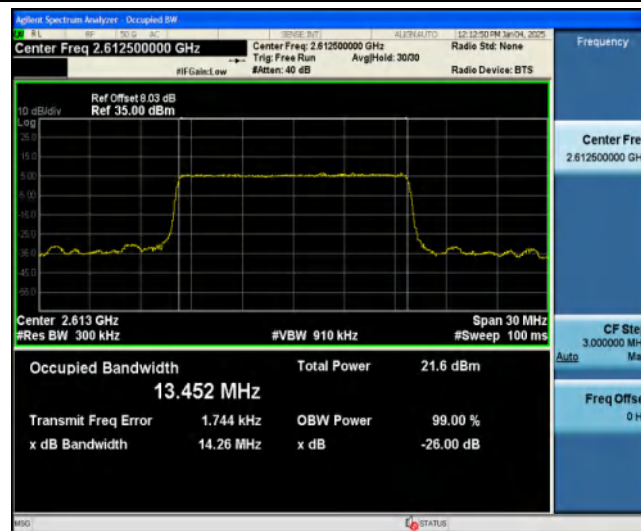
Band38-15MHz-QPSK-37825-75RB#0



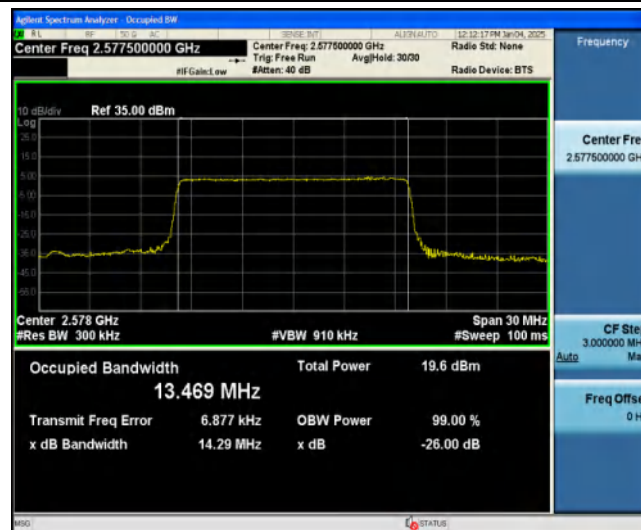
Band38-15MHz-QPSK-38000-75RB#0



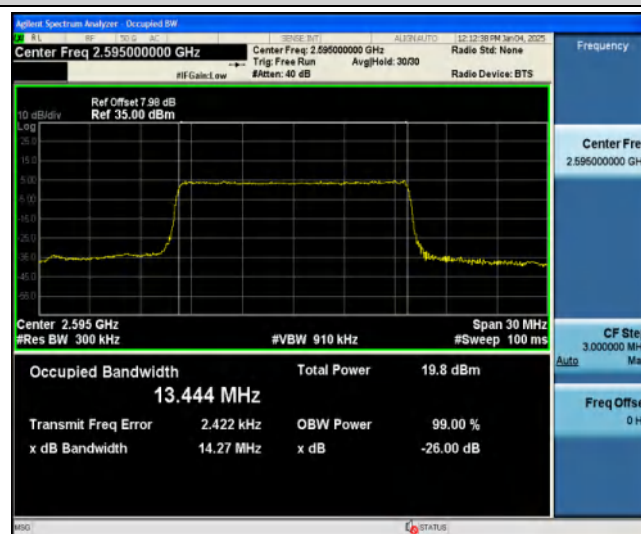
Band38-15MHz-QPSK-38175-75RB#0



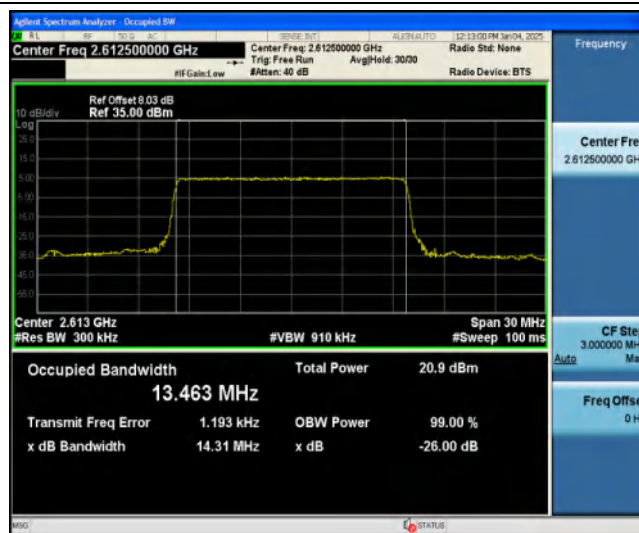
Band38-15MHz-16QAM-37825-75RB#0



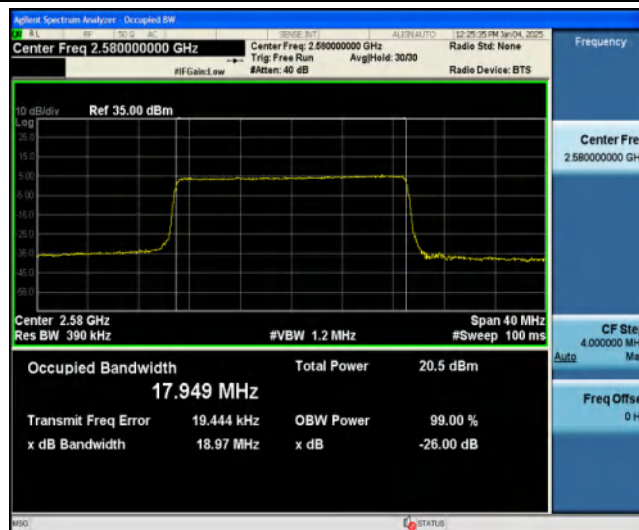
Band38-15MHz-16QAM-38000-75RB#0



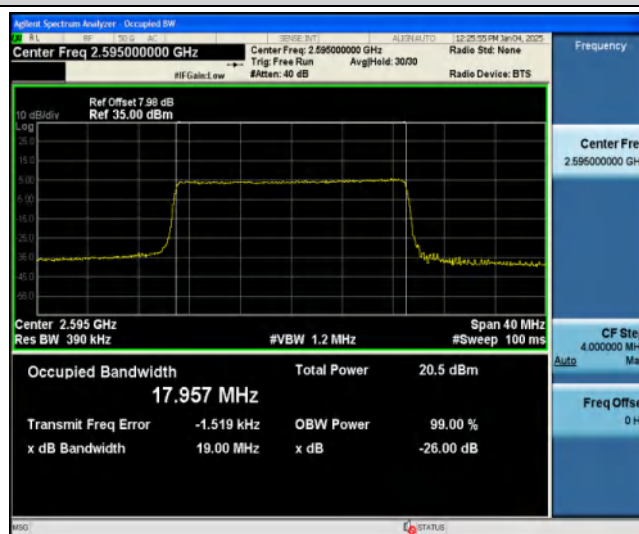
Band38-15MHz-16QAM-38175-75RB#0



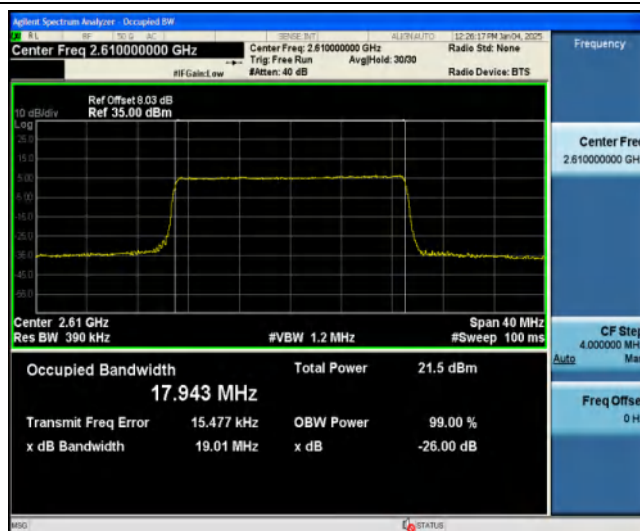
Band38-20MHz-QPSK-37850-100RB#0



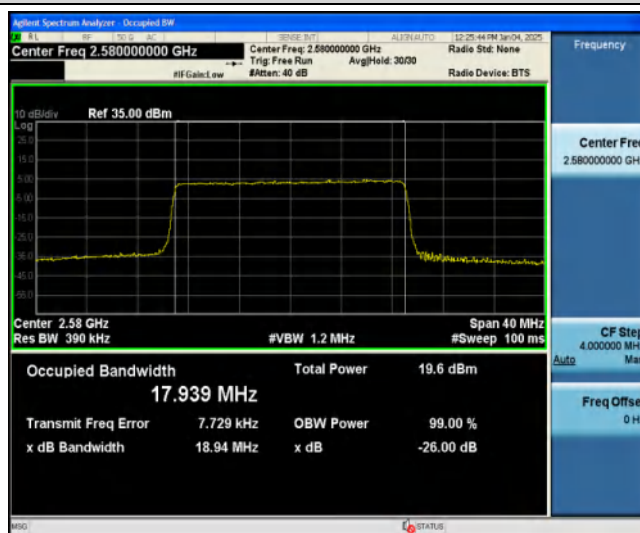
Band38-20MHz-QPSK-38000-100RB#0



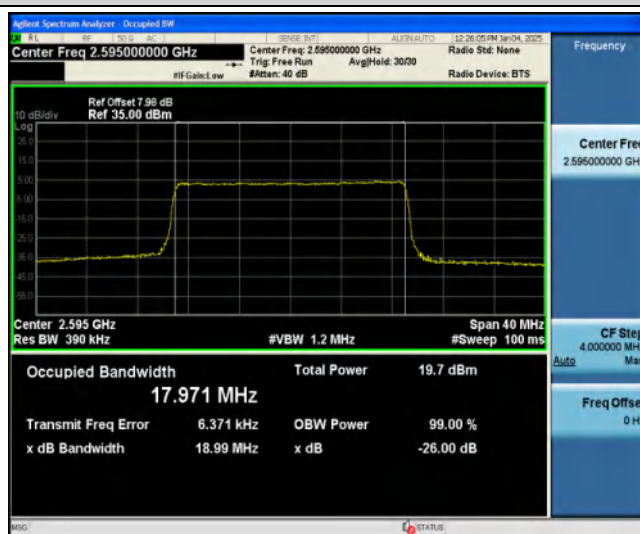
Band38-20MHz-QPSK-38150-100RB#0



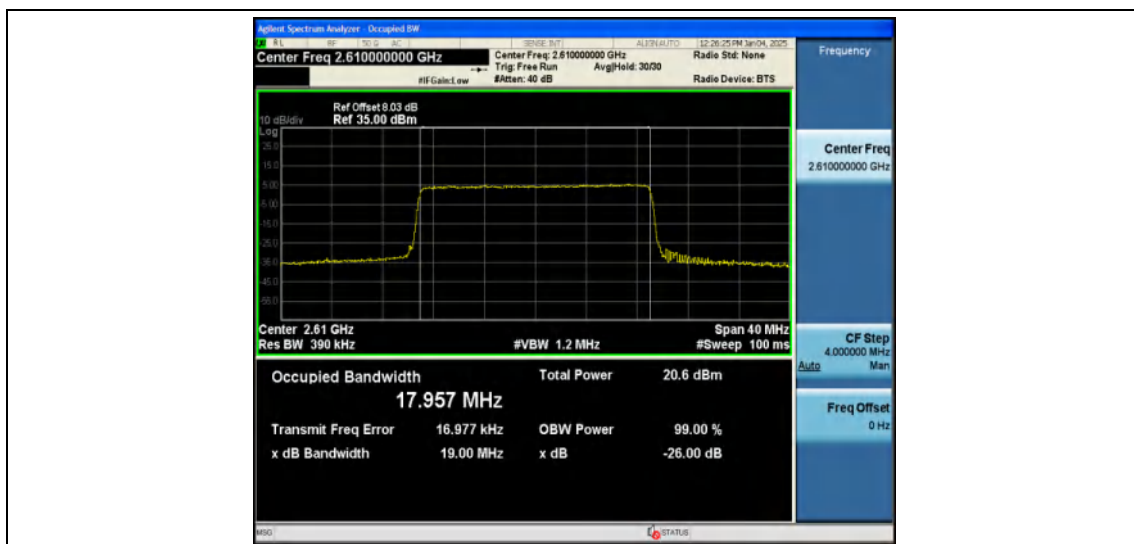
Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0



Appendix D: Band Edge

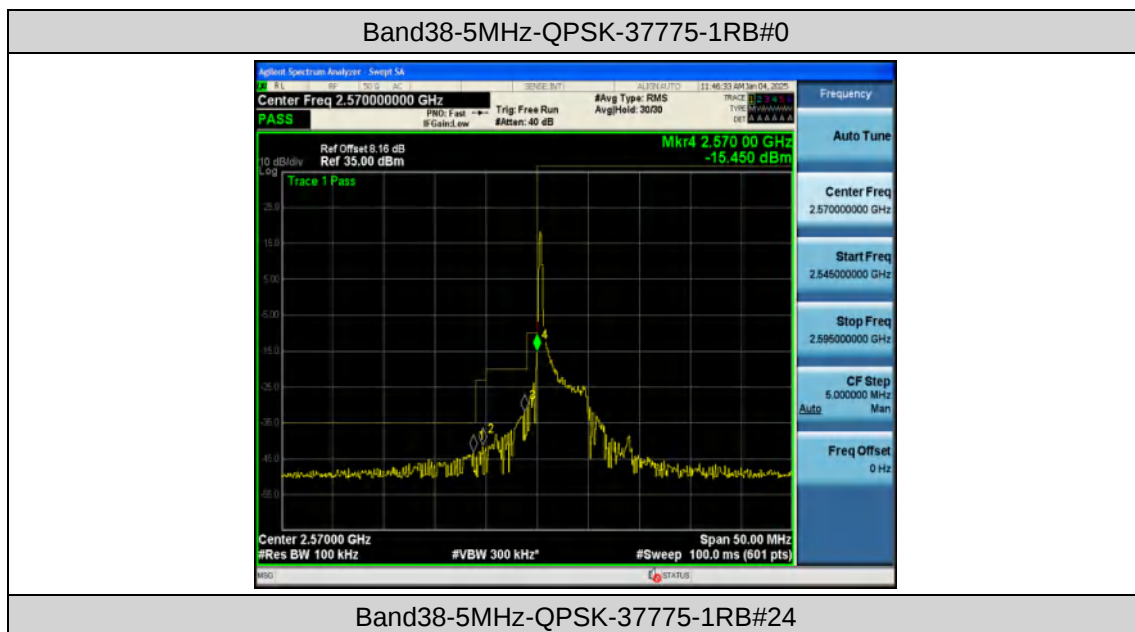
Test Result

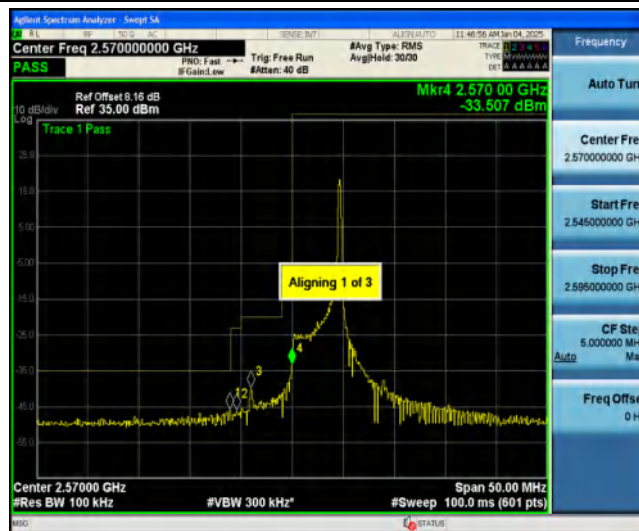
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band3 8	5MHz	QPSK	37775	1RB#0	-43.37,-41.63,-32.25,-15.4 5	PASS
Band3 8	5MHz	QPSK	37775	1RB#24	-46.05,-46.36,-40.06,-33.5 1	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	-42.77,-41.34,-30.53,-20.9 9	PASS
Band3 8	5MHz	QPSK	38225	1RB#0	-27.06,-32.87,-43.56,-44.3 7	PASS
Band3 8	5MHz	QPSK	38225	1RB#24	-13.40,-27.29,-39.95,-41.2 2	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	-24.42,-29.35,-37.94,-38.7 6	PASS
Band3 8	5MHz	16QAM	37775	1RB#0	-43.05,-41.71,-31.80,-14.5 6	PASS
Band3 8	5MHz	16QAM	37775	1RB#24	-46.38,-45.66,-39.19,-32.3 1	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	-41.56,-40.41,-31.88,-24.4 9	PASS
Band3 8	5MHz	16QAM	38225	1RB#0	-30.08,-35.33,-44.03,-44.9 6	PASS
Band3 8	5MHz	16QAM	38225	1RB#24	-14.20,-29.44,-39.83,-41.5 9	PASS
Band3 8	5MHz	16QAM	38225	25RB#0	-24.66,-30.99,-38.61,-40.0 4	PASS
Band3 8	10MHz	QPSK	37800	1RB#0	-42.00,-37.73,-28.50,-16.2 8	PASS
Band3 8	10MHz	QPSK	37800	1RB#49	-45.22,-40.92,-36.61,-31.3 7	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	-42.38,-36.42,-33.72,-28.9 1	PASS
Band3 8	10MHz	QPSK	38200	1RB#0	-33.58,-37.02,-35.37,-43.3 1	PASS
Band3 8	10MHz	QPSK	38200	1RB#49	-17.07,-26.10,-35.55,-39.9 6	PASS
Band3	10MHz	QPSK	38200	50RB#0	-27.26,-30.27,-35.17,-39.4	PASS

8					1	
Band3 8	10MHz	16QAM	37800	1RB#0	-43.86,-39.72,-29.31,-17.2 8	PASS
Band3 8	10MHz	16QAM	37800	1RB#49	-46.10,-44.58,-37.87,-33.6 4	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	-43.99,-37.24,-34.92,-27.0 6	PASS
Band3 8	10MHz	16QAM	38200	1RB#0	-34.25,-37.55,-36.37,-44.5 4	PASS
Band3 8	10MHz	16QAM	38200	1RB#49	-16.22,-28.13,-38.47,-42.1 8	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	-26.47,-30.94,-36.83,-40.1 4	PASS
Band3 8	15MHz	QPSK	37825	1RB#0	-42.15,-36.57,-27.55,-19.5 9	PASS
Band3 8	15MHz	QPSK	37825	1RB#74	-44.57,-38.97,-41.77,-37.9 3	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	-40.81,-32.01,-30.80,-29.1 0	PASS
Band3 8	15MHz	QPSK	38175	1RB#0	-36.12,-38.10,-35.90,-43.8 5	PASS
Band3 8	15MHz	QPSK	38175	1RB#74	-18.19,-26.65,-36.26,-41.2 5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	-27.77,-30.77,-32.01,-38.6 3	PASS
Band3 8	15MHz	16QAM	37825	1RB#0	-43.75,-38.71,-29.30,-18.9 1	PASS
Band3 8	15MHz	16QAM	37825	1RB#74	-45.06,-40.53,-39.90,-38.3 4	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	-41.91,-33.68,-32.83,-30.2 2	PASS
Band3 8	15MHz	16QAM	38175	1RB#0	-36.79,-40.05,-35.78,-43.1 1	PASS
Band3 8	15MHz	16QAM	38175	1RB#74	-16.87,-24.11,-33.31,-40.2 3	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	-29.55,-31.21,-34.71,-38.7 5	PASS
Band3 8	20MHz	QPSK	37850	1RB#0	-42.54,-35.99,-26.52,-18.6 6	PASS
Band3 8	20MHz	QPSK	37850	1RB#99	-43.89,-36.26,-37.84,-35.0 4	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	-42.35,-35.06,-33.47,-30.0 6	PASS

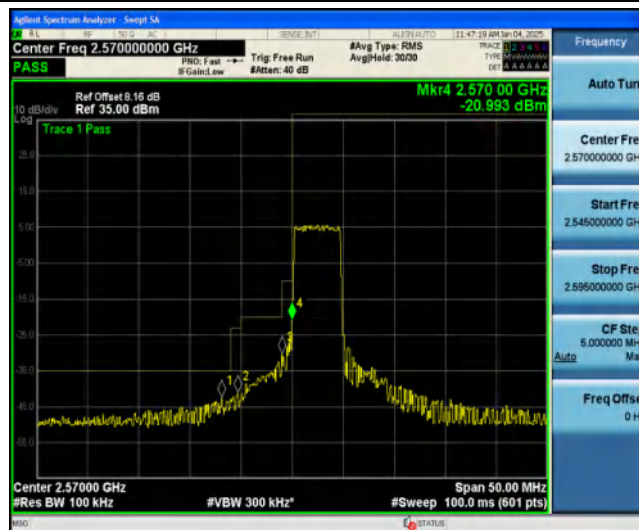
Band3 8	20MHz	QPSK	38150	1RB#0	-36.51,-40.16,-37.18,-43.9 0	PASS
Band3 8	20MHz	QPSK	38150	1RB#99	-19.20,-27.57,-36.36,-42.6 1	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	-30.22,-33.73,-36.48,-41.1 4	PASS
Band3 8	20MHz	16QAM	37850	1RB#0	-41.66,-34.23,-25.49,-18.0 7	PASS
Band3 8	20MHz	16QAM	37850	1RB#99	-43.50,-33.57,-38.70,-36.7 1	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	-41.98,-35.15,-33.81,-31.7 0	PASS
Band3 8	20MHz	16QAM	38150	1RB#0	-35.74,-38.02,-37.51,-43.7 5	PASS
Band3 8	20MHz	16QAM	38150	1RB#99	-17.85,-27.31,-34.71,-41.9 3	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	-31.35,-35.66,-36.84,-41.2 6	PASS

Test Graphs





Band38-5MHz-QPSK-37775-25RB#0



Band38-5MHz-QPSK-38225-1RB#0



Band38-5MHz-QPSK-38225-1RB#24



Band38-5MHz-QPSK-38225-25RB#0



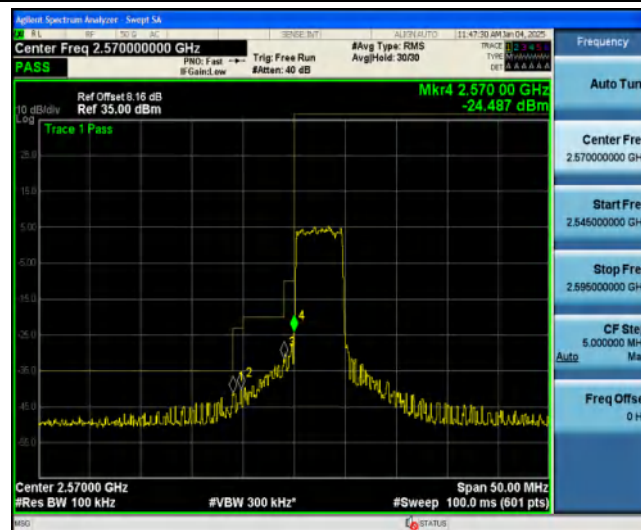
Band38-5MHz-16QAM-37775-1RB#0



Band38-5MHz-16QAM-37775-1RB#24



Band38-5MHz-16QAM-37775-25RB#0



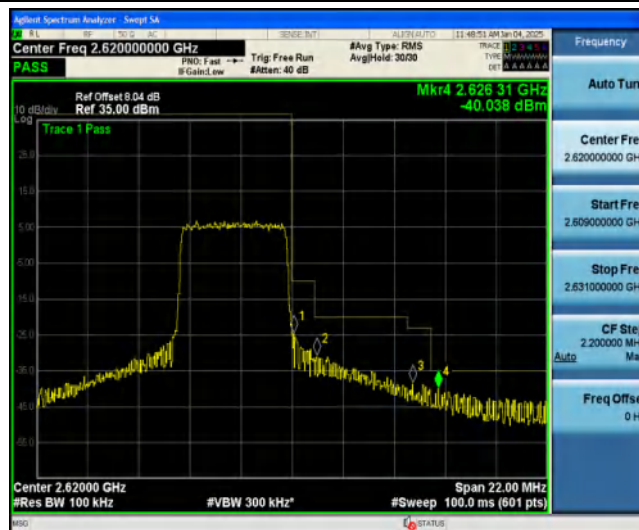
Band38-5MHz-16QAM-38225-1RB#0



Band38-5MHz-16QAM-38225-1RB#24



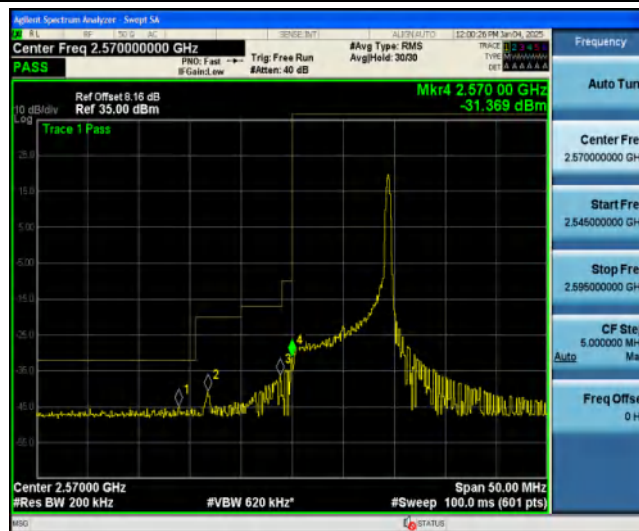
Band38-5MHz-16QAM-38225-25RB#0



Band38-10MHz-QPSK-37800-1RB#0



Band38-10MHz-QPSK-37800-1RB#49



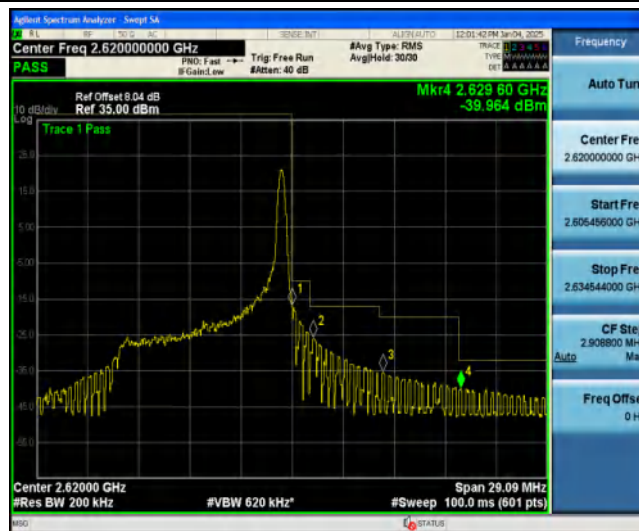
Band38-10MHz-QPSK-37800-50RB#0



Band38-10MHz-QPSK-38200-1RB#0



Band38-10MHz-QPSK-38200-1RB#49



Band38-10MHz-QPSK-38200-50RB#0



Band38-10MHz-16QAM-37800-1RB#0



Band38-10MHz-16QAM-37800-1RB#49



Band38-10MHz-16QAM-37800-50RB#0



Band38-10MHz-16QAM-38200-1RB#0



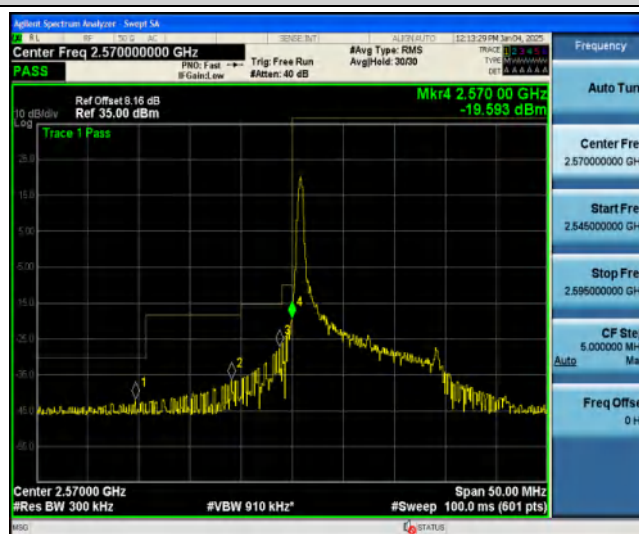
Band38-10MHz-16QAM-38200-1RB#49



Band38-10MHz-16QAM-38200-50RB#0



Band38-15MHz-QPSK-37825-1RB#0



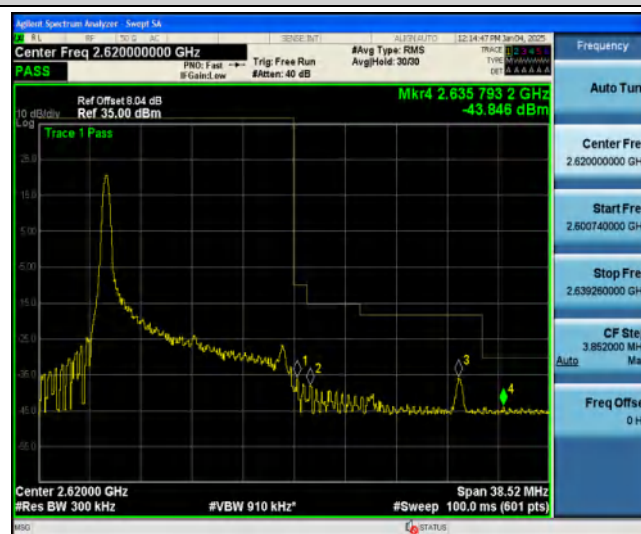
Band38-15MHz-QPSK-37825-1RB#74



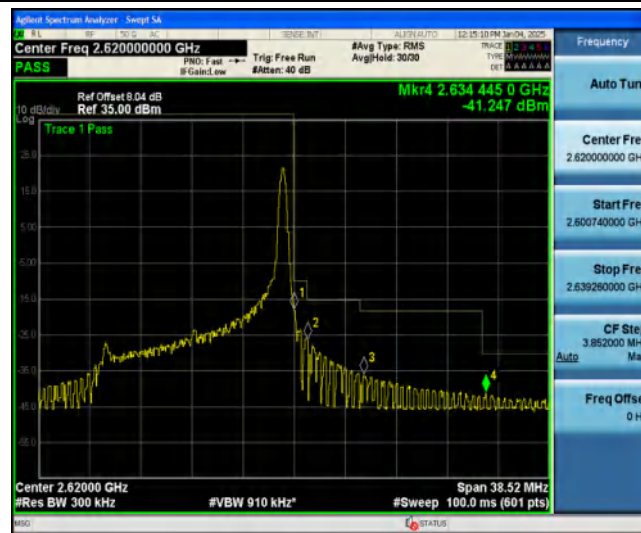
Band38-15MHz-QPSK-37825-75RB#0



Band38-15MHz-QPSK-38175-1RB#0



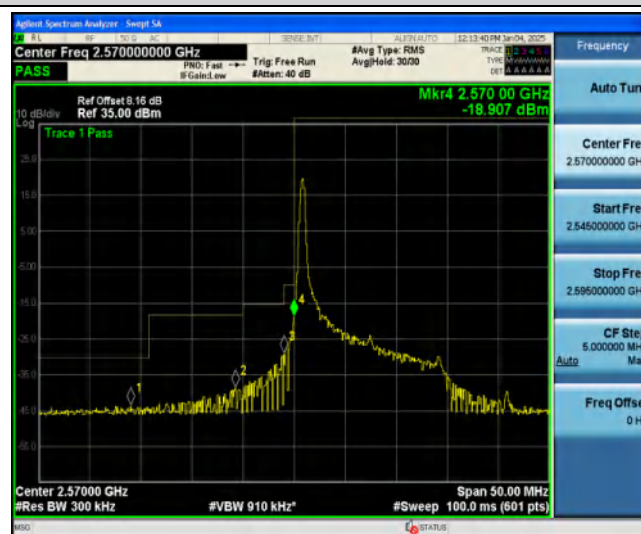
Band38-15MHz-QPSK-38175-1RB#74



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



Band38-15MHz-16QAM-37825-1RB#0



Band38-15MHz-16QAM-37825-1RB#74



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



Band38-15MHz-16QAM-38175-1RB#0



Band38-15MHz-16QAM-38175-1RB#74



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



Band38-20MHz-QPSK-37850-1RB#0



Band38-20MHz-QPSK-37850-1RB#99



Band38-20MHz-QPSK-37850-100RB#0



Band38-20MHz-QPSK-38150-1RB#0



Band38-20MHz-QPSK-38150-1RB#99



Band38-20MHz-QPSK-38150-100RB#0



Band38-20MHz-16QAM-37850-1RB#0



Band38-20MHz-16QAM-37850-1RB#99



Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38150-1RB#0



Band38-20MHz-16QAM-38150-1RB#99



Appendix E: Conducted Spurious Emission

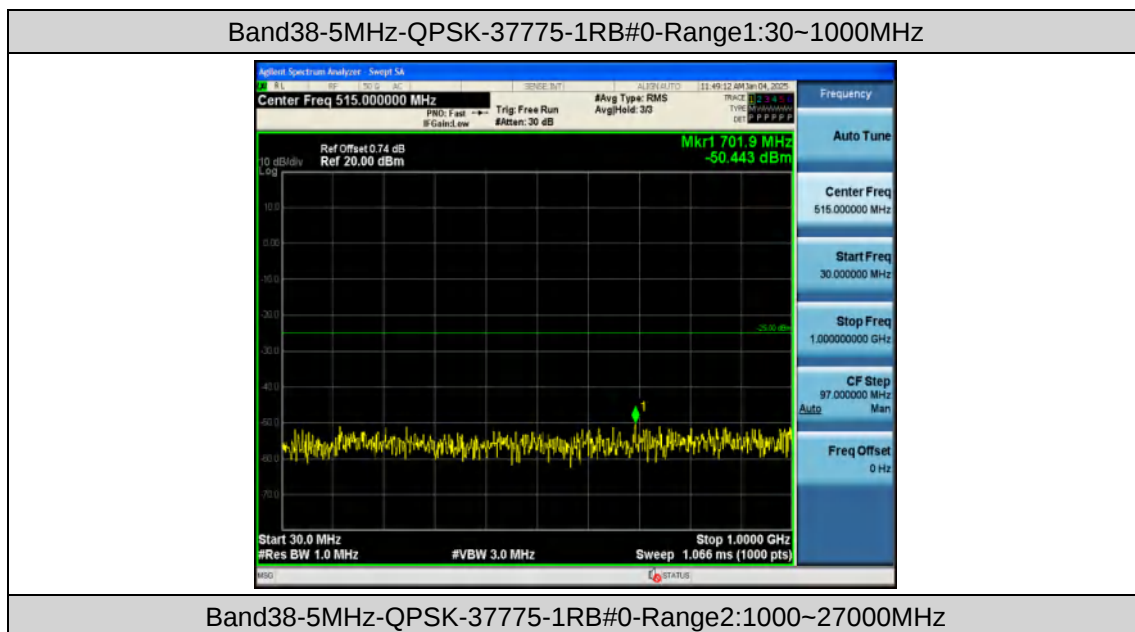
Test Result

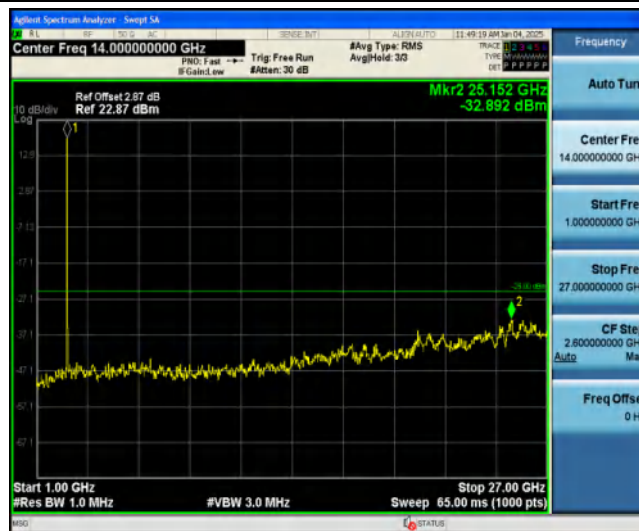
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band3 8	5MHz	QPSK	37775	1RB#0	Range1:30~1000MHz	-50.4 4	PAS S
Band3 8	5MHz	QPSK	37775	1RB#0	Range2:1000~27000M Hz	-32.8 9	PAS S
Band3 8	5MHz	QPSK	38000	1RB#0	Range1:30~1000MHz	-50.1 1	PAS S
Band3 8	5MHz	QPSK	38000	1RB#0	Range2:1000~27000M Hz	-33.2 4	PAS S
Band3 8	5MHz	QPSK	38225	1RB#0	Range1:30~1000MHz	-50.2 8	PAS S
Band3 8	5MHz	QPSK	38225	1RB#0	Range2:1000~27000M Hz	-32.2	PAS S
Band3 8	5MHz	16QAM	37775	1RB#0	Range1:30~1000MHz	-49.7 3	PAS S
Band3 8	5MHz	16QAM	37775	1RB#0	Range2:1000~27000M Hz	-32.3 6	PAS S
Band3 8	5MHz	16QAM	38000	1RB#0	Range1:30~1000MHz	-50.4 5	PAS S
Band3 8	5MHz	16QAM	38000	1RB#0	Range2:1000~27000M Hz	-32.1 2	PAS S
Band3 8	5MHz	16QAM	38225	1RB#0	Range1:30~1000MHz	-51.2 4	PAS S
Band3 8	5MHz	16QAM	38225	1RB#0	Range2:1000~27000M Hz	-33.3 3	PAS S
Band3 8	10MHz	QPSK	37800	1RB#0	Range1:30~1000MHz	-50.2 3	PAS S
Band3 8	10MHz	QPSK	37800	1RB#0	Range2:1000~27000M Hz	-30.8 2	PAS S
Band3 8	10MHz	QPSK	38000	1RB#0	Range1:30~1000MHz	-50.0 8	PAS S
Band3 8	10MHz	QPSK	38000	1RB#0	Range2:1000~27000M Hz	-31.6 9	PAS S
Band3 8	10MHz	QPSK	38200	1RB#0	Range1:30~1000MHz	-48.4	PAS S
Band3	10MHz	QPSK	38200	1RB#0	Range2:1000~27000M	-32.2	PAS

8					Hz	7	S
Band3 8	10MHz	16QAM	37800	1RB#0	Range1:30~1000MHz	-50.1 7	PAS S
Band3 8	10MHz	16QAM	37800	1RB#0	Range2:1000~27000M Hz	-32.7 5	PAS S
Band3 8	10MHz	16QAM	38000	1RB#0	Range1:30~1000MHz	-49.3 6	PAS S
Band3 8	10MHz	16QAM	38000	1RB#0	Range2:1000~27000M Hz	-31.3 2	PAS S
Band3 8	10MHz	16QAM	38200	1RB#0	Range1:30~1000MHz	-50.5 2	PAS S
Band3 8	10MHz	16QAM	38200	1RB#0	Range2:1000~27000M Hz	-32.6 4	PAS S
Band3 8	15MHz	QPSK	37825	1RB#0	Range1:30~1000MHz	-49.0 2	PAS S
Band3 8	15MHz	QPSK	37825	1RB#0	Range2:1000~27000M Hz	-32.4 6	PAS S
Band3 8	15MHz	QPSK	38000	1RB#0	Range1:30~1000MHz	-51.0 2	PAS S
Band3 8	15MHz	QPSK	38000	1RB#0	Range2:1000~27000M Hz	-32.0 1	PAS S
Band3 8	15MHz	QPSK	38175	1RB#0	Range1:30~1000MHz	-49.2 5	PAS S
Band3 8	15MHz	QPSK	38175	1RB#0	Range2:1000~27000M Hz	-32.4 8	PAS S
Band3 8	15MHz	16QAM	37825	1RB#0	Range1:30~1000MHz	-49.6 2	PAS S
Band3 8	15MHz	16QAM	37825	1RB#0	Range2:1000~27000M Hz	-32.2	PAS S
Band3 8	15MHz	16QAM	38000	1RB#0	Range1:30~1000MHz	-50.0 4	PAS S
Band3 8	15MHz	16QAM	38000	1RB#0	Range2:1000~27000M Hz	-31.7	PAS S
Band3 8	15MHz	16QAM	38175	1RB#0	Range1:30~1000MHz	-51.1 9	PAS S
Band3 8	15MHz	16QAM	38175	1RB#0	Range2:1000~27000M Hz	-31.8 9	PAS S
Band3 8	20MHz	QPSK	37850	1RB#0	Range1:30~1000MHz	-49.5 6	PAS S
Band3 8	20MHz	QPSK	37850	1RB#0	Range2:1000~27000M Hz	-33.1 6	PAS S
Band3 8	20MHz	QPSK	38000	1RB#0	Range1:30~1000MHz	-49.4 3	PAS S

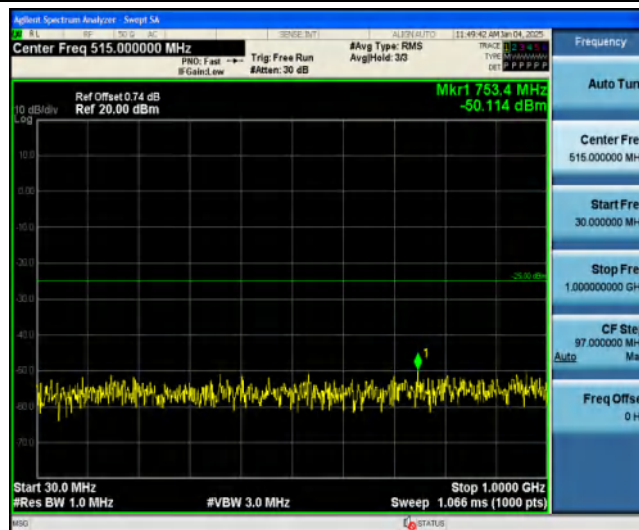
Band3 8	20MHz	QPSK	38000	1RB#0	Range2:1000~27000M Hz	-31.1	PAS S
Band3 8	20MHz	QPSK	38150	1RB#0	Range1:30~1000MHz	-48.7 5	PAS S
Band3 8	20MHz	QPSK	38150	1RB#0	Range2:1000~27000M Hz	-32.5 9	PAS S
Band3 8	20MHz	16QAM	37850	1RB#0	Range1:30~1000MHz	-49.3 5	PAS S
Band3 8	20MHz	16QAM	37850	1RB#0	Range2:1000~27000M Hz	-32.6 3	PAS S
Band3 8	20MHz	16QAM	38000	1RB#0	Range1:30~1000MHz	-50.6 7	PAS S
Band3 8	20MHz	16QAM	38000	1RB#0	Range2:1000~27000M Hz	-32.7 2	PAS S
Band3 8	20MHz	16QAM	38150	1RB#0	Range1:30~1000MHz	-50.3 3	PAS S
Band3 8	20MHz	16QAM	38150	1RB#0	Range2:1000~27000M Hz	-32.8 1	PAS S

Test Graphs





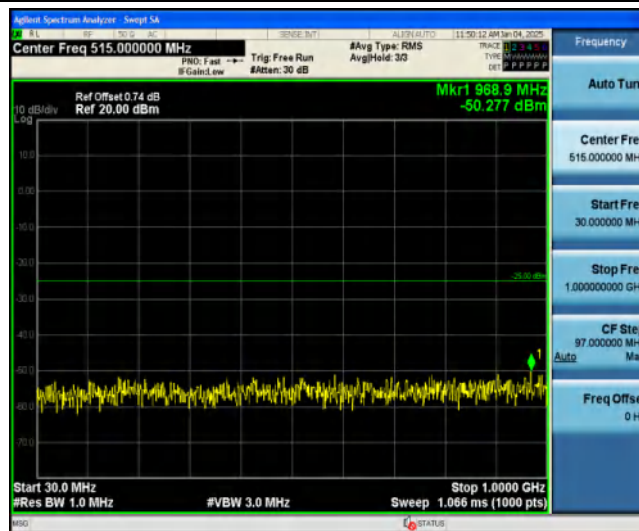
Band38-5MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



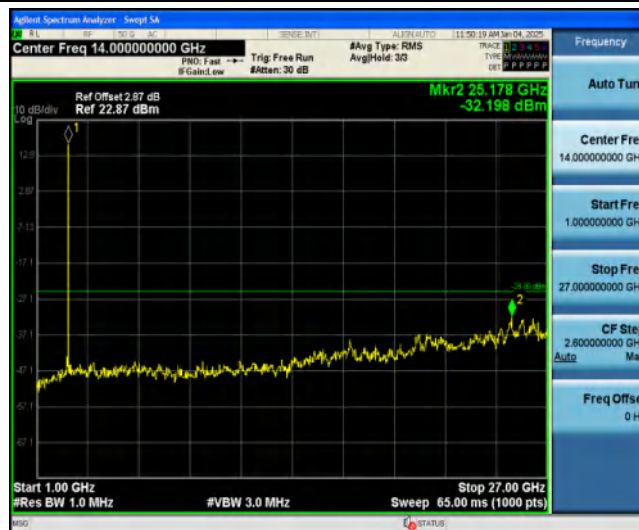
Band38-5MHz-QPSK-38000-1RB#0-Range2:1000~27000MHz



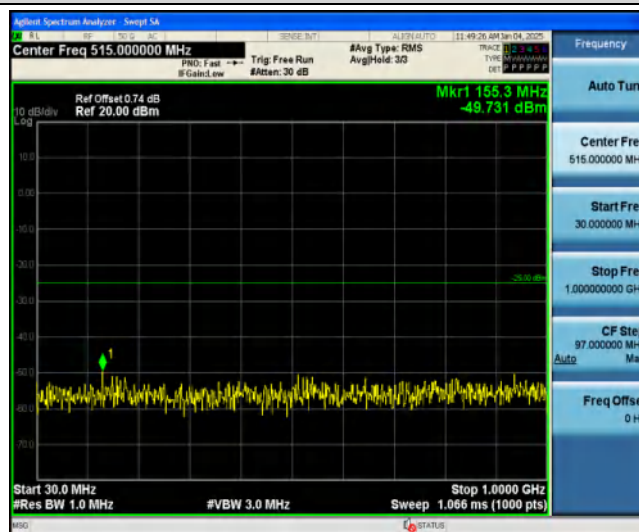
Band38-5MHz-QPSK-38225-1RB#0-Range1:30~1000MHz



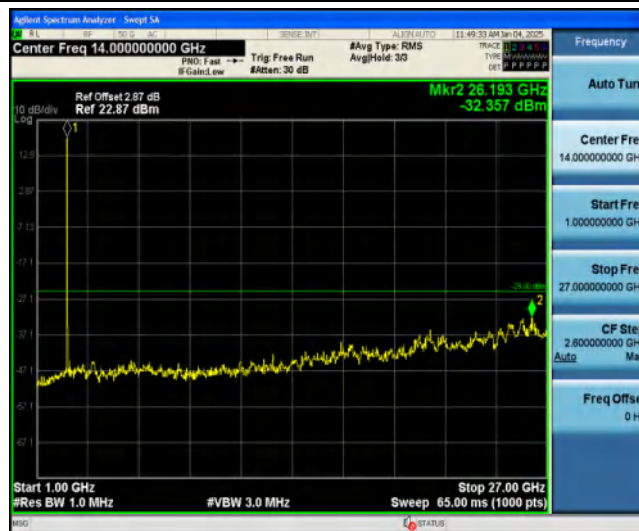
Band38-5MHz-QPSK-38225-1RB#0-Range2:1000~27000MHz



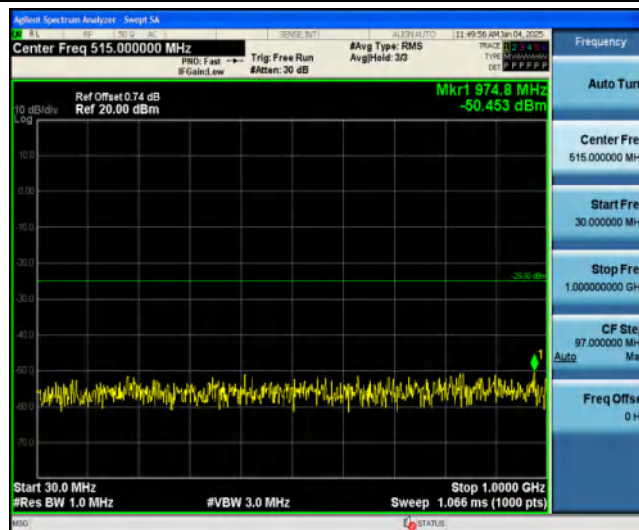
Band38-5MHz-16QAM-37775-1RB#0-Range1:30~1000MHz



Band38-5MHz-16QAM-37775-1RB#0-Range2:1000~27000MHz



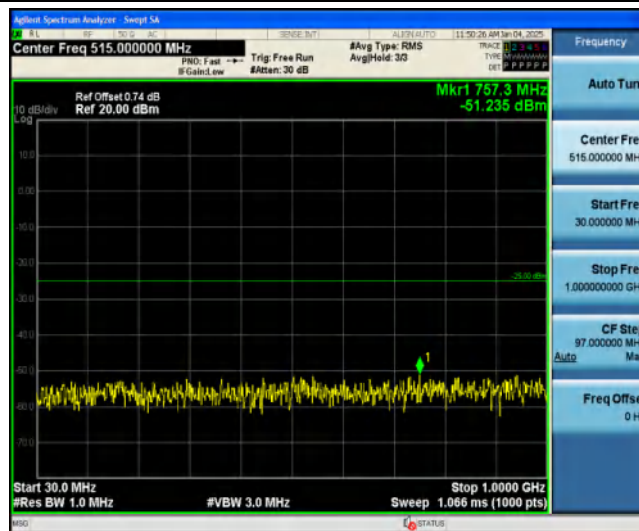
Band38-5MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



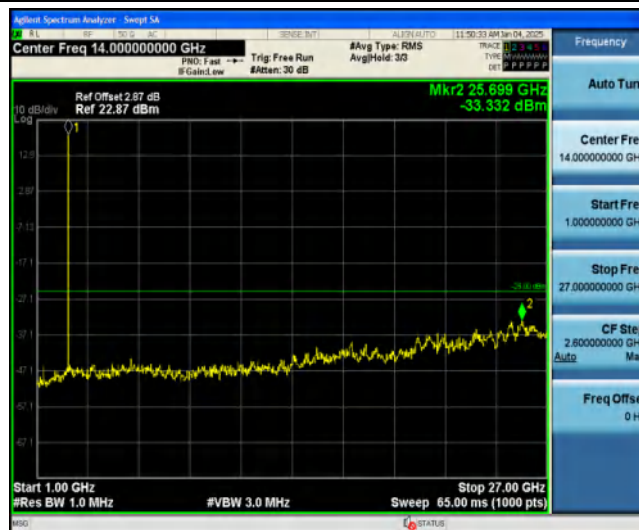
Band38-5MHz-16QAM-38000-1RB#0-Range2:1000~27000MHz



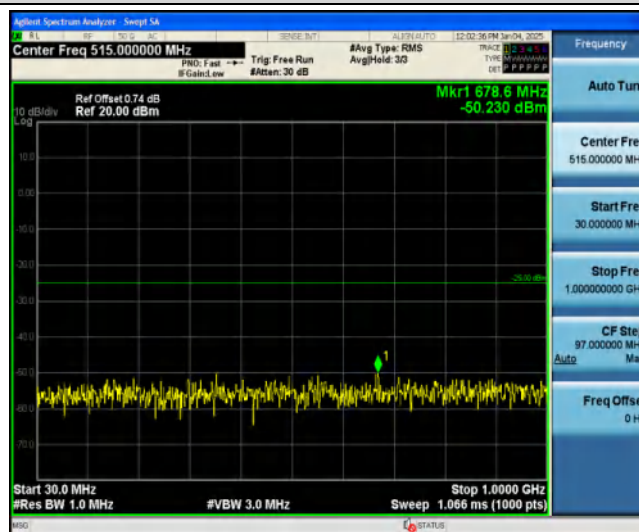
Band38-5MHz-16QAM-38225-1RB#0-Range1:30~1000MHz



Band38-5MHz-16QAM-38225-1RB#0-Range2:1000~27000MHz



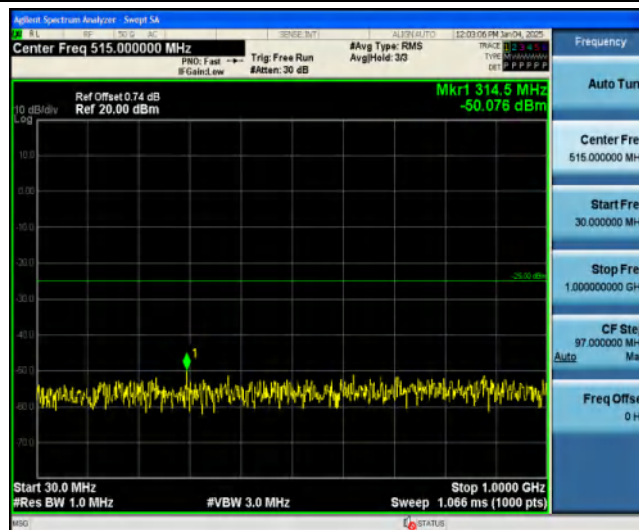
Band38-10MHz-QPSK-37800-1RB#0-Range1:30~1000MHz



Band38-10MHz-QPSK-37800-1RB#0-Range2:1000~27000MHz



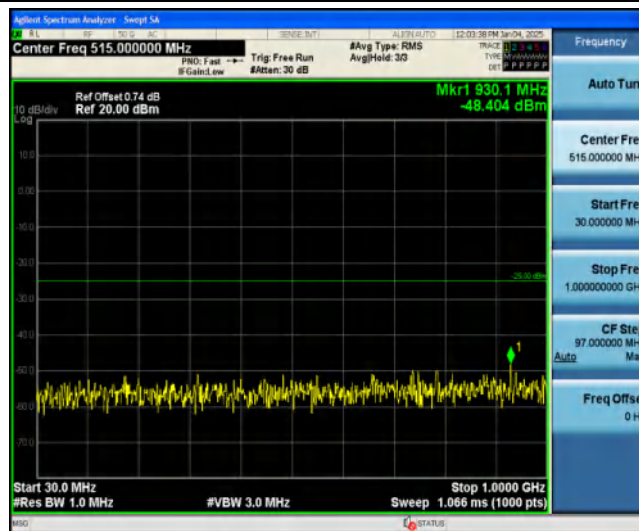
Band38-10MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



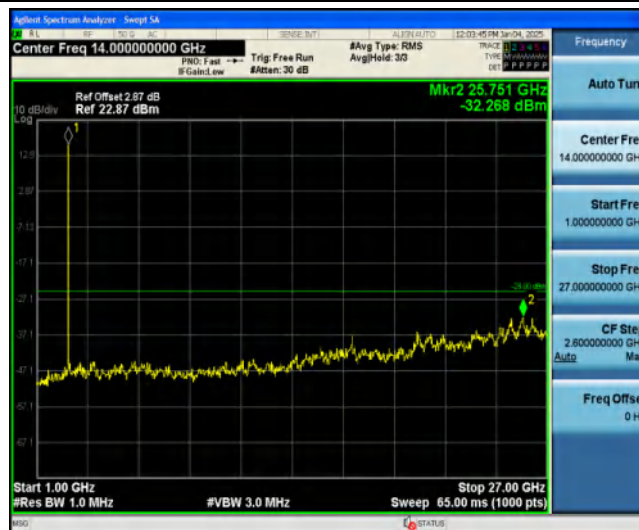
Band38-10MHz-QPSK-38000-1RB#0-Range2:1000~27000MHz



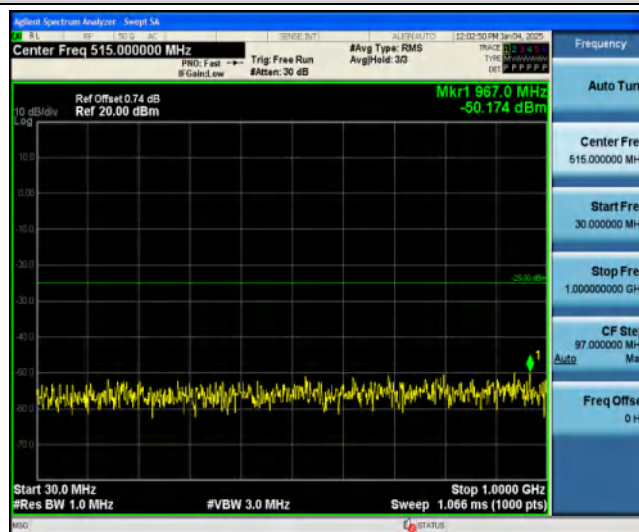
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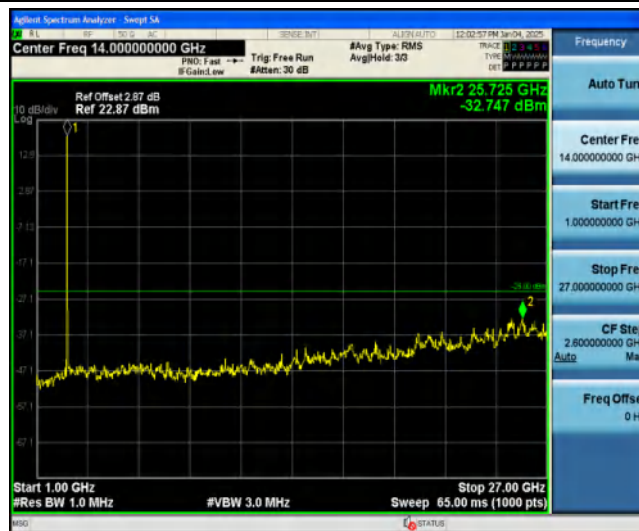
Band38-10MHz-QPSK-38200-1RB#0-Range2:1000~27000MHz



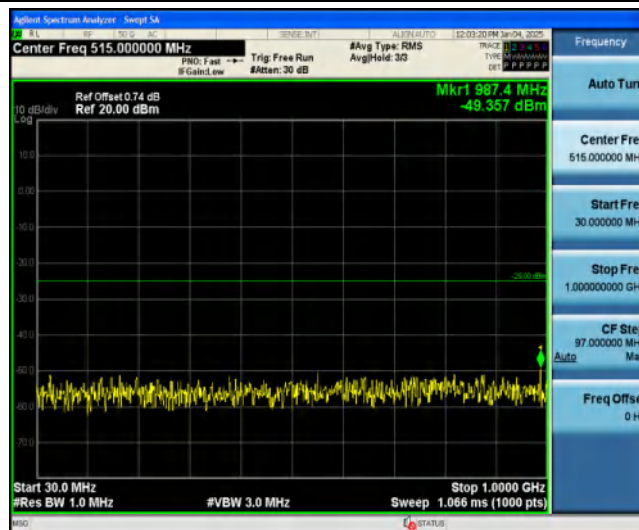
Band38-10MHz-16QAM-37800-1RB#0-Range1:30~1000MHz



Band38-10MHz-16QAM-37800-1RB#0-Range2:1000~27000MHz



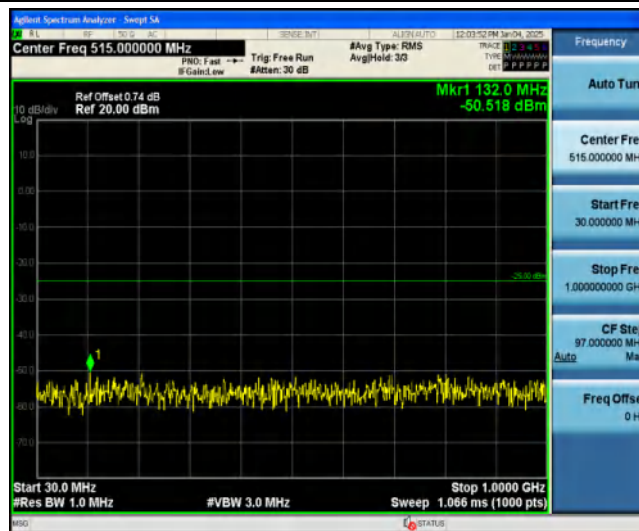
Band38-10MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



Band38-10MHz-16QAM-38000-1RB#0-Range2:1000~27000MHz



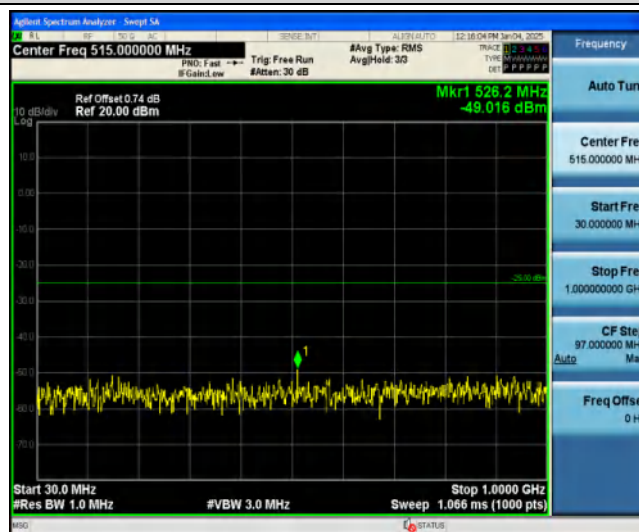
Band38-10MHz-16QAM-38200-1RB#0-Range1:30~1000MHz



Band38-10MHz-16QAM-38200-1RB#0-Range2:1000~27000MHz



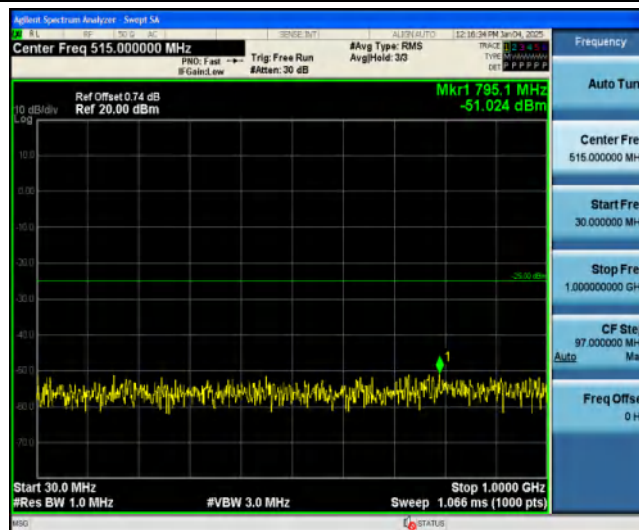
Band38-15MHz-QPSK-37825-1RB#0-Range1:30~1000MHz



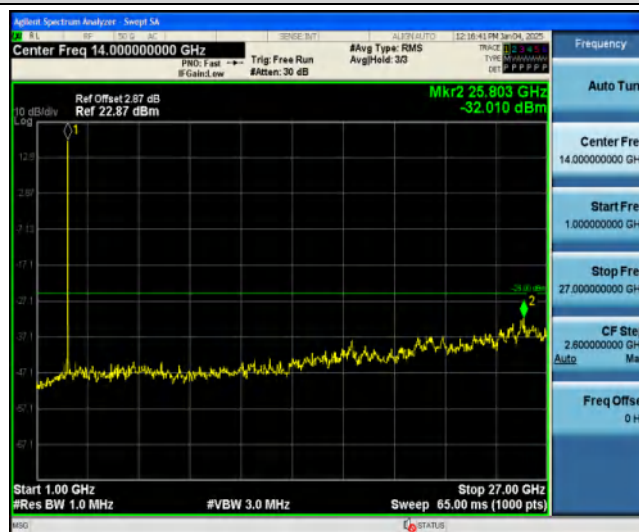
Band38-15MHz-QPSK-37825-1RB#0-Range2:1000~27000MHz



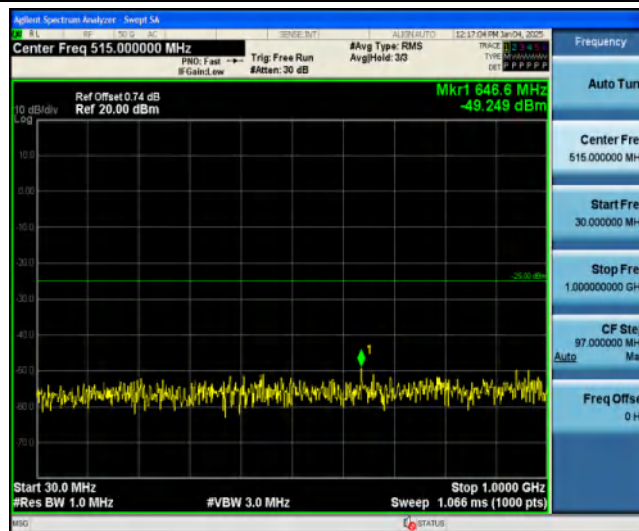
Band38-15MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



Band38-15MHz-QPSK-38000-1RB#0-Range2:1000~27000MHz



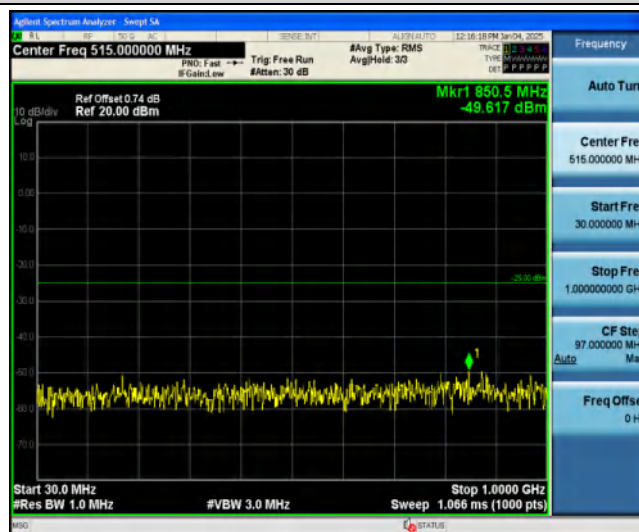
Band38-15MHz-QPSK-38175-1RB#0-Range1:30~1000MHz



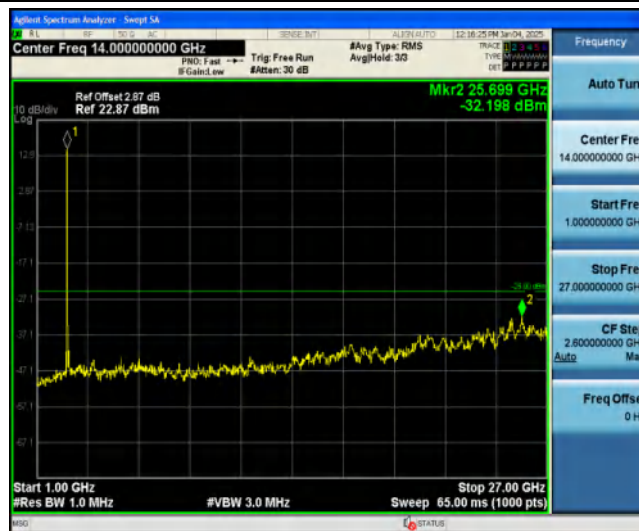
Band38-15MHz-QPSK-38175-1RB#0-Range2:1000~27000MHz



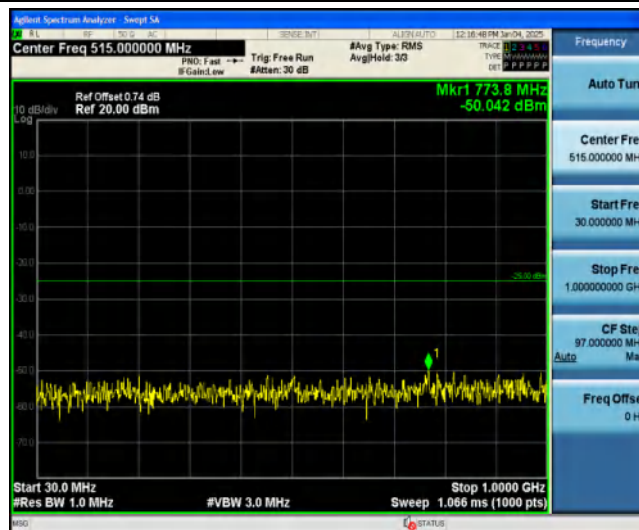
Band38-15MHz-16QAM-37825-1RB#0-Range1:30~1000MHz



Band38-15MHz-16QAM-37825-1RB#0-Range2:1000~27000MHz



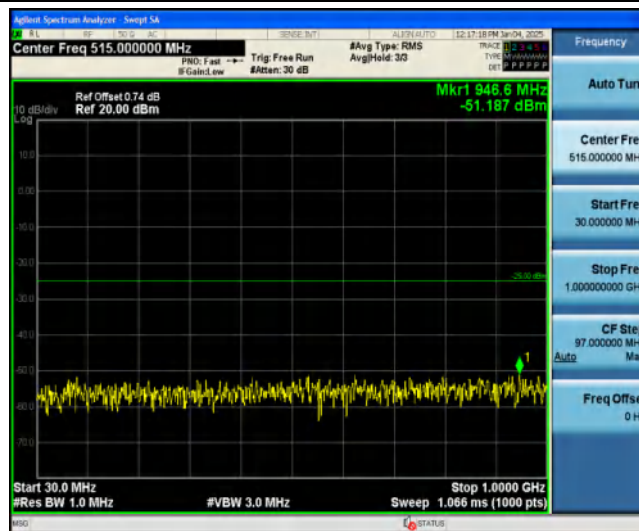
Band38-15MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



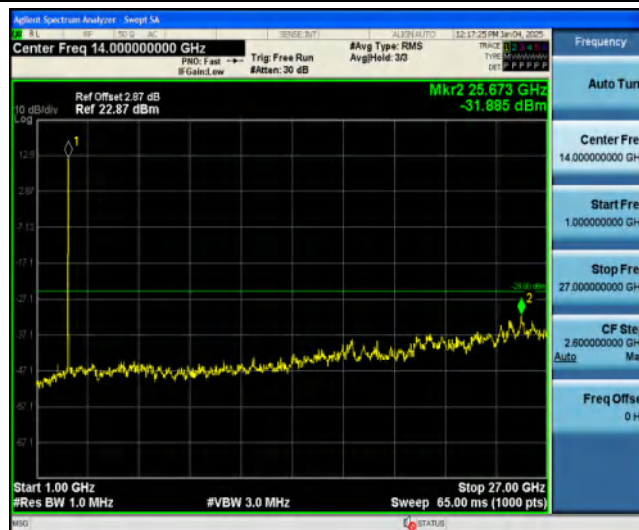
Band38-15MHz-16QAM-38000-1RB#0-Range2:1000~27000MHz



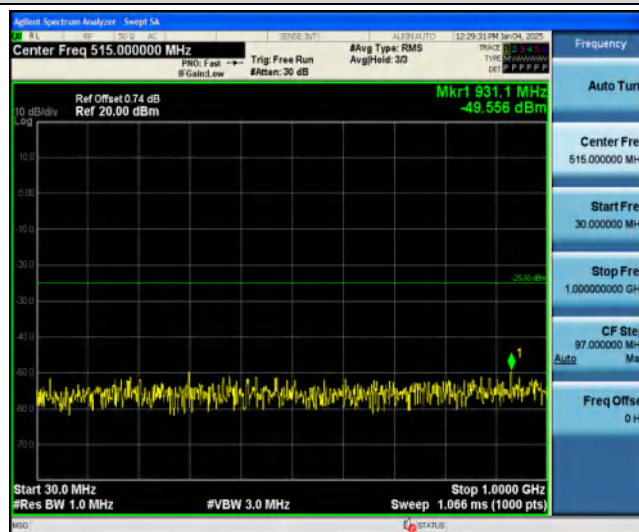
Band38-15MHz-16QAM-38175-1RB#0-Range1:30~1000MHz



Band38-15MHz-16QAM-38175-1RB#0-Range2:1000~27000MHz



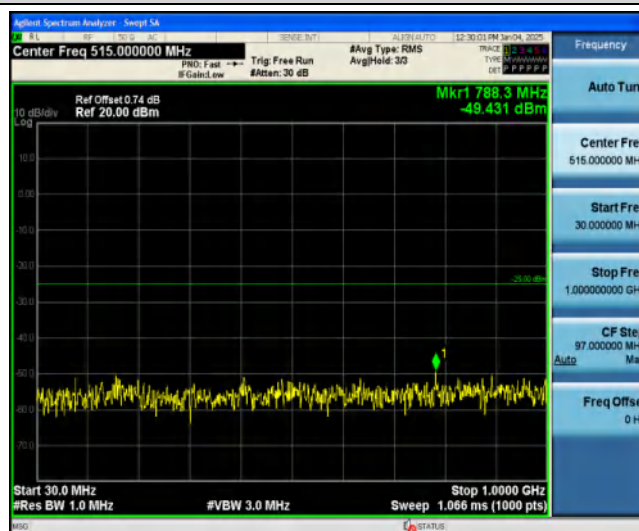
Band38-20MHz-QPSK-37850-1RB#0-Range1:30~1000MHz



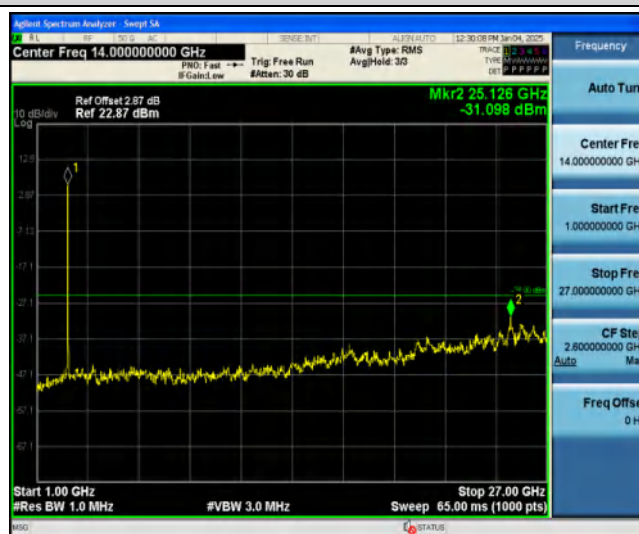
Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~27000MHz



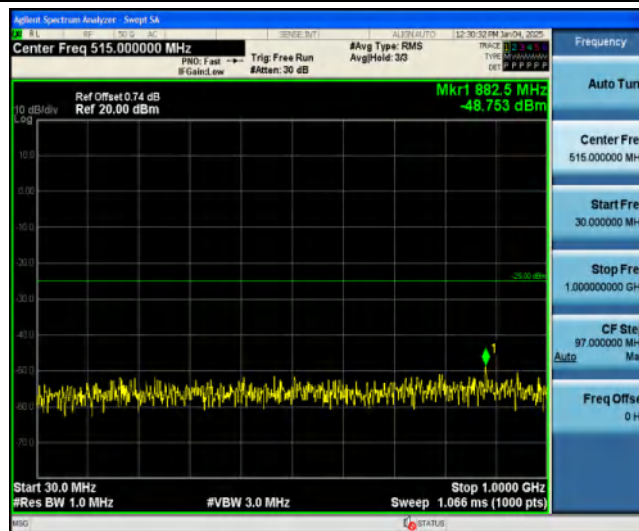
Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz



Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~27000MHz



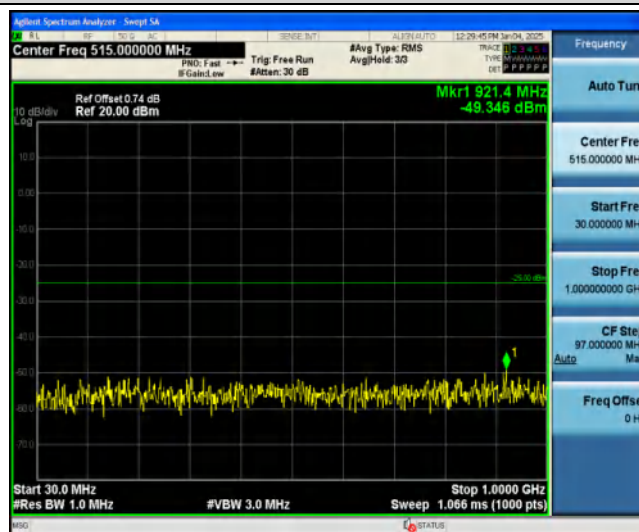
Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz



Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~27000MHz



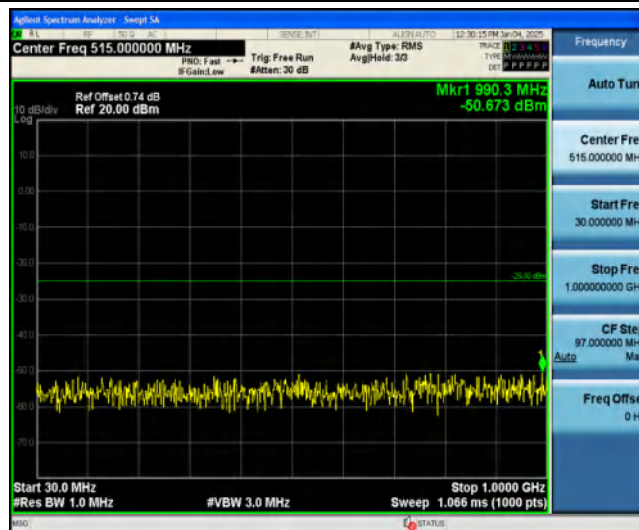
Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz



Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~27000MHz



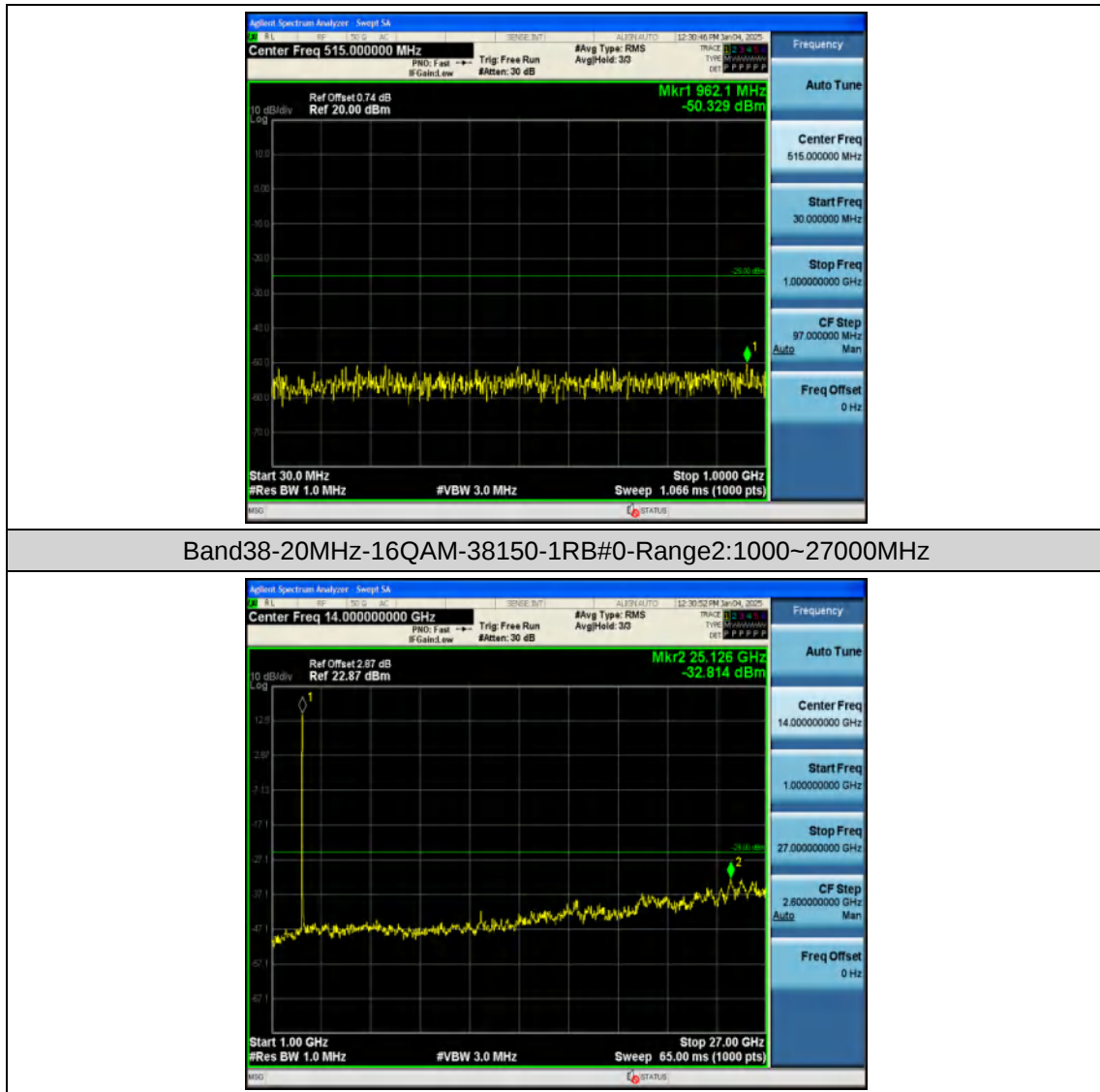
Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz



Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~27000MHz



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



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band38	5MHz	QPSK	37775	25RB#0	VL	NT	35.59	0.013835	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VN	NT	37.80	0.014694	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	VH	NT	37.31	0.014503	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VL	NT	17.64	0.006798	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VN	NT	11.91	0.004590	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	VH	NT	7.36	0.002836	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VL	NT	17.14	0.006548	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VN	NT	15.73	0.006010	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	VH	NT	8.36	0.003194	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VL	NT	28.23	0.010974	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VN	NT	33.53	0.013034	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	VH	NT	29.39	0.011425	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VL	NT	-31.65	-0.012197	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VN	NT	-33.98	-0.013094	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	VH	NT	-36.09	-0.013908	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VL	NT	-38.34	-0.014648	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VN	NT	-35.14	-0.013425	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	VH	NT	-34.55	-0.013200	±2.5	PASS

8										
Band3 8	10MHz	QPSK	37800	50RB#0	VL	NT	52.97	0.020571	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	VN	NT	50.02	0.019425	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	VH	NT	55.14	0.021414	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	VL	NT	24.87	0.009584	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	VN	NT	21.36	0.008231	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	VH	NT	24.14	0.009303	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	VL	NT	37.45	0.014321	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	VN	NT	29.80	0.011396	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	VH	NT	25.25	0.009656	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	VL	NT	48.15	0.018699	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	VN	NT	45.48	0.017662	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	VH	NT	44.95	0.017456	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	VL	NT	11.74	0.004524	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	VN	NT	9.59	0.003696	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	VH	NT	9.58	0.003692	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	VL	NT	-7.82	-0.002990	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	VN	NT	-3.63	-0.001388	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	VH	NT	5.93	0.002268	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	VL	NT	19.37	0.007515	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	VN	NT	23.44	0.009094	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	VH	NT	13.74	0.005331	±2.5	PASS

Band3 8	15MHz	QPSK	38000	75RB#0	VL	NT	17.16	0.006613	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	VN	NT	21.23	0.008181	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	VH	NT	17.14	0.006605	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	VL	NT	11.42	0.004371	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	VN	NT	13.54	0.005183	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	VH	NT	9.84	0.003767	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	VL	NT	17.97	0.006972	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	VN	NT	17.24	0.006689	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	VH	NT	16.40	0.006363	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	VL	NT	13.01	0.005013	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	VN	NT	10.98	0.004231	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	VH	NT	10.03	0.003865	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	VL	NT	-6.87	-0.002630	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	VN	NT	-6.78	-0.002595	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	VH	NT	-5.51	-0.002109	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	VL	NT	-7.40	-0.002868	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	VN	NT	54.22	0.021016	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	VH	NT	-9.68	-0.003752	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	VL	NT	12.79	0.004929	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	VN	NT	15.53	0.005985	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	VH	NT	11.58	0.004462	±2.5	PASS
Band3	20MHz	QPSK	38150	100RB#0	VL	NT	22.00	0.008429	±2.5	PASS

8										
Band3 8	20MHz	QPSK	38150	100RB#0	VN	NT	24.17	0.009261	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	VH	NT	17.80	0.006820	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	VL	NT	-8.86	-0.003434	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	VN	NT	-12.12	-0.004698	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	VH	NT	-11.88	-0.004605	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	VL	NT	11.11	0.004281	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	VN	NT	10.25	0.003950	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	VH	NT	11.38	0.004385	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	VL	NT	13.48	0.005165	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	VN	NT	9.98	0.003824	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	VH	NT	14.27	0.005467	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band3 8	5MHz	QPSK	37775	25RB#0	NV	-30	33.50	0.013022	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	-20	30.45	0.011837	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	0	35.61	0.013843	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	10	33.28	0.012937	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	20	31.34	0.012183	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	-30	-4.83	-0.001861	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	-20	-5.66	-0.002181	±2.5	PASS
Band3	5MHz	QPSK	38000	25RB#0	NV	0	-13.92	-0.005364	±2.5	PASS

8										
Band3 8	5MHz	QPSK	38000	25RB#0	NV	10	-19.63	-0.007565	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	20	-21.22	-0.008177	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	-30	-10.75	-0.004107	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	-20	-14.11	-0.005391	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	0	-17.96	-0.006862	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	10	-25.71	-0.009822	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	20	-28.15	-0.010755	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	-30	32.73	0.012723	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	-20	27.59	0.010725	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	0	32.20	0.012517	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	10	30.42	0.011825	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	20	29.23	0.011362	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	NV	-30	-33.18	-0.012786	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	NV	-20	-38.50	-0.014836	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	NV	0	-34.74	-0.013387	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	NV	10	-38.29	-0.014755	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	NV	20	-37.00	-0.014258	±2.5	PASS
Band3 8	5MHz	16QAM	38225	25RB#0	NV	-30	-35.05	-0.013391	±2.5	PASS
Band3 8	5MHz	16QAM	38225	25RB#0	NV	-20	-38.54	-0.014724	±2.5	PASS
Band3 8	5MHz	16QAM	38225	25RB#0	NV	0	-40.52	-0.015480	±2.5	PASS
Band3 8	5MHz	16QAM	38225	25RB#0	NV	10	-40.46	-0.015457	±2.5	PASS

Band3 8	5MHz	16QAM	38225	25RB#0	NV	20	-41.78	-0.015962	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	NV	-30	50.08	0.019449	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	NV	-20	44.84	0.017414	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	NV	0	46.08	0.017895	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	NV	10	48.22	0.018726	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	NV	20	48.69	0.018909	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	NV	-30	20.88	0.008046	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	NV	-20	16.66	0.006420	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	NV	0	16.98	0.006543	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	NV	10	13.16	0.005071	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	NV	20	13.51	0.005206	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	NV	-30	23.93	0.009151	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	NV	-20	18.13	0.006933	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	NV	0	15.34	0.005866	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	NV	10	10.88	0.004161	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	NV	20	6.74	0.002577	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	NV	-30	50.02	0.019425	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	NV	-20	49.18	0.019099	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	NV	0	-7.74	-0.003006	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	NV	10	-6.74	-0.002617	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	NV	20	-6.22	-0.002416	±2.5	PASS
Band3	10MHz	16QAM	38000	50RB#0	NV	-30	11.91	0.004590	±2.5	PASS

8										
Band3 8	10MHz	16QAM	38000	50RB#0	NV	-20	13.44	0.005179	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	NV	0	15.40	0.005934	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	NV	10	8.00	0.003083	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	NV	20	13.34	0.005141	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	NV	-30	-8.64	-0.003304	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	NV	-20	-6.52	-0.002493	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	NV	0	-9.36	-0.003579	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	NV	10	-6.50	-0.002486	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	NV	20	-9.26	-0.003541	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	NV	-30	15.47	0.006002	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	NV	-20	14.70	0.005703	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	NV	0	19.45	0.007546	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	NV	10	19.31	0.007492	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	NV	20	17.24	0.006689	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	NV	-30	11.24	0.004331	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	NV	-20	11.72	0.004516	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	NV	0	11.74	0.004524	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	NV	10	11.64	0.004486	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	NV	20	10.89	0.004197	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	NV	-30	10.79	0.004130	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	NV	-20	3.34	0.001278	±2.5	PASS

Band3 8	15MHz	QPSK	38175	75RB#0	NV	0	6.25	0.002392	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	NV	10	-7.24	-0.002771	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	NV	20	-8.12	-0.003108	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	NV	-30	15.96	0.006192	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	NV	-20	19.72	0.007651	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	NV	0	17.88	0.006937	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	NV	10	22.99	0.008919	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	NV	20	22.15	0.008594	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	NV	-30	10.02	0.003861	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	NV	-20	12.62	0.004863	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	NV	0	8.81	0.003395	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	NV	10	12.05	0.004644	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	NV	20	14.42	0.005557	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	NV	-30	-7.68	-0.002940	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	NV	-20	-5.87	-0.002247	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	NV	0	-5.43	-0.002078	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	NV	10	5.42	0.002075	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	NV	20	6.85	0.002622	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	NV	-30	-7.09	-0.002748	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	NV	-20	-8.62	-0.003341	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	NV	0	-3.58	-0.001388	±2.5	PASS
Band3	20MHz	QPSK	37850	100RB#0	NV	10	-6.66	-0.002581	±2.5	PASS

8										
Band3 8	20MHz	QPSK	37850	100RB#0	NV	20	-7.53	-0.002919	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	NV	-30	12.92	0.004979	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	NV	-20	9.66	0.003723	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	NV	0	11.63	0.004482	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	NV	10	7.95	0.003064	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	NV	20	8.38	0.003229	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	NV	-30	15.20	0.005824	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	NV	-20	10.18	0.003900	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	NV	0	12.32	0.004720	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	NV	10	11.36	0.004352	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	NV	20	11.73	0.004494	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	NV	-30	-12.04	-0.004667	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	NV	-20	-11.52	-0.004465	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	NV	0	-11.54	-0.004473	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	NV	10	-14.75	-0.005717	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	NV	20	-9.34	-0.003620	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	NV	-30	8.21	0.003164	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	NV	-20	13.94	0.005372	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	NV	0	12.95	0.004990	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	NV	10	15.37	0.005923	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	NV	20	12.14	0.004678	±2.5	PASS

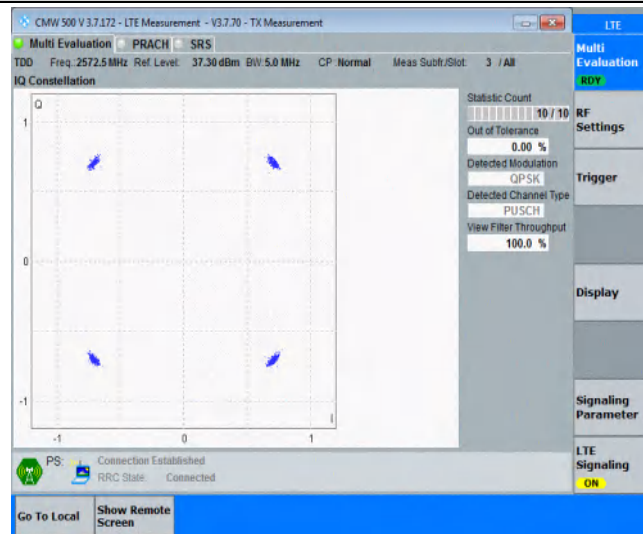
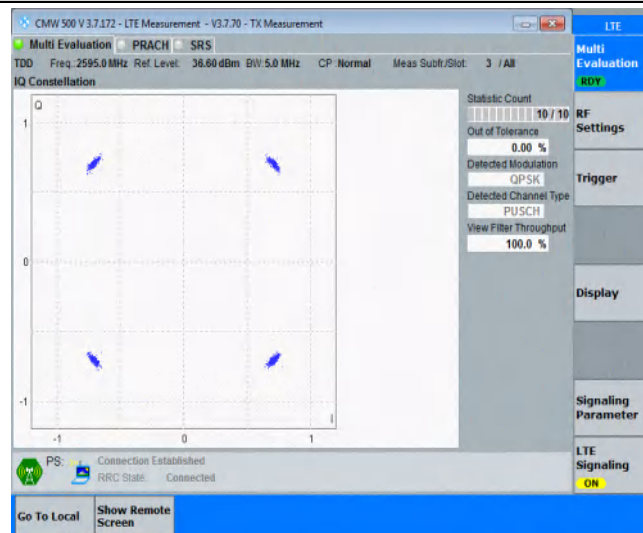
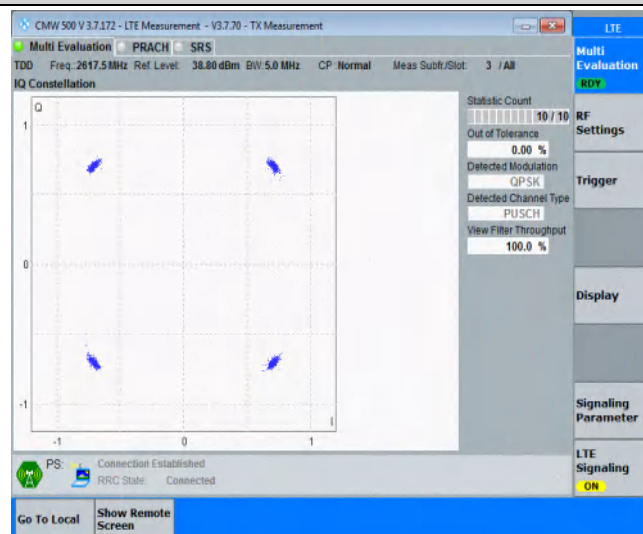
Band3 8	20MHz	16QAM	38150	100RB#0	NV	-30	16.37	0.006272	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	NV	-20	14.19	0.005437	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	NV	0	11.11	0.004257	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	NV	10	13.60	0.005211	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	NV	20	12.24	0.004690	±2.5	PASS

Appendix G: Modulation Characteristics

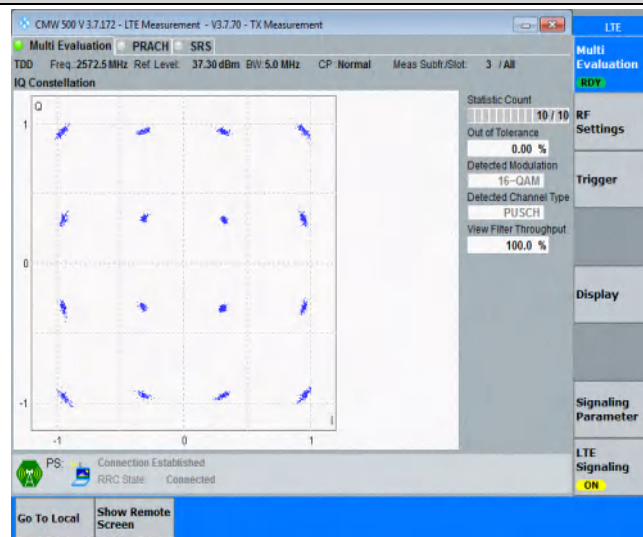
Test Result

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

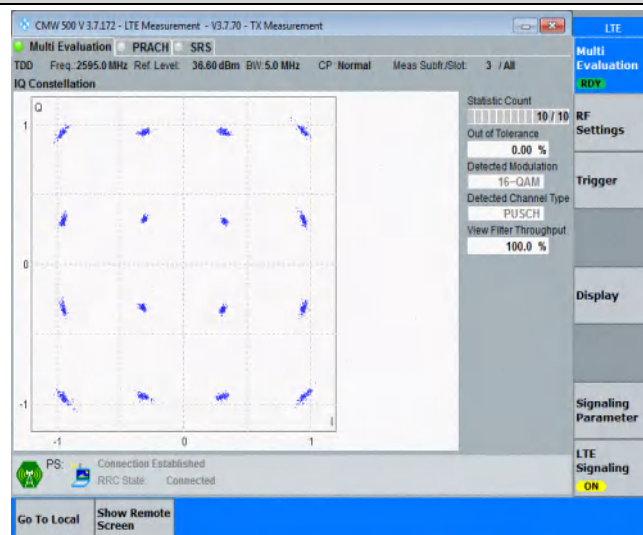
Test Graphs

Band38-5MHz-QPSK-37775-25RB#0**Band38-5MHz-QPSK-38000-25RB#0****Band38-5MHz-QPSK-38225-25RB#0**

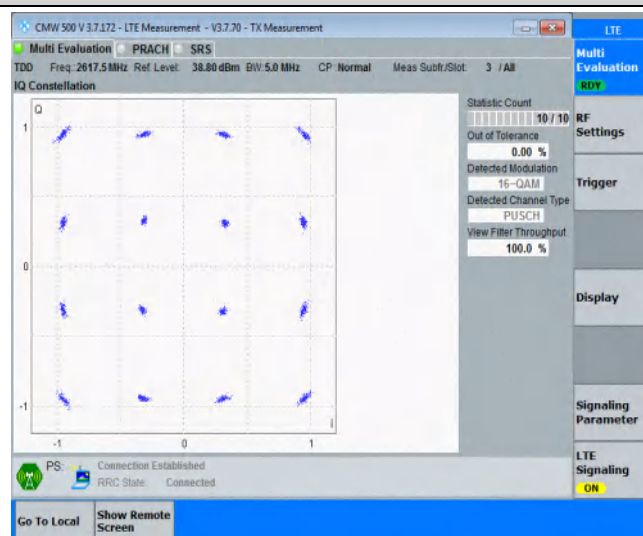
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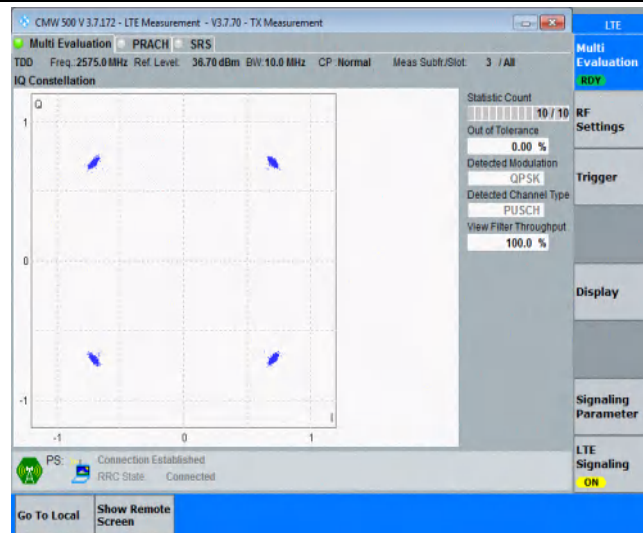
Band38-5MHz-16QAM-38000-25RB#0



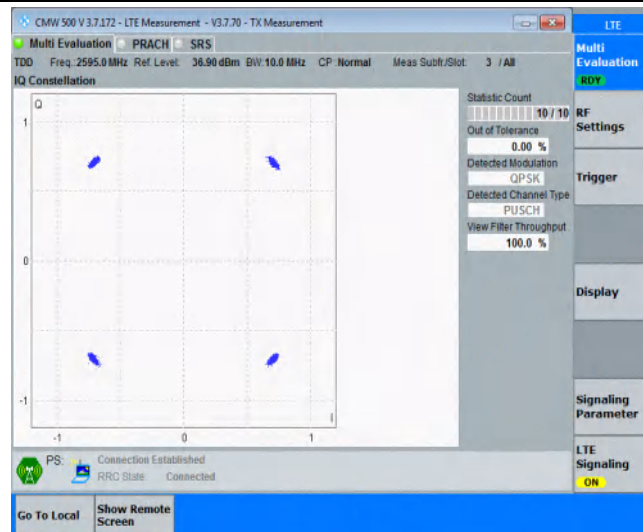
Band38-5MHz-16QAM-38225-25RB#0



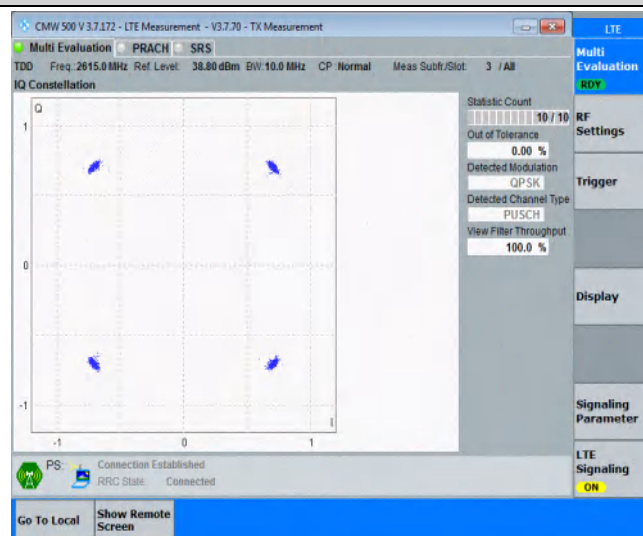
Band38-10MHz-QPSK-37800-50RB#0



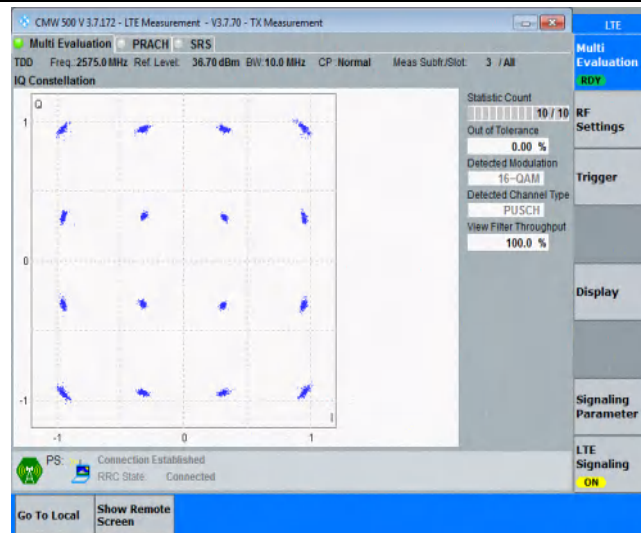
Band38-10MHz-QPSK-38000-50RB#0



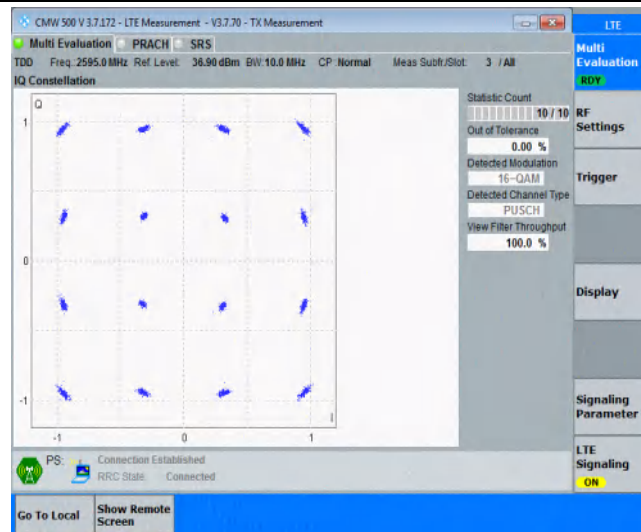
Band38-10MHz-QPSK-38200-50RB#0



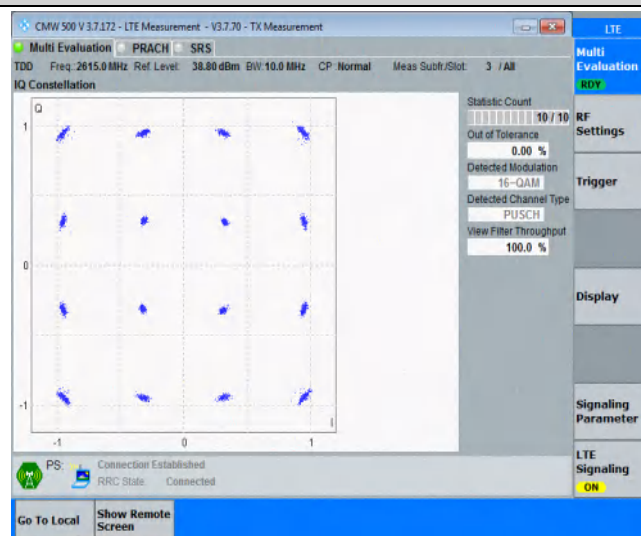
Band38-10MHz-16QAM-37800-50RB#0



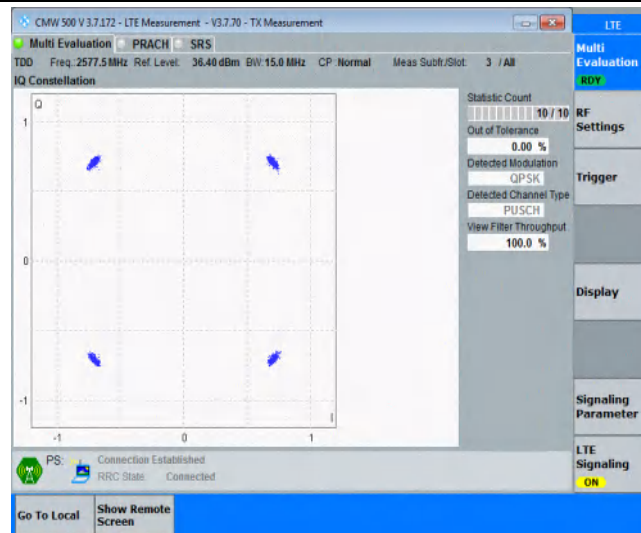
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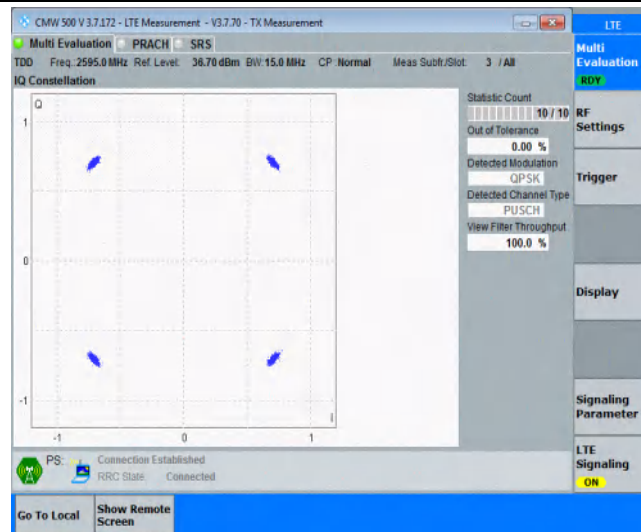
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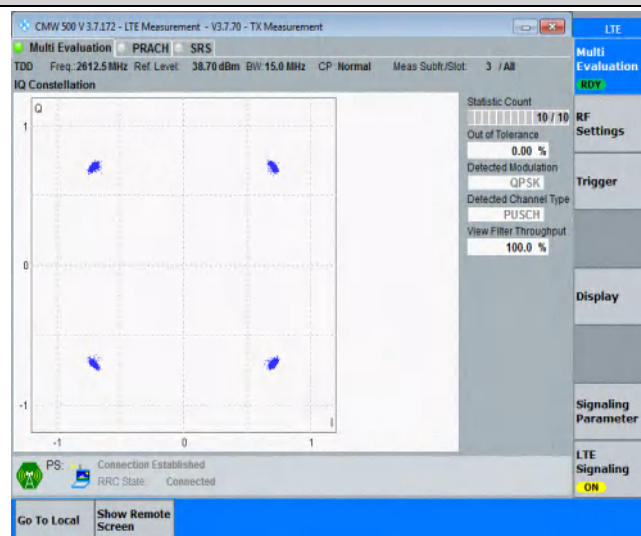
Band38-15MHz-QPSK-37825-75RB#0



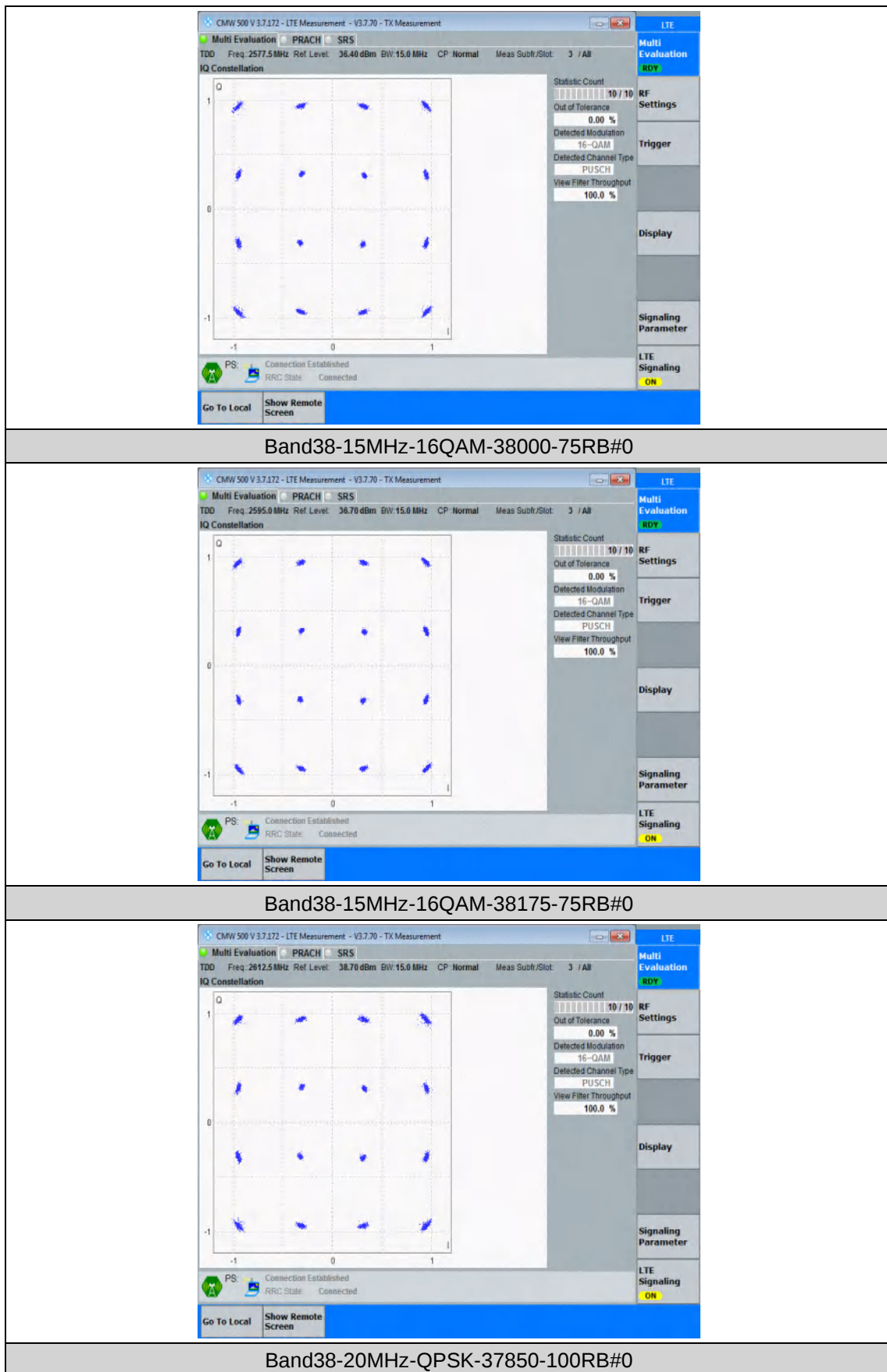
Band38-15MHz-QPSK-38000-75RB#0

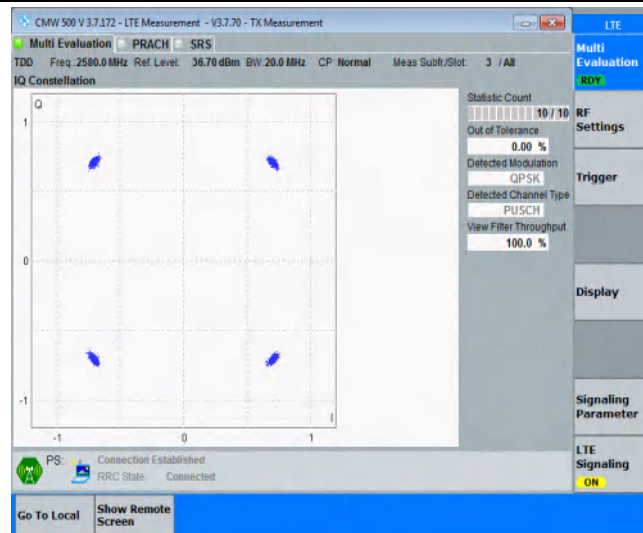


Band38-15MHz-QPSK-38175-75RB#0

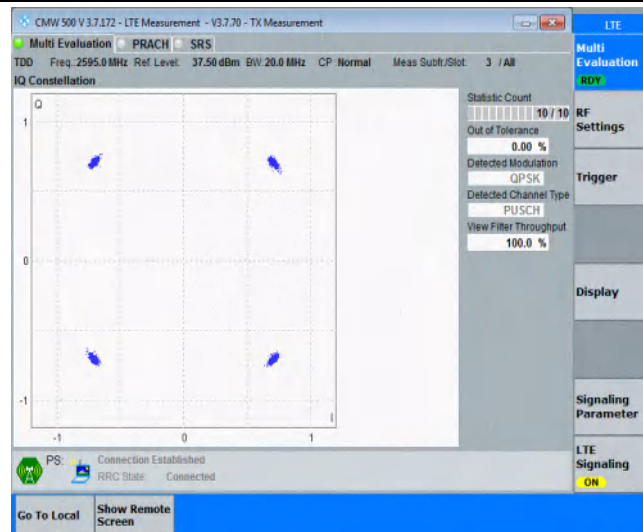


Band38-15MHz-16QAM-37825-75RB#0

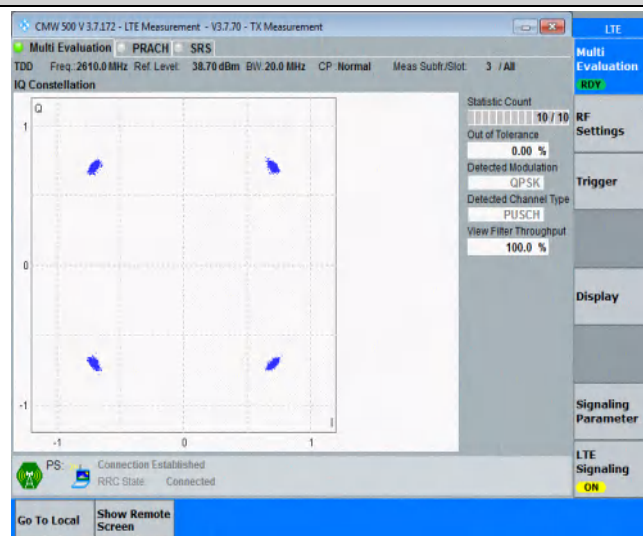




Band38-20MHz-QPSK-38000-100RB#0



Band38-20MHz-QPSK-38150-100RB#0



Band38-20MHz-16QAM-37850-100RB#0

