

FCC LTE Band Test Data

FCC ID : 2A8ZB-G232

Company: : Shenzhen Weiwo Intelligent Electronics Co., Ltd

EUT : 4G smartwatch

Model Number : G232

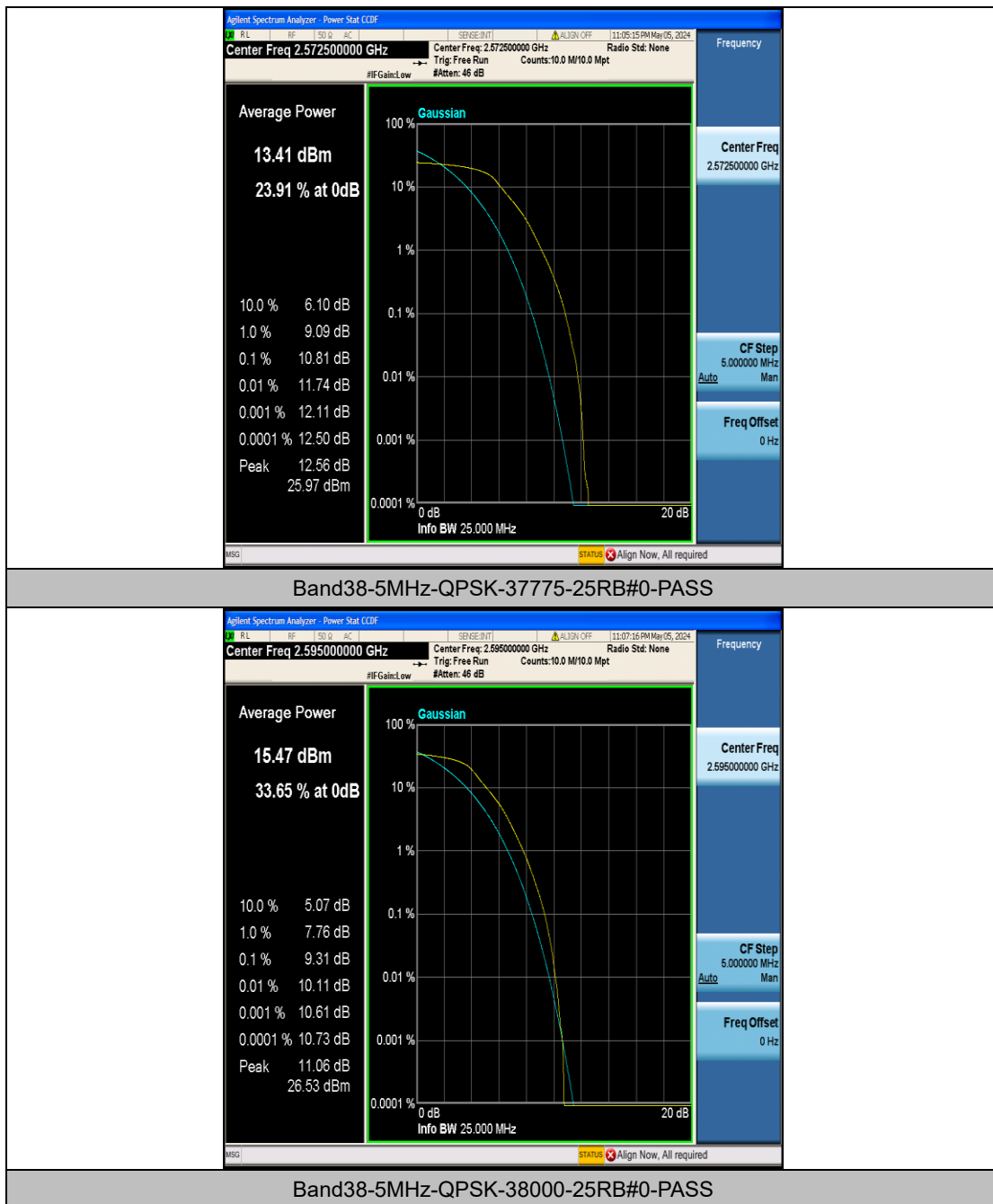
Reviewed By : Eric Wang

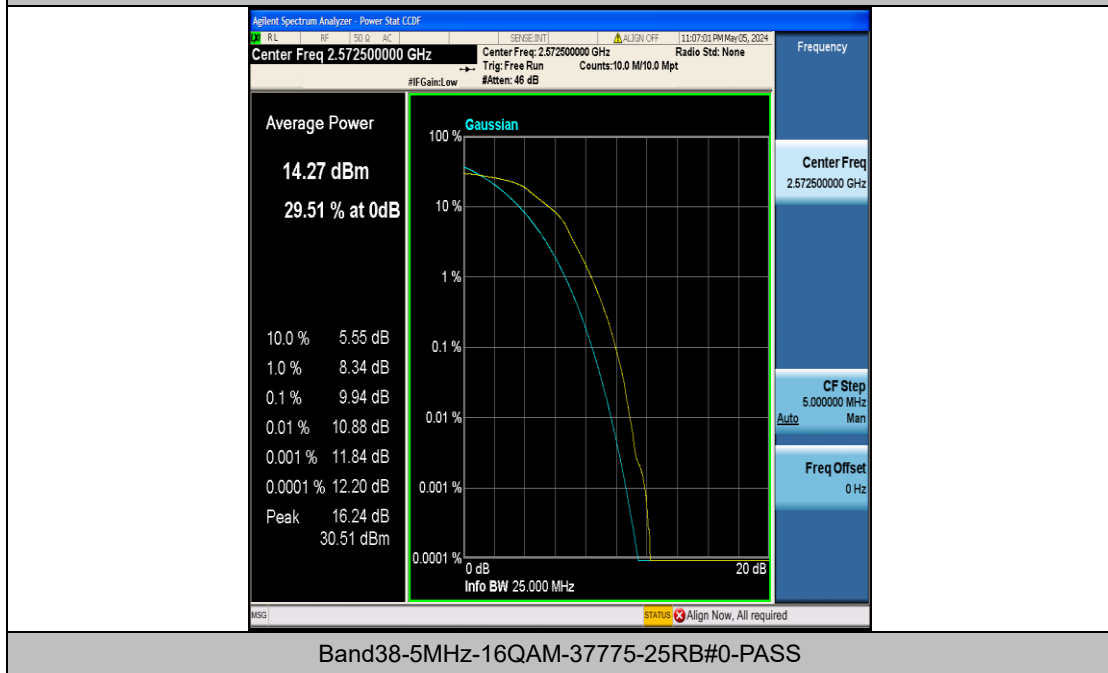
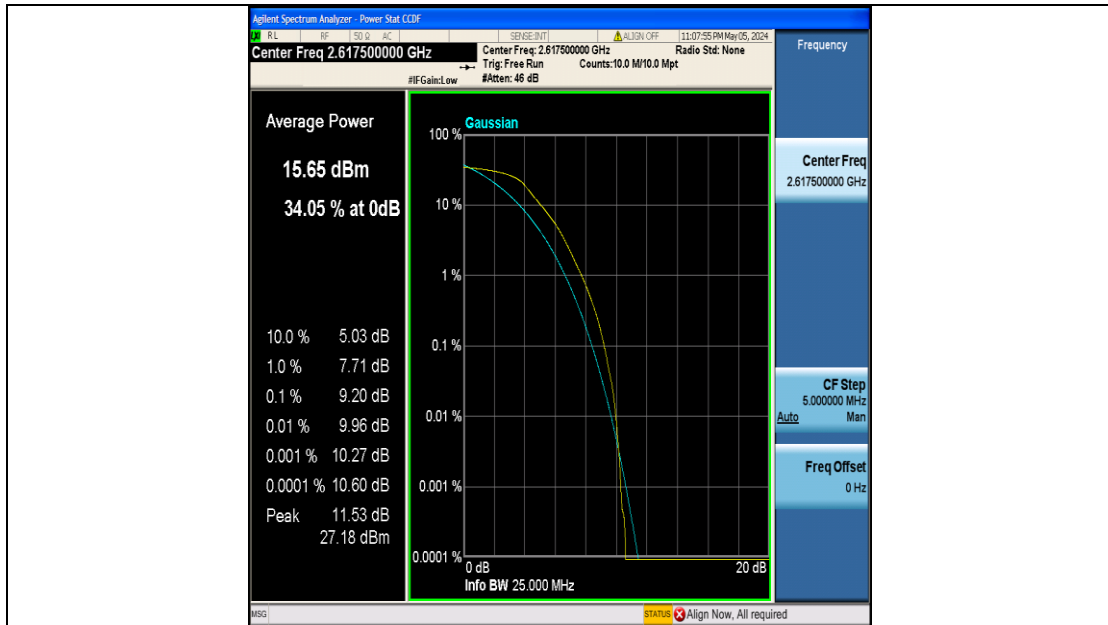
Appendix B: Peak-to-Average Ratio(CCDF)

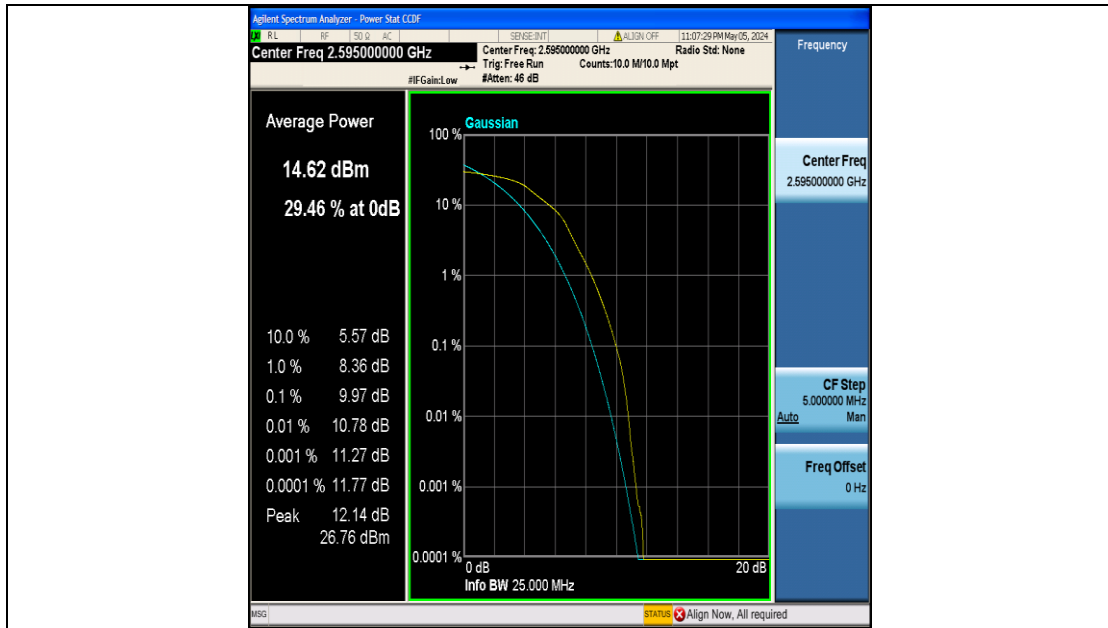
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	10.81	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	9.31	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.20	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.94	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.97	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.53	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.10	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.93	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.86	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.49	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.52	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.80	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.36	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.51	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.43	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.13	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.96	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	10.09	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.21	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	9.26	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.02	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.88	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.99	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.79	13	PASS

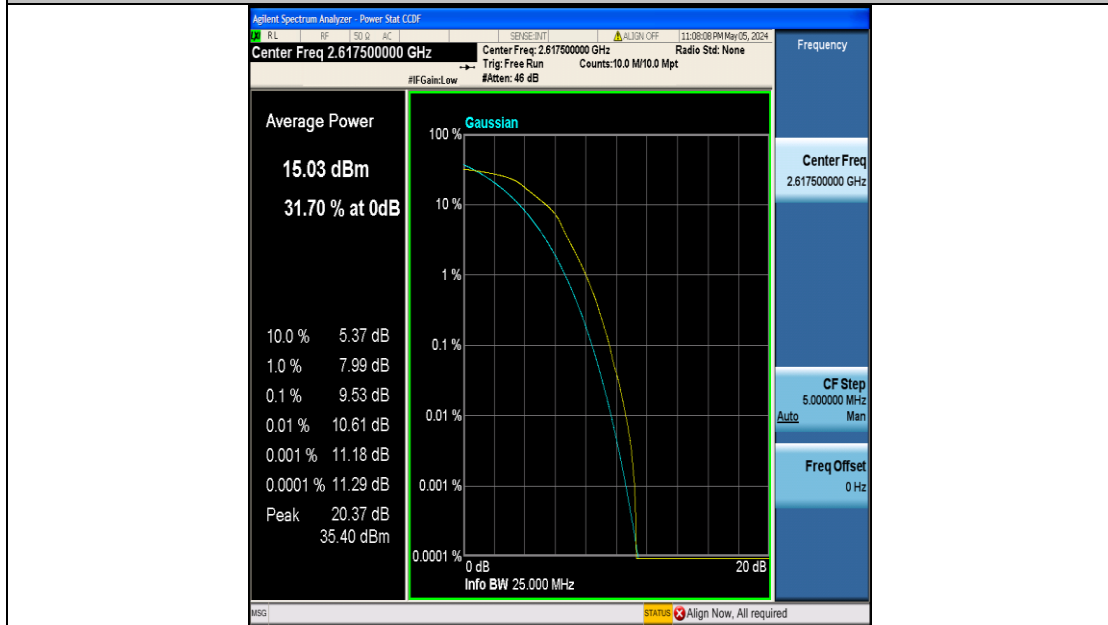
Test Graphs







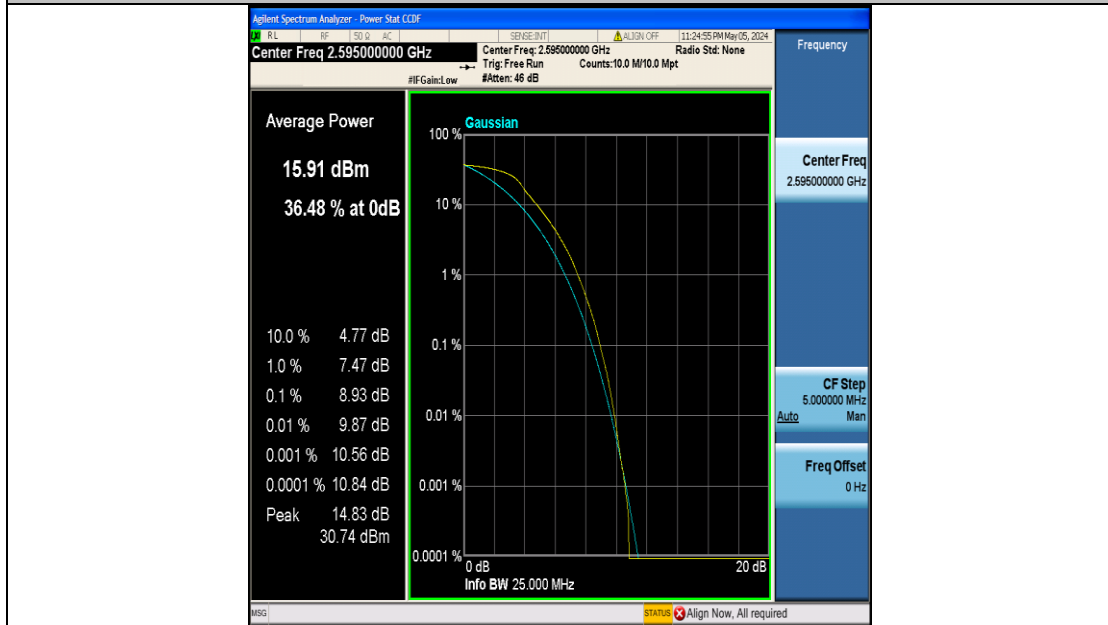
Band38-5MHz-16QAM-38000-25RB#0-PASS



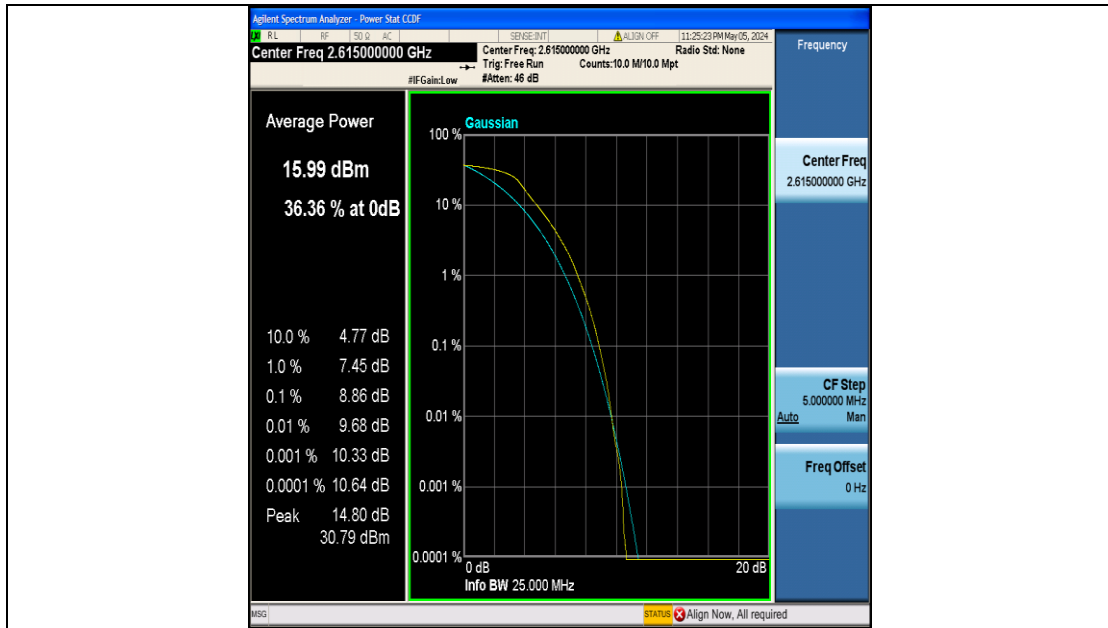
Band38-5MHz-16QAM-38225-25RB#0-PASS



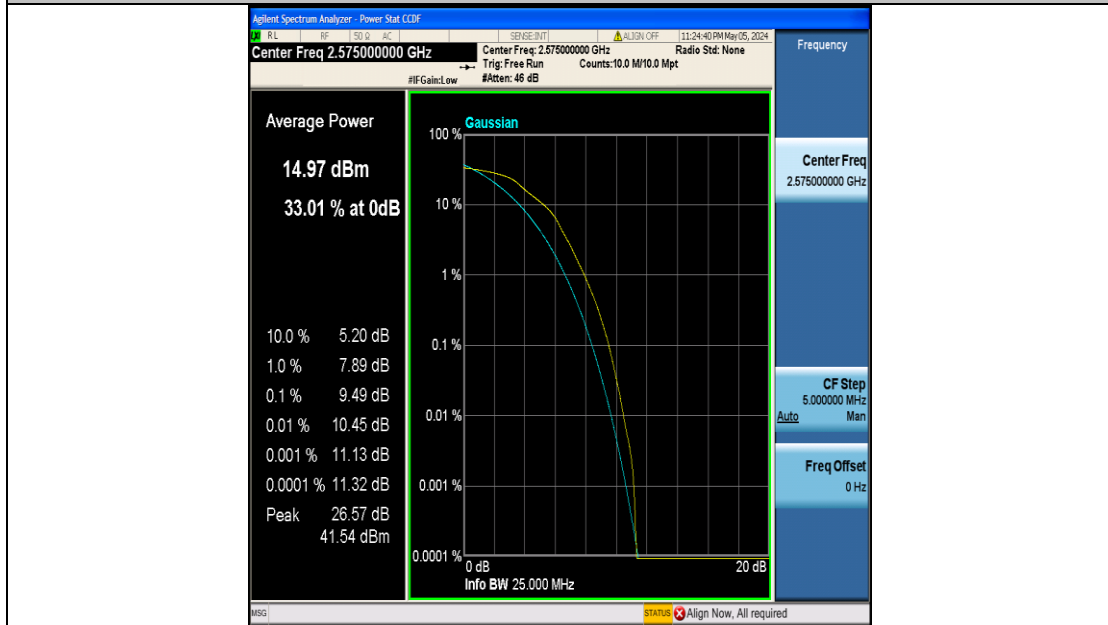
Band38-10MHz-QPSK-37800-50RB#0-PASS



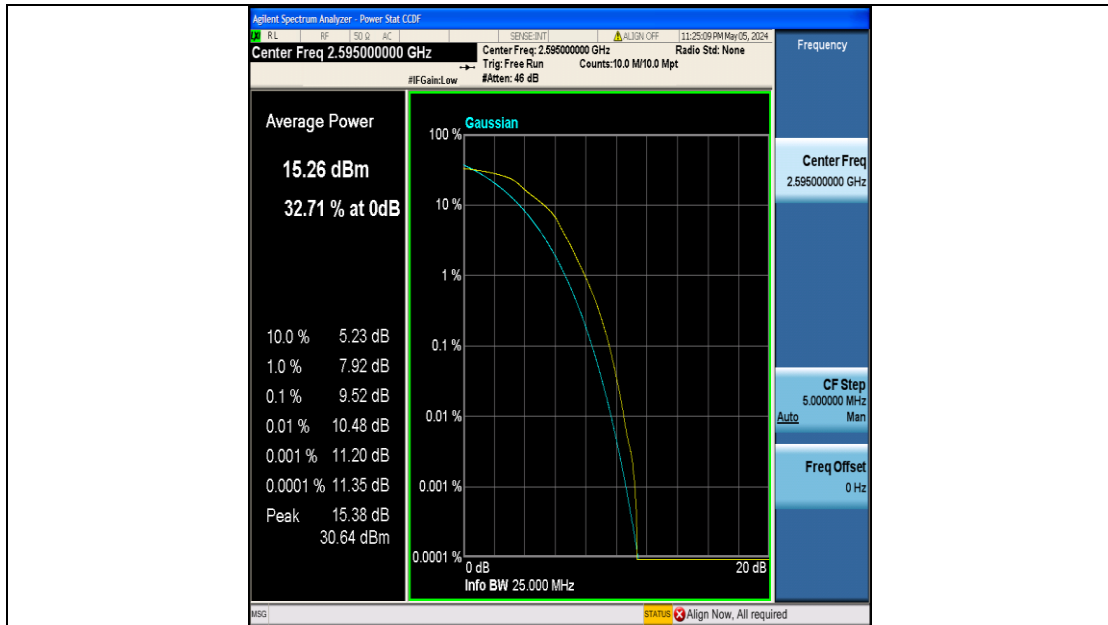
Band38-10MHz-QPSK-38000-50RB#0-PASS



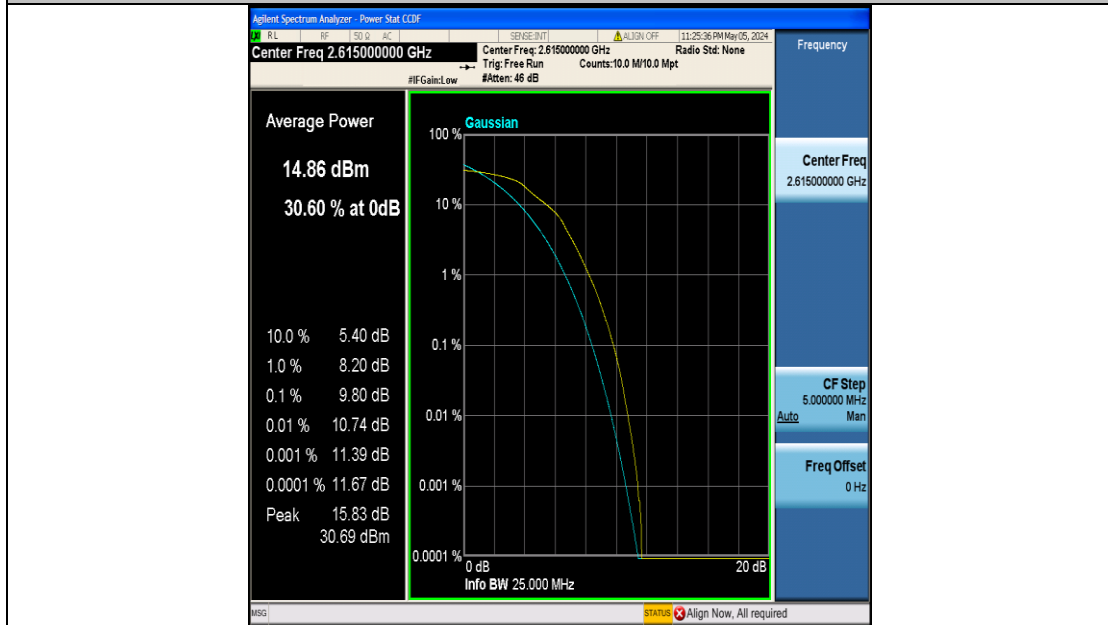
Band38-10MHz-QPSK-38200-50RB#0-PASS



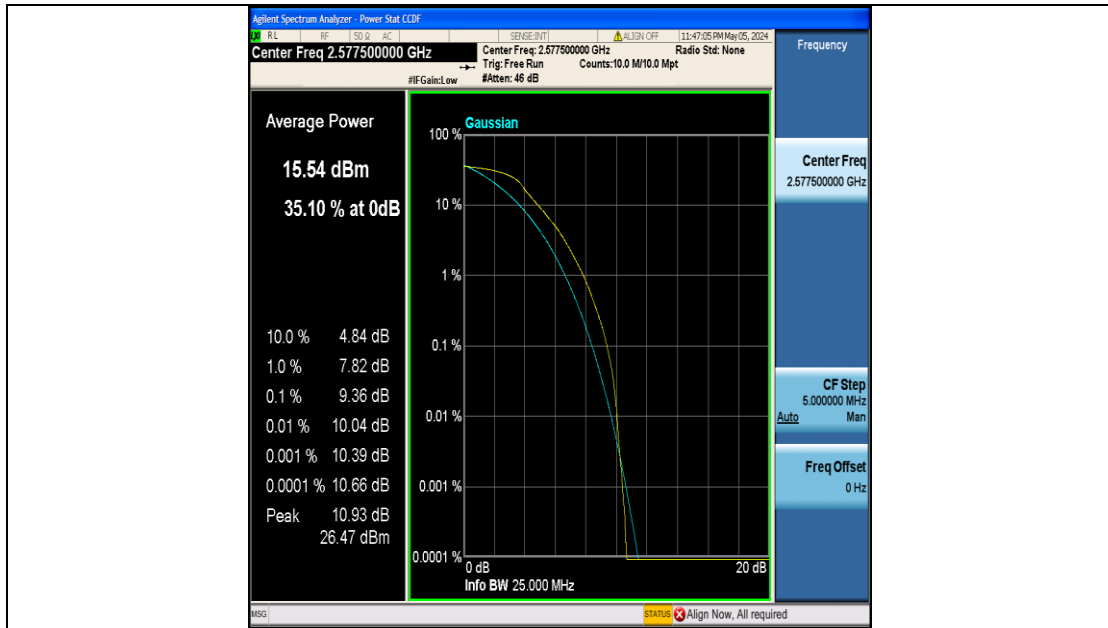
Band38-10MHz-16QAM-37800-50RB#0-PASS



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



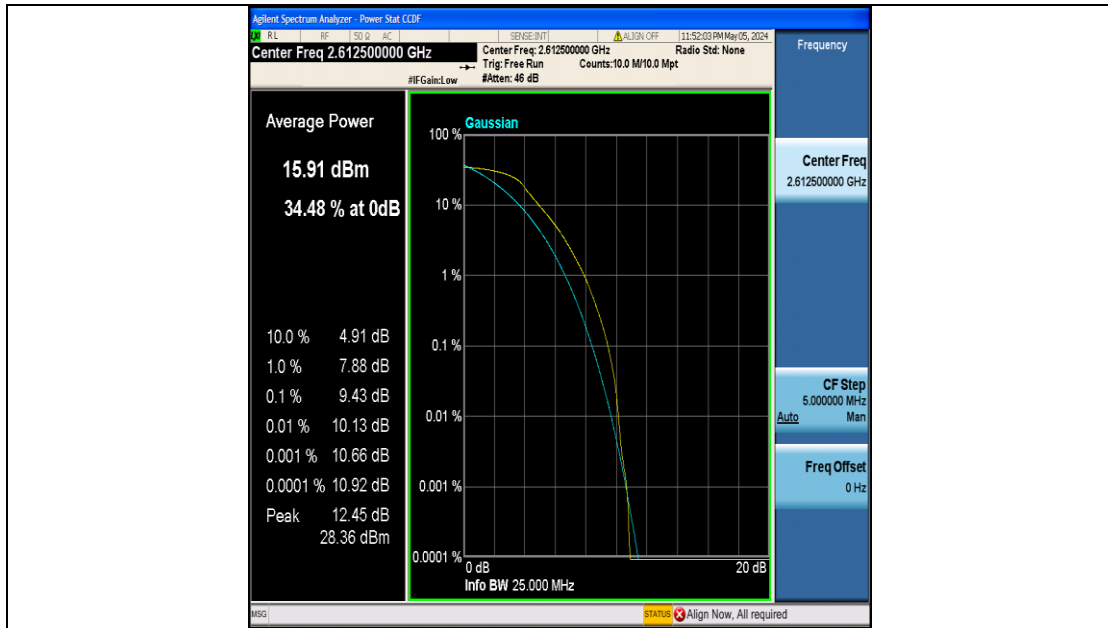
Band38-10MHz-16QAM-38200-50RB#0-PASS



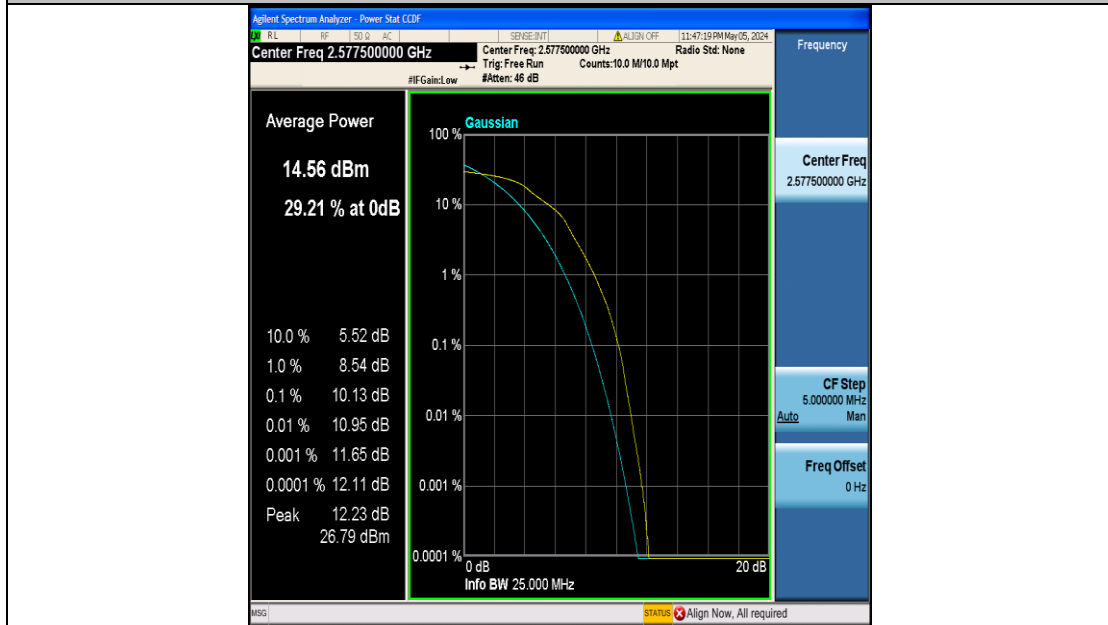
Band38-15MHz-QPSK-37825-75RB#0-PASS



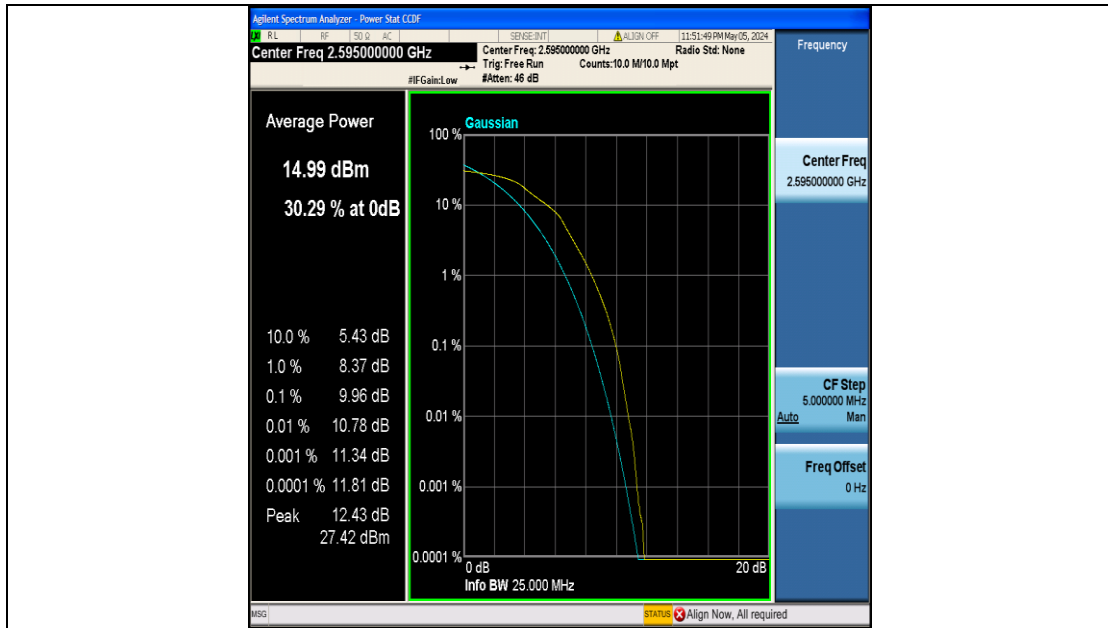
Band38-15MHz-QPSK-38000-75RB#0-PASS



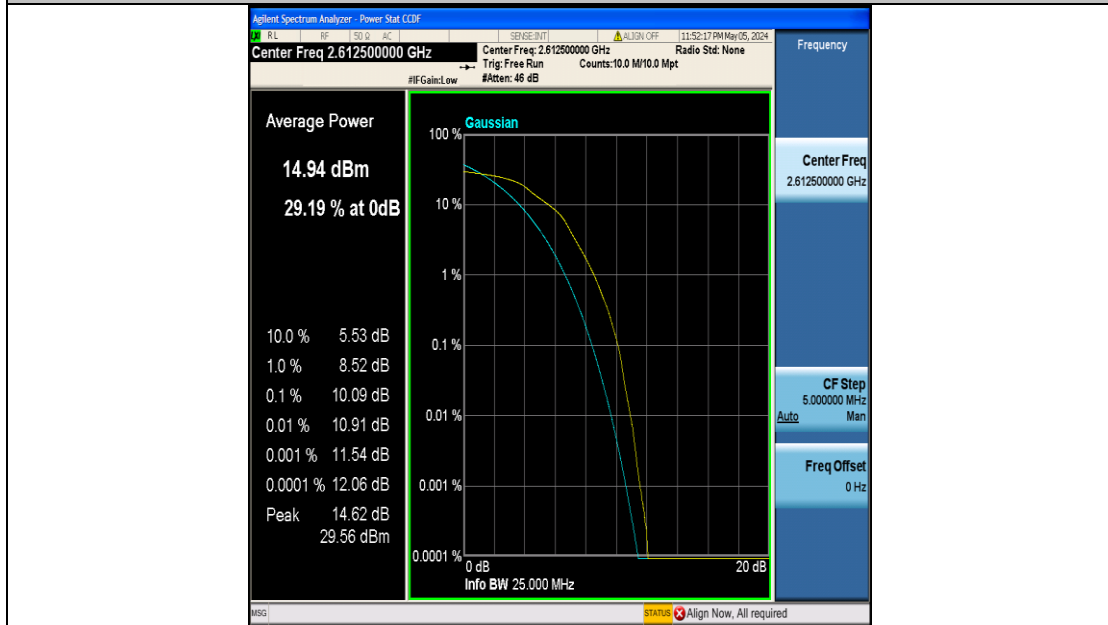
Band38-15MHz-QPSK-38175-75RB#0-PASS



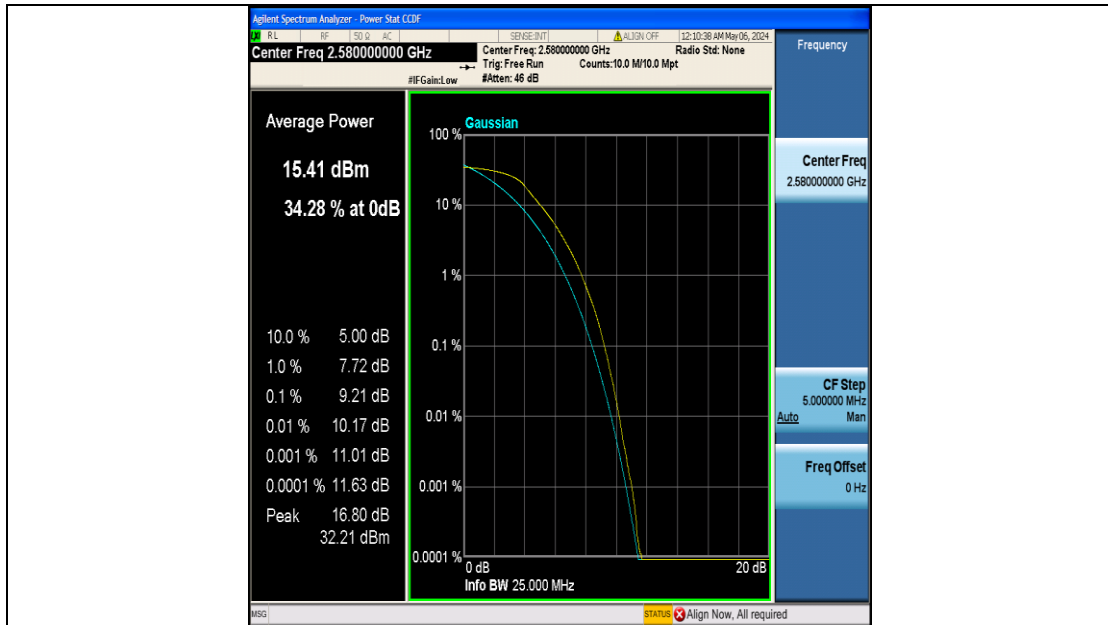
Band38-15MHz-16QAM-37825-75RB#0-PASS



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



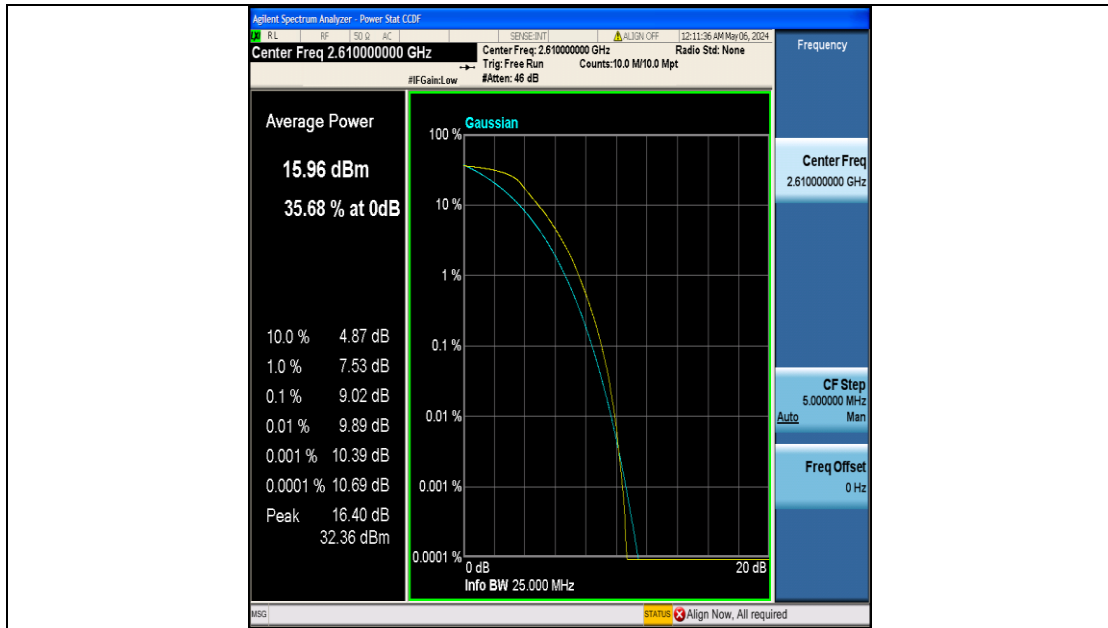
Band38-15MHz-16QAM-38175-75RB#0-PASS



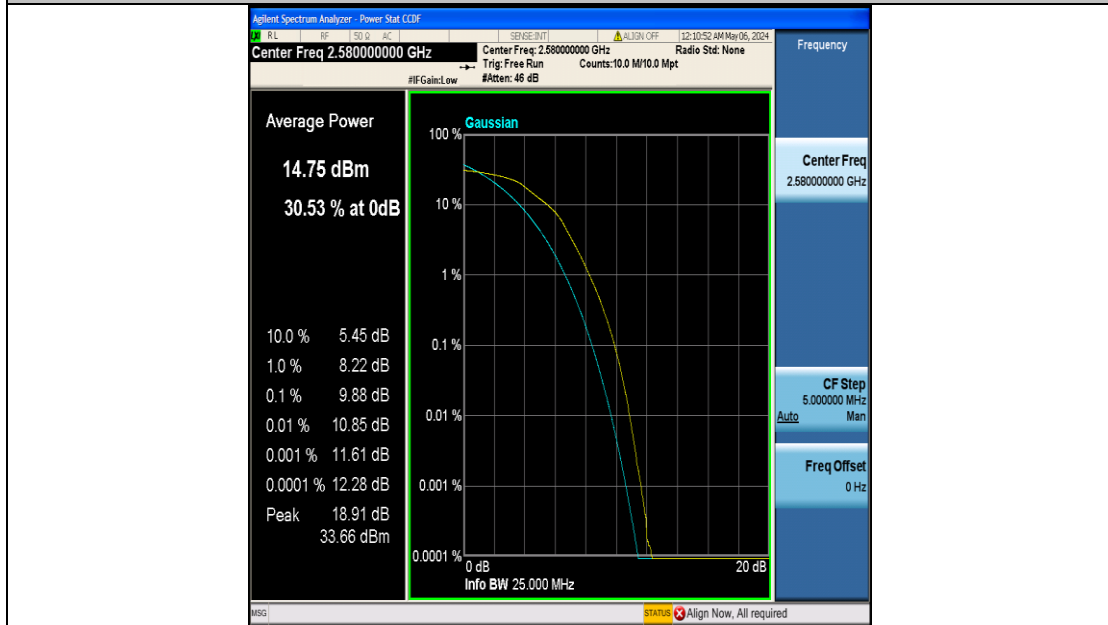
Band38-20MHz-QPSK-37850-100RB#0-PASS



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



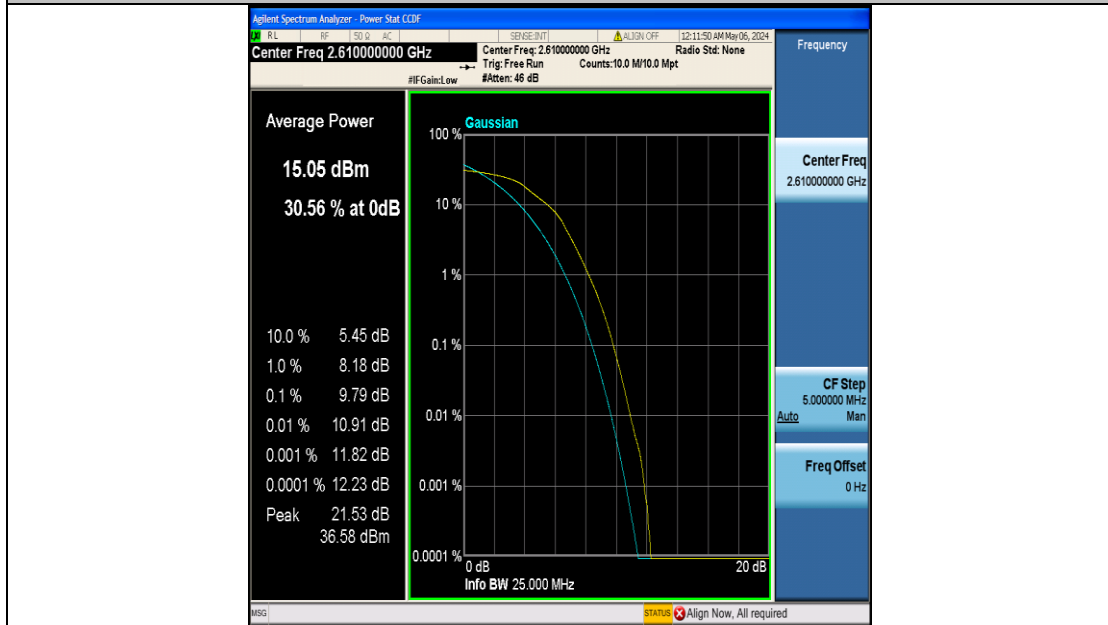
Band38-20MHz-QPSK-38150-100RB#0-PASS



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



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



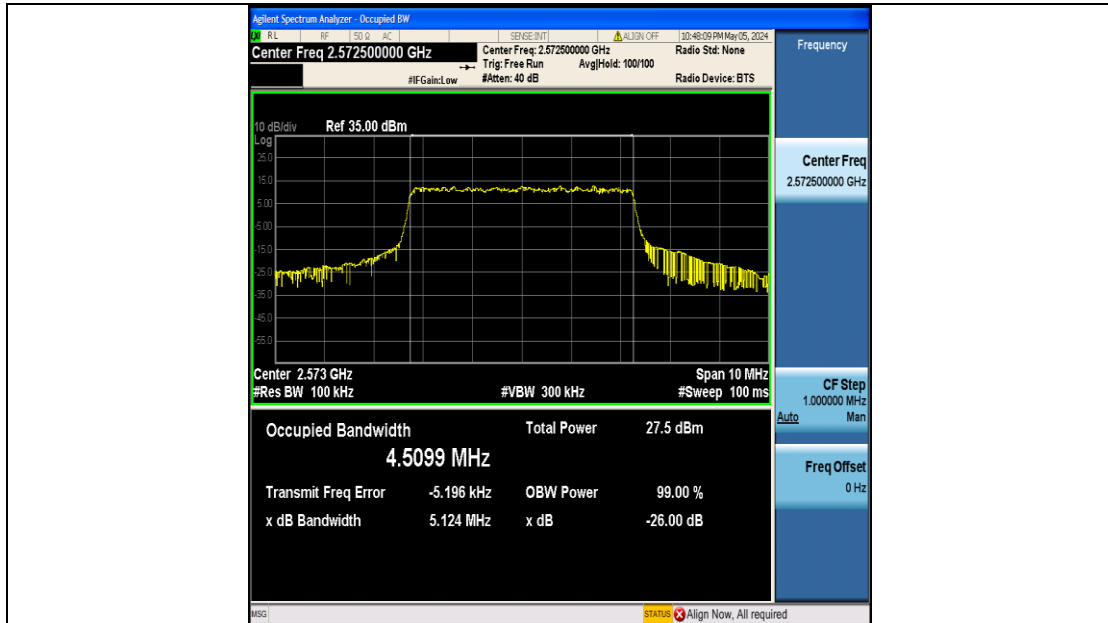
Band38-20MHz-16QAM-38150-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

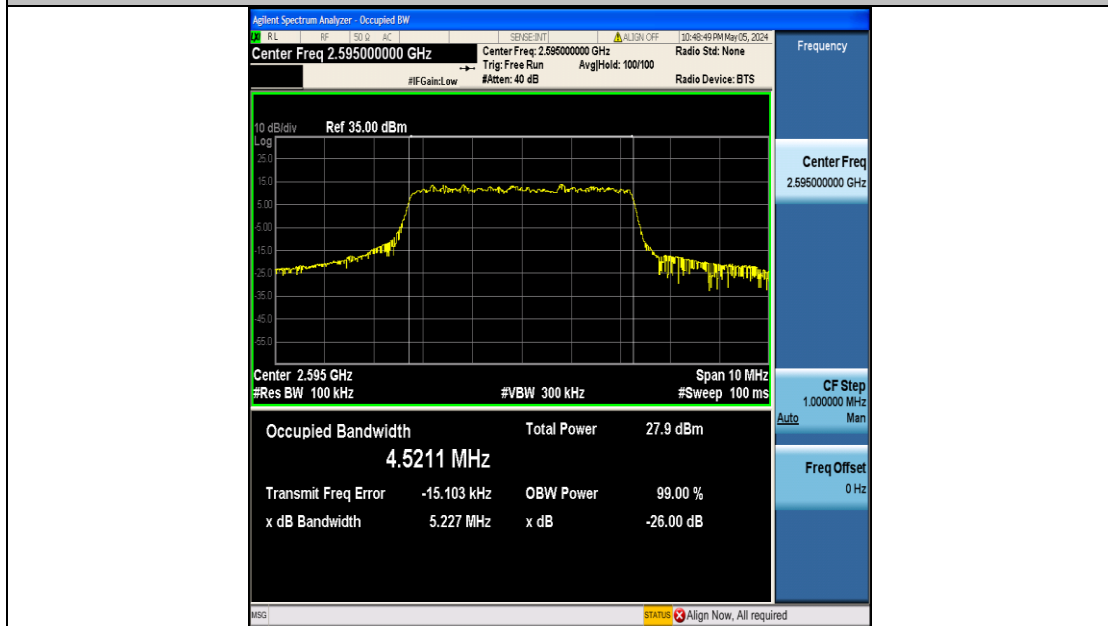
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5099	5.124	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5211	5.227	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5235	5.251	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5077	5.431	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5171	5.303	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5176	5.341	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9951	10.05	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9925	10.03	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9941	9.967	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9807	10.10	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0029	10.09	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9925	10.13	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.491	15.63	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.487	15.10	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.469	15.90	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.501	14.97	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.495	14.91	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.491	15.32	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.993	19.64	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.024	20.61	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.935	20.22	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.945	19.96	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.967	19.75	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.970	19.75	PASS

Test Graphs



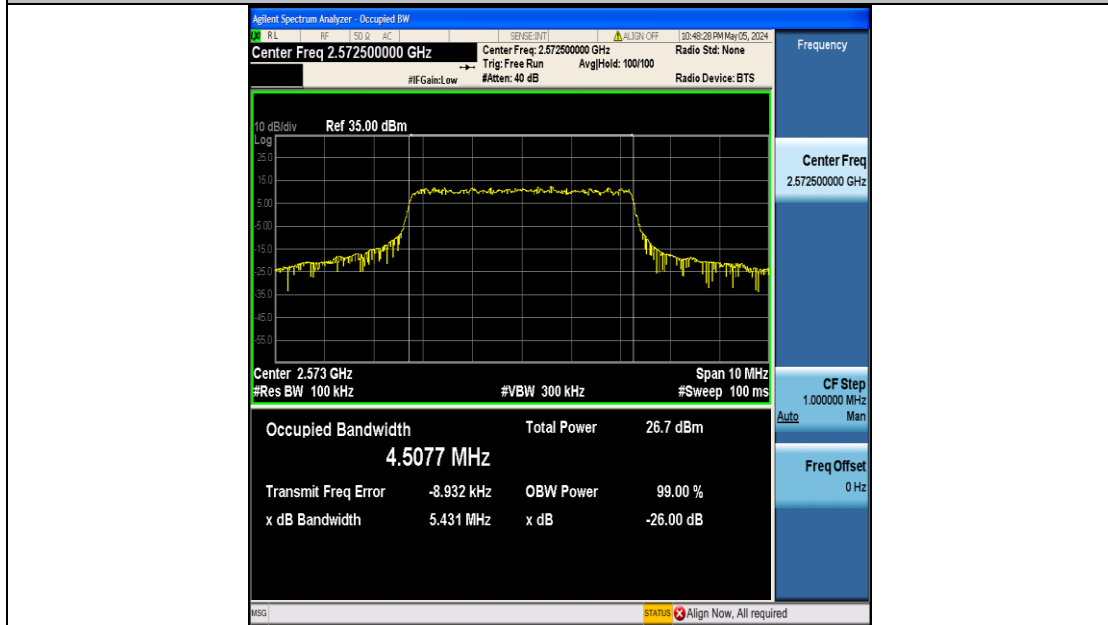
Band38-5MHz-QPSK-37775-25RB#0-PASS



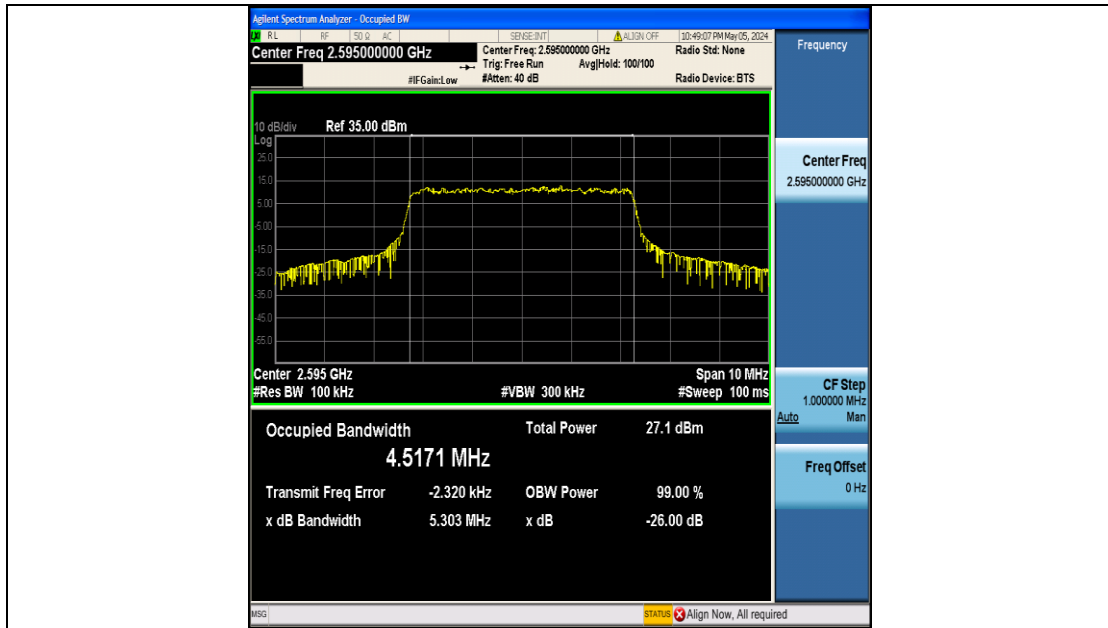
Band38-5MHz-QPSK-38000-25RB#0-PASS



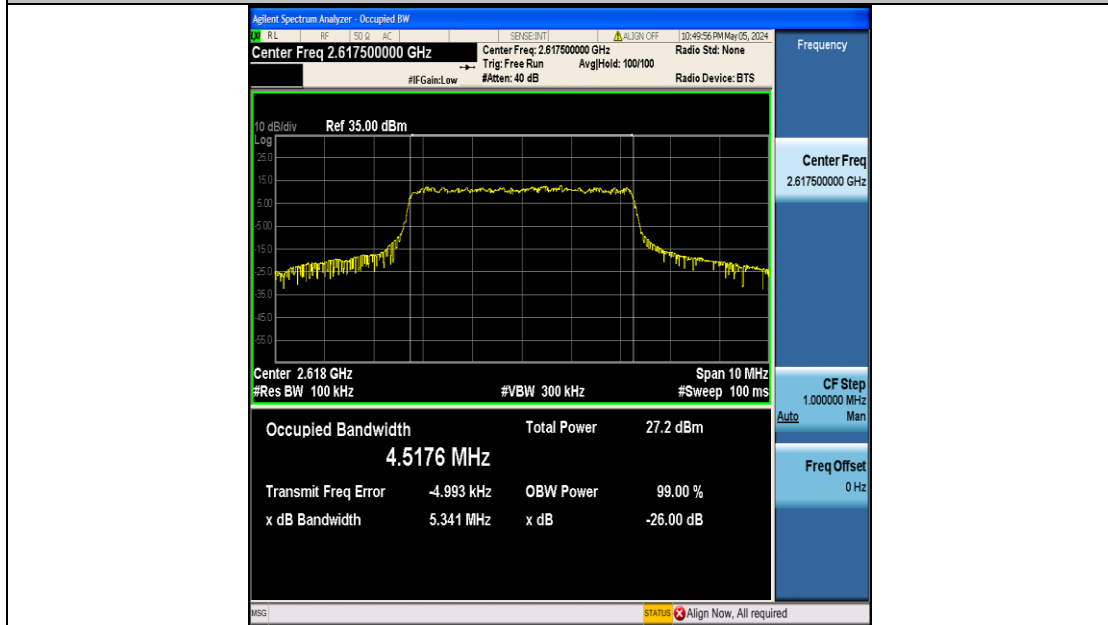
Band38-5MHz-QPSK-38225-25RB#0-PASS



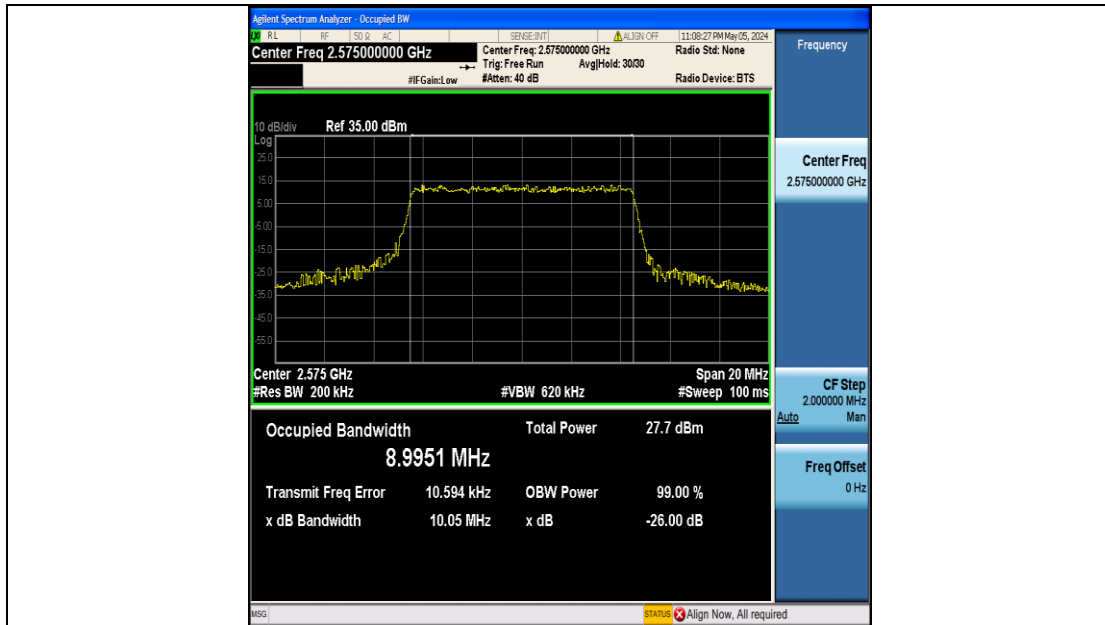
Band38-5MHz-16QAM-37775-25RB#0-PASS



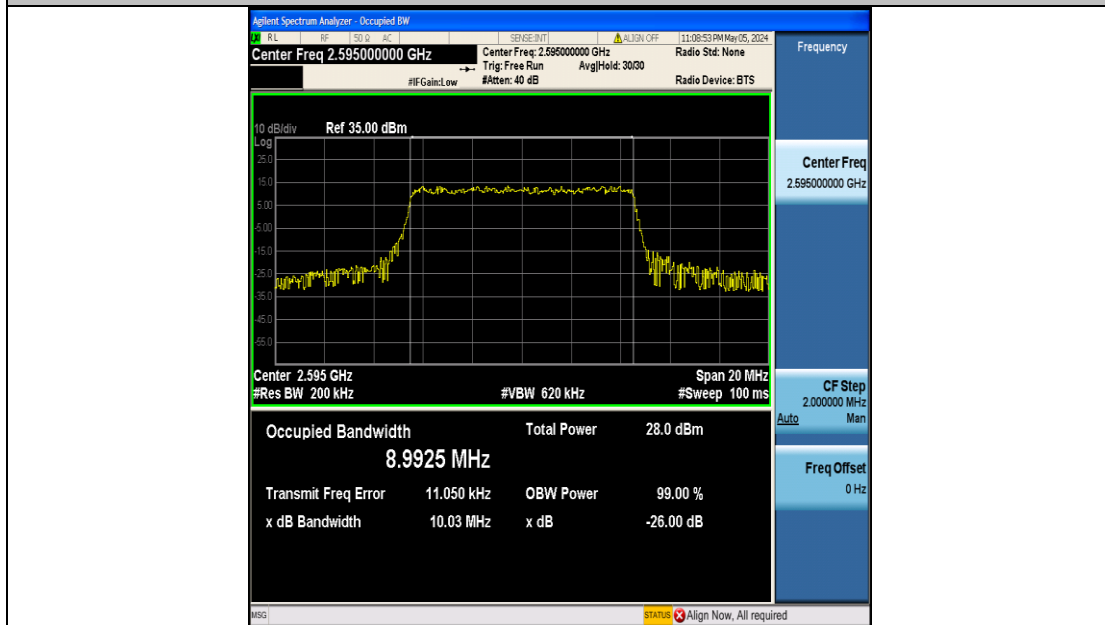
Band38-5MHz-16QAM-38000-25RB#0-PASS



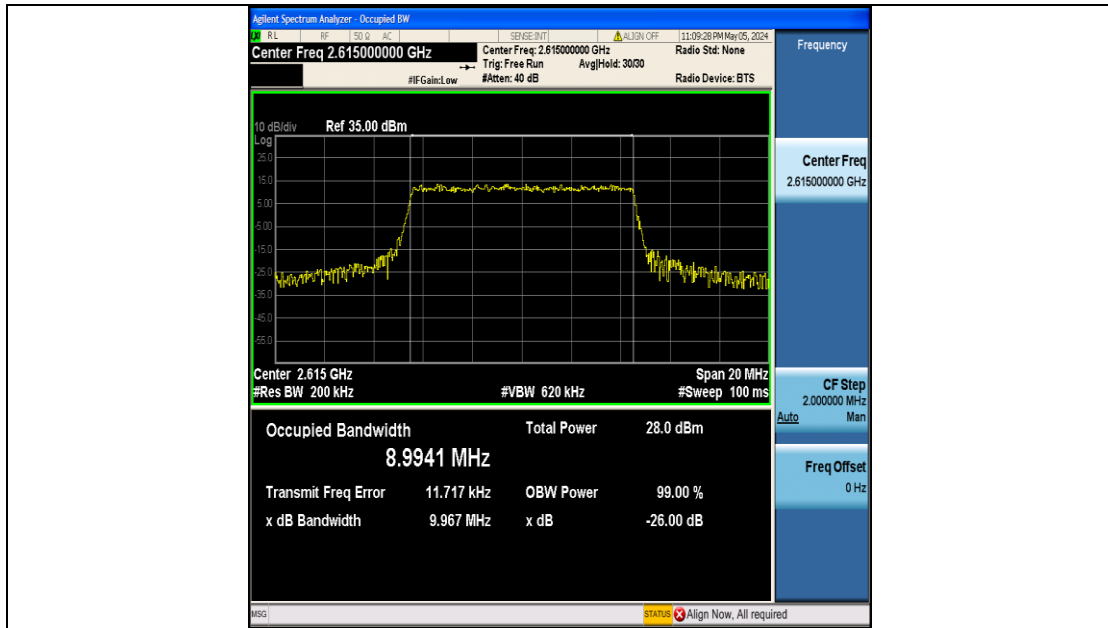
Band38-5MHz-16QAM-38225-25RB#0-PASS



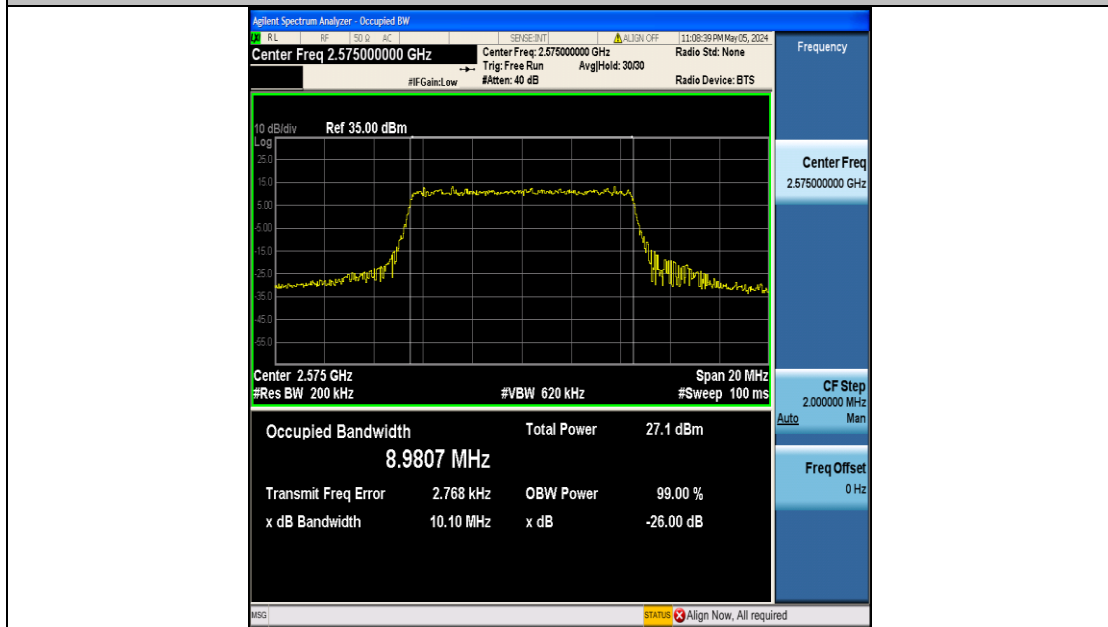
Band38-10MHz-QPSK-37800-50RB#0-PASS



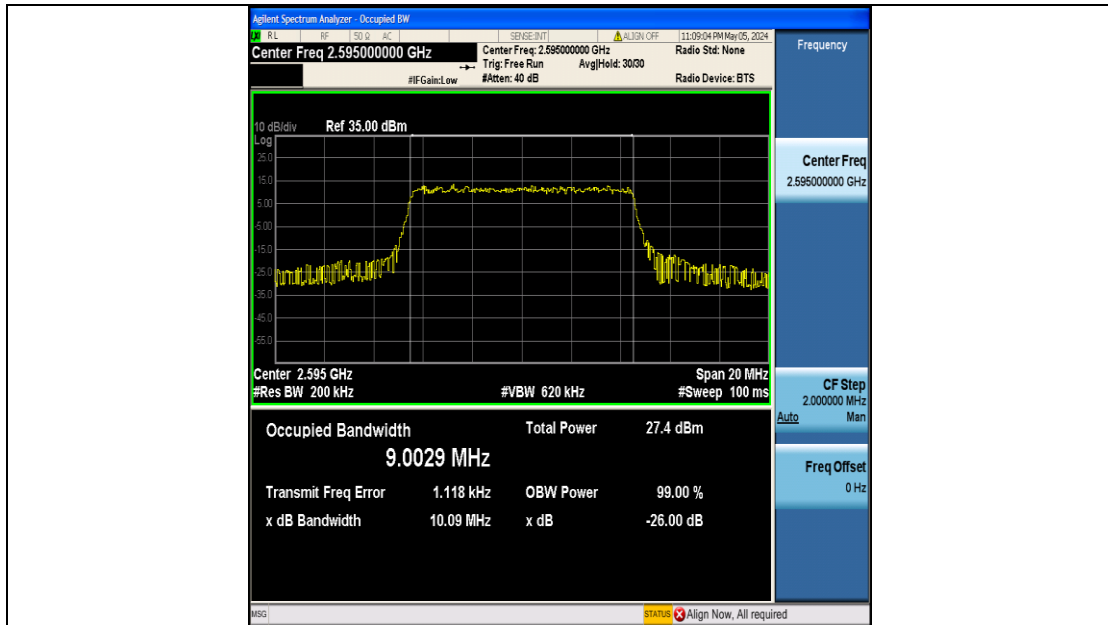
Band38-10MHz-QPSK-38000-50RB#0-PASS



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



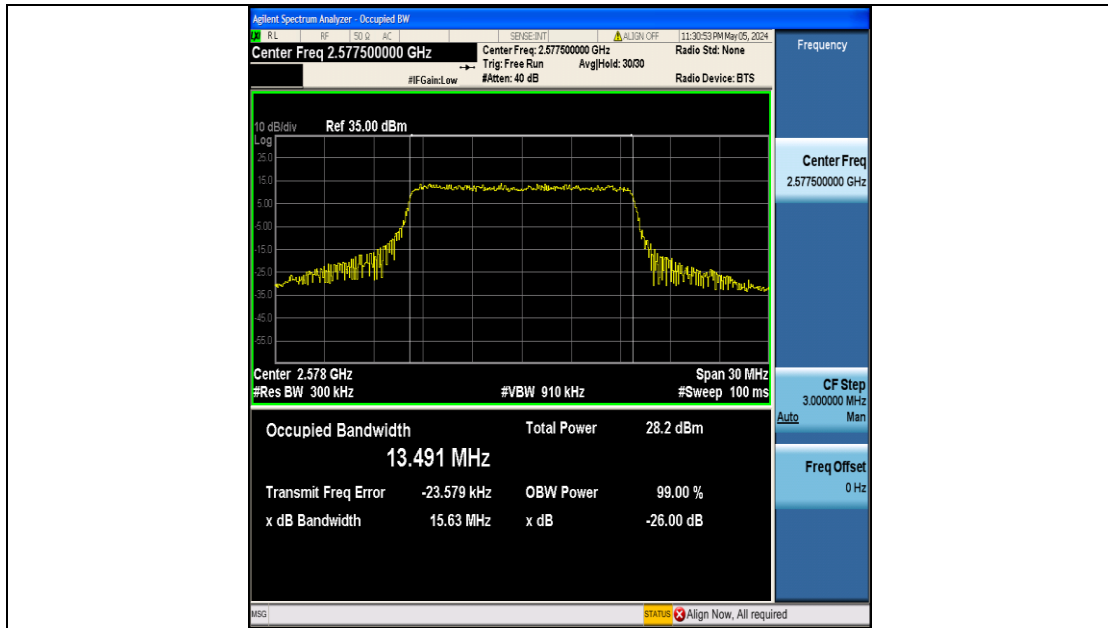
Band38-10MHz-16QAM-37800-50RB#0-PASS



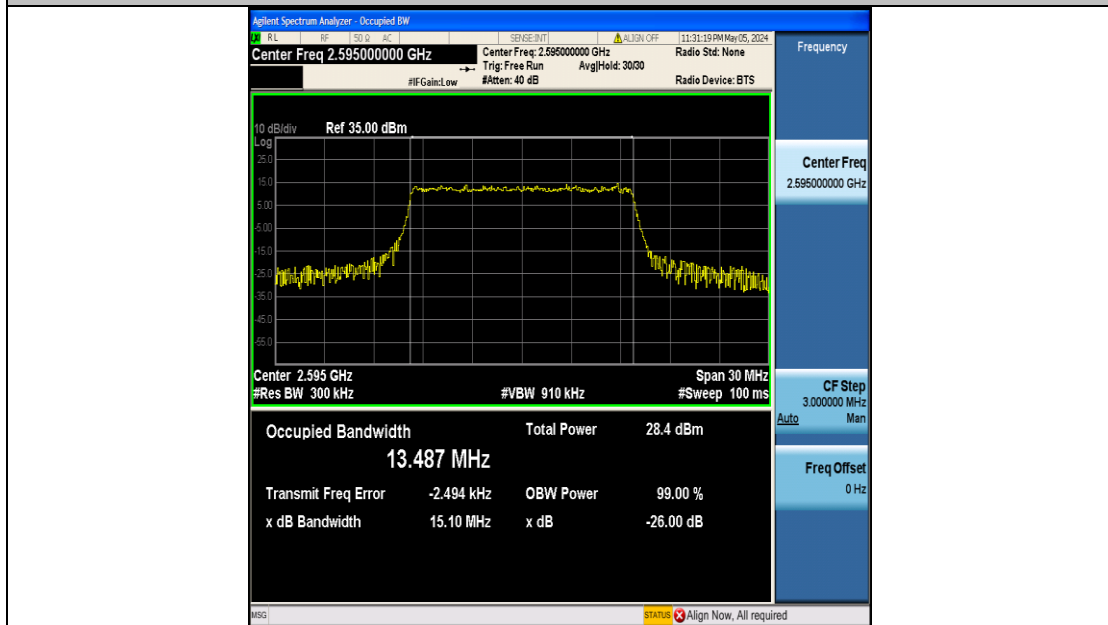
Band38-10MHz-16QAM-38000-50RB#0-PASS



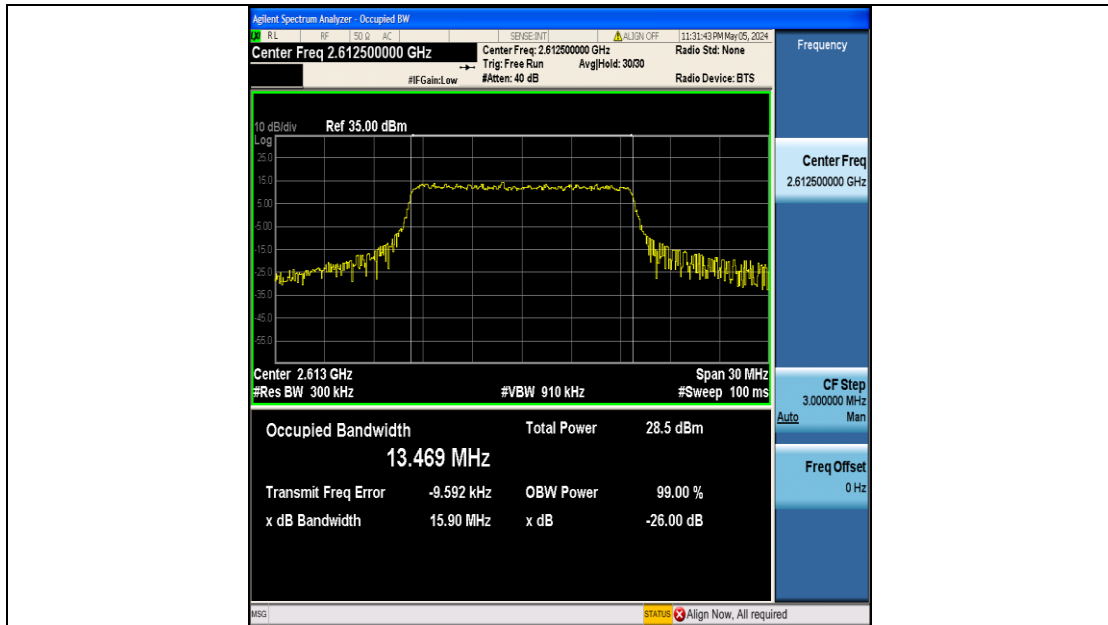
Band38-10MHz-16QAM-38200-50RB#0-PASS



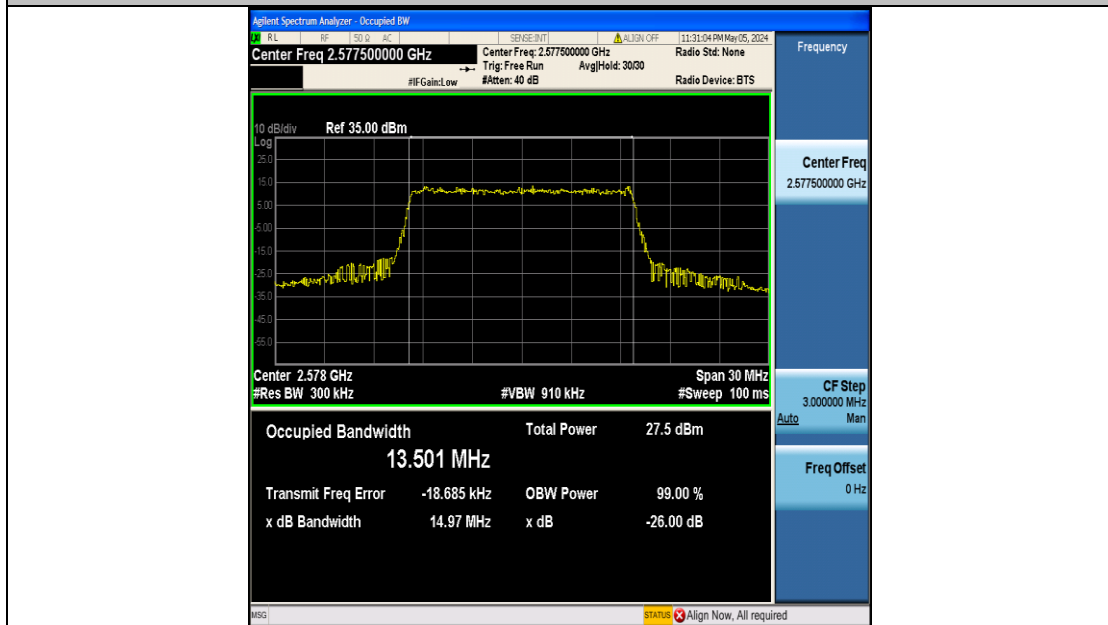
Band38-15MHz-QPSK-37825-75RB#0-PASS



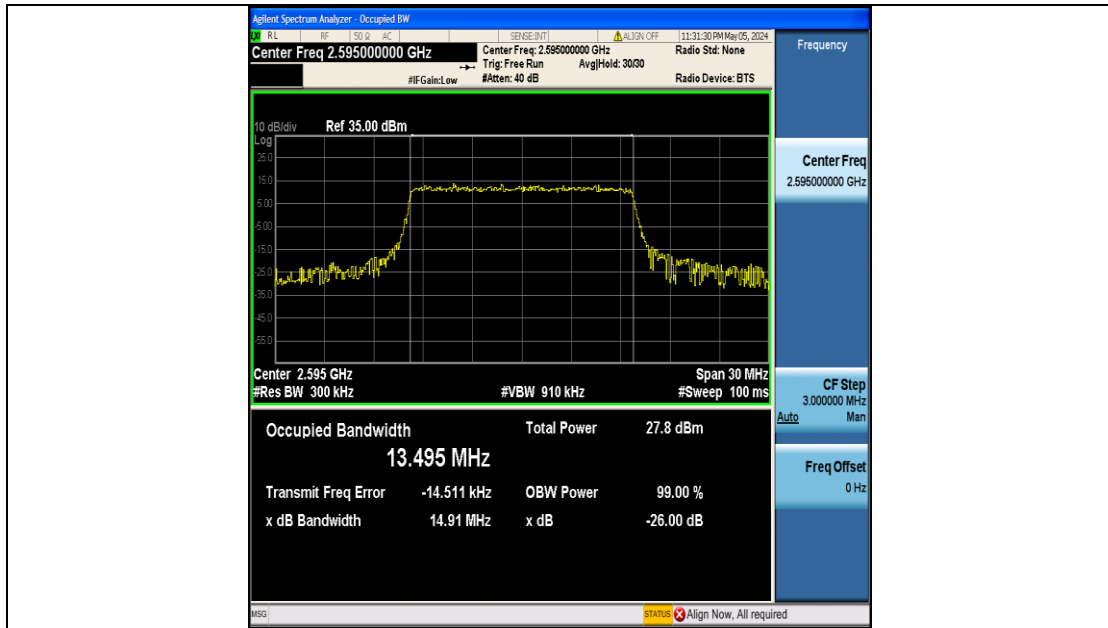
Band38-15MHz-QPSK-38000-75RB#0-PASS



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



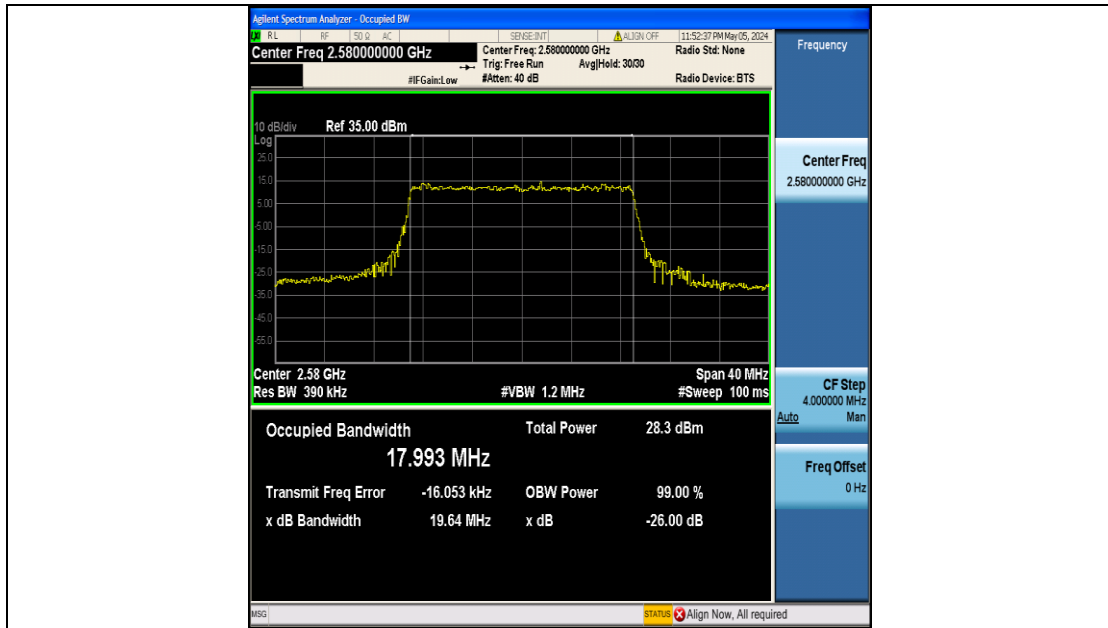
Band38-15MHz-16QAM-37825-75RB#0-PASS



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



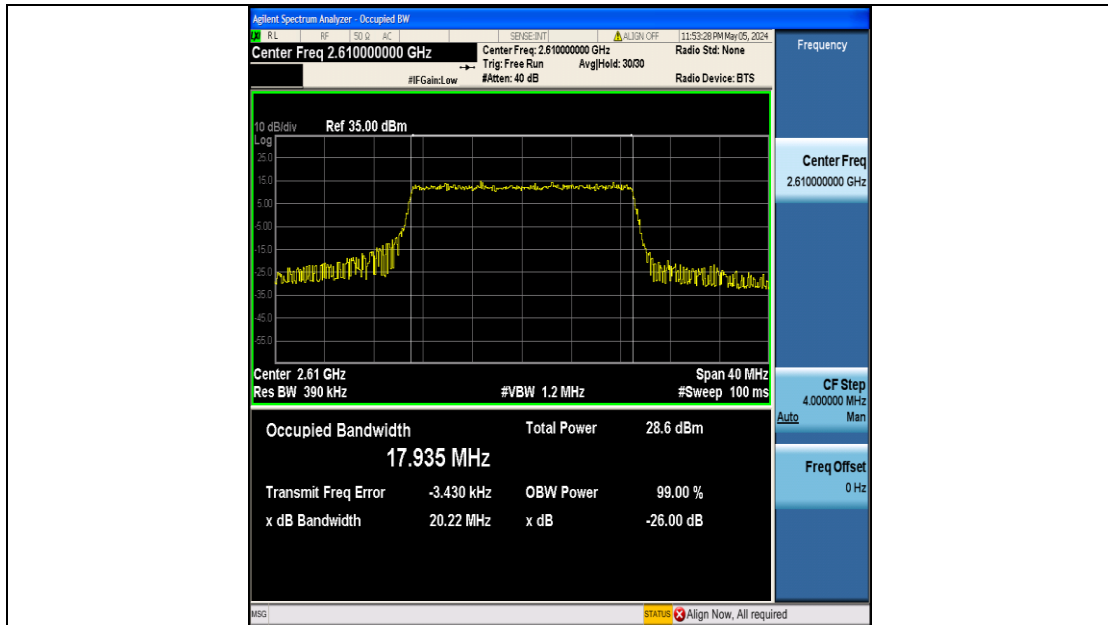
Band38-15MHz-16QAM-38175-75RB#0-PASS



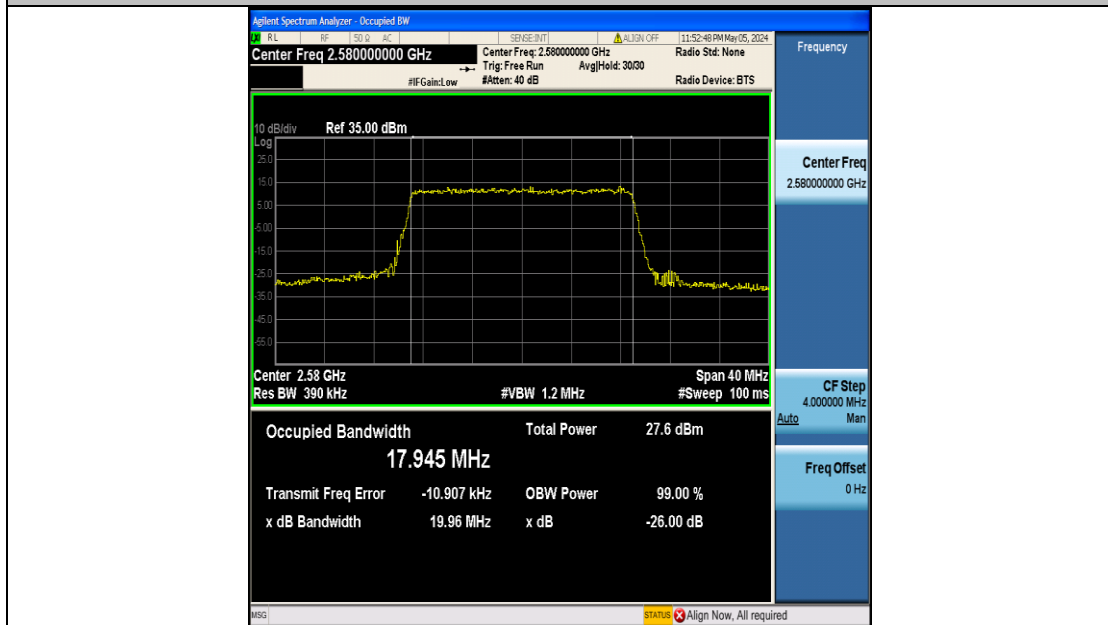
Band38-20MHz-QPSK-37850-100RB#0-PASS



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



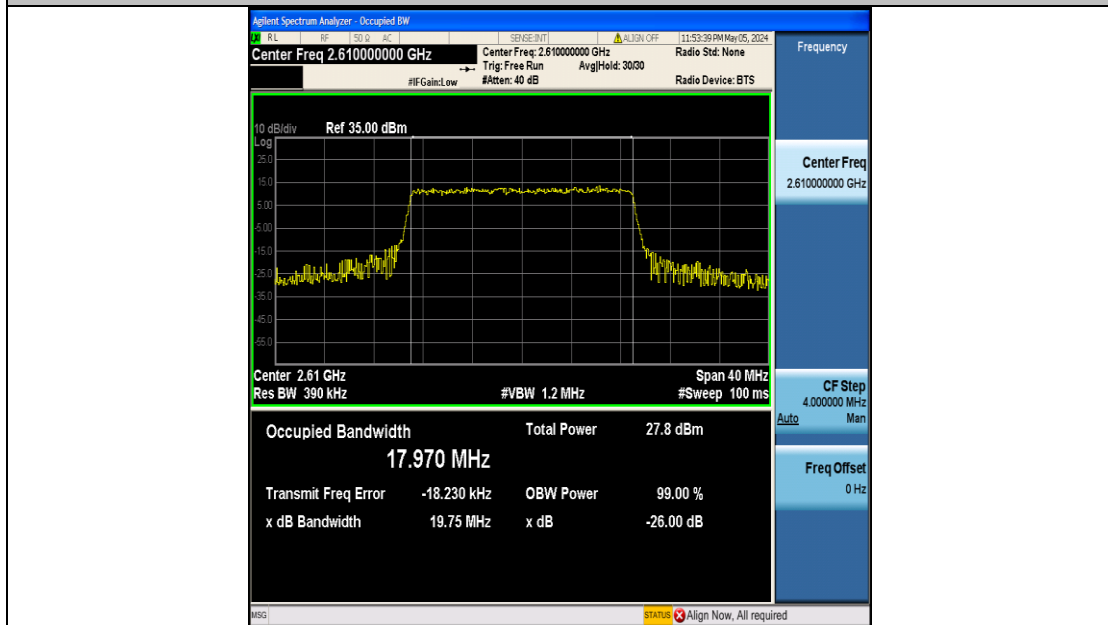
Band38-20MHz-QPSK-38150-100RB#0-PASS



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



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



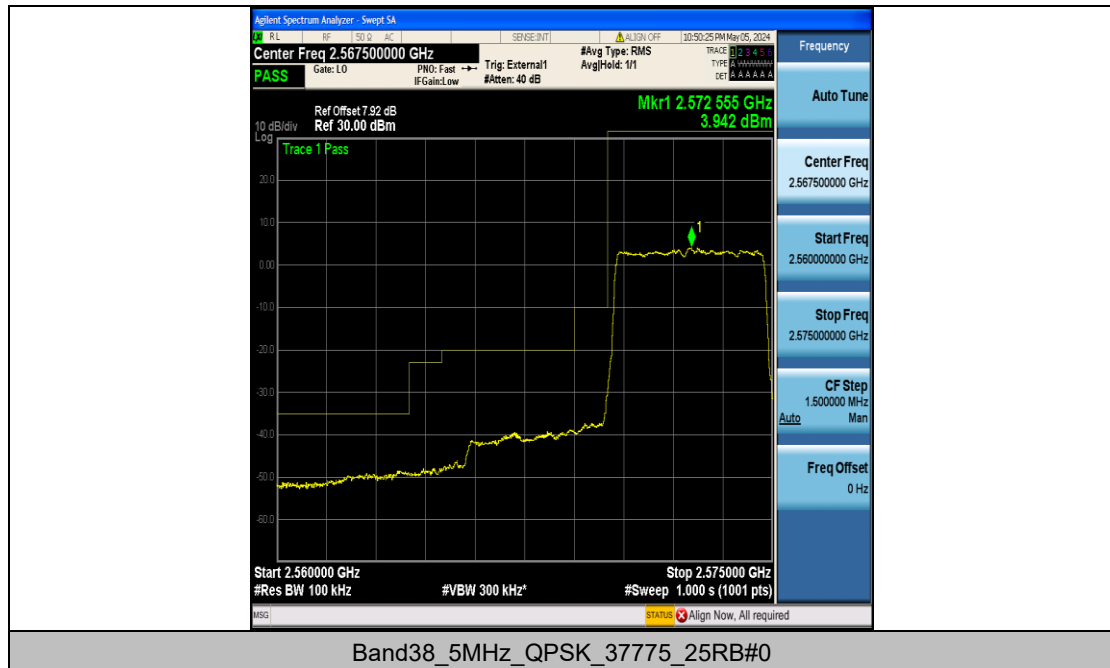
Band38-20MHz-16QAM-38150-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-48.50	PASS
Band38	5MHz	QPSK	38225	25RB#0	-48.45	PASS
Band38	5MHz	16QAM	37775	25RB#0	-49.01	PASS
Band38	5MHz	16QAM	38225	25RB#0	-48.89	PASS
Band38	10MHz	QPSK	37800	50RB#0	-46.75	PASS
Band38	10MHz	QPSK	38200	50RB#0	-46.21	PASS
Band38	10MHz	16QAM	37800	50RB#0	-46.47	PASS
Band38	10MHz	16QAM	38200	50RB#0	-45.69	PASS
Band38	15MHz	QPSK	37825	75RB#0	-44.33	PASS
Band38	15MHz	QPSK	38175	75RB#0	-44.16	PASS
Band38	15MHz	16QAM	37825	75RB#0	-44.58	PASS
Band38	15MHz	16QAM	38175	75RB#0	-44.36	PASS
Band38	20MHz	QPSK	37850	100RB#0	-44.50	PASS
Band38	20MHz	QPSK	38150	100RB#0	-44.23	PASS
Band38	20MHz	16QAM	37850	100RB#0	-44.76	PASS
Band38	20MHz	16QAM	38150	100RB#0	-44.39	PASS

Test Graphs

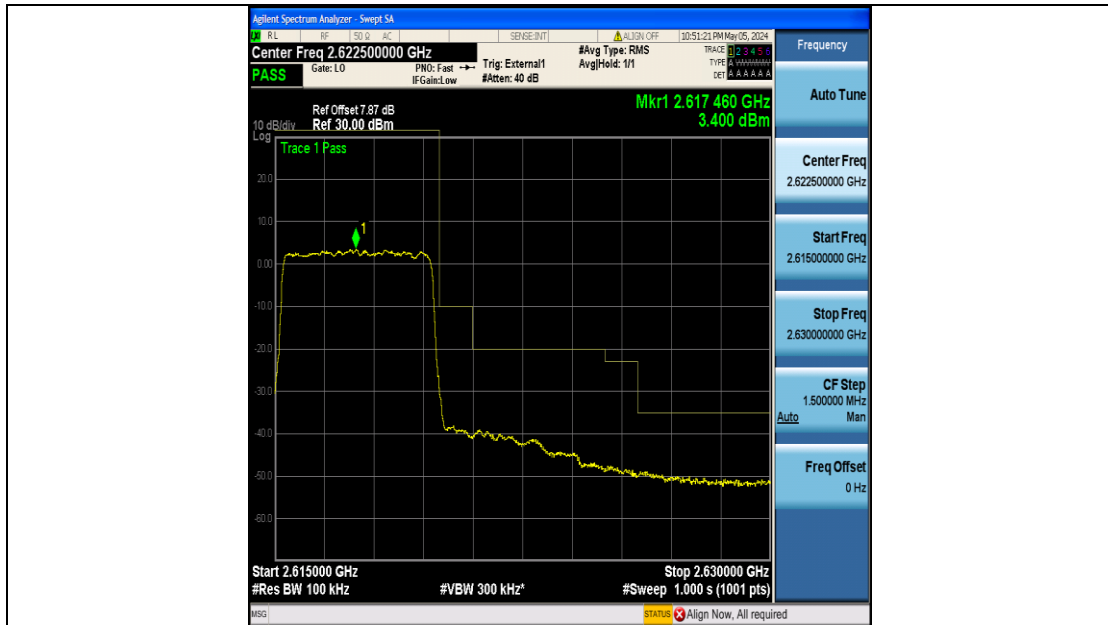




Band38_5MHz_QPSK_38225_25RB#0



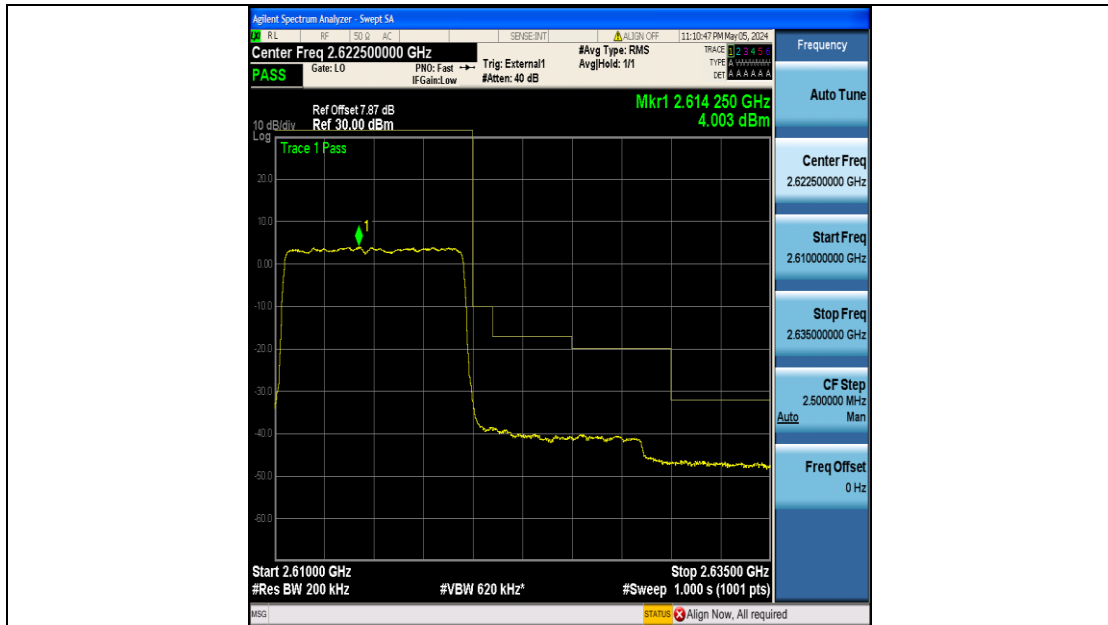
Band38_5MHz_16QAM_37775_25RB#0



Band38_5MHz_16QAM_38225_25RB#0



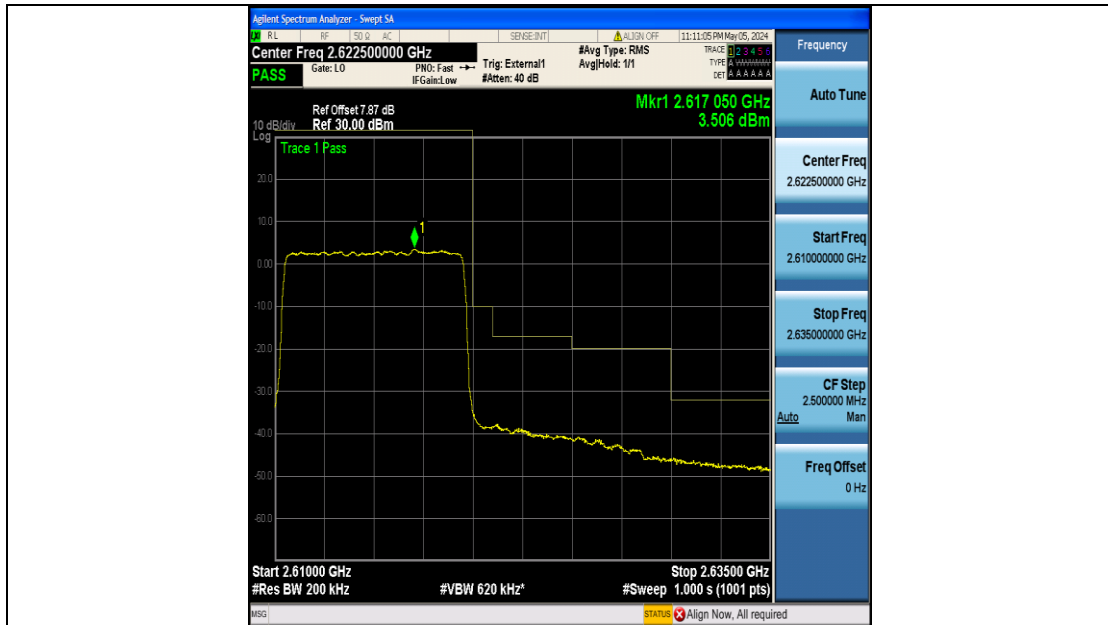
Band38_10MHz_QPSK_37800_50RB#0



Band38_10MHz_QPSK_38200_50RB#0



Band38_10MHz_16QAM_37800_50RB#0



Band38_10MHz_16QAM_38200_50RB#0



Band38_15MHz_QPSK_37825_75RB#0



Band38_15MHz_QPSK_38175_75RB#0



Band38_15MHz_16QAM_37825_75RB#0



Band38_15MHz_16QAM_38175_75RB#0



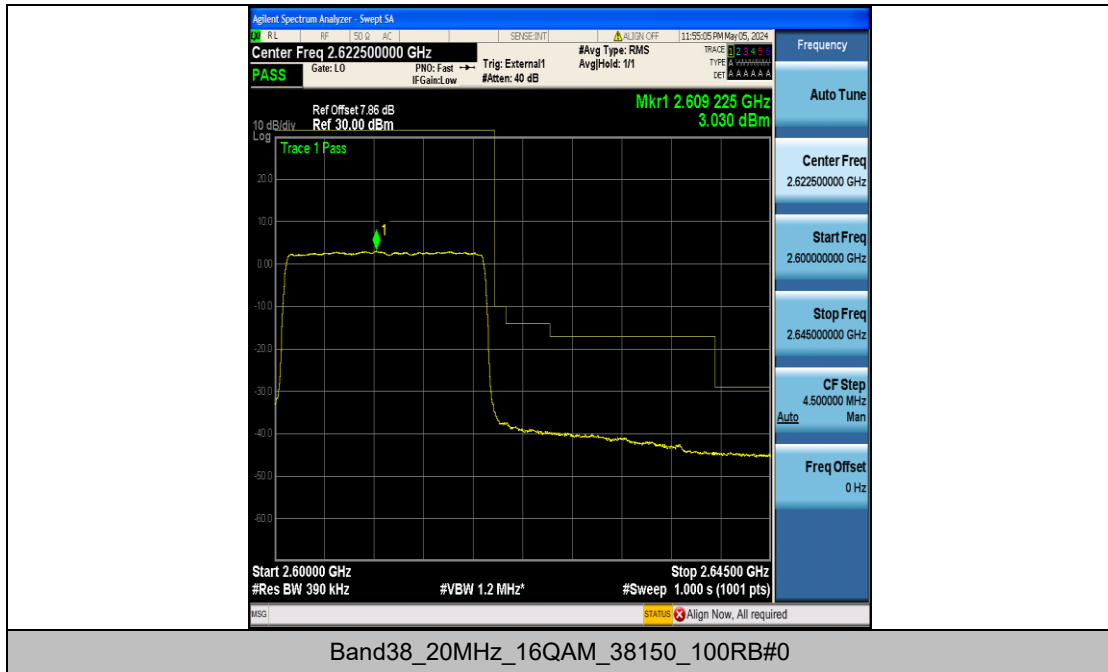
Band38_20MHz_QPSK_37850_100RB#0



Band38_20MHz_QPSK_38150_100RB#0



Band38_20MHz_16QAM_37850_100RB#0



Appendix E: Conducted Spurious Emission

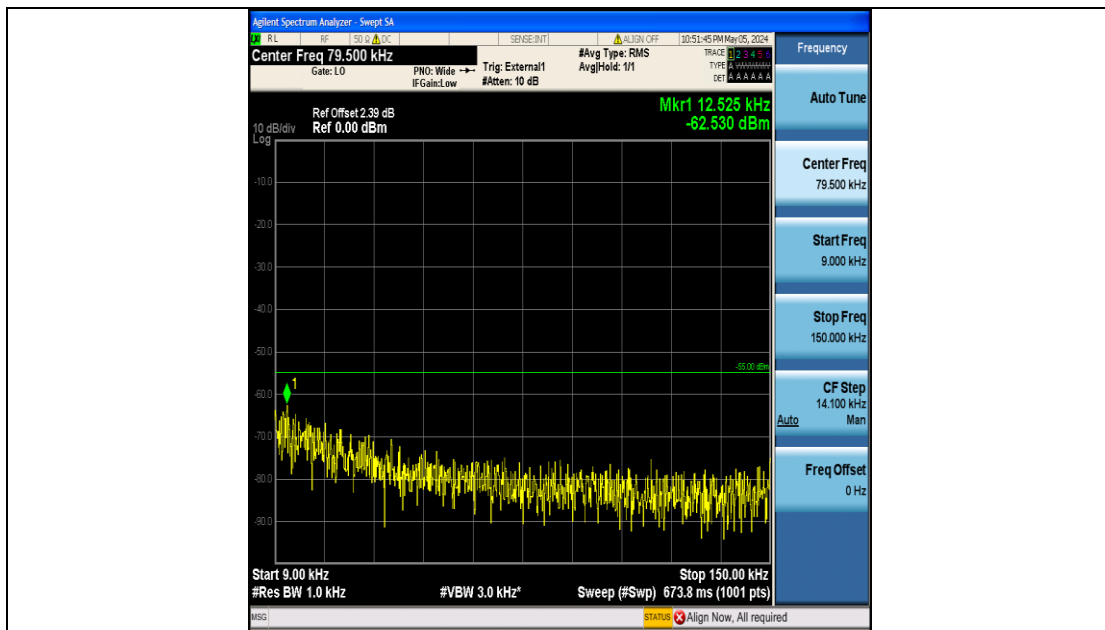
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-62.53	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-63.84	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-64.37	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~20000	-34.40	PASS
Band38	5MHz	QPSK	37775	25RB#0	20000~27000	-27.77	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-67.97	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-64.67	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-64.62	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~20000	-34.42	PASS
Band38	5MHz	QPSK	38000	25RB#0	20000~27000	-27.81	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-65.54	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-64.48	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-64.40	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~20000	-34.12	PASS
Band38	5MHz	QPSK	38225	25RB#0	20000~27000	-27.30	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-61.39	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-61.94	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-64.42	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~20000	-34.35	PASS
Band38	5MHz	16QAM	37775	25RB#0	20000~27000	-27.82	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-67.52	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-64.20	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-64.60	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~20000	-33.39	PASS
Band38	5MHz	16QAM	38000	25RB#0	20000~27000	-27.74	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-67.53	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-65.10	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-64.46	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~20000	-34.16	PASS
Band38	5MHz	16QAM	38225	25RB#0	20000~27000	-27.85	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-67.45	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-63.05	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-64.14	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~20000	-33.97	PASS
Band38	10MHz	QPSK	37800	50RB#0	20000~27000	-27.78	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-67.90	PASS

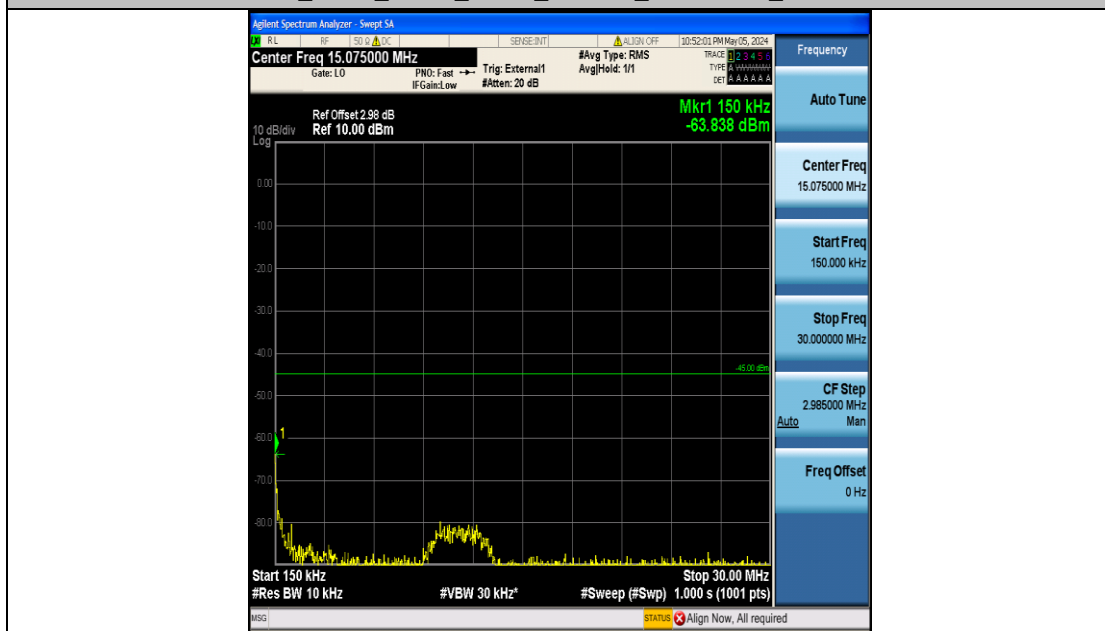
Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-64.77	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-64.55	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~20000	-33.89	PASS
Band38	10MHz	QPSK	38000	50RB#0	20000~27000	-27.67	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-68.15	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-64.99	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-64.26	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~20000	-34.12	PASS
Band38	10MHz	QPSK	38200	50RB#0	20000~27000	-27.64	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-66.84	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-65.50	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-64.24	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~20000	-34.06	PASS
Band38	10MHz	16QAM	37800	50RB#0	20000~27000	-27.78	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-68.09	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-64.55	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-64.79	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~20000	-34.01	PASS
Band38	10MHz	16QAM	38000	50RB#0	20000~27000	-27.61	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-66.29	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-64.83	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-64.66	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~20000	-34.39	PASS
Band38	10MHz	16QAM	38200	50RB#0	20000~27000	-27.56	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-67.61	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-62.53	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-64.59	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~20000	-34.12	PASS
Band38	15MHz	QPSK	37825	75RB#0	20000~27000	-27.56	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-66.89	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-64.67	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-64.41	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~20000	-33.62	PASS
Band38	15MHz	QPSK	38000	75RB#0	20000~27000	-27.87	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-66.67	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-66.29	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-64.21	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~20000	-34.18	PASS
Band38	15MHz	QPSK	38175	75RB#0	20000~27000	-27.68	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-66.25	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-65.10	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-64.46	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~20000	-33.99	PASS

Band38	15MHz	16QAM	37825	75RB#0	20000~27000	-27.91	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-66.59	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-64.22	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-64.57	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~20000	-34.24	PASS
Band38	15MHz	16QAM	38000	75RB#0	20000~27000	-27.71	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-67.72	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-67.08	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-64.61	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~20000	-34.28	PASS
Band38	15MHz	16QAM	38175	75RB#0	20000~27000	-27.89	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-67.85	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-64.29	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-64.65	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~20000	-34.26	PASS
Band38	20MHz	QPSK	37850	100RB#0	20000~27000	-27.52	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-66.81	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-66.23	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-64.52	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~20000	-33.98	PASS
Band38	20MHz	QPSK	38000	100RB#0	20000~27000	-27.97	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-67.36	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-65.78	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-64.49	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~20000	-34.21	PASS
Band38	20MHz	QPSK	38150	100RB#0	20000~27000	-27.88	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-67.78	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-65.33	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-64.49	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~20000	-33.97	PASS
Band38	20MHz	16QAM	37850	100RB#0	20000~27000	-27.42	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-66.36	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-64.26	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-64.58	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~20000	-33.77	PASS
Band38	20MHz	16QAM	38000	100RB#0	20000~27000	-27.69	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-65.66	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-63.40	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-64.21	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~20000	-33.46	PASS
Band38	20MHz	16QAM	38150	100RB#0	20000~27000	-27.63	PASS

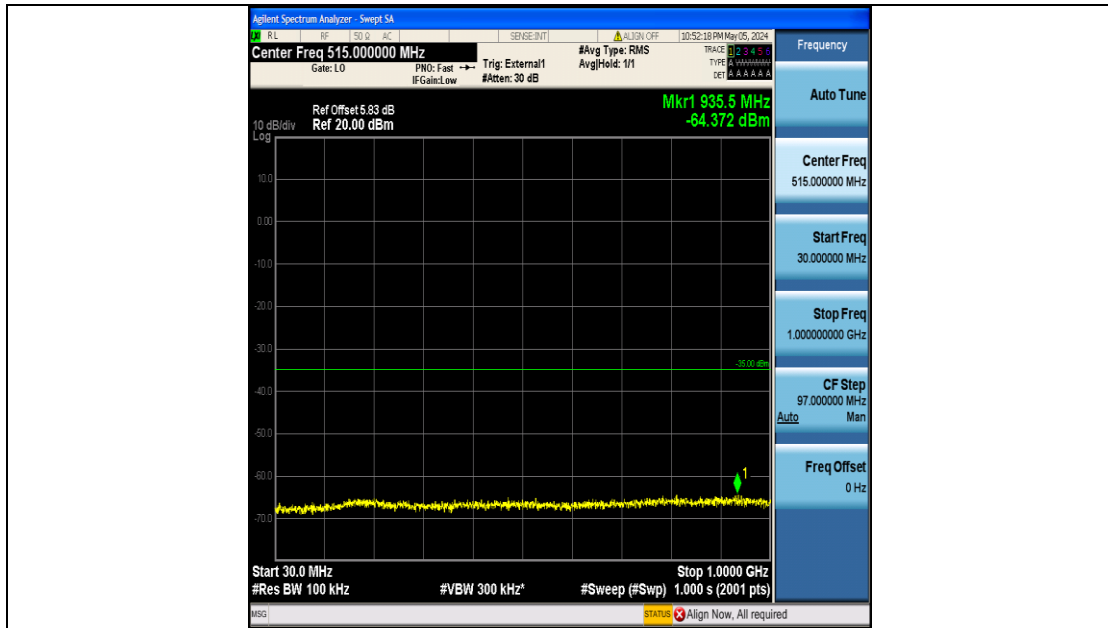
Test Graphs



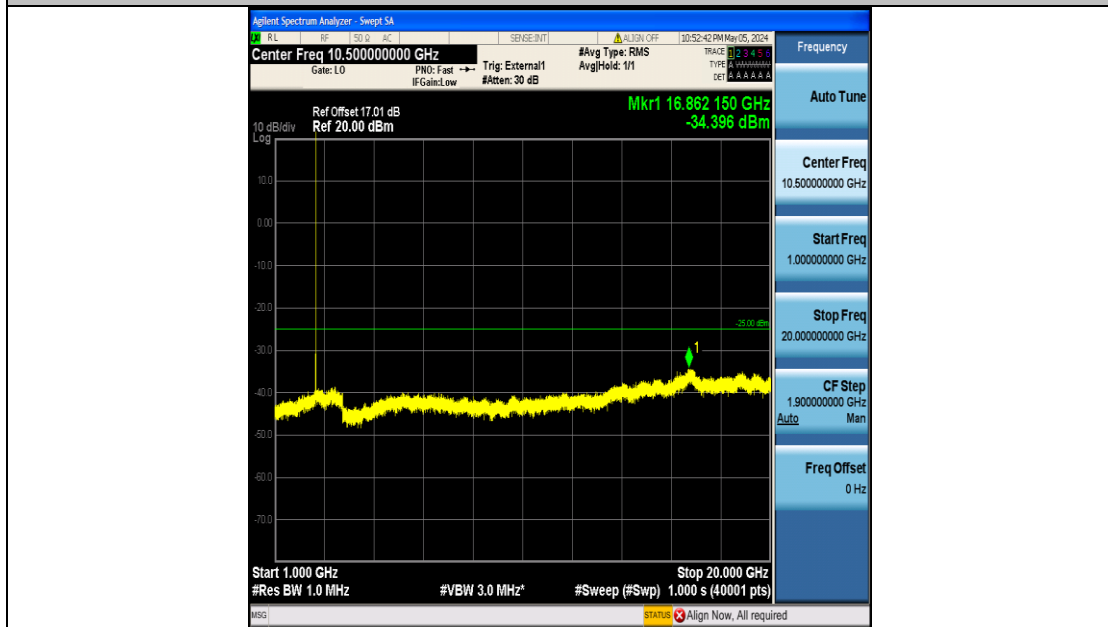
Band38_5MHz_QPSK_37775_25RB#0_0.009~0.15_0.009~0.15



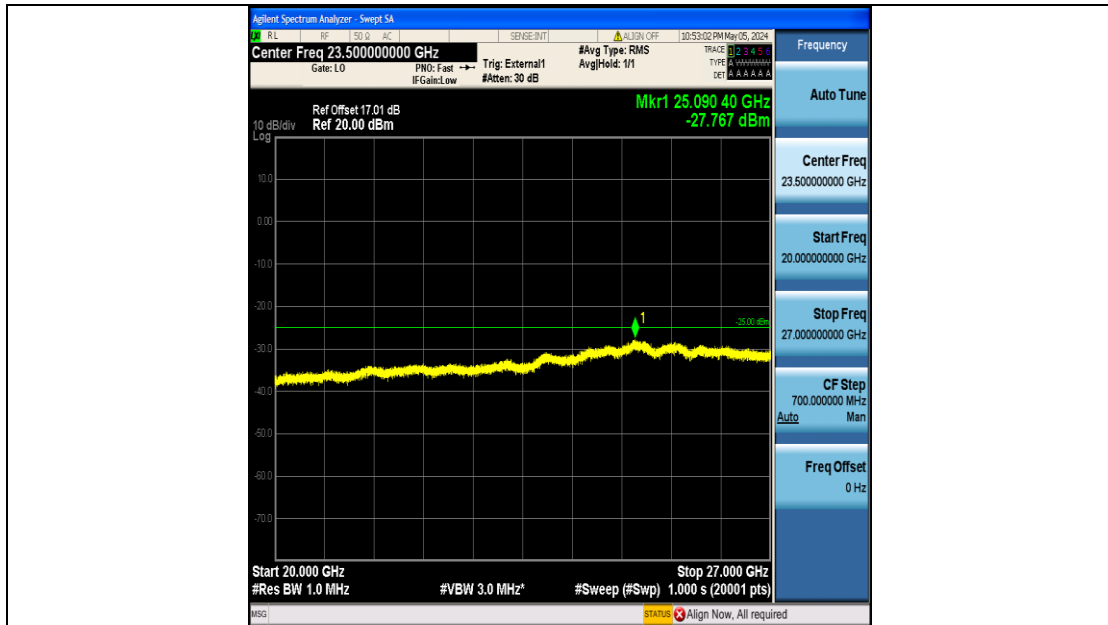
Band38_5MHz_QPSK_37775_25RB#0_0.15~30_0.15~30



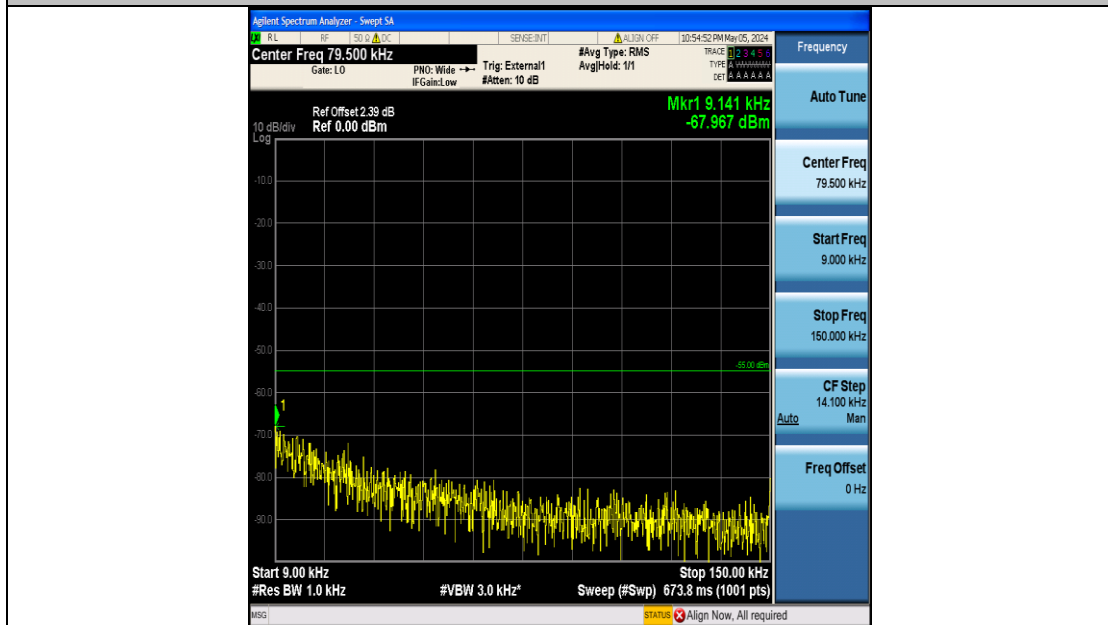
Band38_5MHz_QPSK_37775_25RB#0_30~1000_30~1000



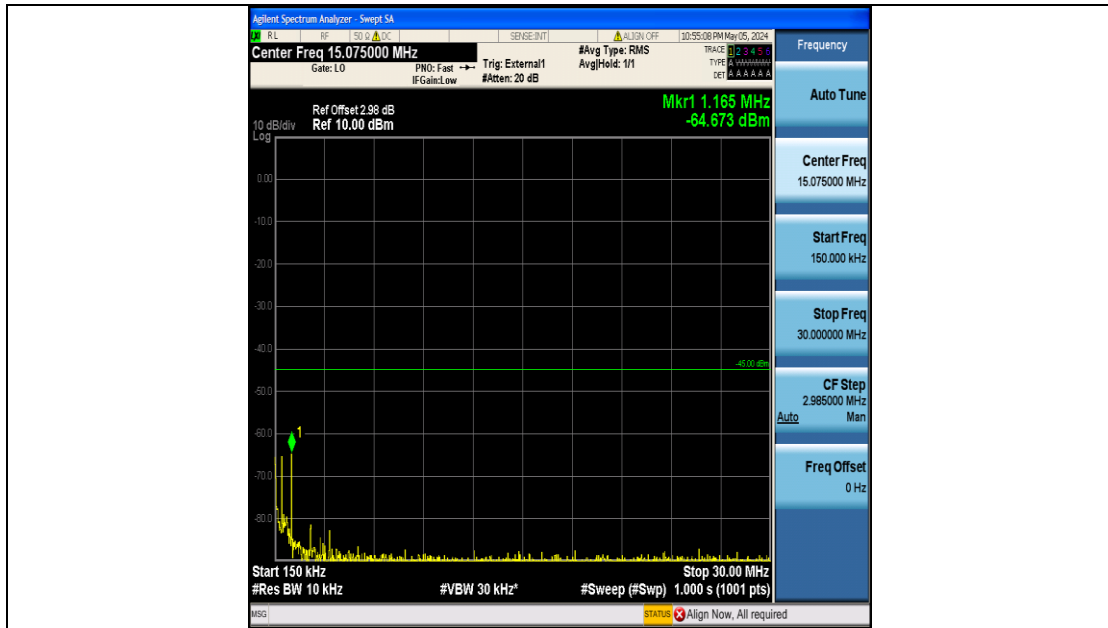
Band38_5MHz_QPSK_37775_25RB#0_1000~20000_1000~20000



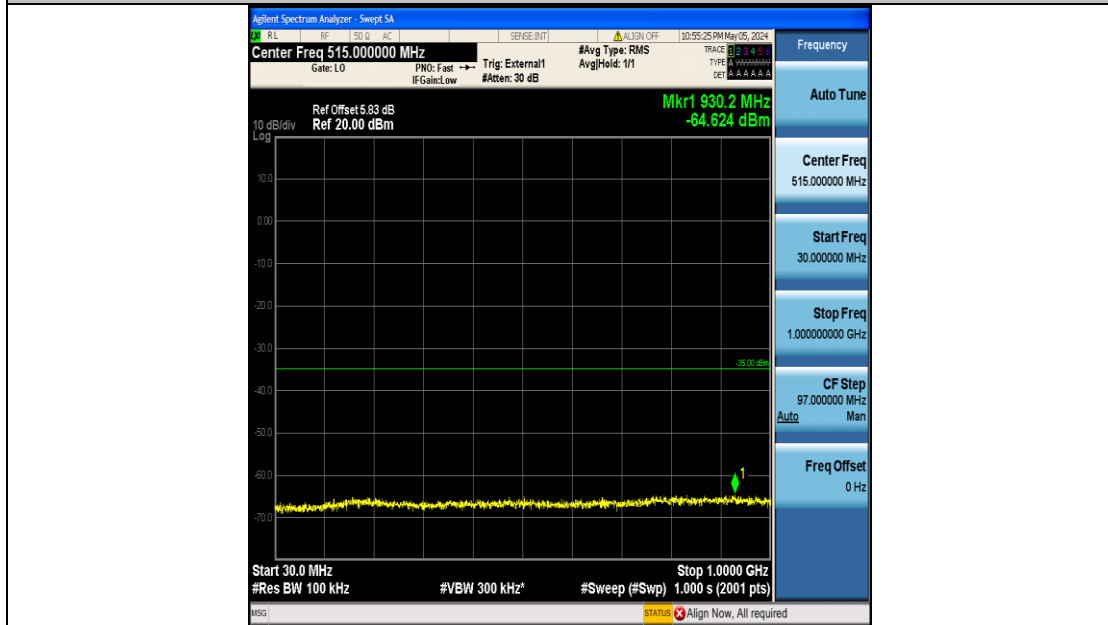
Band38_5MHz_QPSK_37775_25RB#0_2000~27000_2000~27000



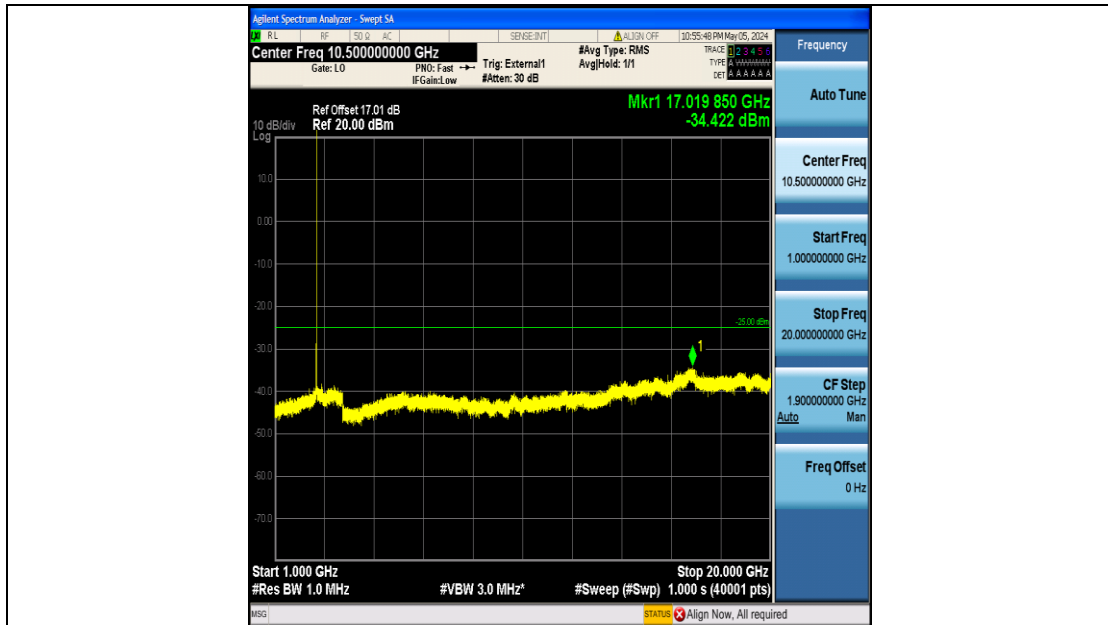
Band38_5MHz_QPSK_38000_25RB#0_0.009~0.15_0.009~0.15



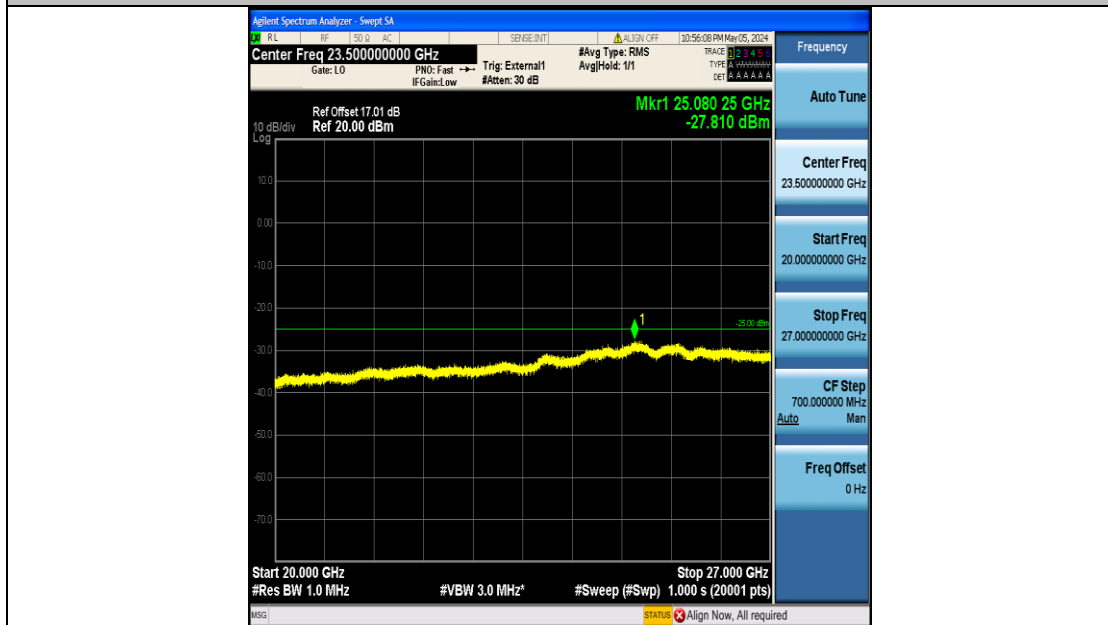
Band38_5MHz_QPSK_38000_25RB#0_0.15~30_0.15~30



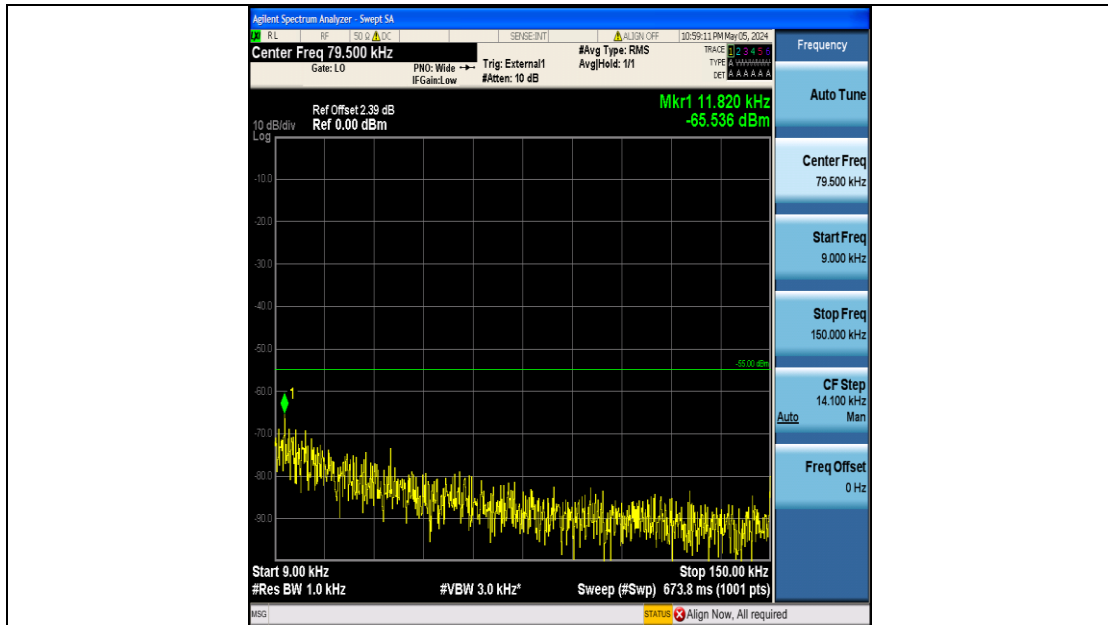
Band38_5MHz_QPSK_38000_25RB#0_30~1000_30~1000



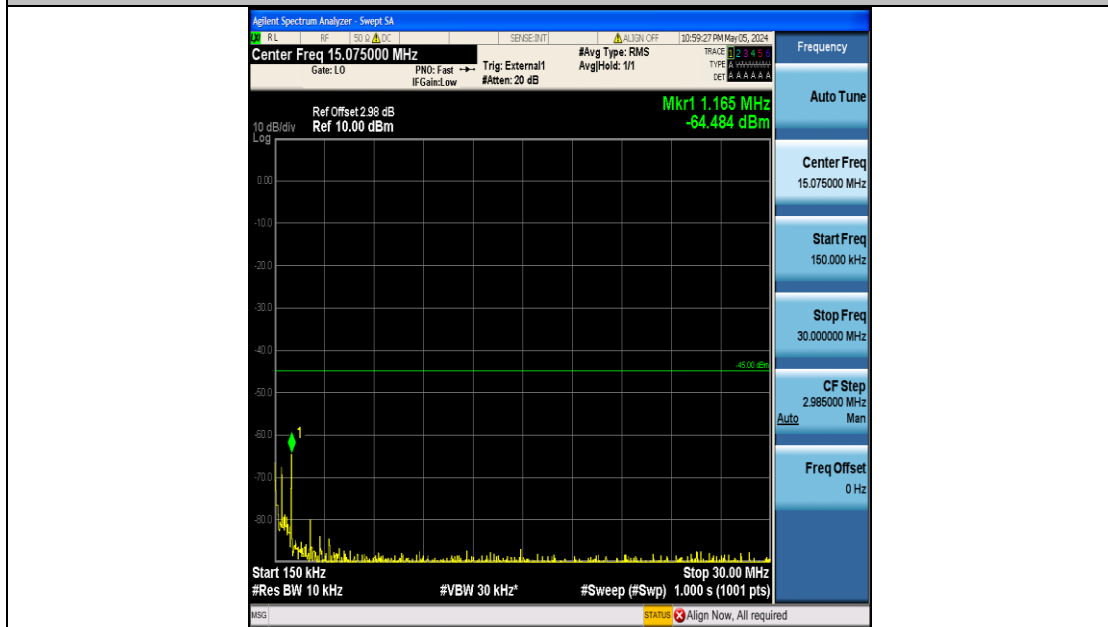
Band38_5MHz_QPSK_38000_25RB#0_1000~20000_1000~20000



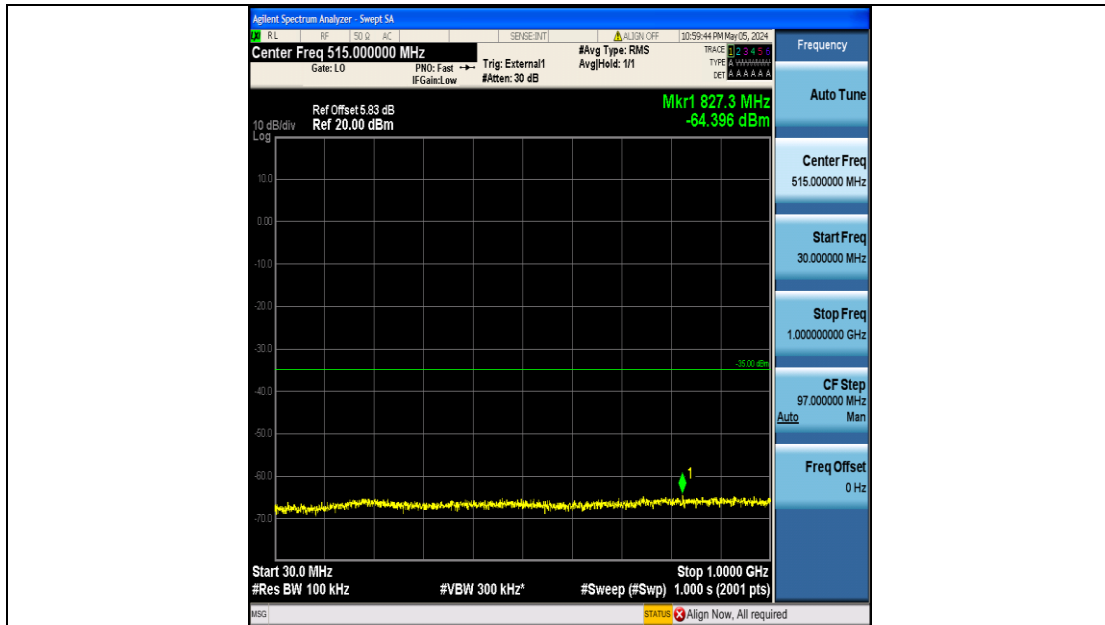
Band38_5MHz_QPSK_38000_25RB#0_20000~27000_20000~27000



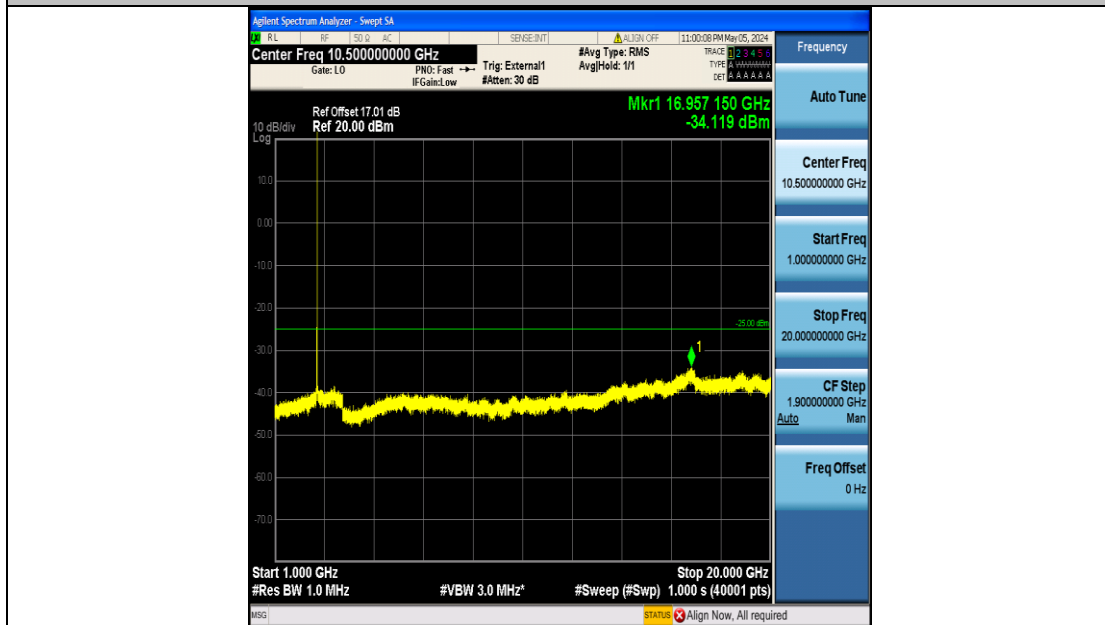
Band38_5MHz_QPSK_38225_25RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_QPSK_38225_25RB#0_0.15~30_0.15~30



Band38_5MHz_QPSK_38225_25RB#0_30~1000_30~1000



Band38_5MHz_QPSK_38225_25RB#0_1000~20000_1000~20000