

FCC LTE Band Test Data

FCC ID : 2BFI8-TIQMINIM5

Company: : Jinan Ant Zhonglian Information Technology Co., Ltd.

EUT : TIQ mini M5

Model Number : TIQ mini M5

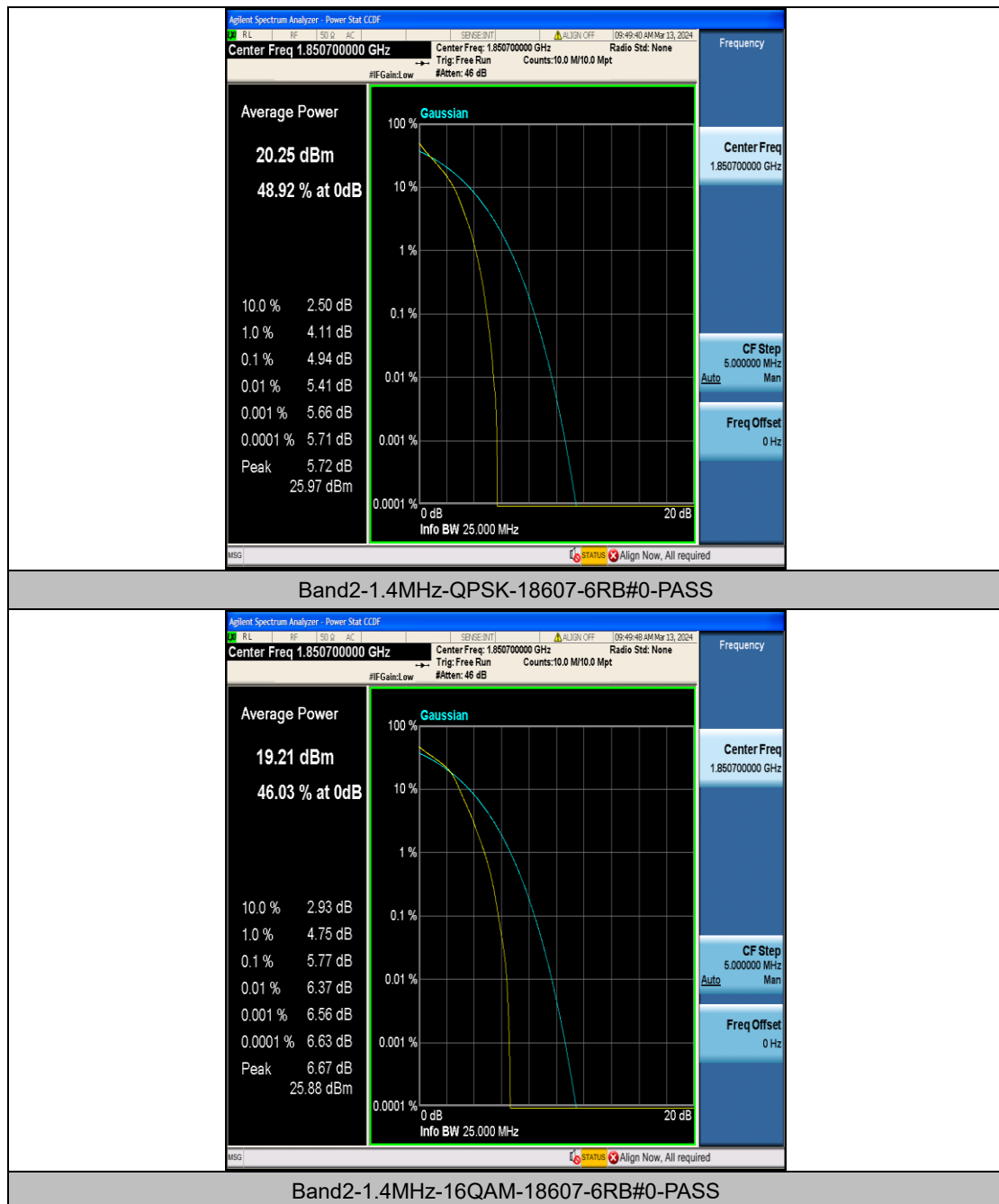
Reviewed By : Eric Wang

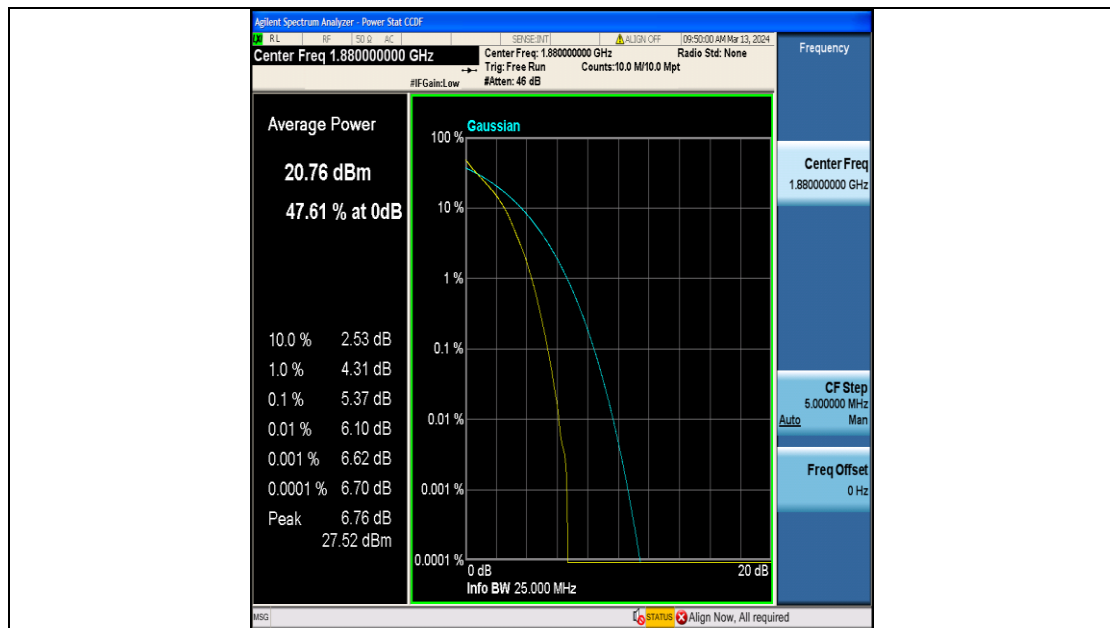
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

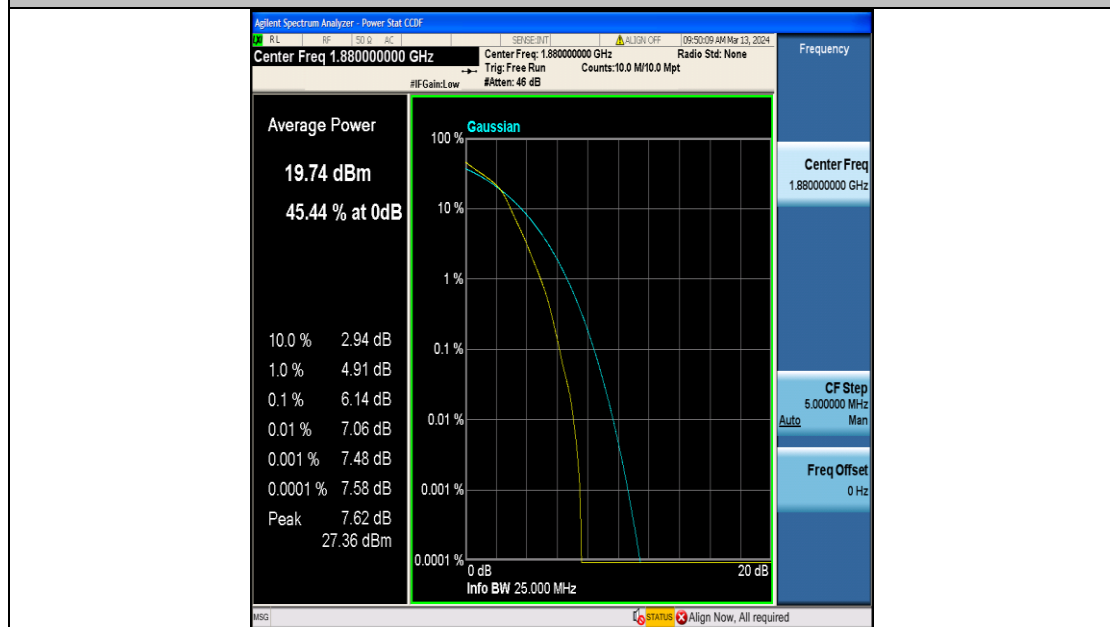
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	4.94	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.77	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.37	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.14	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.13	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.96	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.00	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.83	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.46	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.25	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.23	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.06	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.09	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.81	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.54	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.22	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.32	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.05	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.16	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.92	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.52	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.23	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.43	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.19	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.55	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.14	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.85	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.35	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.75	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.34	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.48	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.24	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.57	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.33	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.52	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.28	13	PASS

Test Graphs

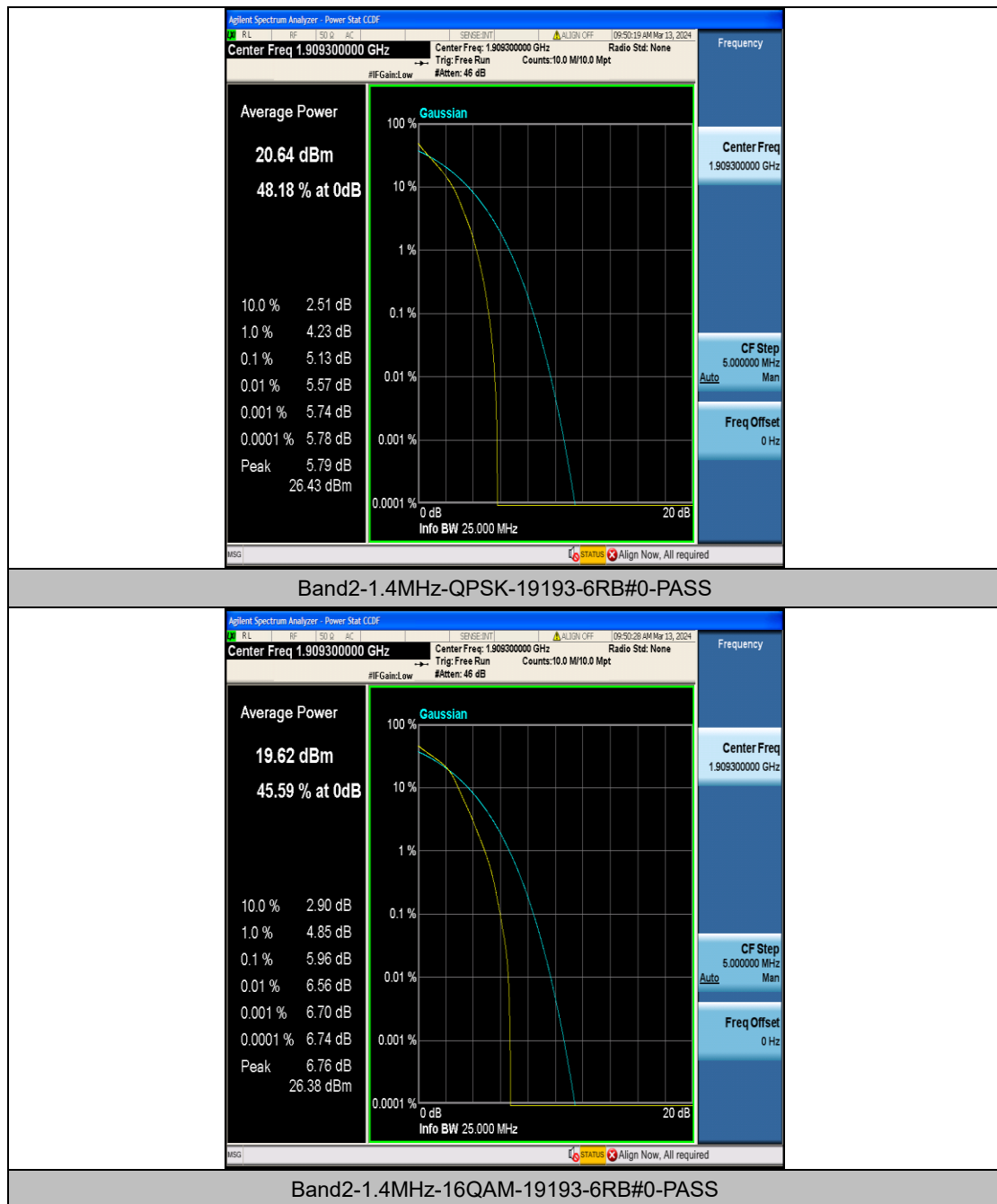


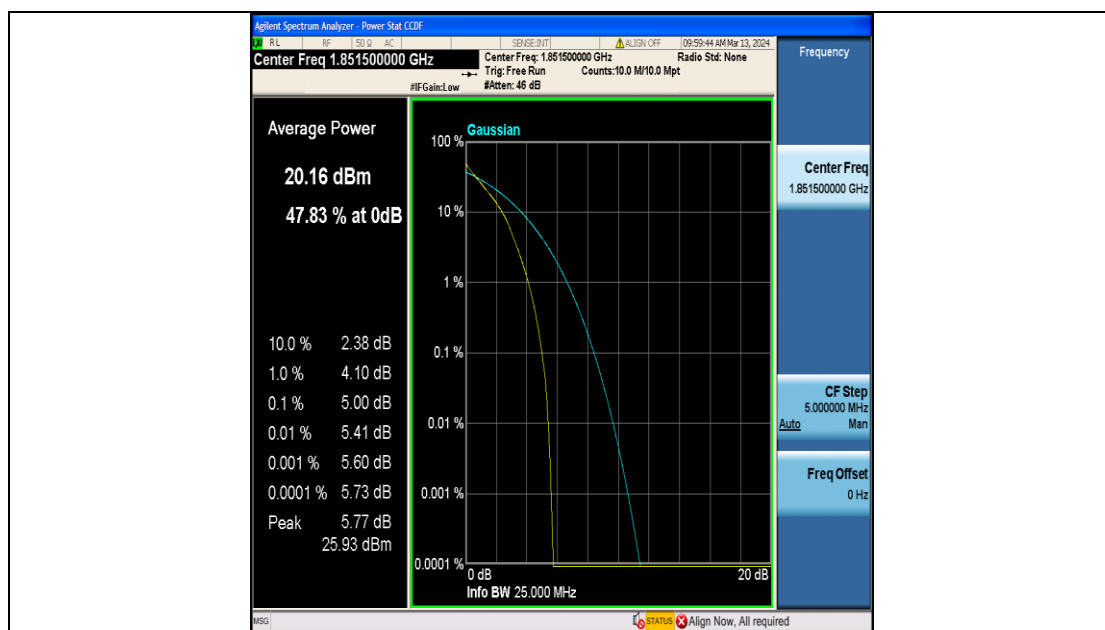


Band2-1.4MHz-QPSK-18900-6RB#0-PASS

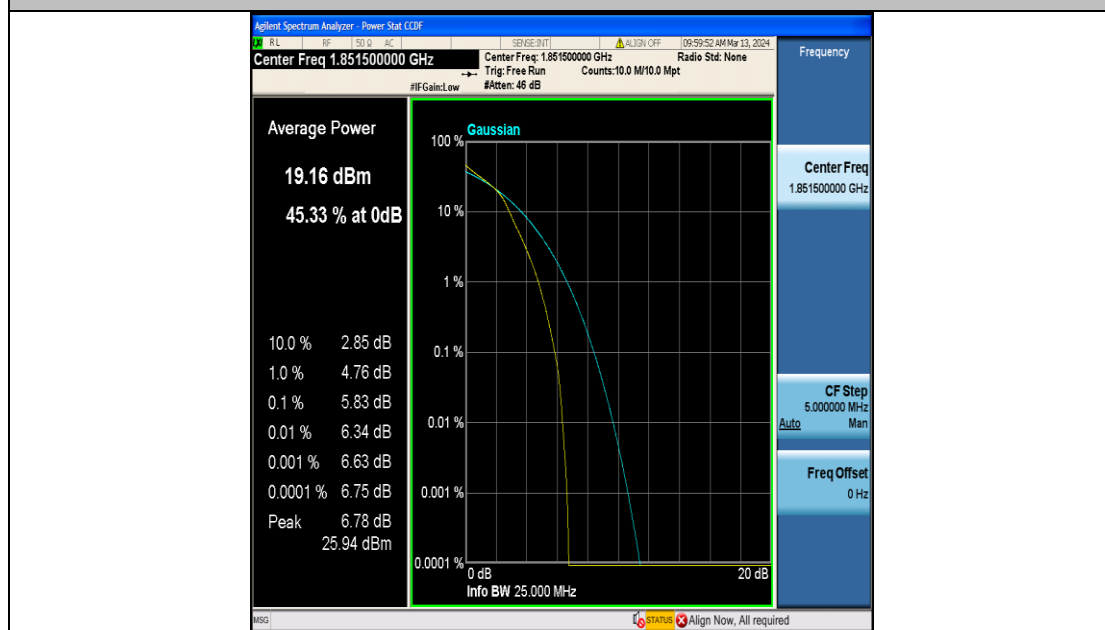


Band2-1.4MHz-16QAM-18900-6RB#0-PASS

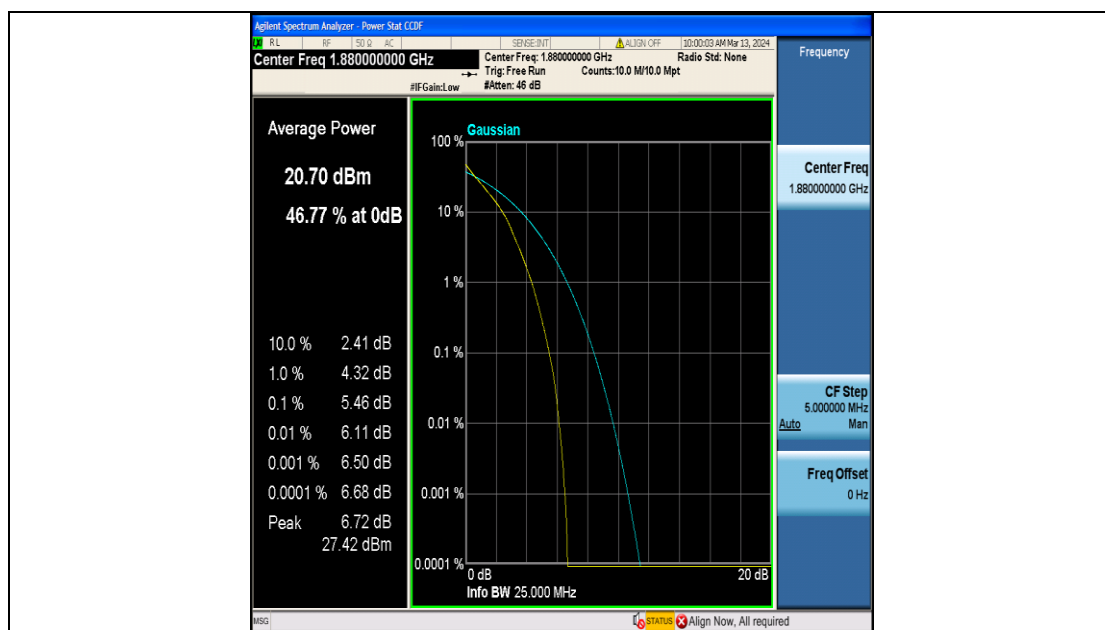




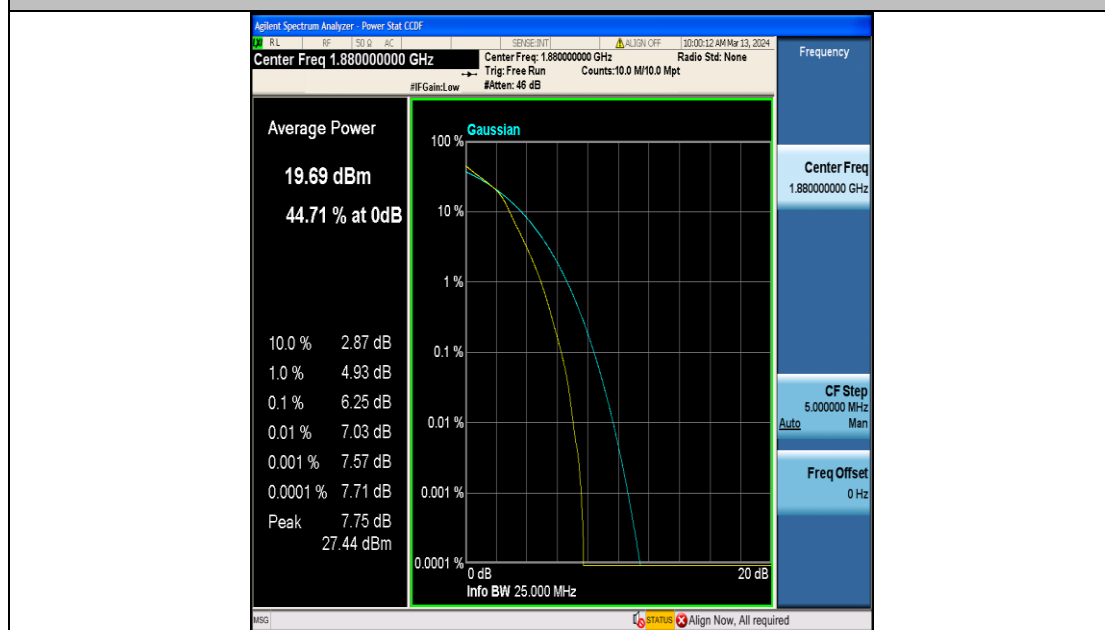
Band2-3MHz-QPSK-18615-15RB#0-PASS



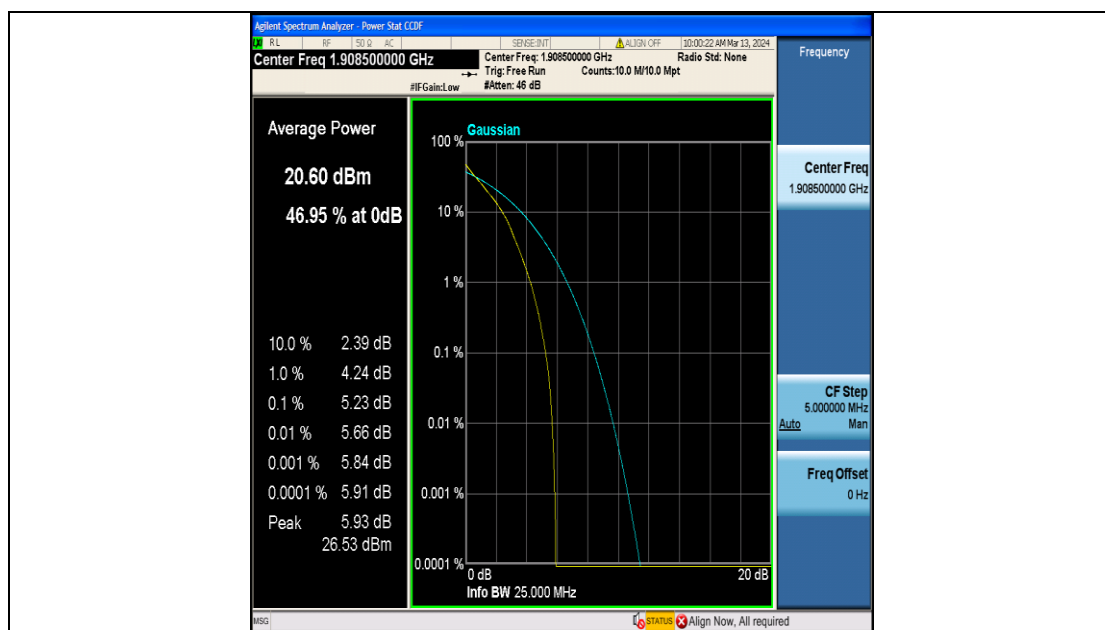
Band2-3MHz-16QAM-18615-15RB#0-PASS



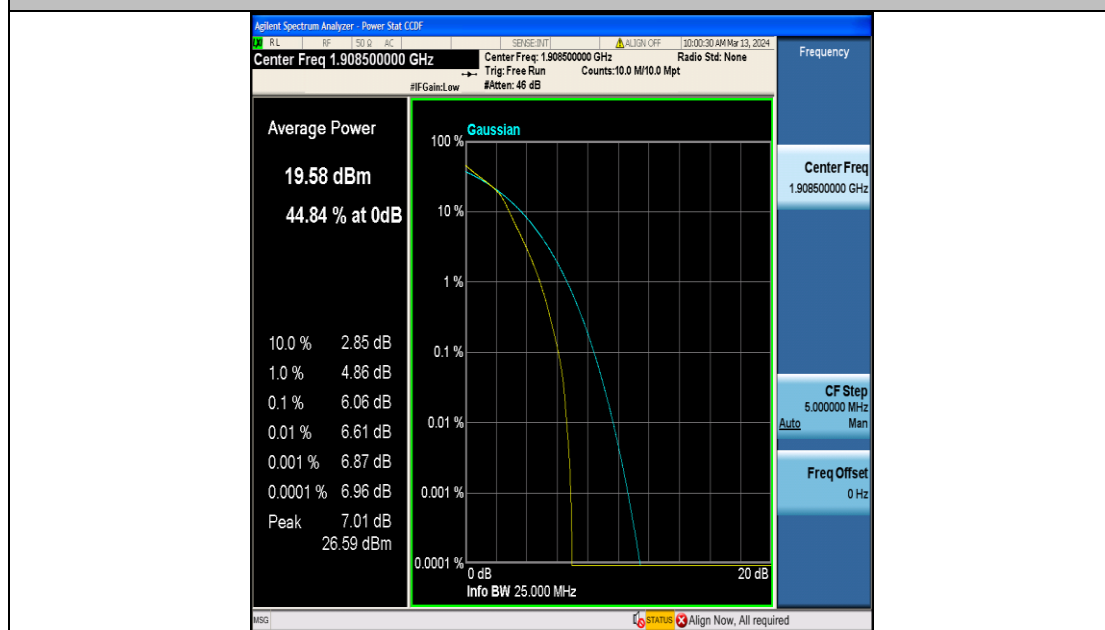
Band2-3MHz-QPSK-18900-15RB#0-PASS



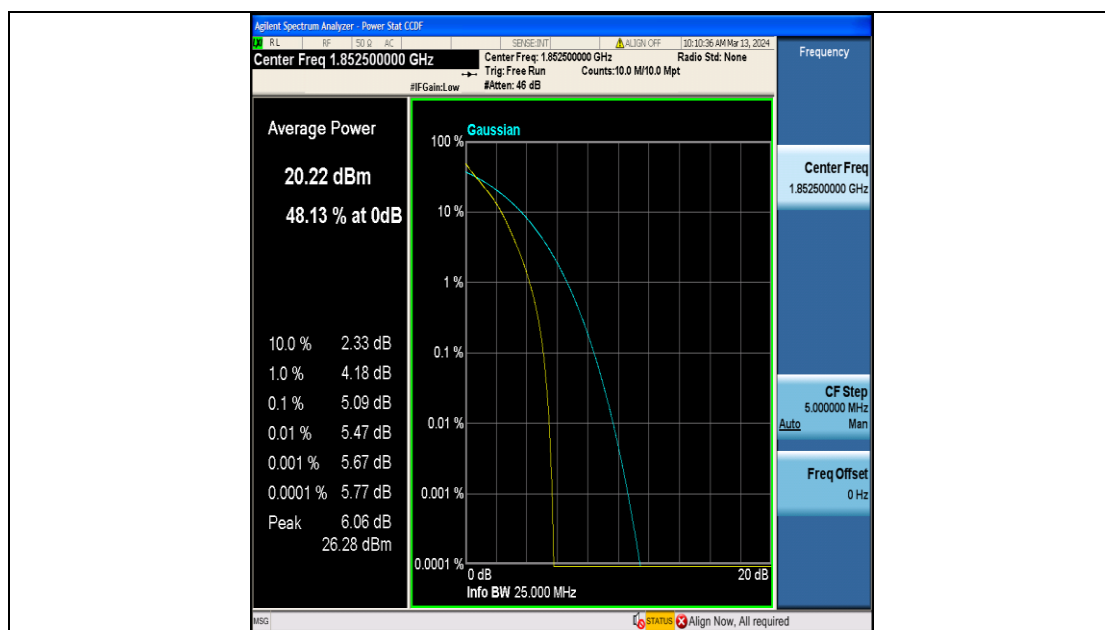
Band2-3MHz-16QAM-18900-15RB#0-PASS



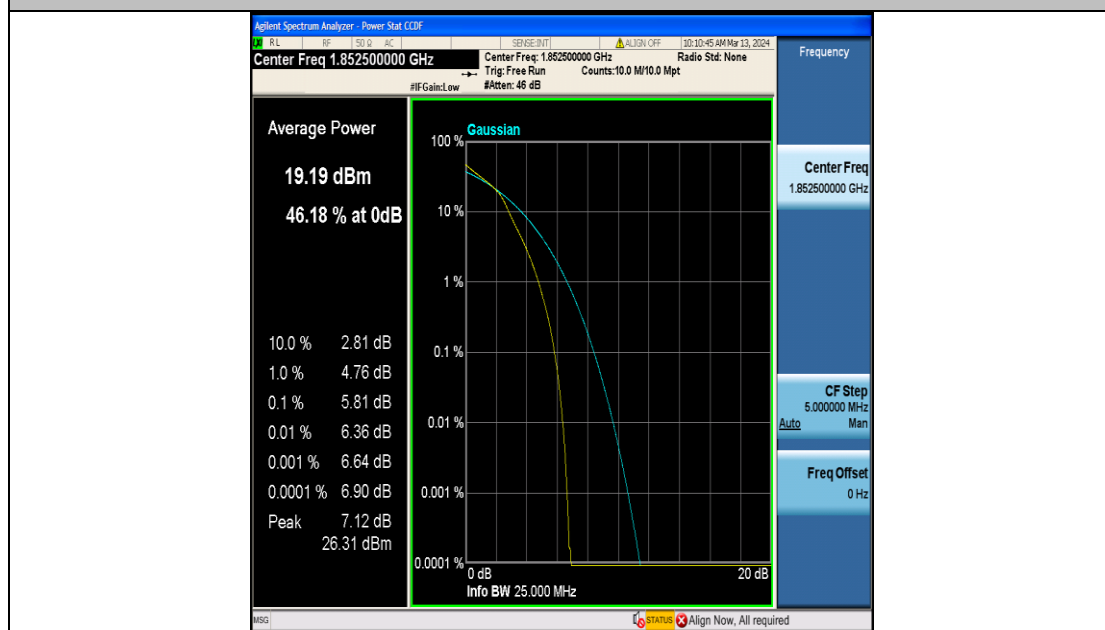
Band2-3MHz-QPSK-19185-15RB#0-PASS



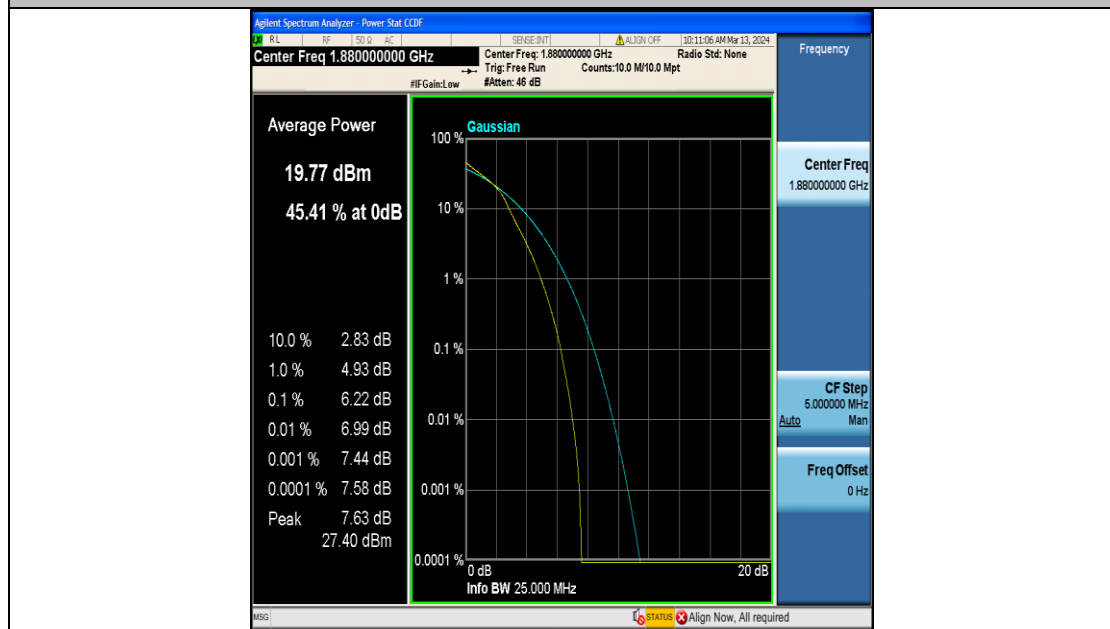
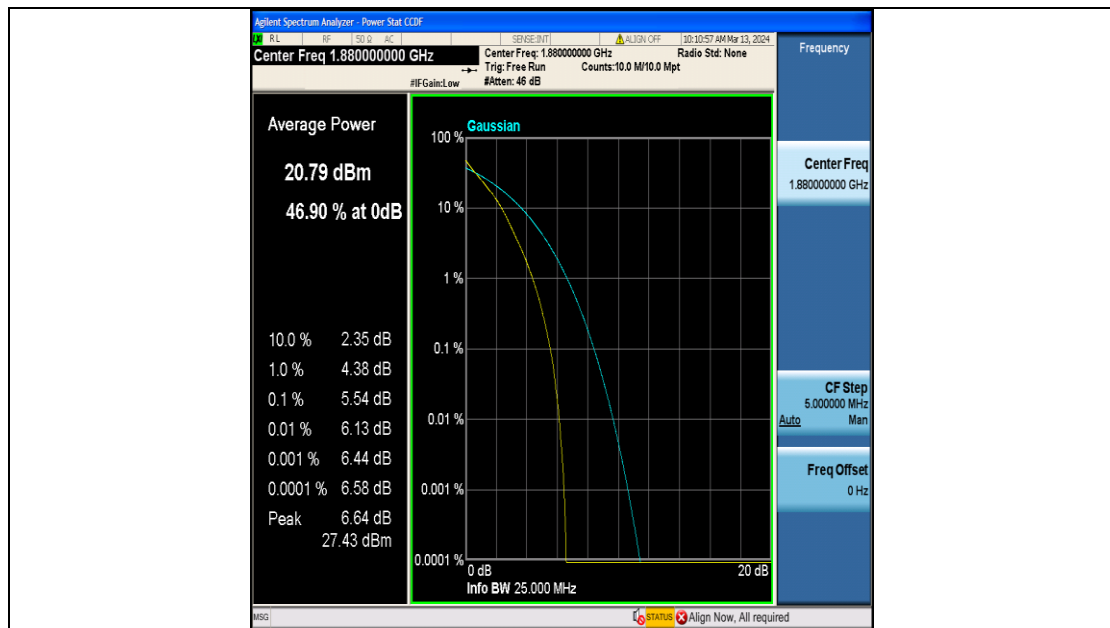
Band2-3MHz-16QAM-19185-15RB#0-PASS

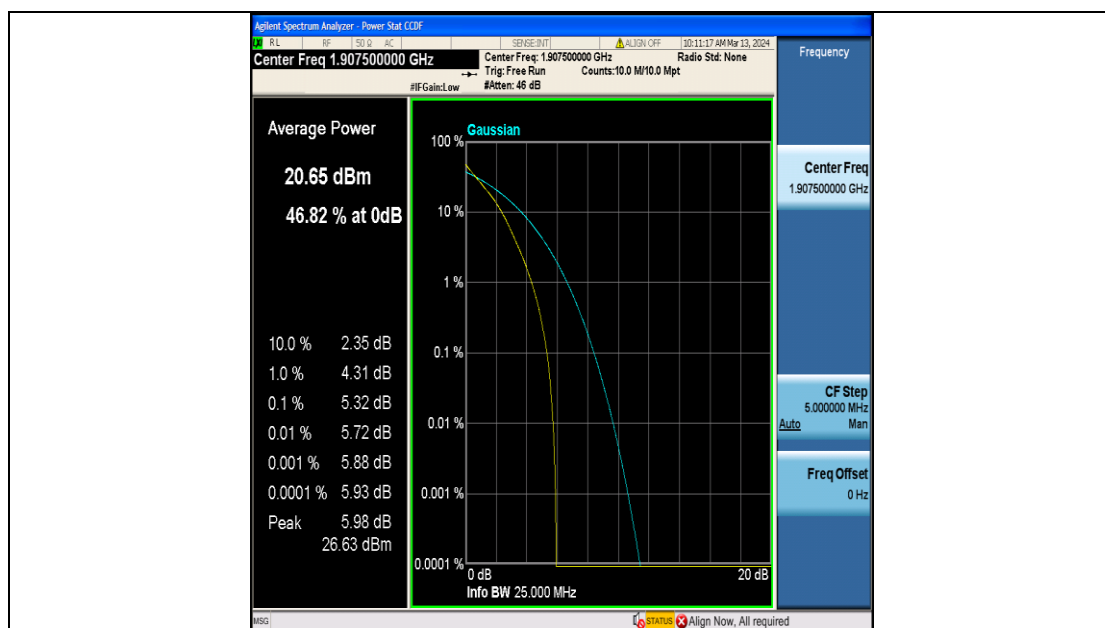


Band2-5MHz-QPSK-18625-25RB#0-PASS

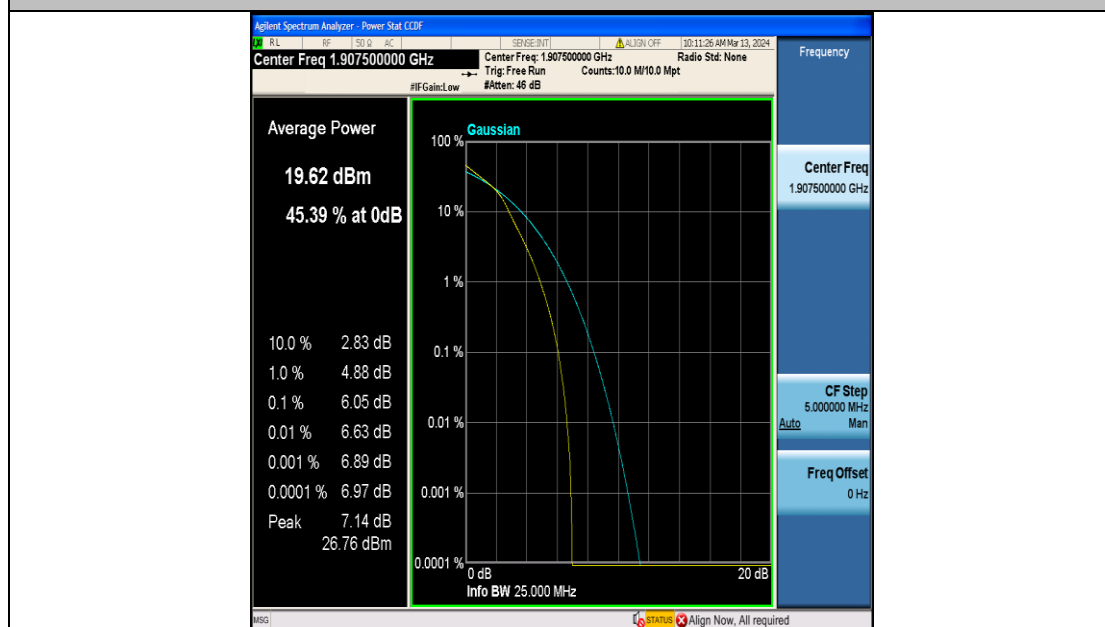


Band2-5MHz-16QAM-18625-25RB#0-PASS

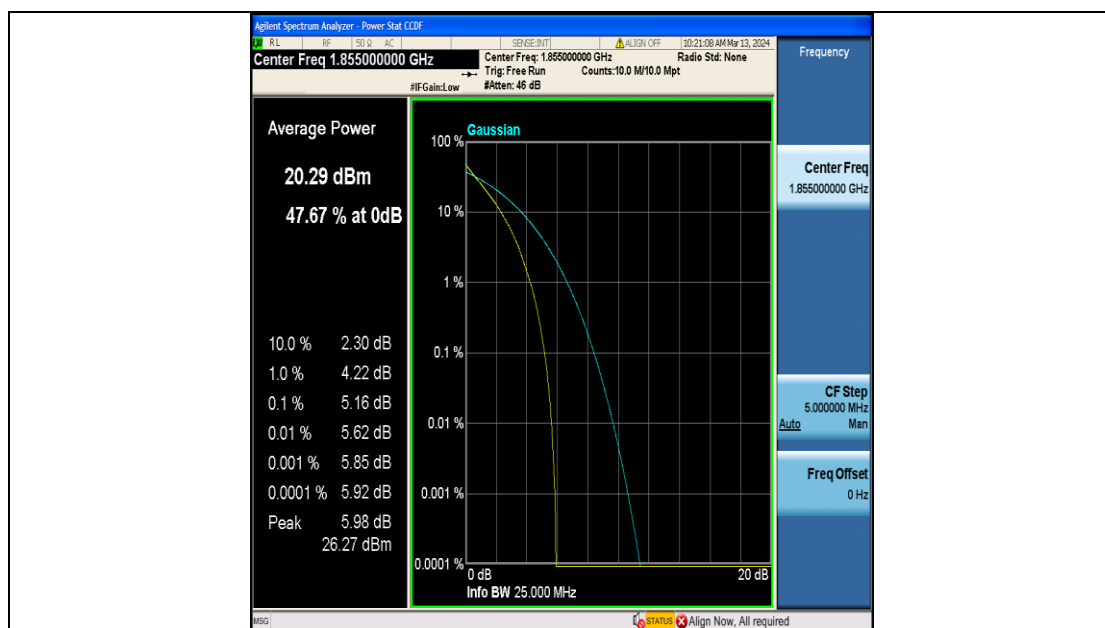




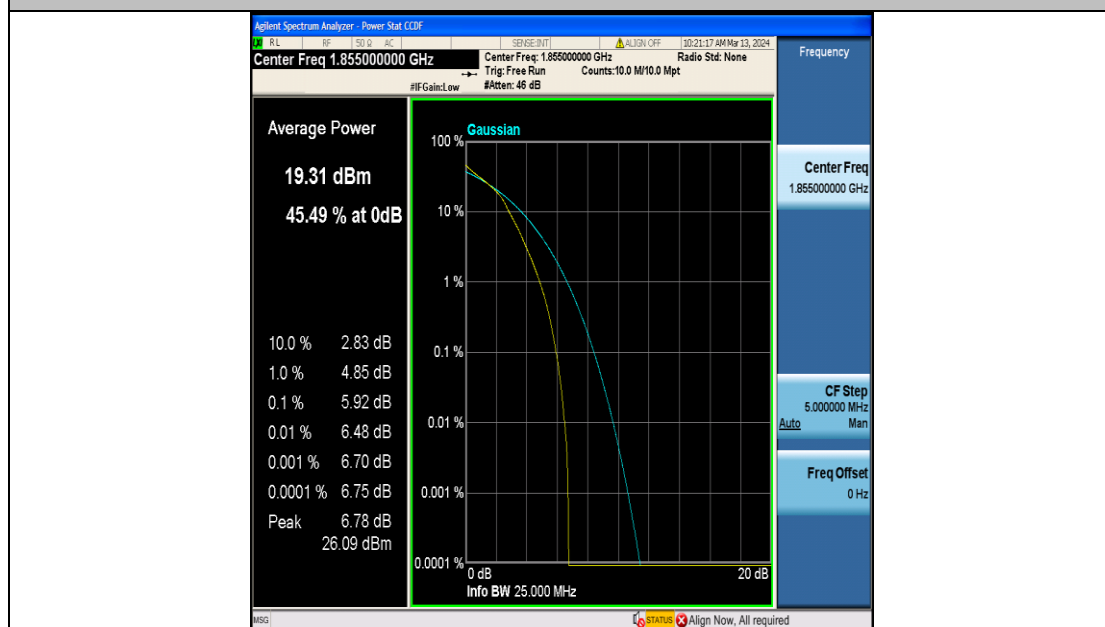
Band2-5MHz-QPSK-19175-25RB#0-PASS



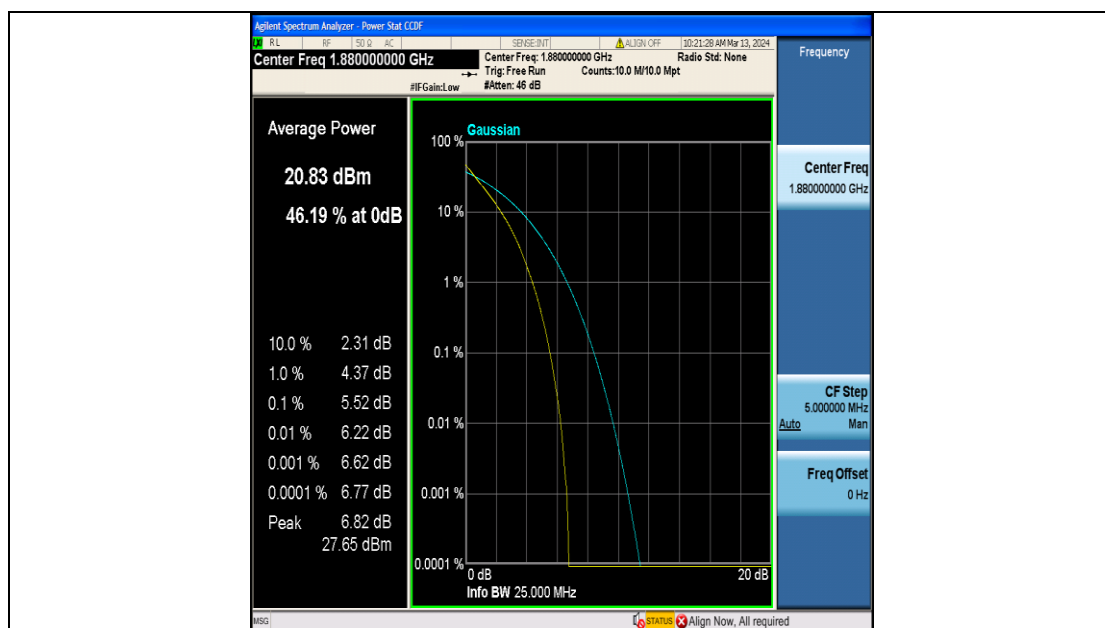
Band2-5MHz-16QAM-19175-25RB#0-PASS



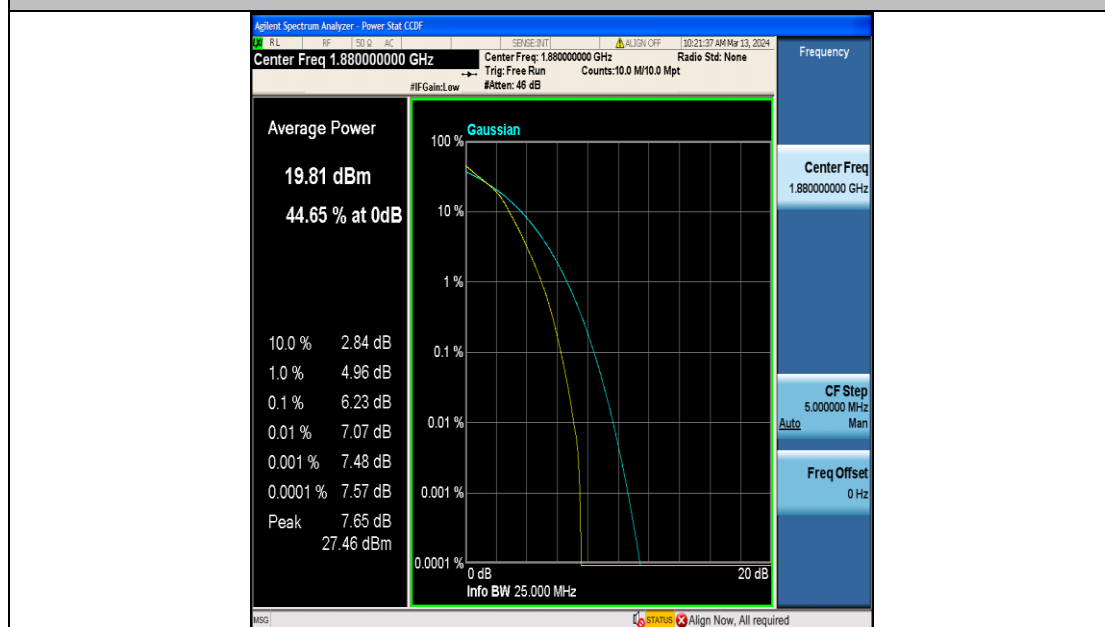
Band2-10MHz-QPSK-18650-50RB#0-PASS



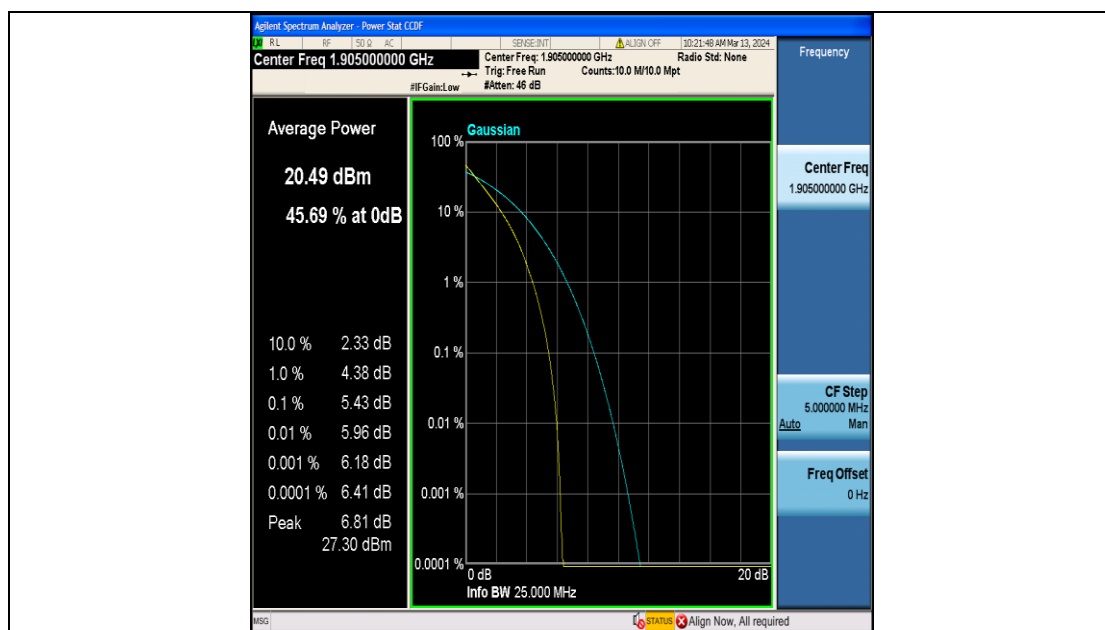
Band2-10MHz-16QAM-18650-50RB#0-PASS



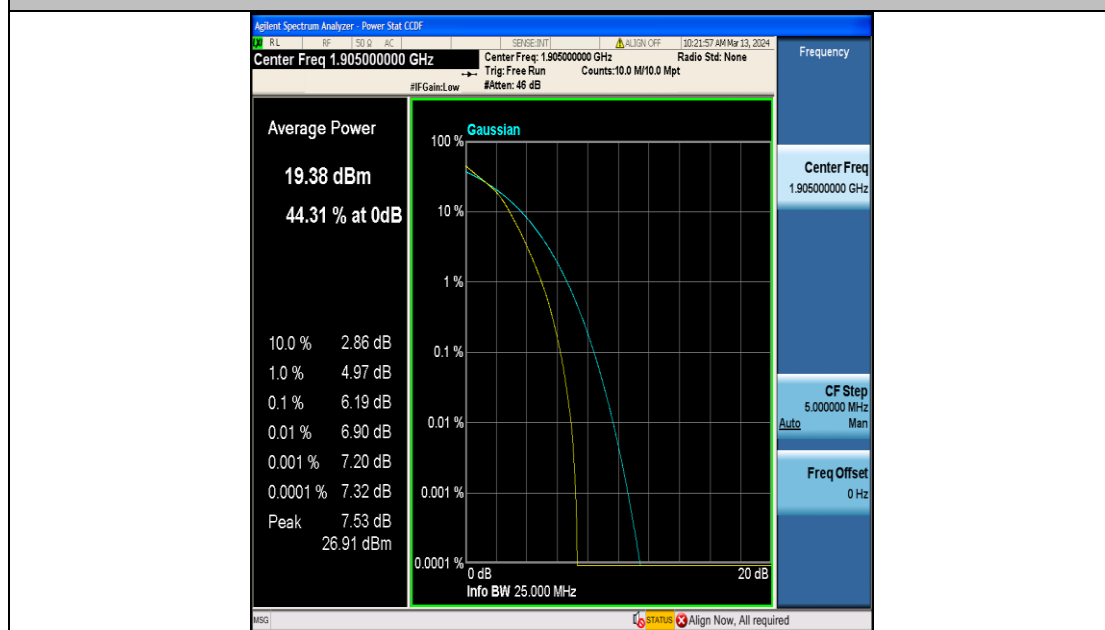
Band2-10MHz-QPSK-18900-50RB#0-PASS



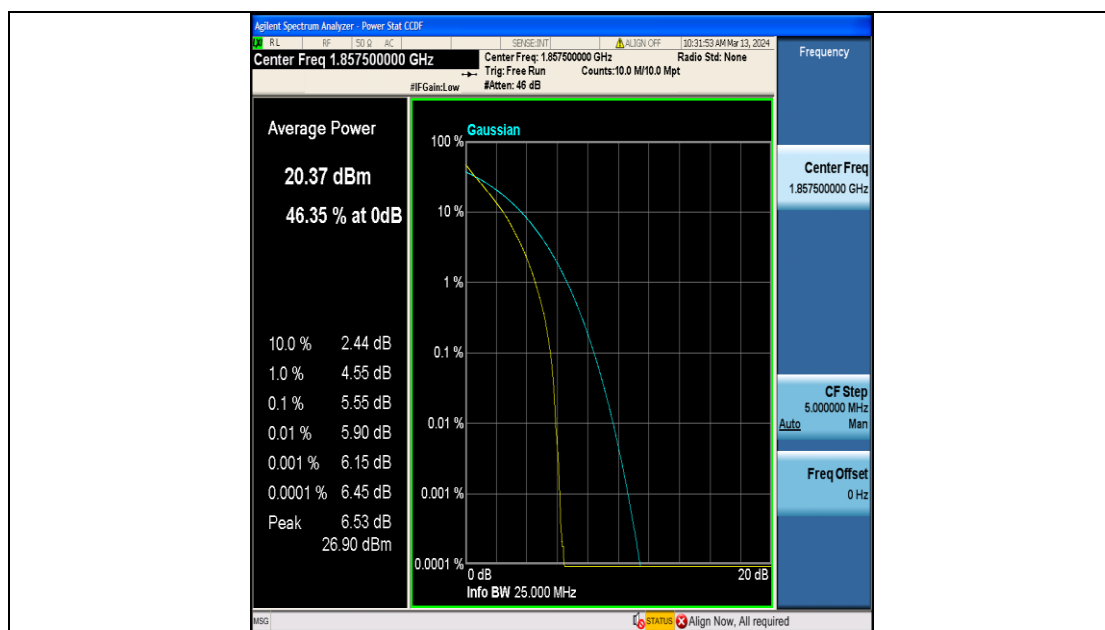
Band2-10MHz-16QAM-18900-50RB#0-PASS



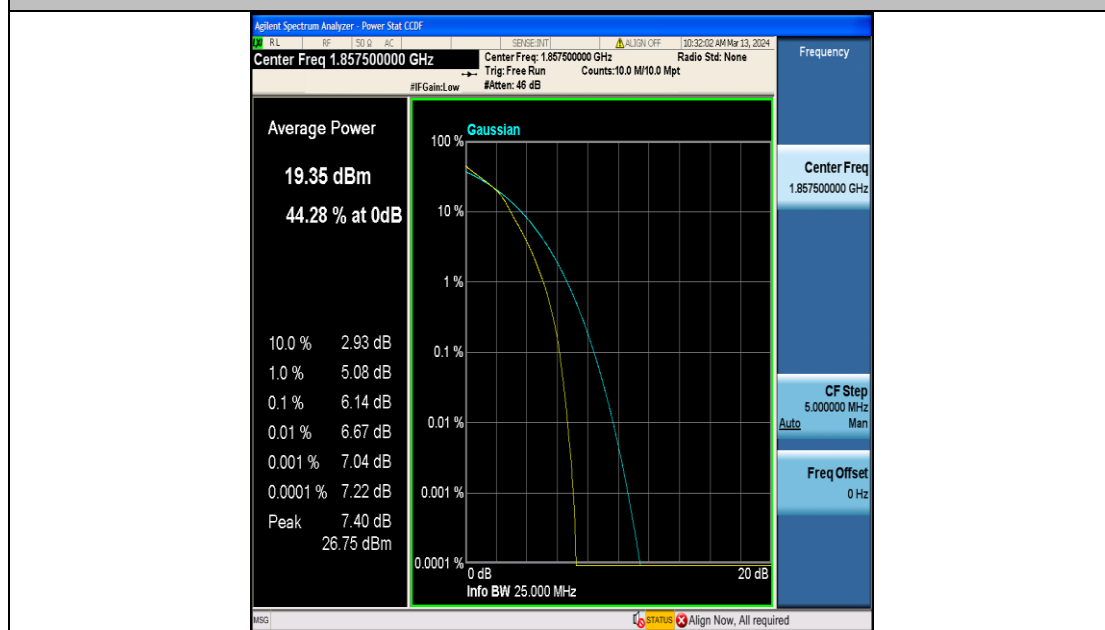
Band2-10MHz-QPSK-19150-50RB#0-PASS



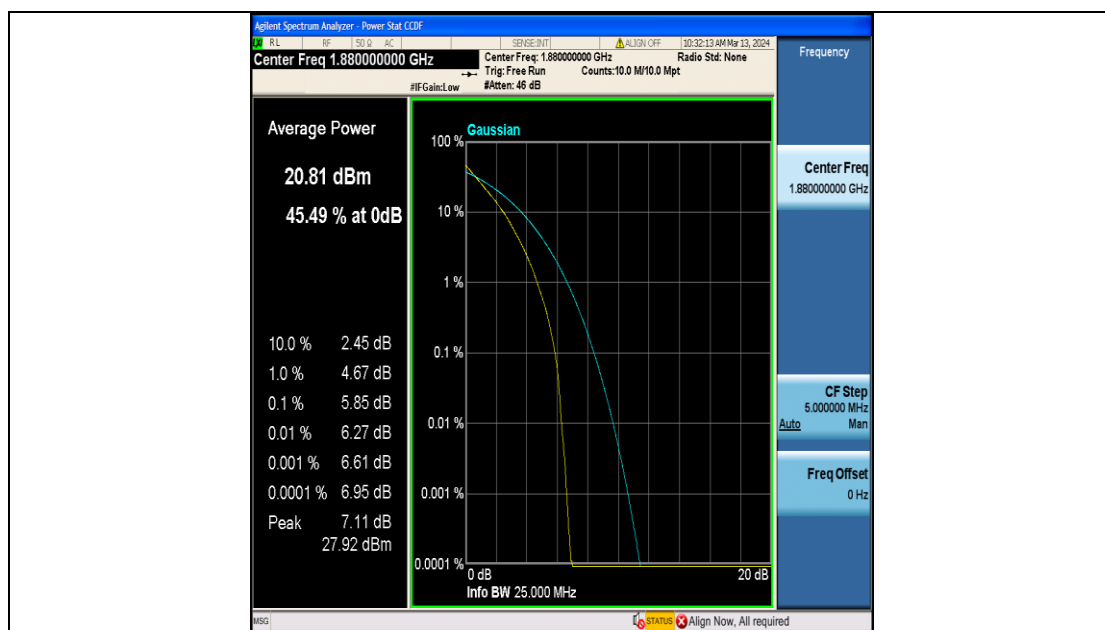
Band2-10MHz-16QAM-19150-50RB#0-PASS



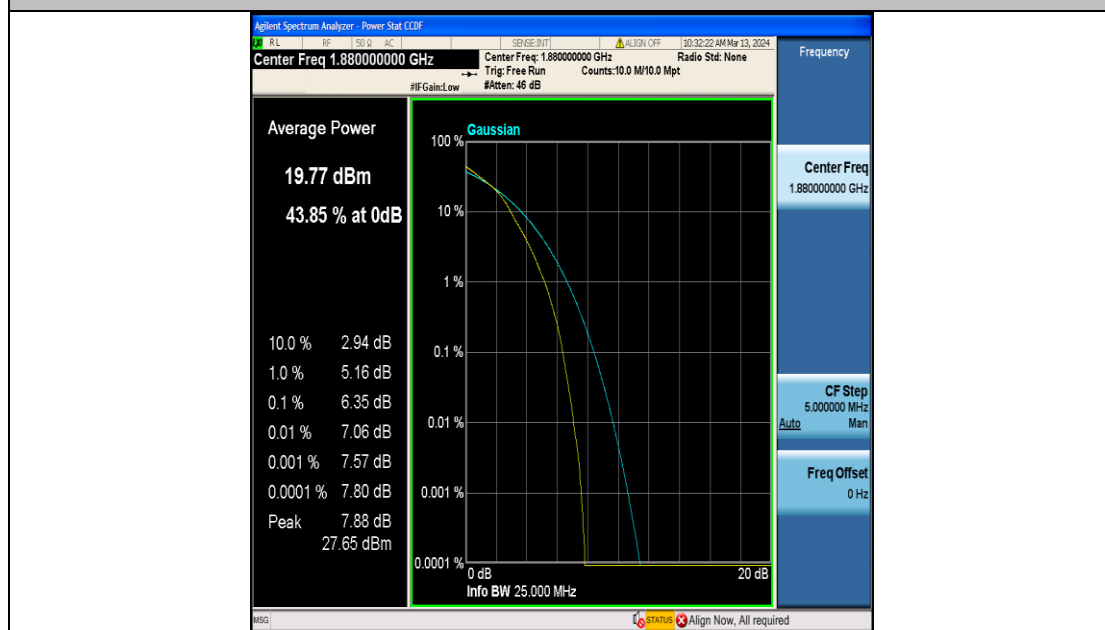
Band2-15MHz-QPSK-18675-75RB#0-PASS



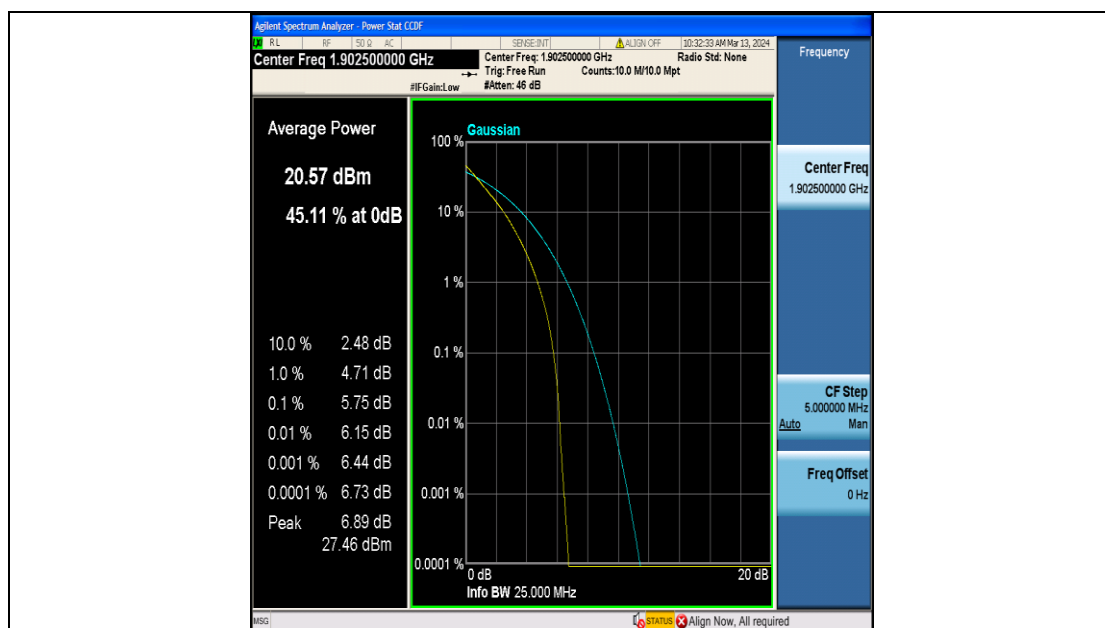
Band2-15MHz-16QAM-18675-75RB#0-PASS



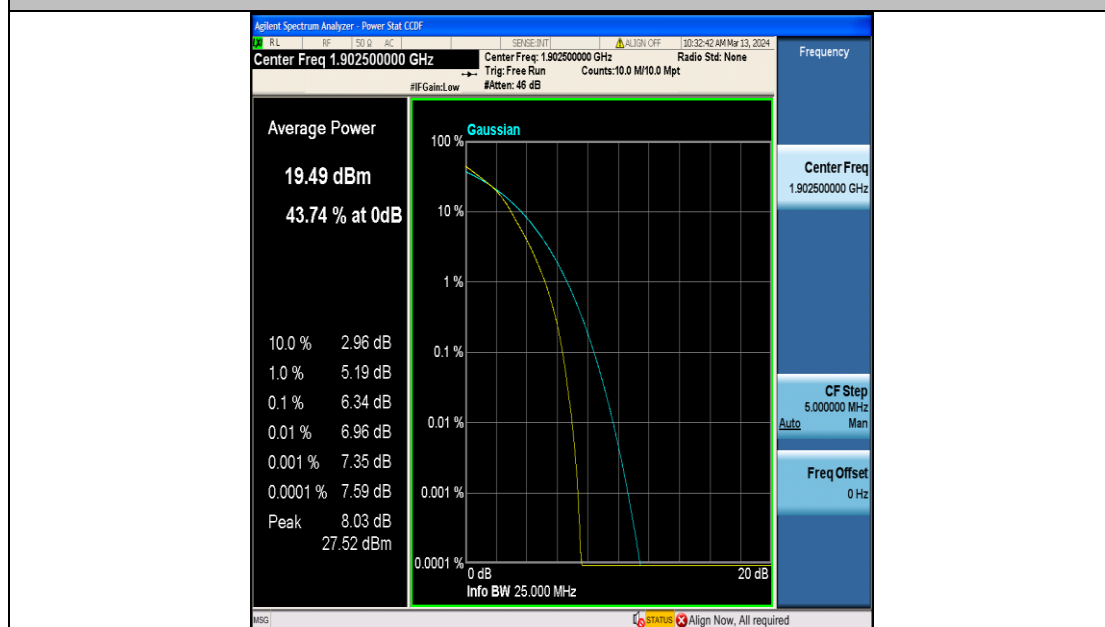
Band2-15MHz-QPSK-18900-75RB#0-PASS



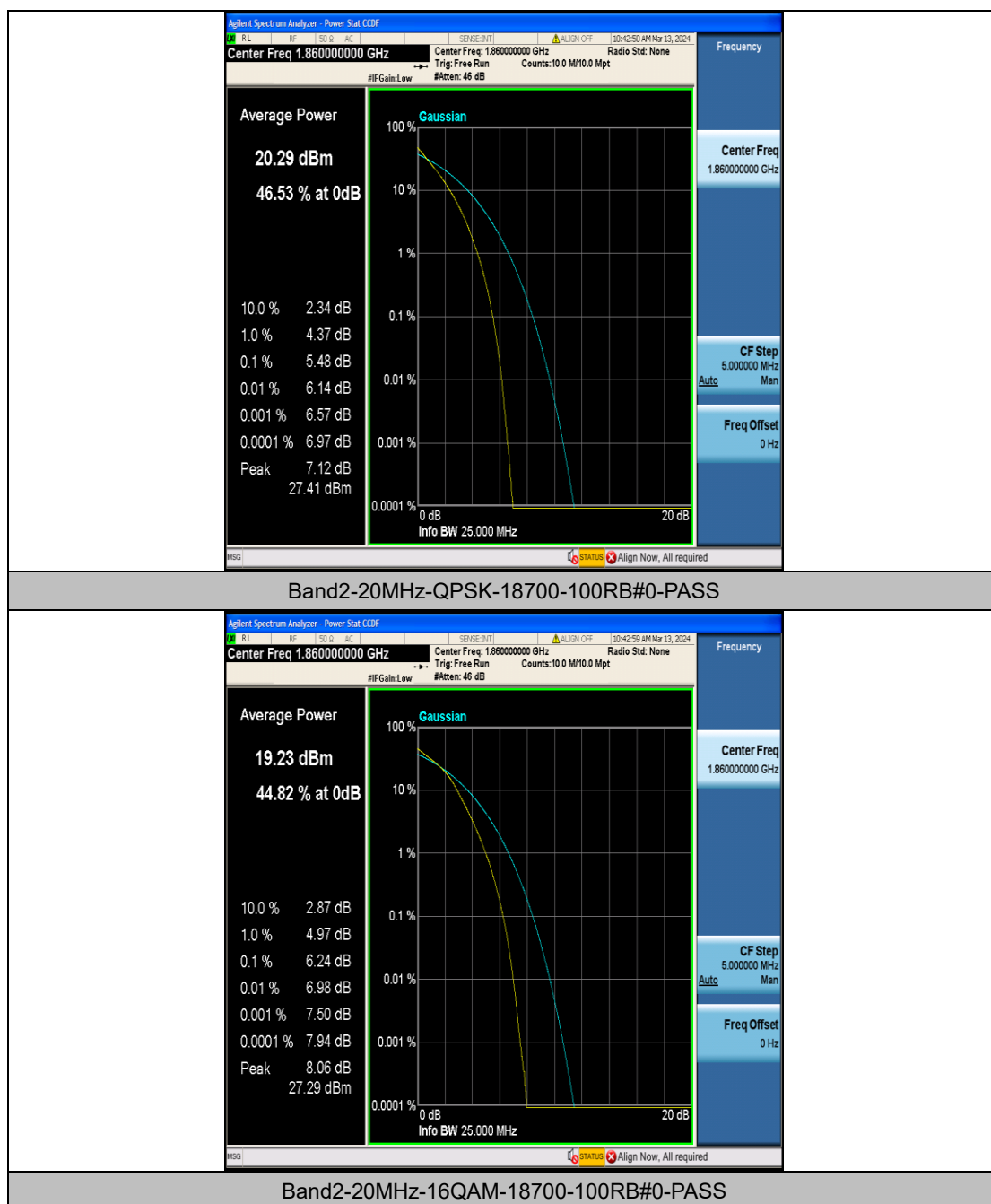
Band2-15MHz-16QAM-18900-75RB#0-PASS

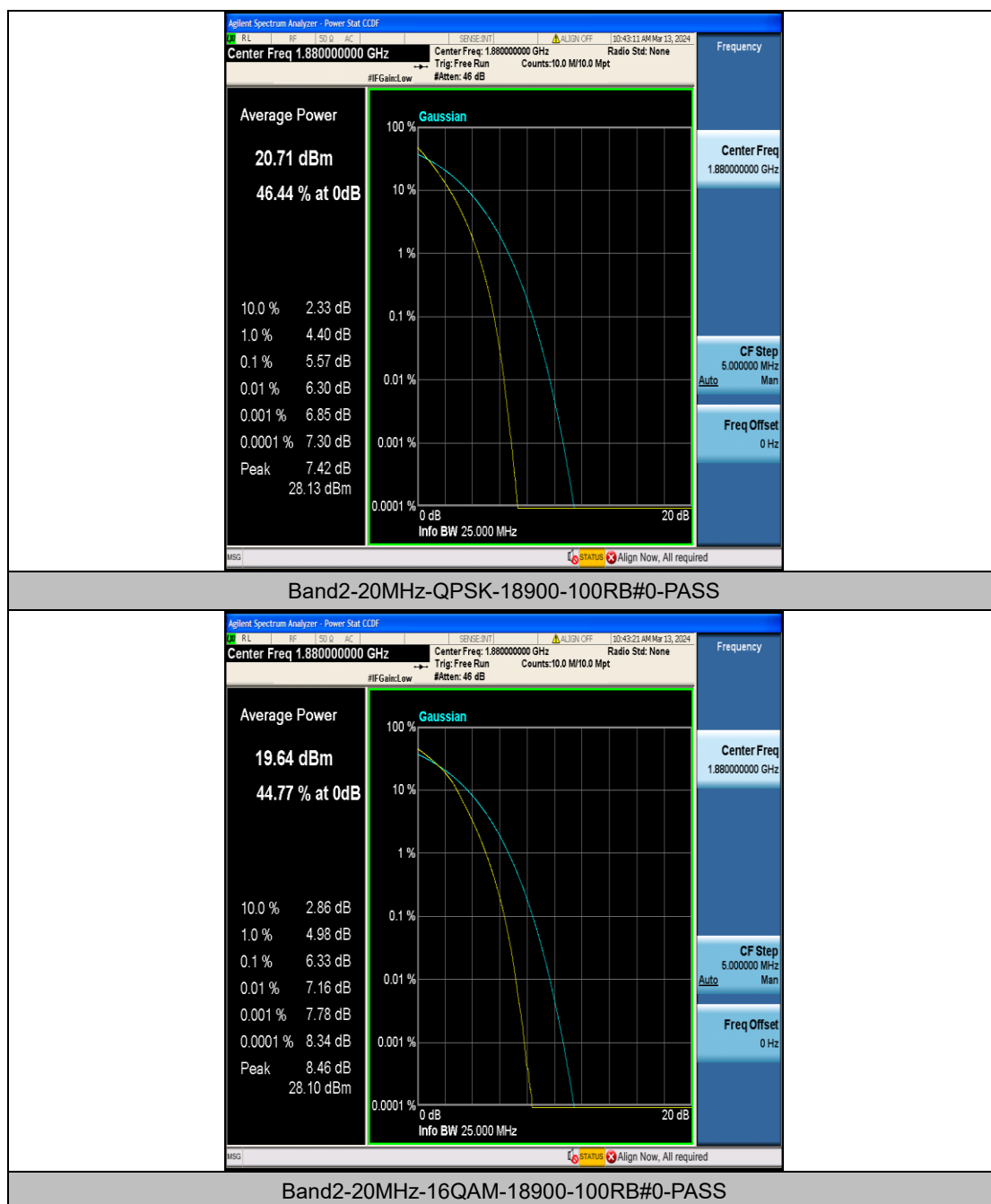


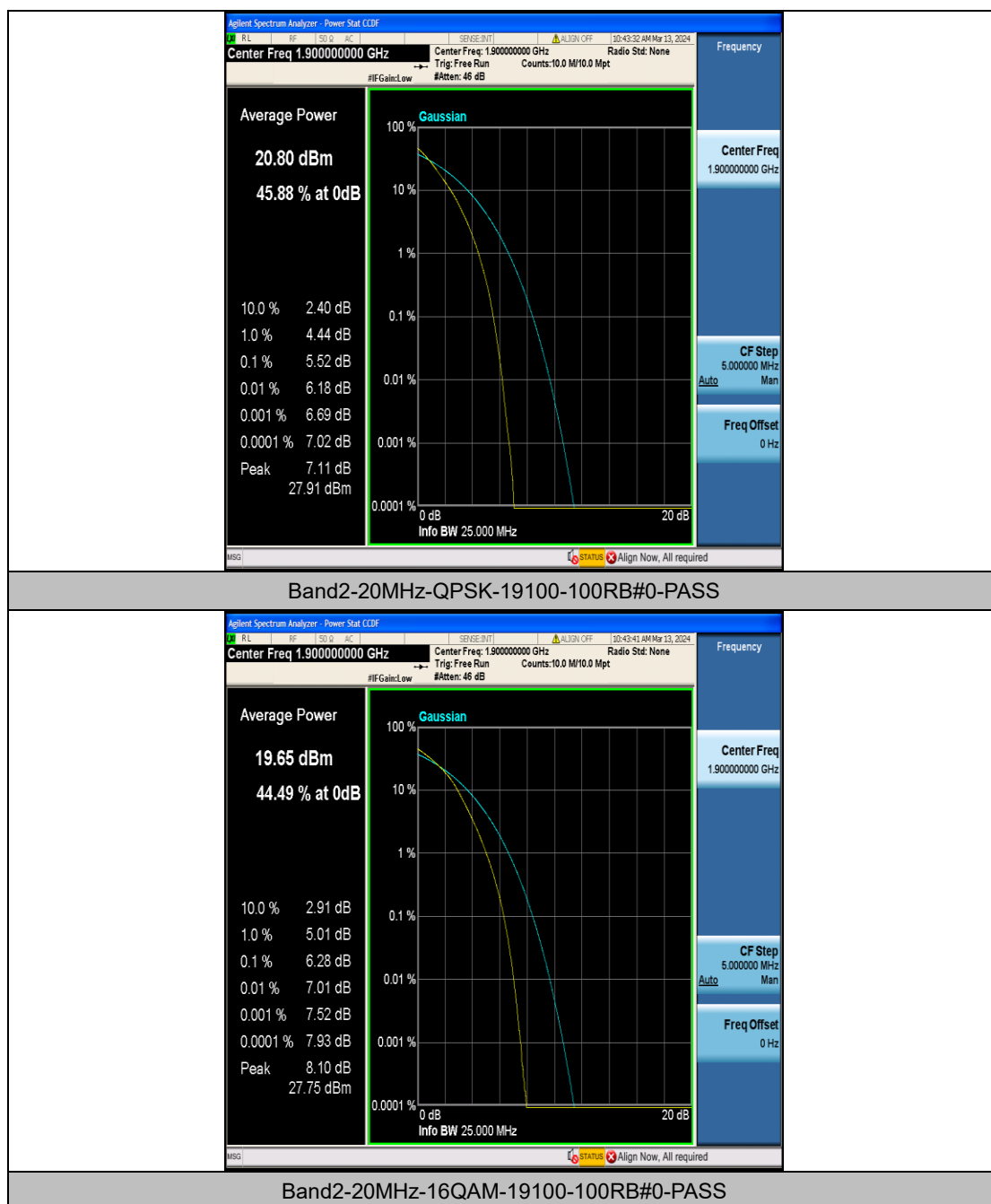
Band2-15MHz-QPSK-19125-75RB#0-PASS



Band2-15MHz-16QAM-19125-75RB#0-PASS





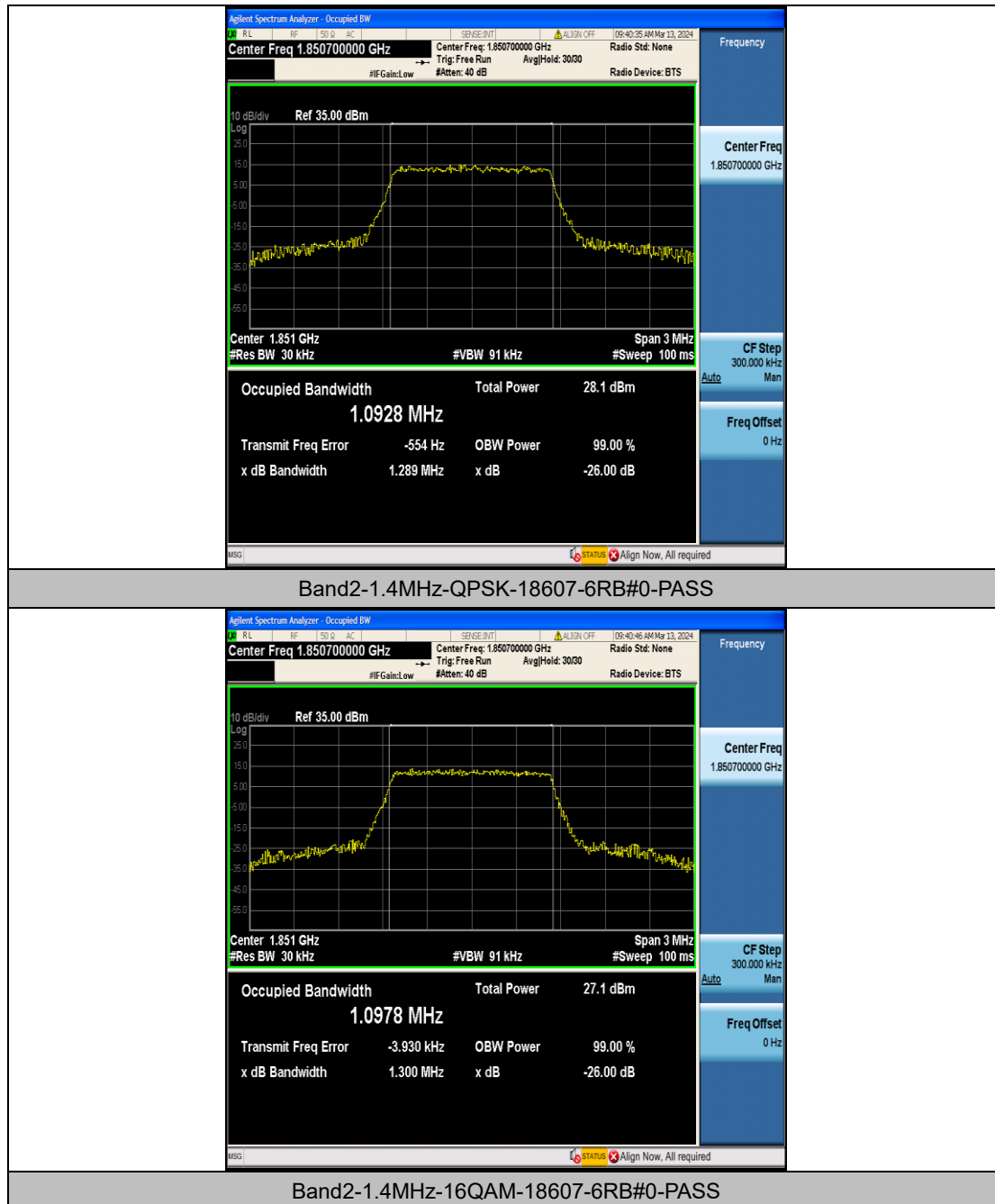


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

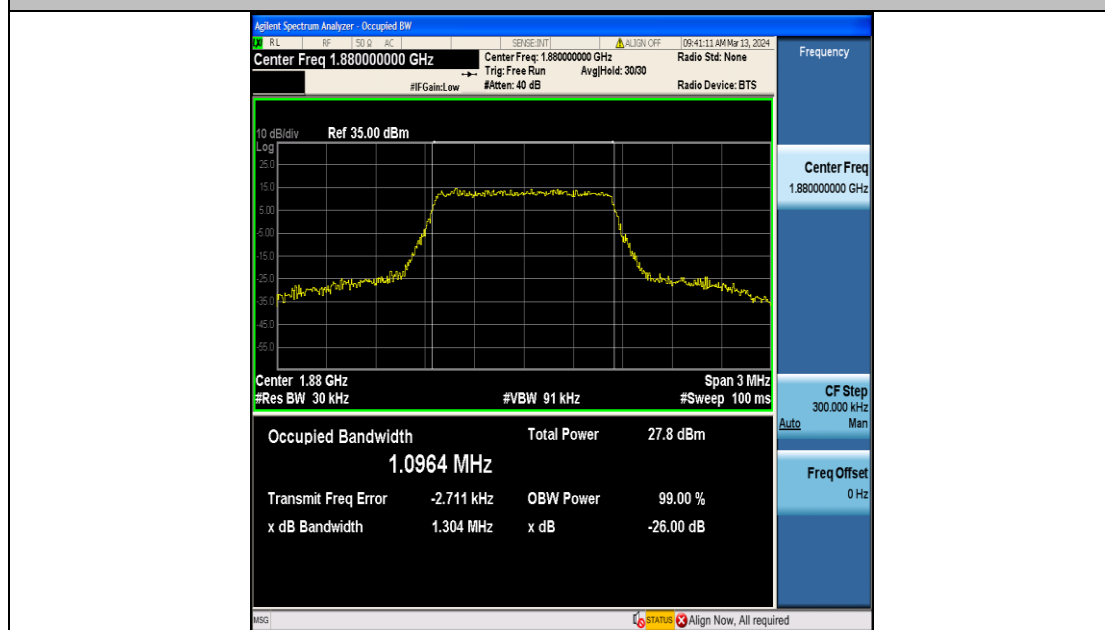
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0928	1.289	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0978	1.300	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0895	1.299	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0964	1.304	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0938	1.303	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0960	1.308	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6844	2.895	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6789	2.904	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6848	2.898	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6837	2.905	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6872	2.900	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6828	2.909	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5044	5.486	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4929	5.384	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5023	4.939	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4878	4.923	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5030	5.493	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4921	4.904	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9833	9.839	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9983	9.696	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9890	9.811	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9735	9.777	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0114	11.69	PASS
Band2	10MHz	16QAM	19150	50RB#0	9.0132	10.81	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.489	14.73	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.489	14.64	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.480	14.93	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.462	15.07	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.579	19.34	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.568	22.49	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.975	19.40	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.976	19.31	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.958	19.31	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.971	19.45	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.040	19.37	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.031	19.27	PASS

Test Graphs

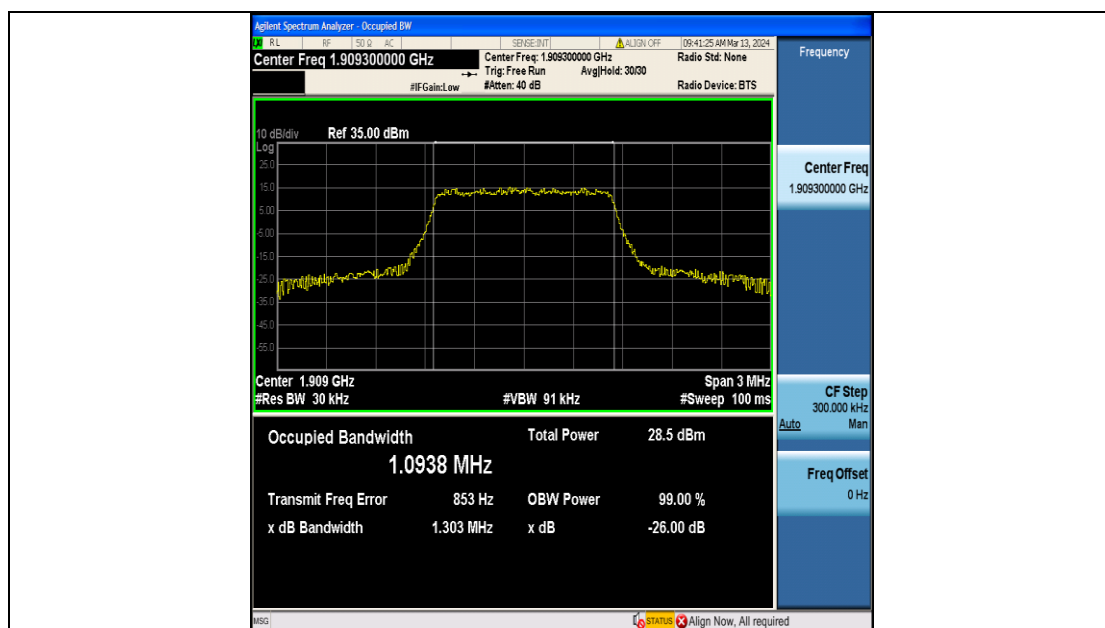




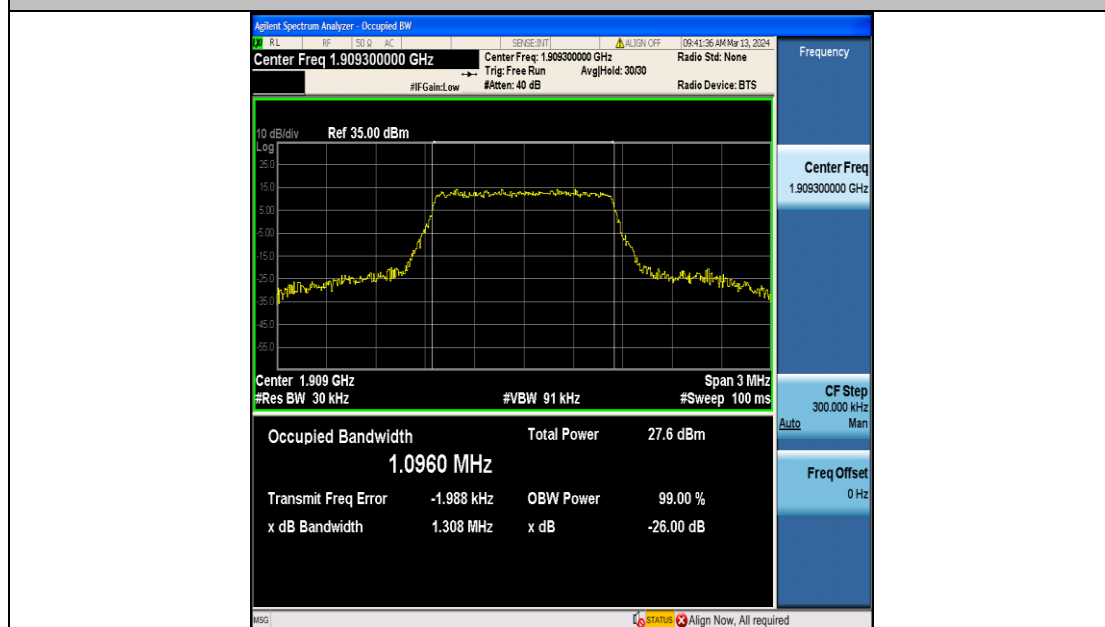
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



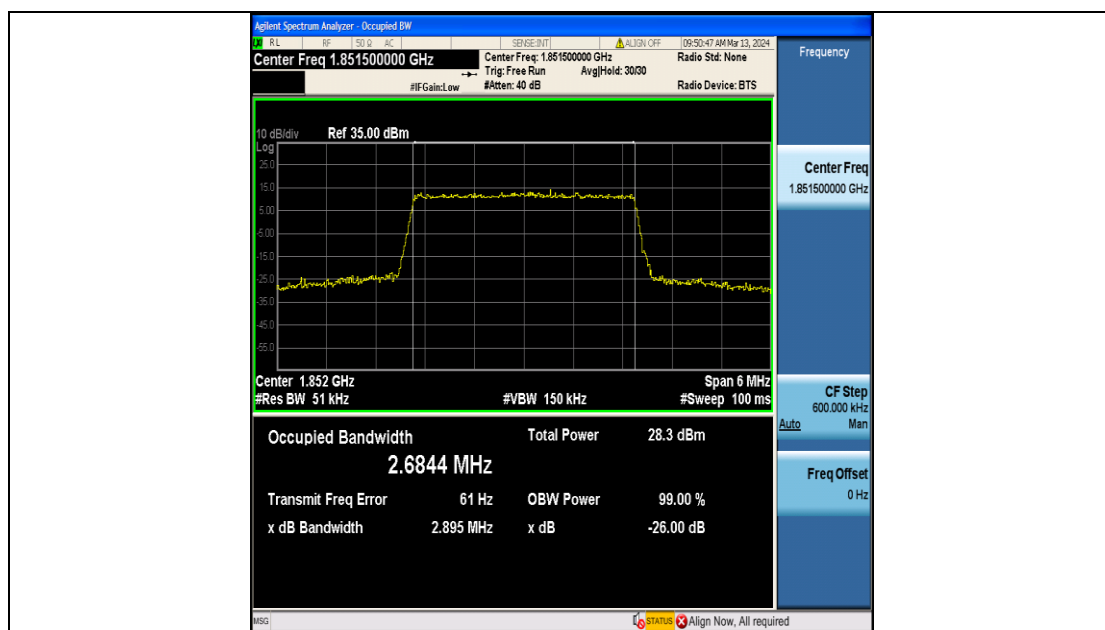
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



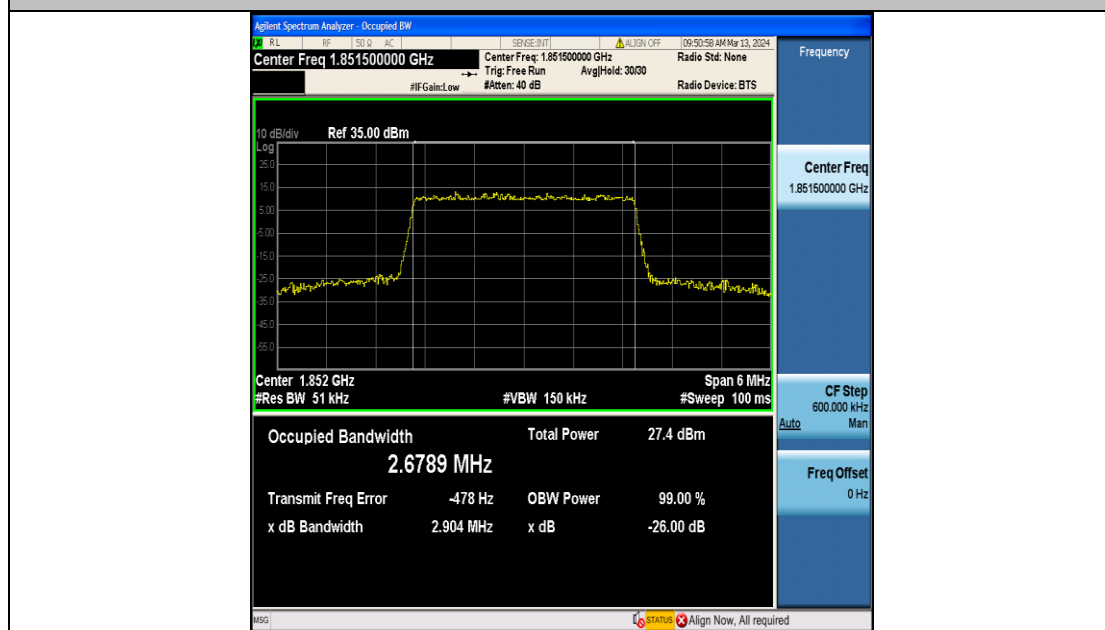
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



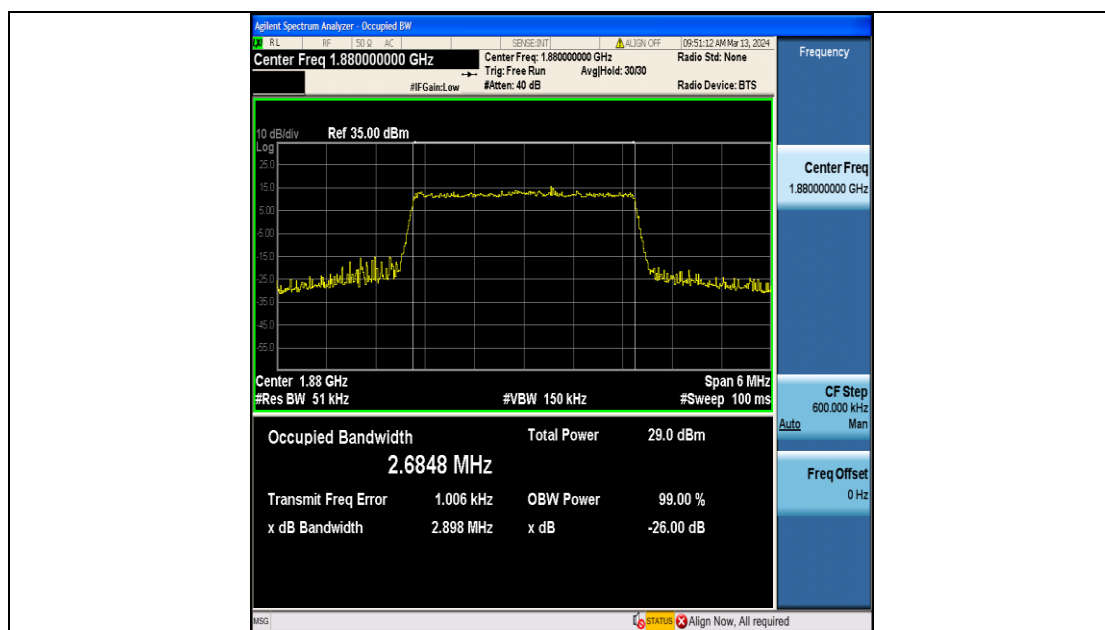
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



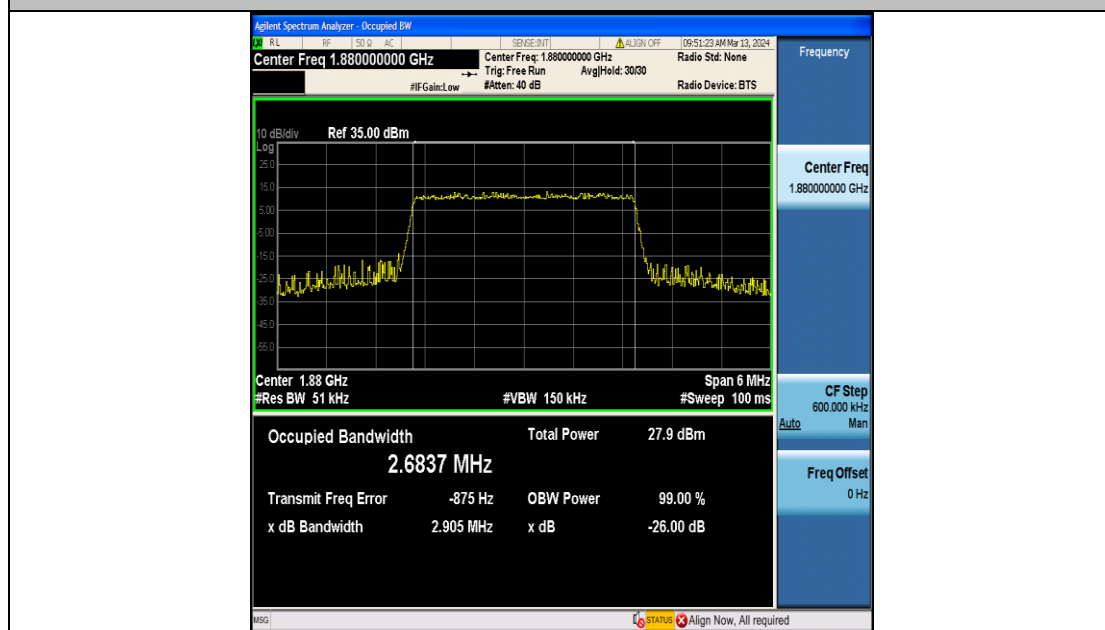
Band2-3MHz-QPSK-18615-15RB#0-PASS



Band2-3MHz-16QAM-18615-15RB#0-PASS



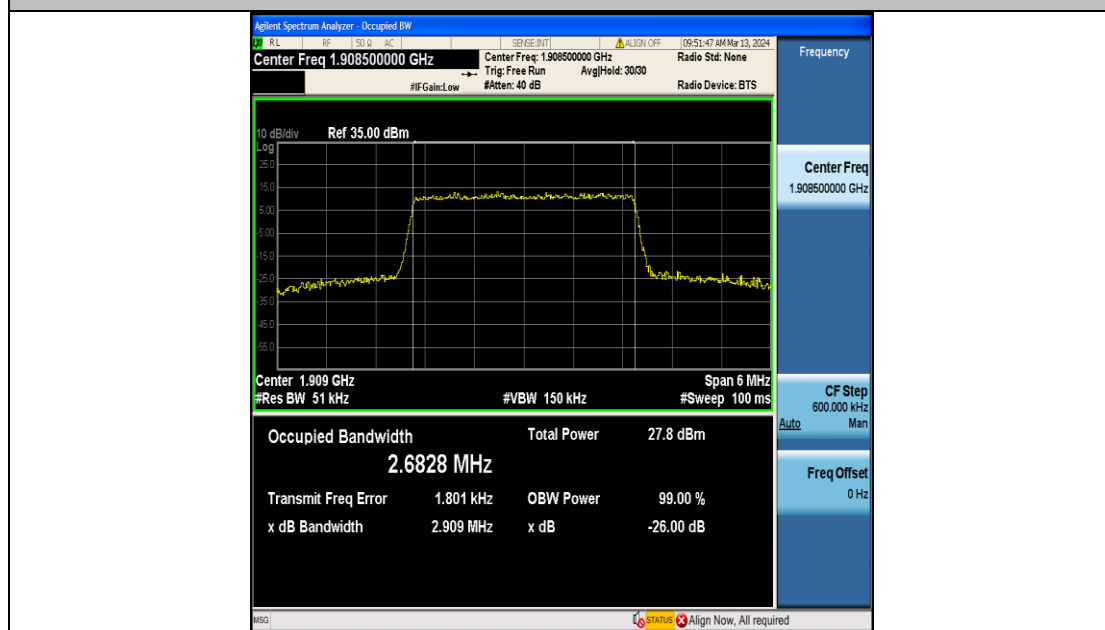
Band2-3MHz-QPSK-18900-15RB#0-PASS



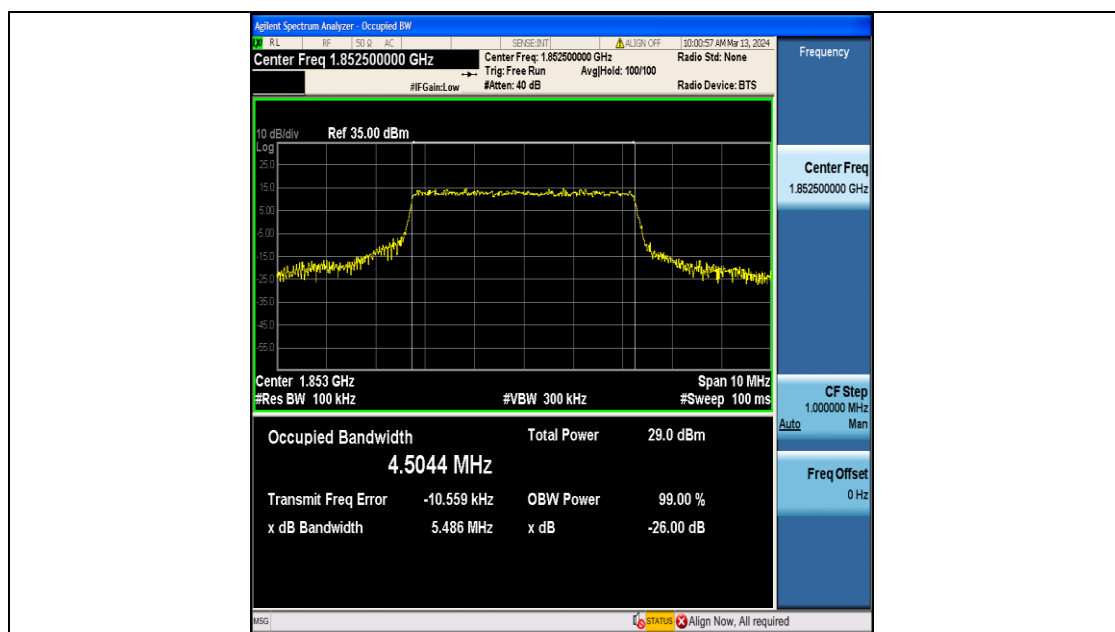
Band2-3MHz-16QAM-18900-15RB#0-PASS



Band2-3MHz-QPSK-19185-15RB#0-PASS



Band2-3MHz-16QAM-19185-15RB#0-PASS



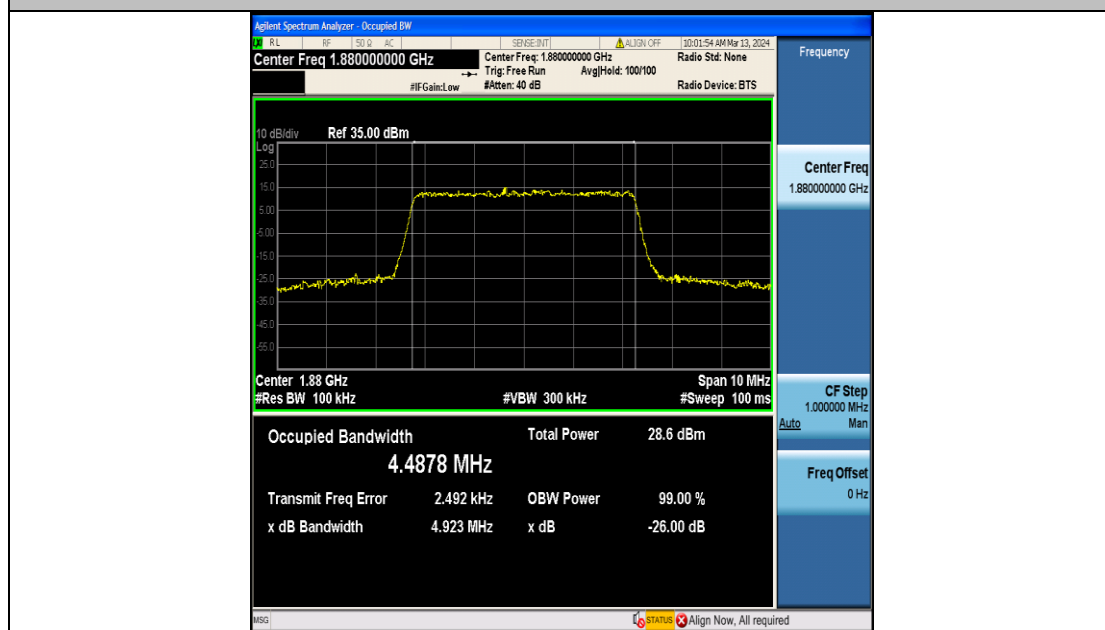
Band2-5MHz-QPSK-18625-25RB#0-PASS



Band2-5MHz-16QAM-18625-25RB#0-PASS



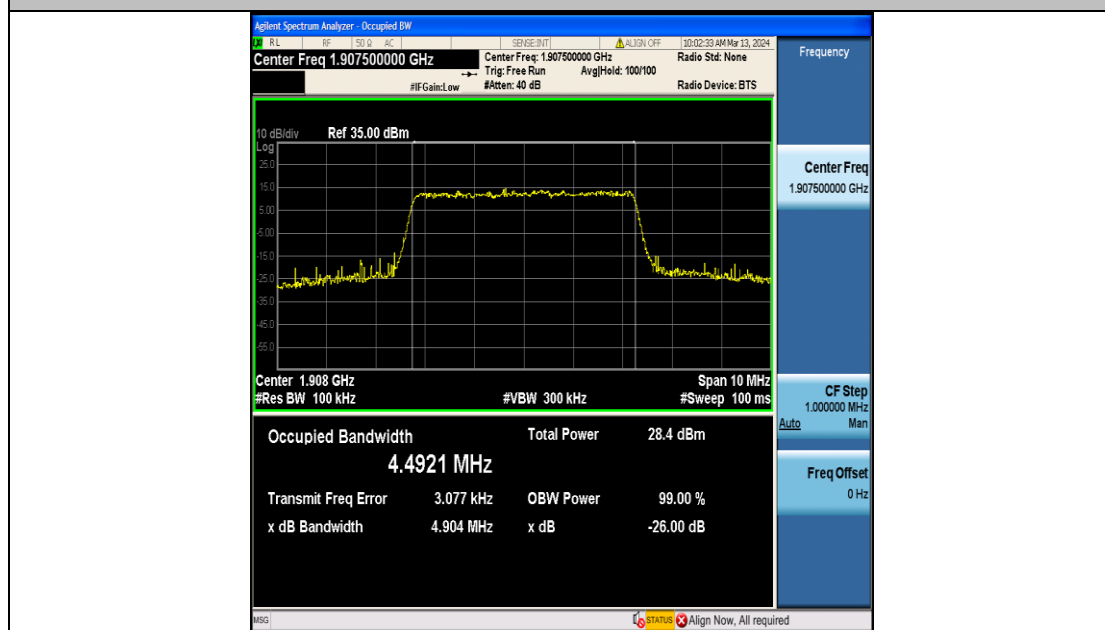
Band2-5MHz-QPSK-18900-25RB#0-PASS



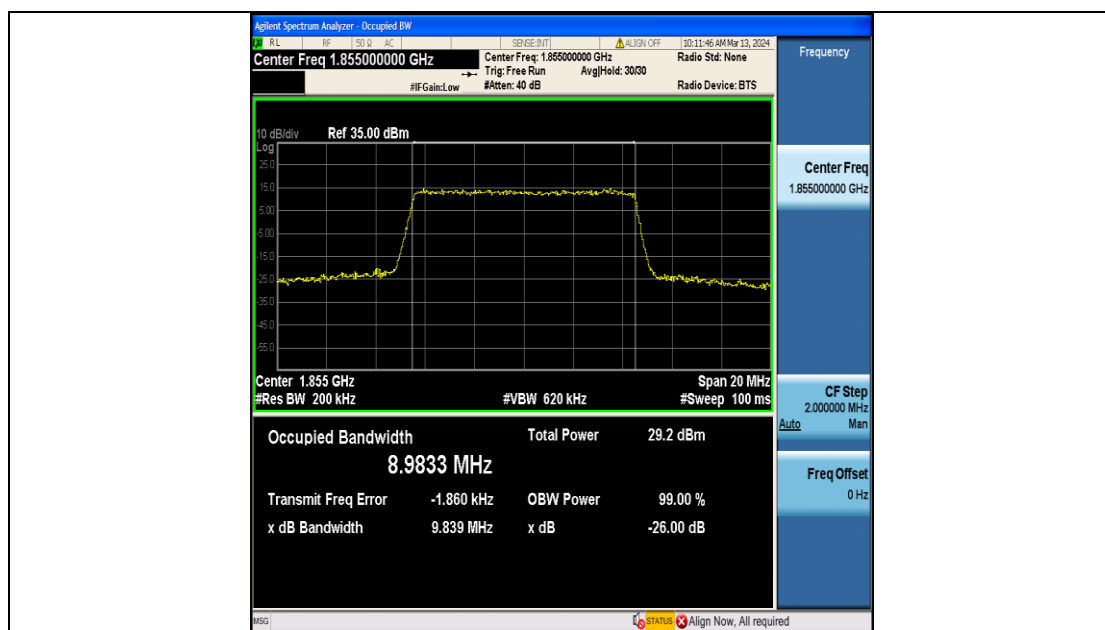
Band2-5MHz-16QAM-18900-25RB#0-PASS



Band2-5MHz-QPSK-19175-25RB#0-PASS



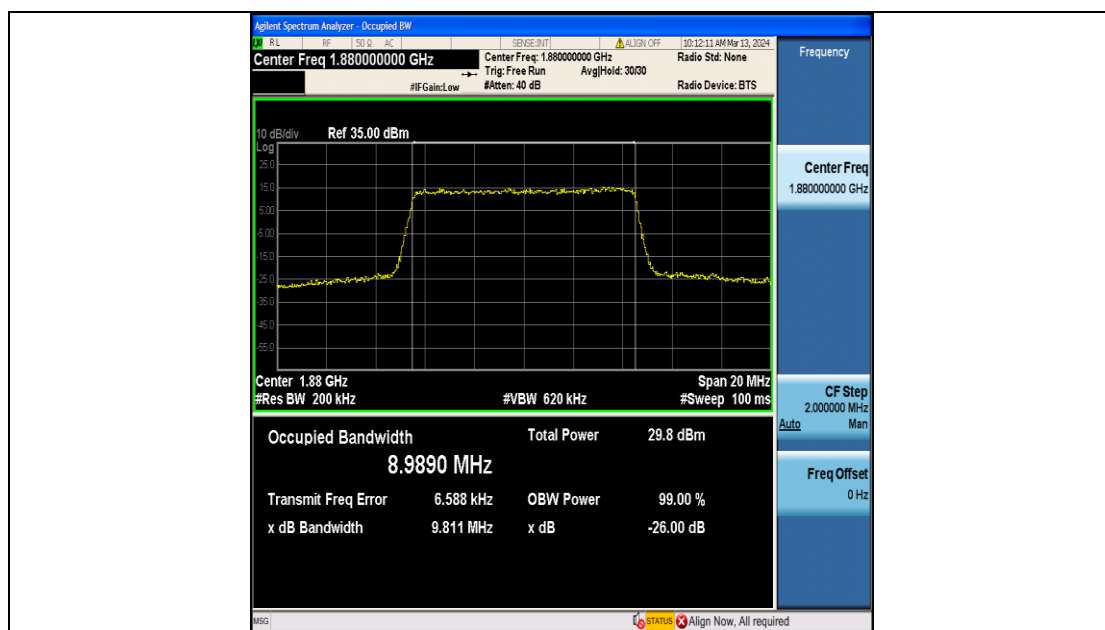
Band2-5MHz-16QAM-19175-25RB#0-PASS



Band2-10MHz-QPSK-18650-50RB#0-PASS



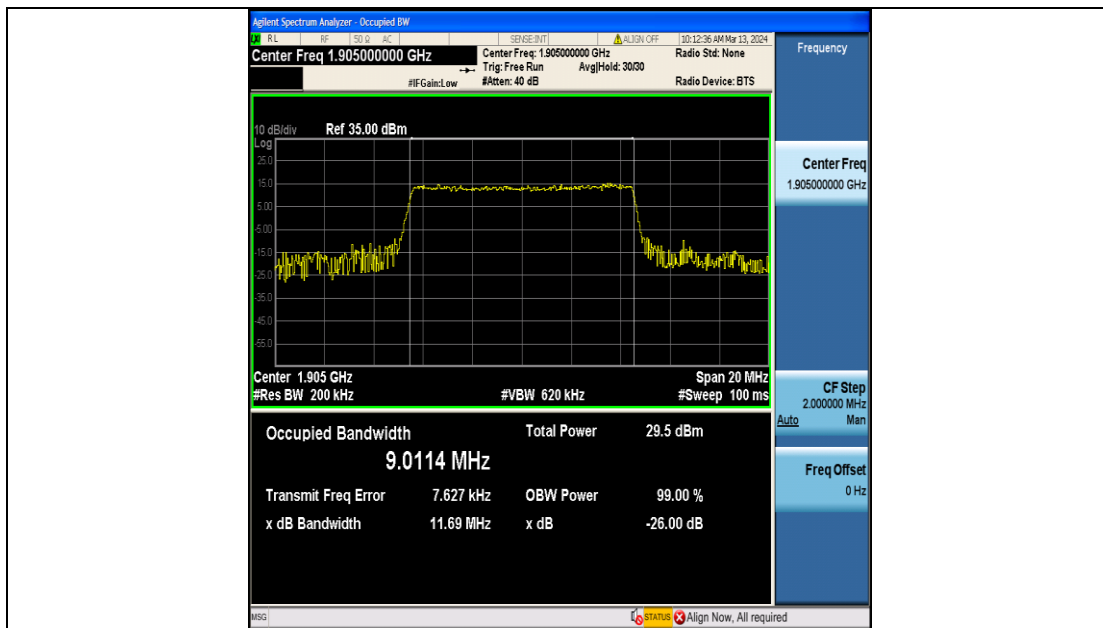
Band2-10MHz-16QAM-18650-50RB#0-PASS



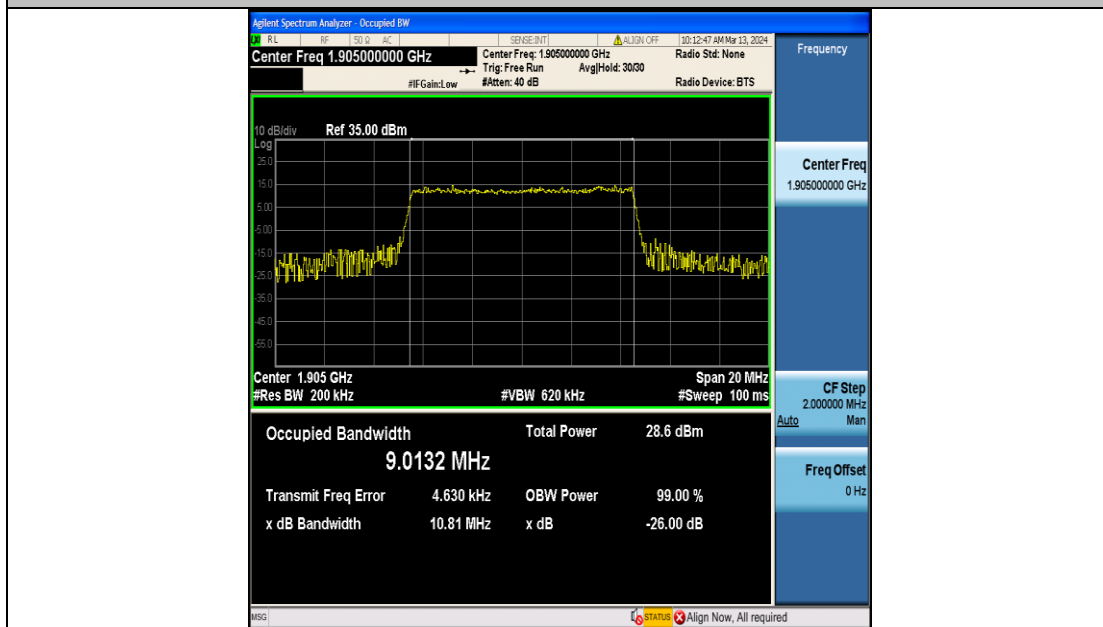
Band2-10MHz-QPSK-18900-50RB#0-PASS



Band2-10MHz-16QAM-18900-50RB#0-PASS



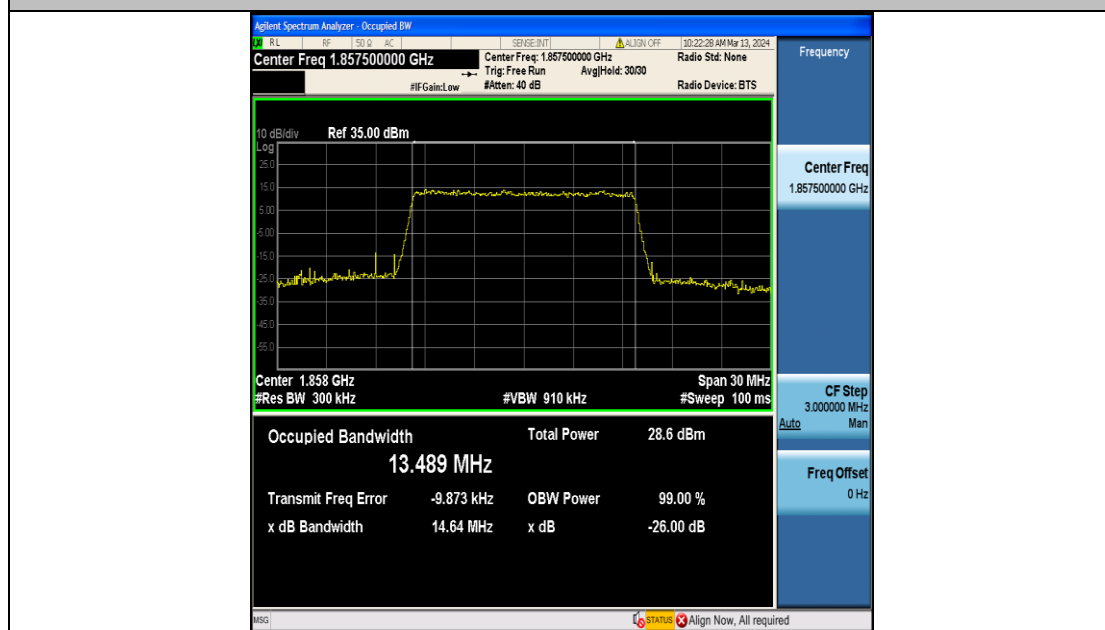
Band2-10MHz-QPSK-19150-50RB#0-PASS



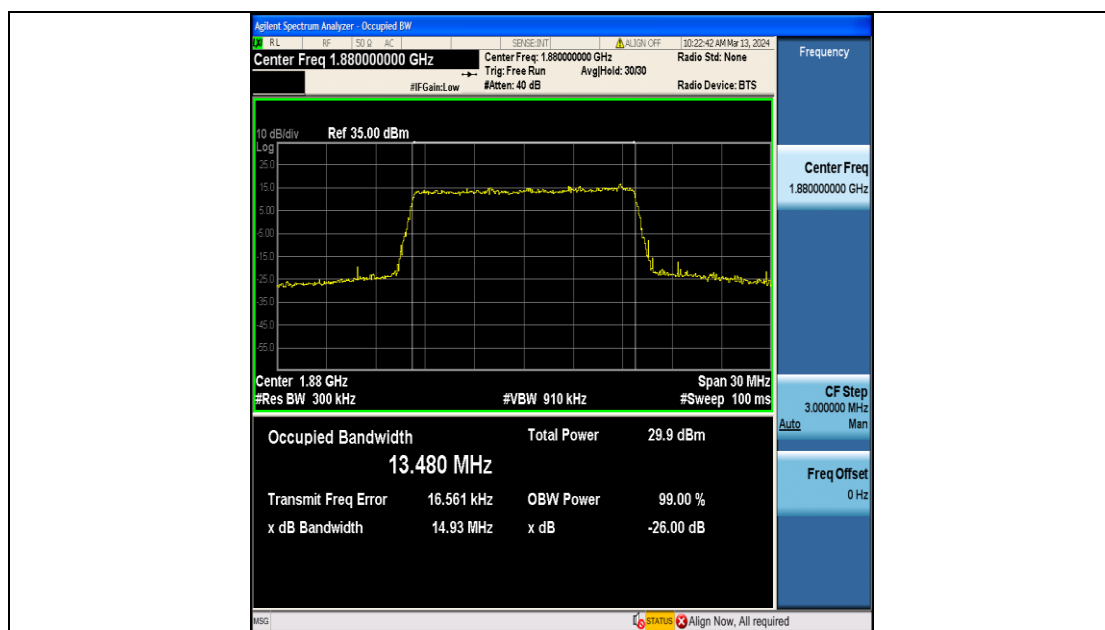
Band2-10MHz-16QAM-19150-50RB#0-PASS



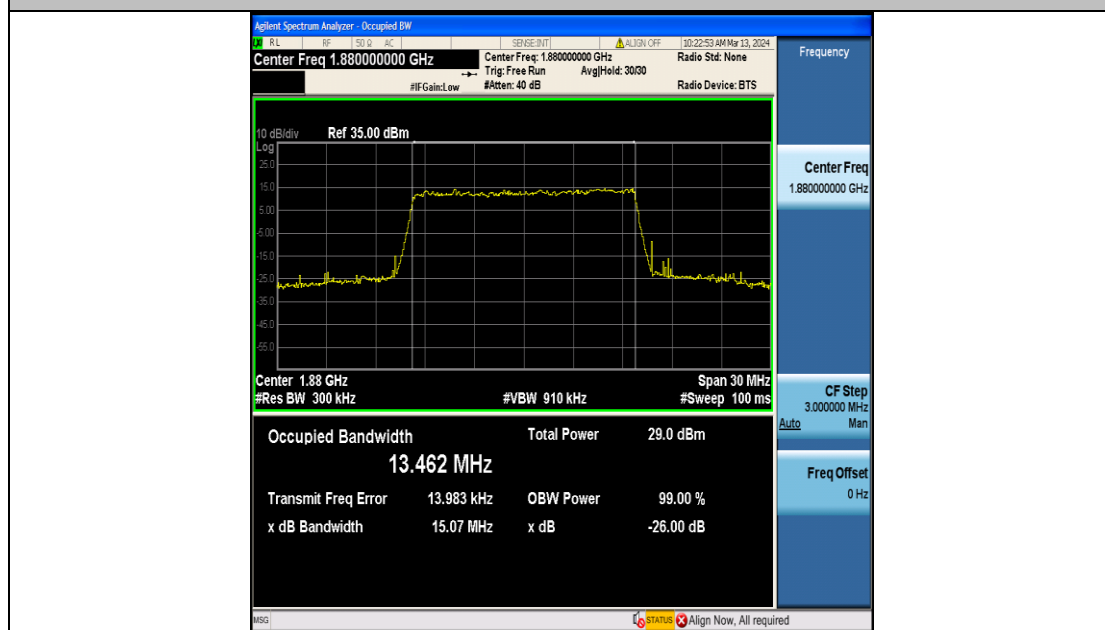
Band2-15MHz-QPSK-18675-75RB#0-PASS



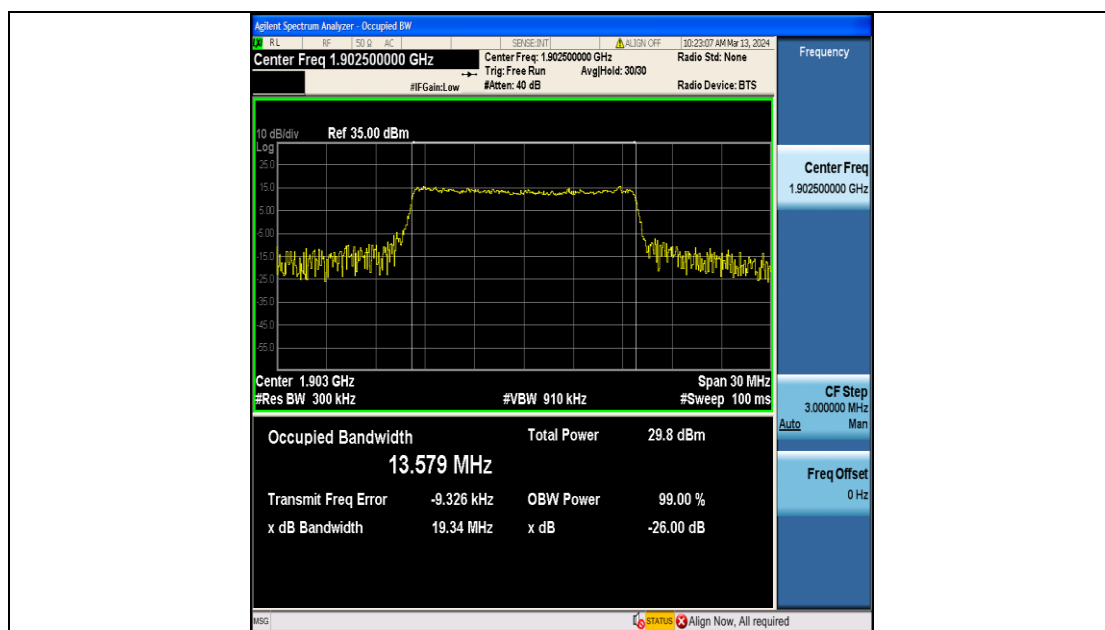
Band2-15MHz-16QAM-18675-75RB#0-PASS



Band2-15MHz-QPSK-18900-75RB#0-PASS



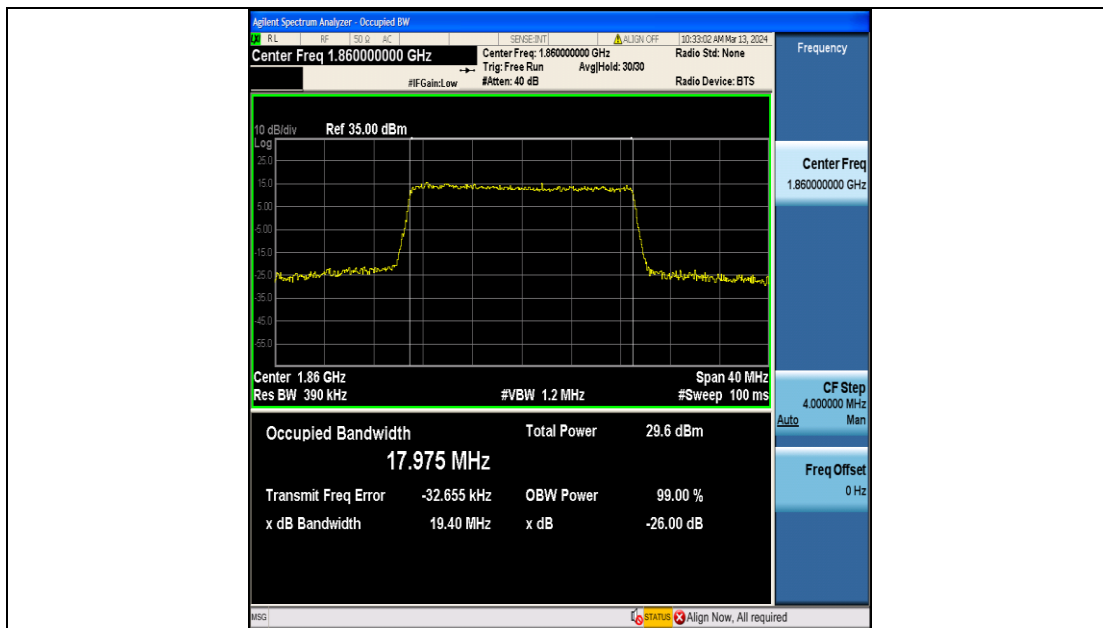
Band2-15MHz-16QAM-18900-75RB#0-PASS



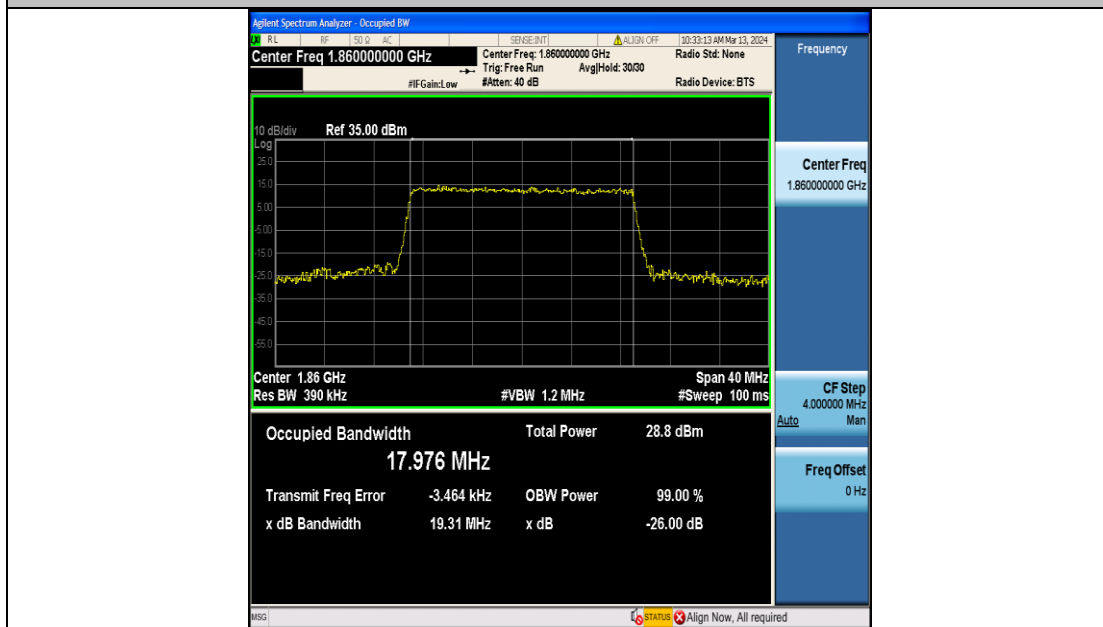
Band2-15MHz-QPSK-19125-75RB#0-PASS



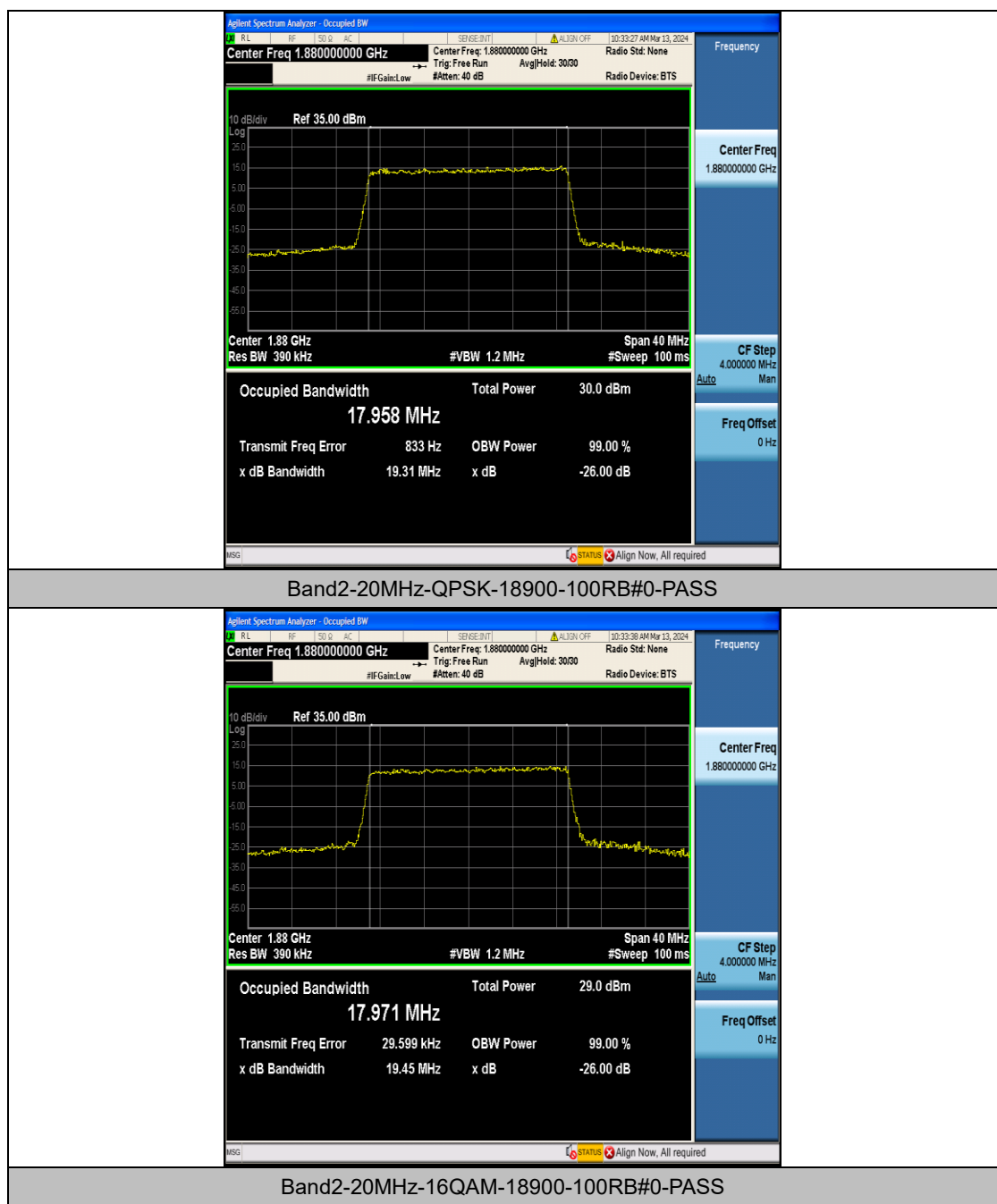
Band2-15MHz-16QAM-19125-75RB#0-PASS

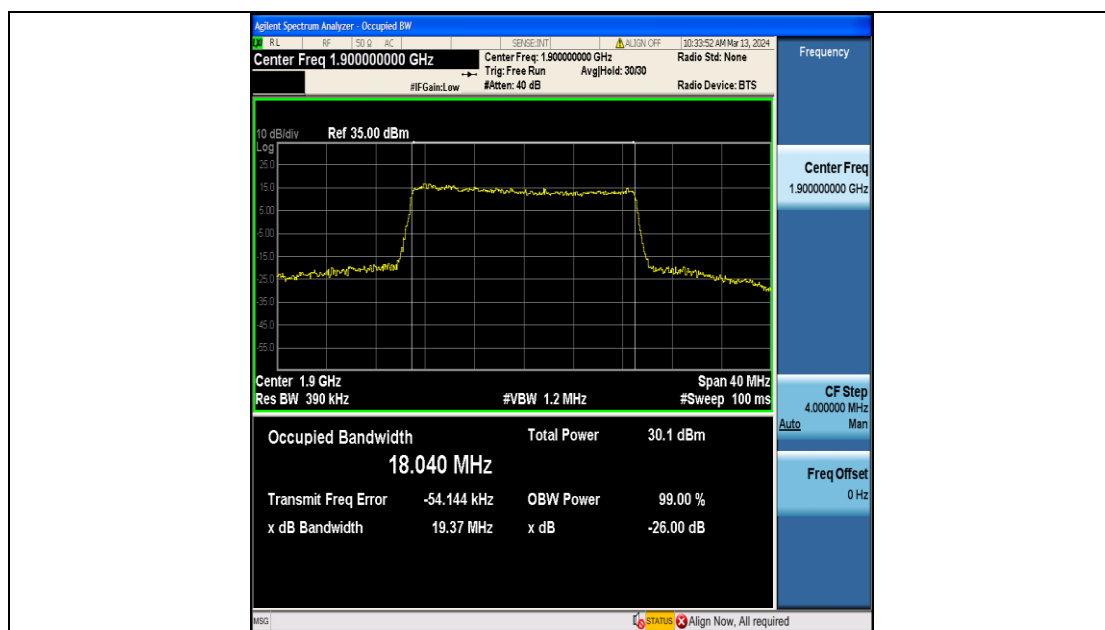


Band2-20MHz-QPSK-18700-100RB#0-PASS



Band2-20MHz-16QAM-18700-100RB#0-PASS





Band2-20MHz-QPSK-19100-100RB#0-PASS



Band2-20MHz-16QAM-19100-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-48.48	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-49.77	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-48.16	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-48.95	PASS
Band2	3MHz	QPSK	18615	15RB#0	-37.46	PASS
Band2	3MHz	16QAM	18615	15RB#0	-39.34	PASS
Band2	3MHz	QPSK	19185	15RB#0	-35.54	PASS
Band2	3MHz	16QAM	19185	15RB#0	-36.77	PASS
Band2	5MHz	QPSK	18625	25RB#0	-36.31	PASS
Band2	5MHz	16QAM	18625	25RB#0	-37.78	PASS
Band2	5MHz	QPSK	19175	25RB#0	-33.73	PASS
Band2	5MHz	16QAM	19175	25RB#0	-35.85	PASS
Band2	10MHz	QPSK	18650	50RB#0	-35.79	PASS
Band2	10MHz	16QAM	18650	50RB#0	-37.67	PASS
Band2	10MHz	QPSK	19150	50RB#0	-33.18	PASS
Band2	10MHz	16QAM	19150	50RB#0	-34.79	PASS
Band2	15MHz	QPSK	18675	75RB#0	-34.12	PASS
Band2	15MHz	16QAM	18675	75RB#0	-36.28	PASS
Band2	15MHz	QPSK	19125	75RB#0	-32.75	PASS
Band2	15MHz	16QAM	19125	75RB#0	-35.27	PASS
Band2	20MHz	QPSK	18700	100RB#0	-36.42	PASS
Band2	20MHz	16QAM	18700	100RB#0	-37.39	PASS
Band2	20MHz	QPSK	19100	100RB#0	-34.40	PASS
Band2	20MHz	16QAM	19100	100RB#0	-36.68	PASS

Test Graphs

