FCC LTE Band Test Data

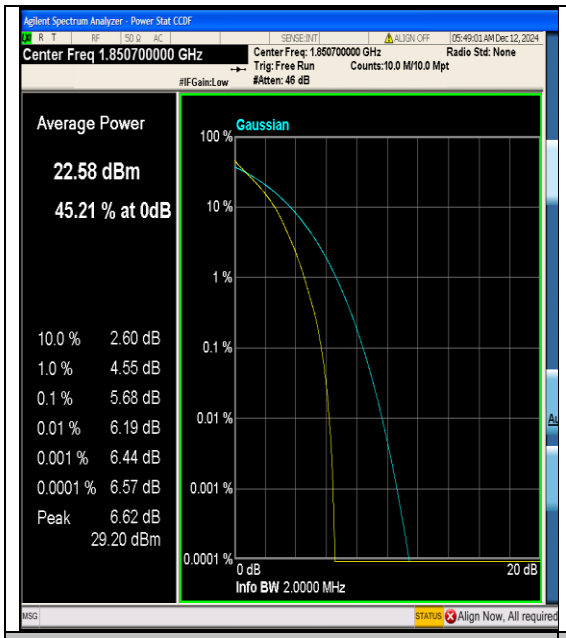
FCC ID	**:**	**2BM3M-NB55**
Company:	**:**	**Shenzhen Tongliang Intelligent Technology Co.,Ltd**
EUT	**:**	**Handheld POS**
Model Number	**:**	**NB55**
Reviewed By	**:**	**Eric Wang**

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

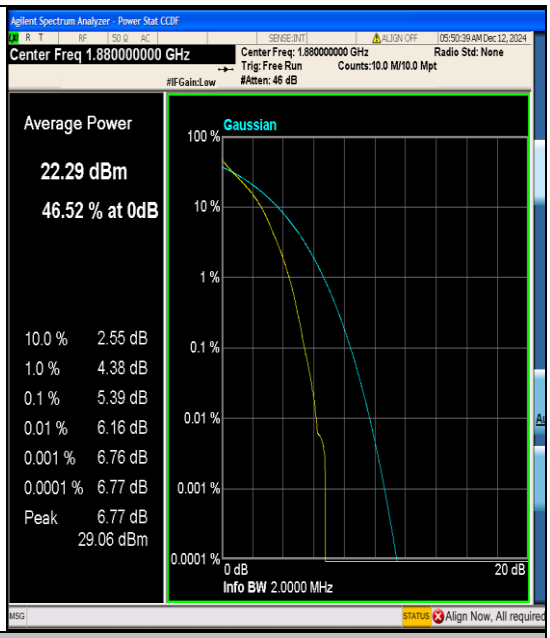
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.68	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.39	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.45	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.44	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.15	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.19	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.71	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.56	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.56	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.45	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.23	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.33	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.69	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.50	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.59	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.37	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.19	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.25	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.72	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.54	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.69	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.41	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.25	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.35	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	6.03	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.88	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	6.05	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.50	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.36	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.49	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.73	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.66	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.78	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.45	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.34	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.42	13	PASS

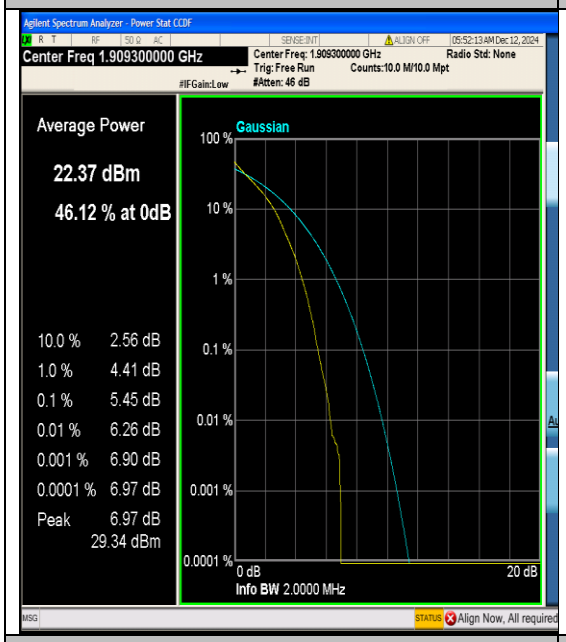
Test Graphs



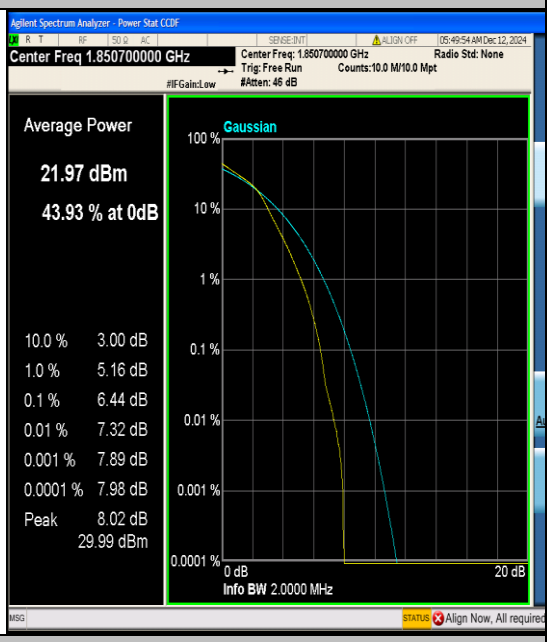
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



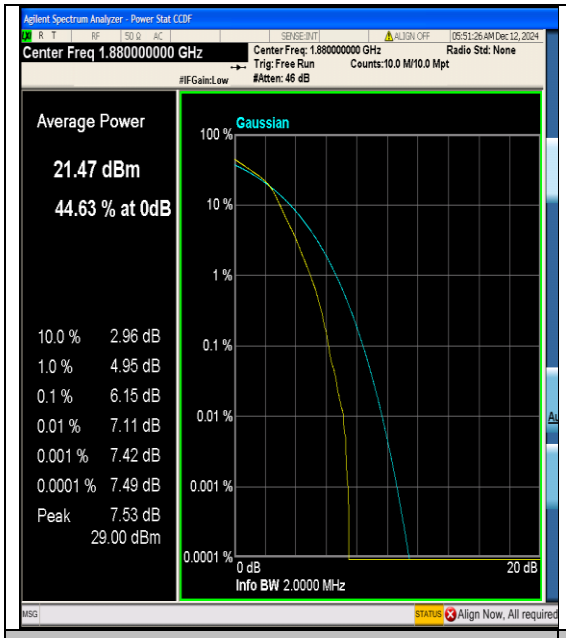
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



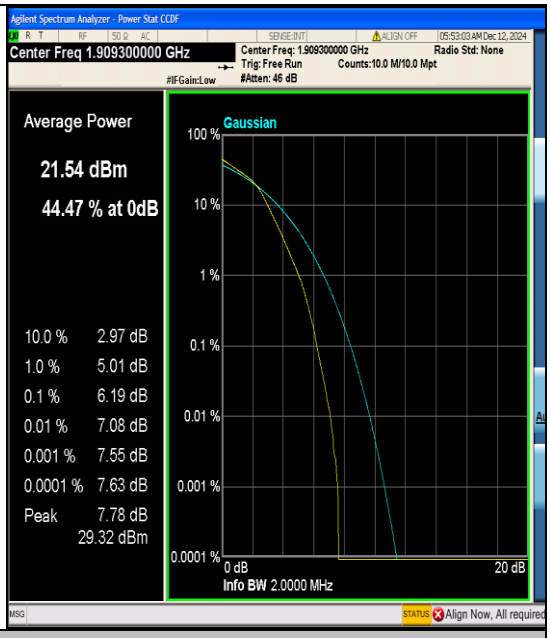
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



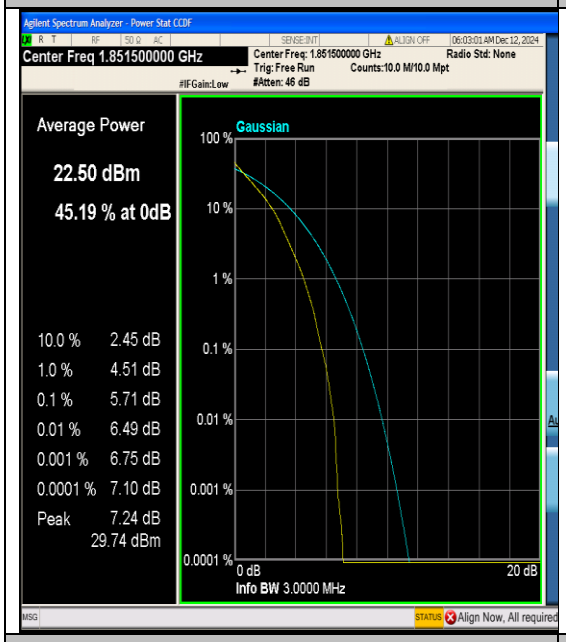
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



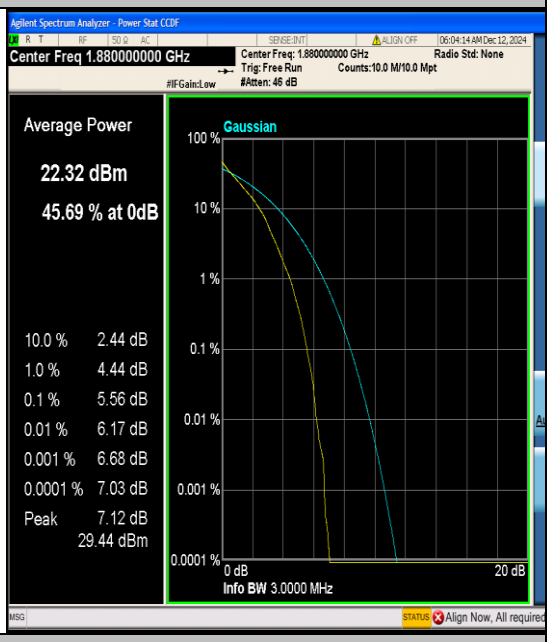
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



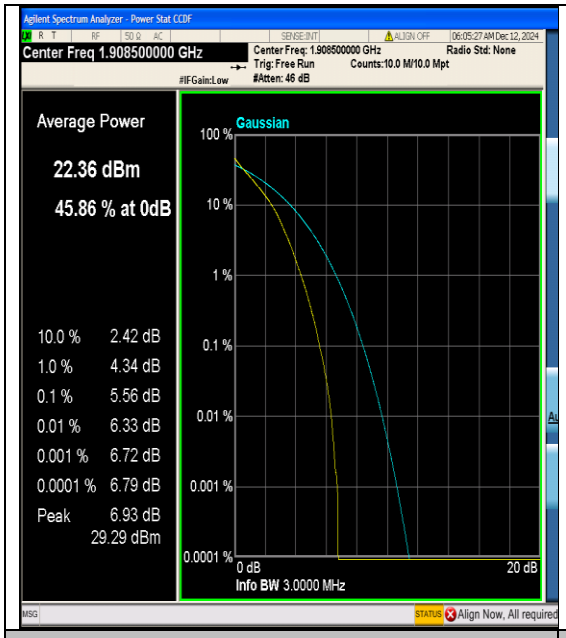
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



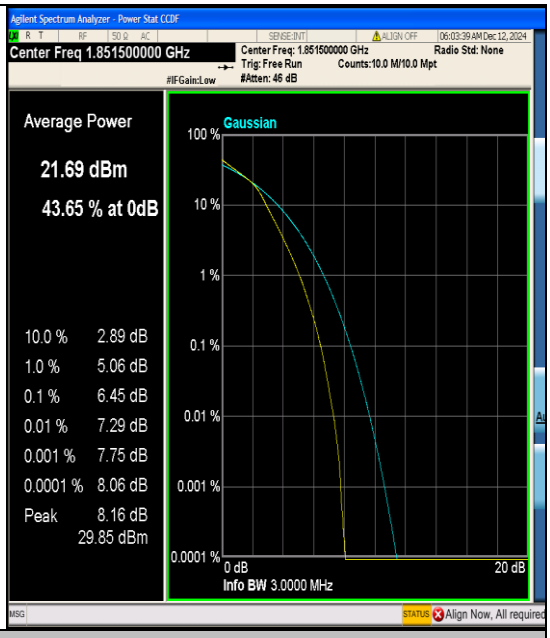
Band2-3MHz-QPSK-18615-15RB#0-PASS



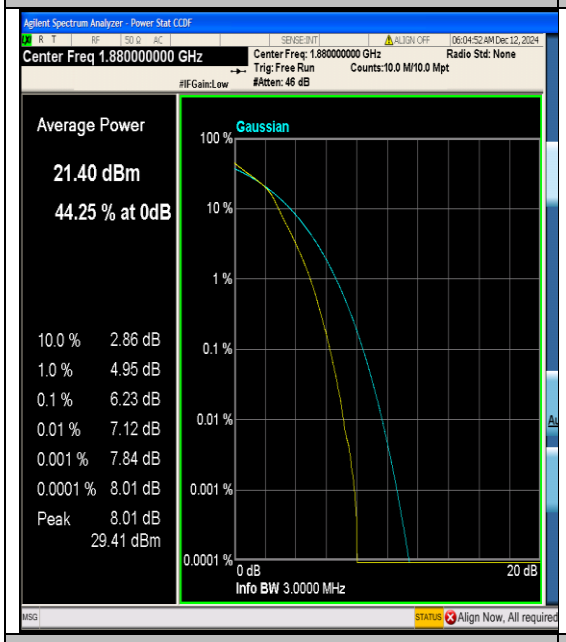
Band2-3MHz-QPSK-18900-15RB#0-PASS



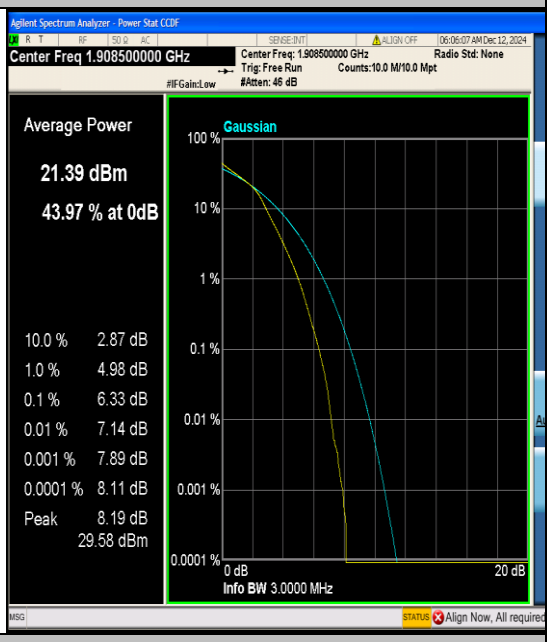
Band2-3MHz-QPSK-19185-15RB#0-PASS



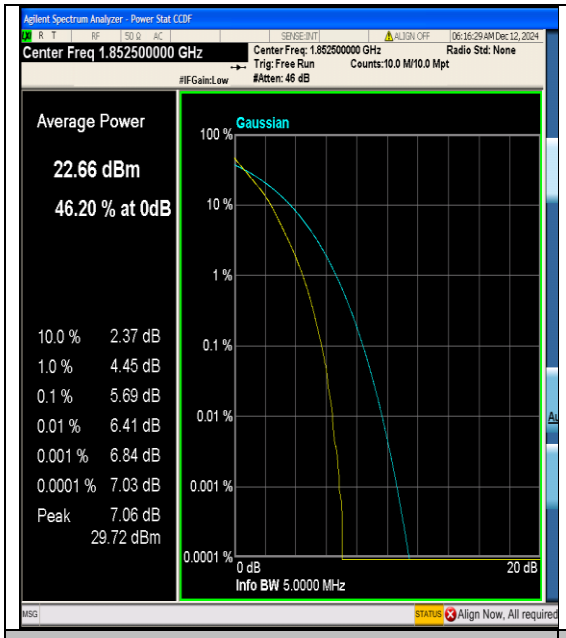
Band2-3MHz-16QAM-18615-15RB#0-PASS



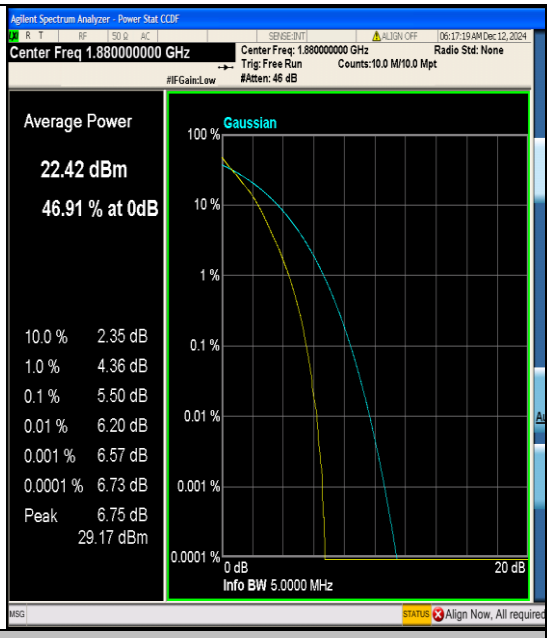
Band2-3MHz-16QAM-18900-15RB#0-PASS



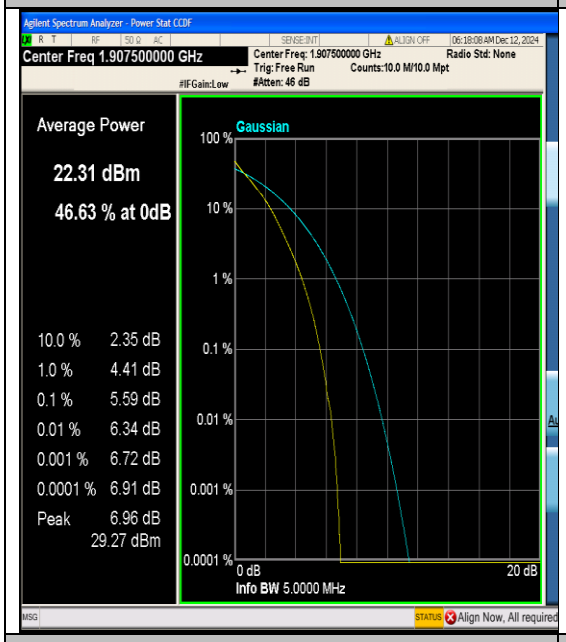
Band2-3MHz-16QAM-19185-15RB#0-PASS



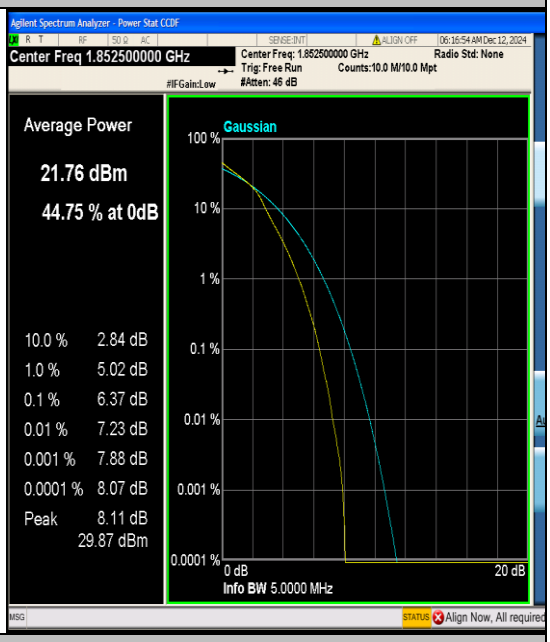
Band2-5MHz-QPSK-18625-25RB#0-PASS



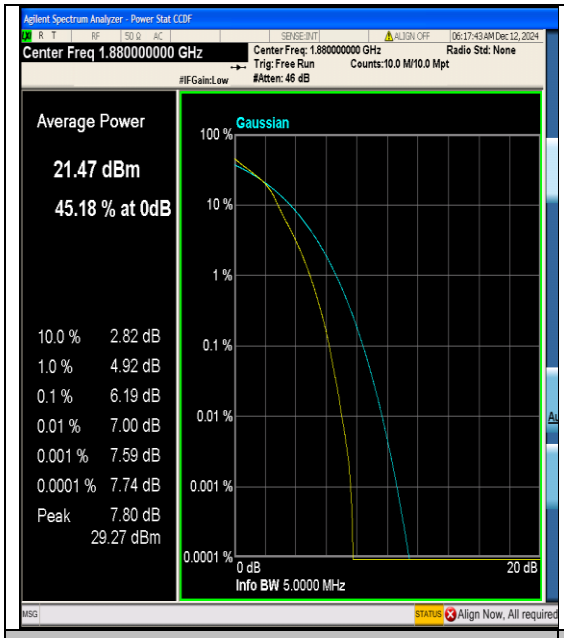
Band2-5MHz-QPSK-18900-25RB#0-PASS



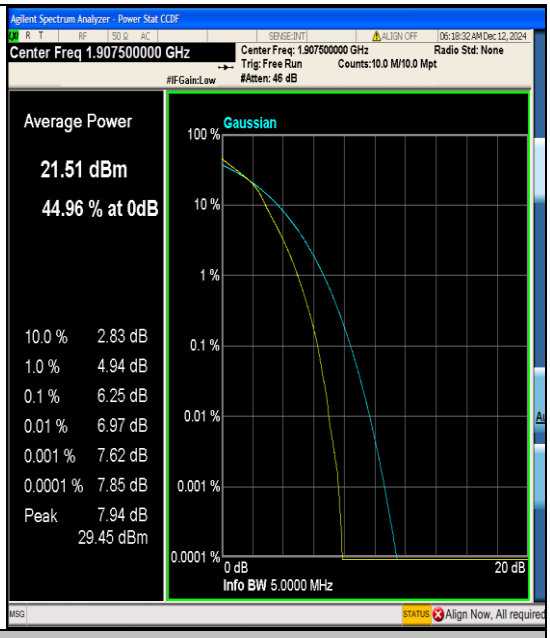
Band2-5MHz-QPSK-19175-25RB#0-PASS



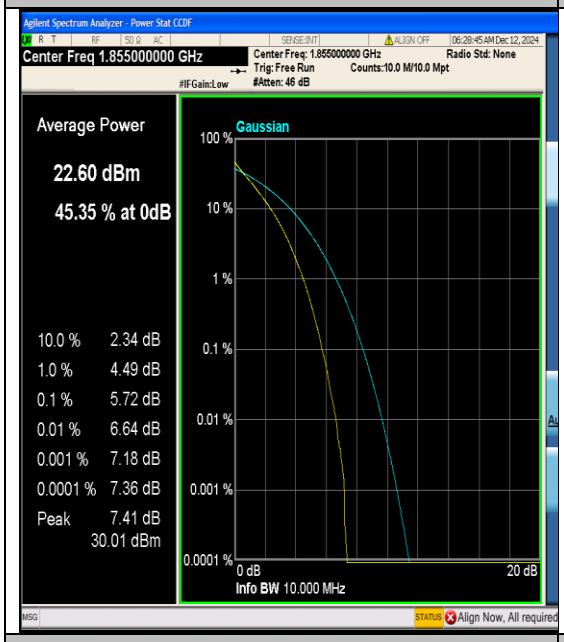
Band2-5MHz-16QAM-18625-25RB#0-PASS



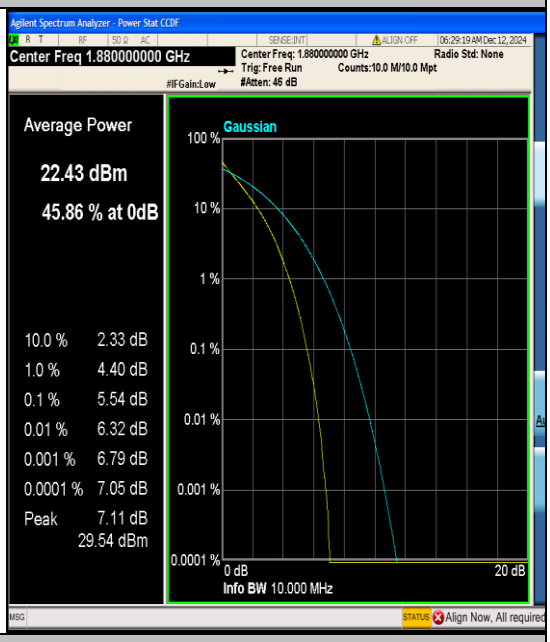
Band2-5MHz-16QAM-18900-25RB#0-PASS



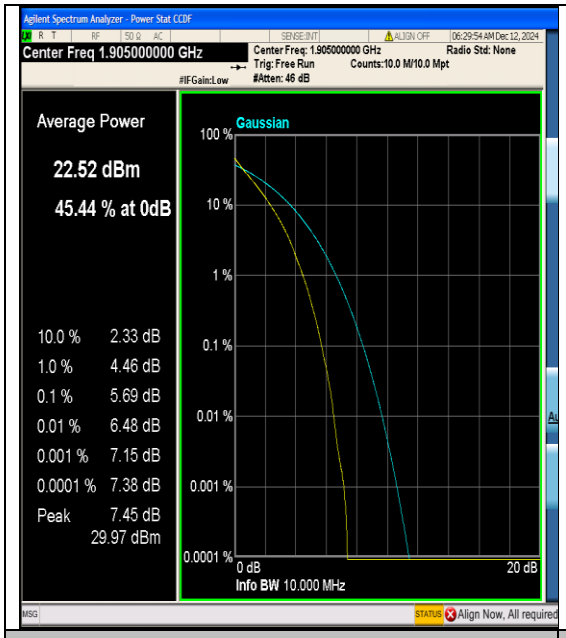
Band2-5MHz-16QAM-19175-25RB#0-PASS



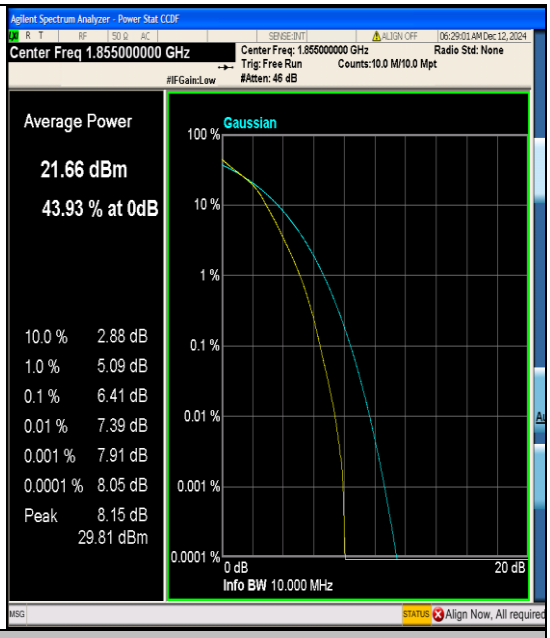
Band2-10MHz-QPSK-18650-50RB#0-PASS



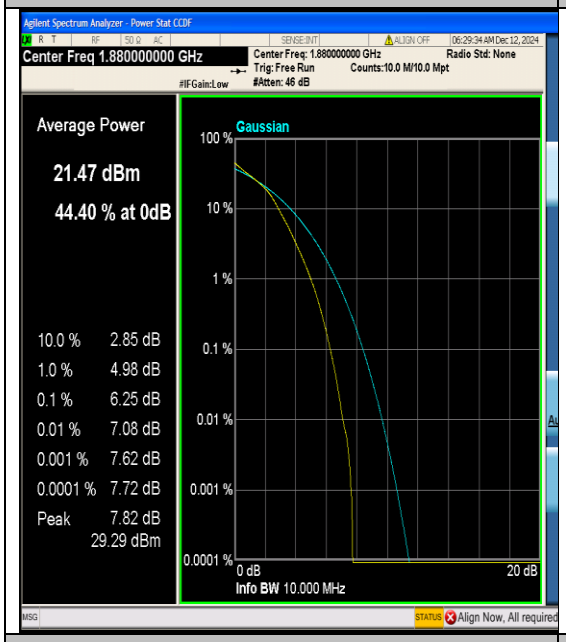
Band2-10MHz-QPSK-18900-50RB#0-PASS



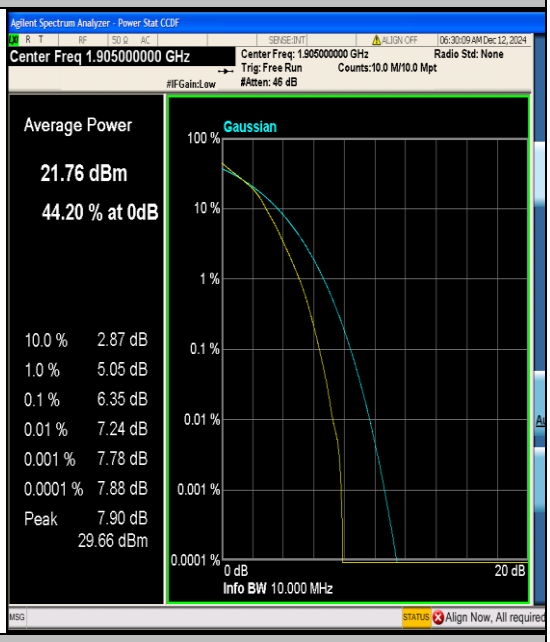
Band2-10MHz-QPSK-19150-50RB#0-PASS



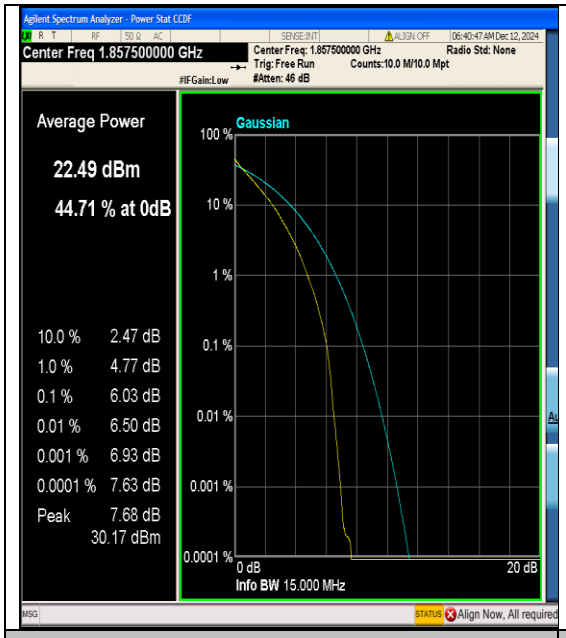
Band2-10MHz-16QAM-18650-50RB#0-PASS



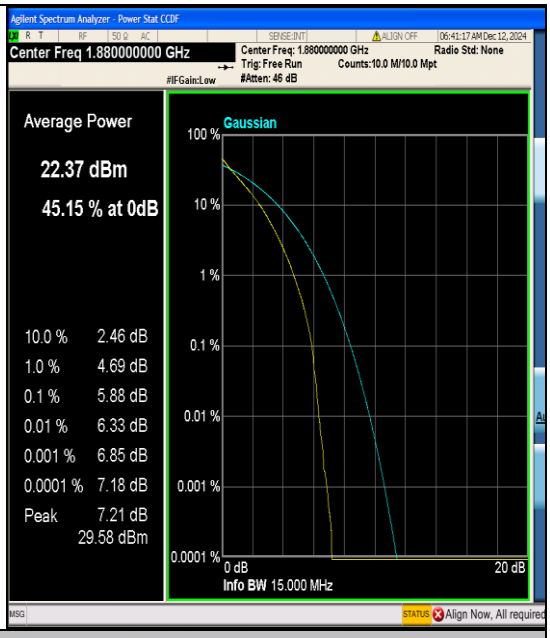
Band2-10MHz-16QAM-18900-50RB#0-PASS



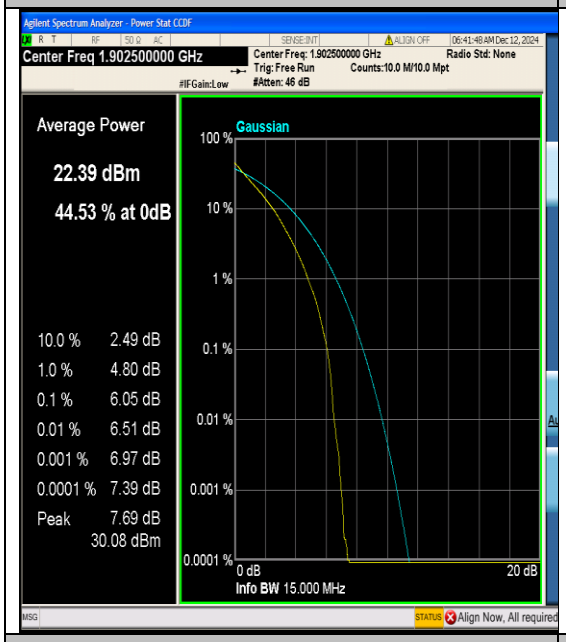
Band2-10MHz-16QAM-19150-50RB#0-PASS



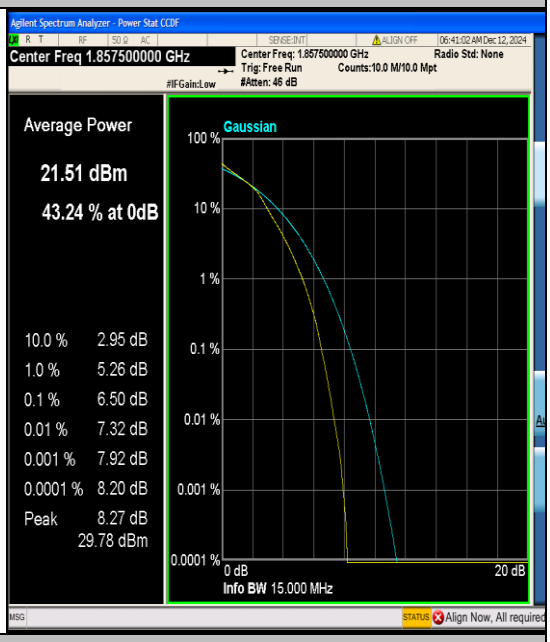
Band2-15MHz-QPSK-18675-75RB#0-PASS



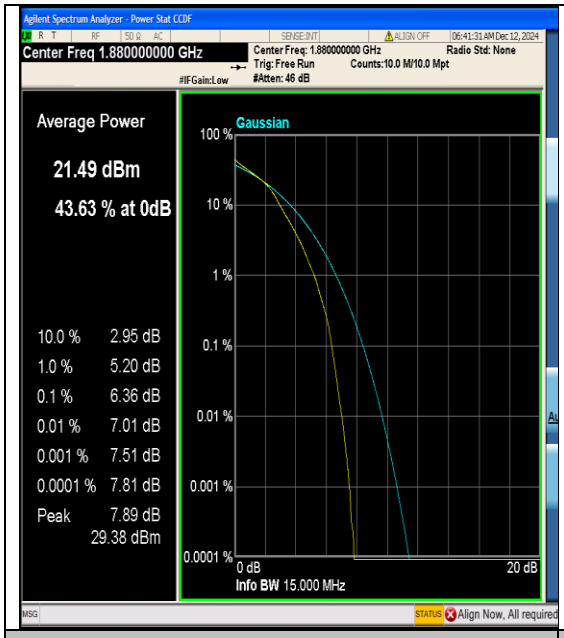
Band2-15MHz-QPSK-18900-75RB#0-PASS



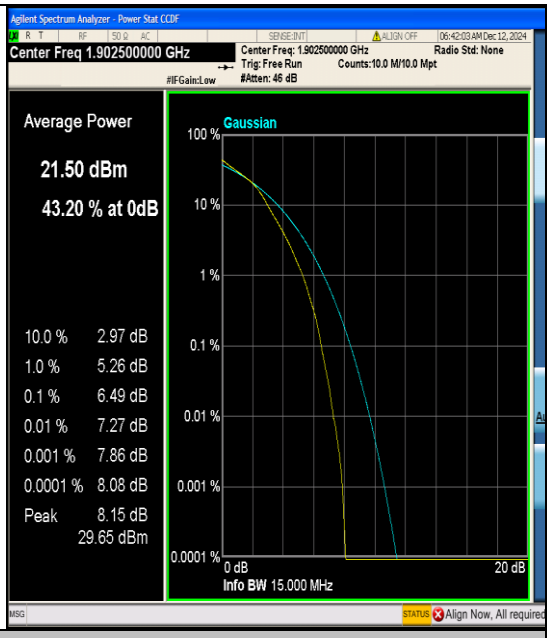
Band2-15MHz-QPSK-19125-75RB#0-PASS



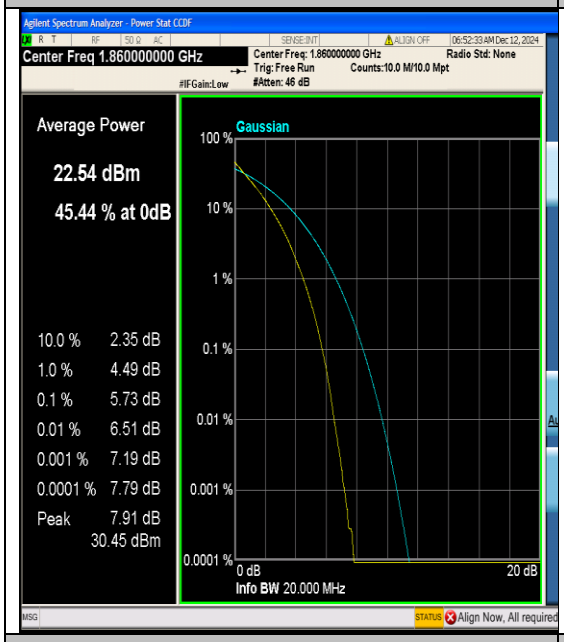
Band2-15MHz-16QAM-18675-75RB#0-PASS



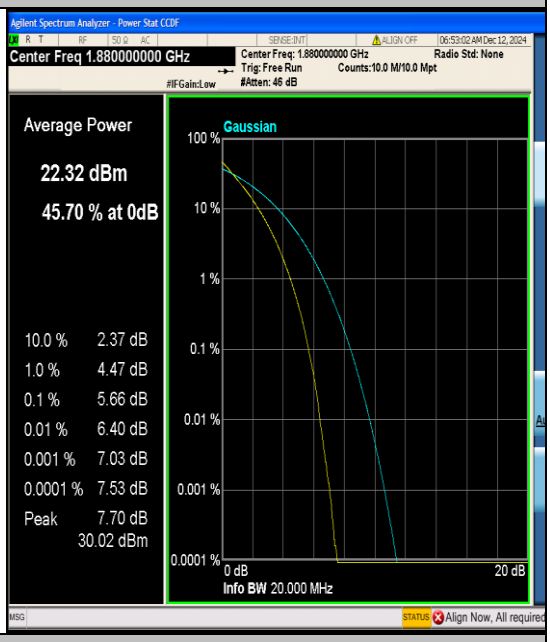
Band2-15MHz-16QAM-18900-75RB#0-PASS



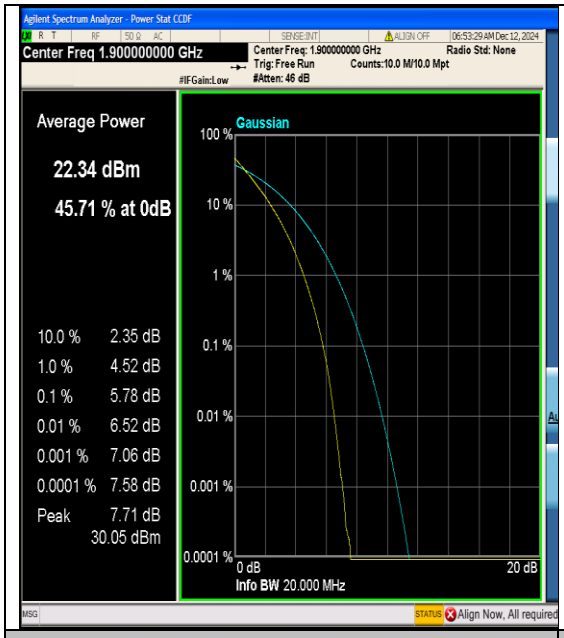
Band2-15MHz-16QAM-19125-75RB#0-PASS



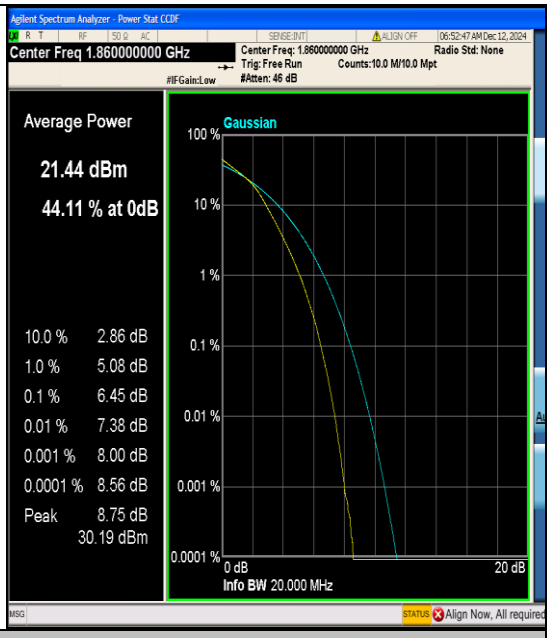
Band2-20MHz-QPSK-18700-100RB#0-PASS



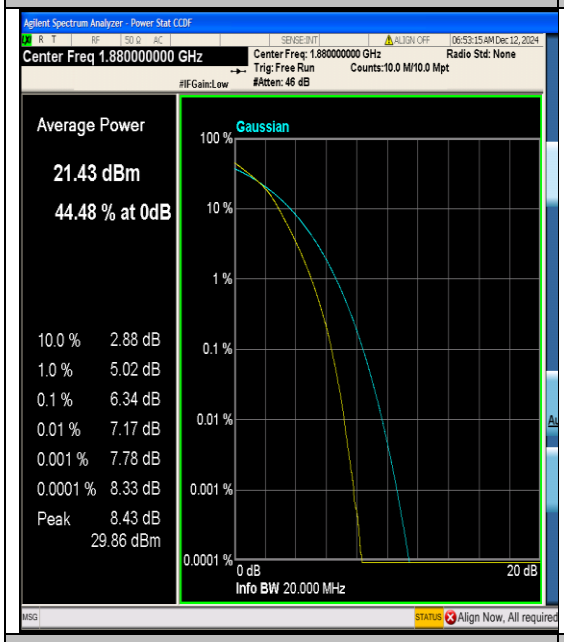
Band2-20MHz-QPSK-18900-100RB#0-PASS



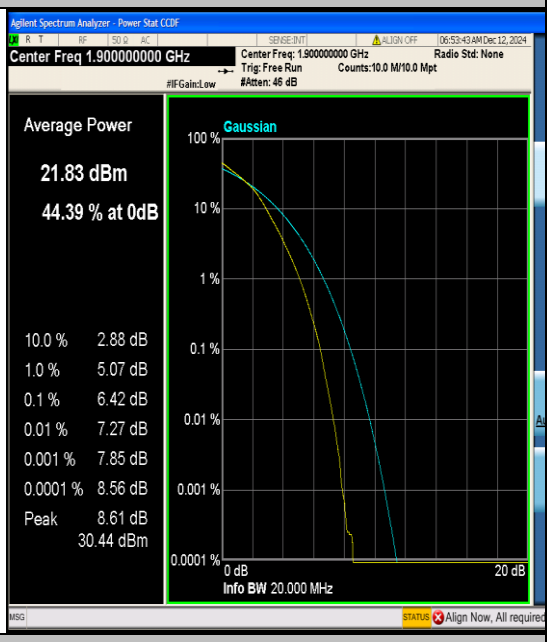
Band2-20MHz-QPSK-19100-100RB#0-PASS



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



Band2-20MHz-16QAM-18900-100RB#0-PASS



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

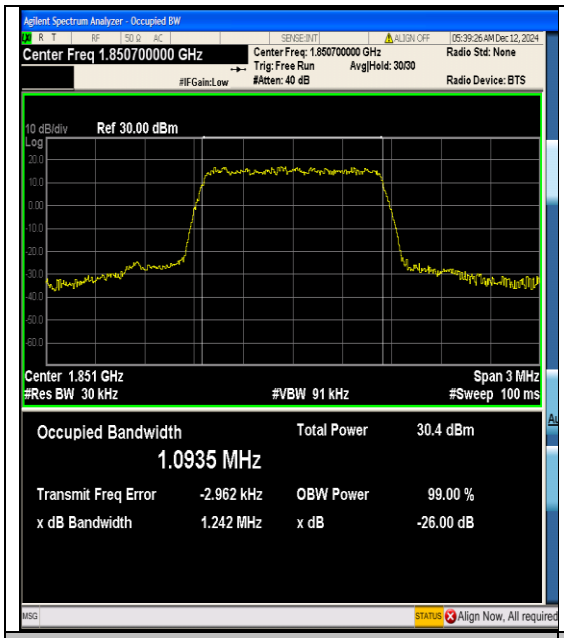
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

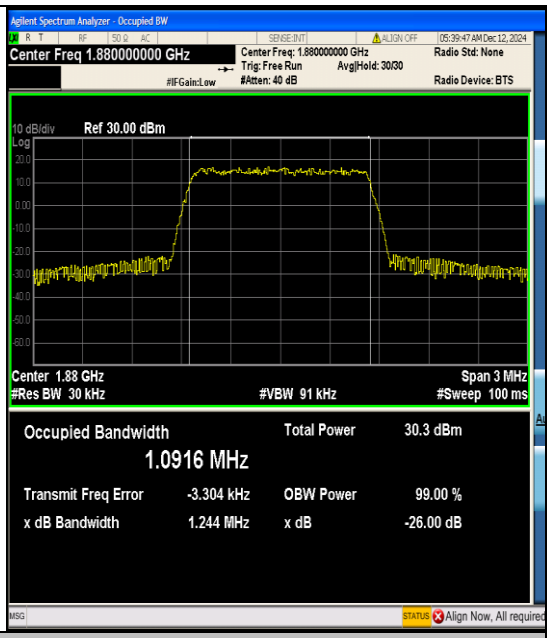
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0935	1.242	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0916	1.244	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0894	1.238	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1018	1.247	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0998	1.249	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1015	1.248	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7115	3.041	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7085	3.010	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7098	3.024	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6953	3.008	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6966	3.018	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6993	3.015	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5061	4.978	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5099	4.983	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5072	4.972	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5019	4.954	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5027	4.964	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4976	4.958	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0004	9.864	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9963	9.880	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0006	9.908	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9869	9.937	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9854	9.943	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9770	9.932	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.496	14.97	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.520	14.96	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.519	14.97	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.503	14.95	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.488	14.98	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.506	14.89	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.990	19.64	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.031	19.71	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.013	19.86	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.032	19.73	PASS

Band2	20MHz	16QAM	18900	100RB#0	18.013	19.68	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.995	19.83	PASS

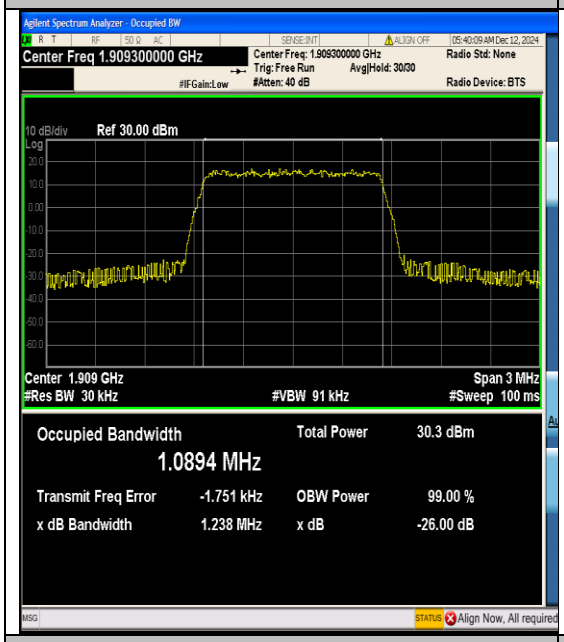
Test Graphs



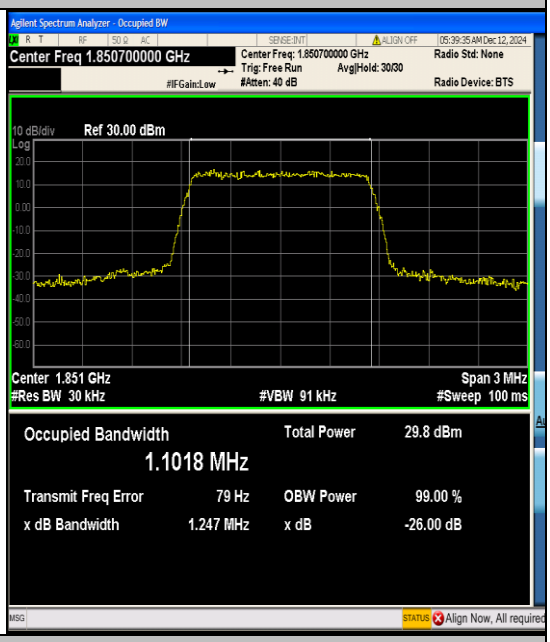
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



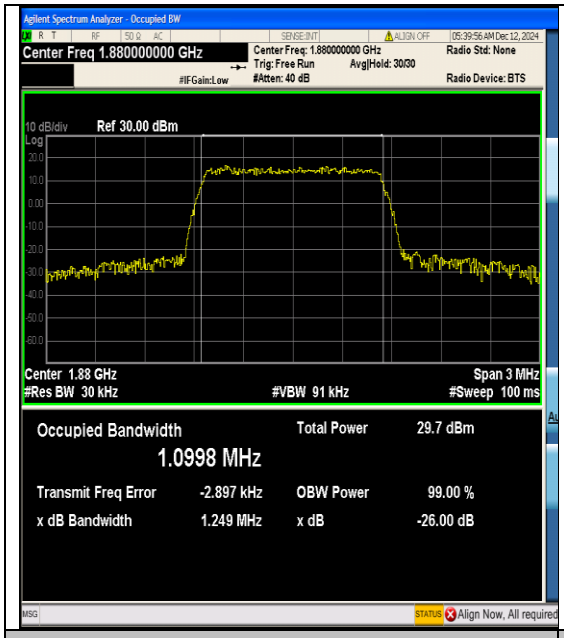
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



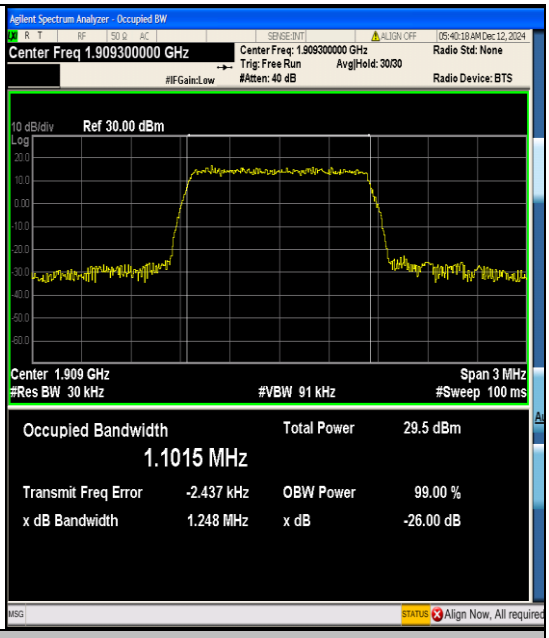
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



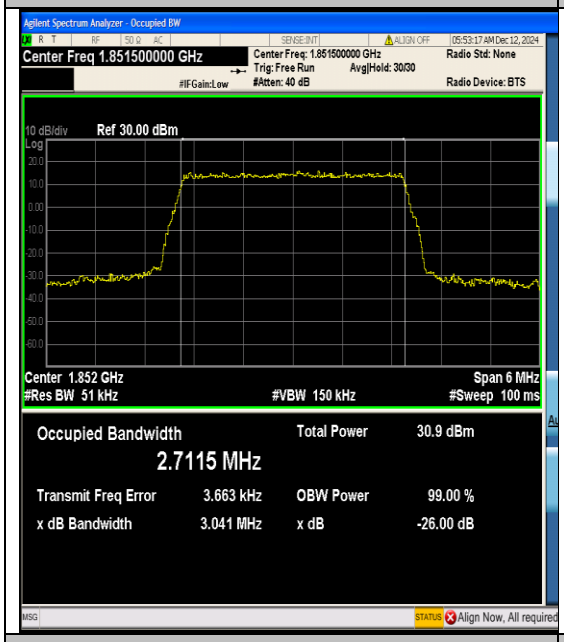
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



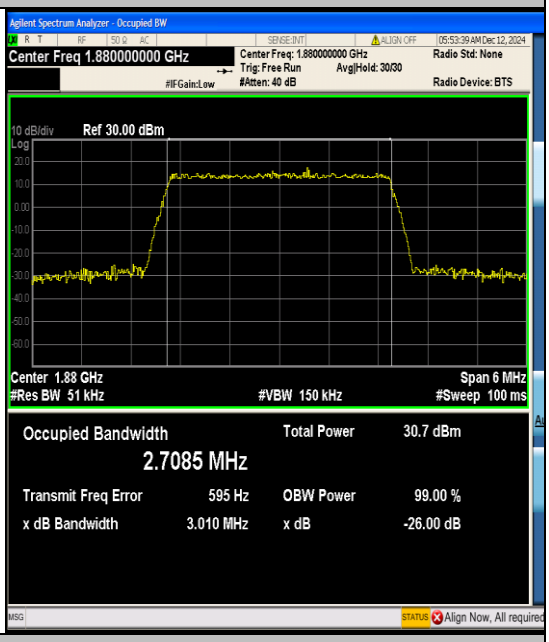
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



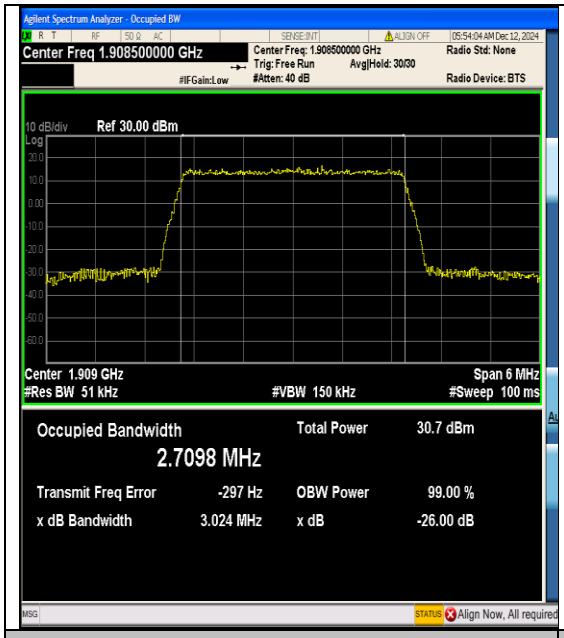
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



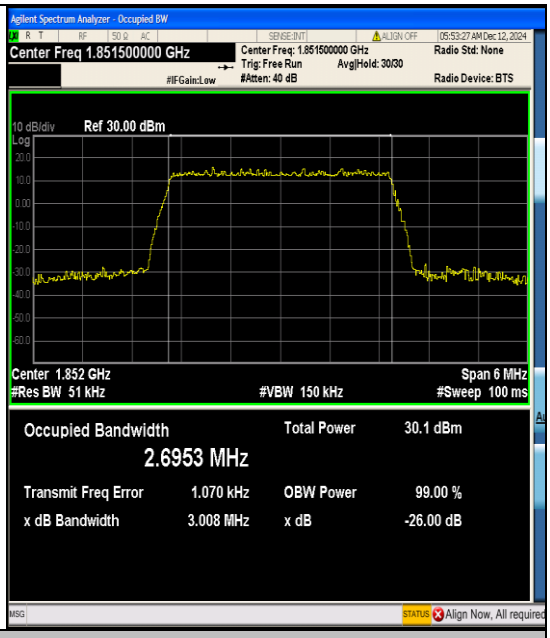
Band2-3MHz-QPSK-18615-15RB#0-PASS



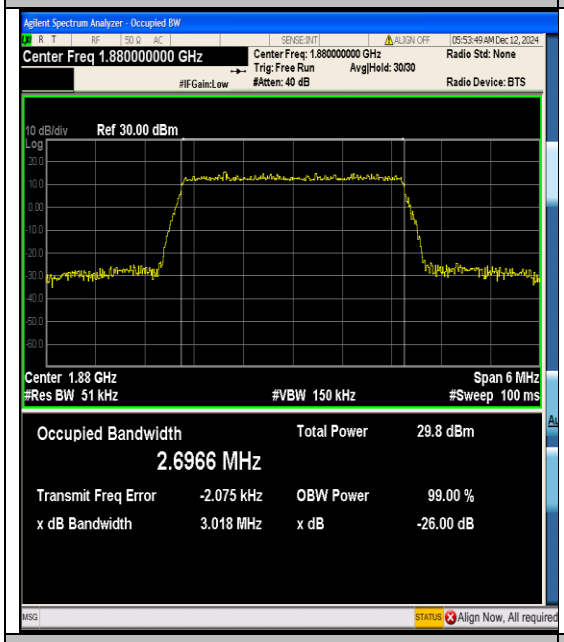
Band2-3MHz-QPSK-18900-15RB#0-PASS



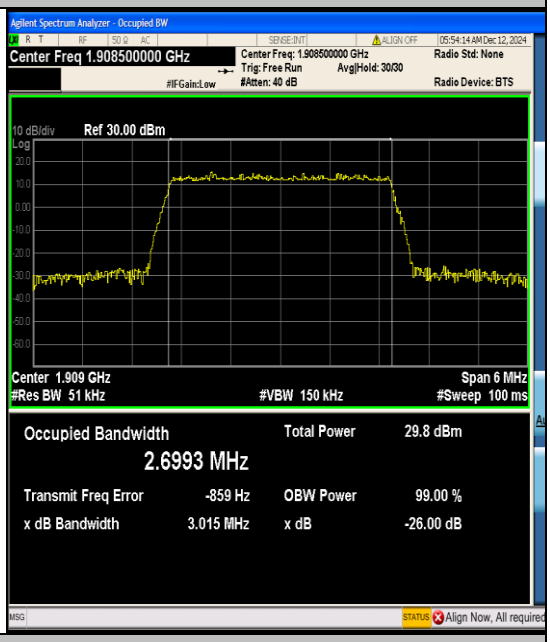
Band2-3MHz-QPSK-19185-15RB#0-PASS



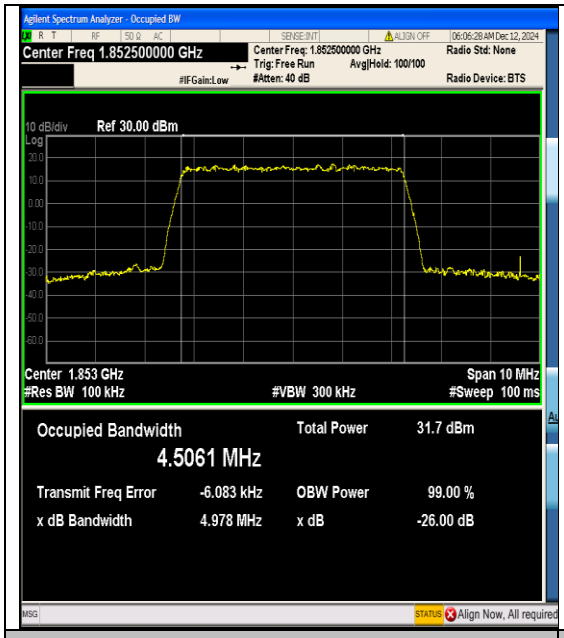
Band2-3MHz-16QAM-18615-15RB#0-PASS



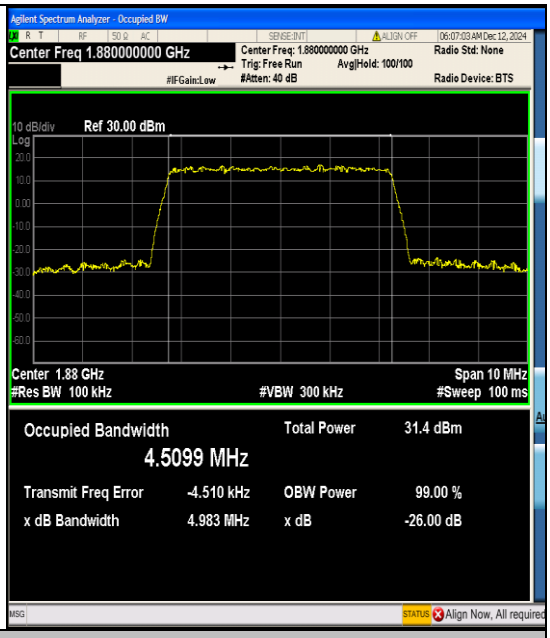
Band2-3MHz-16QAM-18900-15RB#0-PASS



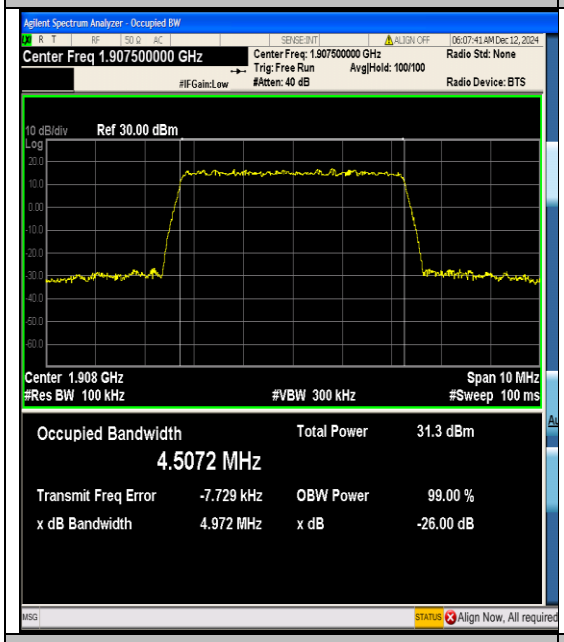
Band2-3MHz-16QAM-19185-15RB#0-PASS



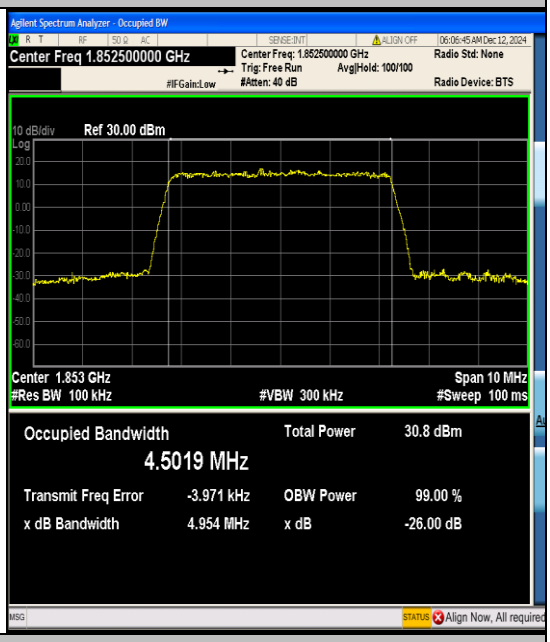
Band2-5MHz-QPSK-18625-25RB#0-PASS



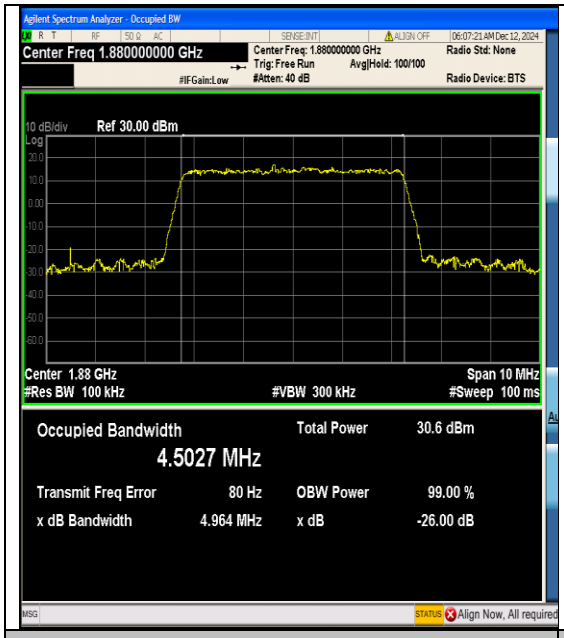
Band2-5MHz-QPSK-18900-25RB#0-PASS



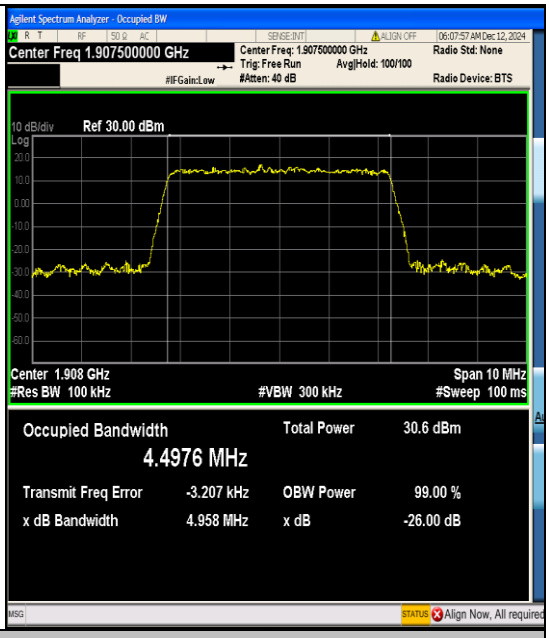
Band2-5MHz-QPSK-19175-25RB#0-PASS



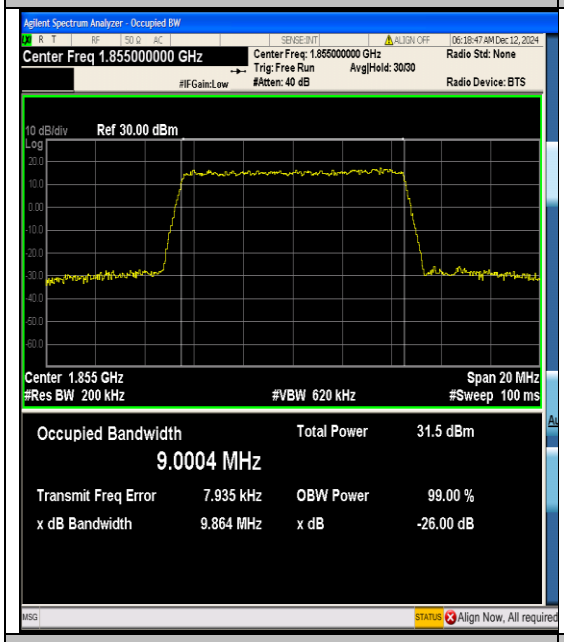
Band2-5MHz-16QAM-18625-25RB#0-PASS



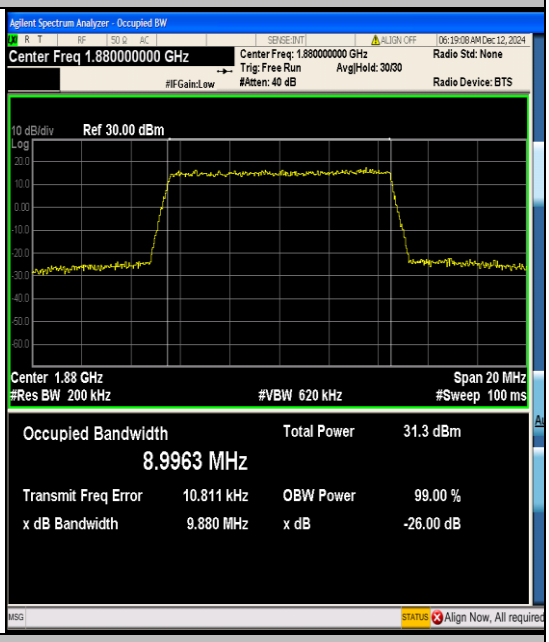
Band2-5MHz-16QAM-18900-25RB#0-PASS



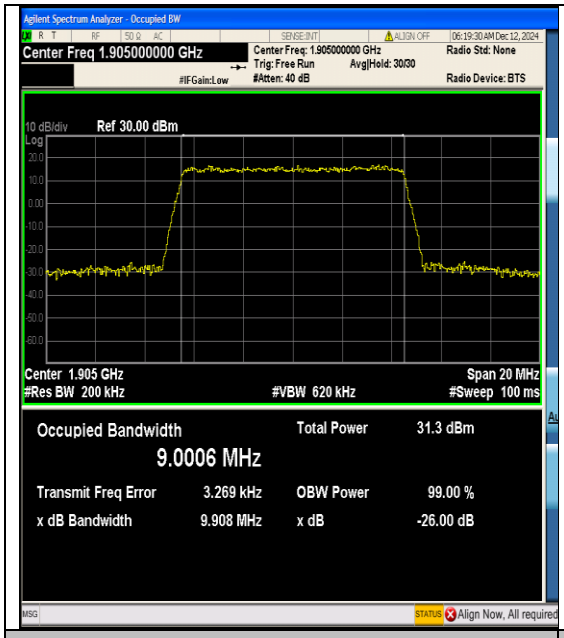
Band2-5MHz-16QAM-19175-25RB#0-PASS



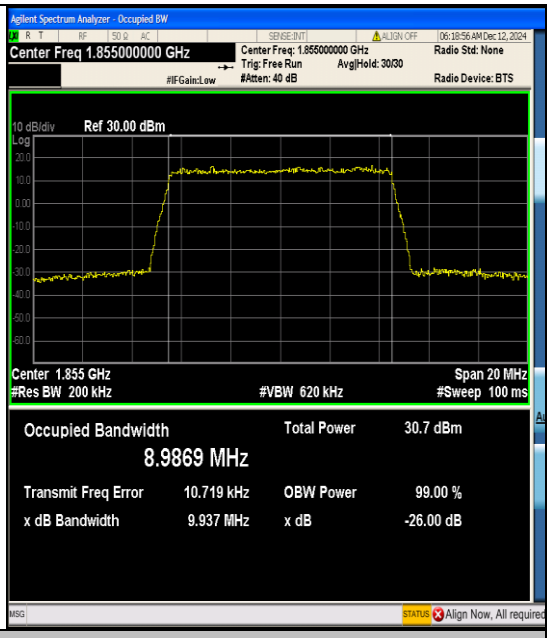
Band2-10MHz-QPSK-18650-50RB#0-PASS



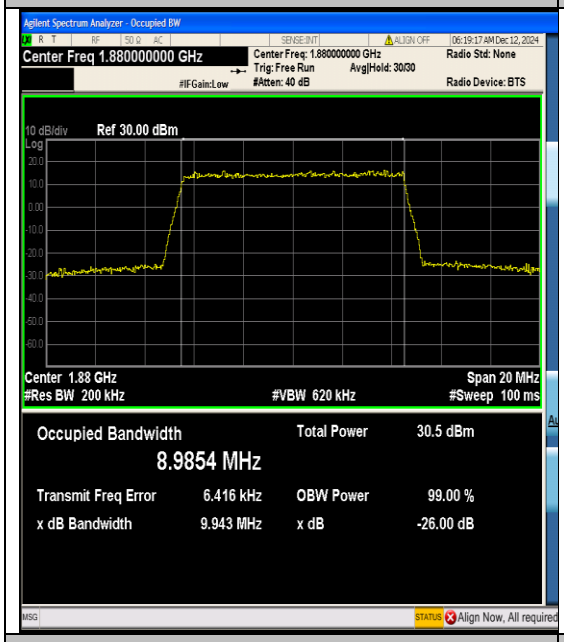
Band2-10MHz-QPSK-18900-50RB#0-PASS



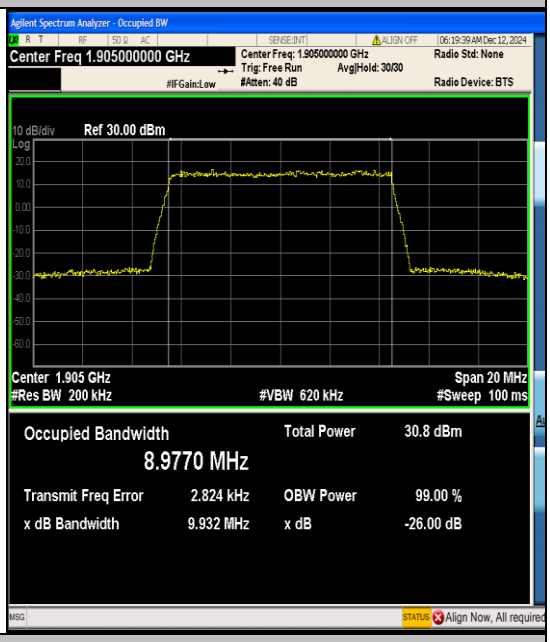
Band2-10MHz-QPSK-19150-50RB#0-PASS



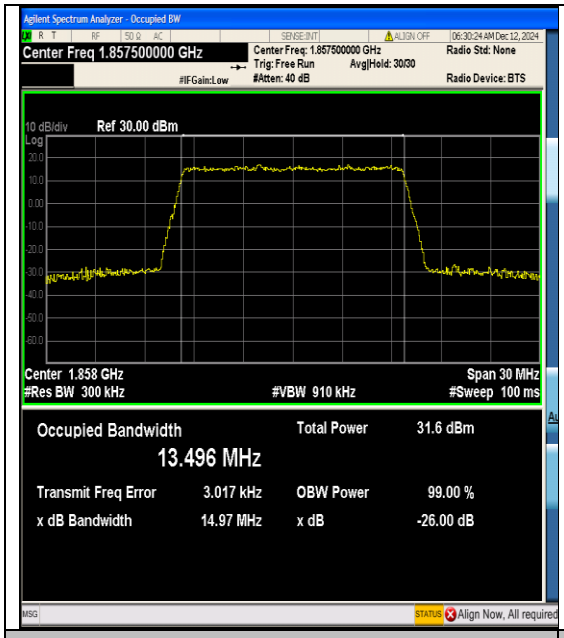
Band2-10MHz-16QAM-18650-50RB#0-PASS



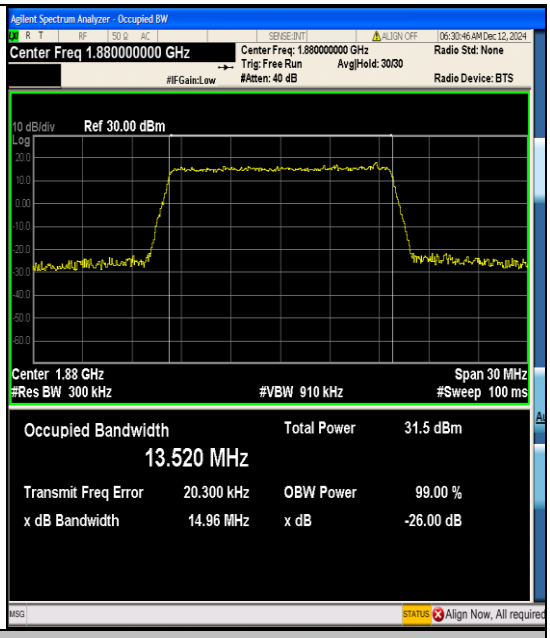
Band2-10MHz-16QAM-18900-50RB#0-PASS



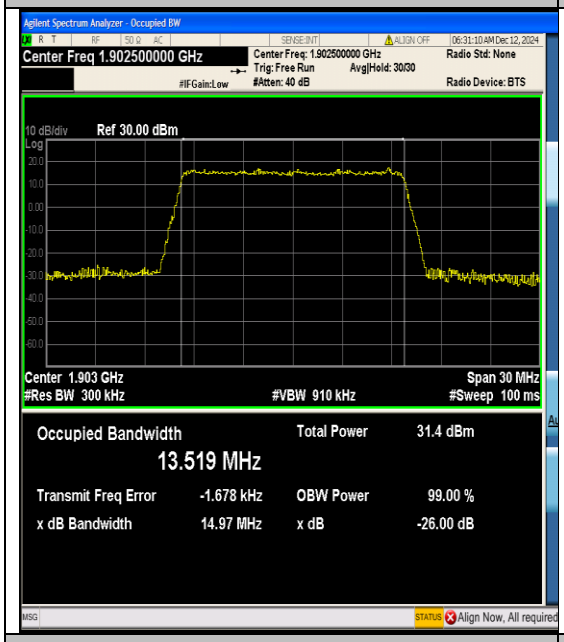
Band2-10MHz-16QAM-19150-50RB#0-PASS



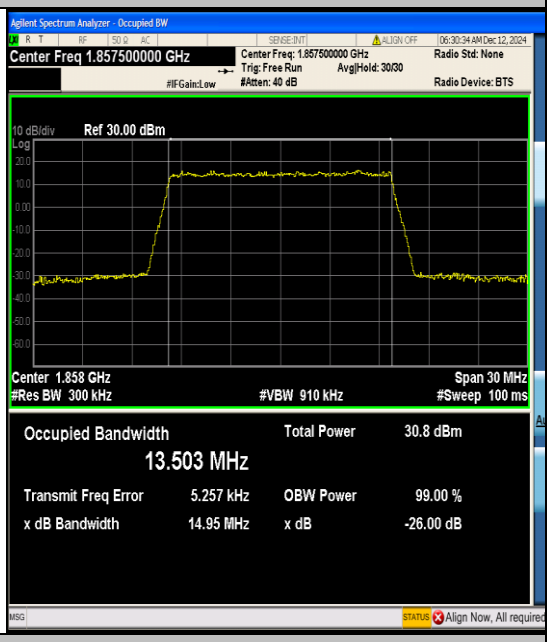
Band2-15MHz-QPSK-18675-75RB#0-PASS



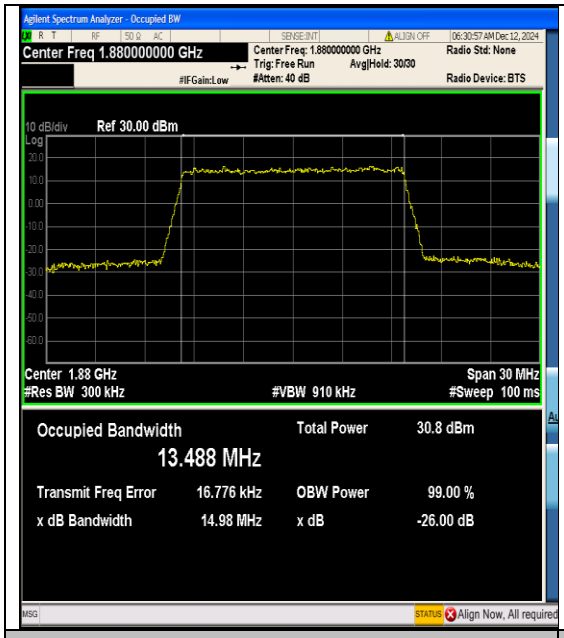
Band2-15MHz-QPSK-18900-75RB#0-PASS



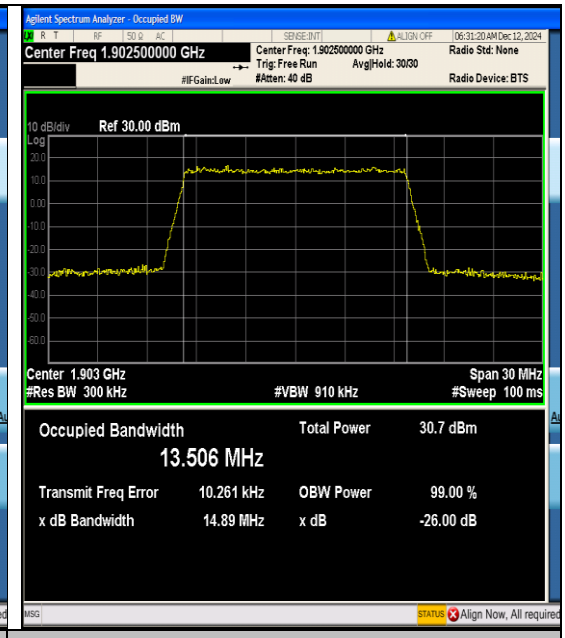
Band2-15MHz-QPSK-19125-75RB#0-PASS



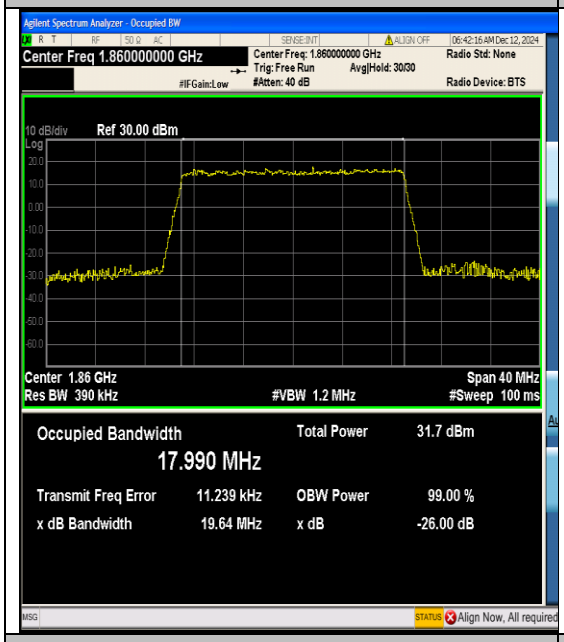
Band2-15MHz-16QAM-18675-75RB#0-PASS



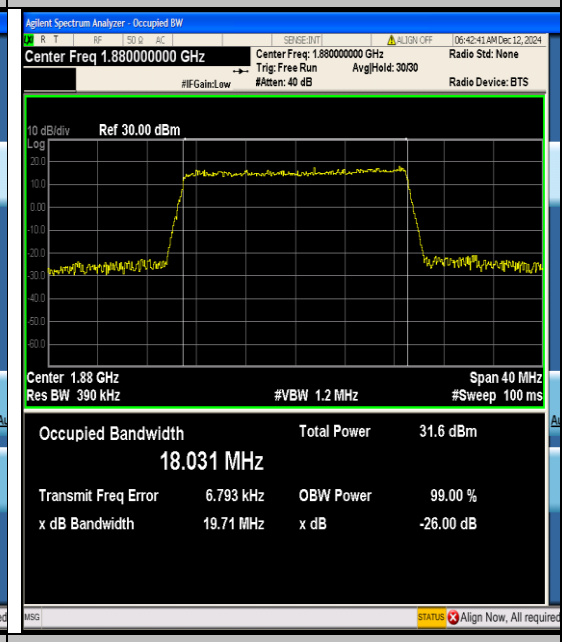
Band2-15MHz-16QAM-18900-75RB#0-PASS



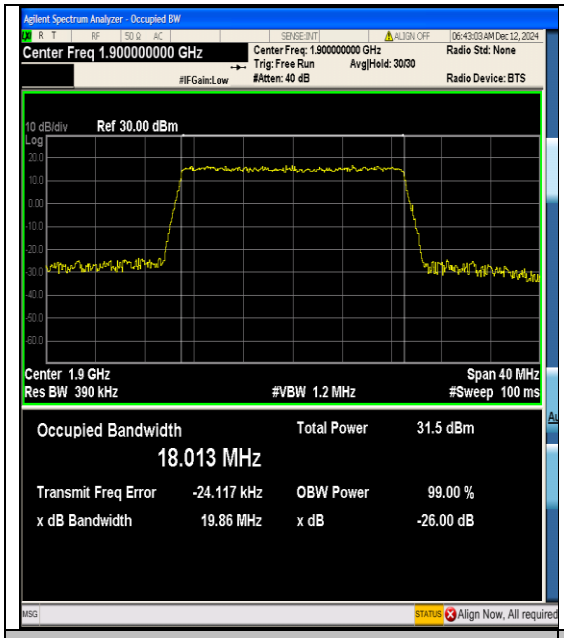
Band2-15MHz-16QAM-19125-75RB#0-PASS



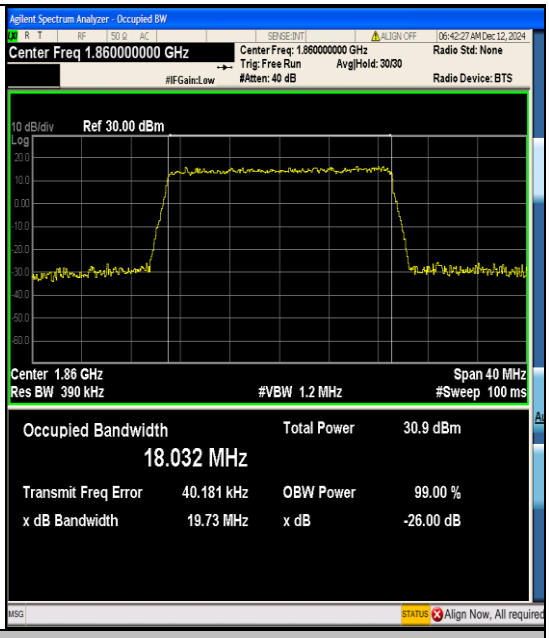
Band2-20MHz-QPSK-18700-100RB#0-PASS



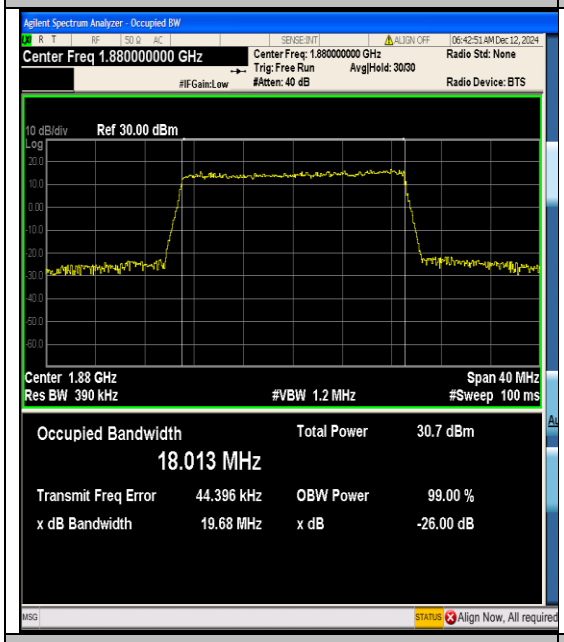
Band2-20MHz-QPSK-18900-100RB#0-PASS



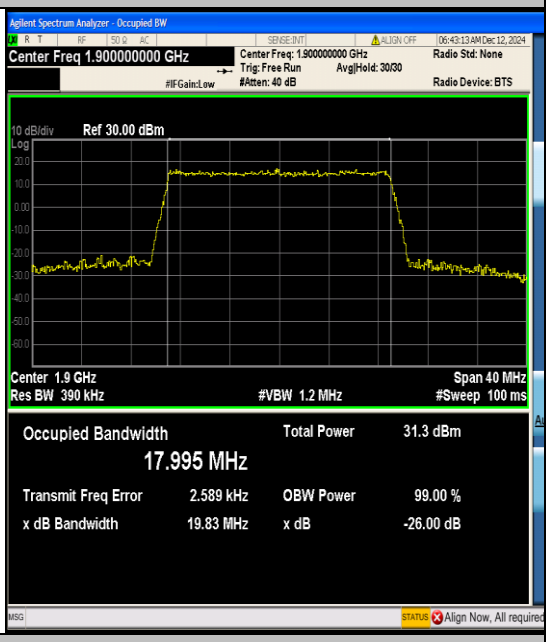
Band2-20MHz-QPSK-19100-100RB#0-PASS



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



Band2-20MHz-16QAM-18900-100RB#0-PASS



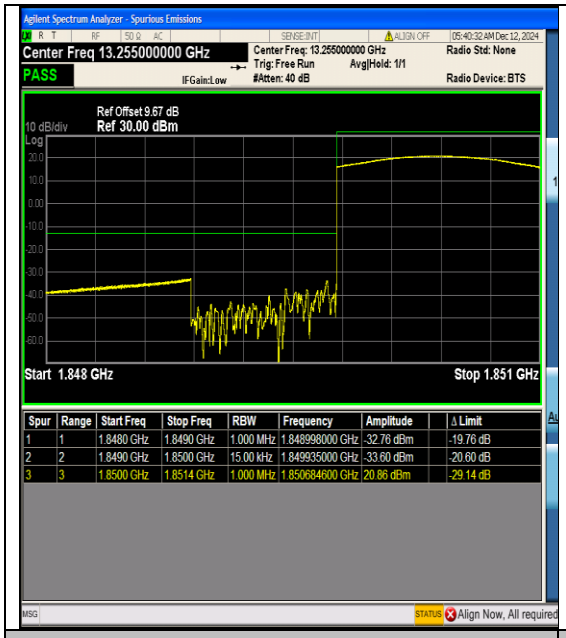
Band2-20MHz-16QAM-19100-100RB#0-PASS

Appendix D: Band Edge

Test Result

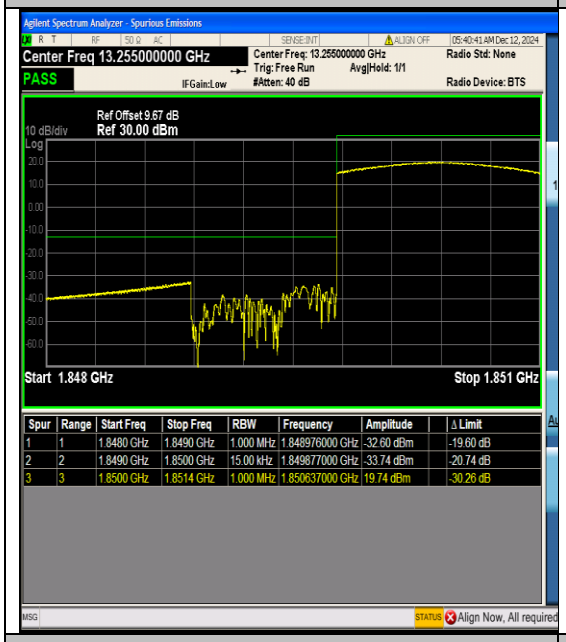
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-32.76	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-32.84	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-32.60	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-33.27	PASS
Band2	3MHz	QPSK	18615	15RB#0	-29.46	PASS
Band2	3MHz	QPSK	19185	15RB#0	-30.06	PASS
Band2	3MHz	16QAM	18615	15RB#0	-30.51	PASS
Band2	3MHz	16QAM	19185	15RB#0	-30.56	PASS
Band2	5MHz	QPSK	18625	25RB#0	-31.64	PASS
Band2	5MHz	QPSK	19175	25RB#0	-35.52	PASS
Band2	5MHz	16QAM	18625	25RB#0	-32.13	PASS
Band2	5MHz	16QAM	19175	25RB#0	-35.09	PASS
Band2	10MHz	QPSK	18650	50RB#0	-33.93	PASS
Band2	10MHz	QPSK	19150	50RB#0	-37.07	PASS
Band2	10MHz	16QAM	18650	50RB#0	-35.37	PASS
Band2	10MHz	16QAM	19150	50RB#0	-36.98	PASS
Band2	15MHz	QPSK	18675	75RB#0	-34.73	PASS
Band2	15MHz	QPSK	19125	75RB#0	-37.80	PASS
Band2	15MHz	16QAM	18675	75RB#0	-35.50	PASS
Band2	15MHz	16QAM	19125	75RB#0	-37.47	PASS
Band2	20MHz	QPSK	18700	100RB#0	-35.94	PASS
Band2	20MHz	QPSK	19100	100RB#0	-40.17	PASS
Band2	20MHz	16QAM	18700	100RB#0	-37.83	PASS
Band2	20MHz	16QAM	19100	100RB#0	-39.44	PASS

Test Graphs

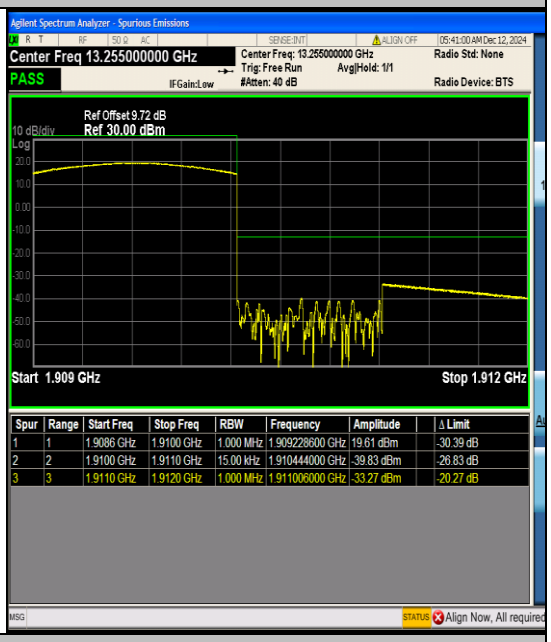


Band2_1.4MHz_QPSK_18607_6RB#0

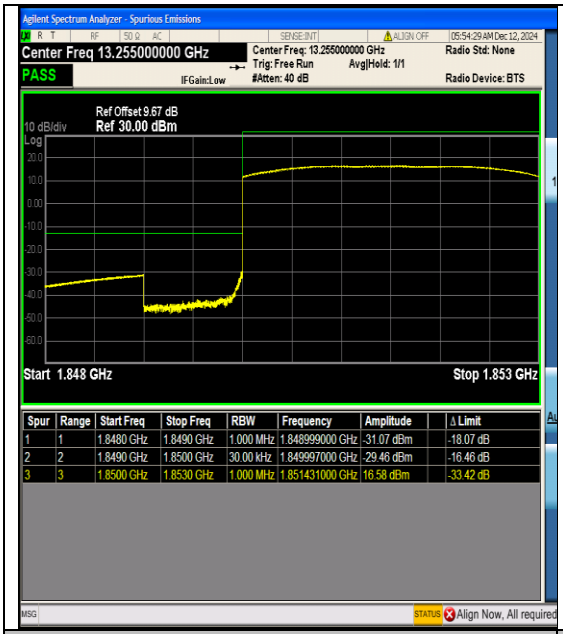
Band2_1.4MHz_QPSK_19193_6RB#0



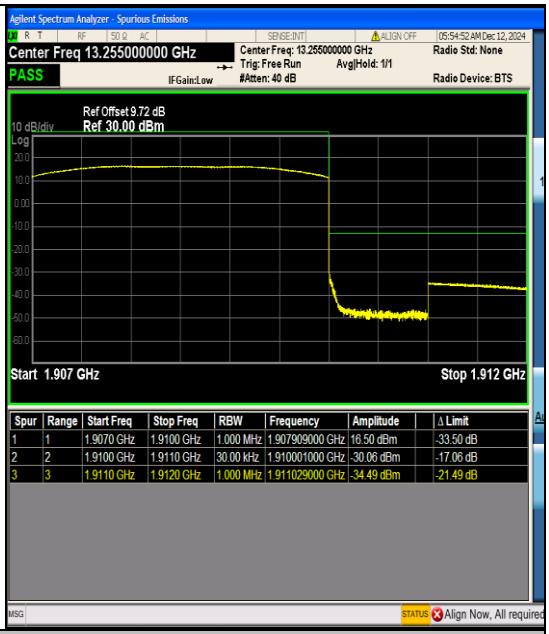
Band2_1.4MHz_16QAM_18607_6RB#0



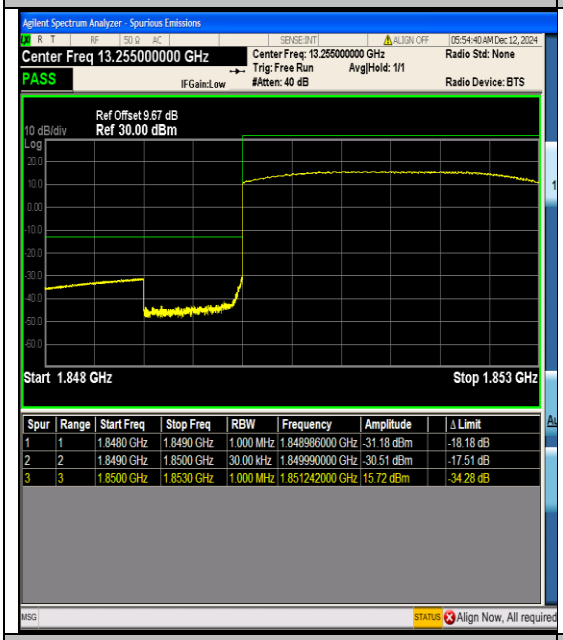
Band2_1.4MHz_16QAM_19193_6RB#0



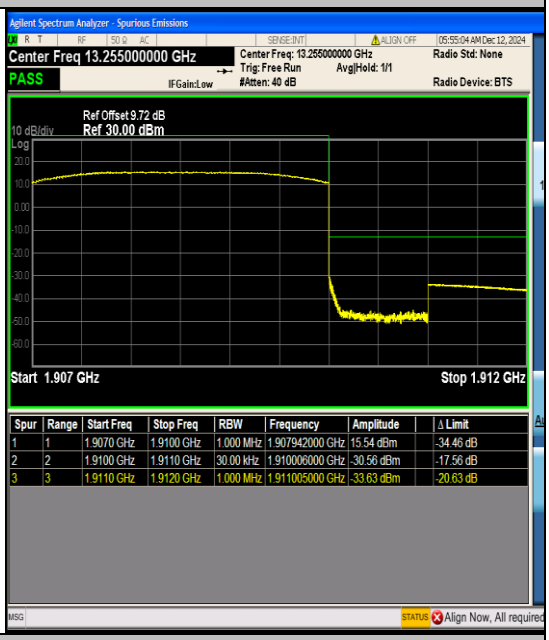
Band2_3MHz_QPSK_18615_15RB#0



Band2_3MHz_QPSK_19185_15RB#0



Band2_3MHz_16QAM_18615_15RB#0



Band2_3MHz_16QAM_19185_15RB#0