FCC LTE Band Test Data

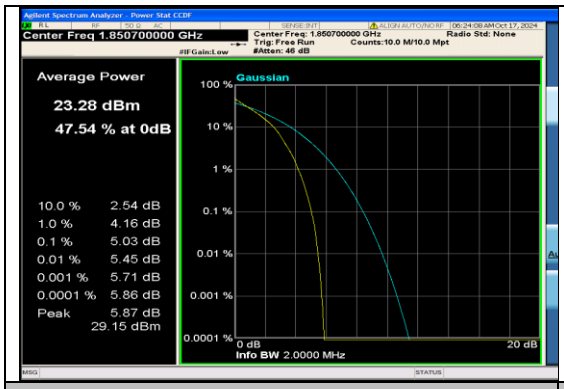
FCC ID	**:**	**2BDCL-M616A**
Company:	**:**	**Signalinks Communication Technology Co.,Ltd**
EUT	**:**	**4G LTE Mobile Wifi**
Model Number	**:**	**M616A**
Reviewed By	**:**	**Eric Wang**

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

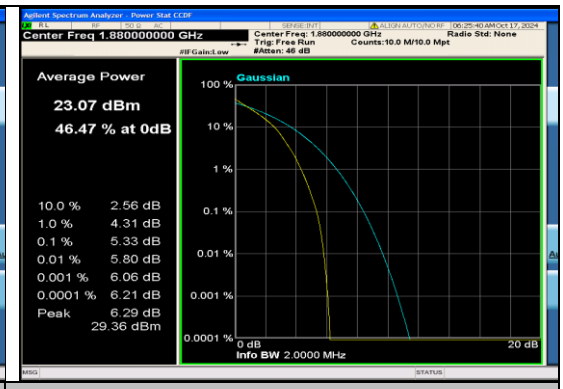
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	5.03	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.33	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.75	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.54	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.86	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.30	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.35	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.49	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.09	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.79	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.06	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.54	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.24	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.42	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.95	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.76	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.00	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.52	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.25	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.45	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.09	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.78	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.02	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.66	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.52	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.76	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.50	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	5.90	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.12	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.91	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.38	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.55	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.36	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.95	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.12	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.99	13	PASS

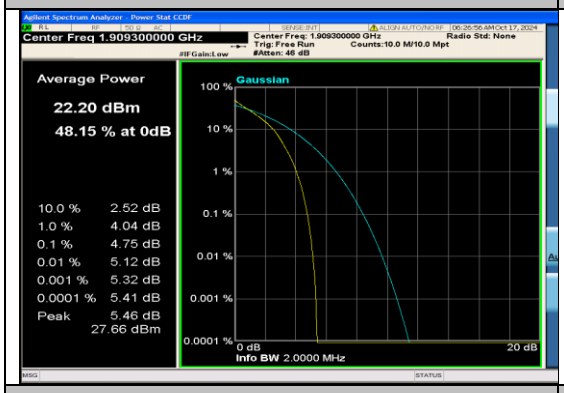
Test Graphs



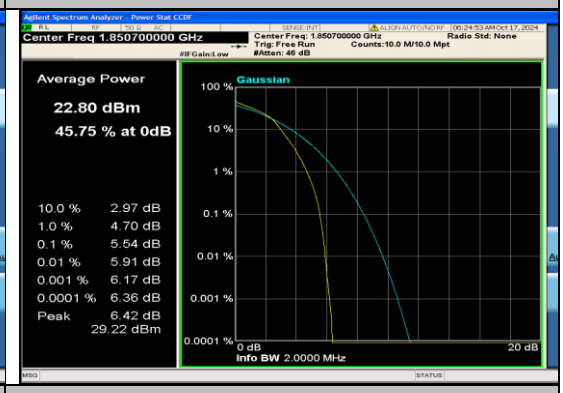
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



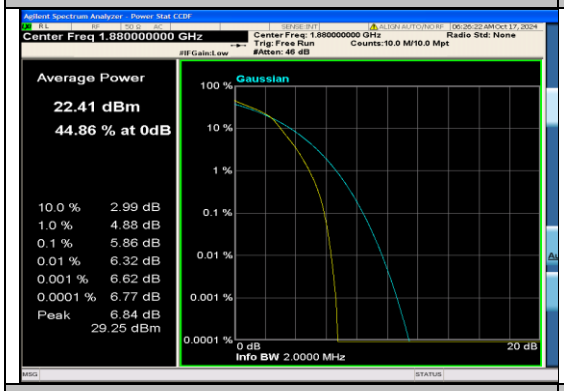
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



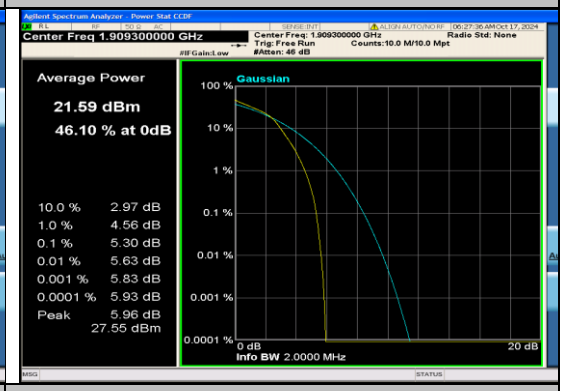
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



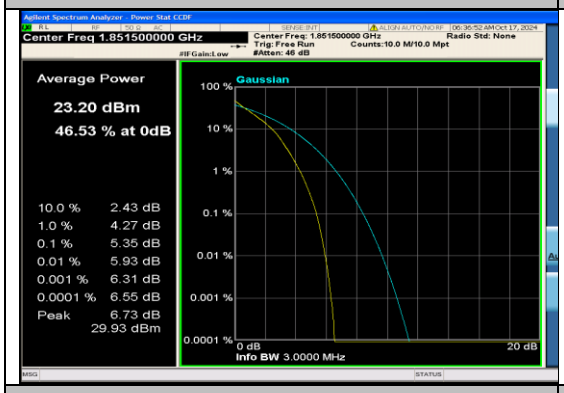
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



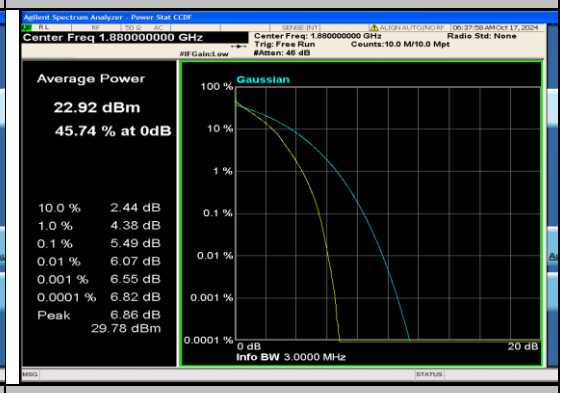
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



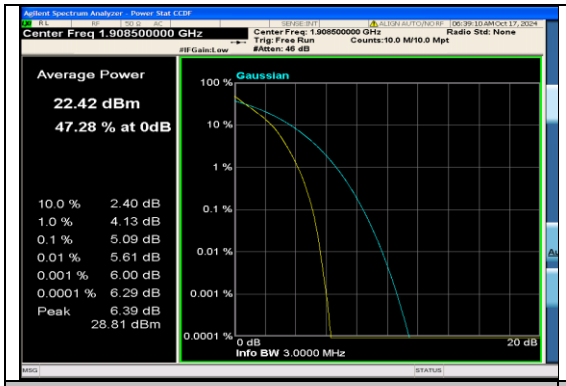
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



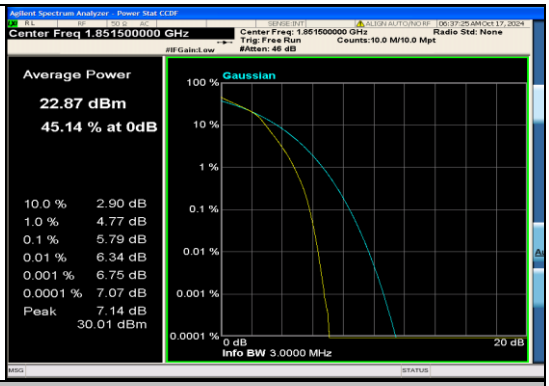
Band2-3MHz-QPSK-18615-15RB#0-PASS



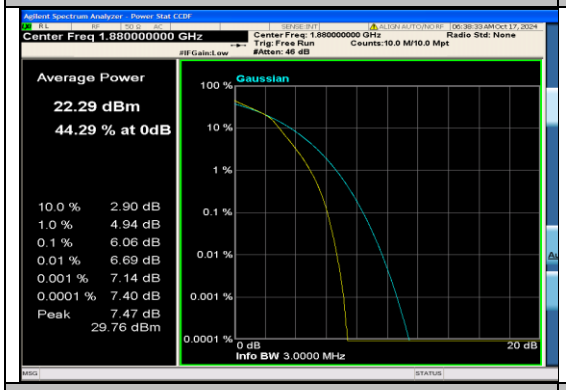
Band2-3MHz-QPSK-18900-15RB#0-PASS



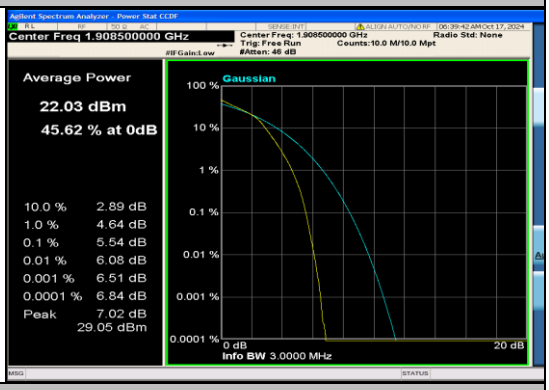
Band2-3MHz-QPSK-19185-15RB#0-PASS



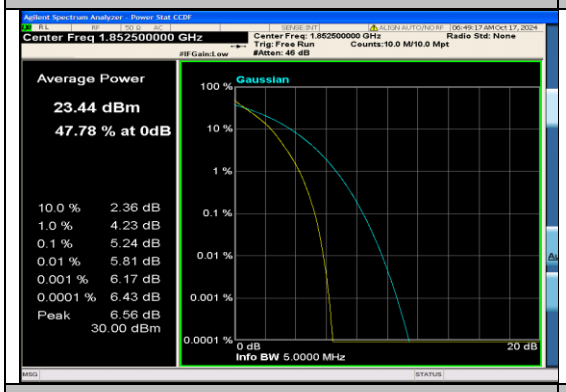
Band2-3MHz-16QAM-18615-15RB#0-PASS



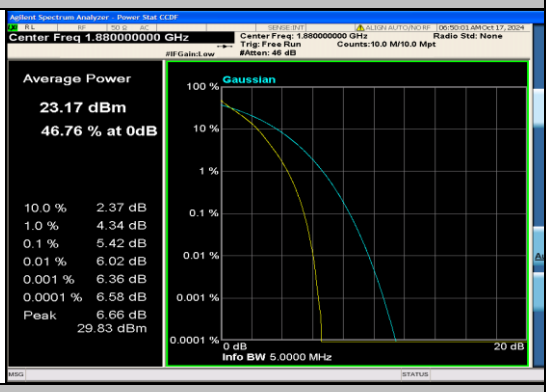
Band2-3MHz-16QAM-18900-15RB#0-PASS



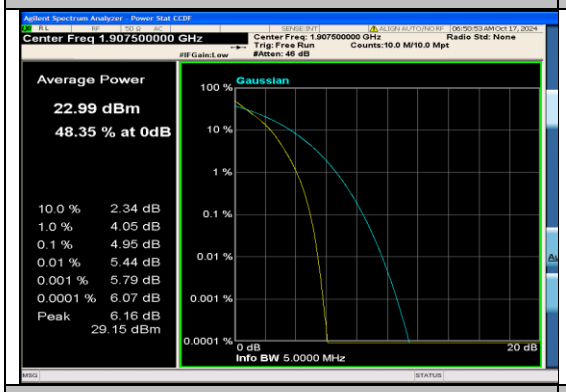
Band2-3MHz-16QAM-19185-15RB#0-PASS



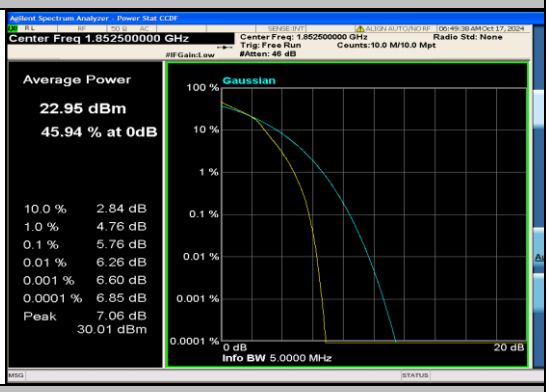
Band2-5MHz-QPSK-18625-25RB#0-PASS



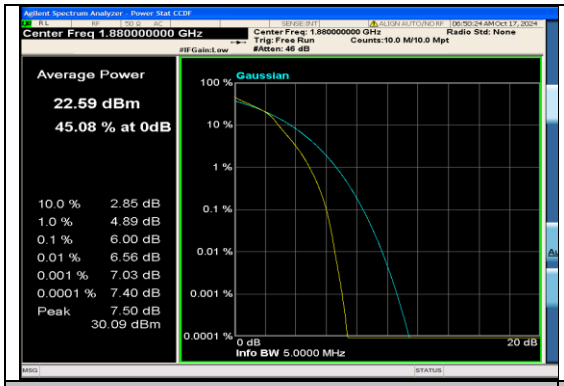
Band2-5MHz-QPSK-18900-25RB#0-PASS



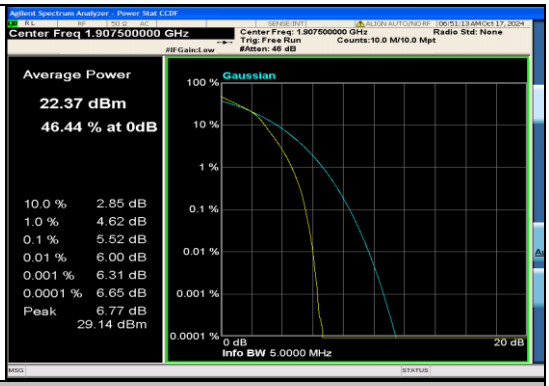
Band2-5MHz-QPSK-19175-25RB#0-PASS



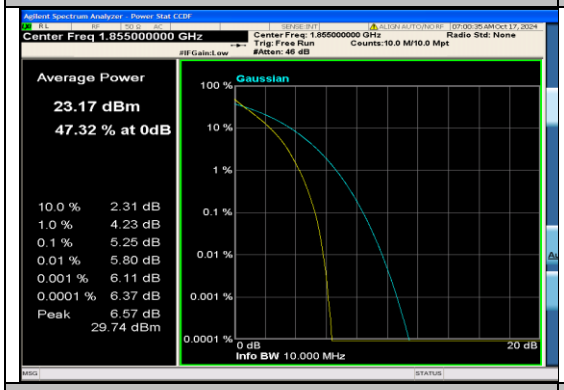
Band2-5MHz-16QAM-18625-25RB#0-PASS



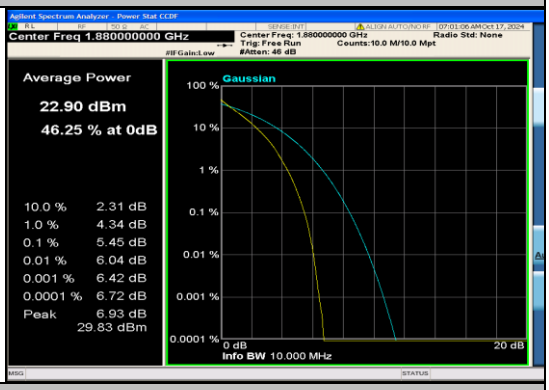
Band2-5MHz-16QAM-18900-25RB#0-PASS



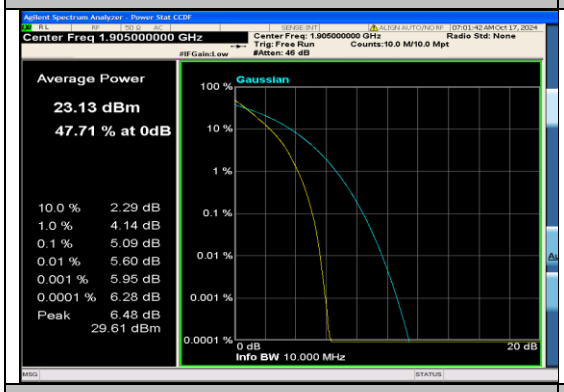
Band2-5MHz-16QAM-19175-25RB#0-PASS



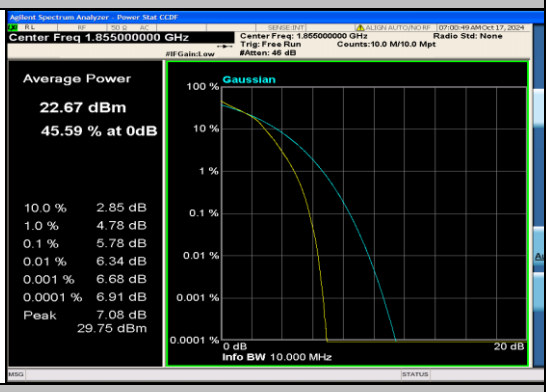
Band2-10MHz-QPSK-18650-50RB#0-PASS



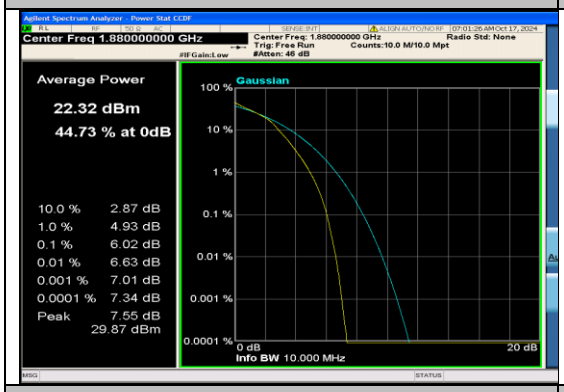
Band2-10MHz-QPSK-18900-50RB#0-PASS



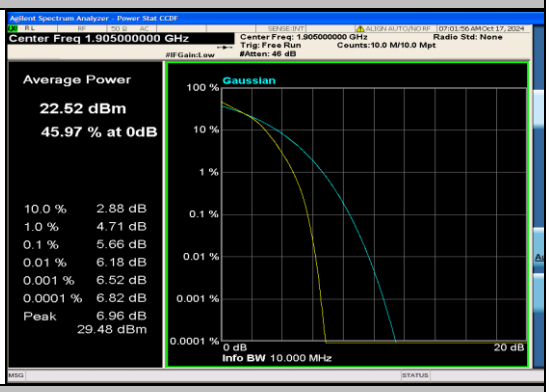
Band2-10MHz-QPSK-19150-50RB#0-PASS



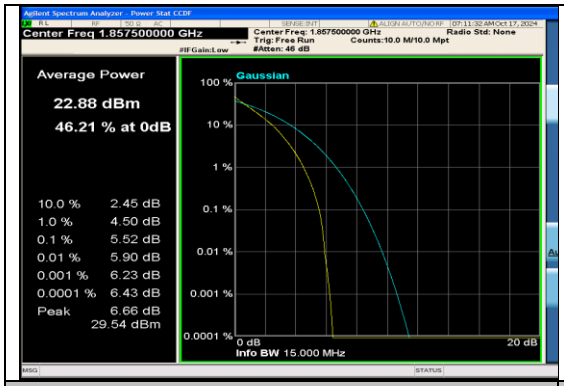
Band2-10MHz-16QAM-18650-50RB#0-PASS



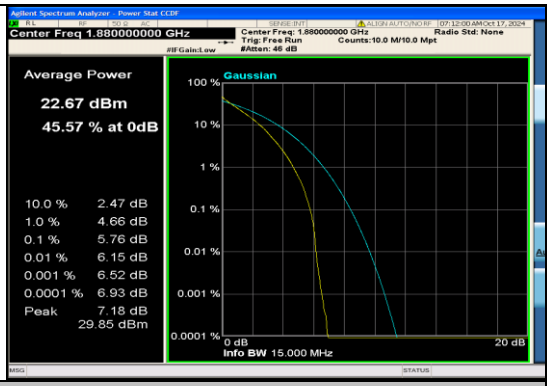
Band2-10MHz-16QAM-18900-50RB#0-PASS



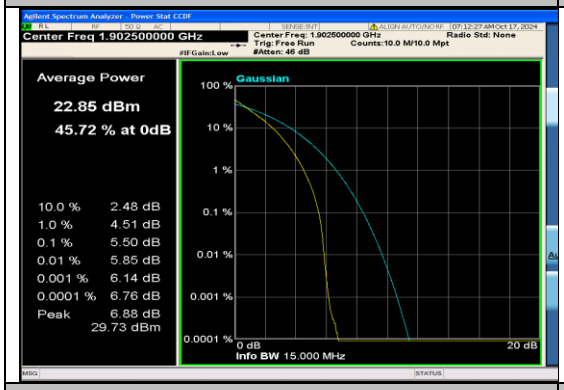
Band2-10MHz-16QAM-19150-50RB#0-PASS



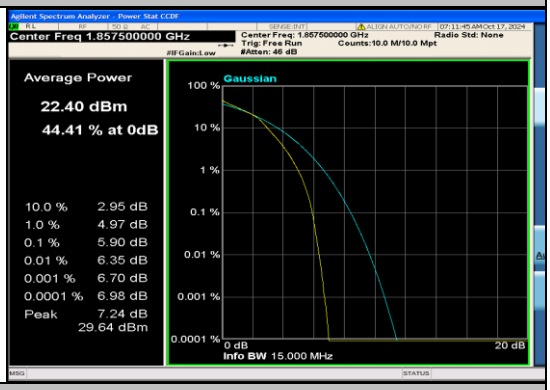
Band2-15MHz-QPSK-18675-75RB#0-PASS



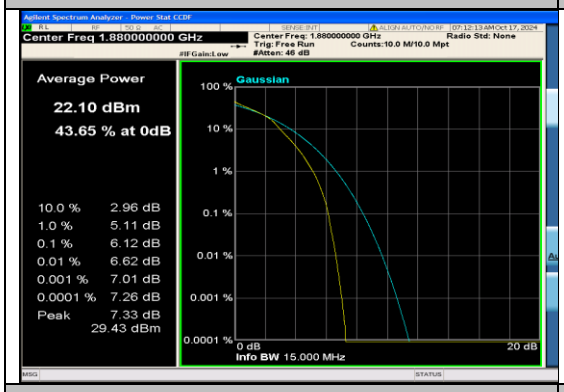
Band2-15MHz-QPSK-18900-75RB#0-PASS



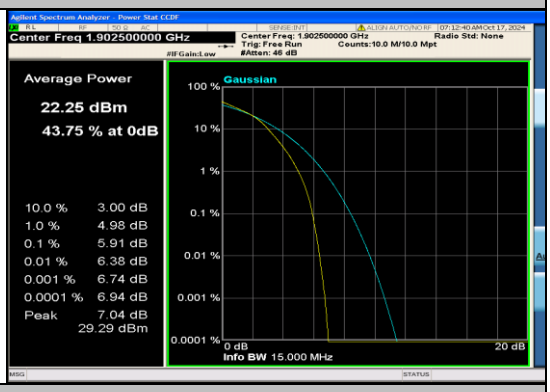
Band2-15MHz-QPSK-19125-75RB#0-PASS



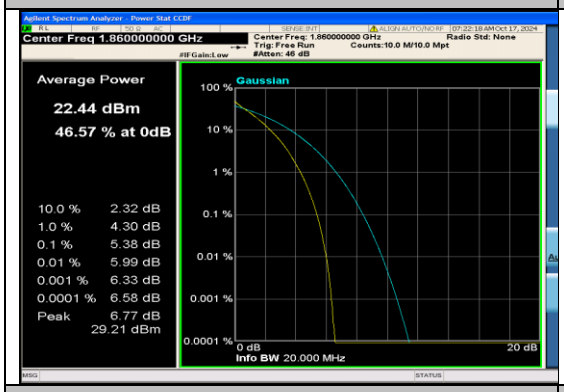
Band2-15MHz-16QAM-18675-75RB#0-PASS



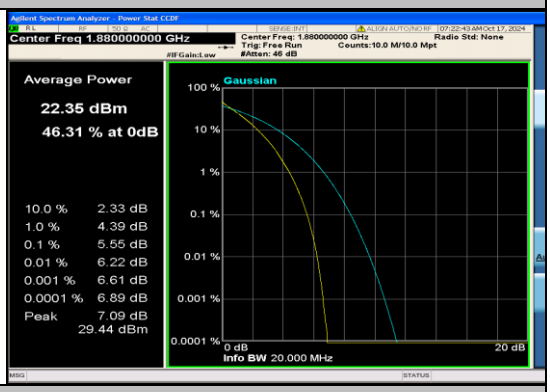
Band2-15MHz-16QAM-18900-75RB#0-PASS



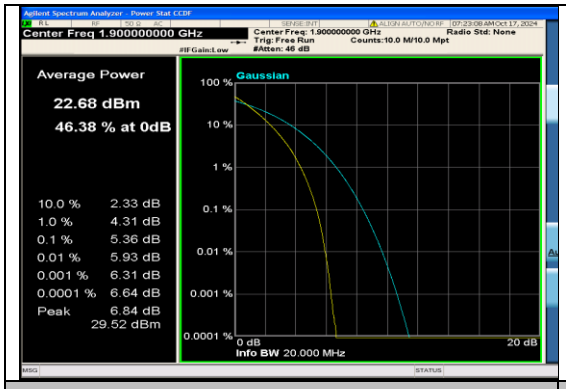
Band2-15MHz-16QAM-19125-75RB#0-PASS



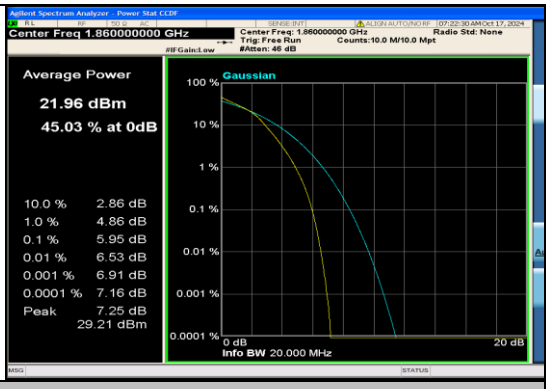
Band2-20MHz-QPSK-18700-100RB#0-PASS



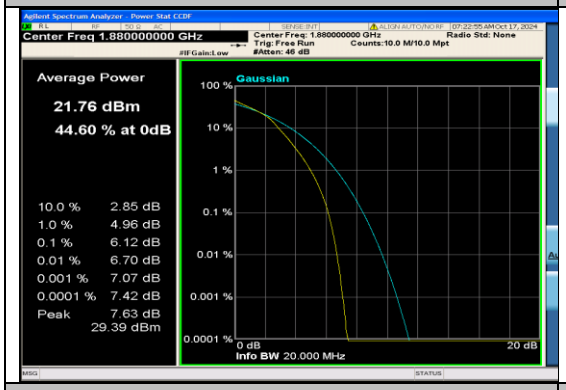
Band2-20MHz-QPSK-18900-100RB#0-PASS



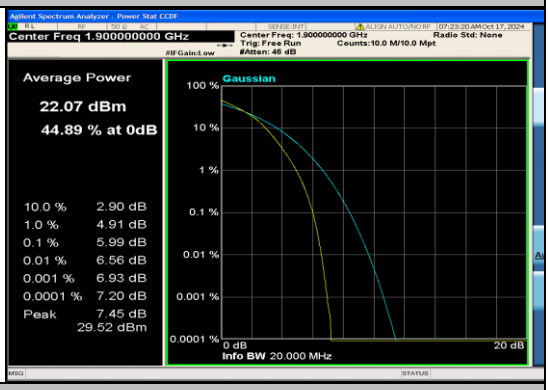
Band2-20MHz-QPSK-19100-100RB#0-PASS



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



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



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

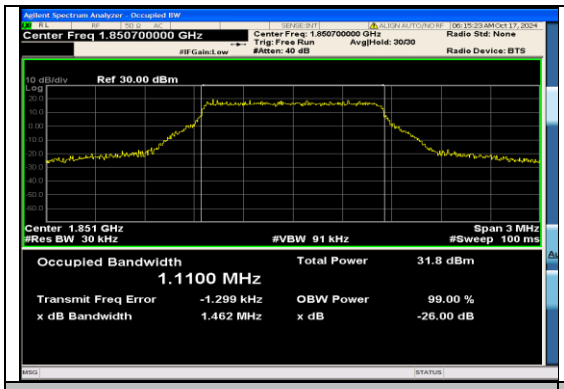
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

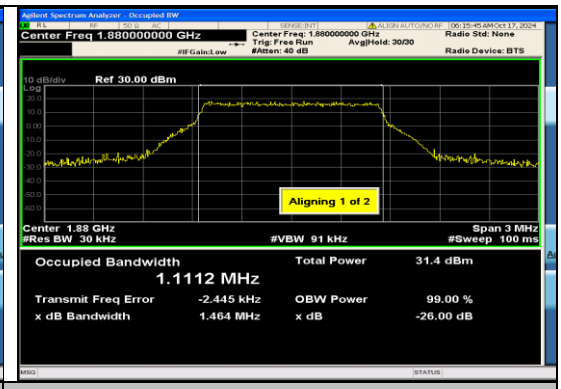
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.1100	1.462	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.1112	1.464	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.1151	1.466	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1157	1.479	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1199	1.482	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1154	1.481	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7122	3.010	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7061	3.016	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7068	3.014	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7097	2.987	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7070	3.006	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7038	3.007	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5373	5.149	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5474	5.142	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5317	5.165	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5267	5.143	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5229	5.121	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5366	5.140	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0341	10.37	PASS
Band2	10MHz	QPSK	18900	50RB#0	9.0016	10.31	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9873	10.36	PASS
Band2	10MHz	16QAM	18650	50RB#0	9.0498	10.39	PASS
Band2	10MHz	16QAM	18900	50RB#0	9.0229	10.37	PASS
Band2	10MHz	16QAM	19150	50RB#0	9.0414	10.37	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.539	15.71	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.544	15.96	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.529	15.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.552	15.77	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.527	15.83	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.510	15.75	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.222	25.10	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.260	25.82	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.142	24.51	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.214	26.36	PASS

Band2	20MHz	16QAM	18900	100RB#0	18.174	25.79	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.157	24.52	PASS

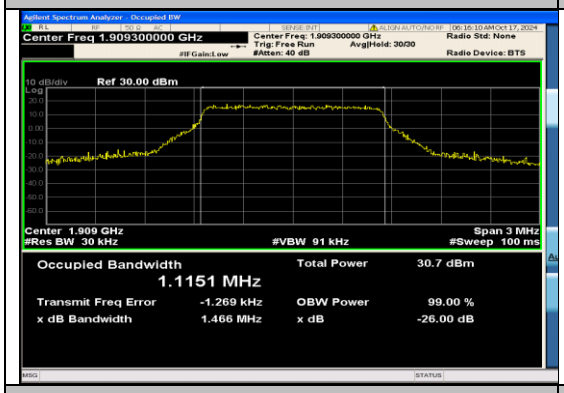
Test Graphs



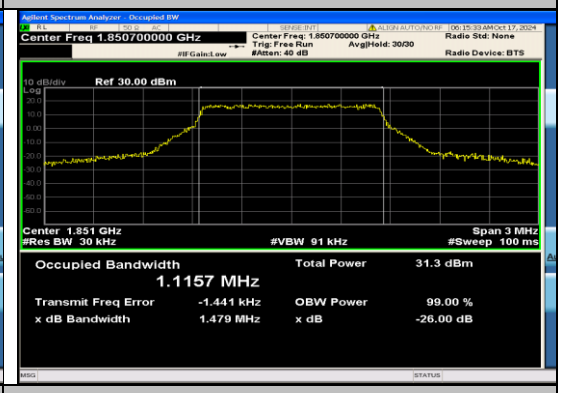
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



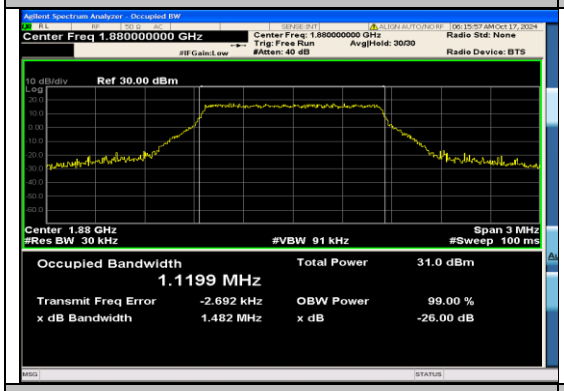
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



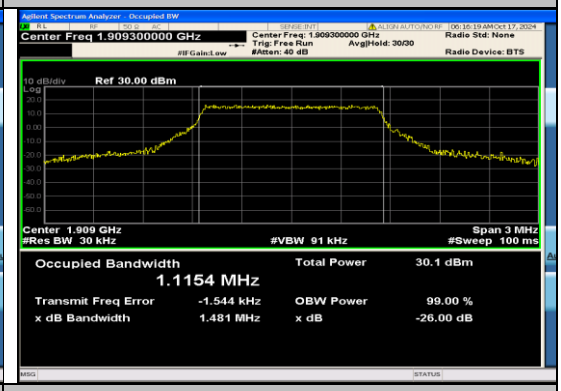
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



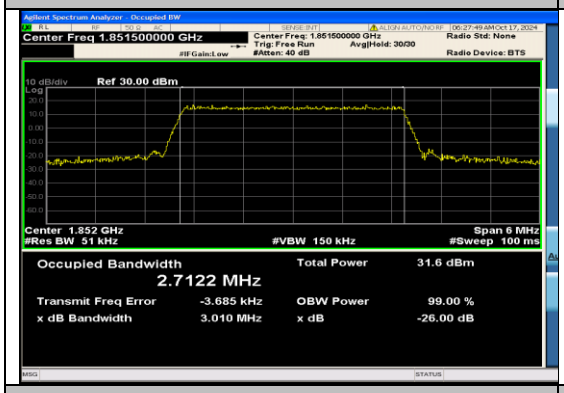
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



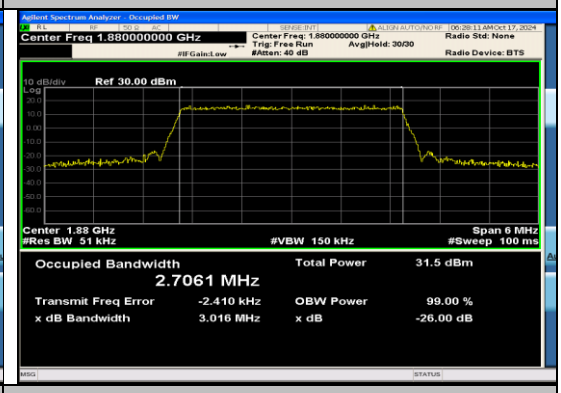
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



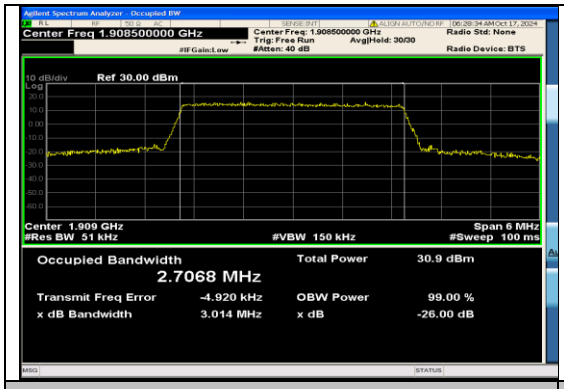
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



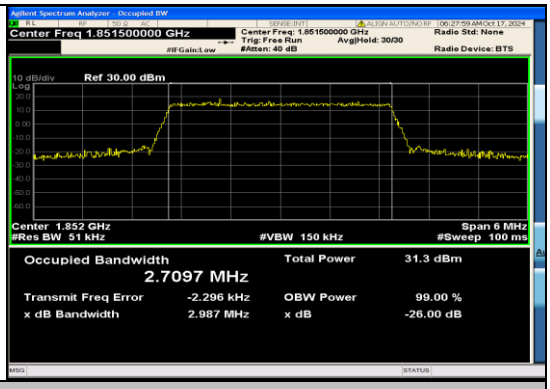
Band2-3MHz-QPSK-18615-15RB#0-PASS



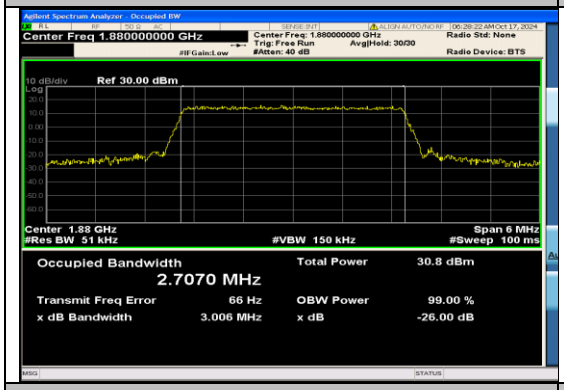
Band2-3MHz-QPSK-18900-15RB#0-PASS



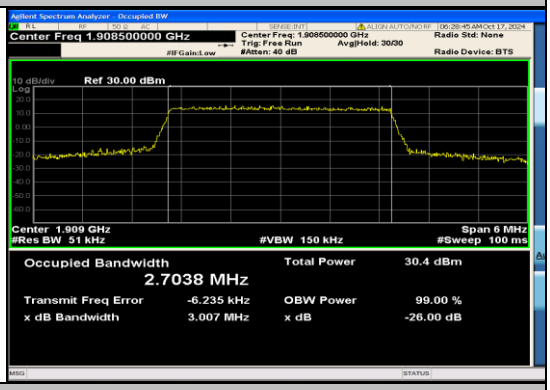
Band2-3MHz-QPSK-19185-15RB#0-PASS



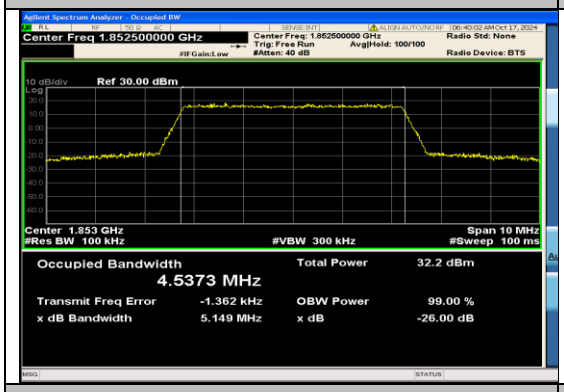
Band2-3MHz-16QAM-18615-15RB#0-PASS



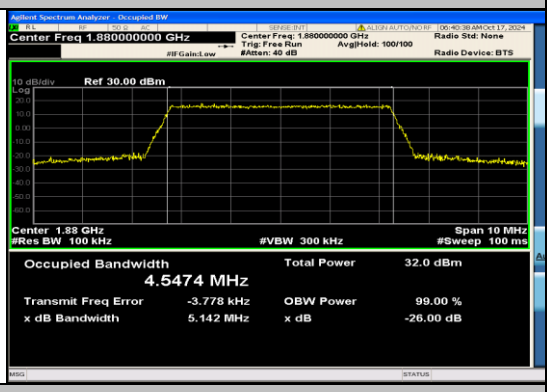
Band2-3MHz-16QAM-18900-15RB#0-PASS



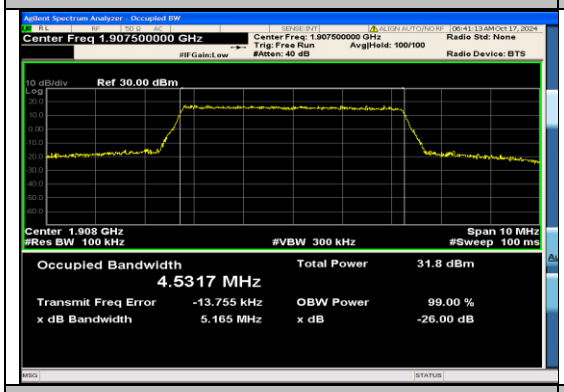
Band2-3MHz-16QAM-19185-15RB#0-PASS



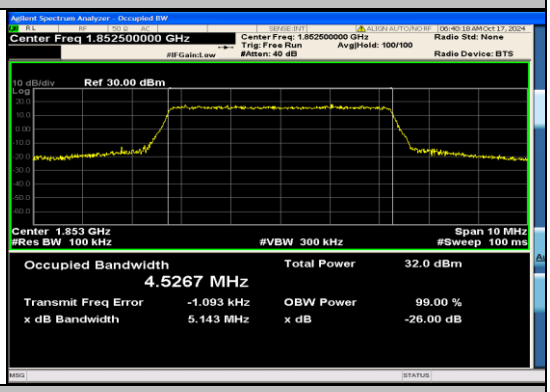
Band2-5MHz-QPSK-18625-25RB#0-PASS



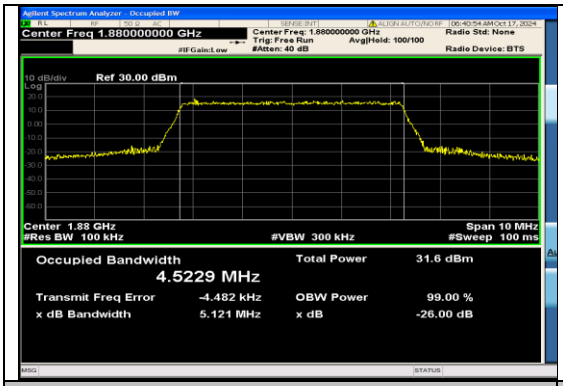
Band2-5MHz-QPSK-18900-25RB#0-PASS



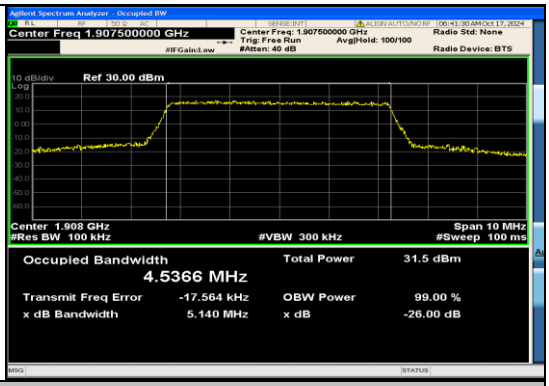
Band2-5MHz-QPSK-19175-25RB#0-PASS



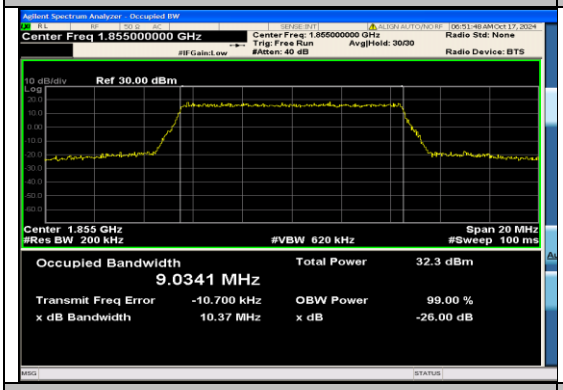
Band2-5MHz-16QAM-18625-25RB#0-PASS



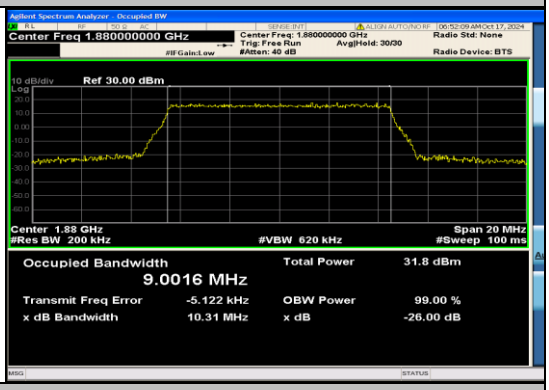
Band2-5MHz-16QAM-18900-25RB#0-PASS



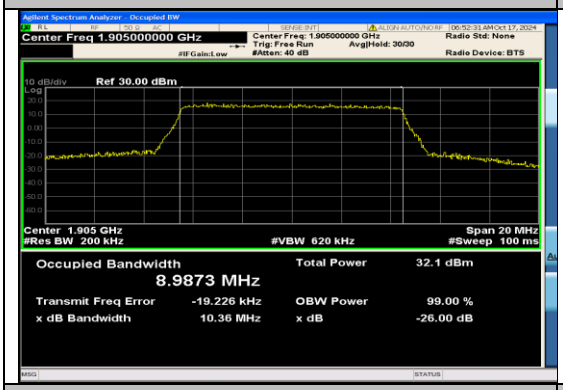
Band2-5MHz-16QAM-19175-25RB#0-PASS



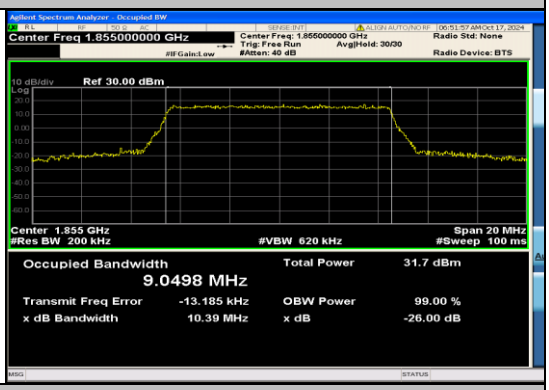
Band2-10MHz-QPSK-18650-50RB#0-PASS



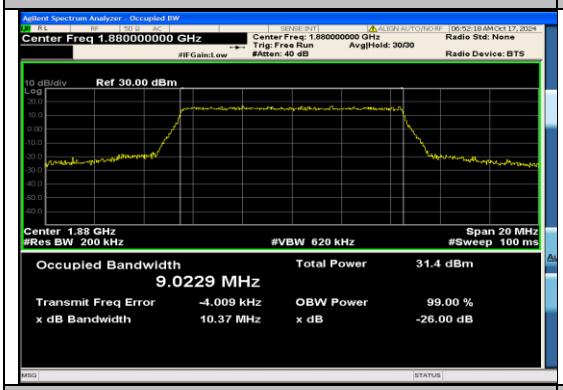
Band2-10MHz-QPSK-18900-50RB#0-PASS



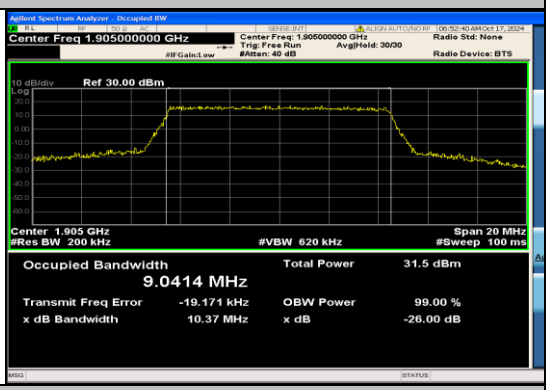
Band2-10MHz-QPSK-19150-50RB#0-PASS



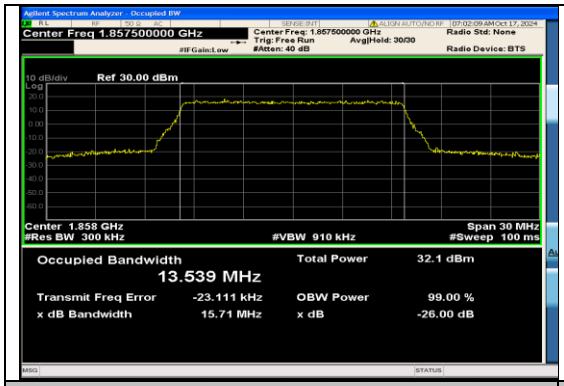
Band2-10MHz-16QAM-18650-50RB#0-PASS



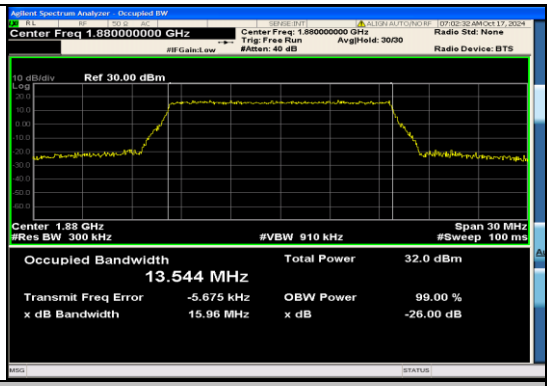
Band2-10MHz-16QAM-18900-50RB#0-PASS



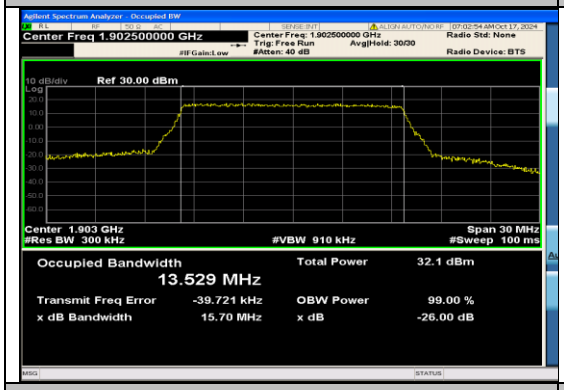
Band2-10MHz-16QAM-19150-50RB#0-PASS



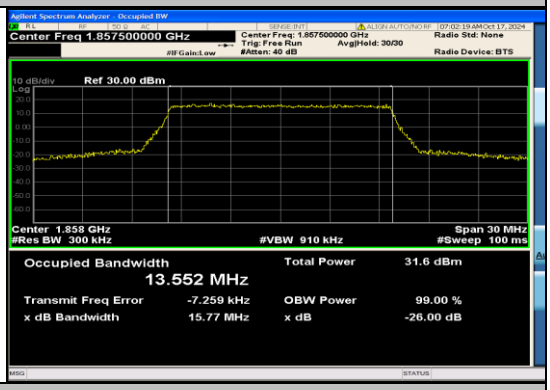
Band2-15MHz-QPSK-18675-75RB#0-PASS



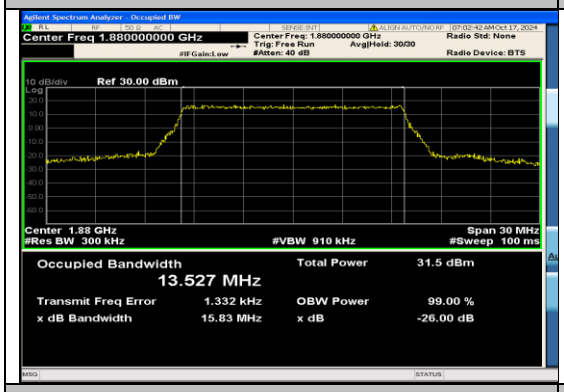
Band2-15MHz-QPSK-18900-75RB#0-PASS



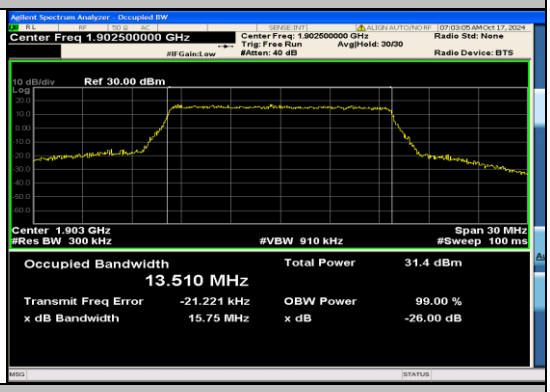
Band2-15MHz-QPSK-19125-75RB#0-PASS



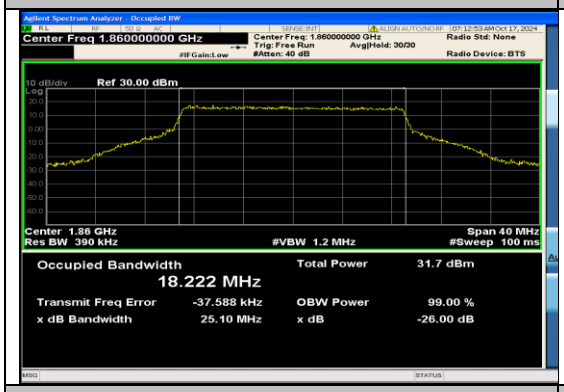
Band2-15MHz-16QAM-18675-75RB#0-PASS



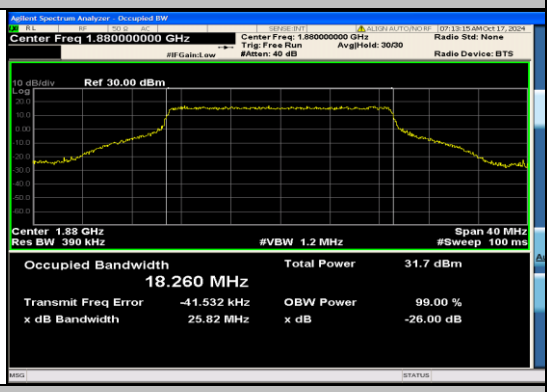
Band2-15MHz-16QAM-18900-75RB#0-PASS



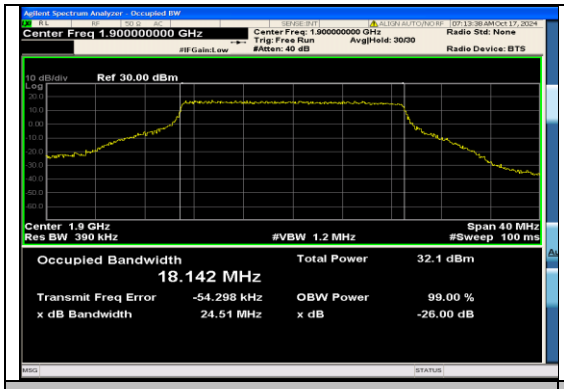
Band2-15MHz-16QAM-19125-75RB#0-PASS



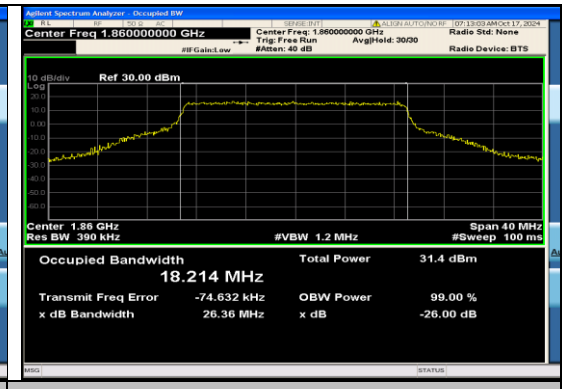
Band2-20MHz-QPSK-18700-100RB#0-PASS



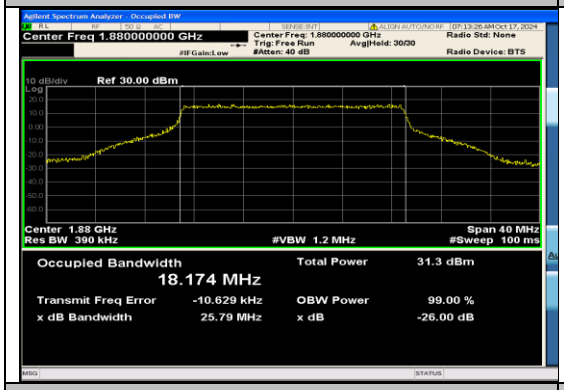
Band2-20MHz-QPSK-18900-100RB#0-PASS



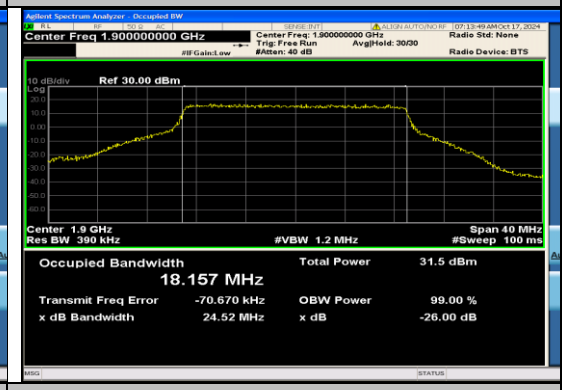
Band2-20MHz-QPSK-19100-100RB#0-PASS



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



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



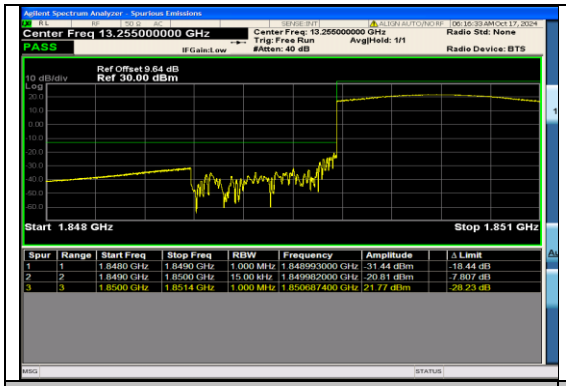
Band2-20MHz-16QAM-19100-100RB#0-PASS

Appendix D: Band Edge

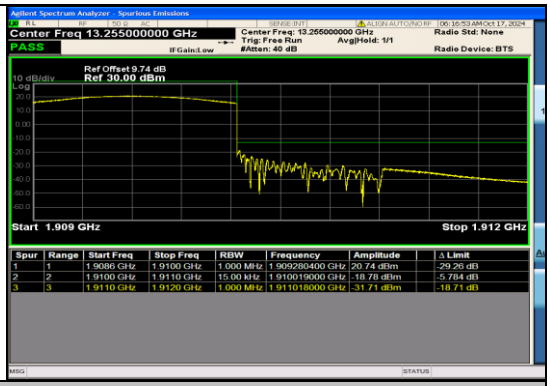
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-20.81	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-18.78	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-20.53	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-22.35	PASS
Band2	3MHz	QPSK	18615	15RB#0	-28.51	PASS
Band2	3MHz	QPSK	19185	15RB#0	-27.77	PASS
Band2	3MHz	16QAM	18615	15RB#0	-29.04	PASS
Band2	3MHz	16QAM	19185	15RB#0	-29.55	PASS
Band2	5MHz	QPSK	18625	25RB#0	-29.71	PASS
Band2	5MHz	QPSK	19175	25RB#0	-27.52	PASS
Band2	5MHz	16QAM	18625	25RB#0	-28.86	PASS
Band2	5MHz	16QAM	19175	25RB#0	-29.37	PASS
Band2	10MHz	QPSK	18650	50RB#0	-30.88	PASS
Band2	10MHz	QPSK	19150	50RB#0	-30.74	PASS
Band2	10MHz	16QAM	18650	50RB#0	-30.88	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.04	PASS
Band2	15MHz	QPSK	18675	75RB#0	-29.43	PASS
Band2	15MHz	QPSK	19125	75RB#0	-31.71	PASS
Band2	15MHz	16QAM	18675	75RB#0	-29.62	PASS
Band2	15MHz	16QAM	19125	75RB#0	-32.80	PASS
Band2	20MHz	QPSK	18700	100RB#0	-33.26	PASS
Band2	20MHz	QPSK	19100	100RB#0	-35.83	PASS
Band2	20MHz	16QAM	18700	100RB#0	-33.08	PASS
Band2	20MHz	16QAM	19100	100RB#0	-36.62	PASS

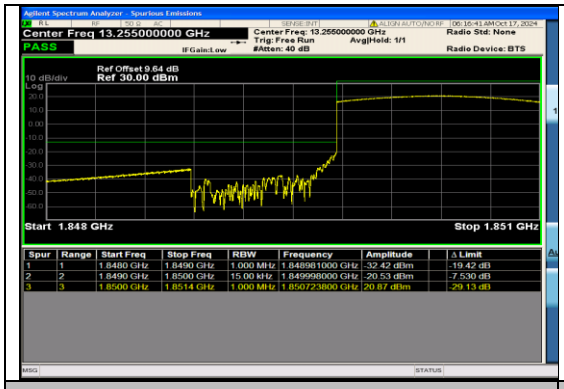
Test Graphs



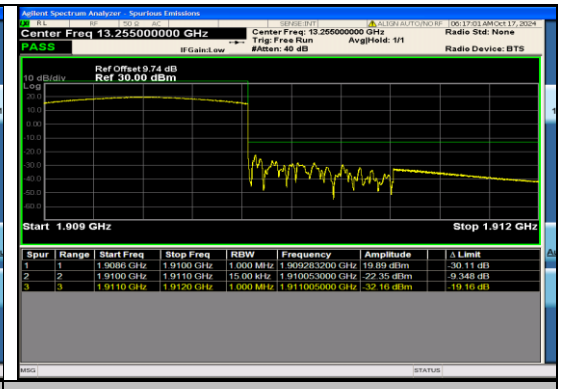
Band2_1.4MHz_QPSK_18607_6RB#0



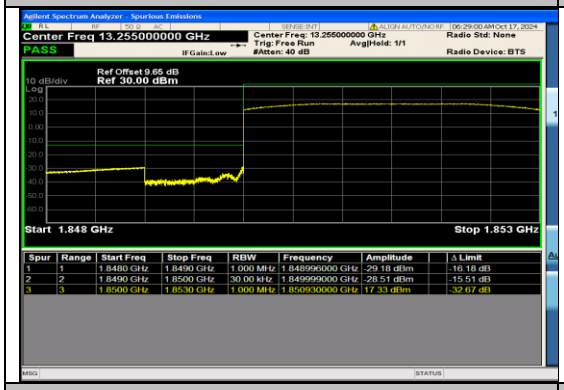
Band2_1.4MHz_QPSK_19193_6RB#0



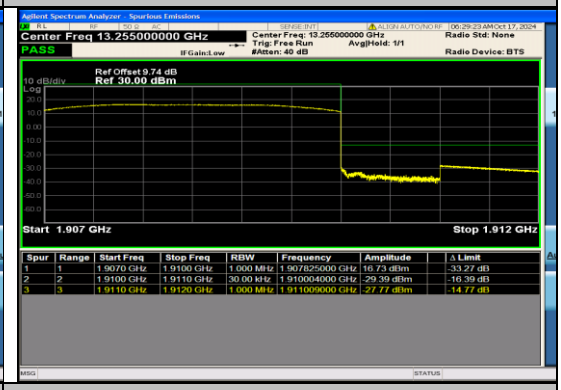
Band2_1.4MHz_16QAM_18607_6RB#0



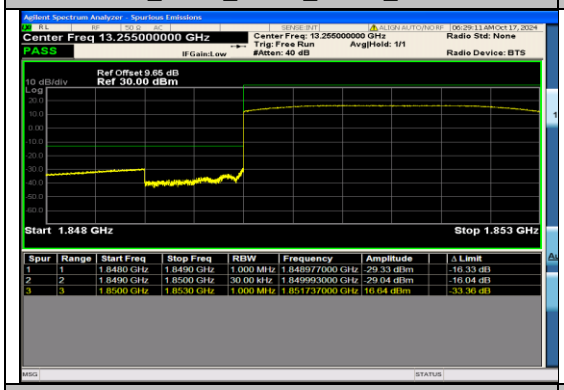
Band2_1.4MHz_16QAM_19193_6RB#0



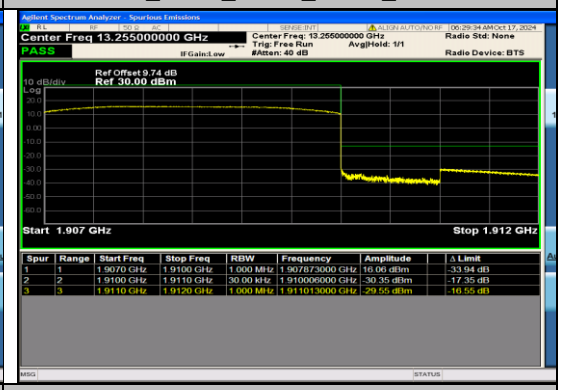
Band2_3MHz_QPSK_18615_15RB#0



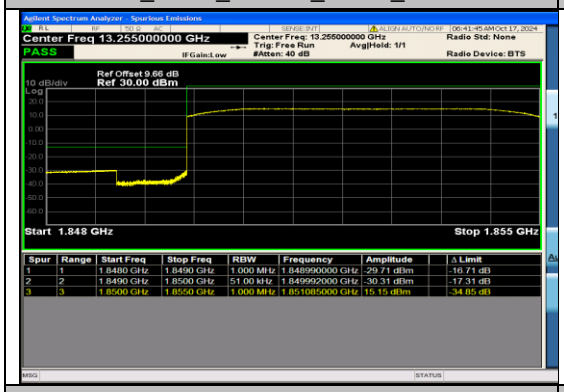
Band2_3MHz_QPSK_19185_15RB#0



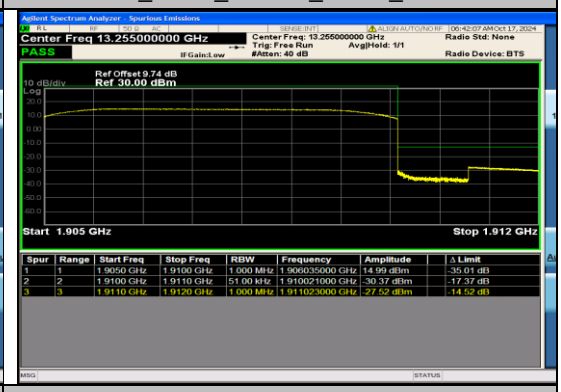
Band2_3MHz_16QAM_18615_15RB#0



Band2_3MHz_16QAM_19185_15RB#0



Band2_5MHz_QPSK_18625_25RB#0



Band2_5MHz_QPSK_19175_25RB#0