FCC LTE Band Test Data

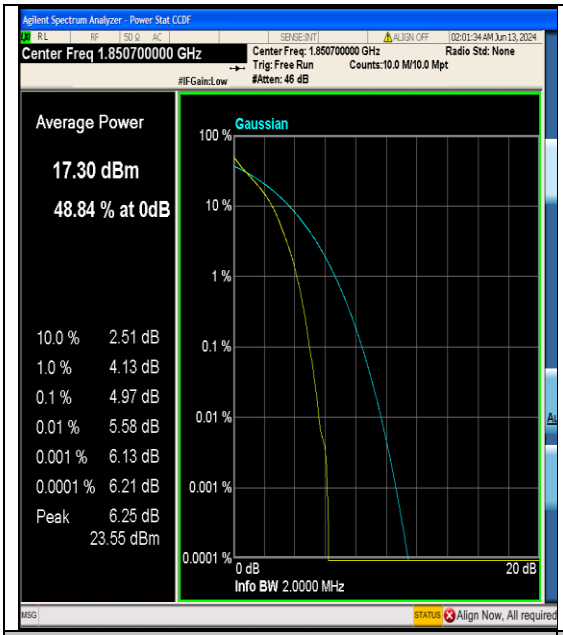
FCC ID	**:**	**2BHCY-X100**
Company:	**:**	**Shenzhen ThreeTigers Trading co..Ltd.**
EUT	**:**	**Mobile Phone**
Model Number	**:**	**X100**
Reviewed By	**:**	**Eric Wang**

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

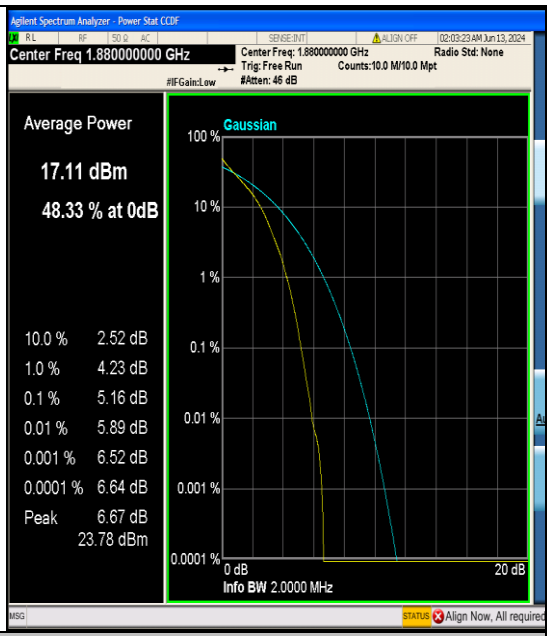
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	4.97	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.16	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.12	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.78	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.94	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.91	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.21	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.37	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.38	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.97	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.10	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.13	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.28	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.49	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.50	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.95	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.14	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.16	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.28	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.47	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.50	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.98	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.15	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.20	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.52	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.73	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.75	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.08	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.22	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.28	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.30	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.41	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.45	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.03	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.13	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.16	13	PASS

Test Graphs



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



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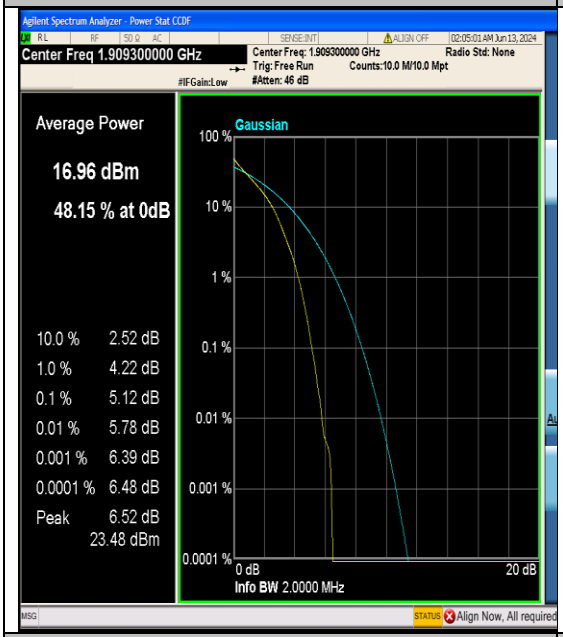

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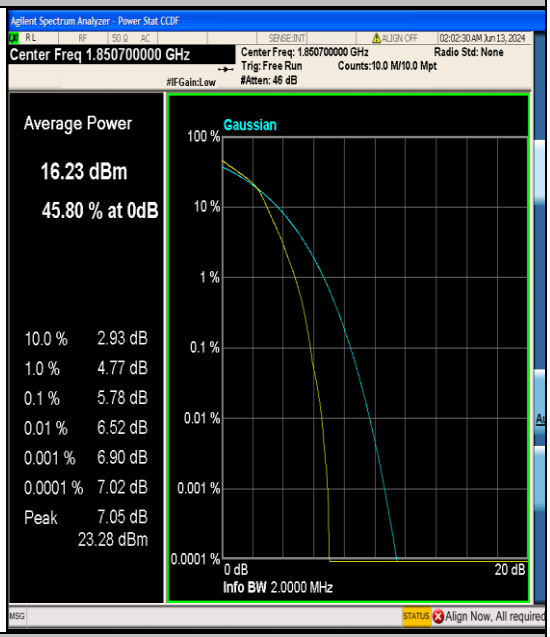
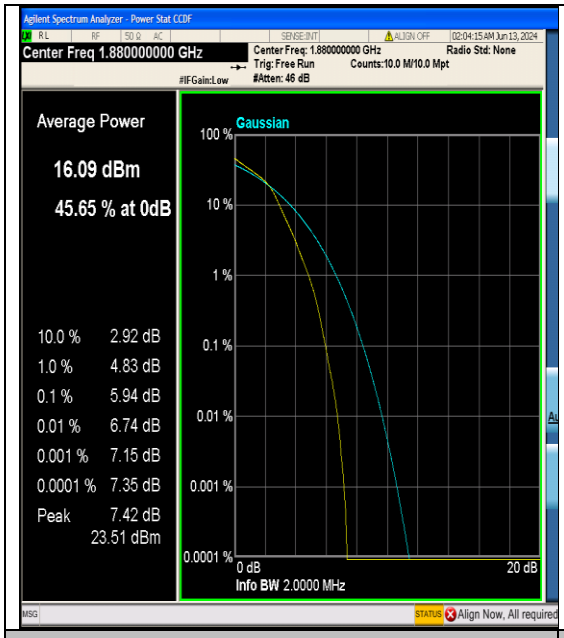


Band2-1.4MHz-16QAM-18607-6RB#0-PASS



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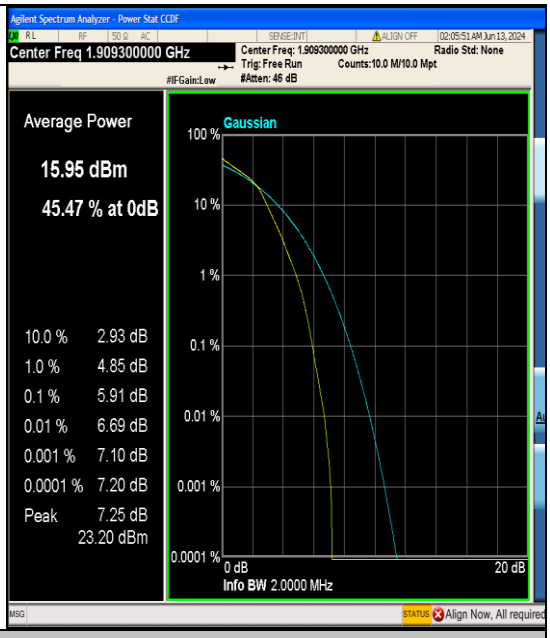

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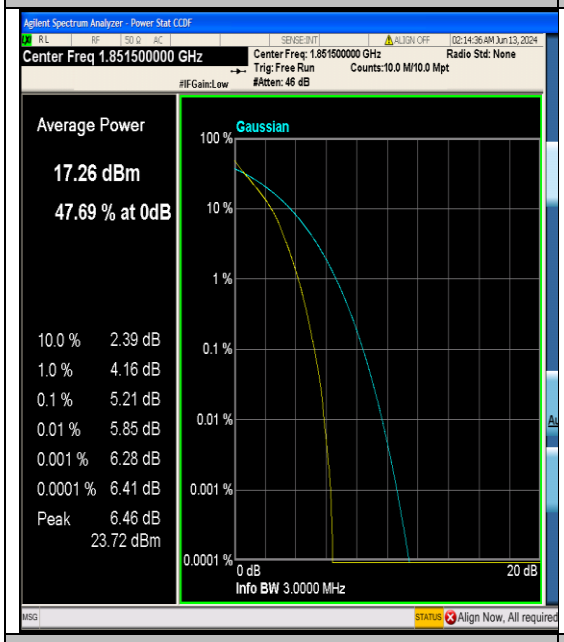

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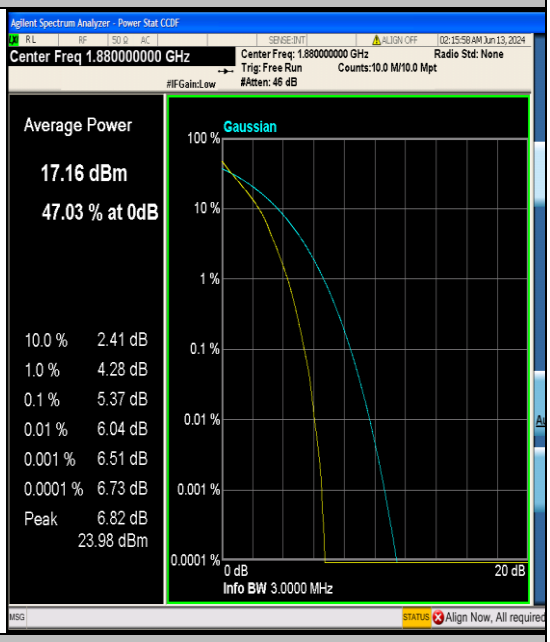

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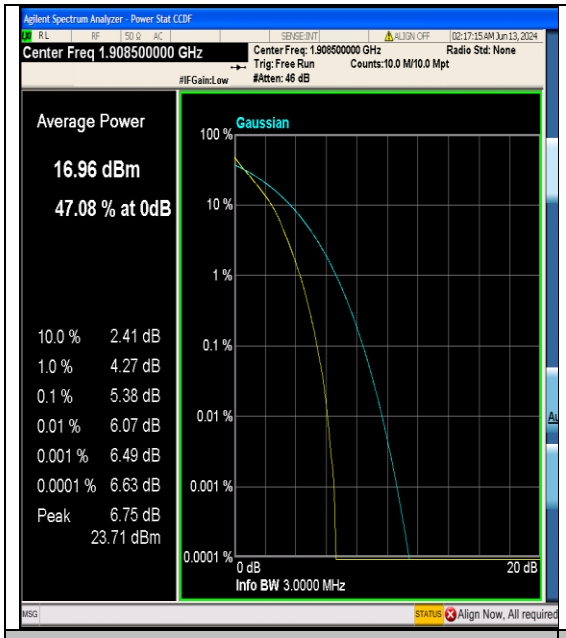

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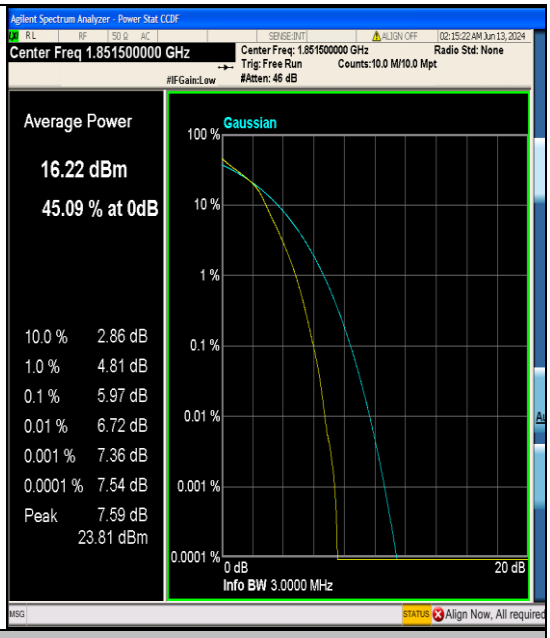
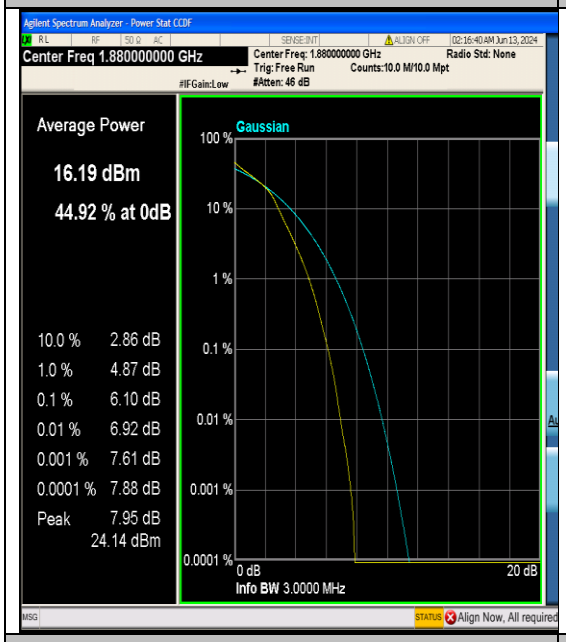


Band2-3MHz-16QAM-18615-15RB#0-PASS



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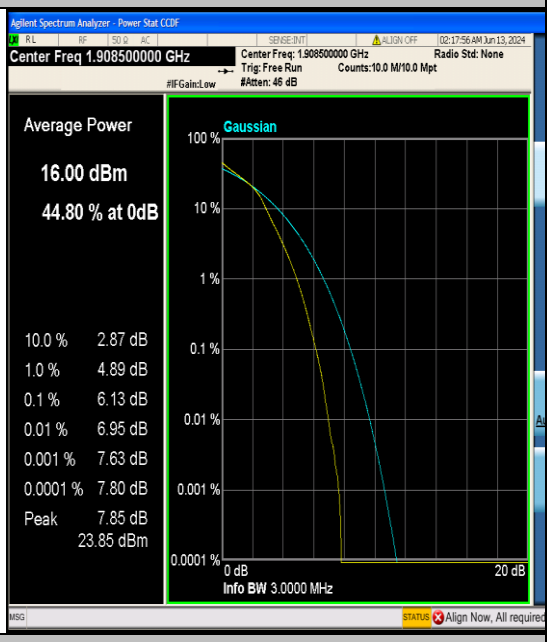

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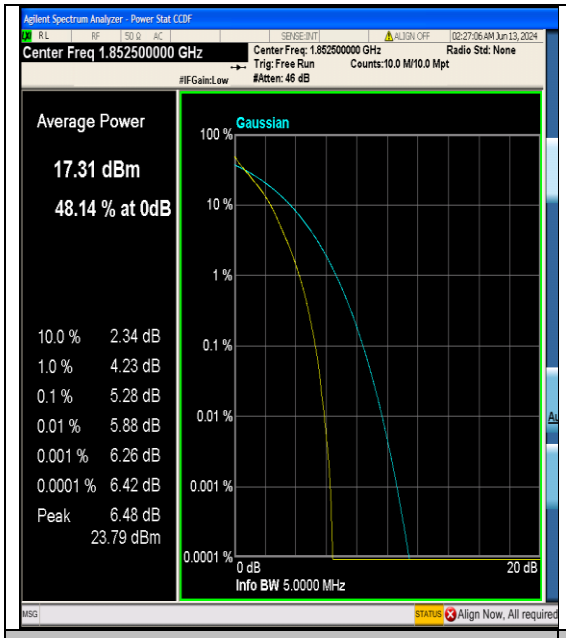
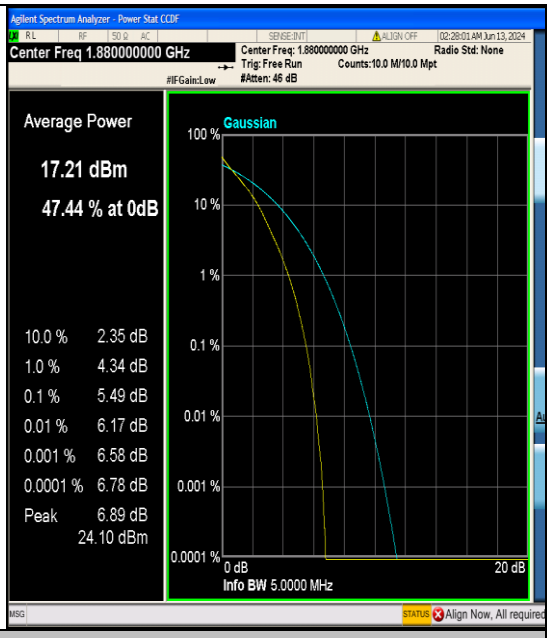


Band2-5MHz-QPSK-18625-25RB#0-PASS



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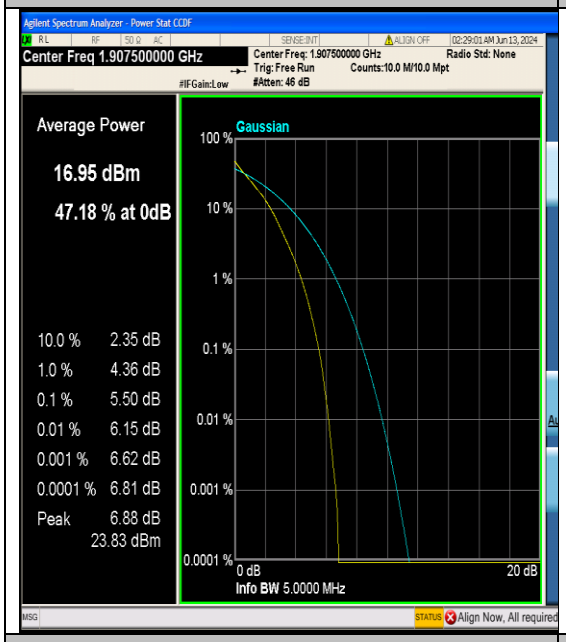

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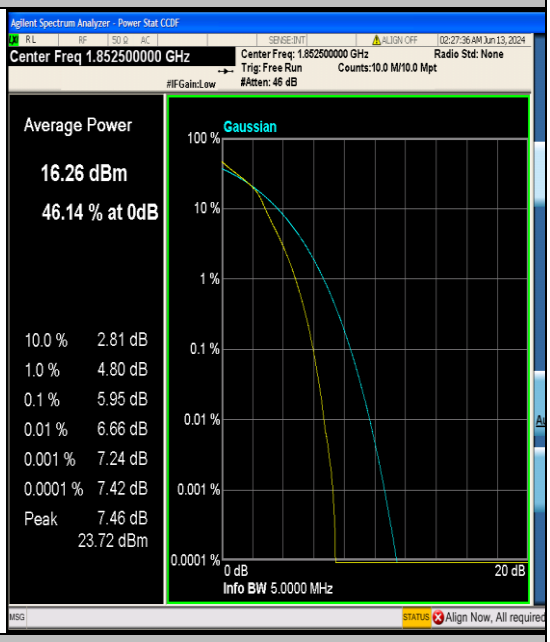

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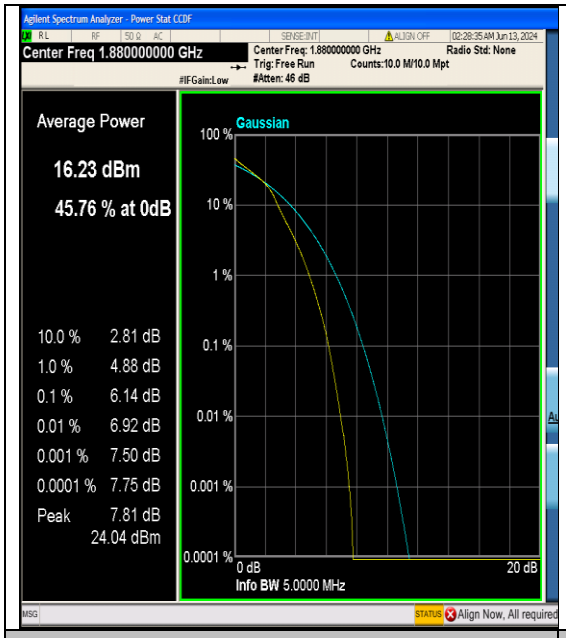

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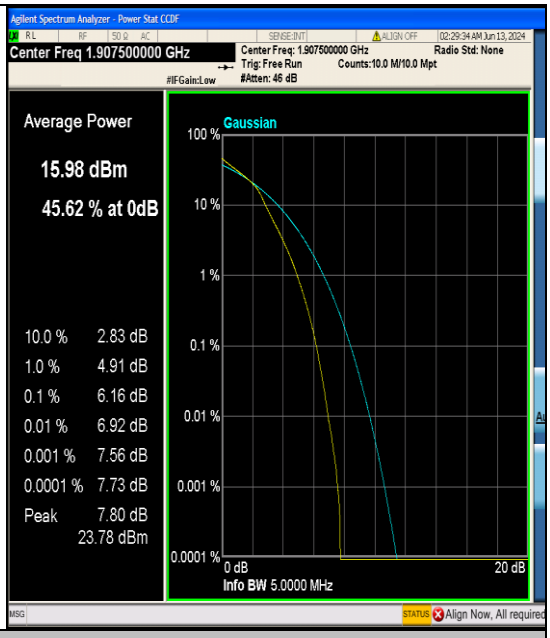

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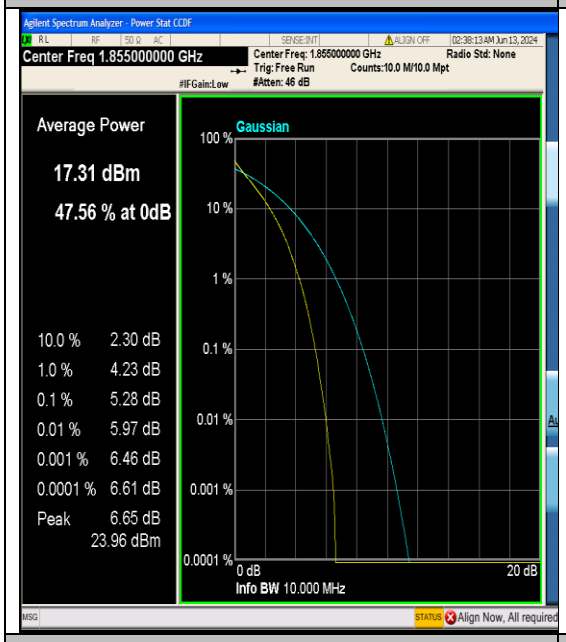
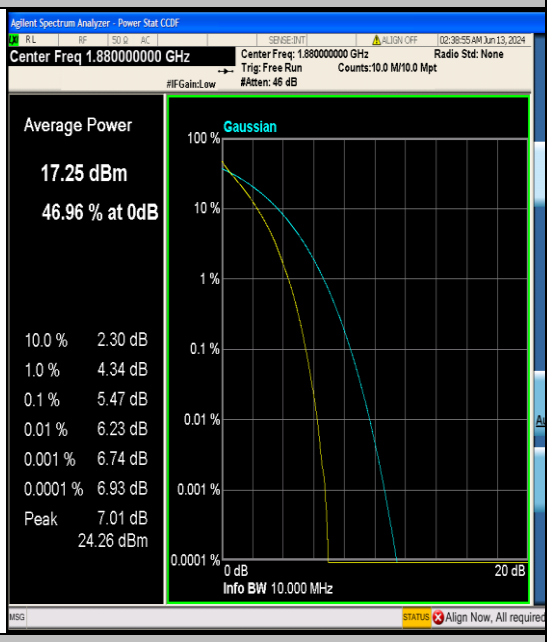
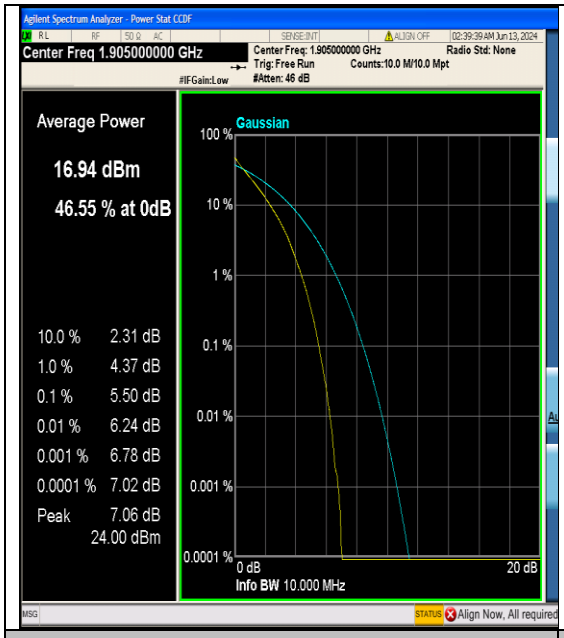


Band2-10MHz-QPSK-18650-50RB#0-PASS



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



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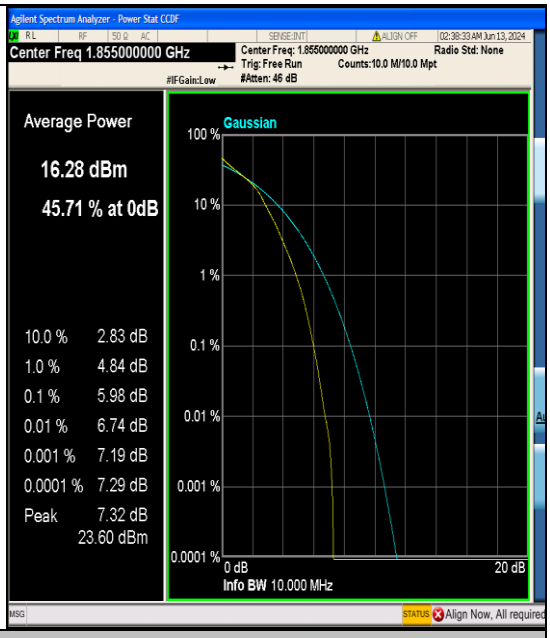
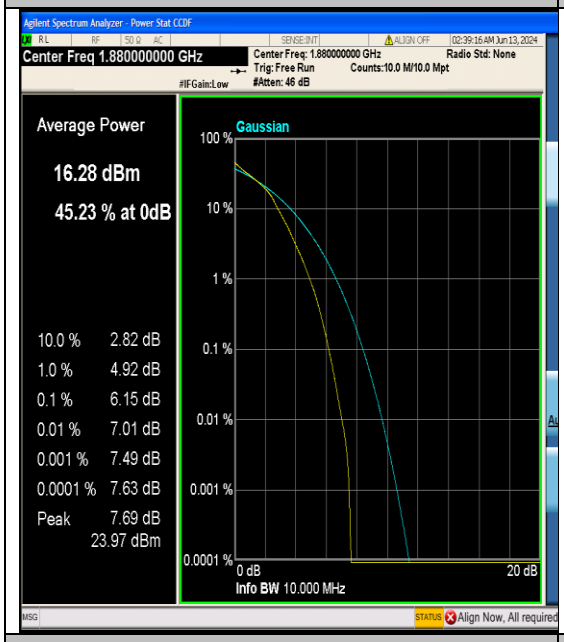


Band2-10MHz-16QAM-18650-50RB#0-PASS



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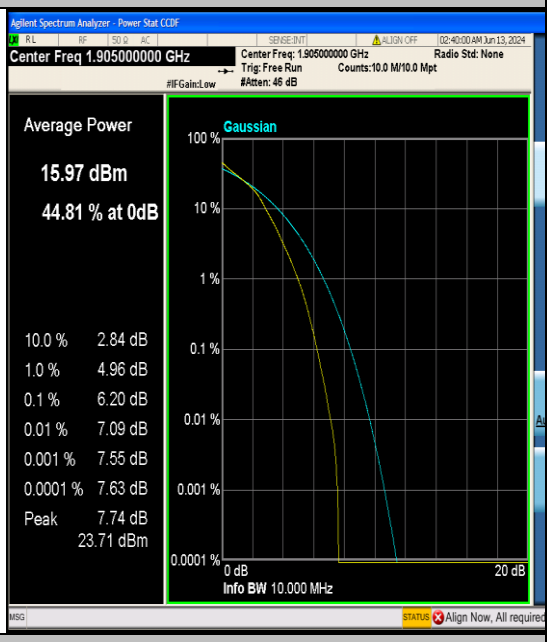

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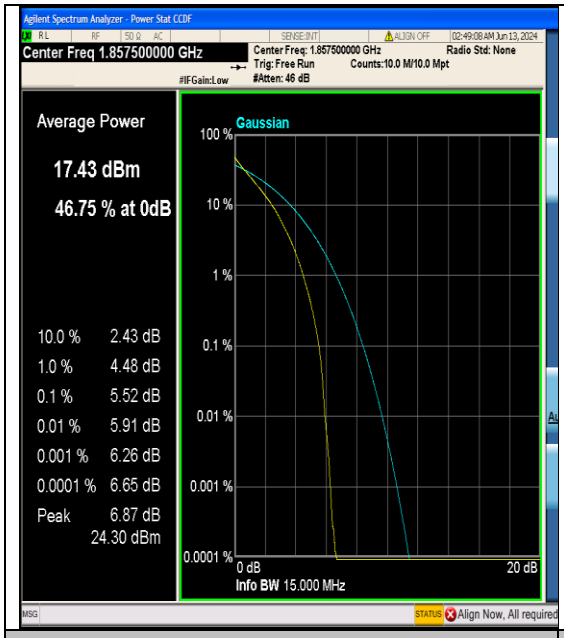
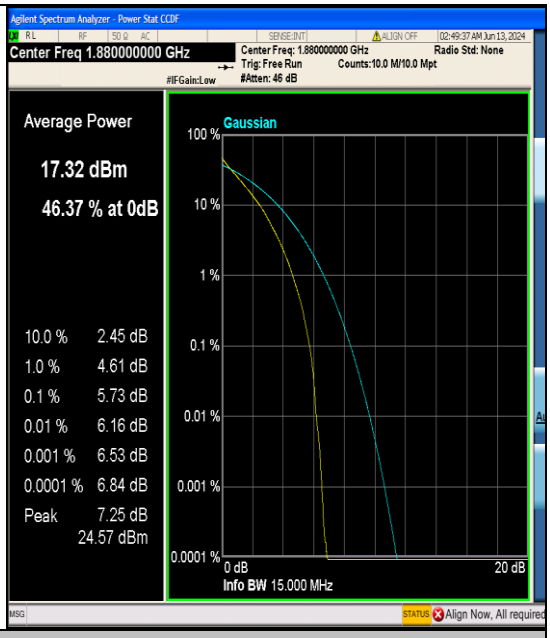


Band2-15MHz-QPSK-18675-75RB#0-PASS



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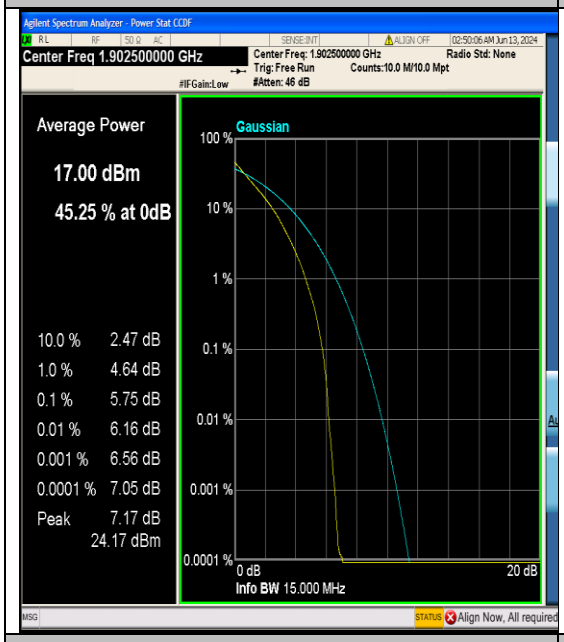

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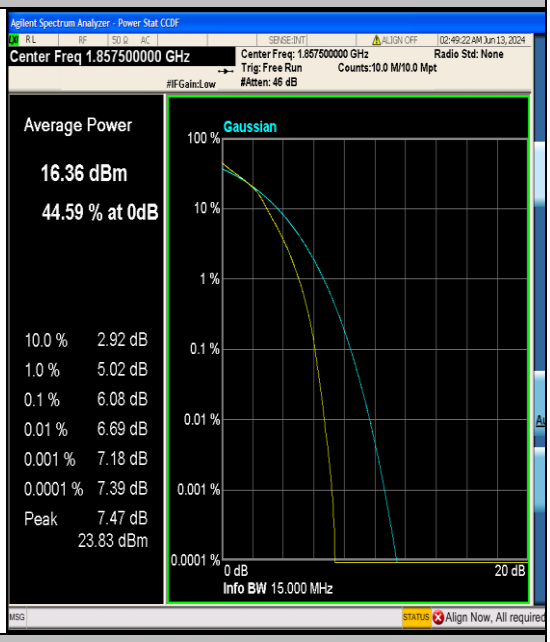
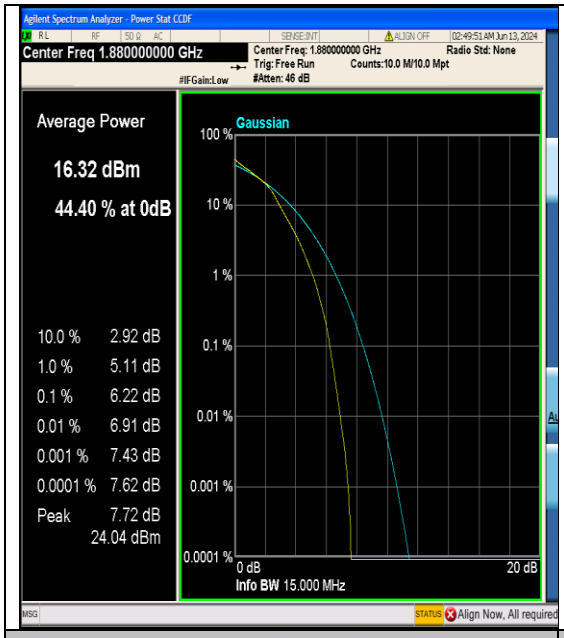
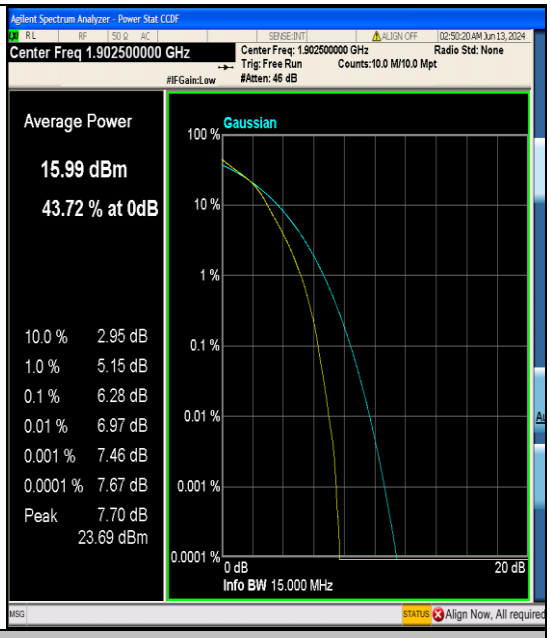


Band2-15MHz-16QAM-18675-75RB#0-PASS



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



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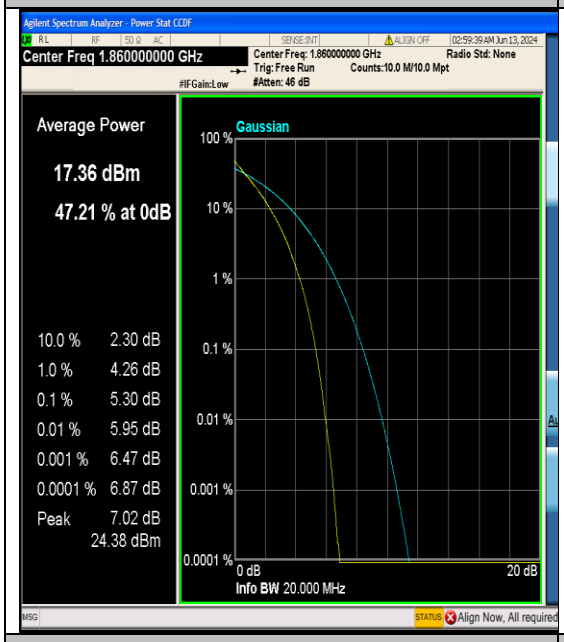
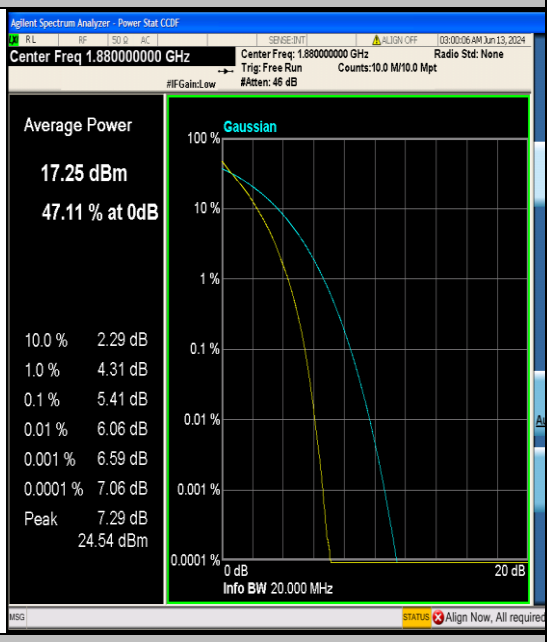
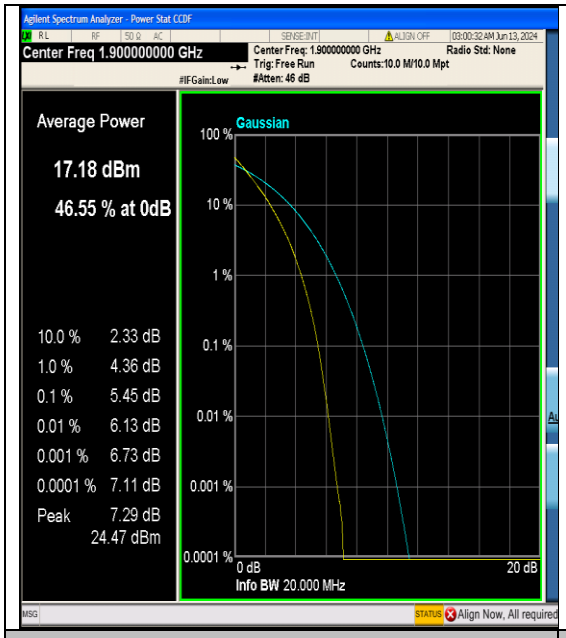


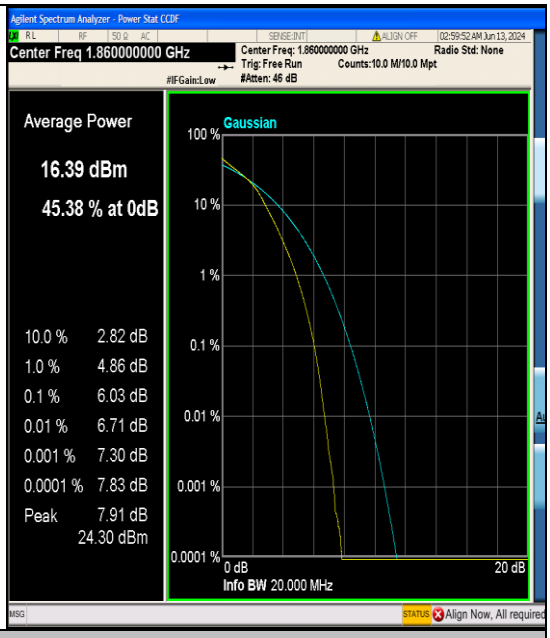
Band2-20MHz-QPSK-18700-100RB#0-PASS



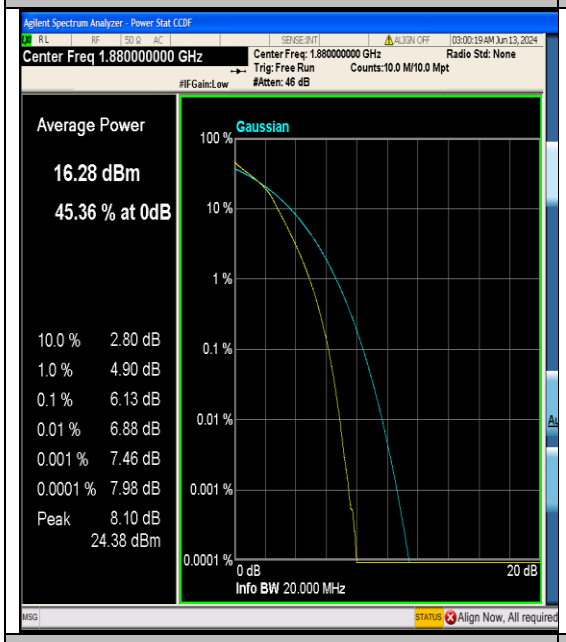
Band2-20MHz-QPSK-18900-100RB#0-PASS



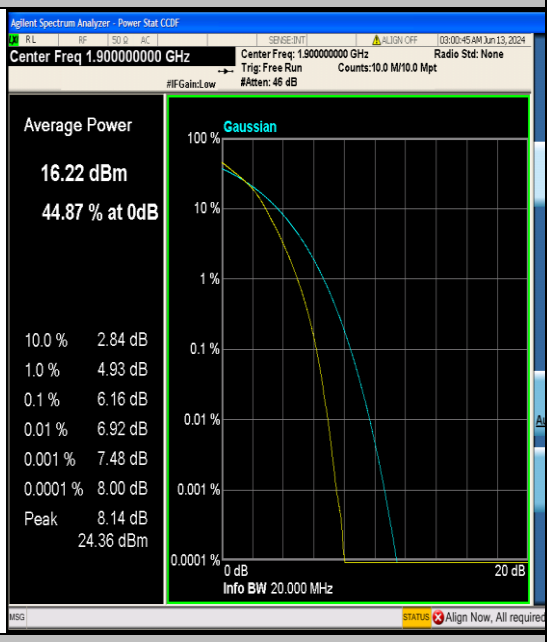
Band2-20MHz-QPSK-19100-100RB#0-PASS



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



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



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

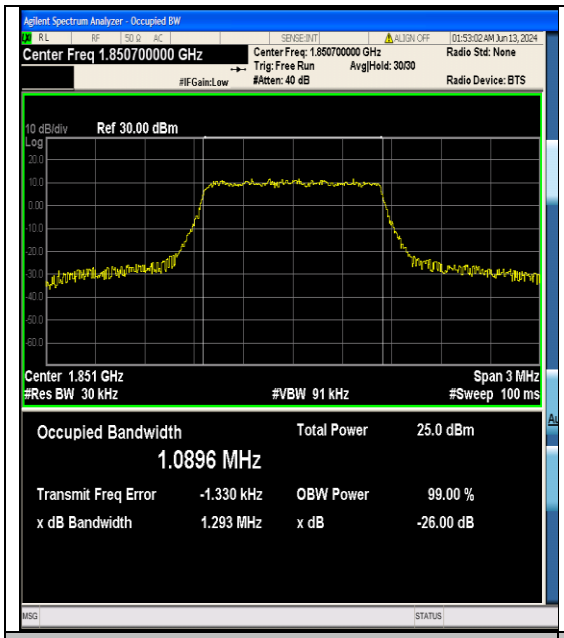
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

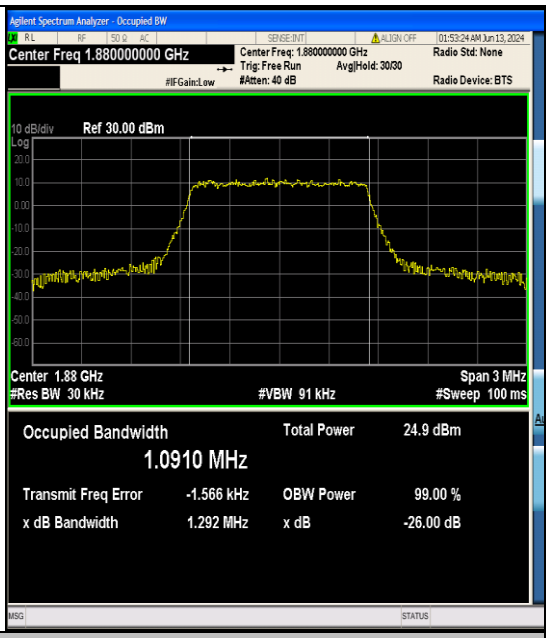
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0896	1.293	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0910	1.292	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0895	1.283	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1000	1.313	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0971	1.306	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0966	1.297	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6874	2.900	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6875	2.885	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6841	2.900	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6787	2.916	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6783	2.907	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6812	2.886	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5240	5.212	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5239	5.214	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5224	5.204	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5214	5.163	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5200	5.154	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5160	5.143	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0190	10.20	PASS
Band2	10MHz	QPSK	18900	50RB#0	9.0080	10.19	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0097	10.16	PASS
Band2	10MHz	16QAM	18650	50RB#0	9.0102	10.08	PASS
Band2	10MHz	16QAM	18900	50RB#0	9.0136	10.08	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9983	10.03	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.554	15.20	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.531	15.23	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.519	15.19	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.510	15.07	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.514	15.02	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.504	15.11	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.984	19.75	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.970	19.82	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.020	19.82	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.040	19.81	PASS

Band2	20MHz	16QAM	18900	100RB#0	18.038	19.74	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.033	19.74	PASS

Test Graphs



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



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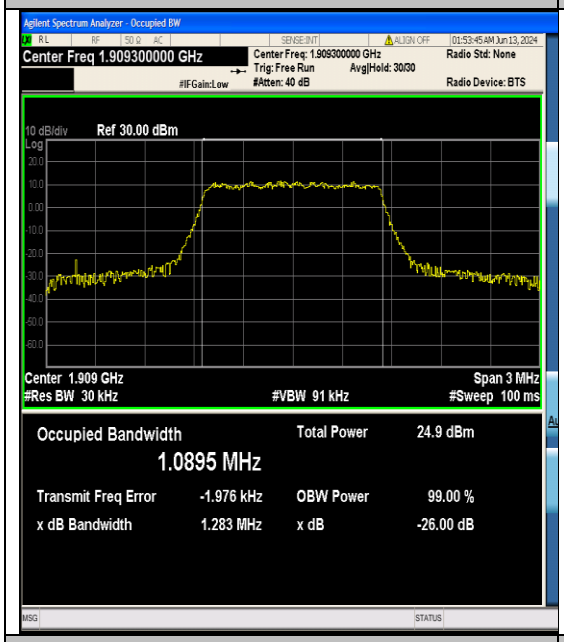
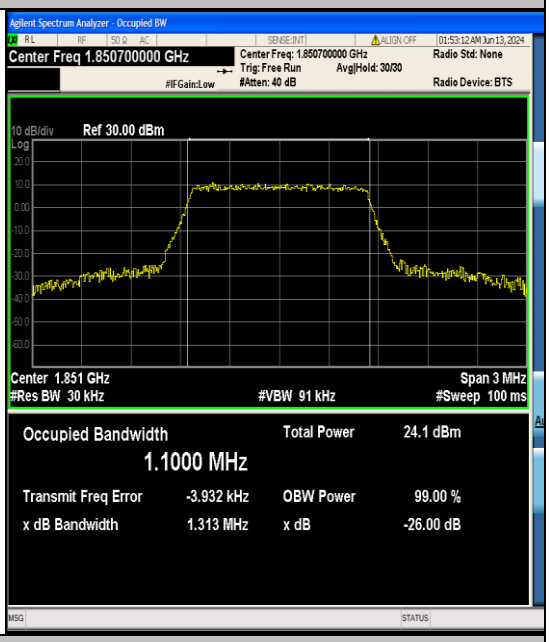


Band2-1.4MHz-QPSK-19193-6RB#0-PASS



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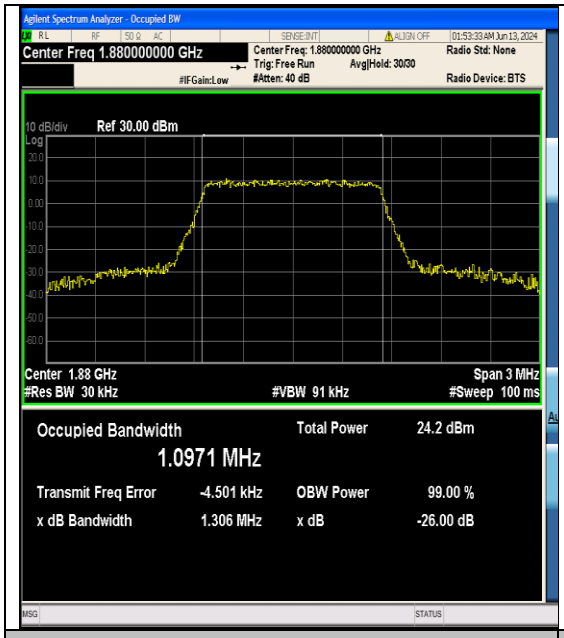

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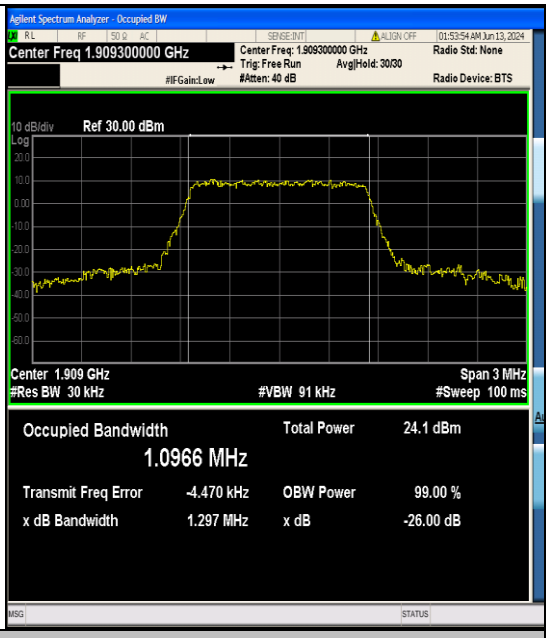

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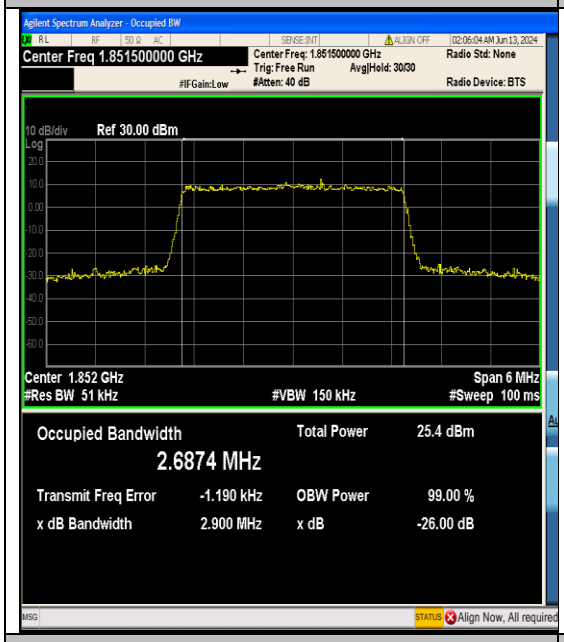
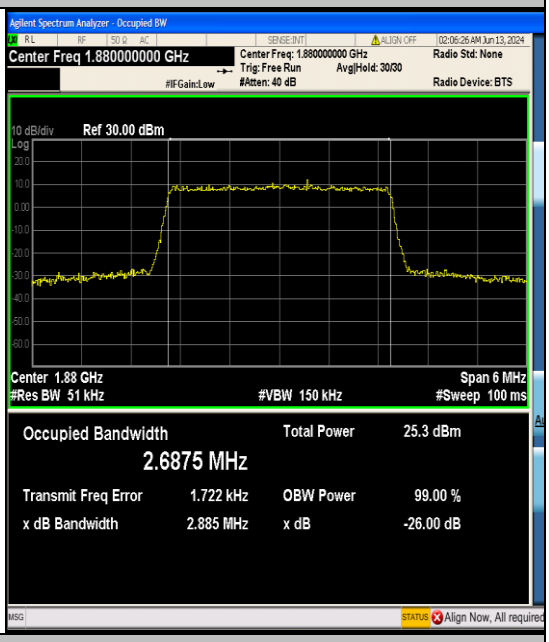


Band2-3MHz-QPSK-18615-15RB#0-PASS



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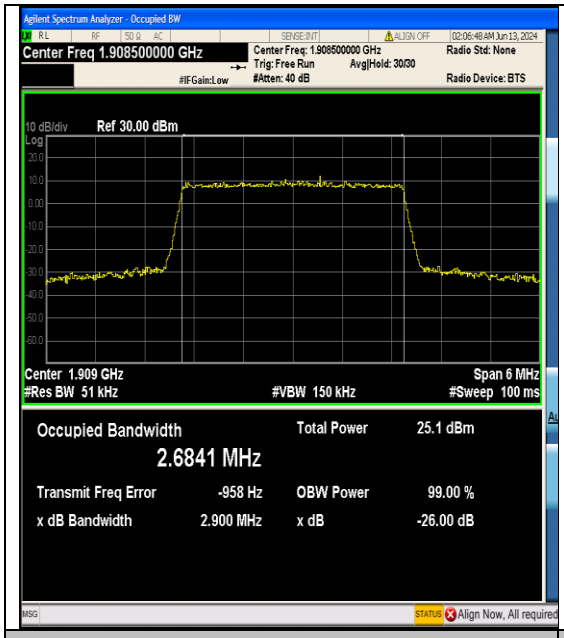
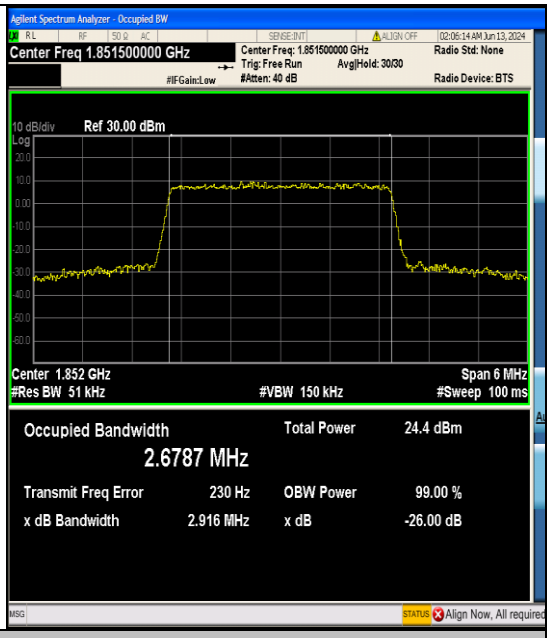


Band2-3MHz-QPSK-19185-15RB#0-PASS



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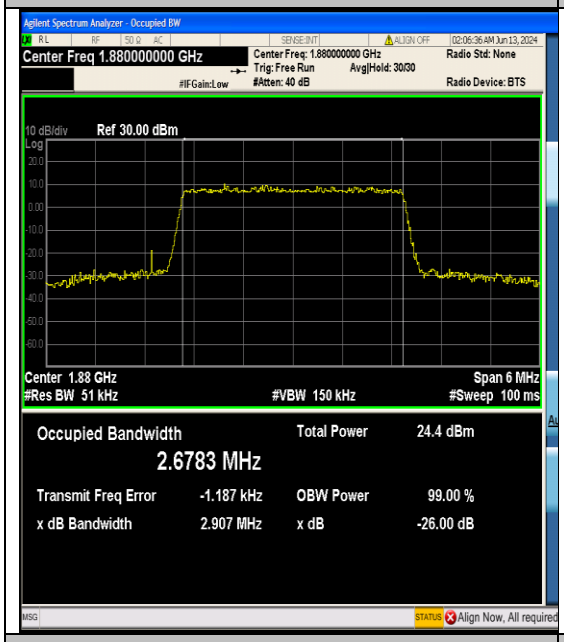

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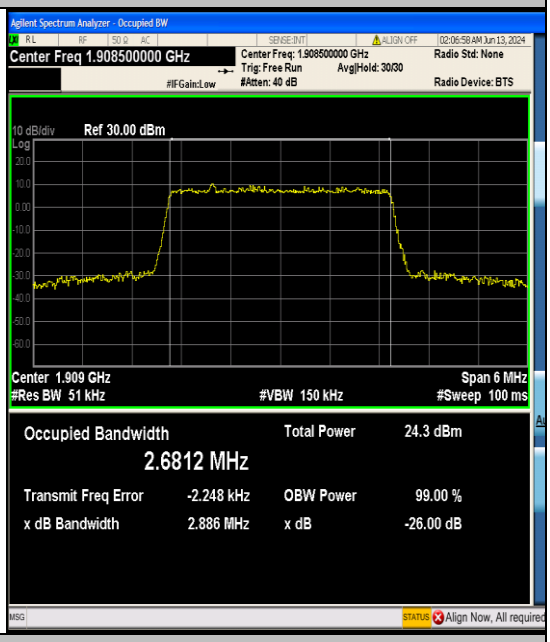

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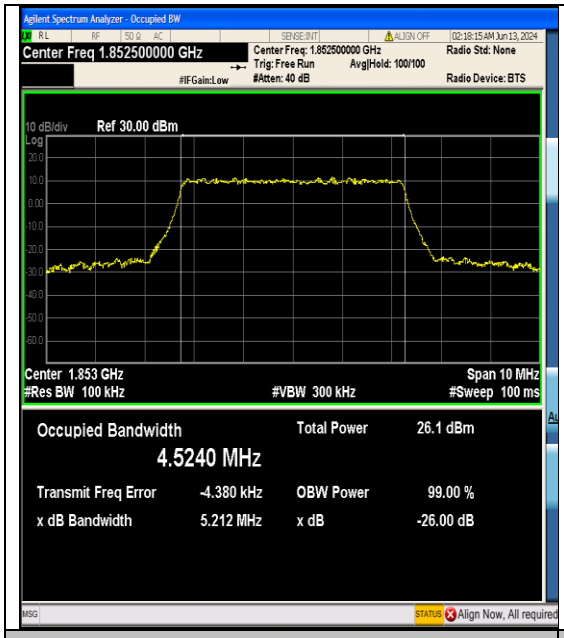
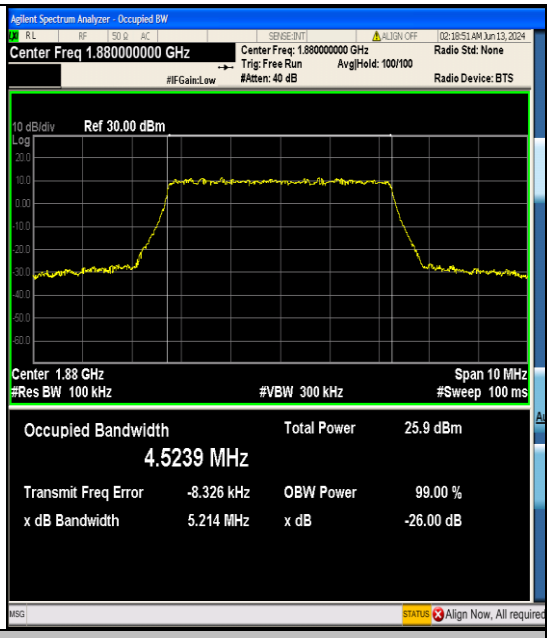


Band2-5MHz-QPSK-18625-25RB#0-PASS



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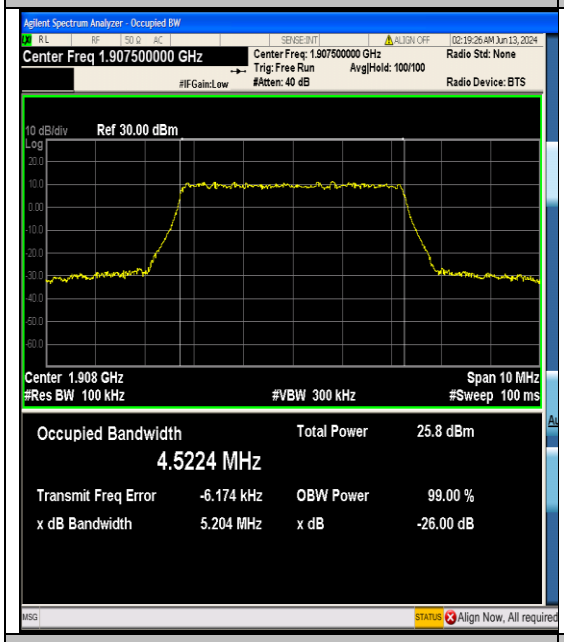
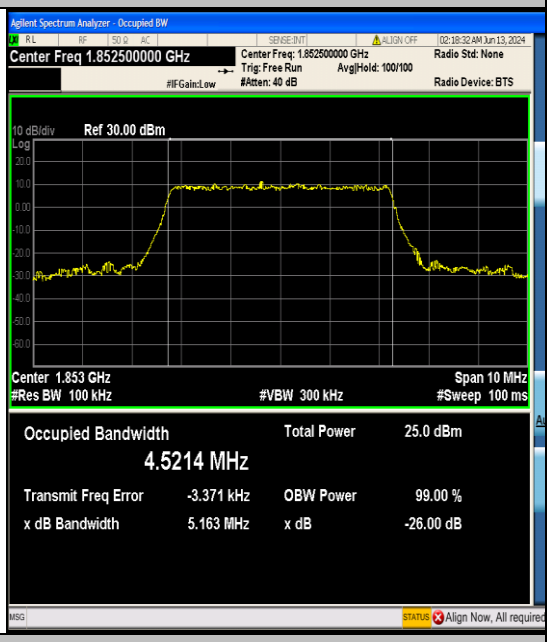


Band2-5MHz-QPSK-19175-25RB#0-PASS



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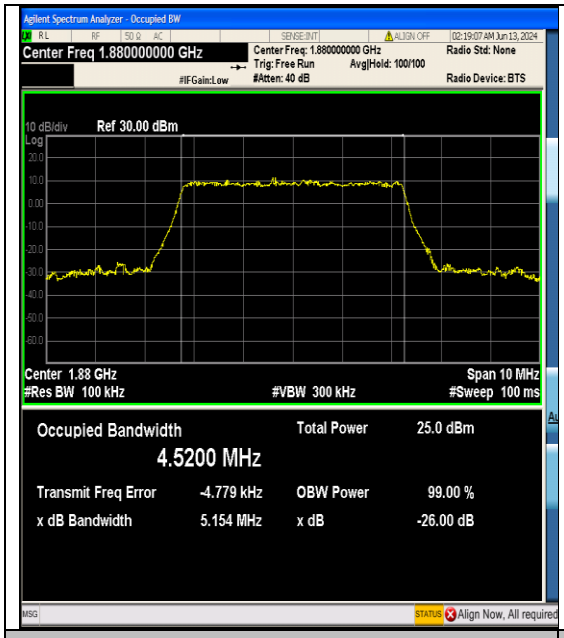

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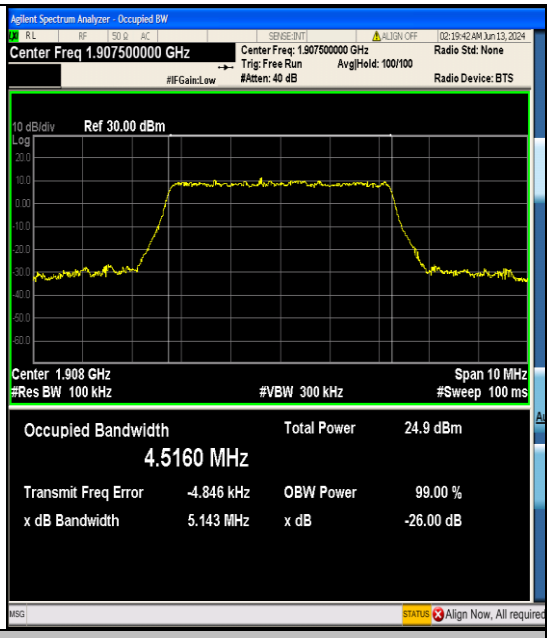

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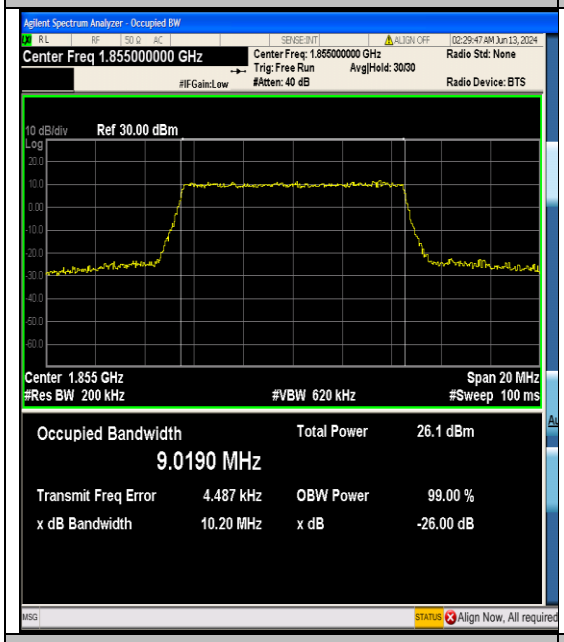
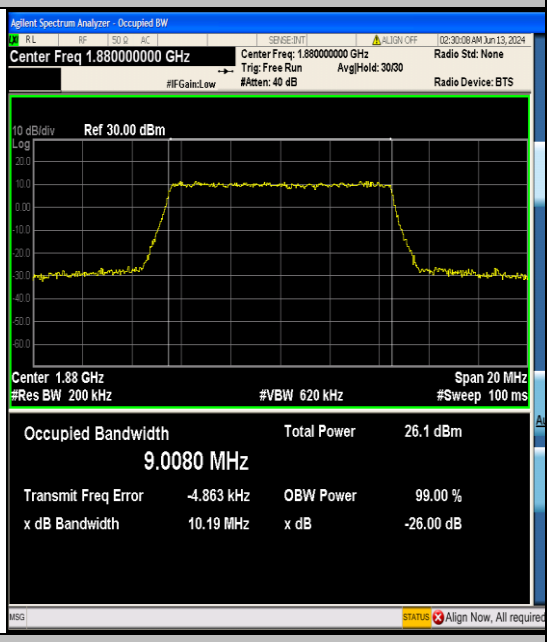


Band2-10MHz-QPSK-18650-50RB#0-PASS



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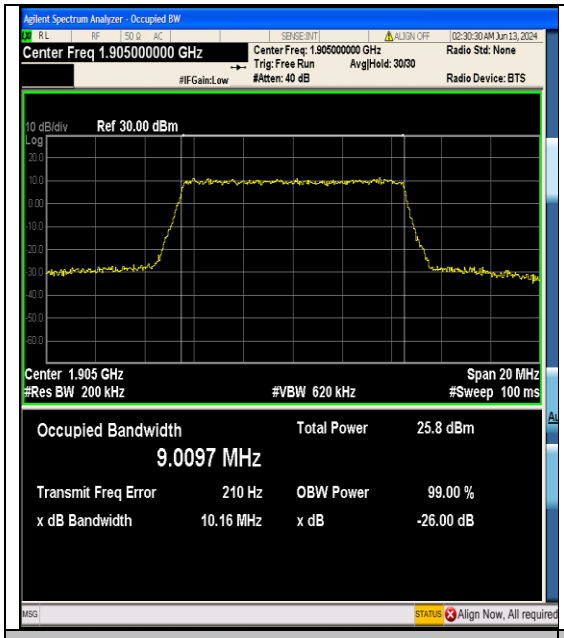
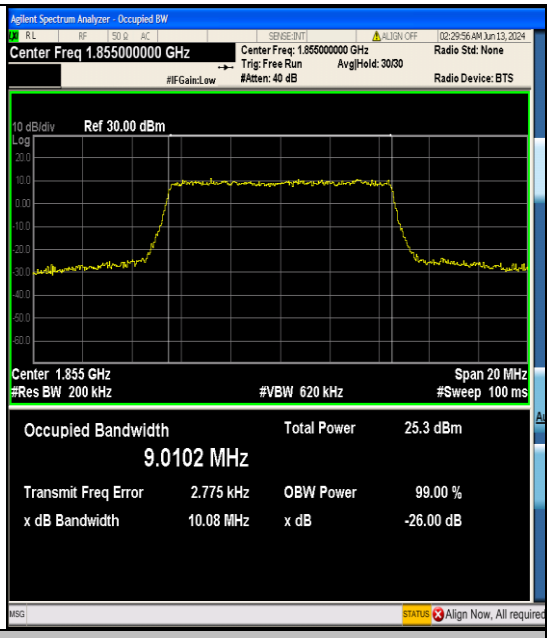
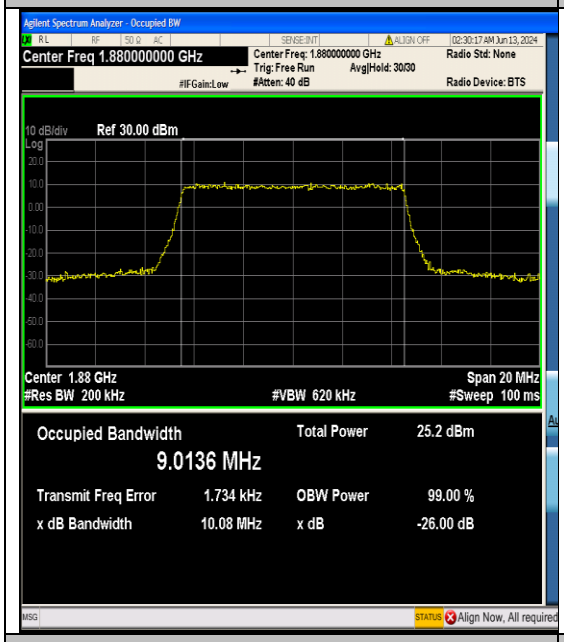


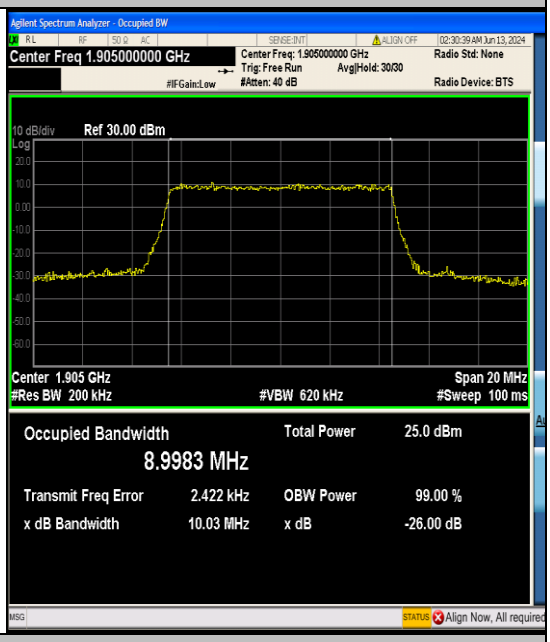
Band2-10MHz-QPSK-19150-50RB#0-PASS



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



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



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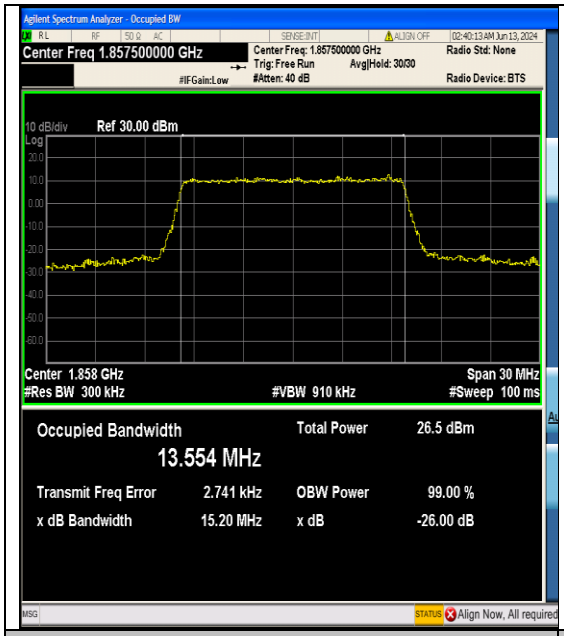
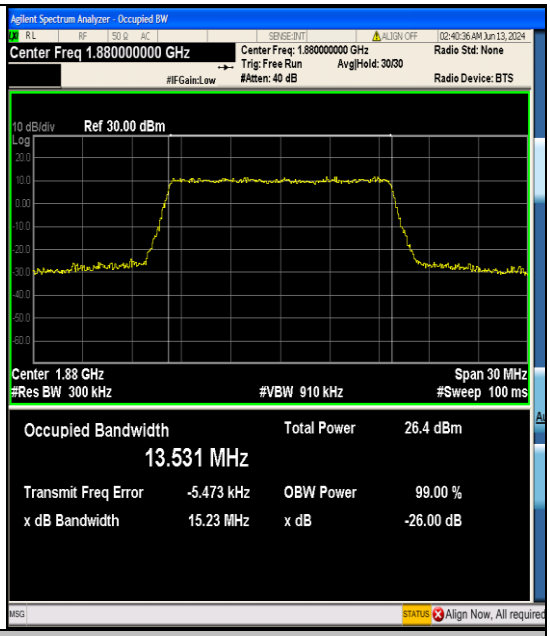
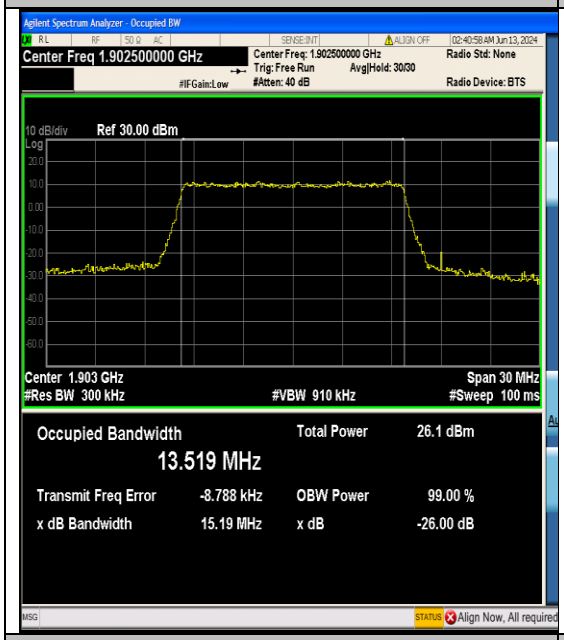


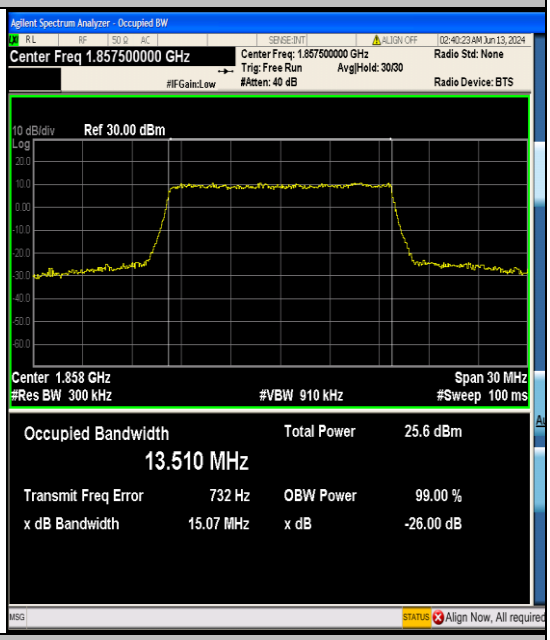
Band2-15MHz-QPSK-18675-75RB#0-PASS



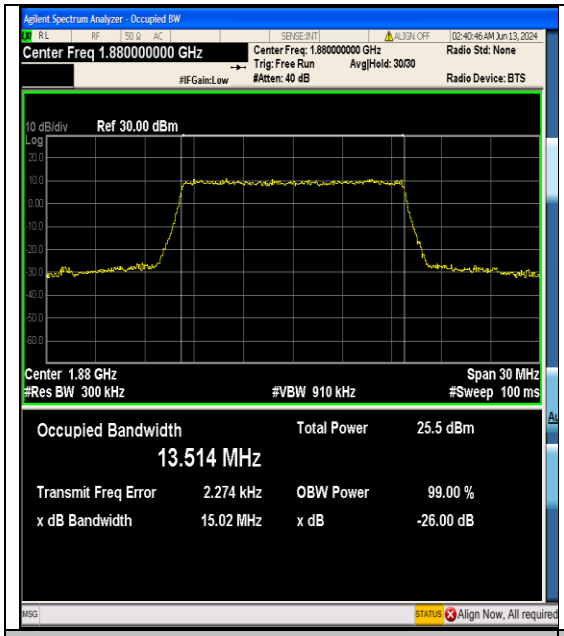
Band2-15MHz-QPSK-18900-75RB#0-PASS



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



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



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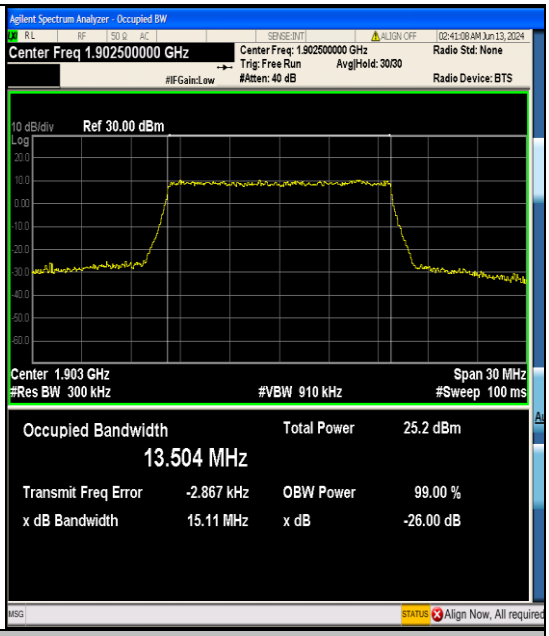
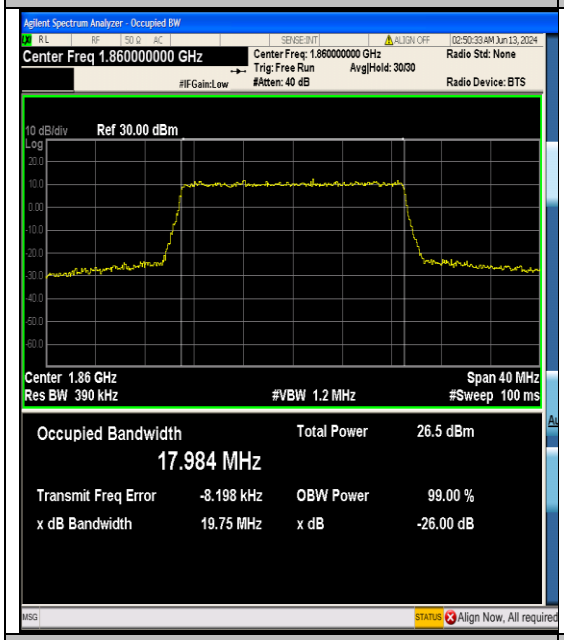
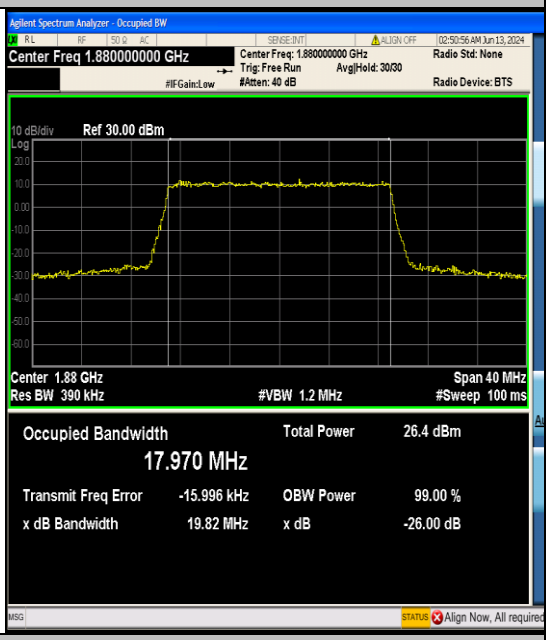


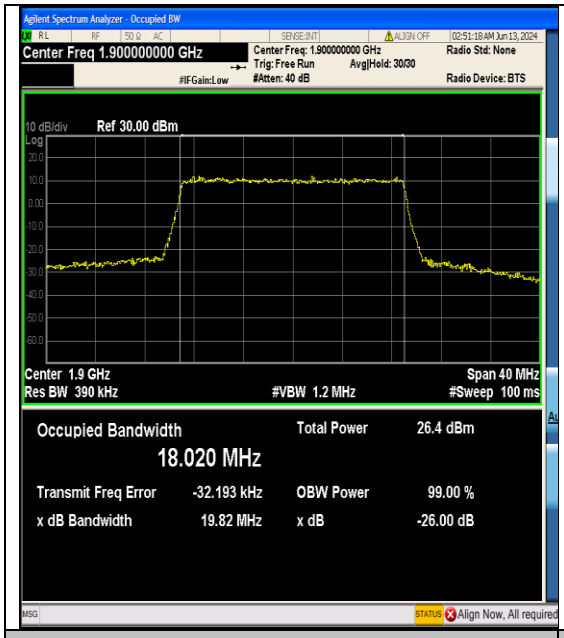
Band2-15MHz-16QAM-19125-75RB#0-PASS



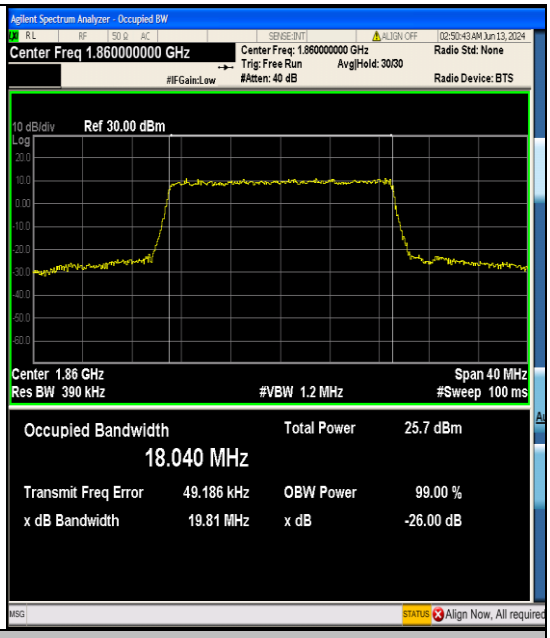
Band2-20MHz-QPSK-18700-100RB#0-PASS



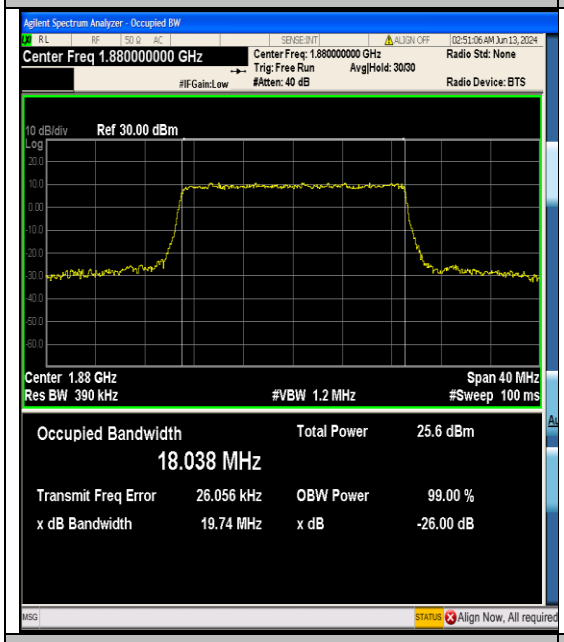
Band2-20MHz-QPSK-18900-100RB#0-PASS



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



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



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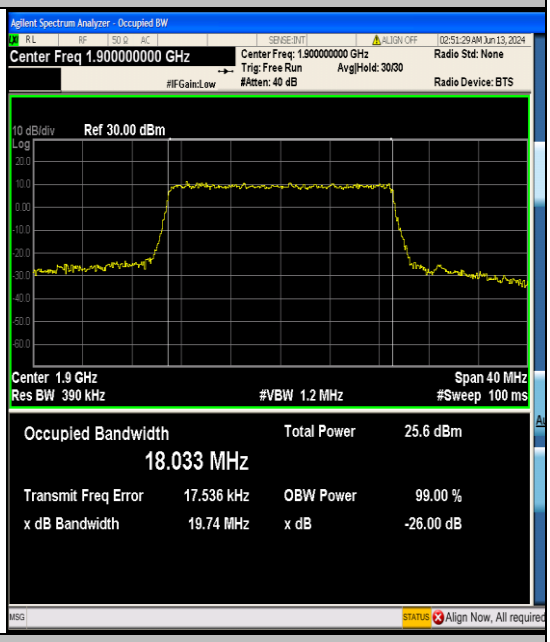


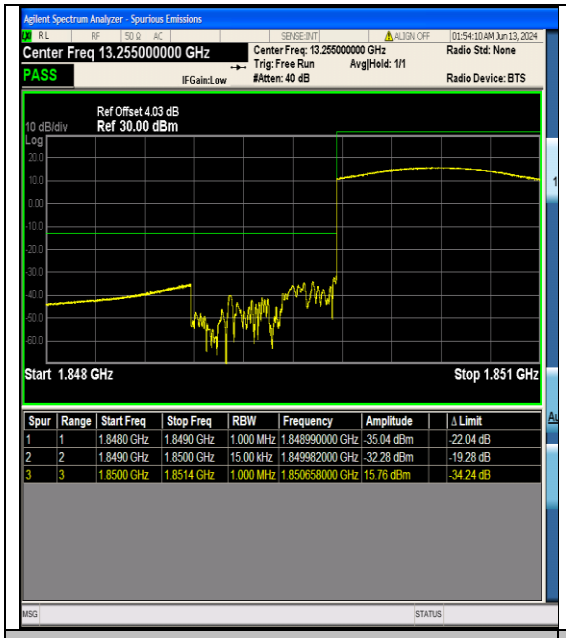
Band2-20MHz-16QAM-19100-100RB#0-PASS

Appendix D: Band Edge

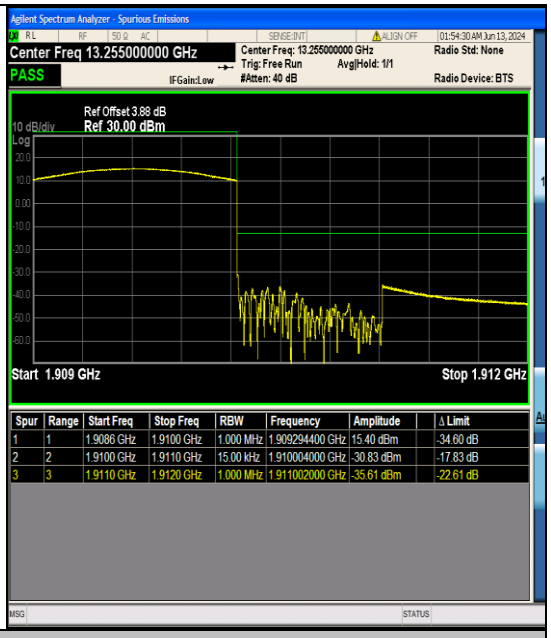
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-32.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-30.83	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-36.72	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-34.87	PASS
Band2	3MHz	QPSK	18615	15RB#0	-31.13	PASS
Band2	3MHz	QPSK	19185	15RB#0	-31.69	PASS
Band2	3MHz	16QAM	18615	15RB#0	-32.77	PASS
Band2	3MHz	16QAM	19185	15RB#0	-32.34	PASS
Band2	5MHz	QPSK	18625	25RB#0	-31.35	PASS
Band2	5MHz	QPSK	19175	25RB#0	-31.94	PASS
Band2	5MHz	16QAM	18625	25RB#0	-32.55	PASS
Band2	5MHz	16QAM	19175	25RB#0	-32.74	PASS
Band2	10MHz	QPSK	18650	50RB#0	-32.21	PASS
Band2	10MHz	QPSK	19150	50RB#0	-34.16	PASS
Band2	10MHz	16QAM	18650	50RB#0	-34.52	PASS
Band2	10MHz	16QAM	19150	50RB#0	-35.10	PASS
Band2	15MHz	QPSK	18675	75RB#0	-31.79	PASS
Band2	15MHz	QPSK	19125	75RB#0	-34.09	PASS
Band2	15MHz	16QAM	18675	75RB#0	-34.60	PASS
Band2	15MHz	16QAM	19125	75RB#0	-35.36	PASS
Band2	20MHz	QPSK	18700	100RB#0	-35.13	PASS
Band2	20MHz	QPSK	19100	100RB#0	-35.50	PASS
Band2	20MHz	16QAM	18700	100RB#0	-37.16	PASS
Band2	20MHz	16QAM	19100	100RB#0	-36.81	PASS

Test Graphs



Band2_1.4MHz_QPSK_18607_6RB#0



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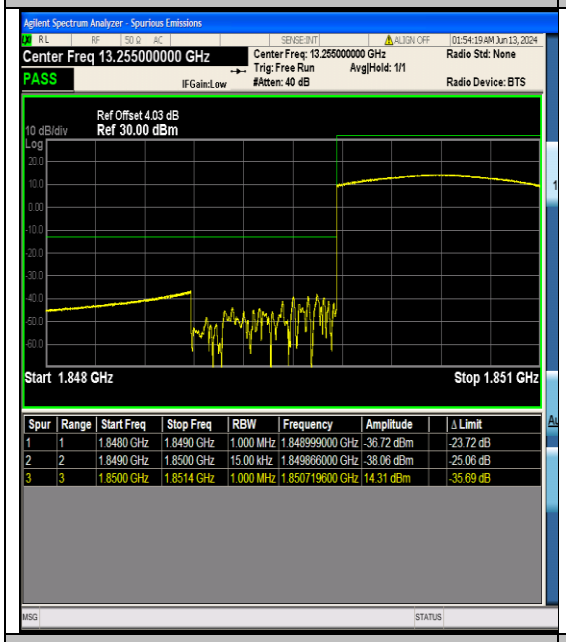

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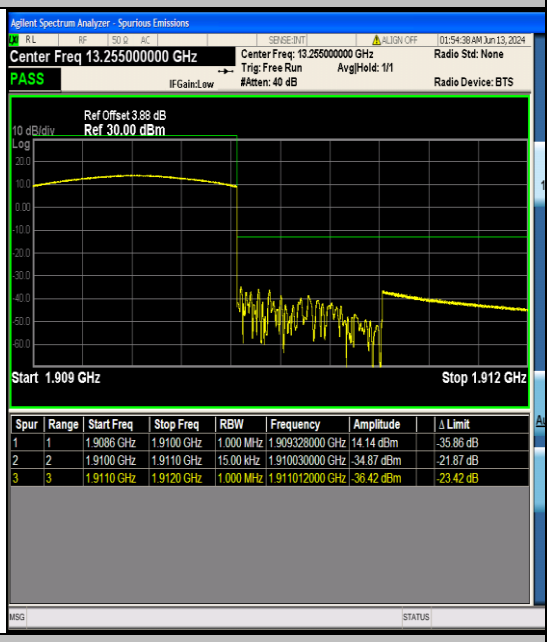

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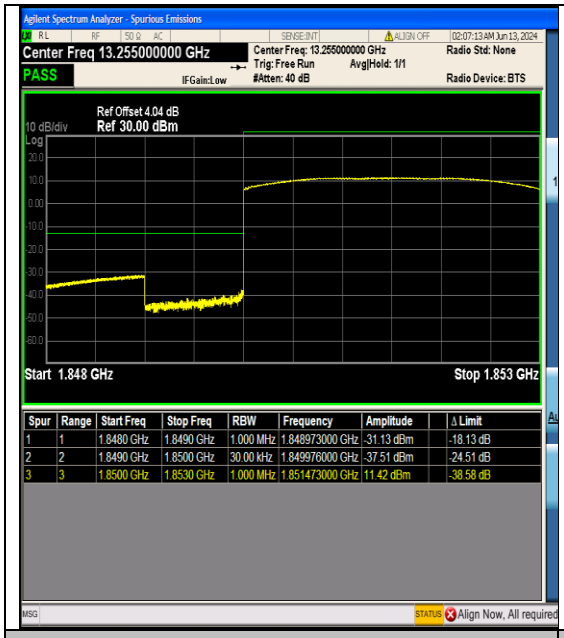
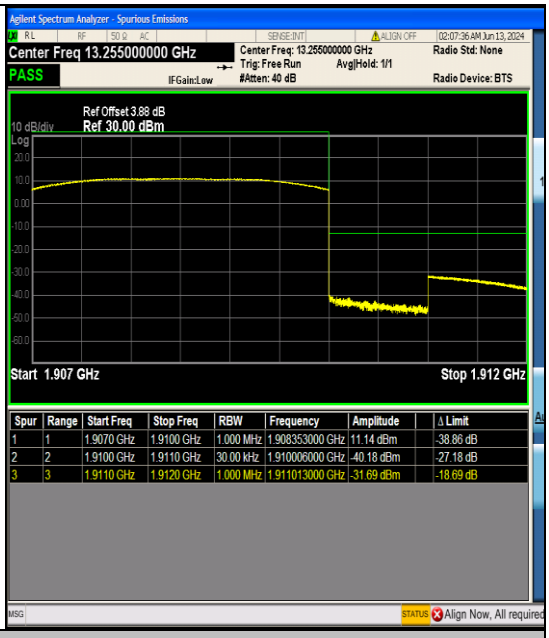
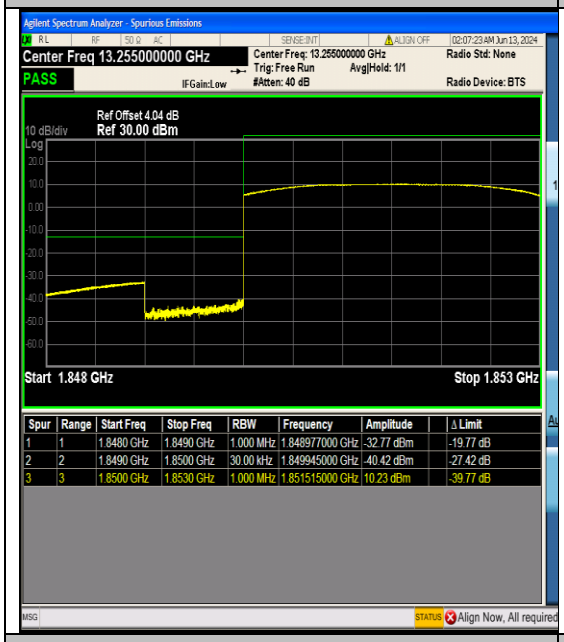


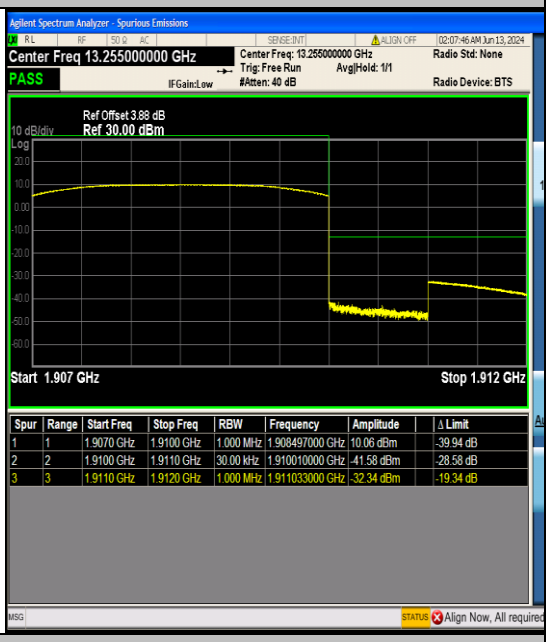
Band2_3MHz_QPSK_18615_15RB#0



Band2_3MHz_QPSK_19185_15RB#0



Band2_3MHz_16QAM_18615_15RB#0



Band2_3MHz_16QAM_19185_15RB#0