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)

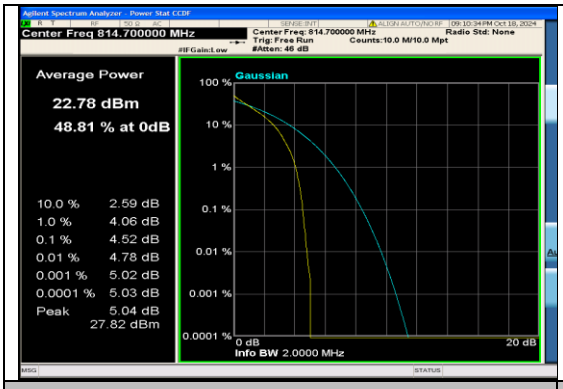
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	4.52	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	4.67	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	4.90	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.30	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	5.62	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	5.80	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	4.70	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	4.84	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	4.96	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	5.60	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	5.66	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	5.78	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.67	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.76	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.82	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	5.48	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	5.63	13	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	5.72	13	PASS

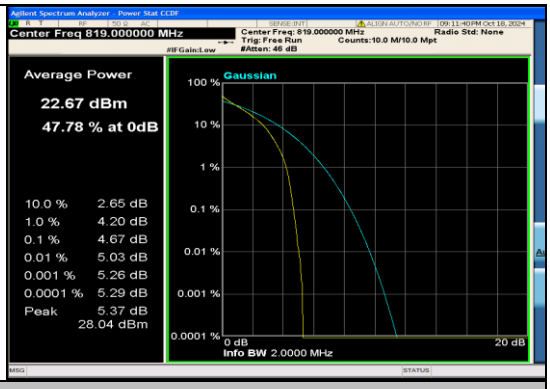
Band26(814-824)	10MHz	QPSK	26740	50RB#0	4.77	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	5.64	13	PASS
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	4.87	13	PASS
Band26(824-849)	1.4MHz	QPSK	26915	6RB#0	4.53	13	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	4.40	13	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	5.74	13	PASS
Band26(824-849)	1.4MHz	16QAM	26915	6RB#0	5.42	13	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	5.33	13	PASS
Band26(824-849)	3MHz	QPSK	26805	15RB#0	4.94	13	PASS
Band26(824-849)	3MHz	QPSK	26915	15RB#0	4.74	13	PASS
Band26(824-849)	3MHz	QPSK	27025	15RB#0	4.67	13	PASS
Band26(824-849)	3MHz	16QAM	26805	15RB#0	5.83	13	PASS
Band26(824-849)	3MHz	16QAM	26915	15RB#0	5.63	13	PASS
Band26(824-849)	3MHz	16QAM	27025	15RB#0	5.45	13	PASS
Band26(824-849)	5MHz	QPSK	26815	25RB#0	4.87	13	PASS
Band26(824-849)	5MHz	QPSK	26915	25RB#0	4.67	13	PASS
Band26(824-849)	5MHz	QPSK	27015	25RB#0	4.67	13	PASS
Band26(824-849)	5MHz	16QAM	26815	25RB#0	5.74	13	PASS
Band26(824-849)	5MHz	16QAM	26915	25RB#0	5.53	13	PASS
Band26(824-849)	5MHz	16QAM	27015	25RB#0	5.50	13	PASS
Band26(824-849)	10MHz	QPSK	26840	50RB#0	4.89	13	PASS
Band26(824-849)	10MHz	QPSK	26915	50RB#0	4.70	13	PASS

Band26(824-849)	10MHz	QPSK	26990	50RB#0	4.78	13	PASS
Band26(824-849)	10MHz	16QAM	26840	50RB#0	5.72	13	PASS
Band26(824-849)	10MHz	16QAM	26915	50RB#0	5.54	13	PASS
Band26(824-849)	10MHz	16QAM	26990	50RB#0	5.65	13	PASS
Band26(824-849)	15MHz	QPSK	26865	75RB#0	4.85	13	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	4.77	13	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	4.83	13	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	5.65	13	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	5.59	13	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	5.65	13	PASS

Test Graphs



Band26(814-824)-1.4MHz-QPSK-26697-6RB#0-PASS



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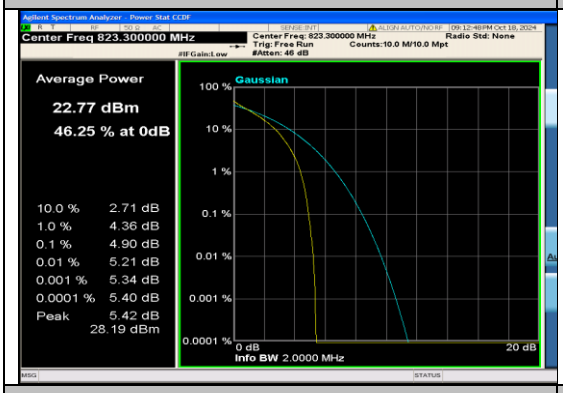

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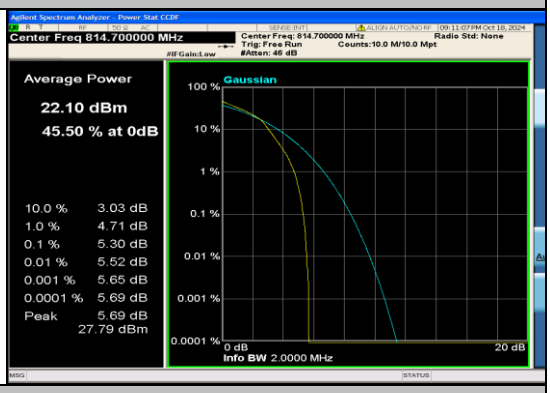

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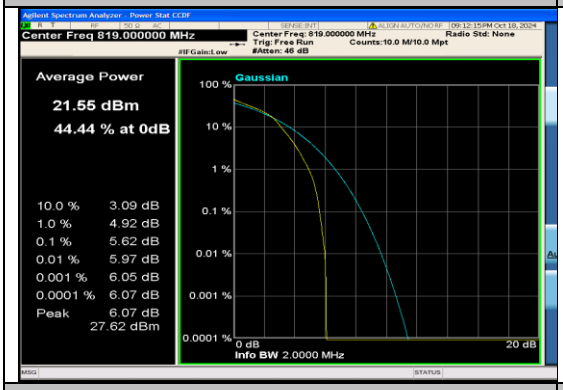

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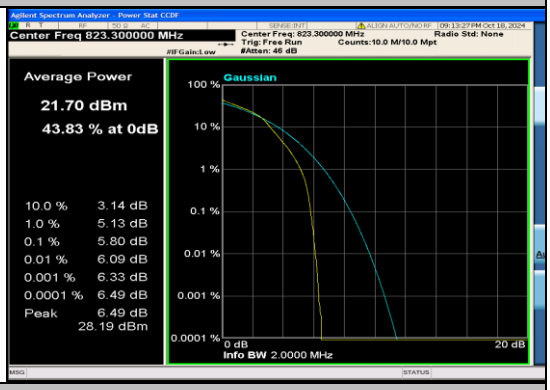

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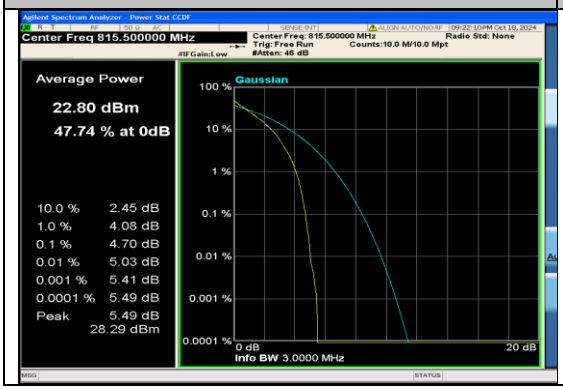

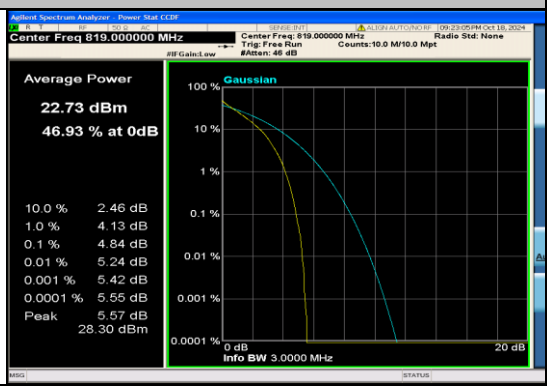

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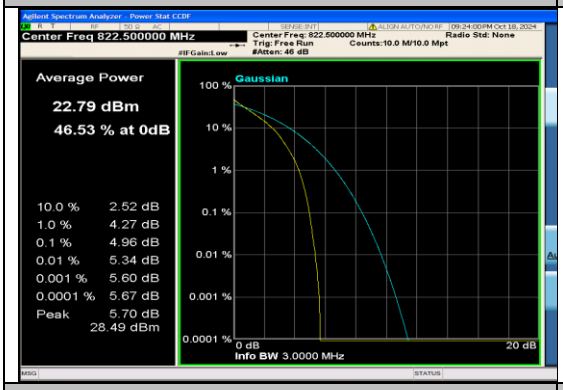

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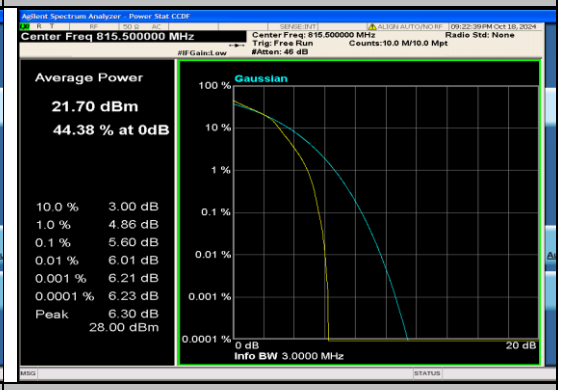

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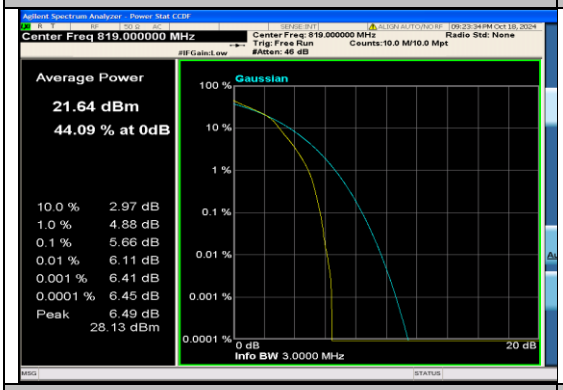

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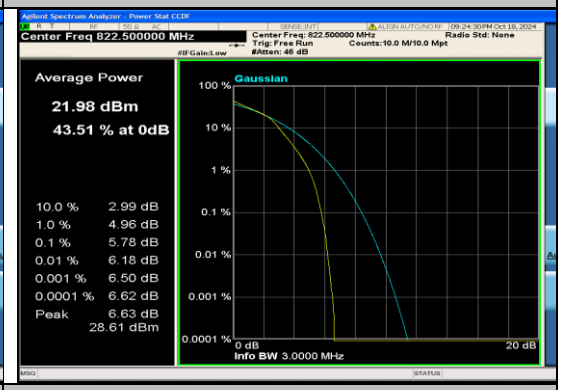

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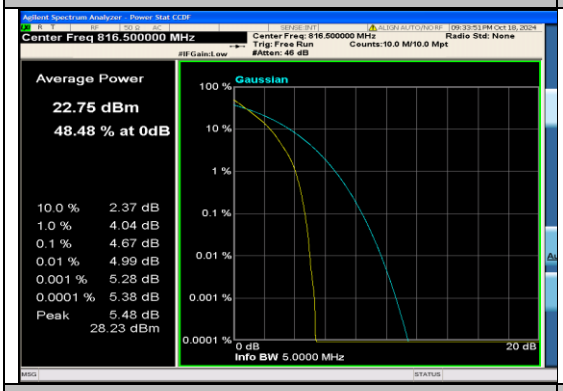

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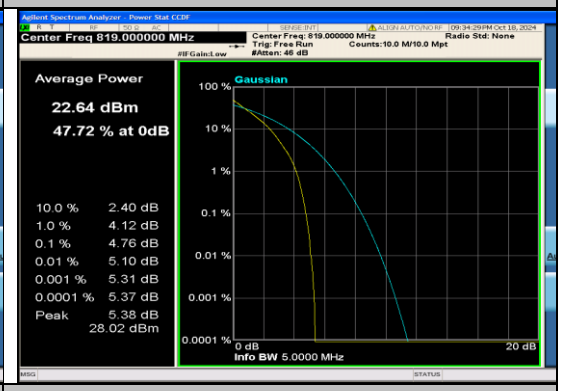
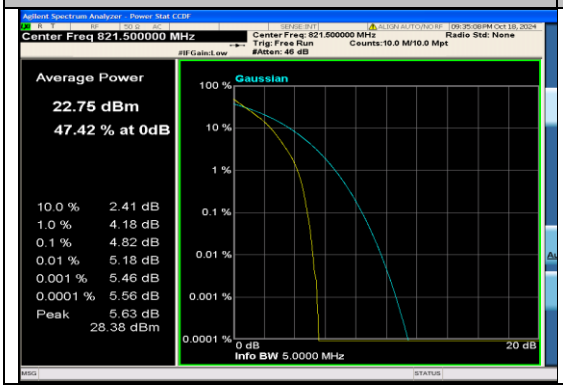


Band26(814-824)-5MHz-QPSK-26715-25RB#0-PASS



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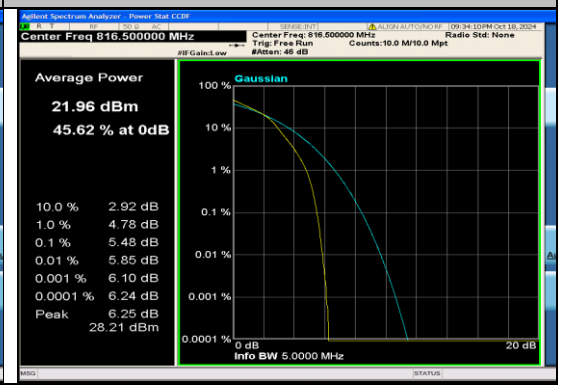

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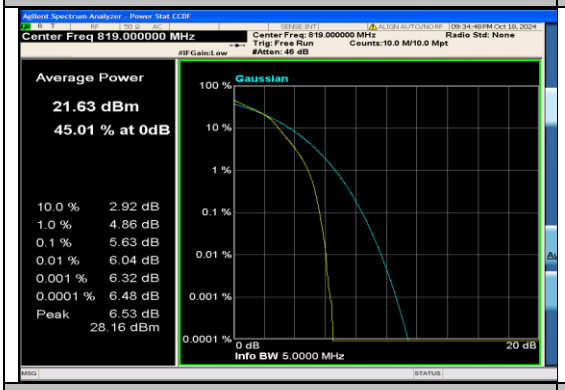

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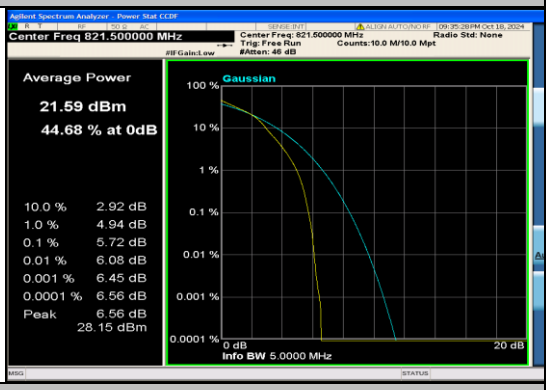

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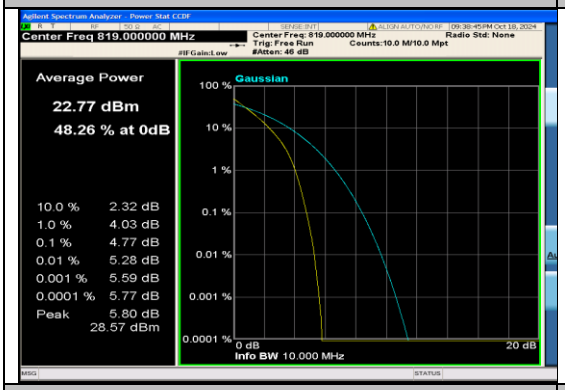

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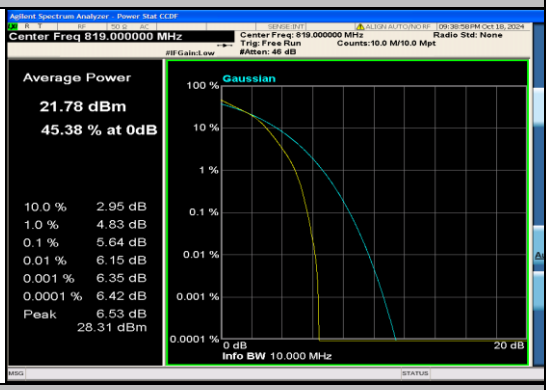
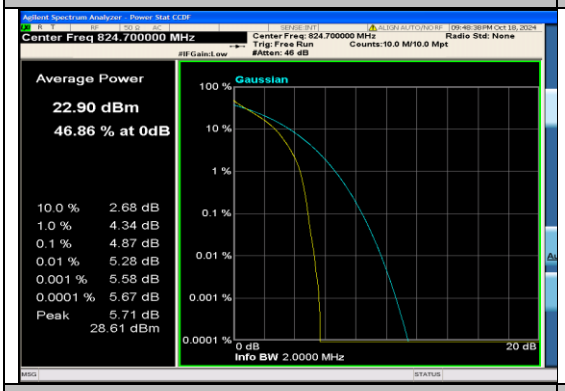
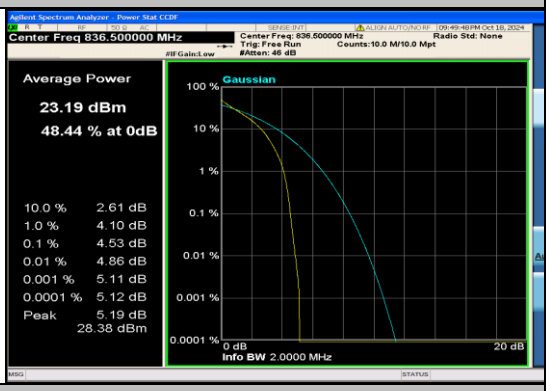


Band26(814-824)-10MHz-QPSK-26740-50RB#0-PASS



Band26(814-824)-10MHz-16QAM-26740-50RB#0-PASS



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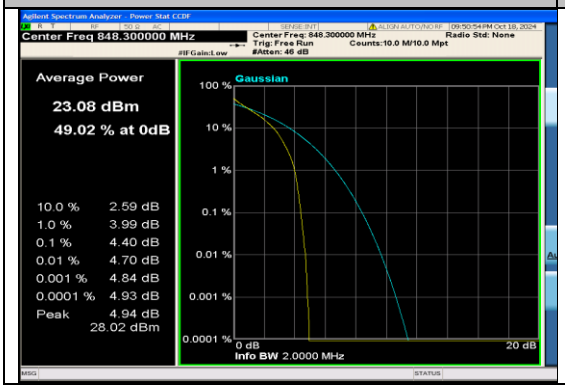

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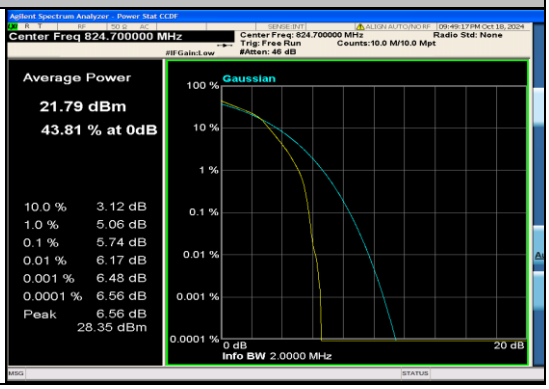

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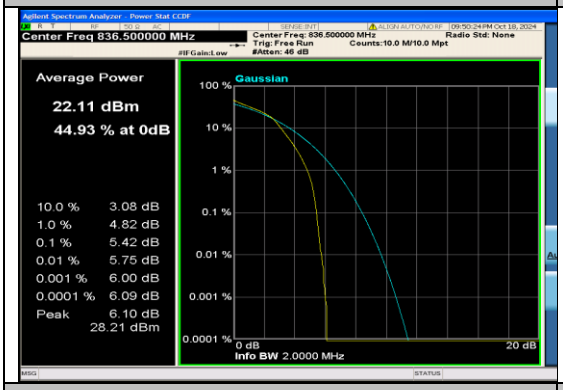

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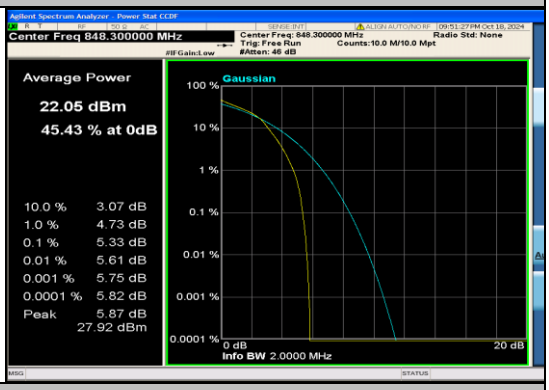

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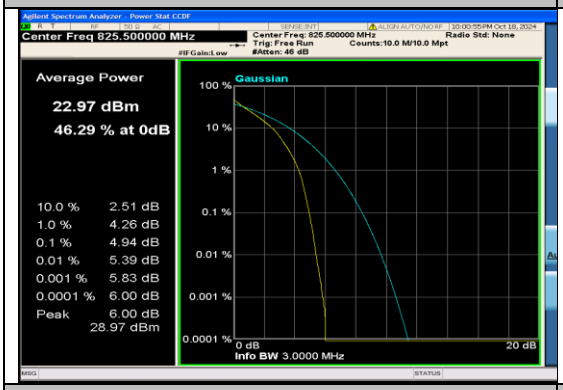

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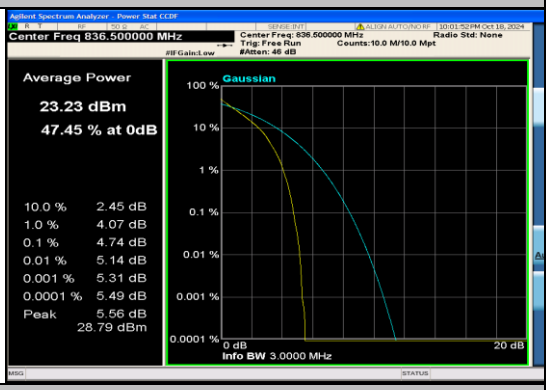

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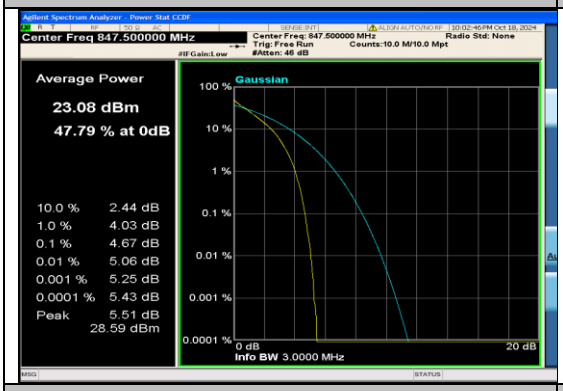

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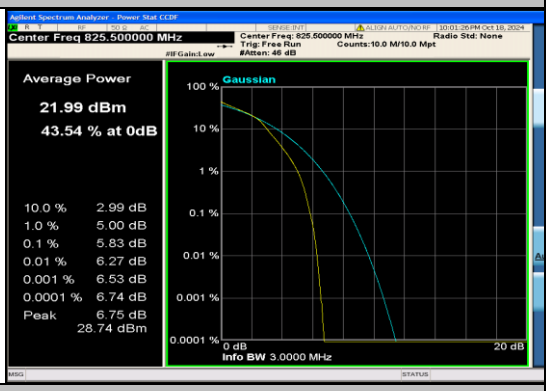

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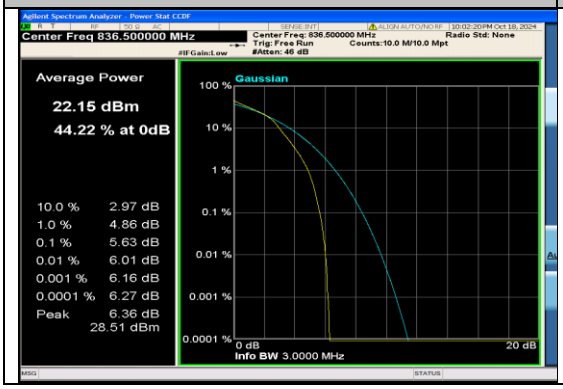

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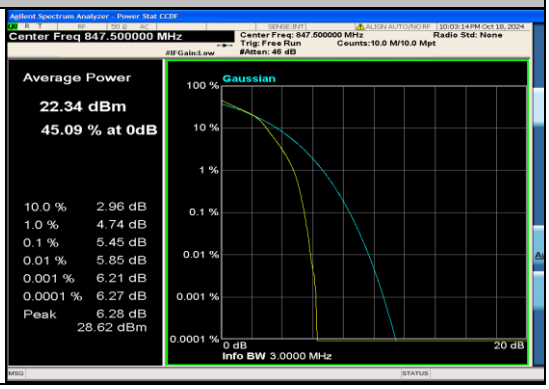

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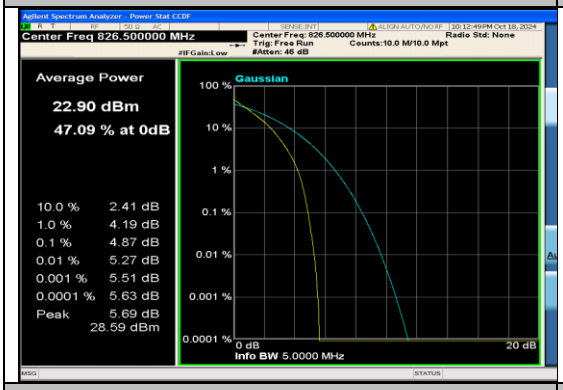

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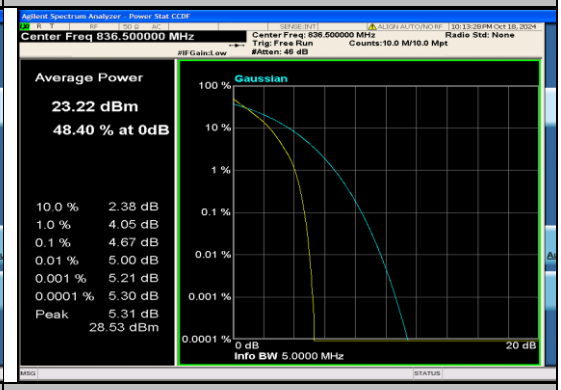
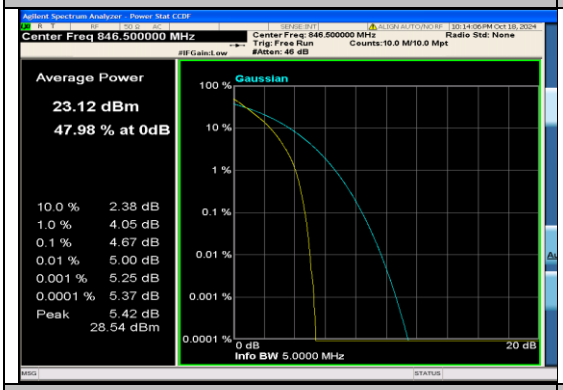


Band26(824-849)-5MHz-QPSK-26815-25RB#0-PASS



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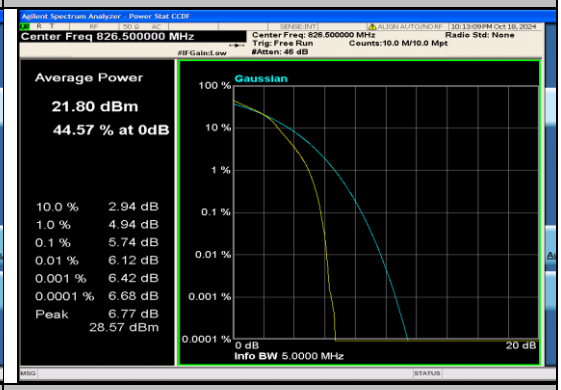
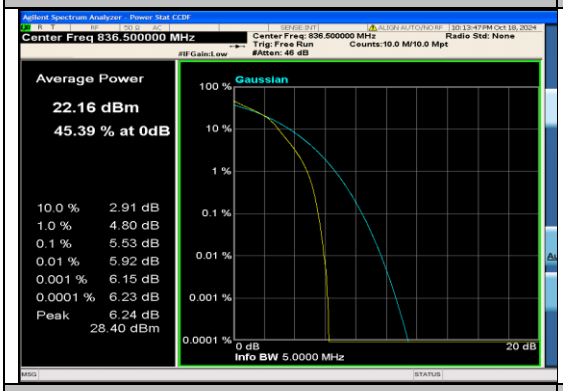
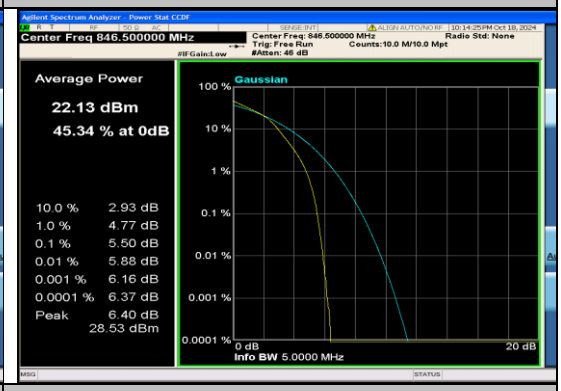


Band26(824-849)-5MHz-QPSK-27015-25RB#0-PASS



Band26(824-849)-5MHz-16QAM-26815-25RB#0-PASS



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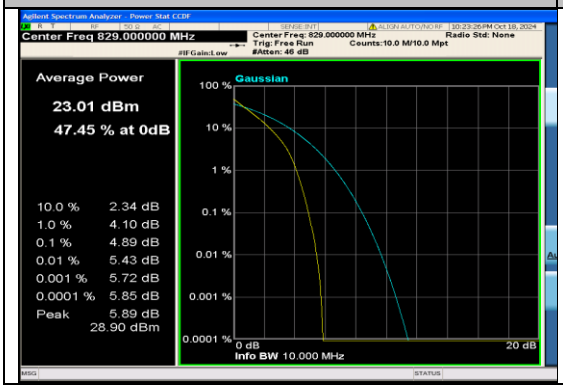

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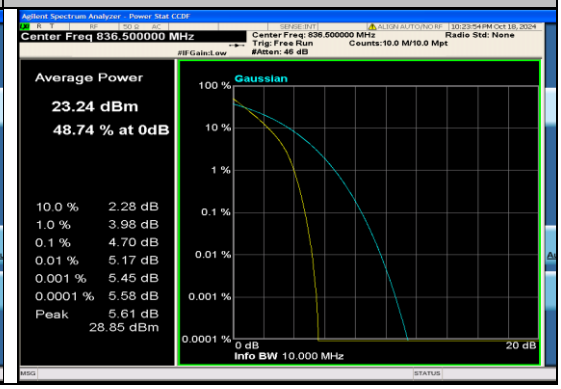

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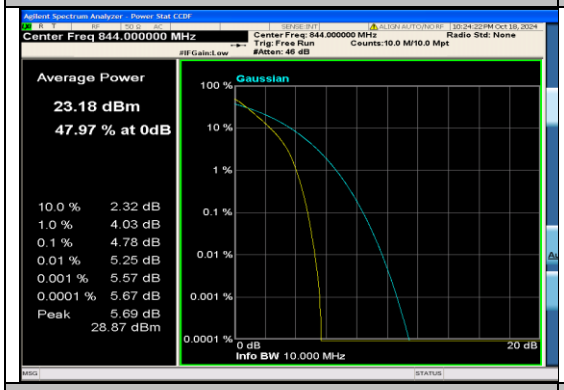

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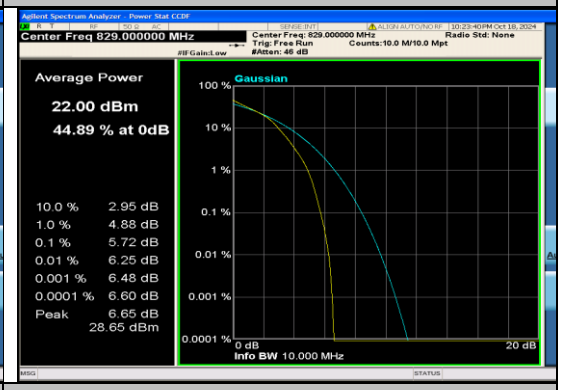

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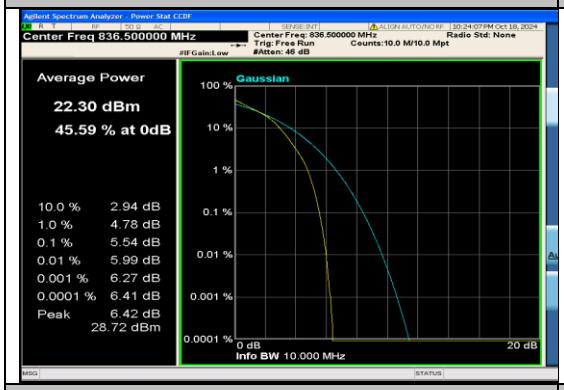

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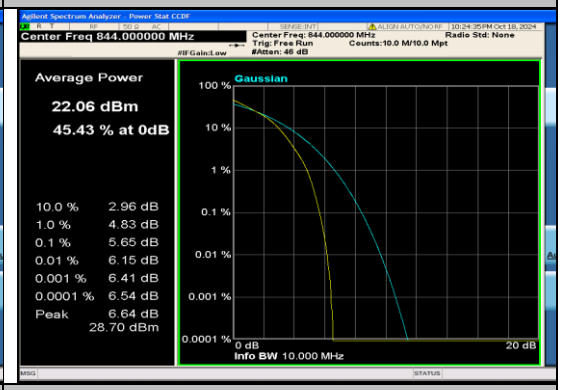

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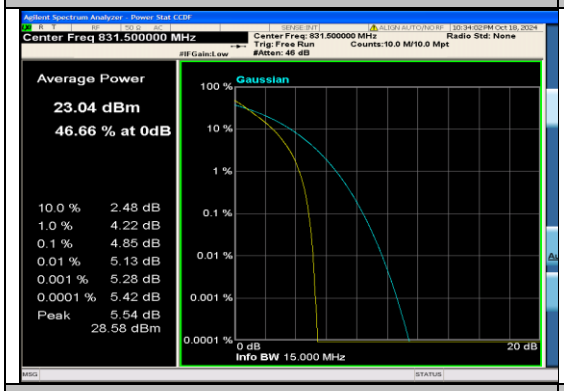

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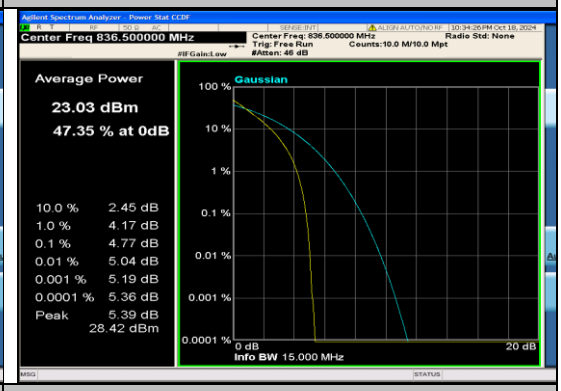
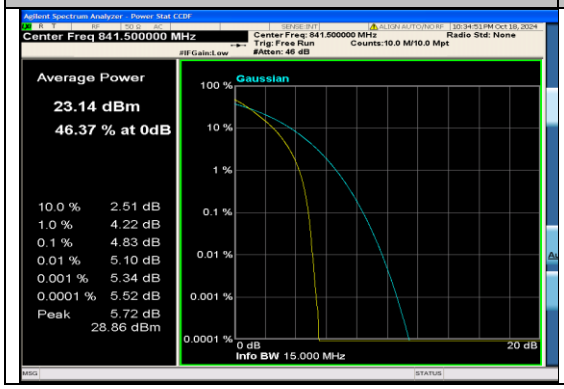
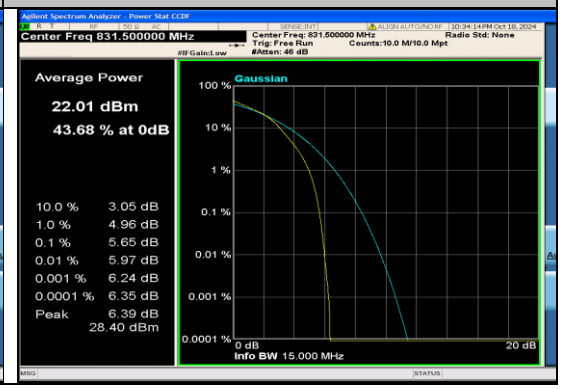


Band26(824-849)-15MHz-QPSK-26865-75RB#0-PASS



Band26(824-849)-15MHz-QPSK-26915-75RB#0-PASS



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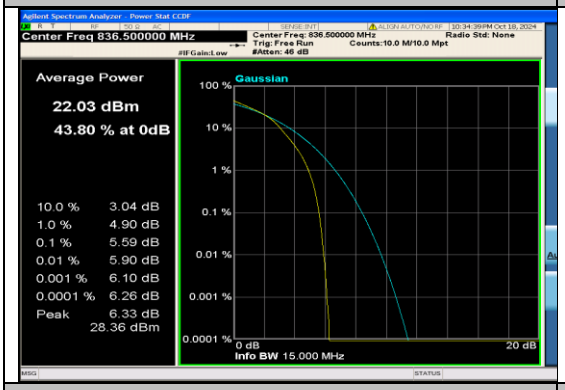
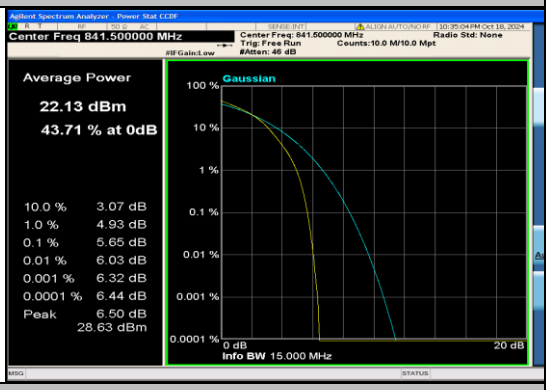
	
Band26(824-849)-15MHz-16QAM-26915-75RB#0-PASS	Band26(824-849)-15MHz-16QAM-26965-75RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

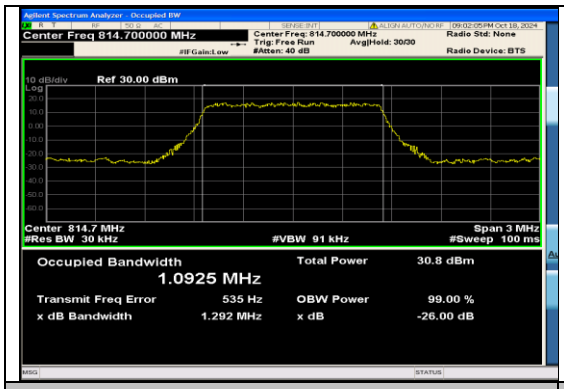
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0925	1.292	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0971	1.283	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0973	1.304	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0984	1.295	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0962	1.297	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0932	1.274	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.6972	2.963	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.6950	2.965	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.7061	2.961	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6895	2.971	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.6904	2.970	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.6963	2.978	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.4970	4.997	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.4847	4.963	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.4981	4.995	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.4892	4.960	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.4999	5.014	PASS
Band26(814-	5MHz	16QAM	26765	25RB#0	4.5155	5.023	PASS

824)							
Band26(814-824)	10MHz	QPSK	26740	50RB#0	8.9574	9.885	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9618	9.850	PASS
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	1.0956	1.287	PASS
Band26(824-849)	1.4MHz	QPSK	26915	6RB#0	1.0929	1.303	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	1.0922	1.297	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	1.0937	1.286	PASS
Band26(824-849)	1.4MHz	16QAM	26915	6RB#0	1.0964	1.314	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	1.0971	1.282	PASS
Band26(824-849)	3MHz	QPSK	26805	15RB#0	2.6979	2.975	PASS
Band26(824-849)	3MHz	QPSK	26915	15RB#0	2.7011	2.969	PASS
Band26(824-849)	3MHz	QPSK	27025	15RB#0	2.7004	2.956	PASS
Band26(824-849)	3MHz	16QAM	26805	15RB#0	2.6924	2.964	PASS
Band26(824-849)	3MHz	16QAM	26915	15RB#0	2.6873	2.961	PASS
Band26(824-849)	3MHz	16QAM	27025	15RB#0	2.6912	2.967	PASS
Band26(824-849)	5MHz	QPSK	26815	25RB#0	4.5006	5.006	PASS
Band26(824-849)	5MHz	QPSK	26915	25RB#0	4.4888	4.970	PASS
Band26(824-849)	5MHz	QPSK	27015	25RB#0	4.4981	4.991	PASS
Band26(824-849)	5MHz	16QAM	26815	25RB#0	4.5000	4.967	PASS
Band26(824-849)	5MHz	16QAM	26915	25RB#0	4.4985	5.002	PASS
Band26(824-849)	5MHz	16QAM	27015	25RB#0	4.4947	4.961	PASS
Band26(824-849)	10MHz	QPSK	26840	50RB#0	8.9683	9.952	PASS

Band26(824-849)	10MHz	QPSK	26915	50RB#0	8.9603	9.862	PASS
Band26(824-849)	10MHz	QPSK	26990	50RB#0	8.9675	9.909	PASS
Band26(824-849)	10MHz	16QAM	26840	50RB#0	8.9790	9.862	PASS
Band26(824-849)	10MHz	16QAM	26915	50RB#0	8.9404	9.822	PASS
Band26(824-849)	10MHz	16QAM	26990	50RB#0	8.9661	9.839	PASS
Band26(824-849)	15MHz	QPSK	26865	75RB#0	13.454	14.75	PASS
Band26(824-849)	15MHz	QPSK	26915	75RB#0	13.419	14.77	PASS
Band26(824-849)	15MHz	QPSK	26965	75RB#0	13.439	14.73	PASS
Band26(824-849)	15MHz	16QAM	26865	75RB#0	13.428	14.68	PASS
Band26(824-849)	15MHz	16QAM	26915	75RB#0	13.435	14.69	PASS
Band26(824-849)	15MHz	16QAM	26965	75RB#0	13.421	14.66	PASS

Test Graphs



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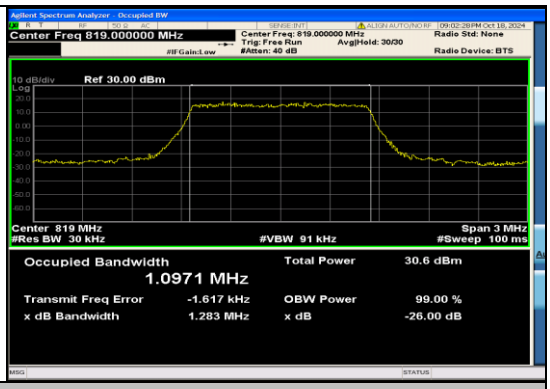

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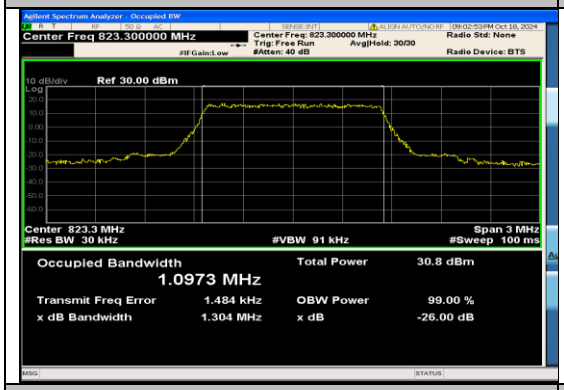

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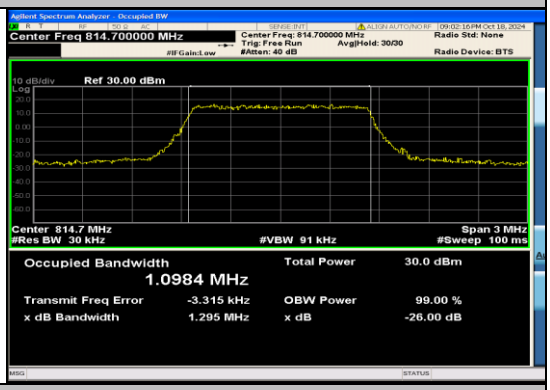

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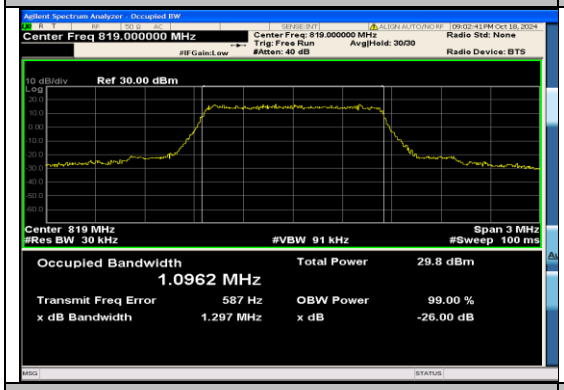

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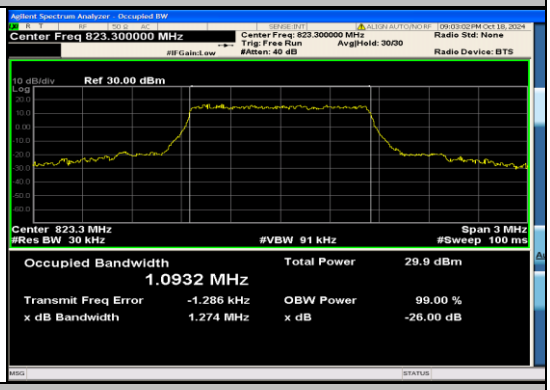

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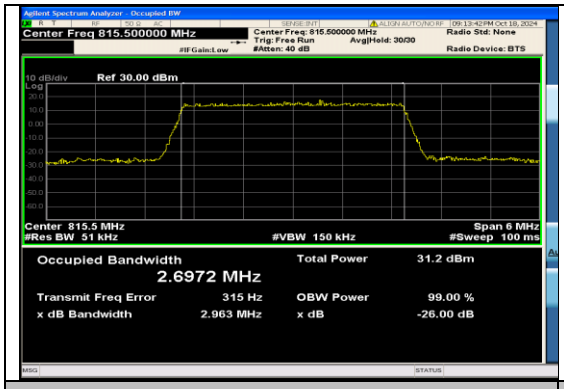

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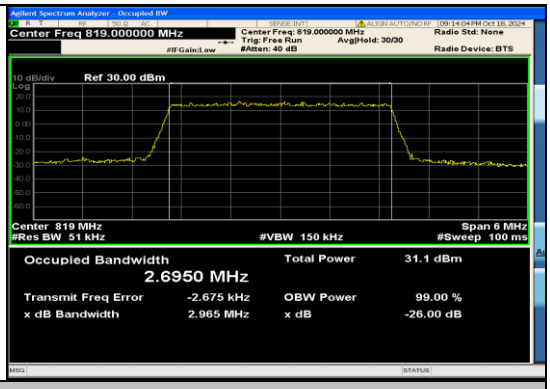

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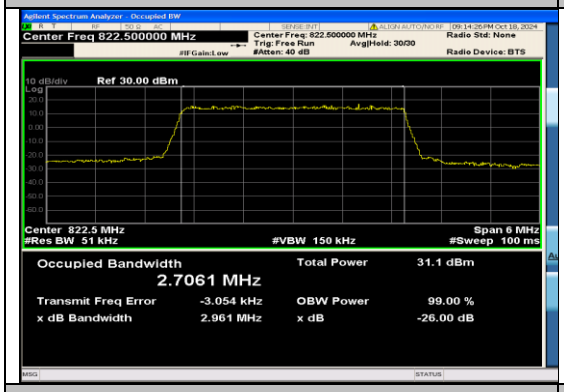

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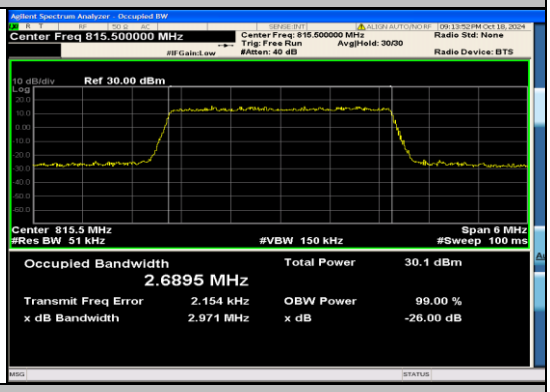

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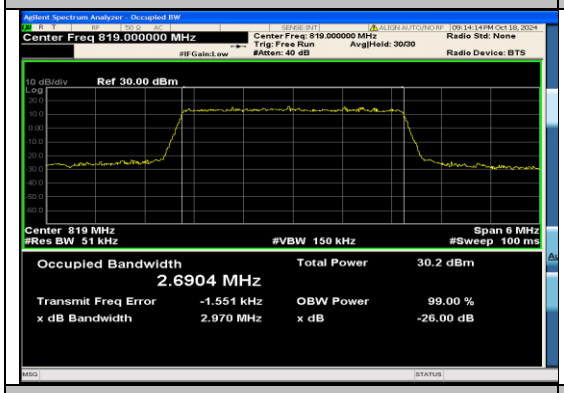

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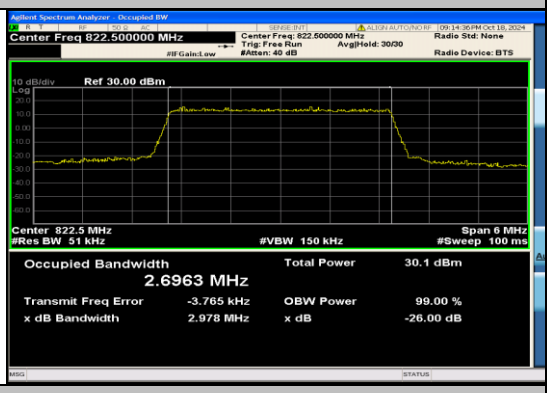

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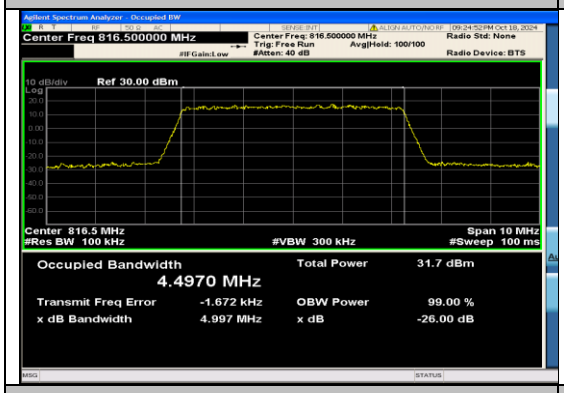
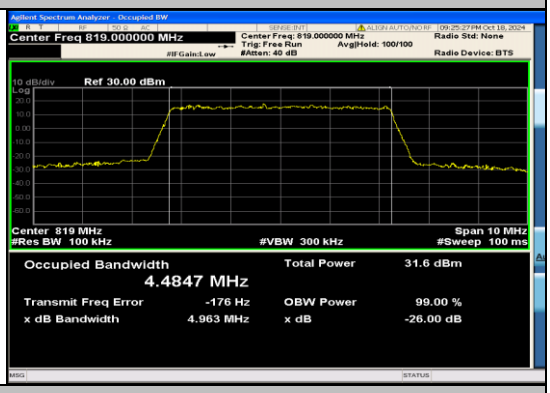


Band26(814-824)-5MHz-QPSK-26715-25RB#0-PASS



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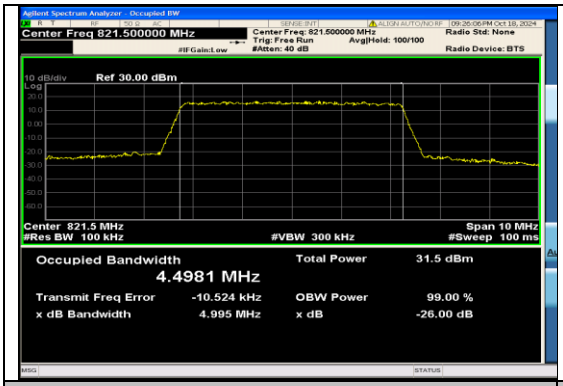

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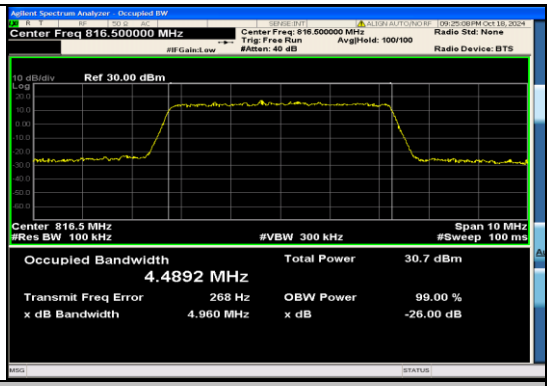

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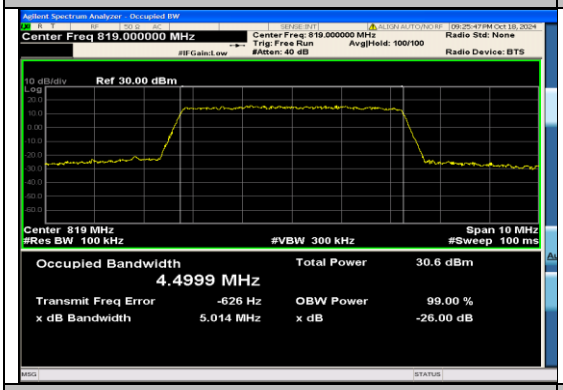

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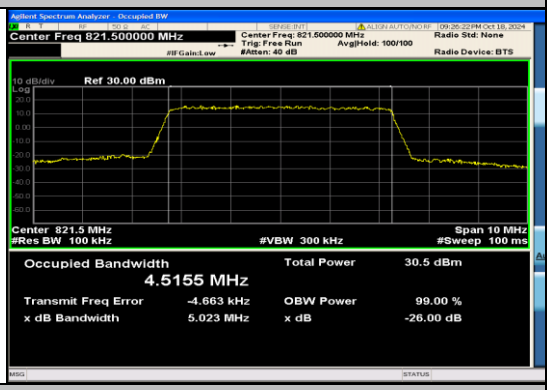

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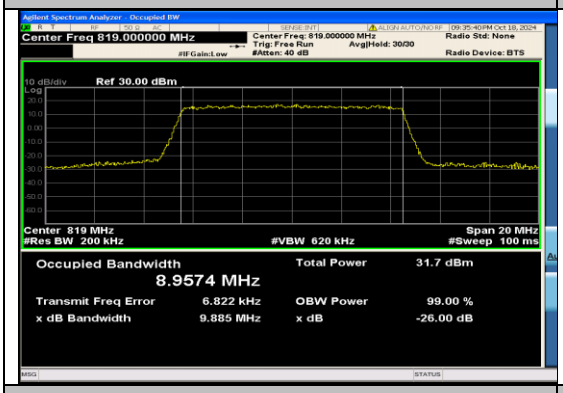
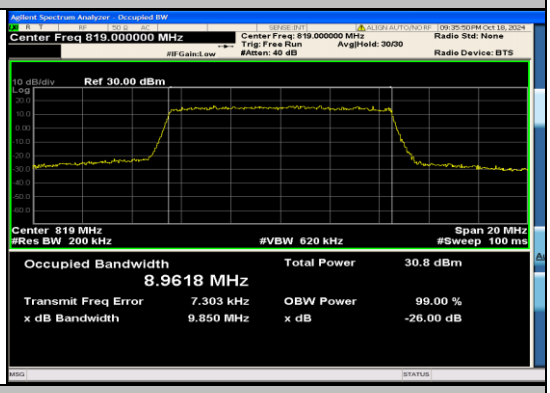


Band26(814-824)-10MHz-QPSK-26740-50RB#0-PASS



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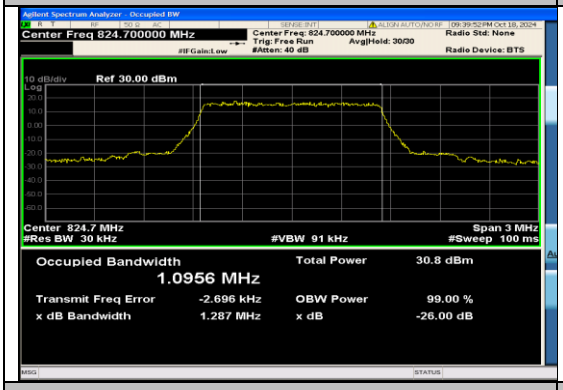
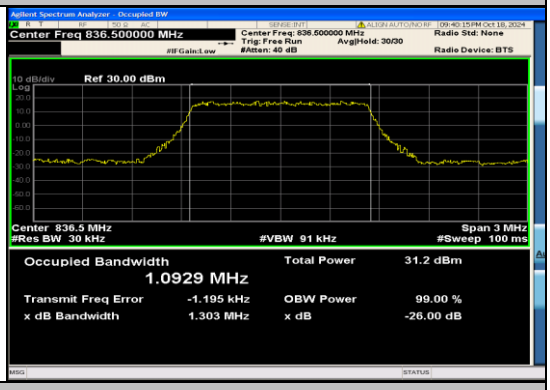
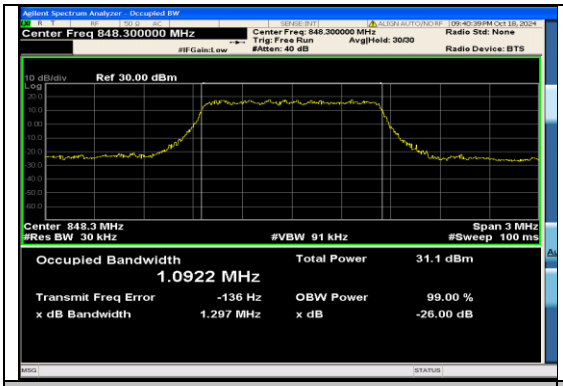


Band26(824-849)-1.4MHz-QPSK-26797-6RB#0-PASS



Band26(824-849)-1.4MHz-QPSK-26915-6RB#0-PASS



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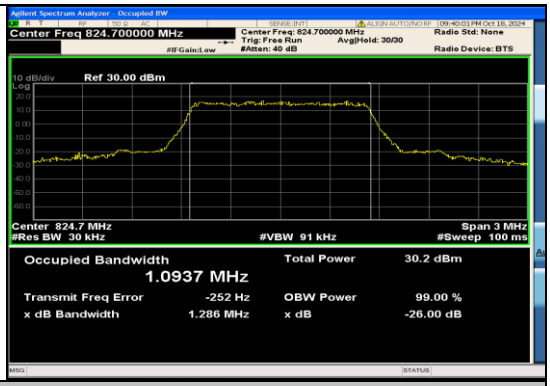
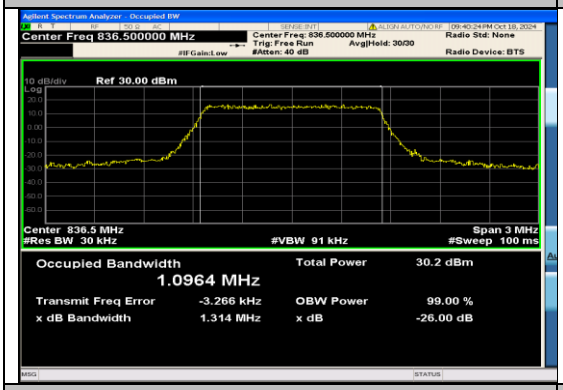


Band26(824-849)-1.4MHz-16QAM-26797-6RB#0-PASS



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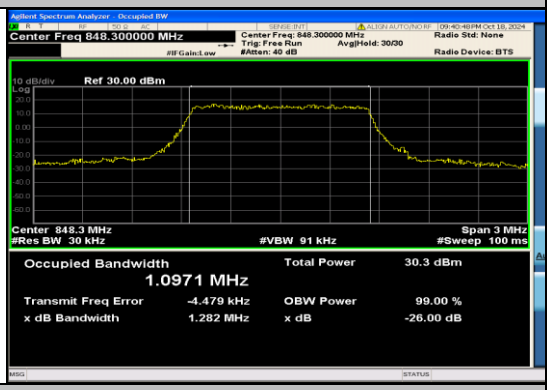

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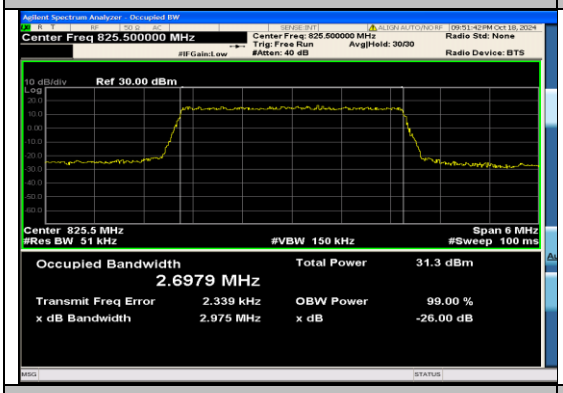
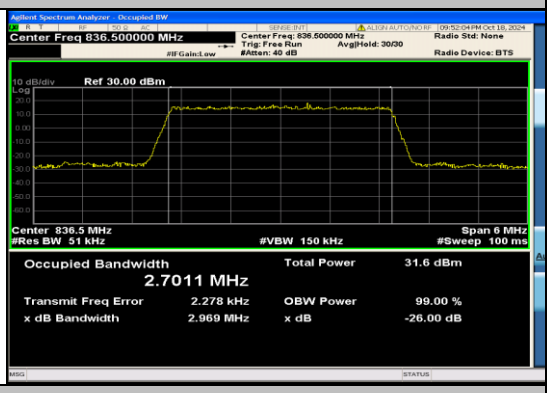
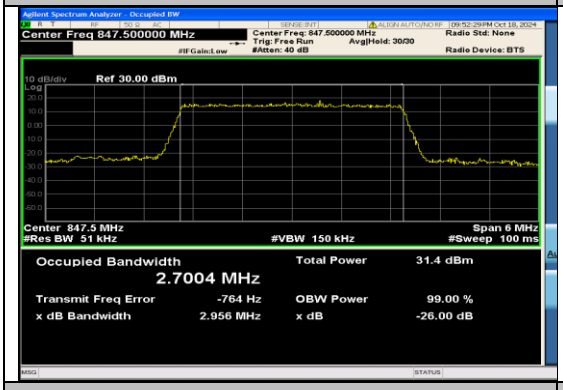


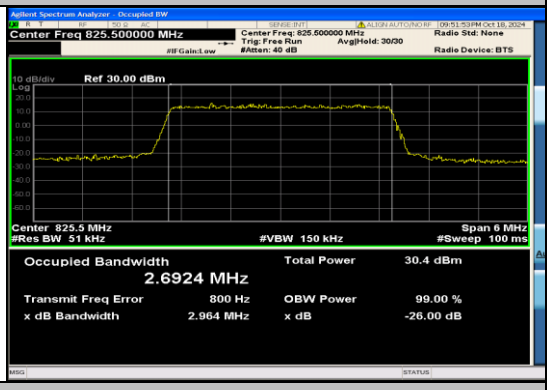
Band26(824-849)-3MHz-QPSK-26805-15RB#0-PASS



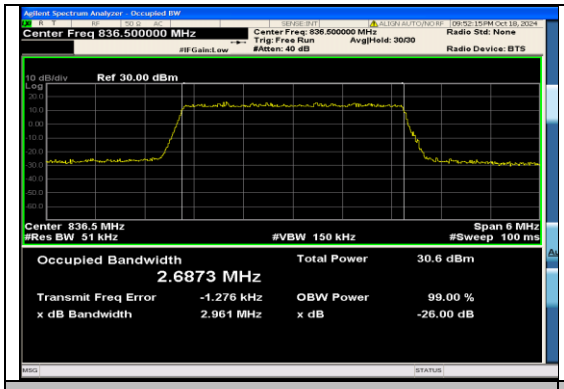
Band26(824-849)-3MHz-QPSK-26915-15RB#0-PASS



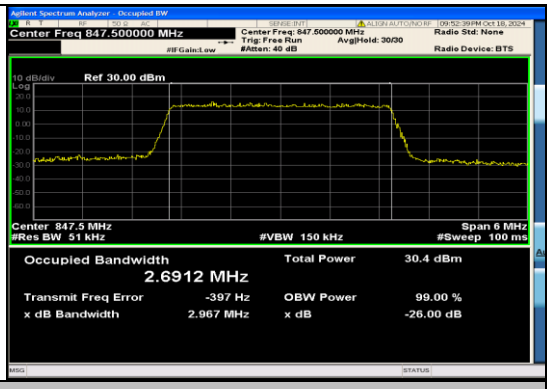
Band26(824-849)-3MHz-QPSK-27025-15RB#0-PASS



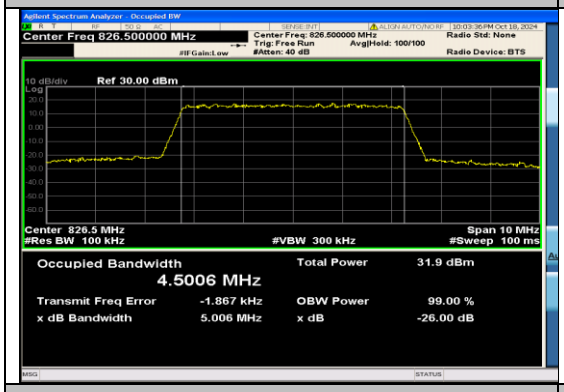
Band26(824-849)-3MHz-16QAM-26805-15RB#0-PASS



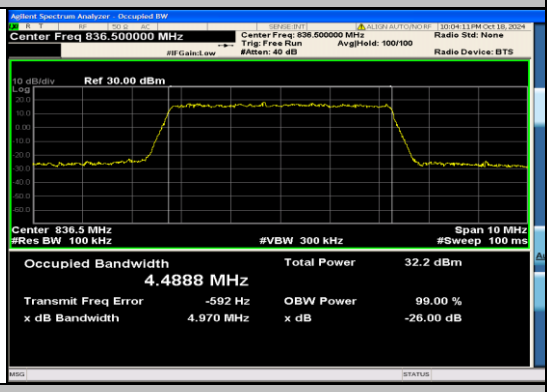
Band26(824-849)-3MHz-16QAM-26915-15RB#0-PASS



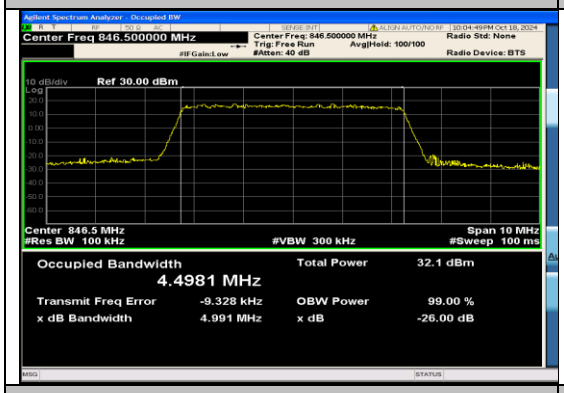
Band26(824-849)-3MHz-16QAM-27025-15RB#0-PASS



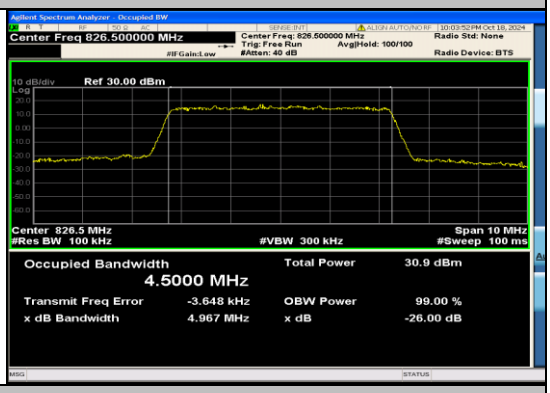
Band26(824-849)-5MHz-QPSK-26815-25RB#0-PASS



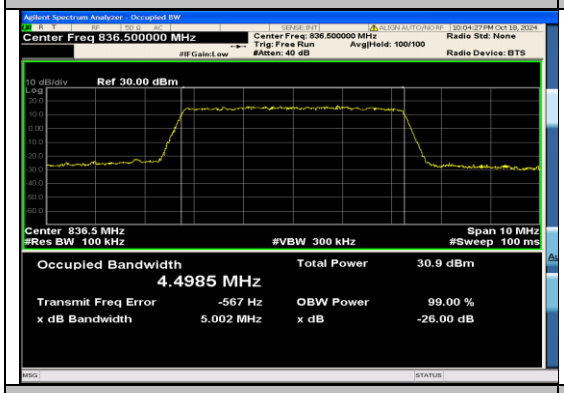
Band26(824-849)-5MHz-QPSK-26915-25RB#0-PASS



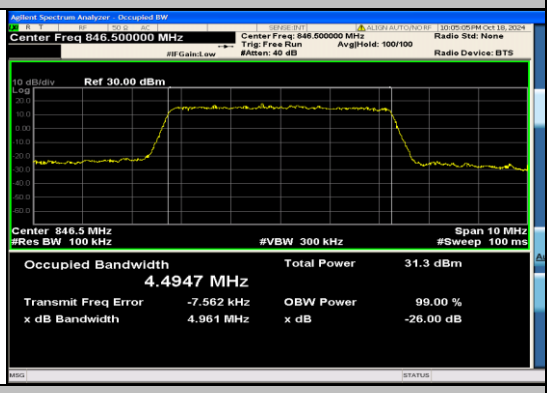
Band26(824-849)-5MHz-QPSK-27015-25RB#0-PASS



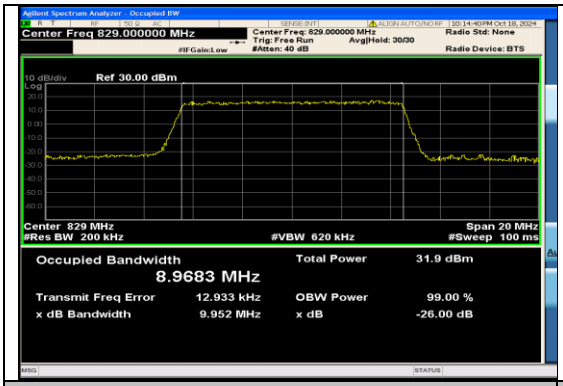
Band26(824-849)-5MHz-16QAM-26815-25RB#0-PASS



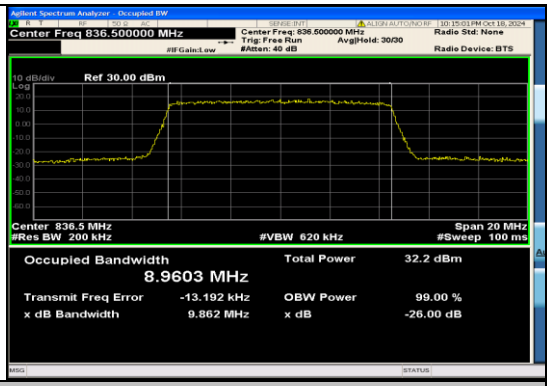
Band26(824-849)-5MHz-16QAM-26915-25RB#0-PASS



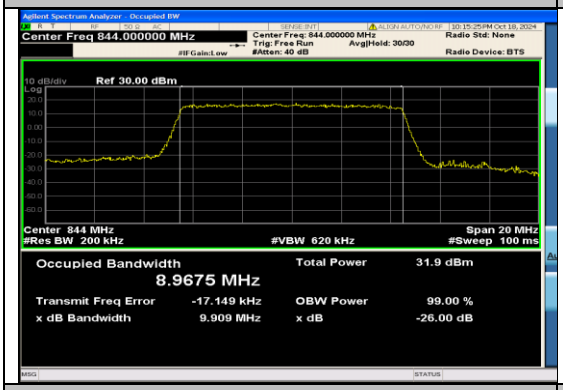
Band26(824-849)-5MHz-16QAM-27015-25RB#0-PASS



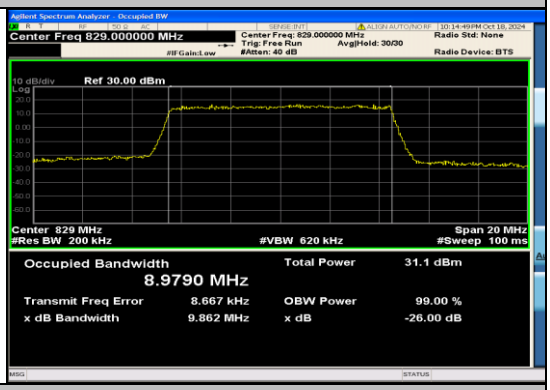
Band26(824-849)-10MHz-QPSK-26840-50RB#0-PASS



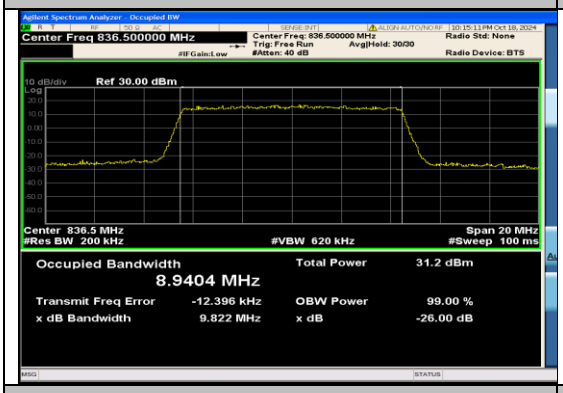
Band26(824-849)-10MHz-QPSK-26915-50RB#0-PASS



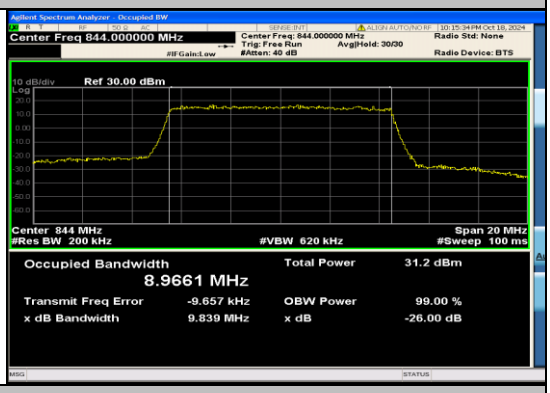
Band26(824-849)-10MHz-QPSK-26990-50RB#0-PASS



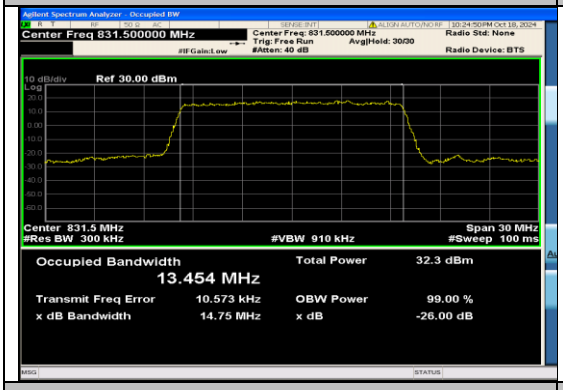
Band26(824-849)-10MHz-16QAM-26840-50RB#0-PASS



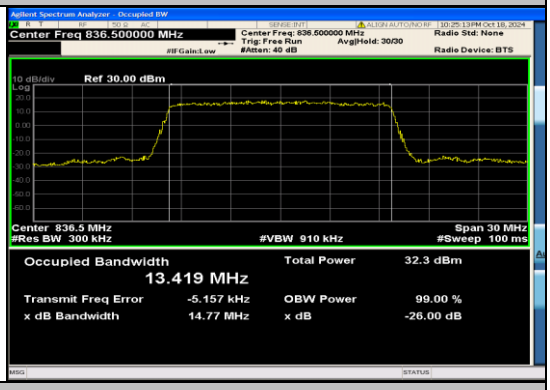
Band26(824-849)-10MHz-16QAM-26915-50RB#0-PASS



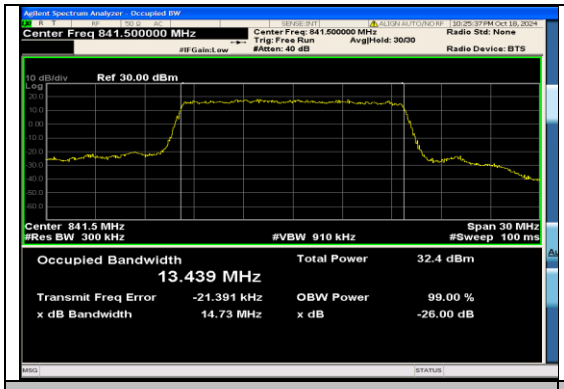
Band26(824-849)-10MHz-16QAM-26990-50RB#0-PASS



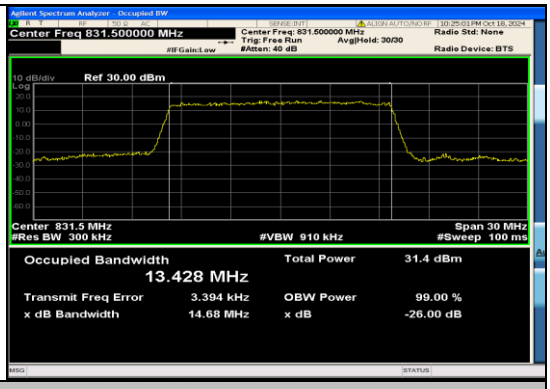
Band26(824-849)-15MHz-QPSK-26865-75RB#0-PASS



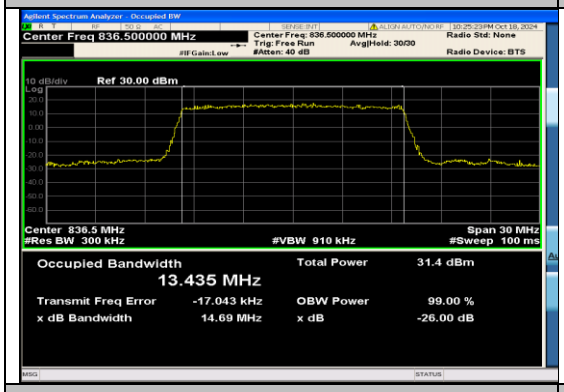
Band26(824-849)-15MHz-QPSK-26915-75RB#0-PASS



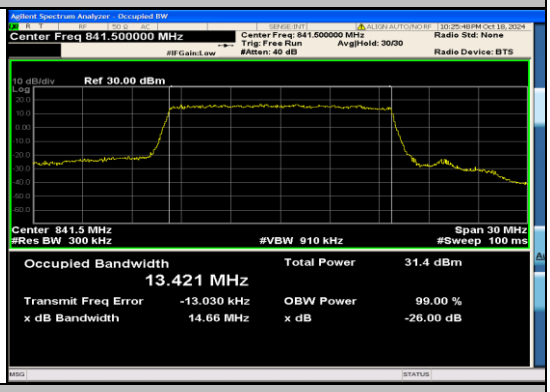
Band26(824-849)-15MHz-QPSK-26965-75RB#0-PASS



Band26(824-849)-15MHz-16QAM-26865-75RB#0-PASS



Band26(824-849)-15MHz-16QAM-26915-75RB#0-PASS



Band26(824-849)-15MHz-16QAM-26965-75RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-32.08	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-33.12	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-35.68	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-25.94	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-34.99	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-34.40	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-30.61	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-34.69	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-36.06	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-38.41	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-32.75	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-30.81	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-34.71	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-35.51	PASS
Band26(824-849)	1.4MHz	QPSK	26797	6RB#0	-26.31	PASS
Band26(824-849)	1.4MHz	QPSK	27033	6RB#0	-20.50	PASS
Band26(824-849)	1.4MHz	16QAM	26797	6RB#0	-27.93	PASS
Band26(824-849)	1.4MHz	16QAM	27033	6RB#0	-29.33	PASS
Band26(824-	3MHz	QPSK	26805	15RB#0	-29.62	PASS