FCC Appendix RF Test Data for LTE Band 2

FCC ID	**:**	**2BVG4MP02**
Company	**:**	**BEIJING MERA TECHNOLOGY Co., Ltd**
EUT	**:**	**OxiLeash Pet GPS Tracker**
Model Number	**:**	**MP02**
Report No.	**:**	**CTA26062500301**
Reviewed By	**:**	**Eric Wang**

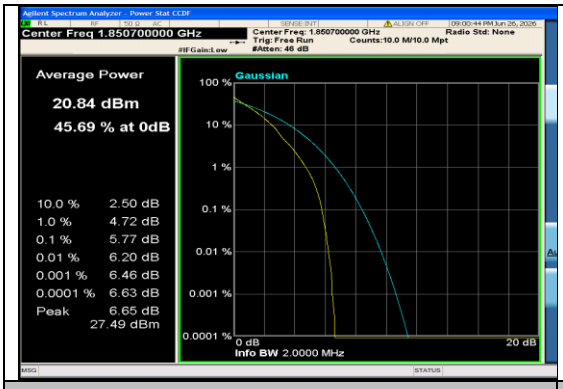
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

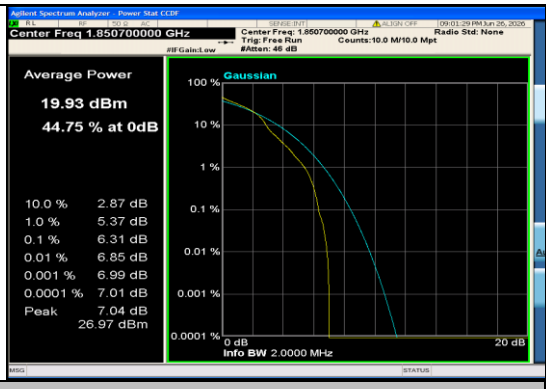
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	5.77	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	6.31	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.96	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	6.64	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	5.40	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	6.35	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.77	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.48	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.98	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.67	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.47	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	6.12	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	5.20	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.93	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.80	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.56	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.70	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.59	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.56	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.23	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.14	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.02	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.30	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.03	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	3.68	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	4.57	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.43	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.17	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.39	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.42	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.63	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.32	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.31	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.27	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	5.54	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.31	13	PASS

Band2	10MHz	QPSK	18650	1RB#0	4.41	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.38	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.63	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.72	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.78	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.83	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.68	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.96	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	6.86	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	5.06	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	6.00	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	5.34	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	6.32	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	5.41	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	6.30	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	6.17	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	7.85	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	7.70	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	5.10	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	9.62	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	5.40	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.84	13	PASS
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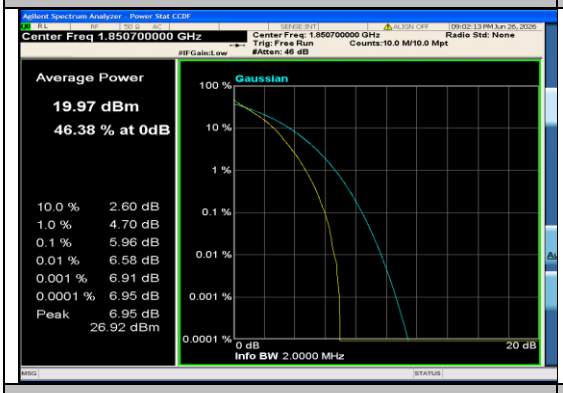
Test Graphs



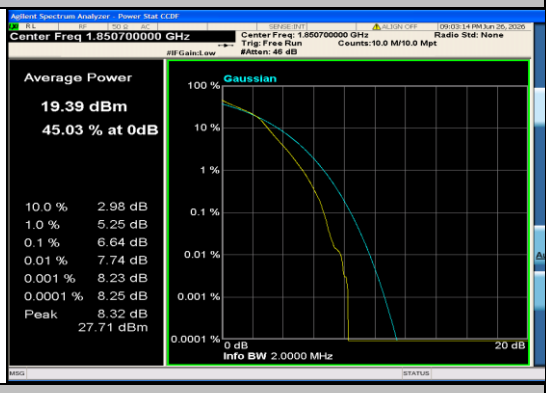
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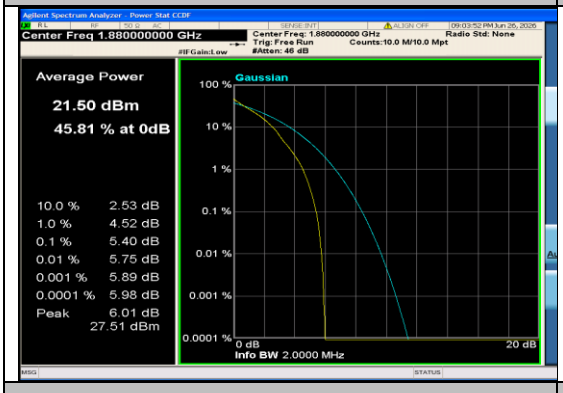
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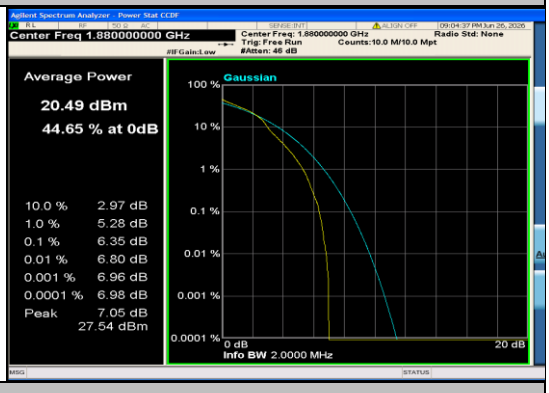
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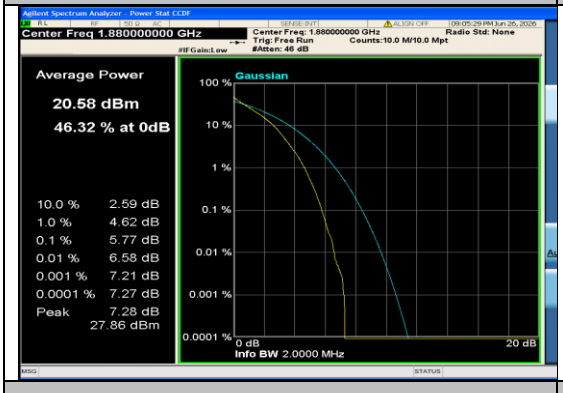
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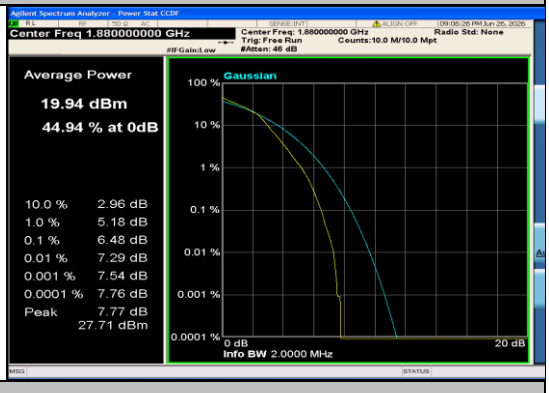
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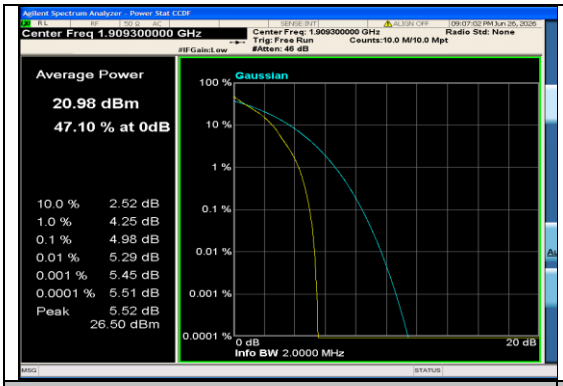
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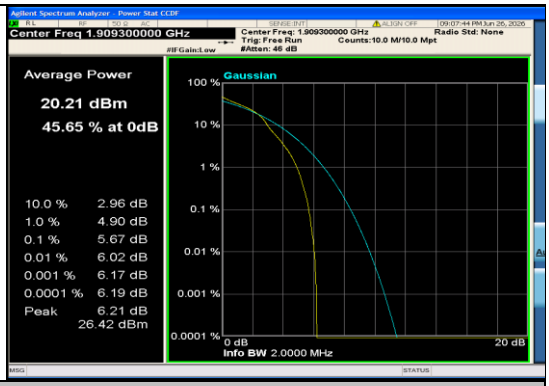
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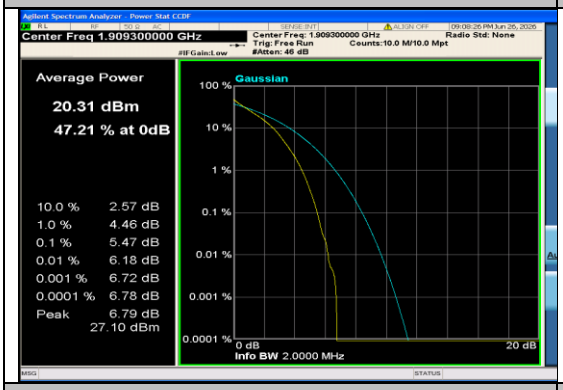
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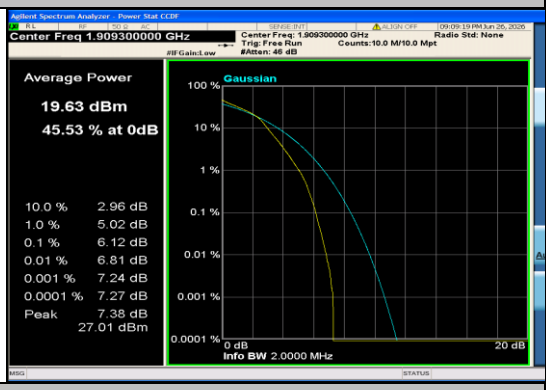
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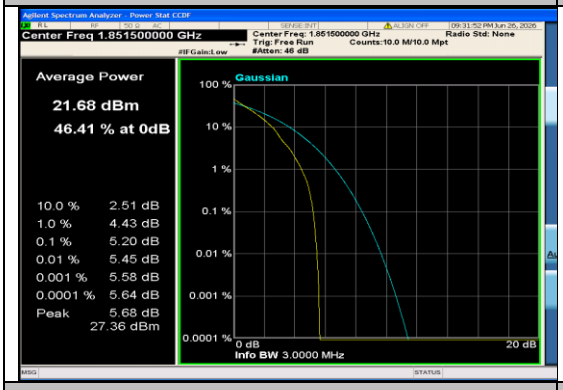
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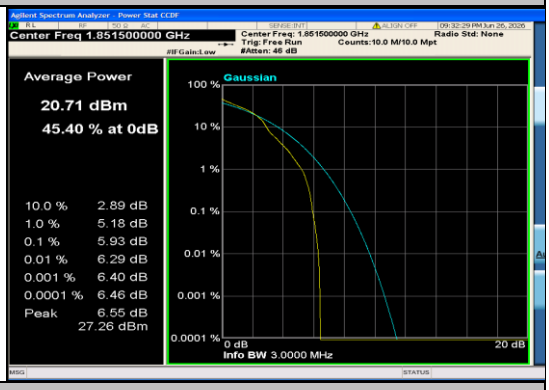
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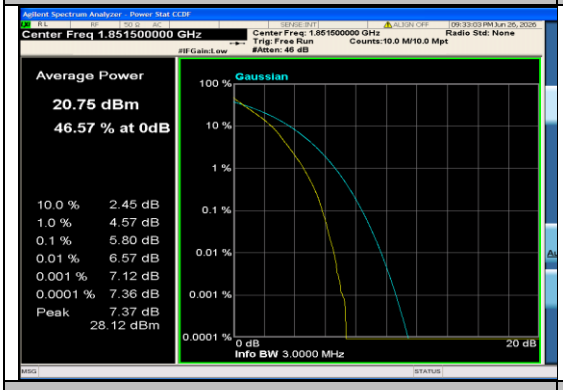
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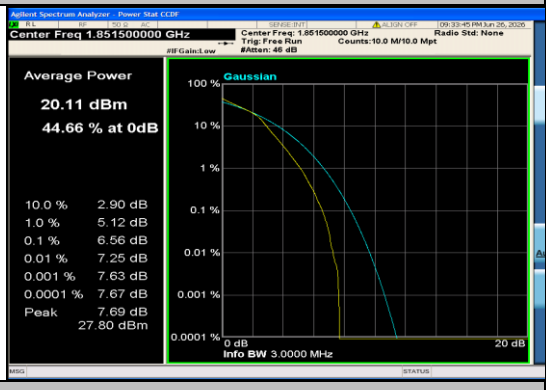
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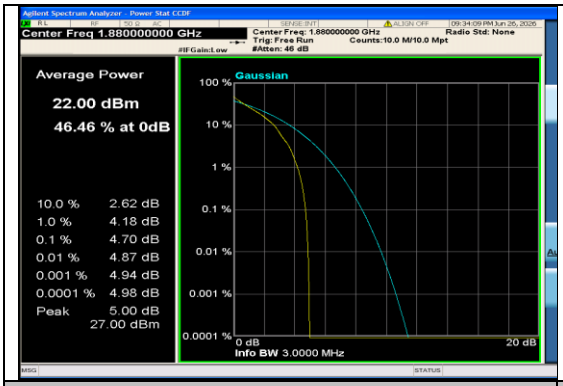
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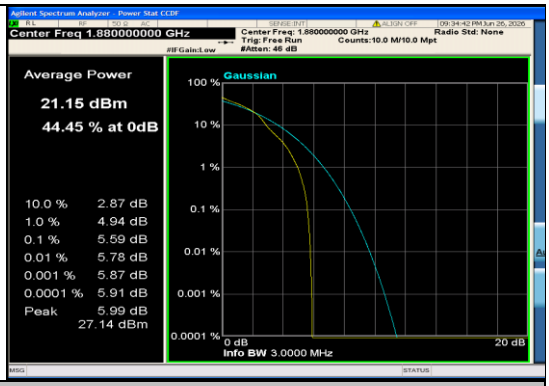
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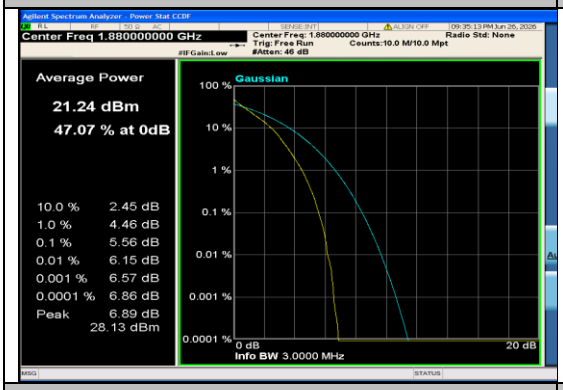
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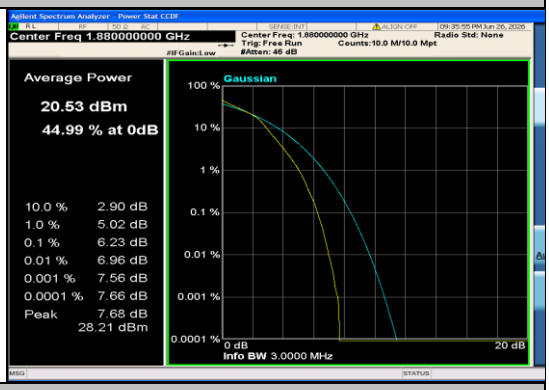
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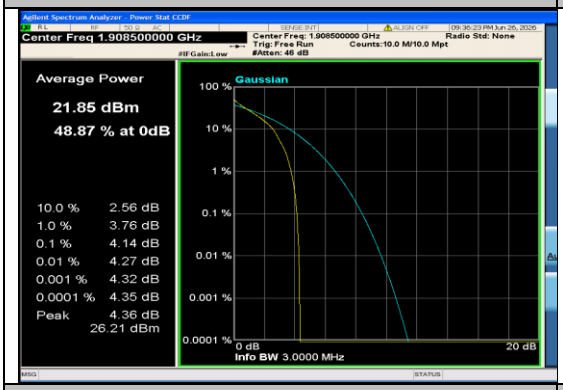
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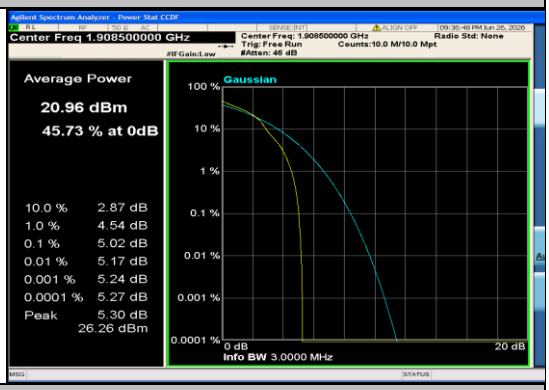
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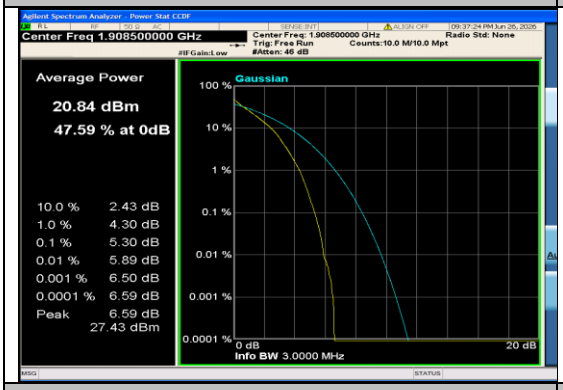
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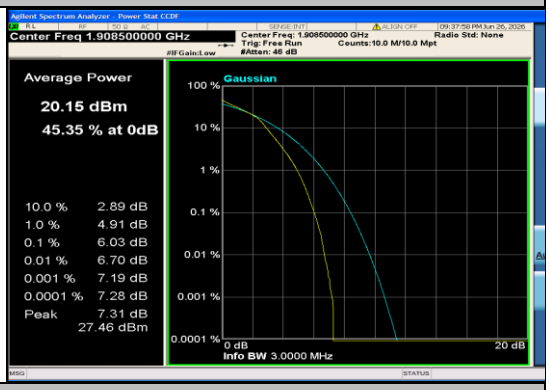
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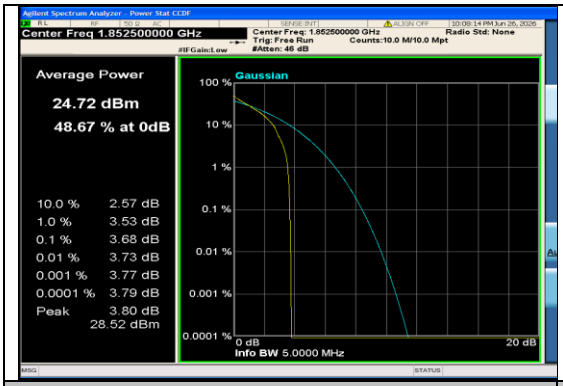
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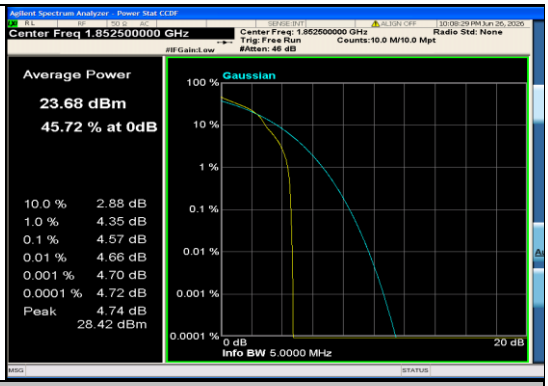
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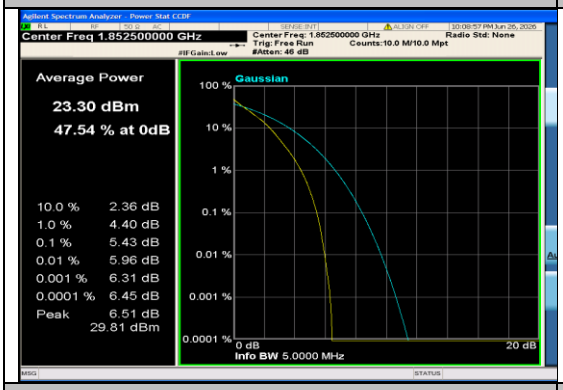
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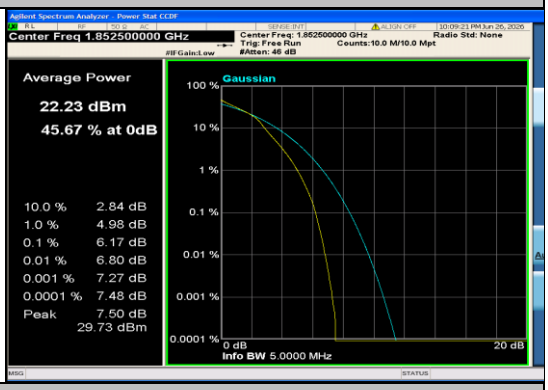
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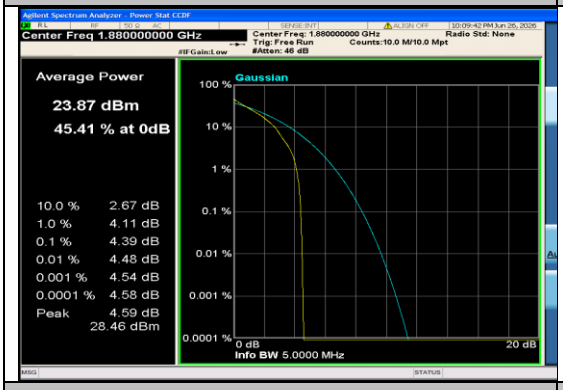
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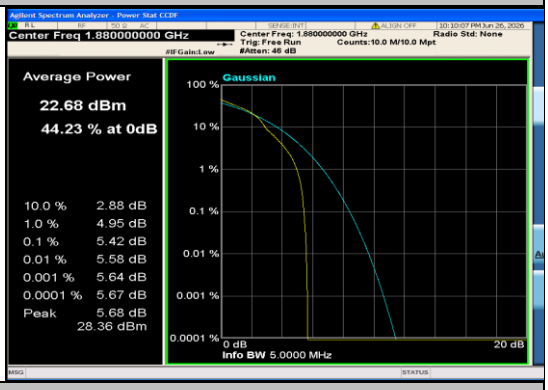
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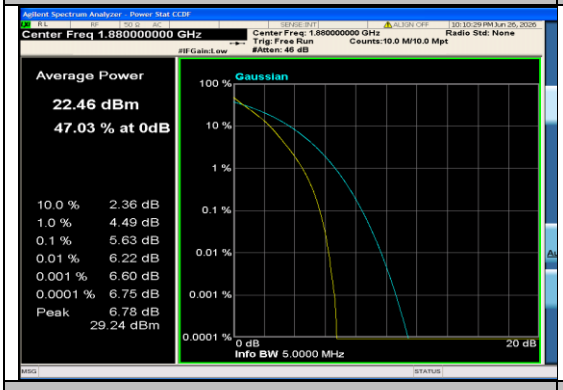
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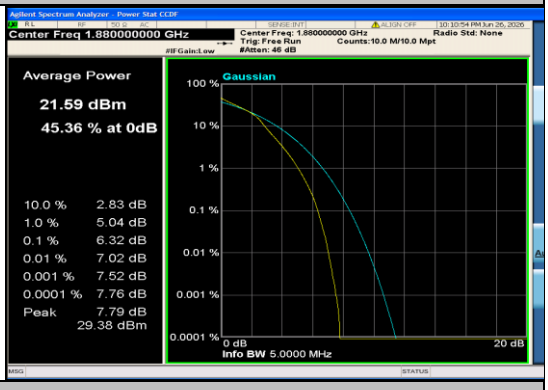
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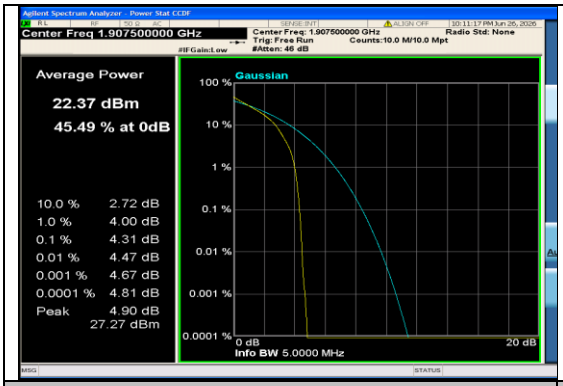
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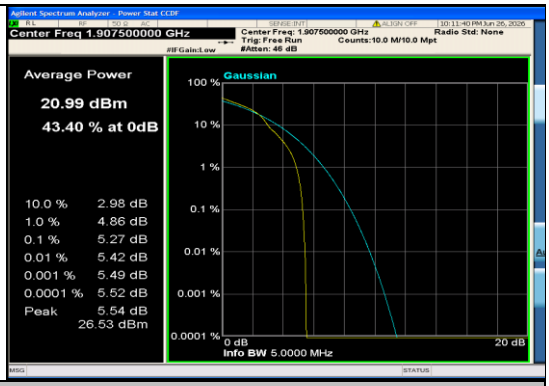
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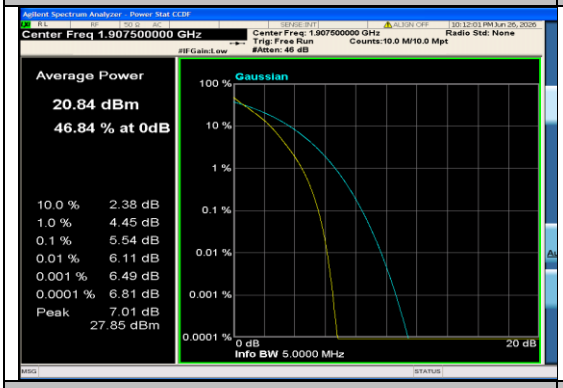
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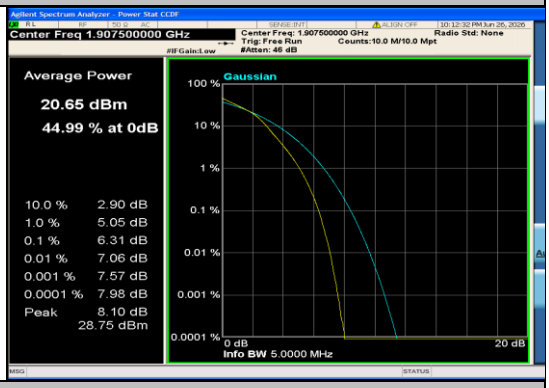
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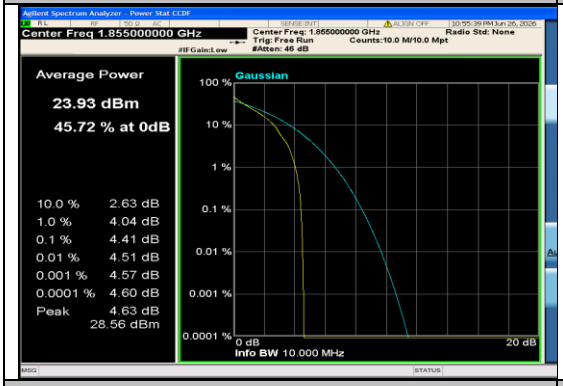
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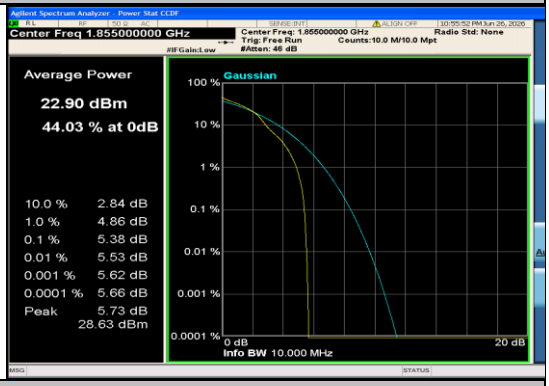
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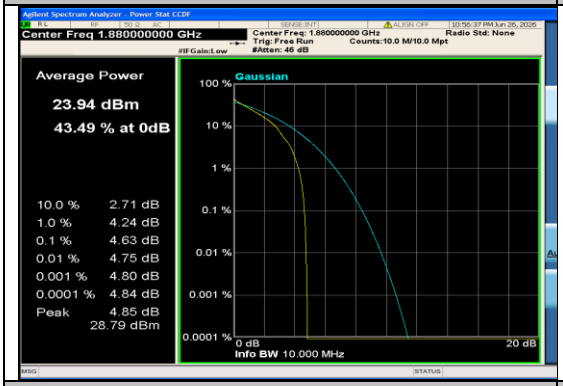
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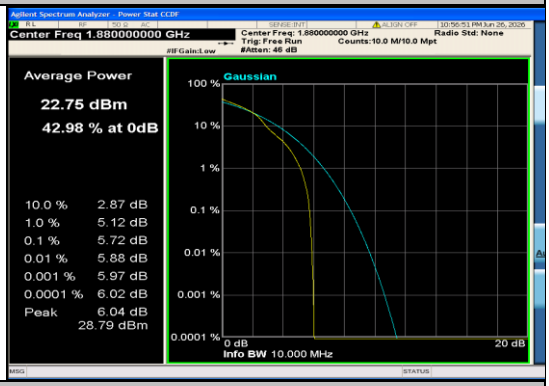
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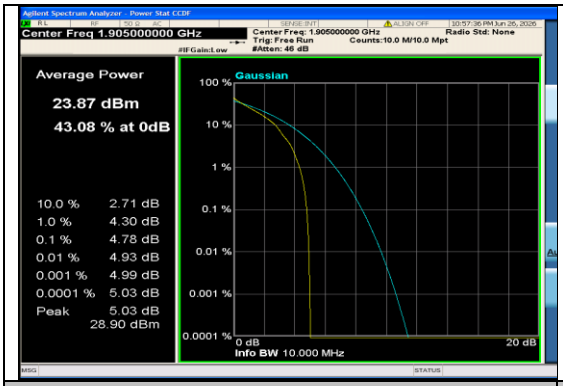
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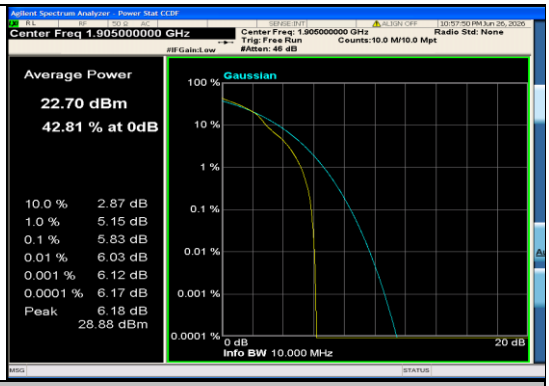
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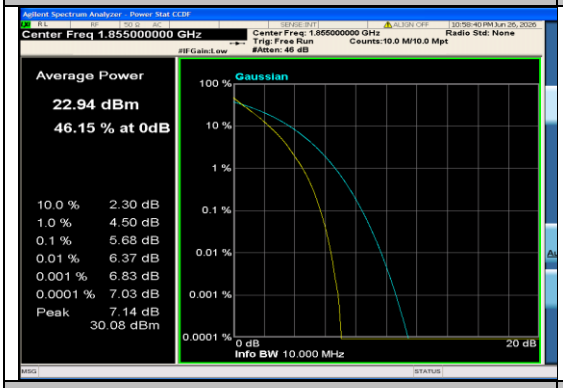
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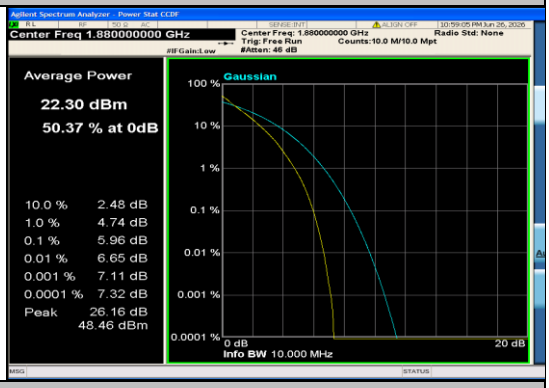
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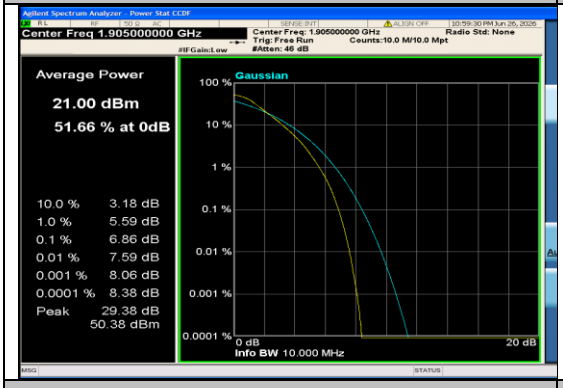
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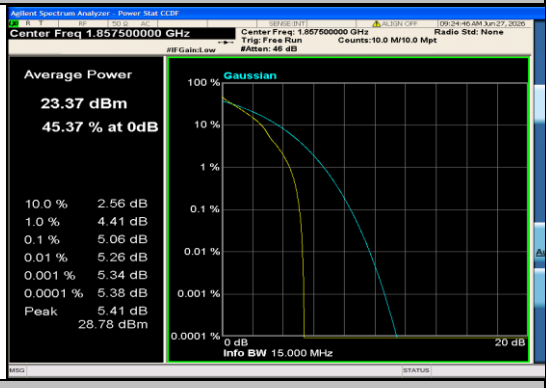
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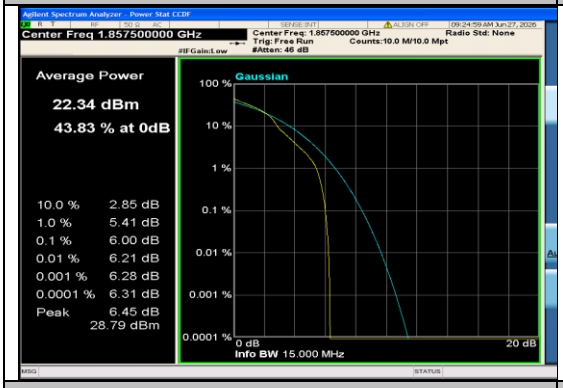
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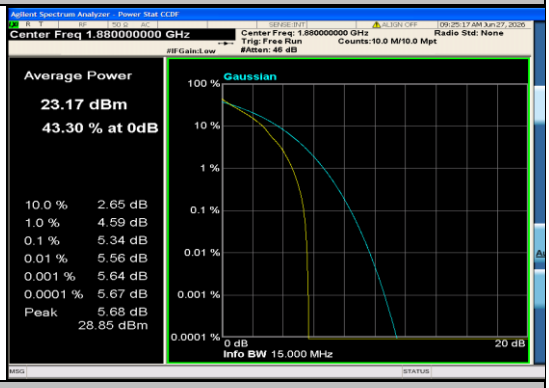
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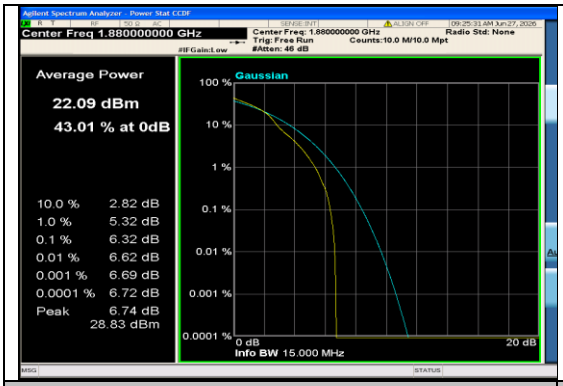
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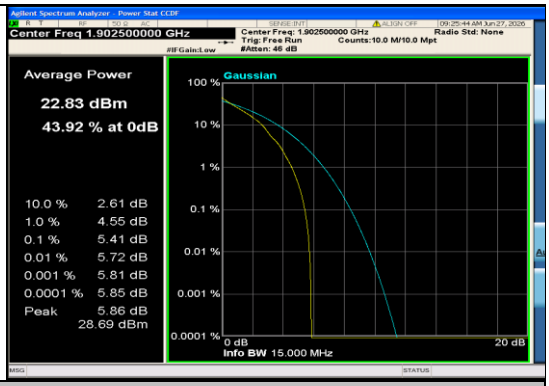
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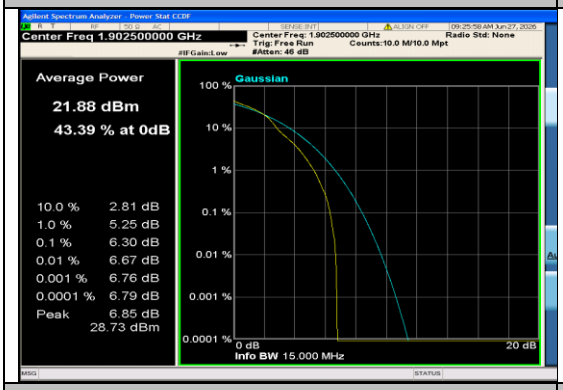
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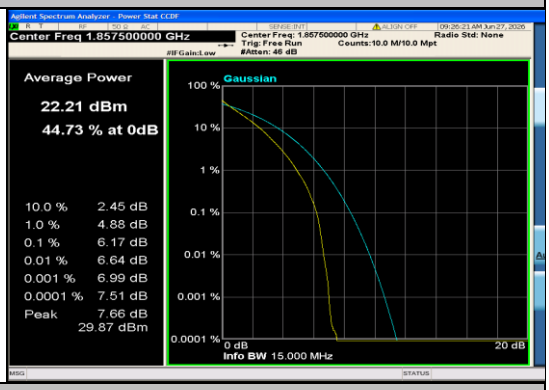
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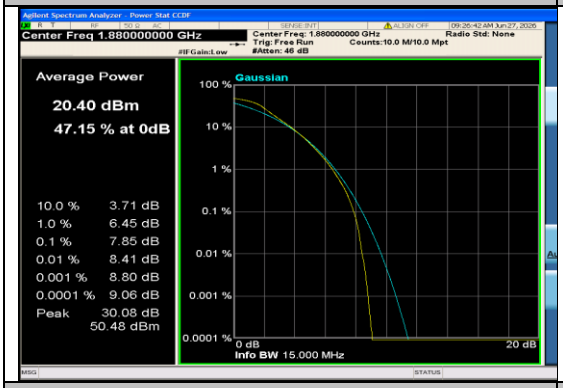
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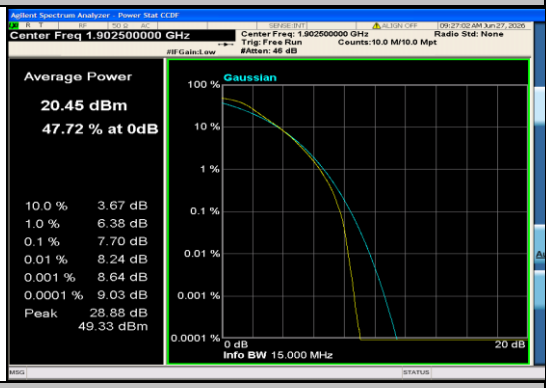
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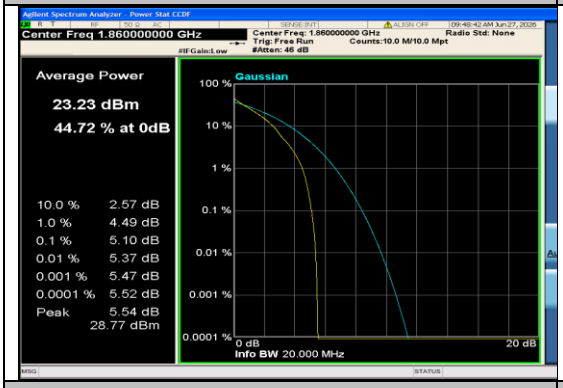
Band2-15MHz-QPSK-18675-75RB#0-PASS



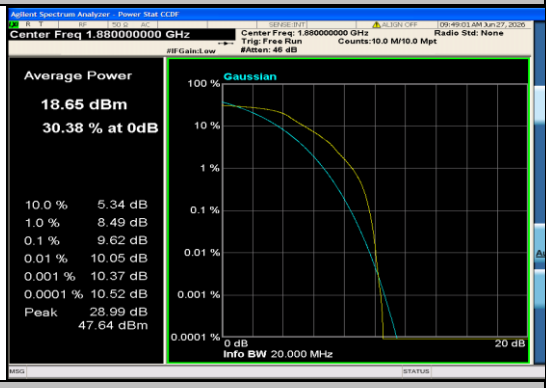
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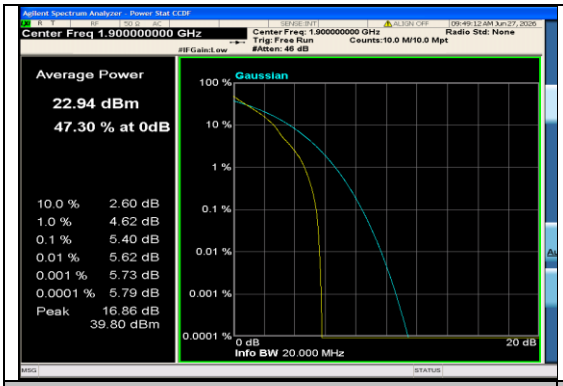
Band2-15MHz-QPSK-19125-75RB#0-PASS



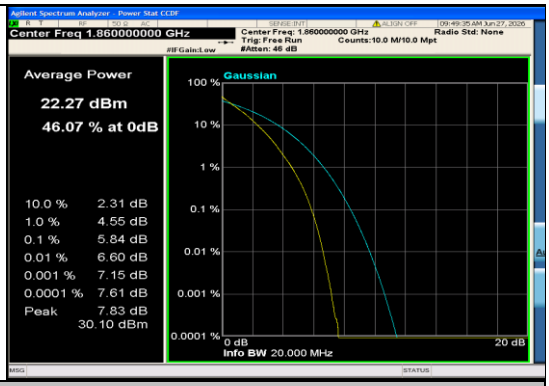
Band2-20MHz-QPSK-18700-1RB#0-PASS



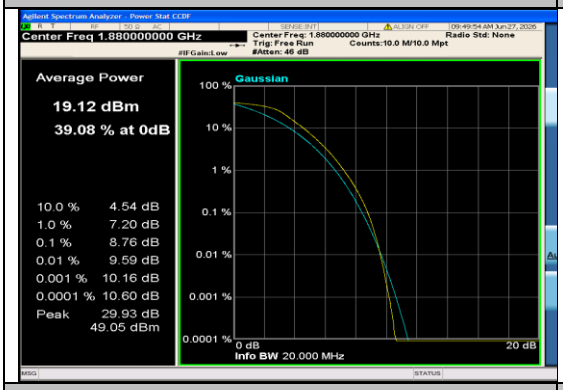
Band2-20MHz-QPSK-18900-1RB#0-PASS



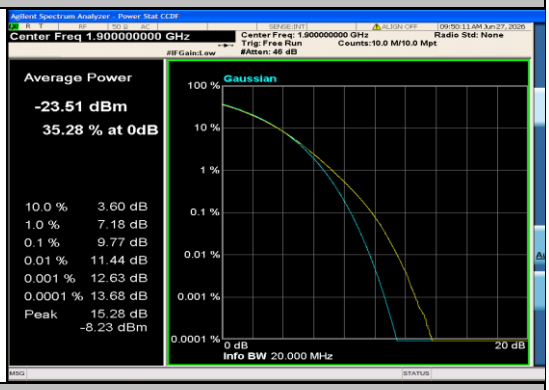
Band2-20MHz-QPSK-19100-1RB#0-PASS



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



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



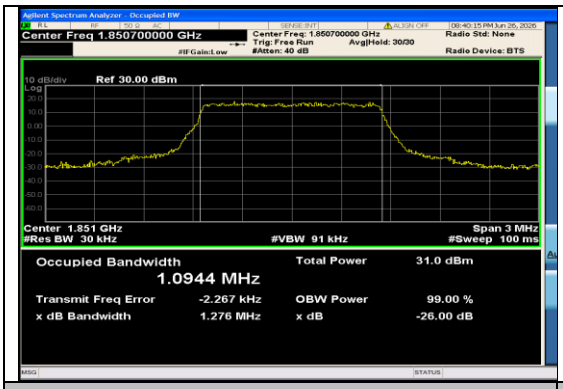
Band2-20MHz-QPSK-19100-100RB#0-PASS

Appendix C: 26dB Bandwidth and Occupied Bandwidth

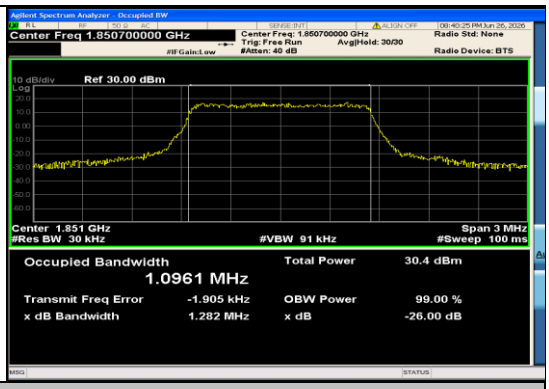
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0944	1.276	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0961	1.282	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0905	1.283	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0923	1.284	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0915	1.290	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0975	1.294	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6919	2.936	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6903	2.931	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6995	2.924	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6889	2.923	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6999	2.941	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6858	2.915	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5016	4.986	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4976	4.954	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5033	4.984	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4987	4.946	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5031	4.989	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4953	4.964	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9616	9.741	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9667	9.802	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9739	9.817	PASS
Band2	10MHz	16QAM	18650	27RB#0	4.9848	5.861	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.928	19.20	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.936	19.12	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.944	19.19	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.446	14.57	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.473	14.54	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.500	14.57	PASS
Band2	15MHz	16QAM	18675	27RB#0	5.0890	5.975	PASS
Band2	15MHz	16QAM	18900	27RB#0	5.0749	5.944	PASS
Band2	15MHz	16QAM	19125	27RB#0	5.0483	5.936	PASS
Band2	10MHz	16QAM	18900	27RB#0	4.9875	5.757	PASS
Band2	10MHz	16QAM	19150	27RB#0	4.9910	5.881	PASS
Band2	20MHz	16QAM	18700	27RB#0	5.1724	6.129	PASS
Band2	20MHz	16QAM	18900	27RB#0	5.1580	6.132	PASS
Band2	20MHz	16QAM	19100	27RB#0	5.1647	6.052	PASS

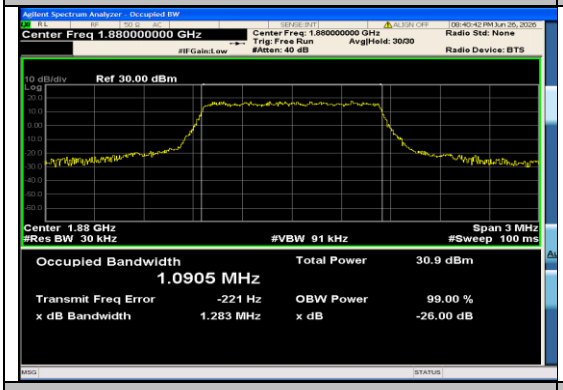
Test Graphs



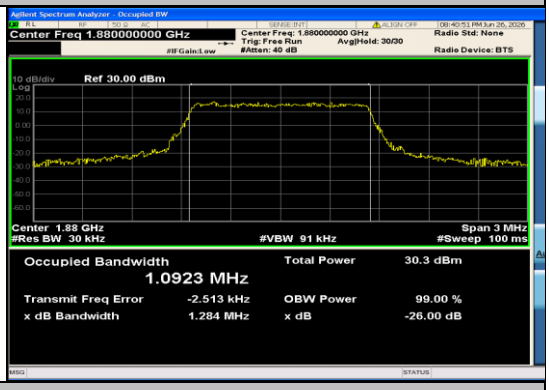
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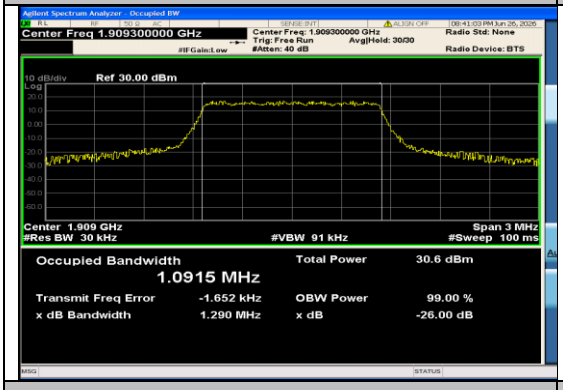
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



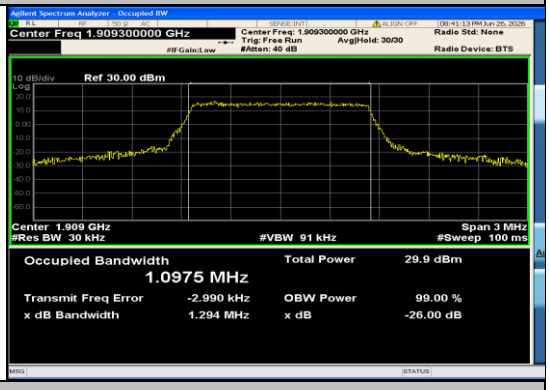
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



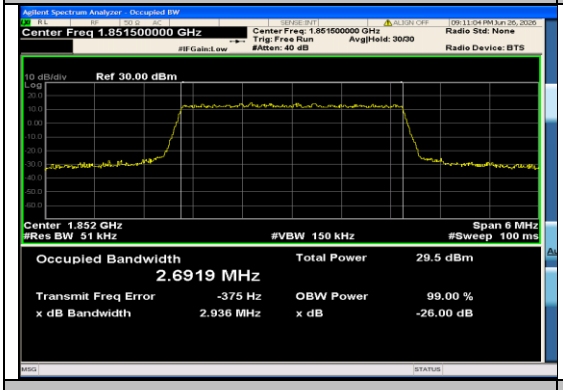
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



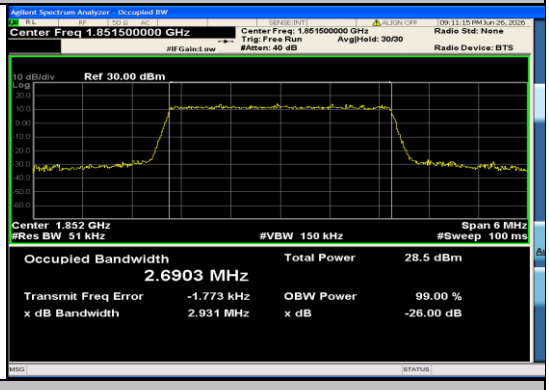
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



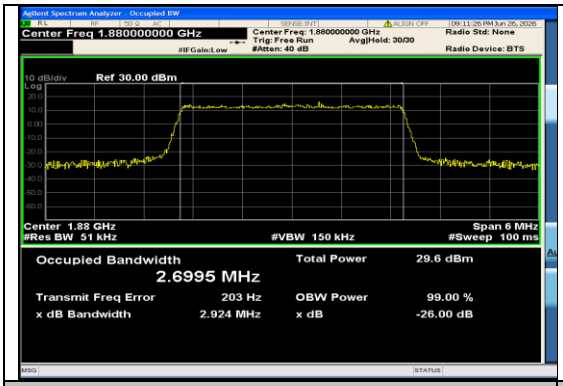
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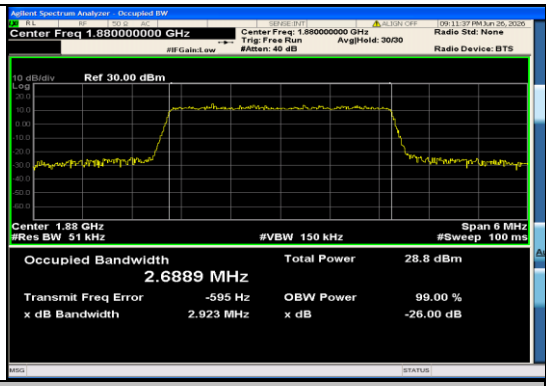
Band2-3MHz-QPSK-18615-15RB#0-PASS



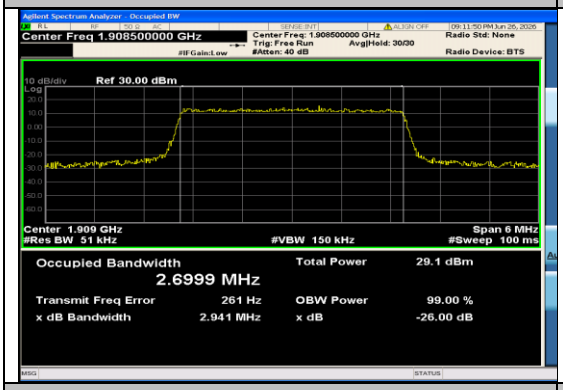
Band2-3MHz-16QAM-18615-15RB#0-PASS



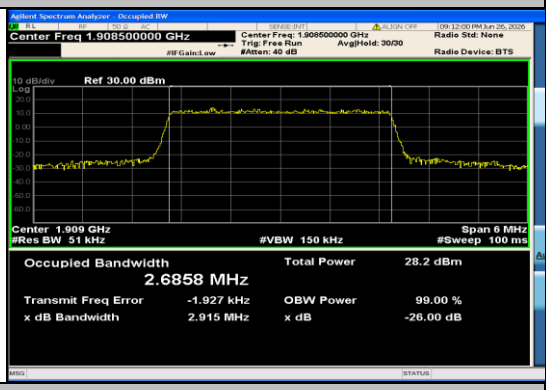
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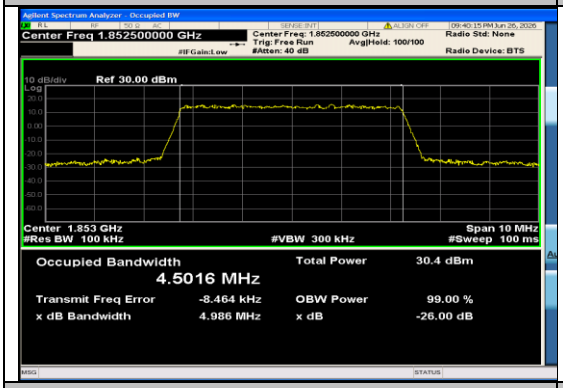
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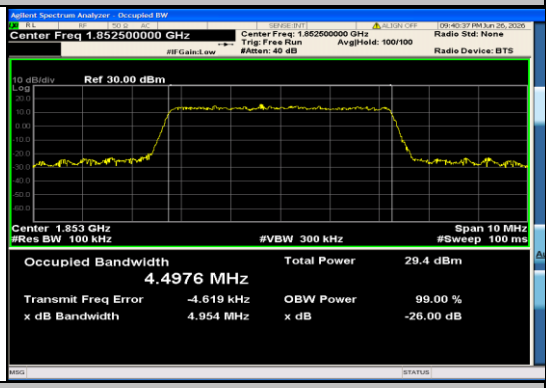
Band2-3MHz-QPSK-19185-15RB#0-PASS



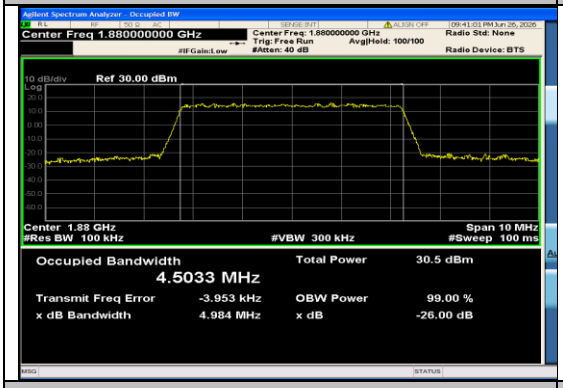
Band2-3MHz-16QAM-19185-15RB#0-PASS



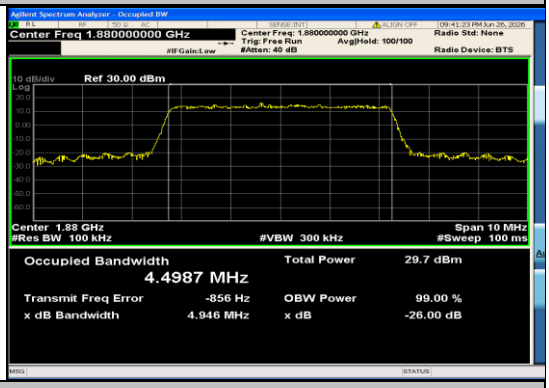
Band2-5MHz-QPSK-18625-25RB#0-PASS



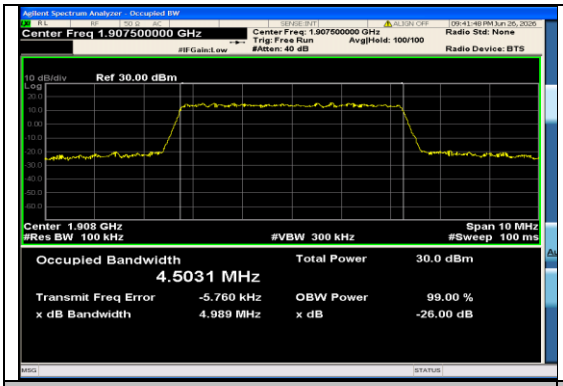
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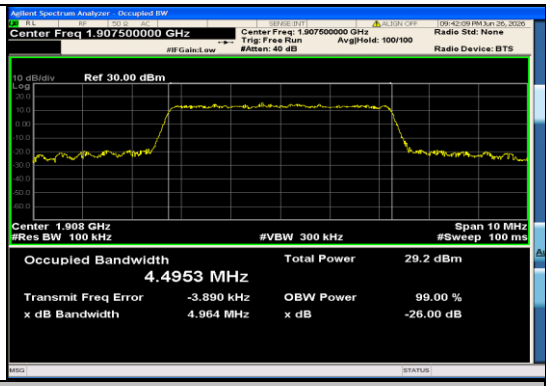
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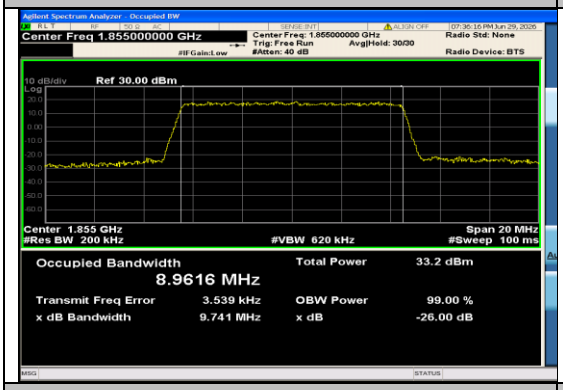
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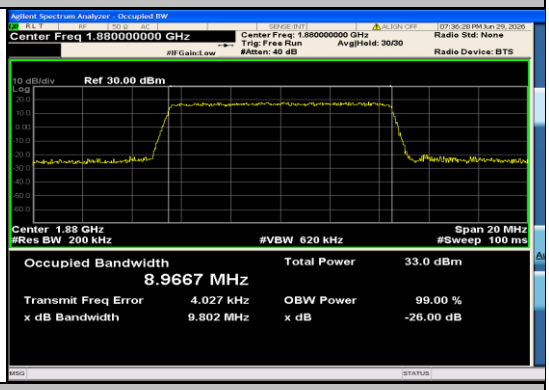
Band2-5MHz-QPSK-19175-25RB#0-PASS



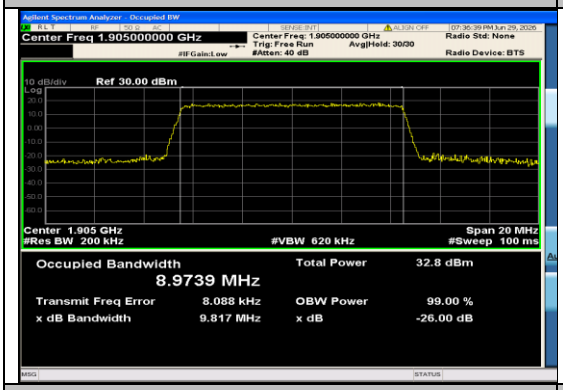
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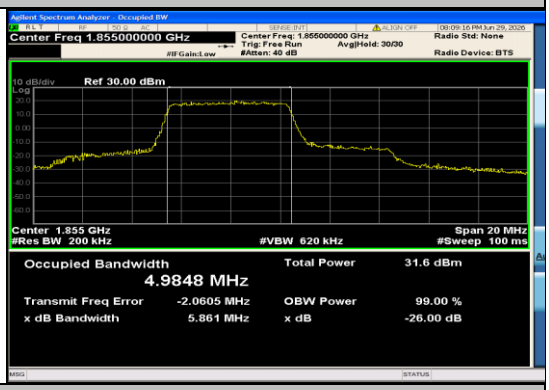
Band2-10MHz-QPSK-18650-50RB#0-PASS



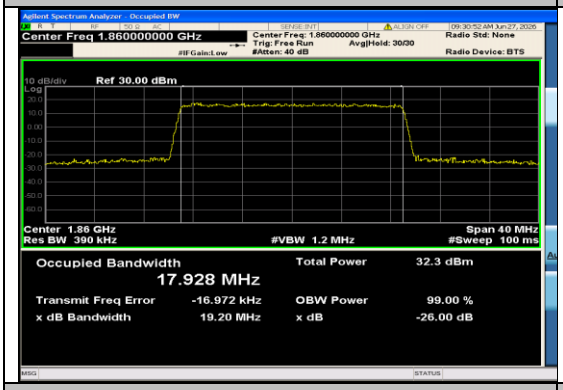
Band2-10MHz-QPSK-18900-50RB#0-PASS



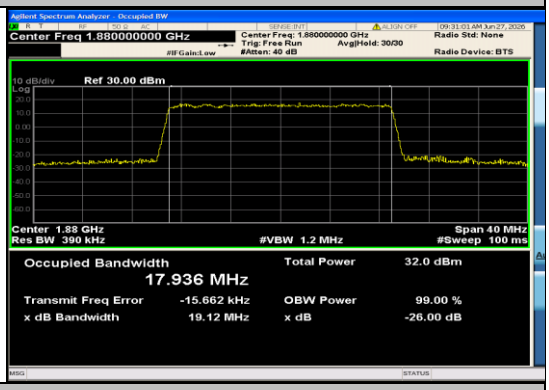
Band2-10MHz-QPSK-19150-50RB#0-PASS



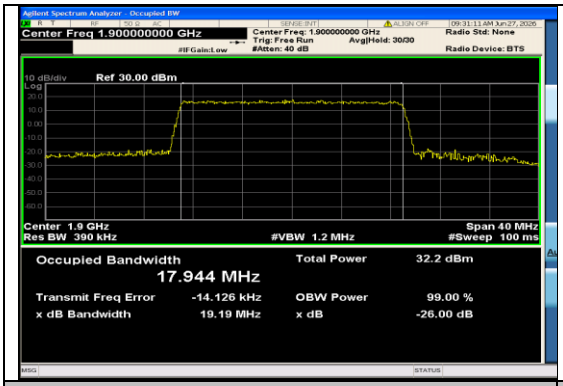
Band2-10MHz-16QAM-18650-27RB#0-PASS



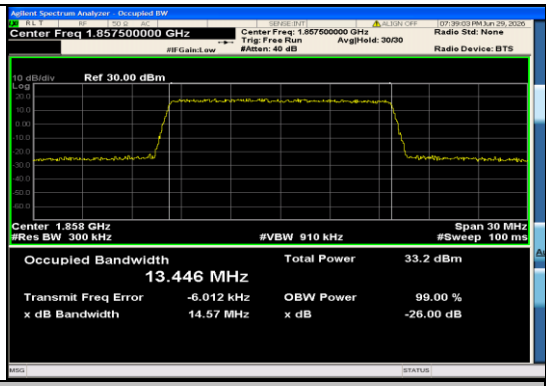
Band2-20MHz-QPSK-18700-100RB#0-PASS



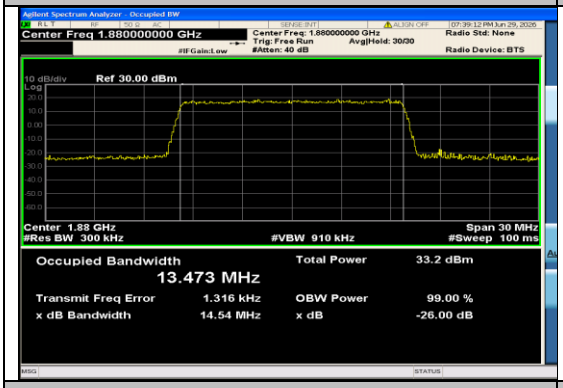
Band2-20MHz-QPSK-18900-100RB#0-PASS



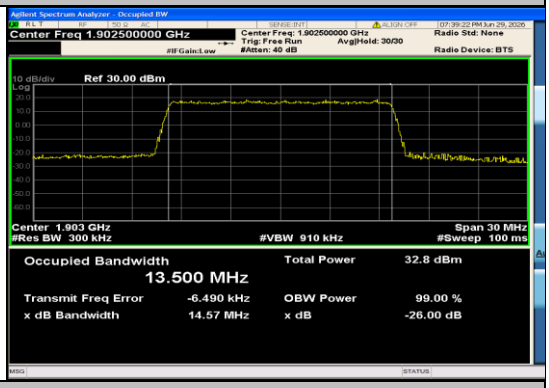
Band2-20MHz-QPSK-19100-100RB#0-PASS



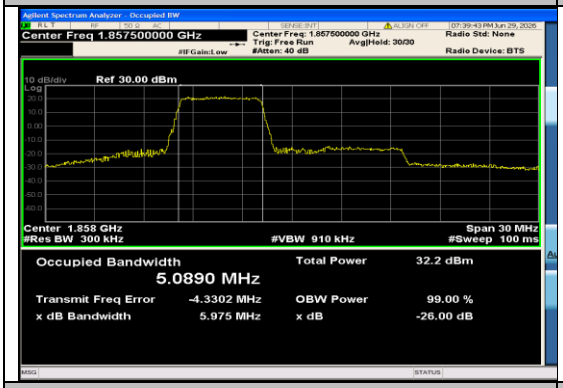
Band2-15MHz-QPSK-18675-75RB#0-PASS



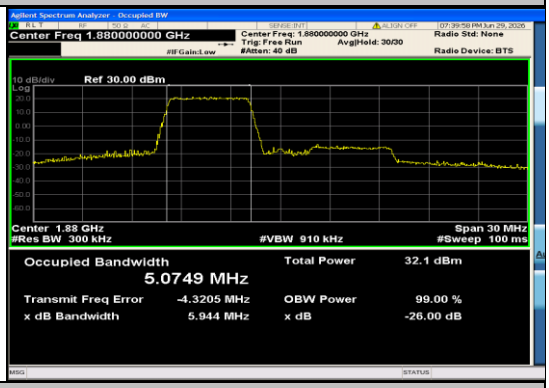
Band2-15MHz-QPSK-18900-75RB#0-PASS



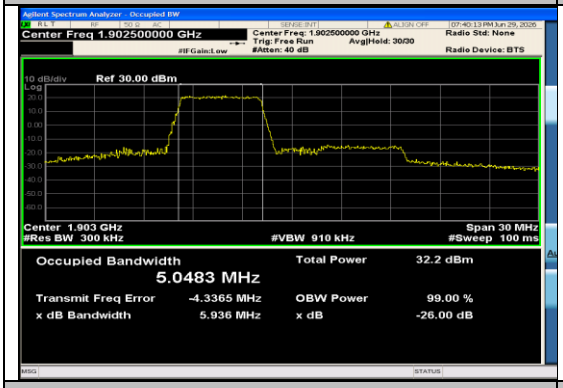
Band2-15MHz-QPSK-19125-75RB#0-PASS



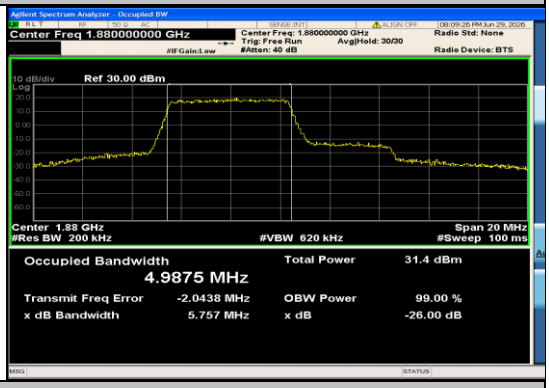
Band2-15MHz-16QAM-18675-27RB#0-PASS



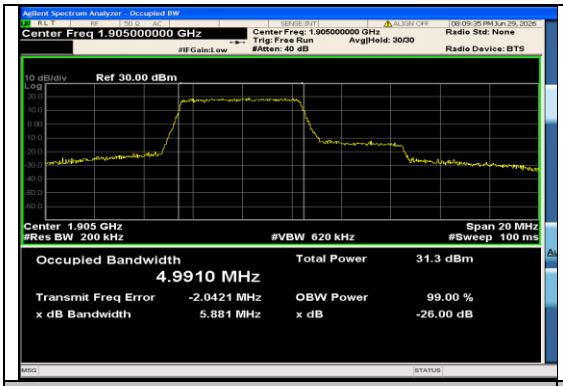
Band2-15MHz-16QAM-18900-27RB#0-PASS



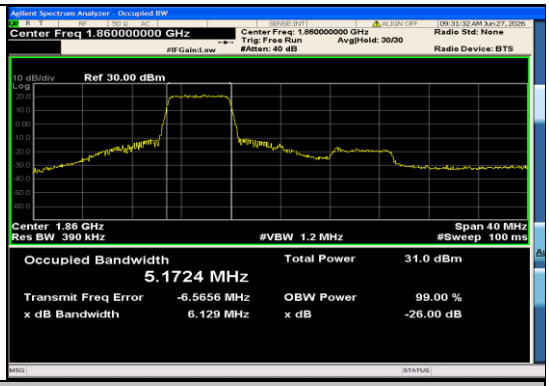
Band2-15MHz-16QAM-19125-27RB#0-PASS



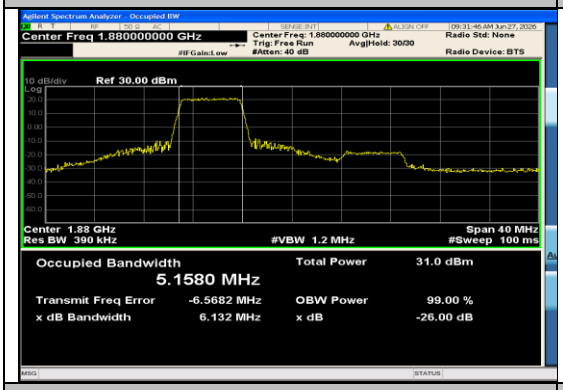
Band2-10MHz-16QAM-18900-27RB#0-PASS



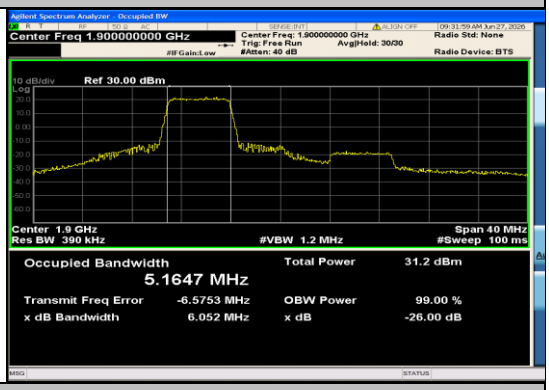
Band2-10MHz-16QAM-19150-27RB#0-PASS



Band2-20MHz-16QAM-18700-27RB#0-PASS



Band2-20MHz-16QAM-18900-27RB#0-PASS



Band2-20MHz-16QAM-19100-27RB#0-PASS

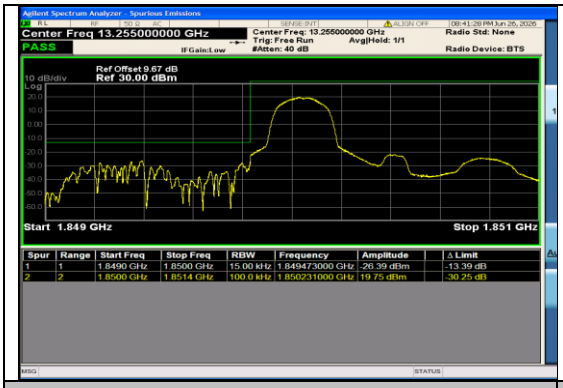
Appendix D: Band Edge

Test Result

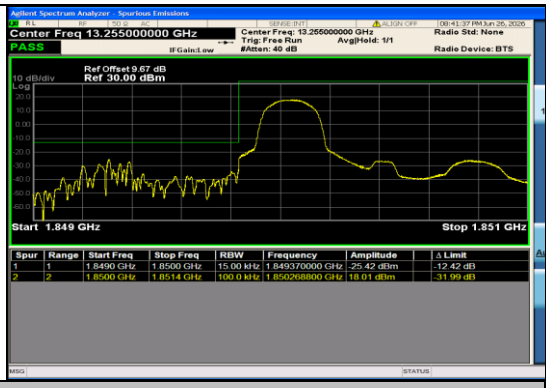
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-26.39	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-25.42	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-36.99	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-35.58	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-30.14	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-30.65	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-36.80	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-37.81	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-24.40	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-28.54	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-26.20	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-25.78	PASS
Band2	3MHz	QPSK	18615	1RB#0	-25.12	PASS
Band2	3MHz	16QAM	18615	1RB#0	-28.35	PASS
Band2	3MHz	QPSK	18615	1RB#14	-45.50	PASS
Band2	3MHz	16QAM	18615	1RB#14	-46.35	PASS
Band2	3MHz	QPSK	18615	15RB#0	-35.90	PASS
Band2	3MHz	16QAM	18615	15RB#0	-36.18	PASS
Band2	3MHz	QPSK	19185	1RB#0	-47.50	PASS
Band2	3MHz	16QAM	19185	1RB#0	-47.53	PASS
Band2	3MHz	QPSK	19185	1RB#14	-27.59	PASS
Band2	3MHz	16QAM	19185	1RB#14	-28.09	PASS
Band2	3MHz	QPSK	19185	15RB#0	-35.82	PASS
Band2	3MHz	16QAM	19185	15RB#0	-36.21	PASS
Band2	5MHz	QPSK	18625	1RB#0	-26.56	PASS
Band2	5MHz	16QAM	18625	1RB#0	-28.03	PASS
Band2	5MHz	QPSK	18625	1RB#24	-50.48	PASS
Band2	5MHz	16QAM	18625	1RB#24	-50.97	PASS
Band2	5MHz	QPSK	18625	25RB#0	-36.47	PASS
Band2	5MHz	16QAM	18625	25RB#0	-38.57	PASS
Band2	5MHz	QPSK	19175	1RB#0	-50.09	PASS
Band2	5MHz	16QAM	19175	1RB#0	-50.90	PASS
Band2	5MHz	QPSK	19175	1RB#24	-27.42	PASS
Band2	5MHz	16QAM	19175	1RB#24	-28.43	PASS
Band2	5MHz	QPSK	19175	25RB#0	-34.96	PASS
Band2	5MHz	16QAM	19175	25RB#0	-36.13	PASS
Band2	10MHz	QPSK	18650	1RB#0	-34.95	PASS

Band2	10MHz	16QAM	18650	1RB#0	-34.87	PASS
Band2	10MHz	QPSK	18650	1RB#49	-45.64	PASS
Band2	10MHz	16QAM	18650	1RB#49	-46.04	PASS
Band2	10MHz	QPSK	19150	1RB#0	-47.32	PASS
Band2	10MHz	16QAM	19150	1RB#0	-47.09	PASS
Band2	10MHz	QPSK	19150	1RB#49	-36.26	PASS
Band2	10MHz	16QAM	19150	1RB#49	-37.64	PASS
Band2	10MHz	QPSK	18650	50RB#0	-41.04	PASS
Band2	10MHz	QPSK	19150	50RB#0	-40.45	PASS
Band2	15MHz	QPSK	18675	1RB#0	-38.52	PASS
Band2	15MHz	16QAM	18675	1RB#0	-40.29	PASS
Band2	15MHz	QPSK	18675	1RB#74	-48.38	PASS
Band2	15MHz	16QAM	18675	1RB#74	-49.38	PASS
Band2	15MHz	QPSK	19125	1RB#0	-49.77	PASS
Band2	15MHz	16QAM	19125	1RB#0	-50.36	PASS
Band2	15MHz	QPSK	19125	1RB#74	-39.96	PASS
Band2	15MHz	16QAM	19125	1RB#74	-40.71	PASS
Band2	15MHz	QPSK	18675	75RB#0	-41.18	PASS
Band2	15MHz	QPSK	19125	75RB#0	-40.21	PASS
Band2	20MHz	QPSK	18700	1RB#0	-41.74	PASS
Band2	20MHz	16QAM	18700	1RB#0	-42.95	PASS
Band2	20MHz	QPSK	18700	1RB#99	-42.61	PASS
Band2	20MHz	16QAM	18700	1RB#99	-43.22	PASS
Band2	20MHz	QPSK	19100	1RB#0	-44.64	PASS
Band2	20MHz	16QAM	19100	1RB#0	-44.53	PASS
Band2	20MHz	QPSK	19100	1RB#99	-41.99	PASS
Band2	20MHz	16QAM	19100	1RB#99	-43.12	PASS
Band2	20MHz	QPSK	18700	100RB#0	-41.35	PASS
Band2	20MHz	QPSK	19100	100RB#0	-39.68	PASS

Test Graphs



Band2-1.4MHz-QPSK-18607-1RB#0-PASS



Band2-1.4MHz-16QAM-18607-1RB#0-PASS