



CTC Laboratories, Inc.

Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

Tel: +86-755- 27521059 Fax: +86-755- 27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

Appendix for LTE Band 2

Applicant: UCLOUDLINK (SINGAPORE) PTE.LTD

Address: 80 ROBINSON ROAD #02-00 SINGAPORE

Product Name: Smart Travel Adapter

Model: GLMX23A04

FCC ID: 2BB6E-GLMX23A04

TABLE OF CONTENTS

1 Summary of Test Results Data and Graph..... 3

1.1. Appendix A: Conducted Power Output Data3

1.2. Appendix B: Peak-to-Average Ratio(CCDF)10

1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth36

1.4. Appendix D: Band Edge50

1.5. Appendix E: Conducted Spurious Emission.....77

1.6. Appendix F: Frequency Stability142

1 Summary of Test Results Data and Graph

1.1. Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.80	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.24	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.71	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.21	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.75	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.18	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.74	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.81	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.80	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.79	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.77	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	23.77	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.66	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.95	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.60	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.52	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.51	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.53	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.52	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.47	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	23.71	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	23.67	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.67	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.75	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.67	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.66	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.74	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.55	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.77	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.58	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.75	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.62	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.76	PASS

Band2	1.4MHz	16QAM	19193	1RB#5	22.58	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.84	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.81	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.81	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.80	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.80	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	23.80	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.66	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.07	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.66	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.44	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.82	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.45	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.72	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.41	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.77	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.77	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.78	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.77	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.77	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.78	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.78	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.79	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.60	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.50	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.68	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.48	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.66	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.49	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.69	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.69	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.68	PASS
Band2	3MHz	16QAM	18900	8RB#4	22.69	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.69	PASS
Band2	3MHz	16QAM	18900	8RB#7	22.69	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.68	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.61	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.77	PASS

Band2	3MHz	16QAM	19185	1RB#0	22.49	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.78	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.54	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.77	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.62	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.79	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.70	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.73	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.73	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.73	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.73	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.74	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.93	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.78	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.10	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.81	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.10	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.88	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.10	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.65	PASS
Band2	5MHz	16QAM	18625	12RB#0	22.74	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.70	PASS
Band2	5MHz	16QAM	18625	12RB#6	22.72	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.76	PASS
Band2	5MHz	16QAM	18625	12RB#13	22.82	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.74	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.88	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.57	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.68	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.63	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.74	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.68	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.72	PASS
Band2	5MHz	QPSK	18900	12RB#0	22.65	PASS
Band2	5MHz	16QAM	18900	12RB#0	22.64	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.65	PASS
Band2	5MHz	16QAM	18900	12RB#6	22.64	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.62	PASS

Band2	5MHz	16QAM	18900	12RB#13	22.62	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.70	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.71	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.67	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.23	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.72	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.28	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.75	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.26	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.71	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.69	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.70	PASS
Band2	5MHz	16QAM	19175	12RB#6	22.69	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.71	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.73	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.60	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.70	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.68	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.74	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.68	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.71	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.66	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.82	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.76	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.66	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.71	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.73	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.64	PASS
Band2	10MHz	16QAM	18650	25RB#25	22.66	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.67	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.83	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.63	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.49	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.71	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.62	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.74	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.62	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.66	PASS

Band2	10MHz	16QAM	18900	25RB#0	22.60	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.68	PASS
Band2	10MHz	16QAM	18900	25RB#12	22.67	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.66	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.67	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.67	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.76	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.58	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.28	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.57	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.29	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.64	PASS
Band2	10MHz	16QAM	19150	1RB#49	23.27	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.72	PASS
Band2	10MHz	16QAM	19150	25RB#0	22.69	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.69	PASS
Band2	10MHz	16QAM	19150	25RB#12	22.67	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.72	PASS
Band2	10MHz	16QAM	19150	25RB#25	22.73	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.75	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.72	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.71	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.78	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.70	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.72	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.62	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.77	PASS
Band2	15MHz	QPSK	18675	38RB#0	22.73	PASS
Band2	15MHz	16QAM	18675	38RB#0	22.73	PASS
Band2	15MHz	QPSK	18675	38RB#18	22.73	PASS
Band2	15MHz	16QAM	18675	38RB#18	22.74	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.75	PASS
Band2	15MHz	16QAM	18675	38RB#37	22.74	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.74	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.72	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.36	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.47	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.46	PASS

Band2	15MHz	16QAM	18900	1RB#38	22.49	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.39	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.56	PASS
Band2	15MHz	QPSK	18900	38RB#0	22.62	PASS
Band2	15MHz	16QAM	18900	38RB#0	22.61	PASS
Band2	15MHz	QPSK	18900	38RB#18	22.60	PASS
Band2	15MHz	16QAM	18900	38RB#18	22.59	PASS
Band2	15MHz	QPSK	18900	38RB#37	22.59	PASS
Band2	15MHz	16QAM	18900	38RB#37	22.59	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.58	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.76	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.66	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.27	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.68	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.35	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.65	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.26	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.75	PASS
Band2	15MHz	16QAM	19125	38RB#0	22.75	PASS
Band2	15MHz	QPSK	19125	38RB#18	22.75	PASS
Band2	15MHz	16QAM	19125	38RB#18	22.75	PASS
Band2	15MHz	QPSK	19125	38RB#37	22.75	PASS
Band2	15MHz	16QAM	19125	38RB#37	22.75	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.75	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.75	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.02	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.60	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.94	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.65	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.92	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.58	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.78	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.79	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.79	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.78	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.87	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.87	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.83	PASS

Band2	20MHz	16QAM	18700	100RB#0	21.87	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.82	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.28	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.86	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.25	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.95	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.19	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.69	PASS
Band2	20MHz	16QAM	18900	50RB#0	22.80	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.76	PASS
Band2	20MHz	16QAM	18900	50RB#25	22.84	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.91	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.92	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.89	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.88	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.82	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.68	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.85	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.61	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.83	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.58	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.80	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.93	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.93	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.90	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.68	PASS
Band2	20MHz	16QAM	19100	50RB#50	22.77	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.76	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.05	PASS

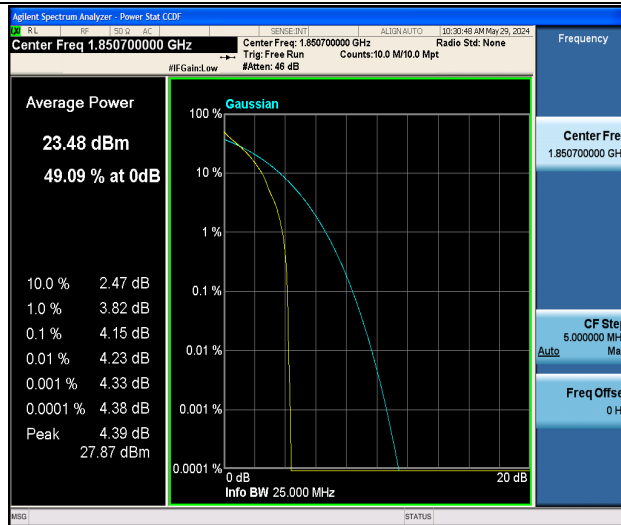
1.2. Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

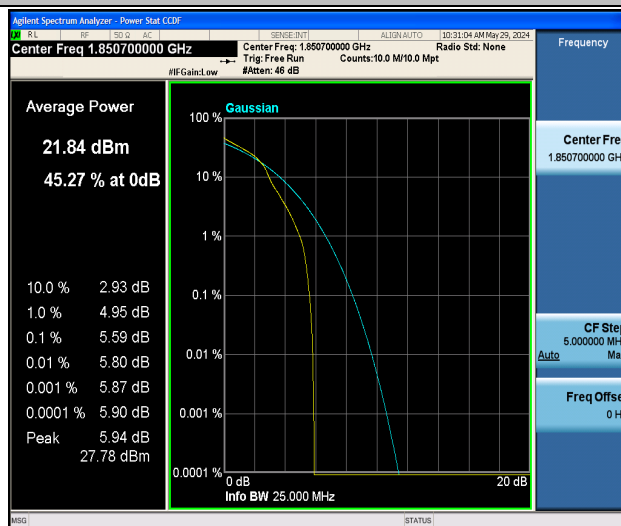
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.15	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.59	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.16	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.96	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	5.06	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.97	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.65	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	6.46	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.30	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.33	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	5.11	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.85	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.07	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.19	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.23	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	6.07	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	5.03	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	6.12	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.62	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	6.48	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.50	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.89	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	5.23	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	6.04	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.12	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.29	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.36	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	6.17	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	5.09	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	6.03	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.59	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	6.33	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.68	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.52	13	PASS

Band2	5MHz	QPSK	19175	25RB#0	5.36	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	6.14	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.30	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	4.62	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.36	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	6.13	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.99	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.93	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	5.62	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	6.39	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.00	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.11	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.47	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	6.25	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.17	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.09	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.46	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.06	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.75	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.69	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.76	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	6.32	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	3.48	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	3.93	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.37	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	6.08	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	4.22	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.25	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.25	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.05	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.31	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.00	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.55	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.28	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	3.77	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	4.55	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.35	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.98	13	PASS

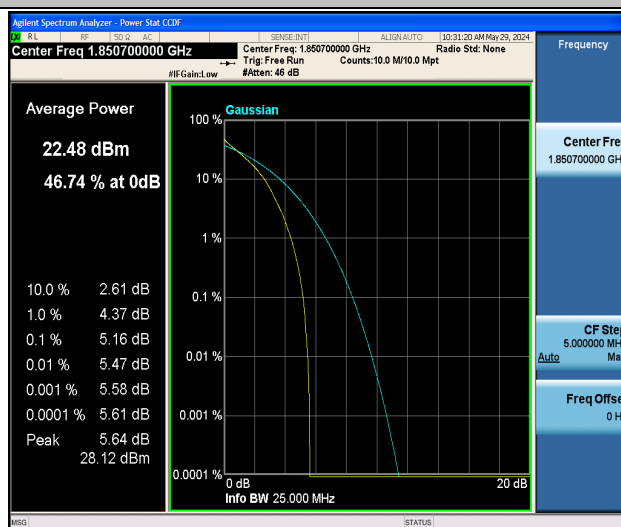
Test Graphs



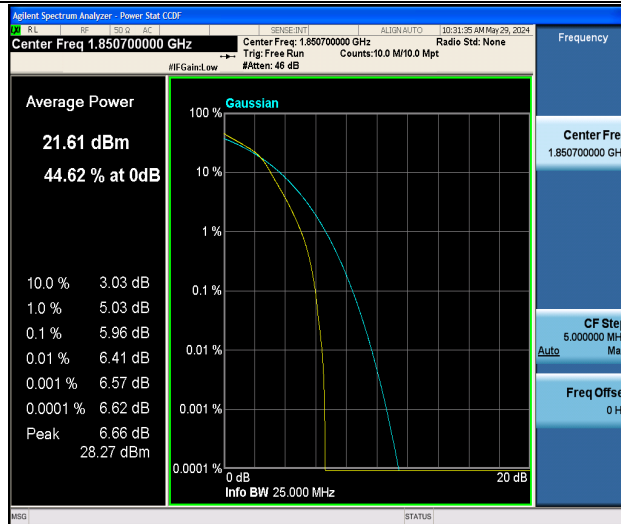
Band2-1.4MHz-QPSK-18607-1RB#0-PASS



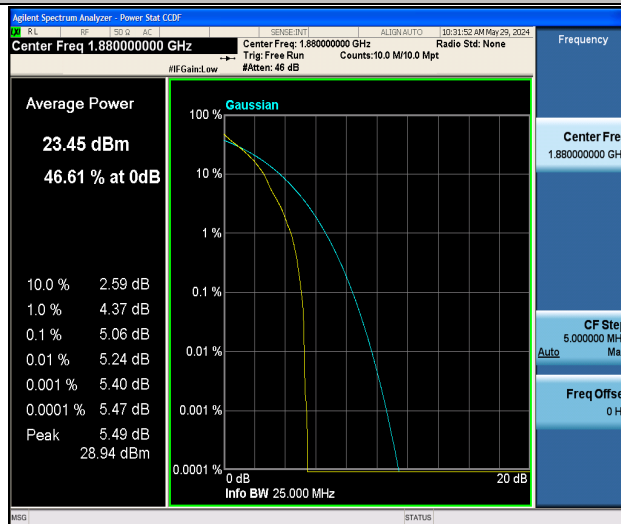
Band2-1.4MHz-16QAM-18607-1RB#0-PASS



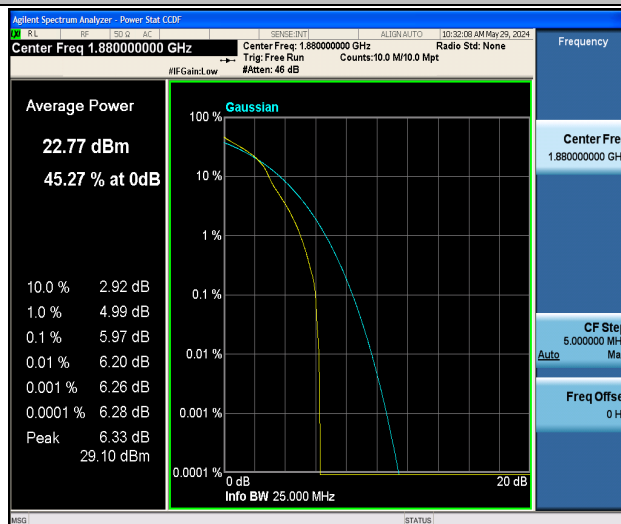
Band2-1.4MHz-QPSK-18607-6RB#0-PASS



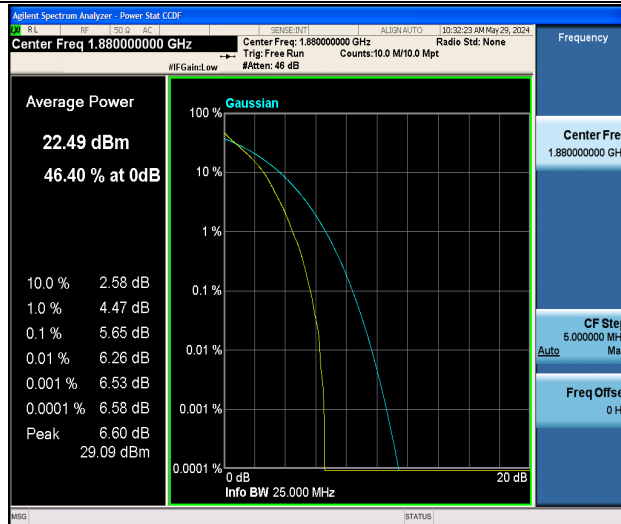
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



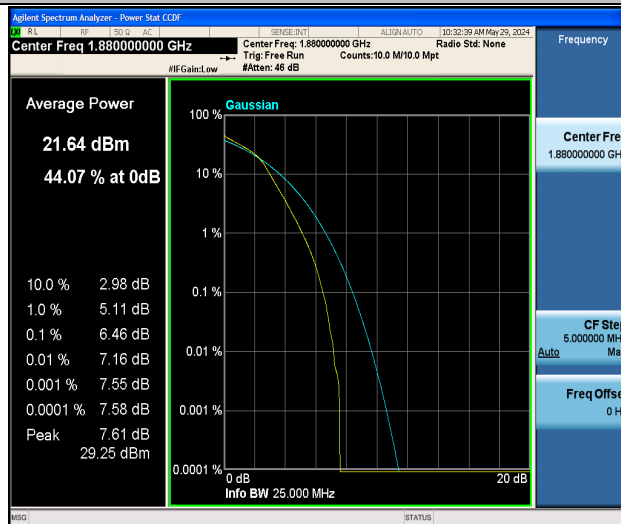
Band2-1.4MHz-QPSK-18900-1RB#0-PASS



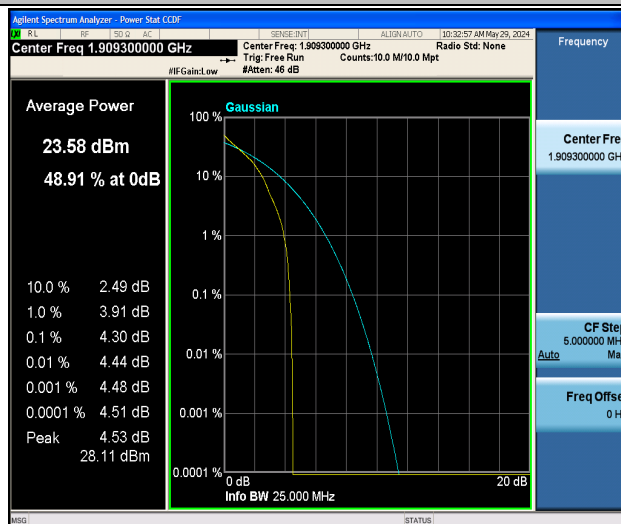
Band2-1.4MHz-16QAM-18900-1RB#0-PASS



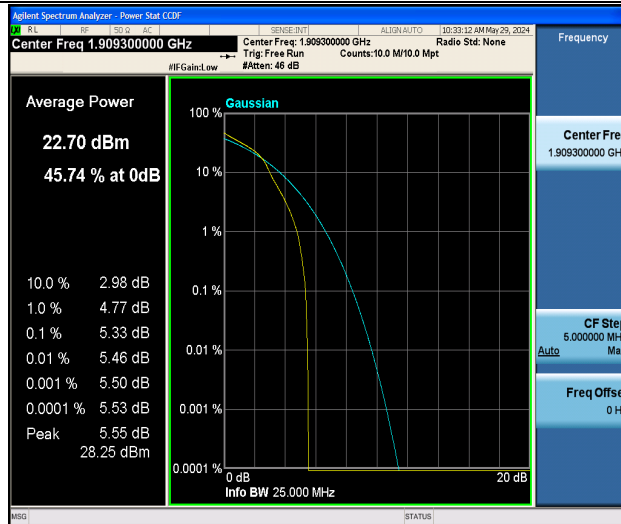
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



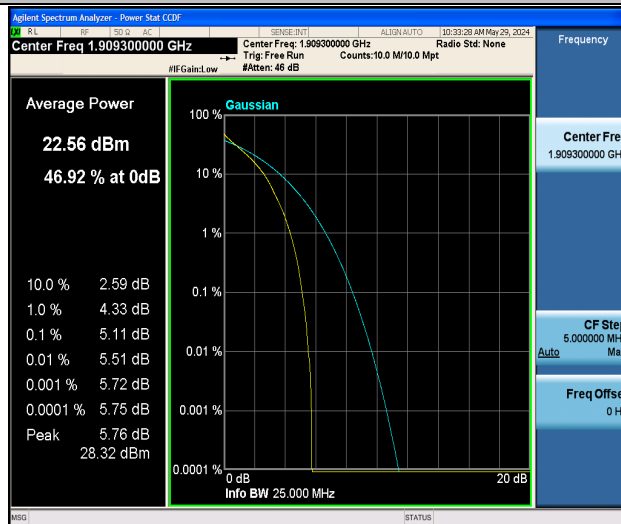
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



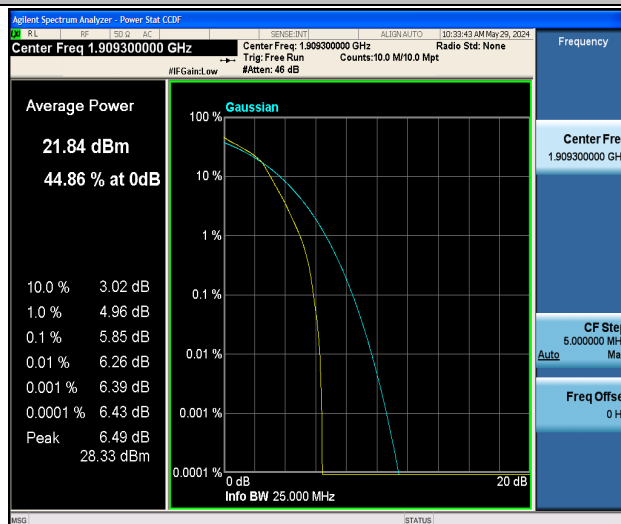
Band2-1.4MHz-QPSK-19193-1RB#0-PASS



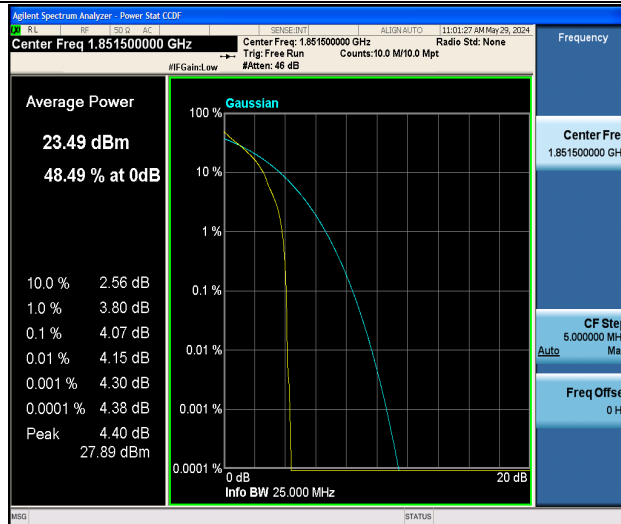
Band2-1.4MHz-16QAM-19193-1RB#0-PASS



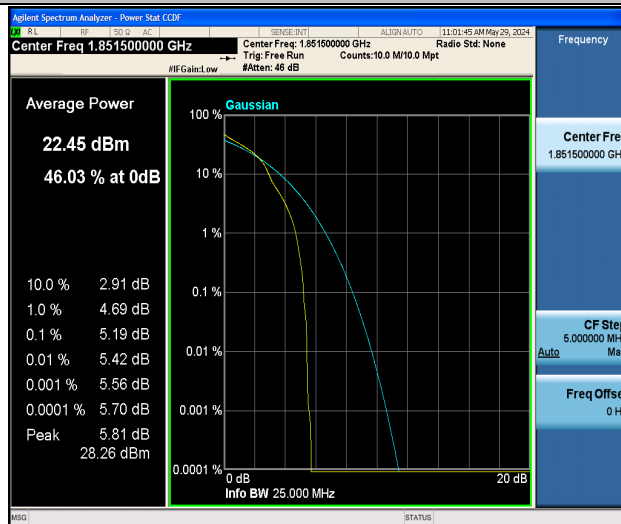
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



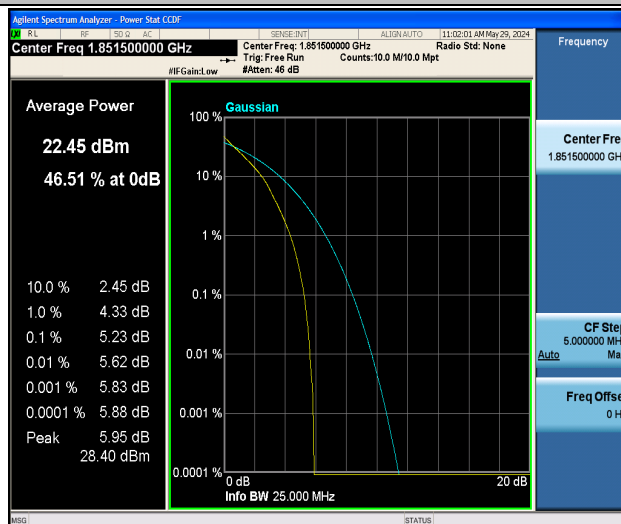
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



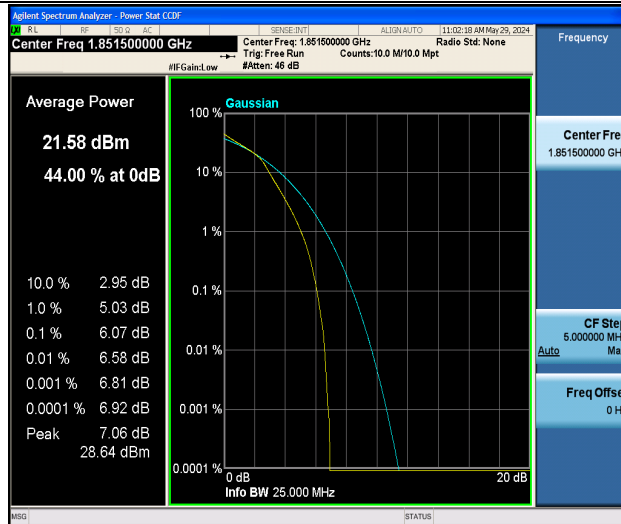
Band2-3MHz-QPSK-18615-1RB#0-PASS



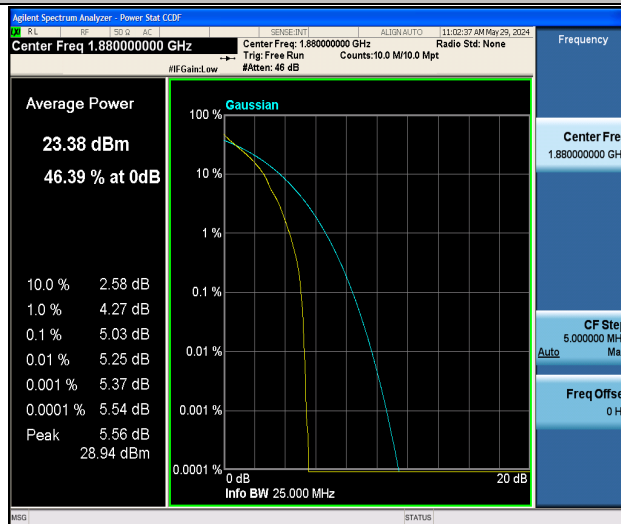
Band2-3MHz-16QAM-18615-1RB#0-PASS



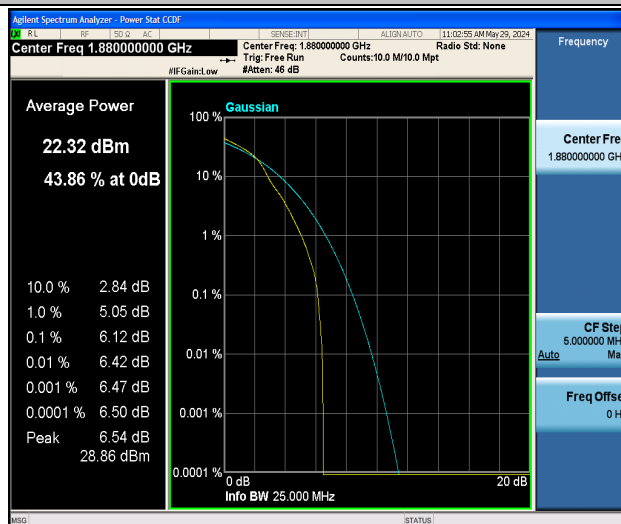
Band2-3MHz-QPSK-18615-15RB#0-PASS



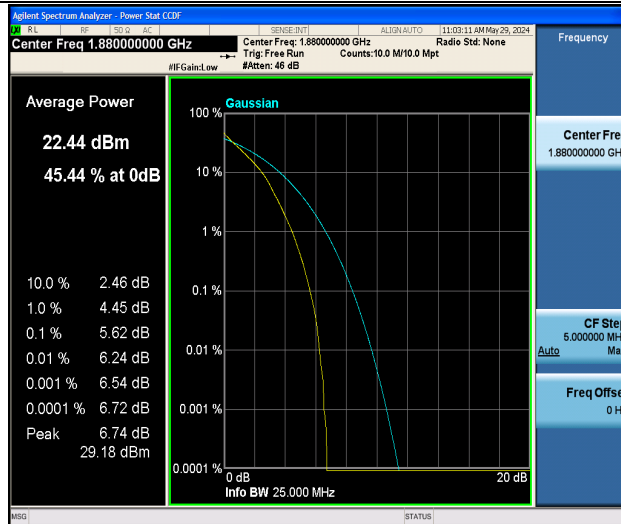
Band2-3MHz-16QAM-18615-15RB#0-PASS



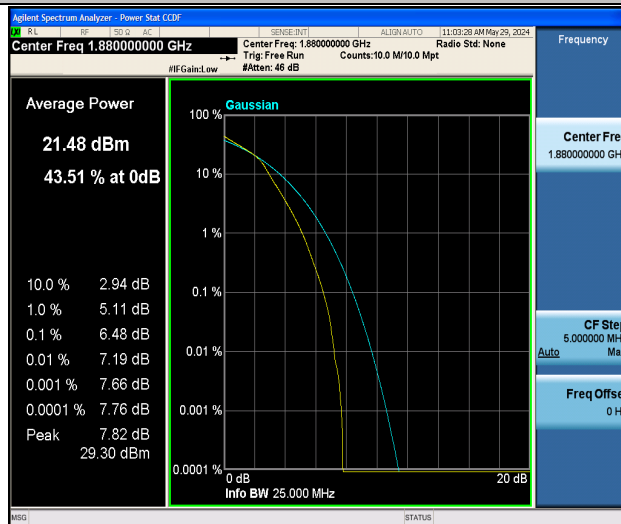
Band2-3MHz-QPSK-18900-1RB#0-PASS



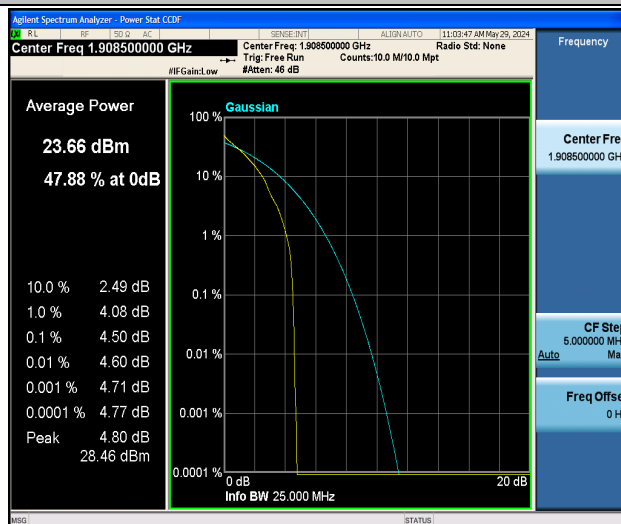
Band2-3MHz-16QAM-18900-1RB#0-PASS



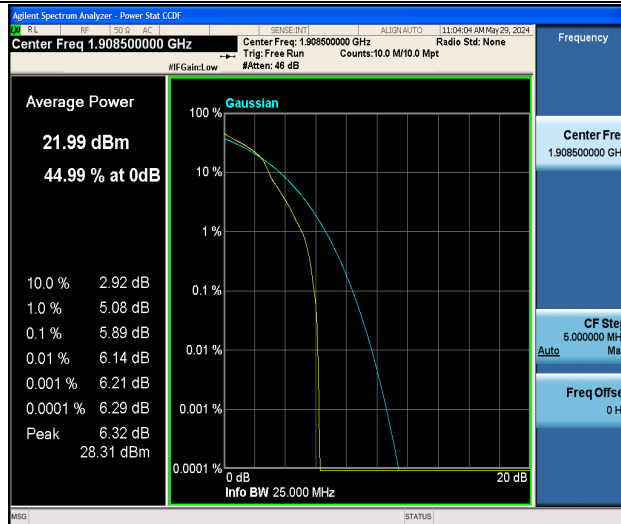
Band2-3MHz-QPSK-18900-15RB#0-PASS



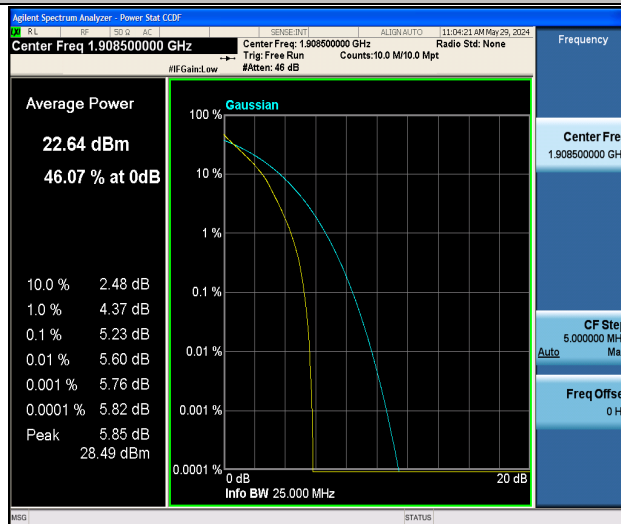
Band2-3MHz-16QAM-18900-15RB#0-PASS



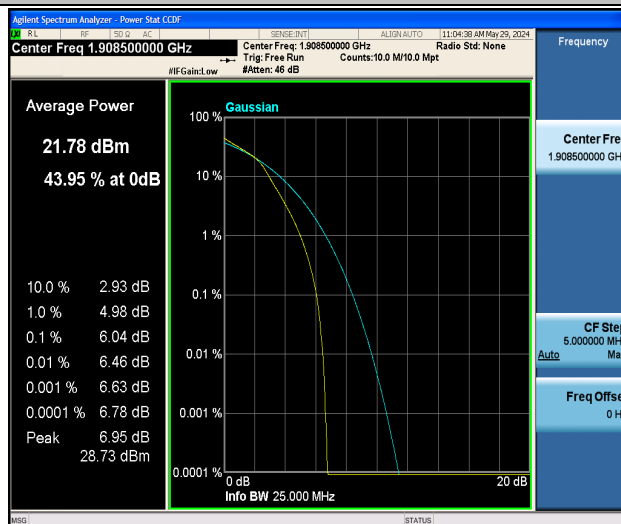
Band2-3MHz-QPSK-19185-1RB#0-PASS



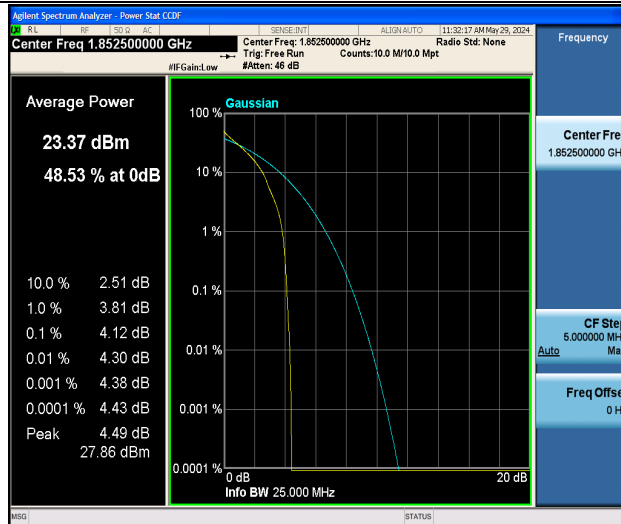
Band2-3MHz-16QAM-19185-1RB#0-PASS



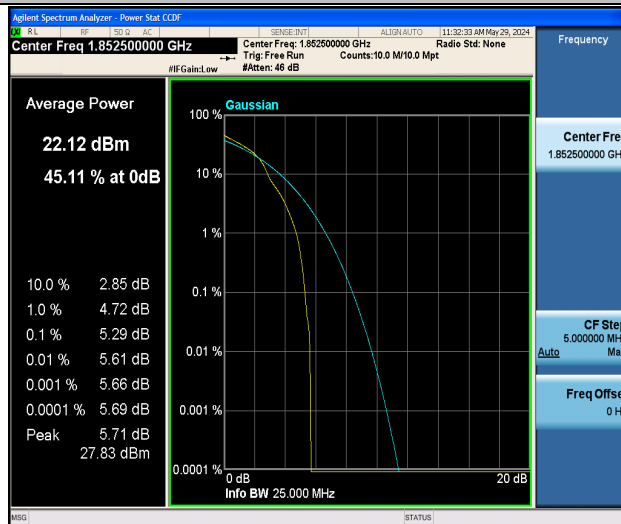
Band2-3MHz-QPSK-19185-15RB#0-PASS



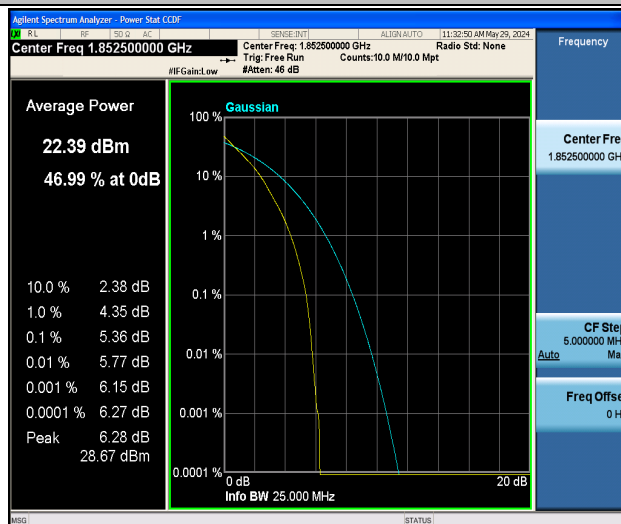
Band2-3MHz-16QAM-19185-15RB#0-PASS



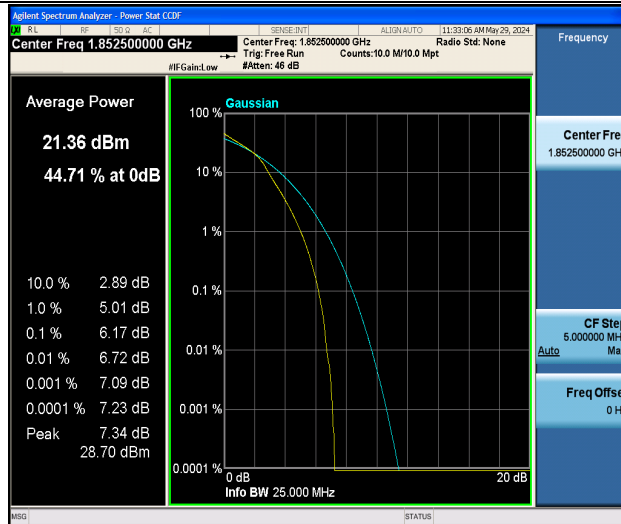
Band2-5MHz-QPSK-18625-1RB#0-PASS



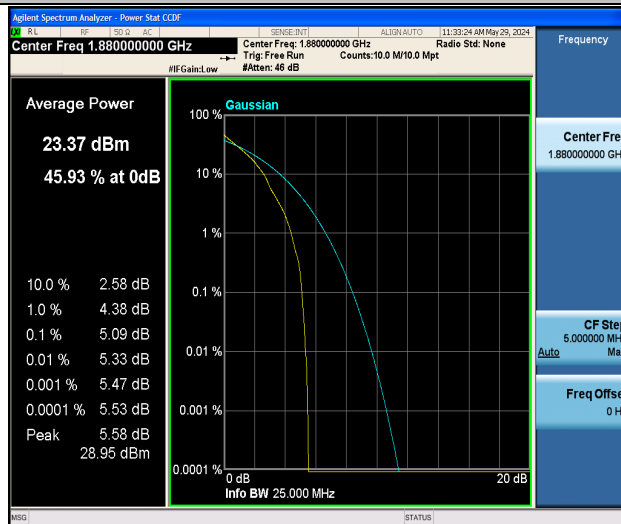
Band2-5MHz-16QAM-18625-1RB#0-PASS



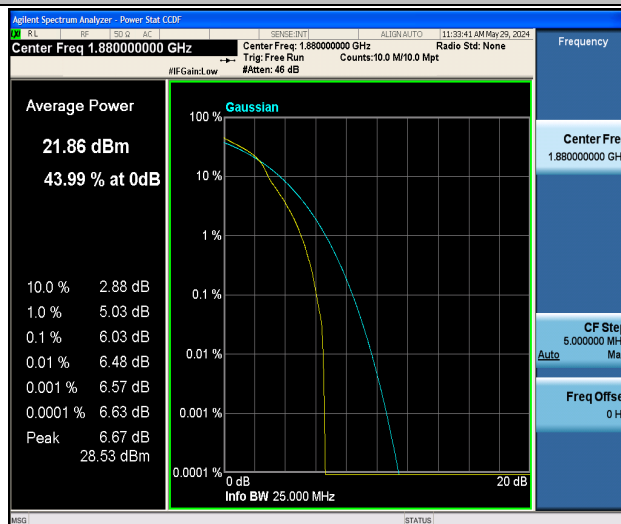
Band2-5MHz-QPSK-18625-25RB#0-PASS



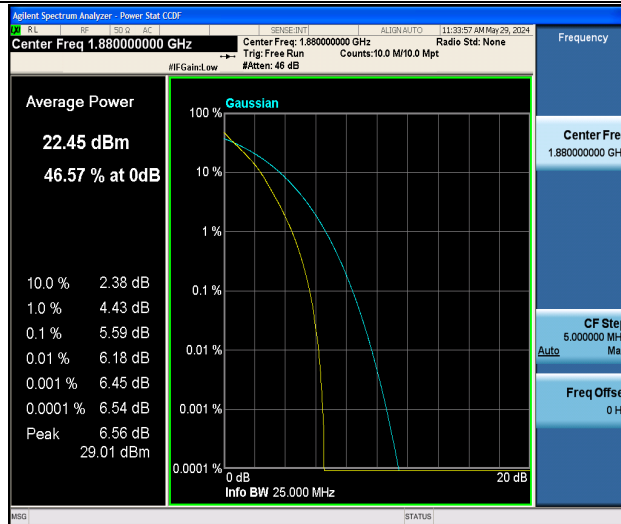
Band2-5MHz-16QAM-18625-25RB#0-PASS



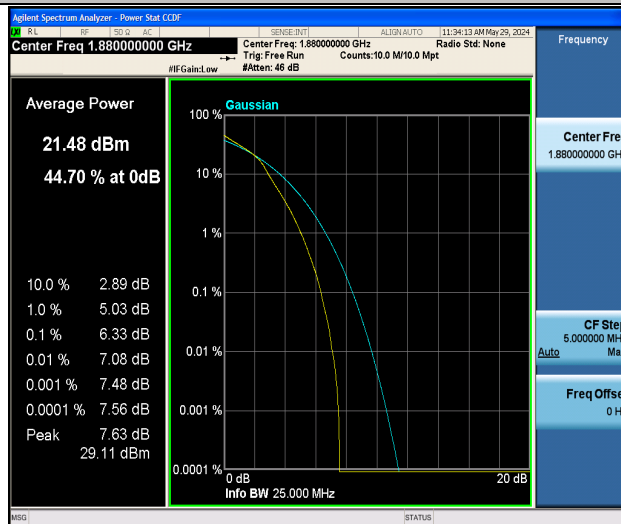
Band2-5MHz-QPSK-18900-1RB#0-PASS



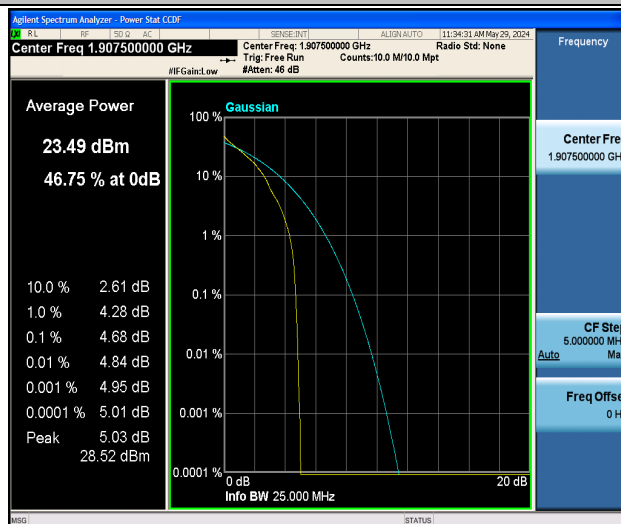
Band2-5MHz-16QAM-18900-1RB#0-PASS



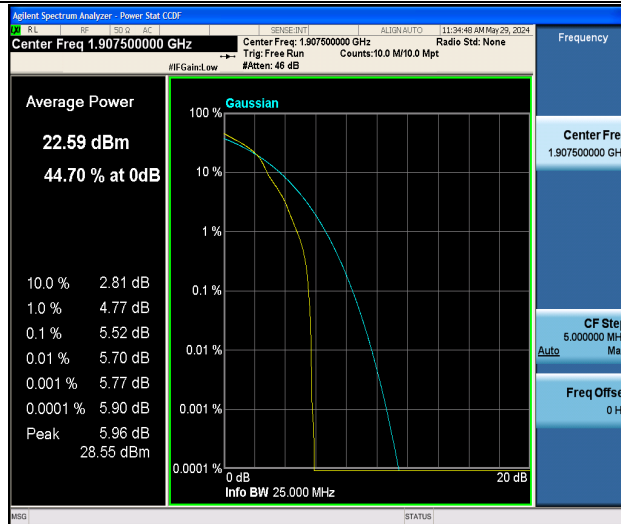
Band2-5MHz-QPSK-18900-25RB#0-PASS



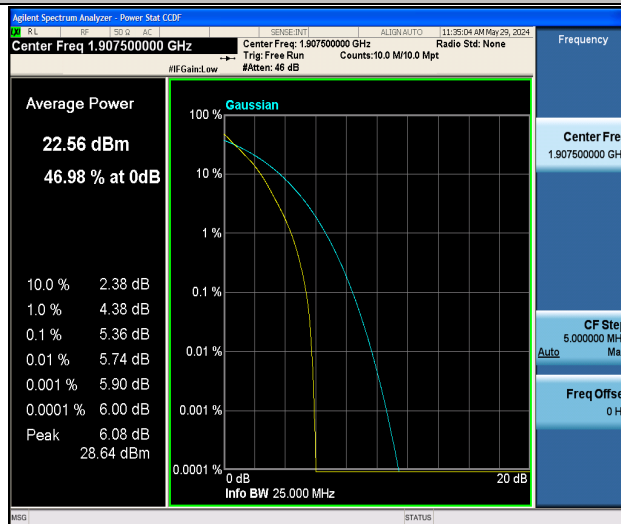
Band2-5MHz-16QAM-18900-25RB#0-PASS



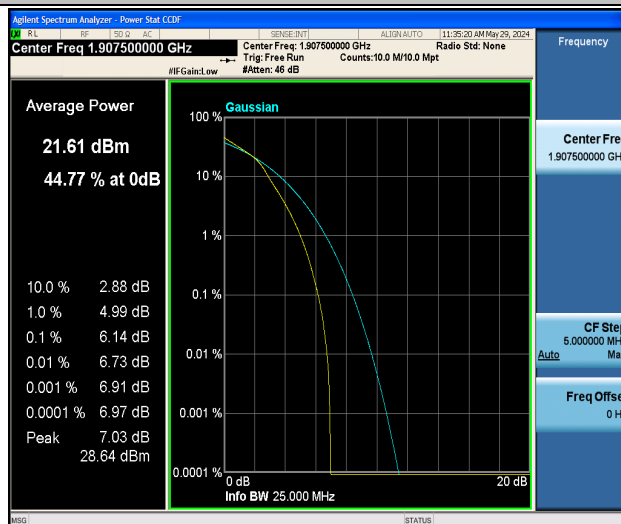
Band2-5MHz-QPSK-19175-1RB#0-PASS



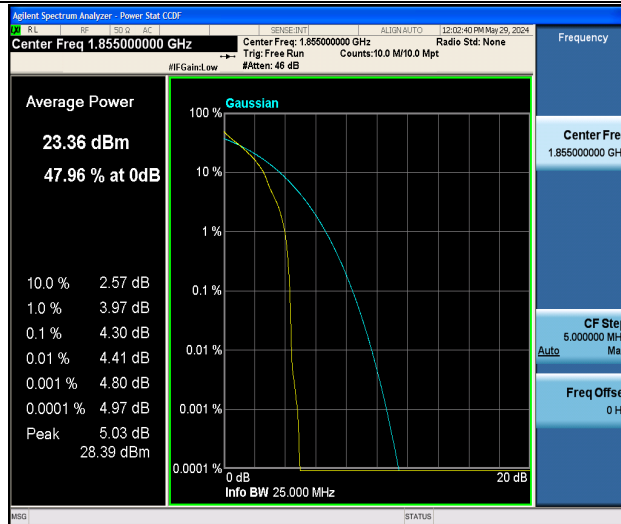
Band2-5MHz-16QAM-19175-1RB#0-PASS



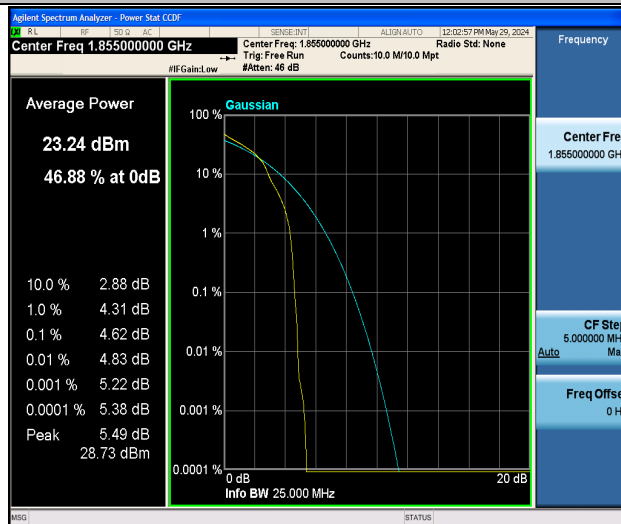
Band2-5MHz-QPSK-19175-25RB#0-PASS



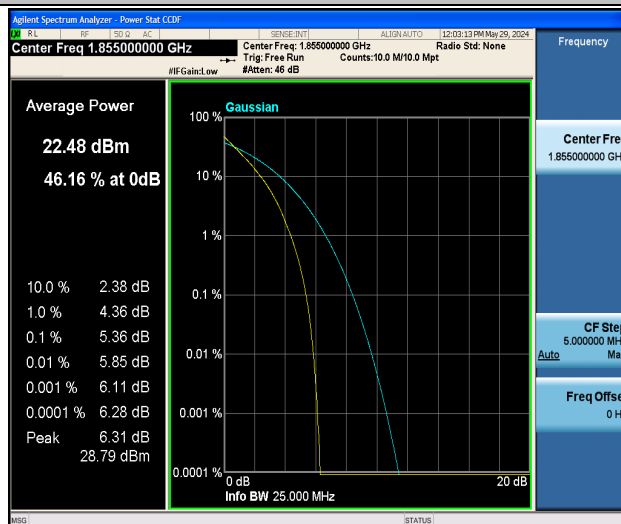
Band2-5MHz-16QAM-19175-25RB#0-PASS



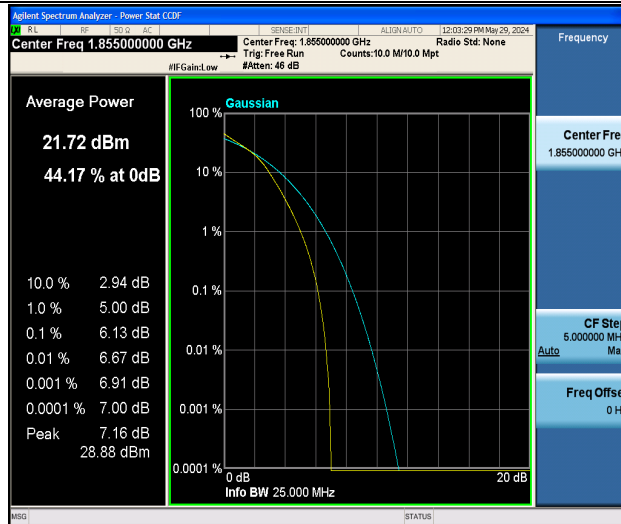
Band2-10MHz-QPSK-18650-1RB#0-PASS



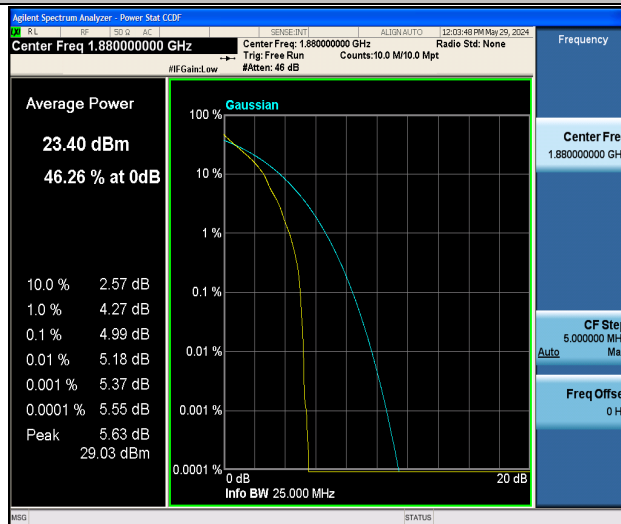
Band2-10MHz-16QAM-18650-1RB#0-PASS



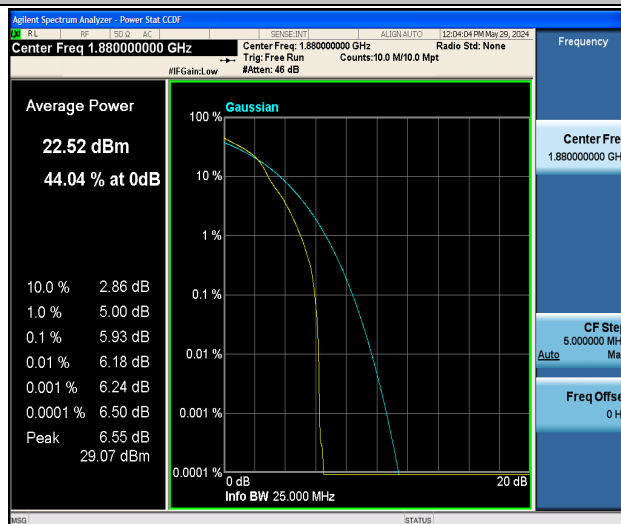
Band2-10MHz-QPSK-18650-50RB#0-PASS



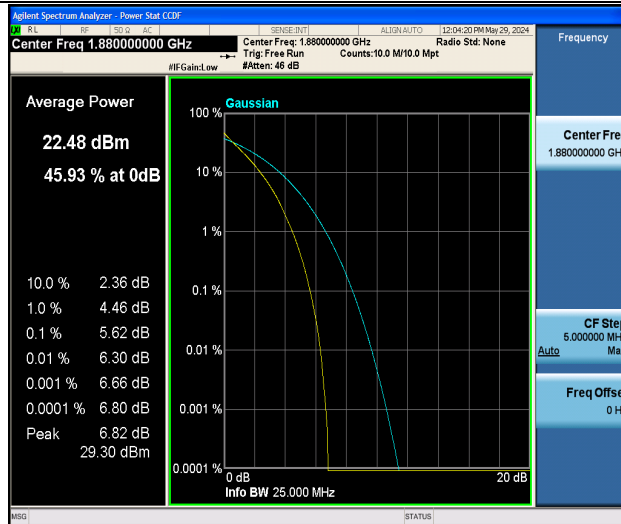
Band2-10MHz-16QAM-18650-50RB#0-PASS



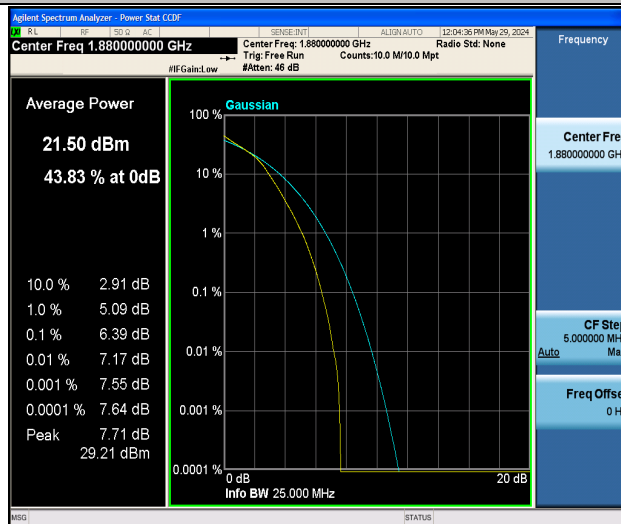
Band2-10MHz-QPSK-18900-1RB#0-PASS



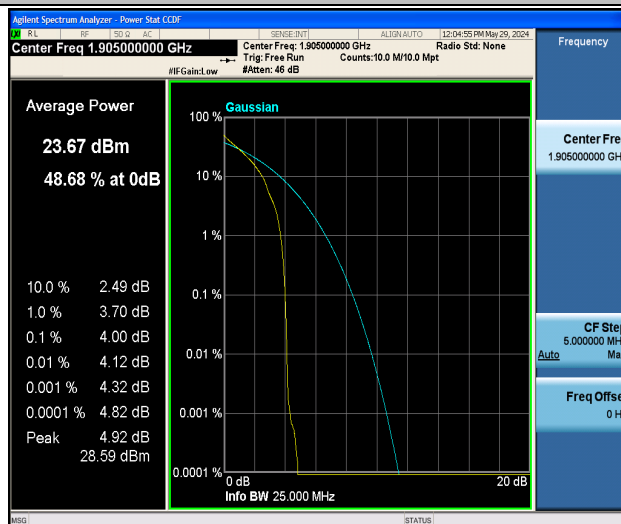
Band2-10MHz-16QAM-18900-1RB#0-PASS



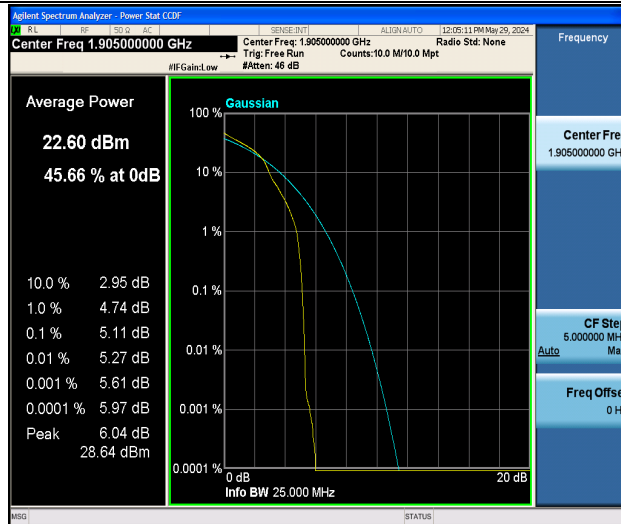
Band2-10MHz-QPSK-18900-50RB#0-PASS



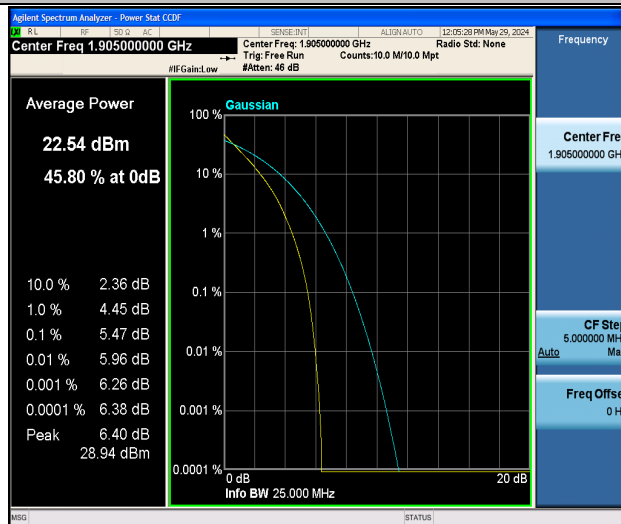
Band2-10MHz-16QAM-18900-50RB#0-PASS



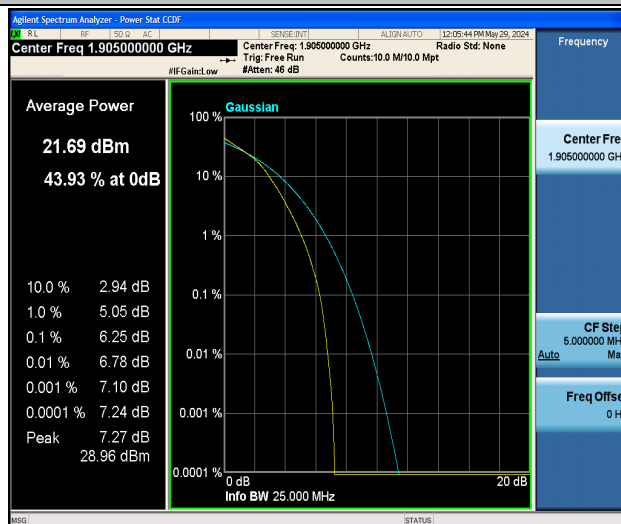
Band2-10MHz-QPSK-19150-1RB#0-PASS



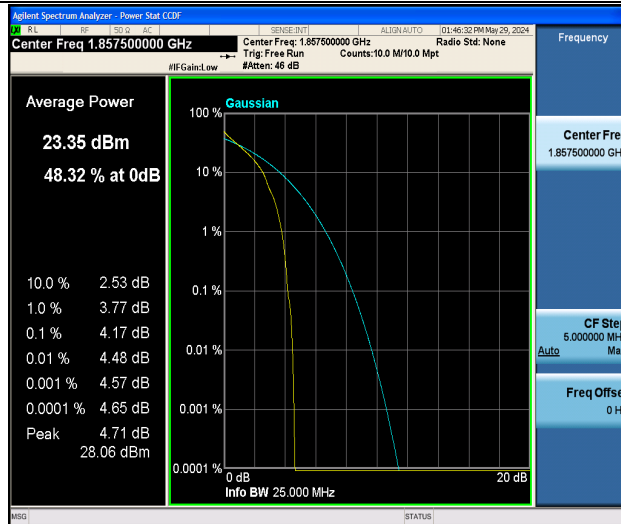
Band2-10MHz-16QAM-19150-1RB#0-PASS



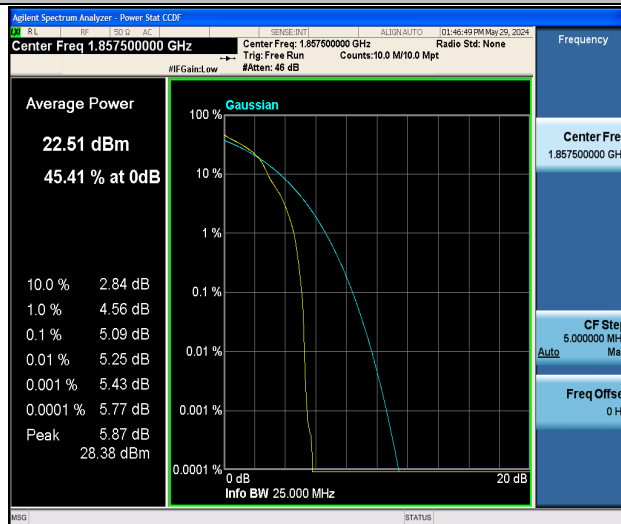
Band2-10MHz-QPSK-19150-50RB#0-PASS



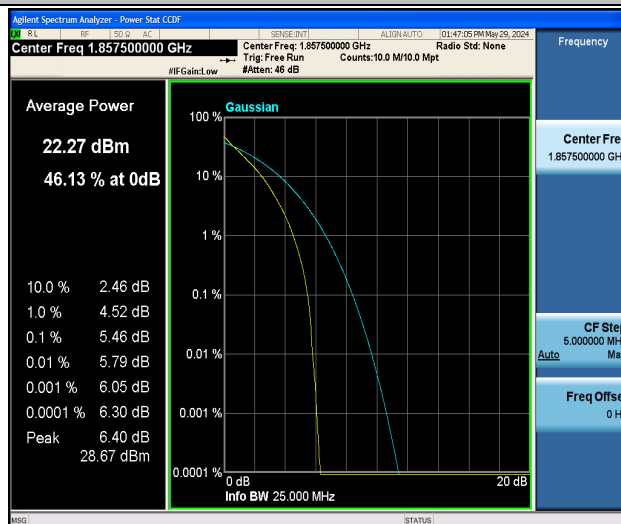
Band2-10MHz-16QAM-19150-50RB#0-PASS



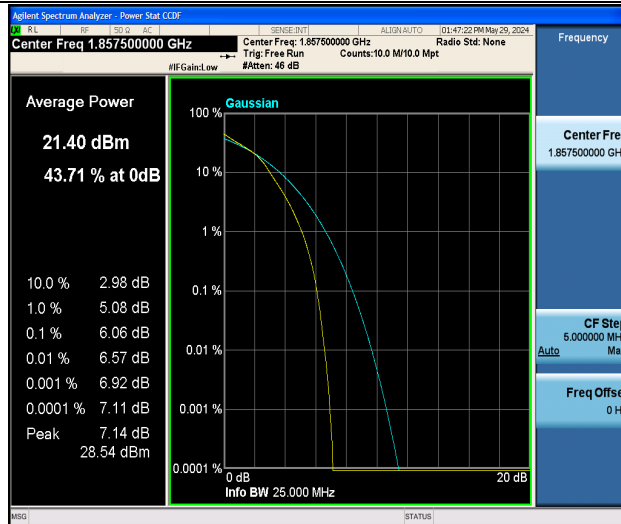
Band2-15MHz-QPSK-18675-1RB#0-PASS



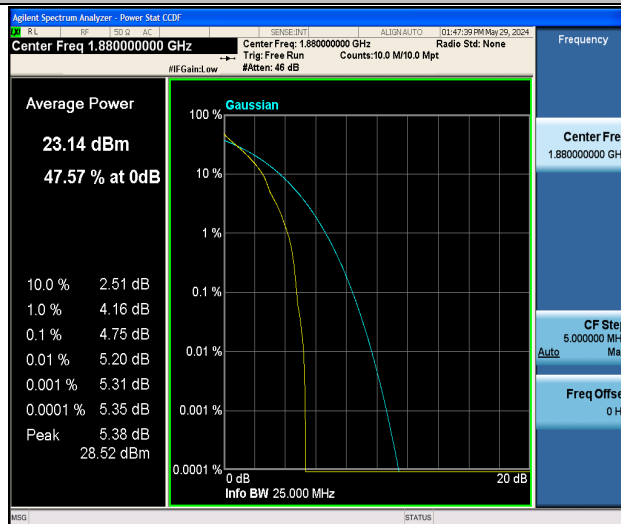
Band2-15MHz-16QAM-18675-1RB#0-PASS



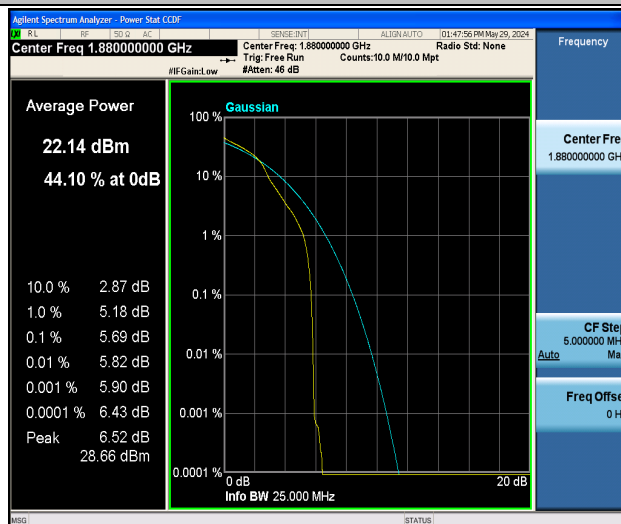
Band2-15MHz-QPSK-18675-75RB#0-PASS



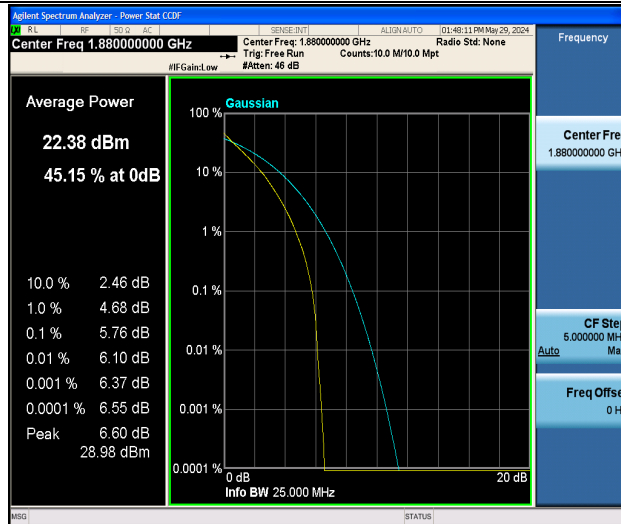
Band2-15MHz-16QAM-18675-75RB#0-PASS



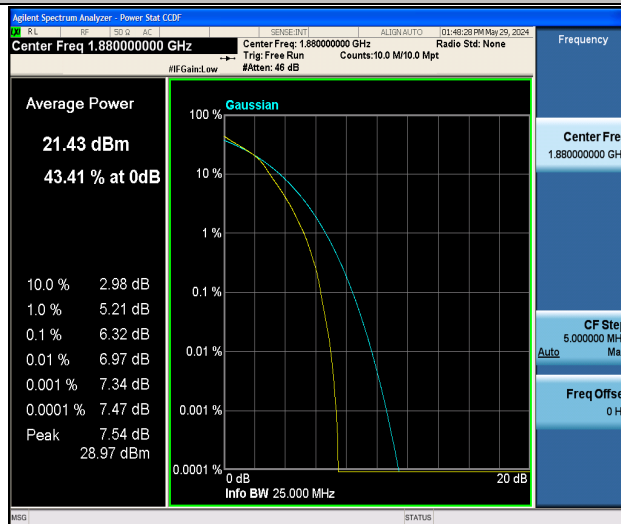
Band2-15MHz-QPSK-18900-1RB#0-PASS



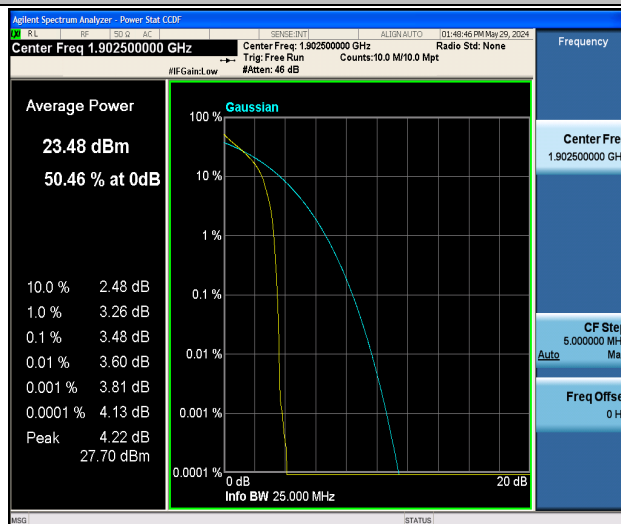
Band2-15MHz-16QAM-18900-1RB#0-PASS



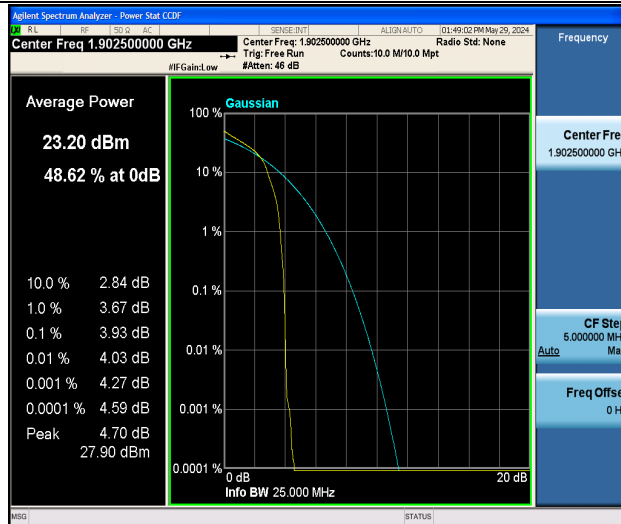
Band2-15MHz-QPSK-18900-75RB#0-PASS



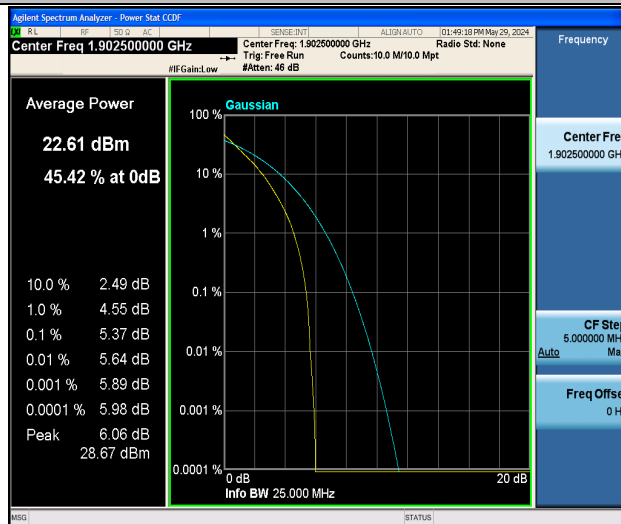
Band2-15MHz-16QAM-18900-75RB#0-PASS



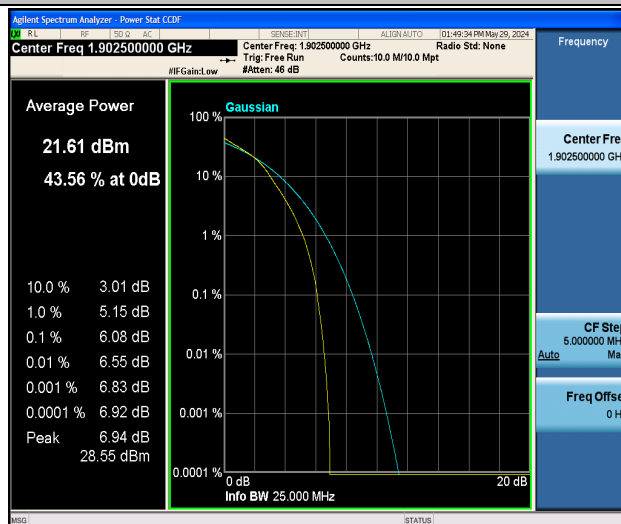
Band2-15MHz-QPSK-19125-1RB#0-PASS



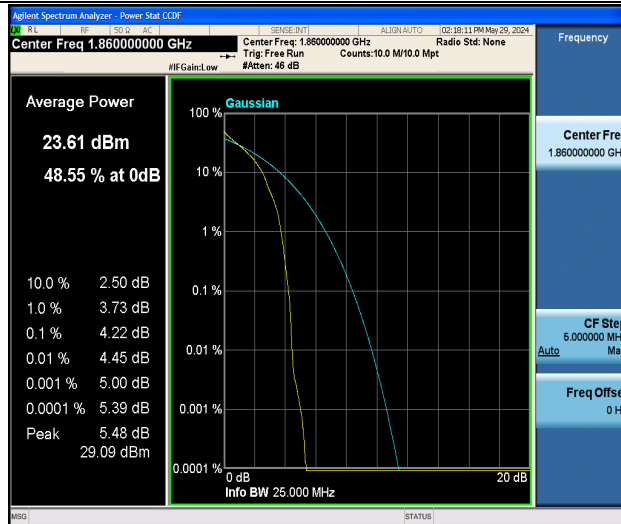
Band2-15MHz-16QAM-19125-1RB#0-PASS



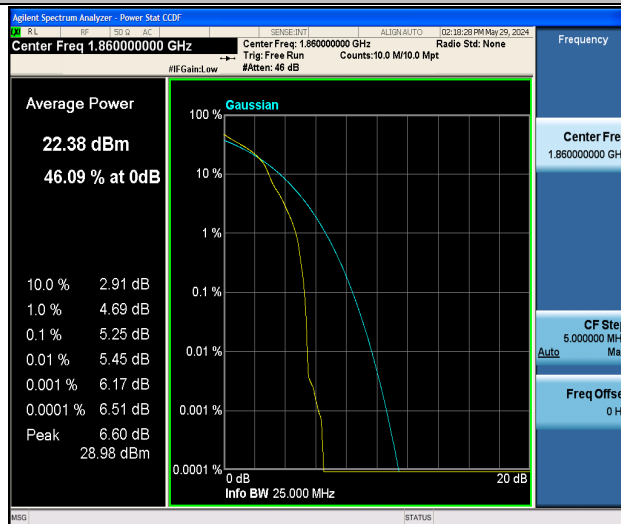
Band2-15MHz-QPSK-19125-75RB#0-PASS



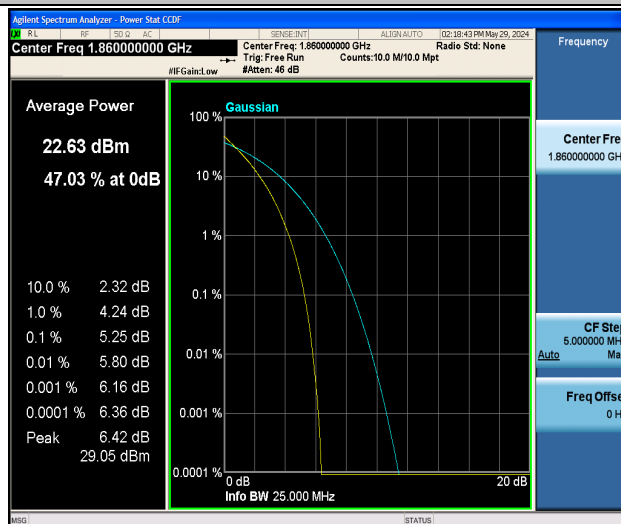
Band2-15MHz-16QAM-19125-75RB#0-PASS



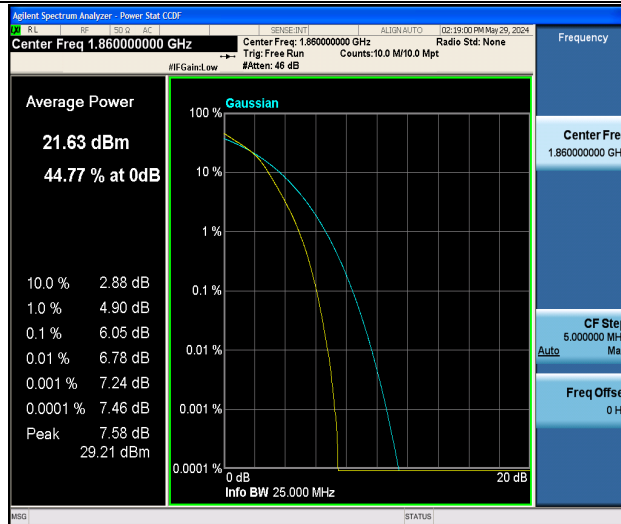
Band2-20MHz-QPSK-18700-1RB#0-PASS



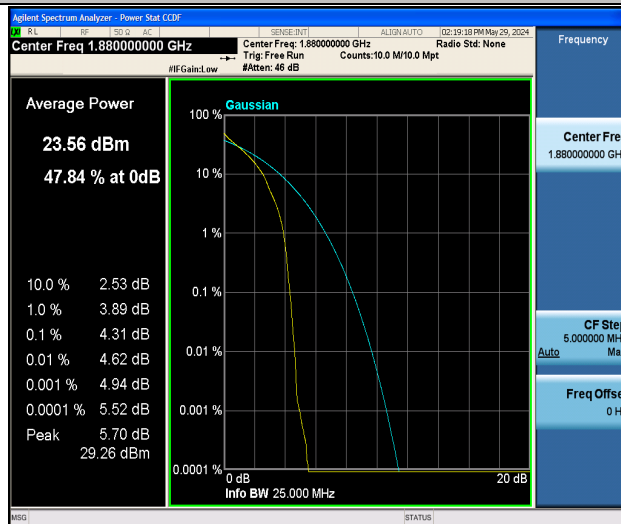
Band2-20MHz-16QAM-18700-1RB#0-PASS



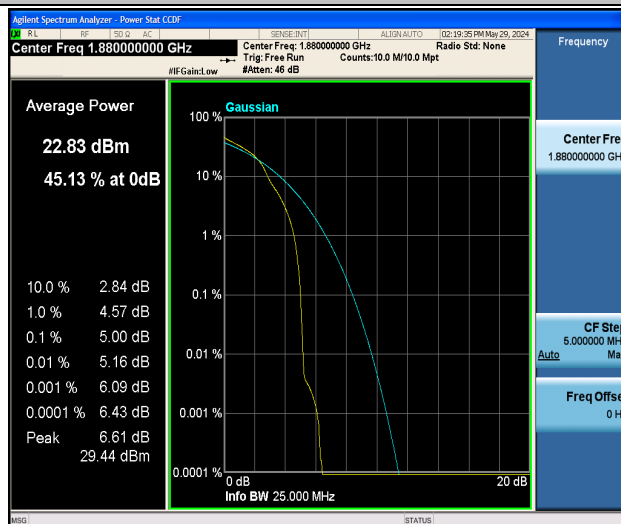
Band2-20MHz-QPSK-18700-100RB#0-PASS



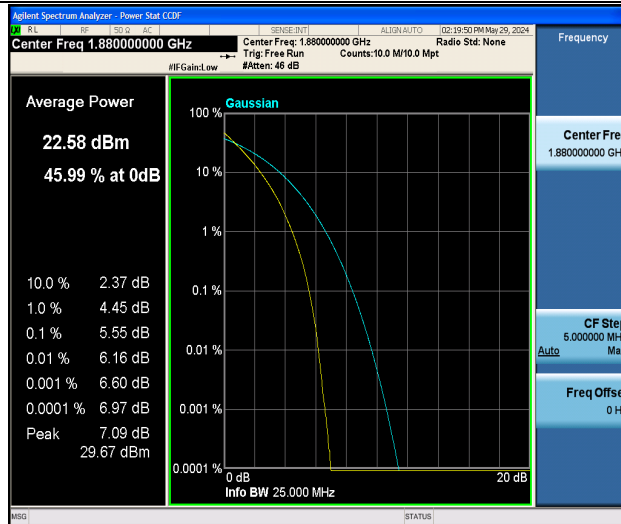
Band2-20MHz-16QAM-18700-100RB#0-PASS



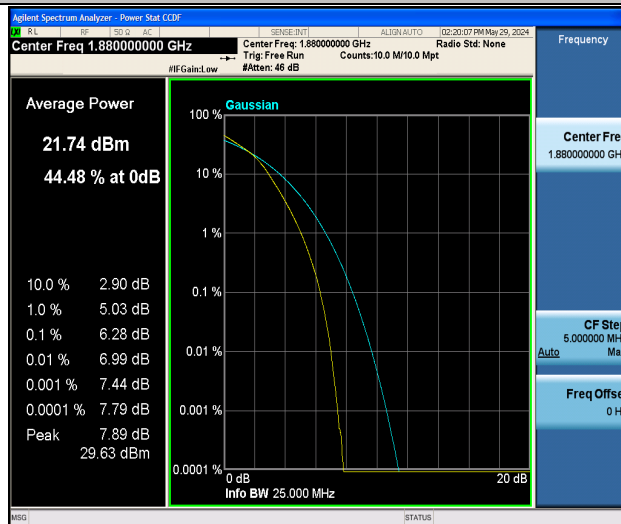
Band2-20MHz-QPSK-18900-1RB#0-PASS



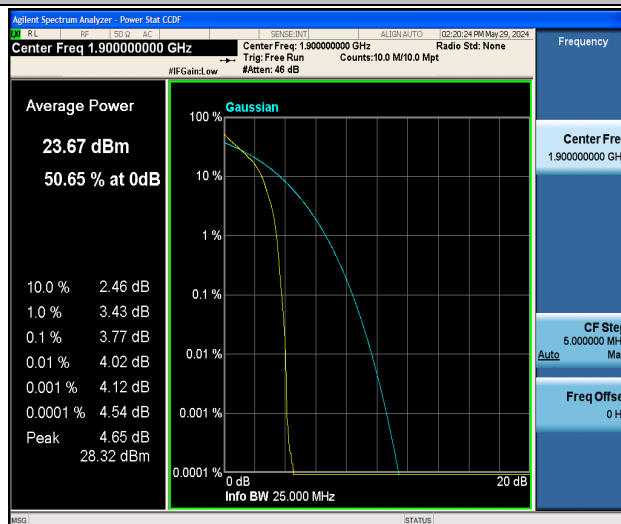
Band2-20MHz-16QAM-18900-1RB#0-PASS



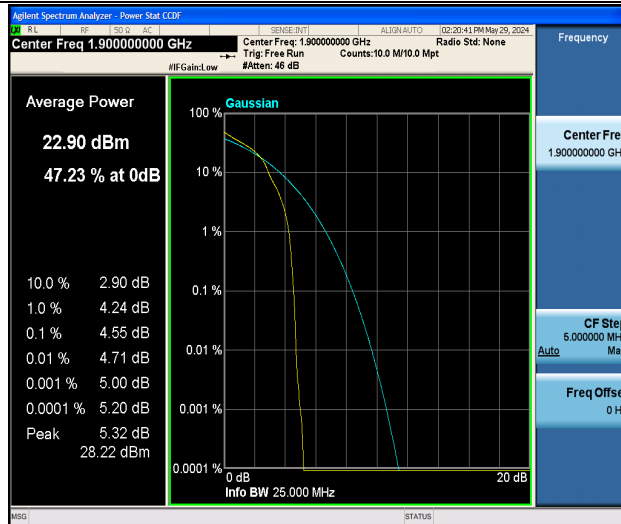
Band2-20MHz-QPSK-18900-100RB#0-PASS



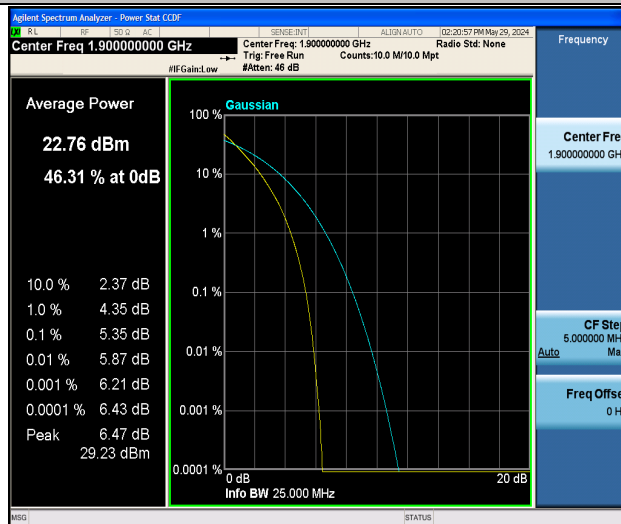
Band2-20MHz-16QAM-18900-100RB#0-PASS



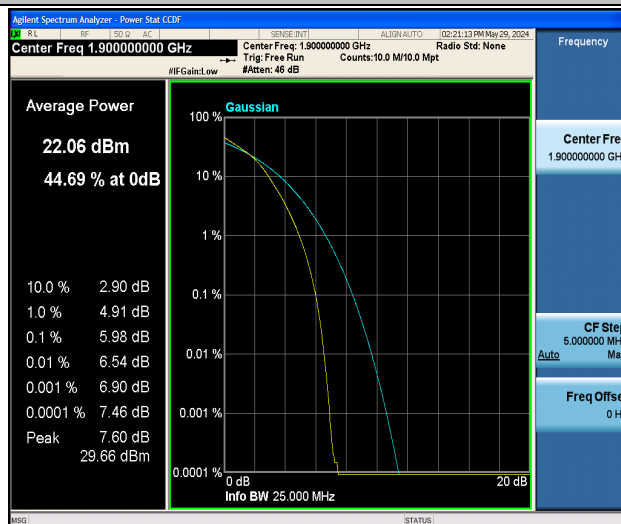
Band2-20MHz-QPSK-19100-1RB#0-PASS



Band2-20MHz-16QAM-19100-1RB#0-PASS



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



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

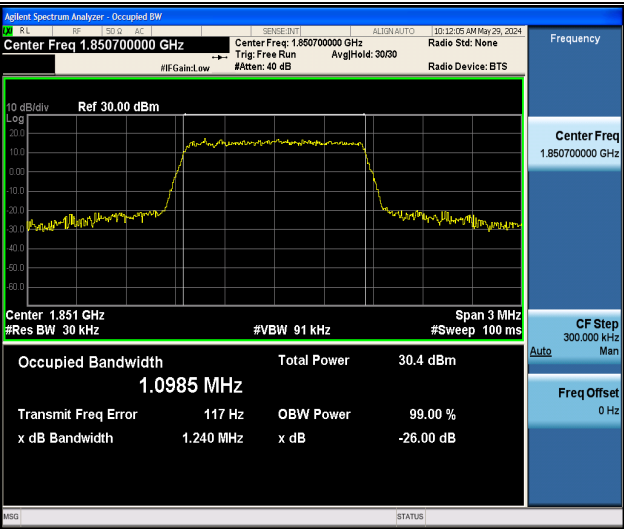
1.3. Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

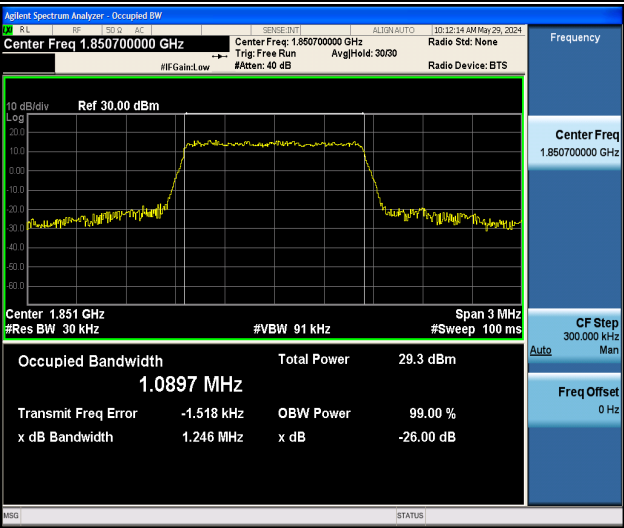
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0985	1.240	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0897	1.246	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0962	1.245	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0981	1.249	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0979	1.245	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0904	1.243	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7109	3.022	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6997	3.030	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7051	3.020	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7077	3.035	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7086	3.018	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7055	3.030	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5068	4.969	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5072	4.967	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5017	4.960	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5130	4.987	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5073	4.999	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5227	4.996	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9827	9.879	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9973	9.902	PASS
Band2	10MHz	QPSK	18900	50RB#0	9.0170	9.888	PASS
Band2	10MHz	16QAM	18900	50RB#0	9.0050	9.891	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9711	9.913	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9951	9.889	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.469	14.93	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.459	14.94	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.522	15.03	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.508	14.98	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.493	14.96	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.540	15.05	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.941	19.61	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.965	19.57	PASS

Band2	20MHz	QPSK	18900	100RB#0	18.078	19.80	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.032	19.81	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.057	19.65	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.044	19.94	PASS

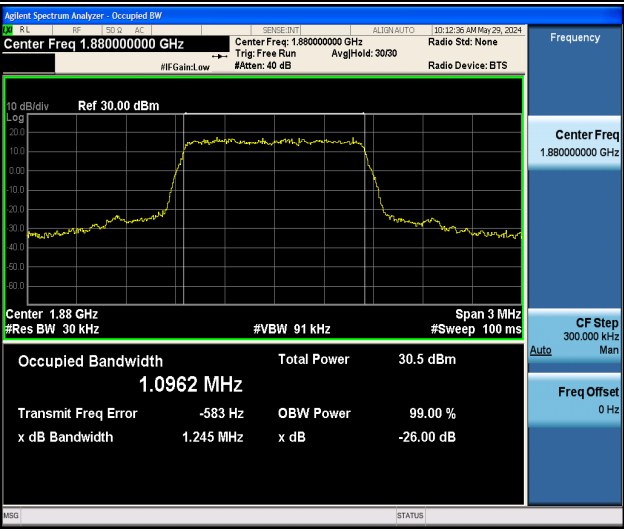
Test Graphs



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



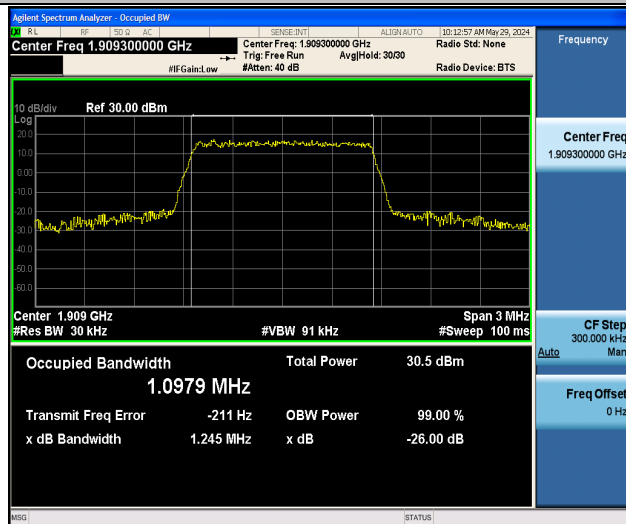
Band2-1.4MHz-16QAM-18607-6RB#0-PASS



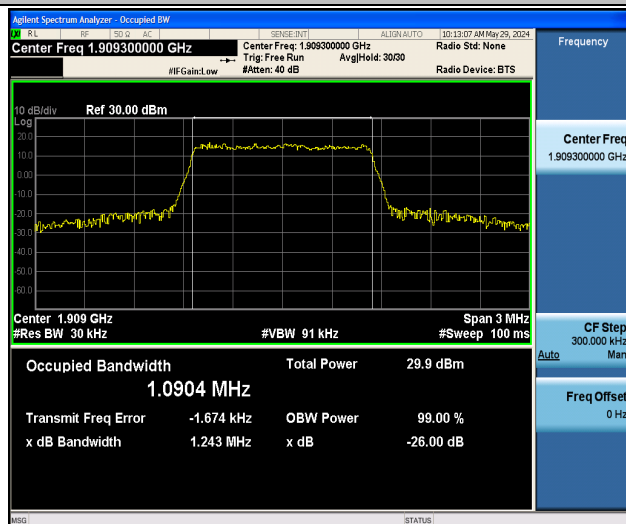
Band2-1.4MHz-QPSK-18900-6RB#0-PASS



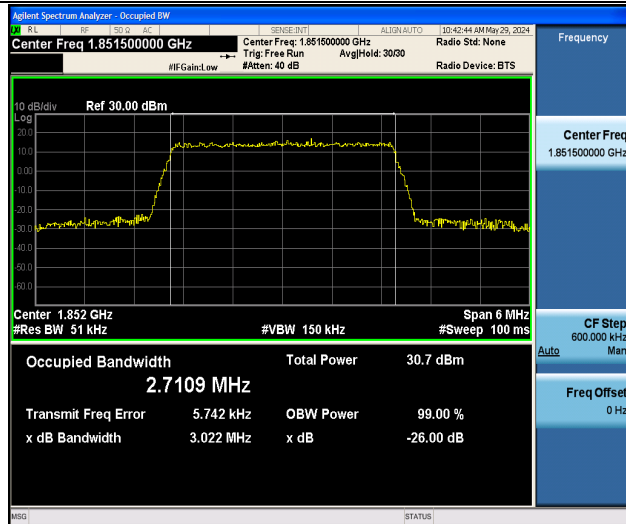
Band2-1.4MHz-16QAM-18900-6RB#0-PASS



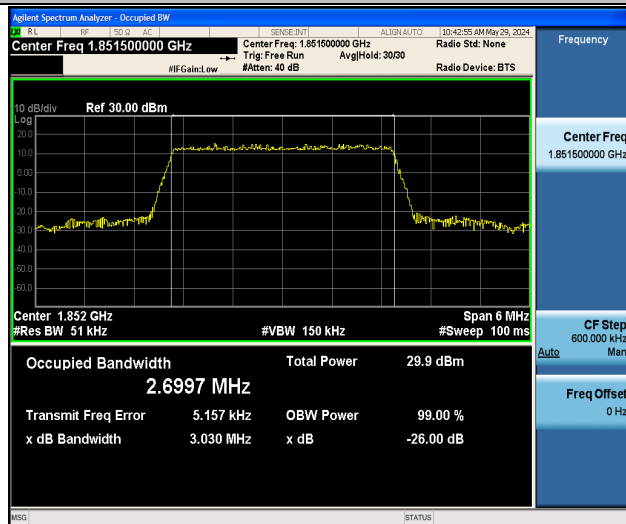
Band2-1.4MHz-QPSK-19193-6RB#0-PASS



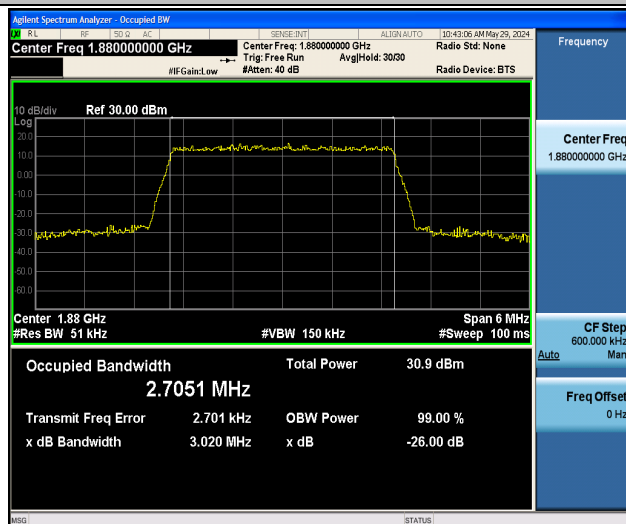
Band2-1.4MHz-16QAM-19193-6RB#0-PASS



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



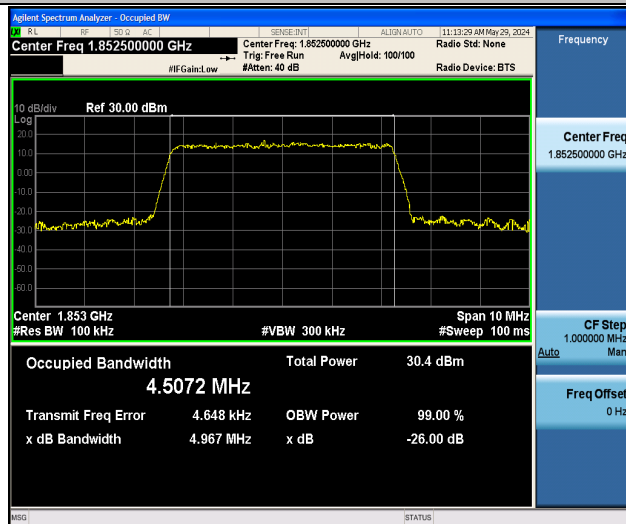
Band2-3MHz-16QAM-18615-15RB#0-PASS



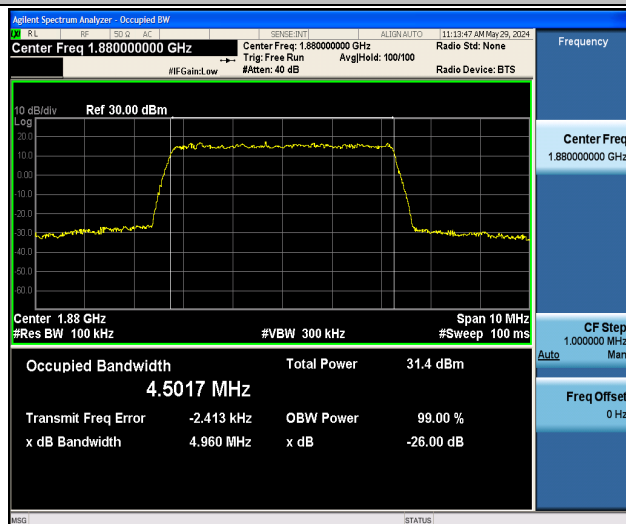
Band2-3MHz-QPSK-18900-15RB#0-PASS



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



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



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