Appendix D: Test Data for E-UTRA Band 2

Product Name: Smart POS Terminal

Test Model: P92

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

D.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	21.51	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.57	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.47	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	21.61	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	21.58	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.57	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	20.57	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	21.31	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	21.32	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	21.43	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.25	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	21.25	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	21.28	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	20.27	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	21.07	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	21.07	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	21.03	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	21.16	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	21.06	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	21.14	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	20.03	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.26	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.28	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.31	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	20.33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	20.36	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	20.38	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	19.78	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	20.55	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	20.57	PASS

Band2	1.4MHz	16QAM	18900	1RB#5	20.49	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	20.12	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	20.12	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	20.04	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	19.26	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	19.80	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	19.74	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	19.72	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	19.98	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	19.97	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	20.03	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	19.09	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.43	PASS
Band2	3MHz	QPSK	18615	1RB#8	21.47	PASS
Band2	3MHz	QPSK	18615	1RB#14	21.44	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.48	PASS
Band2	3MHz	QPSK	18615	8RB#4	20.49	PASS
Band2	3MHz	QPSK	18615	8RB#7	20.54	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.44	PASS
Band2	3MHz	QPSK	18900	1RB#0	21.24	PASS
Band2	3MHz	QPSK	18900	1RB#8	21.22	PASS
Band2	3MHz	QPSK	18900	1RB#14	21.20	PASS
Band2	3MHz	QPSK	18900	8RB#0	20.16	PASS
Band2	3MHz	QPSK	18900	8RB#4	20.16	PASS
Band2	3MHz	QPSK	18900	8RB#7	20.28	PASS
Band2	3MHz	QPSK	18900	15RB#0	20.27	PASS
Band2	3MHz	QPSK	19185	1RB#0	21.05	PASS
Band2	3MHz	QPSK	19185	1RB#8	21.05	PASS
Band2	3MHz	QPSK	19185	1RB#14	21.00	PASS
Band2	3MHz	QPSK	19185	8RB#0	20.01	PASS
Band2	3MHz	QPSK	19185	8RB#4	20.05	PASS
Band2	3MHz	QPSK	19185	8RB#7	20.08	PASS
Band2	3MHz	QPSK	19185	15RB#0	20.09	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.44	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.44	PASS

Band2	3MHz	16QAM	18615	1RB#14	20.40	PASS
Band2	3MHz	16QAM	18615	8RB#0	19.67	PASS
Band2	3MHz	16QAM	18615	8RB#4	19.68	PASS
Band2	3MHz	16QAM	18615	8RB#7	19.63	PASS
Band2	3MHz	16QAM	18615	15RB#0	19.60	PASS
Band2	3MHz	16QAM	18900	1RB#0	19.84	PASS
Band2	3MHz	16QAM	18900	1RB#8	19.81	PASS
Band2	3MHz	16QAM	18900	1RB#14	19.84	PASS
Band2	3MHz	16QAM	18900	8RB#0	19.30	PASS
Band2	3MHz	16QAM	18900	8RB#4	19.30	PASS
Band2	3MHz	16QAM	18900	8RB#7	19.30	PASS
Band2	3MHz	16QAM	18900	15RB#0	19.30	PASS
Band2	3MHz	16QAM	19185	1RB#0	19.73	PASS
Band2	3MHz	16QAM	19185	1RB#8	19.70	PASS
Band2	3MHz	16QAM	19185	1RB#14	19.68	PASS
Band2	3MHz	16QAM	19185	8RB#0	19.31	PASS
Band2	3MHz	16QAM	19185	8RB#4	19.30	PASS
Band2	3MHz	16QAM	19185	8RB#7	19.28	PASS
Band2	3MHz	16QAM	19185	15RB#0	19.08	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.45	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.43	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.37	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.44	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.61	PASS
Band2	5MHz	QPSK	18625	12RB#13	20.45	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.49	PASS
Band2	5MHz	QPSK	18900	1RB#0	21.37	PASS
Band2	5MHz	QPSK	18900	1RB#12	21.22	PASS
Band2	5MHz	QPSK	18900	1RB#24	21.31	PASS
Band2	5MHz	QPSK	18900	12RB#0	20.29	PASS
Band2	5MHz	QPSK	18900	12RB#6	20.38	PASS
Band2	5MHz	QPSK	18900	12RB#13	20.26	PASS
Band2	5MHz	QPSK	18900	25RB#0	20.29	PASS
Band2	5MHz	QPSK	19175	1RB#0	20.93	PASS
Band2	5MHz	QPSK	19175	1RB#12	20.98	PASS

Band2	5MHz	QPSK	19175	1RB#24	20.96	PASS
Band2	5MHz	QPSK	19175	12RB#0	20.09	PASS
Band2	5MHz	QPSK	19175	12RB#6	20.07	PASS
Band2	5MHz	QPSK	19175	12RB#13	20.07	PASS
Band2	5MHz	QPSK	19175	25RB#0	20.13	PASS
Band2	5MHz	16QAM	18625	1RB#0	20.03	PASS
Band2	5MHz	16QAM	18625	1RB#12	19.90	PASS
Band2	5MHz	16QAM	18625	1RB#24	19.84	PASS
Band2	5MHz	16QAM	18625	12RB#0	19.56	PASS
Band2	5MHz	16QAM	18625	12RB#6	19.56	PASS
Band2	5MHz	16QAM	18625	12RB#13	19.60	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.72	PASS
Band2	5MHz	16QAM	18900	1RB#0	19.79	PASS
Band2	5MHz	16QAM	18900	1RB#12	19.71	PASS
Band2	5MHz	16QAM	18900	1RB#24	19.84	PASS
Band2	5MHz	16QAM	18900	12RB#0	19.37	PASS
Band2	5MHz	16QAM	18900	12RB#6	19.33	PASS
Band2	5MHz	16QAM	18900	12RB#13	19.33	PASS
Band2	5MHz	16QAM	18900	25RB#0	19.44	PASS
Band2	5MHz	16QAM	19175	1RB#0	20.26	PASS
Band2	5MHz	16QAM	19175	1RB#12	20.39	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.33	PASS
Band2	5MHz	16QAM	19175	12RB#0	19.35	PASS
Band2	5MHz	16QAM	19175	12RB#6	19.17	PASS
Band2	5MHz	16QAM	19175	12RB#13	19.22	PASS
Band2	5MHz	16QAM	19175	25RB#0	19.19	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.45	PASS
Band2	10MHz	QPSK	18650	1RB#24	21.37	PASS
Band2	10MHz	QPSK	18650	1RB#49	21.39	PASS
Band2	10MHz	QPSK	18650	25RB#0	20.62	PASS
Band2	10MHz	QPSK	18650	25RB#12	20.55	PASS
Band2	10MHz	QPSK	18650	25RB#25	20.33	PASS
Band2	10MHz	QPSK	18650	50RB#0	20.50	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.43	PASS
Band2	10MHz	QPSK	18900	1RB#24	21.20	PASS

Band2	10MHz	QPSK	18900	1RB#49	21.27	PASS
Band2	10MHz	QPSK	18900	25RB#0	20.35	PASS
Band2	10MHz	QPSK	18900	25RB#12	20.34	PASS
Band2	10MHz	QPSK	18900	25RB#25	20.29	PASS
Band2	10MHz	QPSK	18900	50RB#0	20.22	PASS
Band2	10MHz	QPSK	19150	1RB#0	21.01	PASS
Band2	10MHz	QPSK	19150	1RB#24	20.93	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.03	PASS
Band2	10MHz	QPSK	19150	25RB#0	20.18	PASS
Band2	10MHz	QPSK	19150	25RB#12	20.10	PASS
Band2	10MHz	QPSK	19150	25RB#25	20.16	PASS
Band2	10MHz	QPSK	19150	50RB#0	20.17	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.65	PASS
Band2	10MHz	16QAM	18650	1RB#24	20.51	PASS
Band2	10MHz	16QAM	18650	1RB#49	20.43	PASS
Band2	10MHz	16QAM	18650	25RB#0	19.62	PASS
Band2	10MHz	16QAM	18650	25RB#12	19.64	PASS
Band2	10MHz	16QAM	18650	25RB#25	19.44	PASS
Band2	10MHz	16QAM	18650	50RB#0	19.46	PASS
Band2	10MHz	16QAM	18900	1RB#0	20.51	PASS
Band2	10MHz	16QAM	18900	1RB#24	20.30	PASS
Band2	10MHz	16QAM	18900	1RB#49	20.41	PASS
Band2	10MHz	16QAM	18900	25RB#0	19.47	PASS
Band2	10MHz	16QAM	18900	25RB#12	19.48	PASS
Band2	10MHz	16QAM	18900	25RB#25	19.46	PASS
Band2	10MHz	16QAM	18900	50RB#0	19.29	PASS
Band2	10MHz	16QAM	19150	1RB#0	20.07	PASS
Band2	10MHz	16QAM	19150	1RB#24	20.03	PASS
Band2	10MHz	16QAM	19150	1RB#49	20.07	PASS
Band2	10MHz	16QAM	19150	25RB#0	19.38	PASS
Band2	10MHz	16QAM	19150	25RB#12	19.37	PASS
Band2	10MHz	16QAM	19150	25RB#25	19.22	PASS
Band2	10MHz	16QAM	19150	50RB#0	19.25	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.49	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.41	PASS

Band2	15MHz	QPSK	18675	1RB#74	21.42	PASS
Band2	15MHz	QPSK	18675	38RB#0	20.33	PASS
Band2	15MHz	QPSK	18675	38RB#18	20.47	PASS
Band2	15MHz	QPSK	18675	38RB#37	20.47	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.46	PASS
Band2	15MHz	QPSK	18900	1RB#0	21.37	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.14	PASS
Band2	15MHz	QPSK	18900	1RB#74	21.33	PASS
Band2	15MHz	QPSK	18900	38RB#0	20.26	PASS
Band2	15MHz	QPSK	18900	38RB#18	20.34	PASS
Band2	15MHz	QPSK	18900	38RB#37	20.34	PASS
Band2	15MHz	QPSK	18900	75RB#0	20.35	PASS
Band2	15MHz	QPSK	19125	1RB#0	21.19	PASS
Band2	15MHz	QPSK	19125	1RB#38	20.98	PASS
Band2	15MHz	QPSK	19125	1RB#74	20.94	PASS
Band2	15MHz	QPSK	19125	38RB#0	20.19	PASS
Band2	15MHz	QPSK	19125	38RB#18	20.14	PASS
Band2	15MHz	QPSK	19125	38RB#37	20.14	PASS
Band2	15MHz	QPSK	19125	75RB#0	20.13	PASS
Band2	15MHz	16QAM	18675	1RB#0	20.68	PASS
Band2	15MHz	16QAM	18675	1RB#38	20.45	PASS
Band2	15MHz	16QAM	18675	1RB#74	20.44	PASS
Band2	15MHz	16QAM	18675	38RB#0	20.46	PASS
Band2	15MHz	16QAM	18675	38RB#18	20.47	PASS
Band2	15MHz	16QAM	18675	38RB#37	20.46	PASS
Band2	15MHz	16QAM	18675	75RB#0	19.52	PASS
Band2	15MHz	16QAM	18900	1RB#0	20.53	PASS
Band2	15MHz	16QAM	18900	1RB#38	20.20	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.57	PASS
Band2	15MHz	16QAM	18900	38RB#0	20.25	PASS
Band2	15MHz	16QAM	18900	38RB#18	20.34	PASS
Band2	15MHz	16QAM	18900	38RB#37	20.34	PASS
Band2	15MHz	16QAM	18900	75RB#0	19.27	PASS
Band2	15MHz	16QAM	19125	1RB#0	20.44	PASS
Band2	15MHz	16QAM	19125	1RB#38	20.15	PASS

Band2	15MHz	16QAM	19125	1RB#74	20.20	PASS
Band2	15MHz	16QAM	19125	38RB#0	20.15	PASS
Band2	15MHz	16QAM	19125	38RB#18	20.14	PASS
Band2	15MHz	16QAM	19125	38RB#37	20.13	PASS
Band2	15MHz	16QAM	19125	75RB#0	19.21	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.69	PASS
Band2	20MHz	QPSK	18700	1RB#49	21.58	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.62	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.42	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.55	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.37	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.35	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.48	PASS
Band2	20MHz	QPSK	18900	1RB#49	21.31	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.62	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.45	PASS
Band2	20MHz	QPSK	18900	50RB#25	20.54	PASS
Band2	20MHz	QPSK	18900	50RB#50	20.48	PASS
Band2	20MHz	QPSK	18900	100RB#0	20.30	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.66	PASS
Band2	20MHz	QPSK	19100	1RB#49	21.26	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.23	PASS
Band2	20MHz	QPSK	19100	50RB#0	20.40	PASS
Band2	20MHz	QPSK	19100	50RB#25	20.40	PASS
Band2	20MHz	QPSK	19100	50RB#50	20.17	PASS
Band2	20MHz	QPSK	19100	100RB#0	20.20	PASS
Band2	20MHz	16QAM	18700	1RB#0	20.61	PASS
Band2	20MHz	16QAM	18700	1RB#49	20.46	PASS
Band2	20MHz	16QAM	18700	1RB#99	20.56	PASS
Band2	20MHz	16QAM	18700	50RB#0	19.61	PASS
Band2	20MHz	16QAM	18700	50RB#25	19.62	PASS
Band2	20MHz	16QAM	18700	50RB#50	19.58	PASS
Band2	20MHz	16QAM	18700	100RB#0	19.49	PASS
Band2	20MHz	16QAM	18900	1RB#0	20.40	PASS
Band2	20MHz	16QAM	18900	1RB#49	20.10	PASS

Band2	20MHz	16QAM	18900	1RB#99	20.54	PASS
Band2	20MHz	16QAM	18900	50RB#0	19.59	PASS
Band2	20MHz	16QAM	18900	50RB#25	19.58	PASS
Band2	20MHz	16QAM	18900	50RB#50	19.54	PASS
Band2	20MHz	16QAM	18900	100RB#0	19.29	PASS
Band2	20MHz	16QAM	19100	1RB#0	20.92	PASS
Band2	20MHz	16QAM	19100	1RB#49	20.49	PASS
Band2	20MHz	16QAM	19100	1RB#99	20.45	PASS
Band2	20MHz	16QAM	19100	50RB#0	19.41	PASS
Band2	20MHz	16QAM	19100	50RB#25	19.41	PASS
Band2	20MHz	16QAM	19100	50RB#50	19.25	PASS
Band2	20MHz	16QAM	19100	100RB#0	19.28	PASS

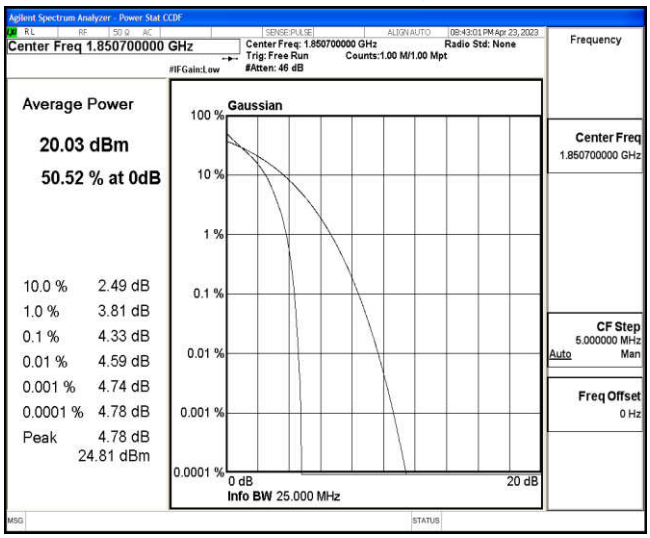
D.2 Peak-to-Average Ratio(CCDF)

Test Result

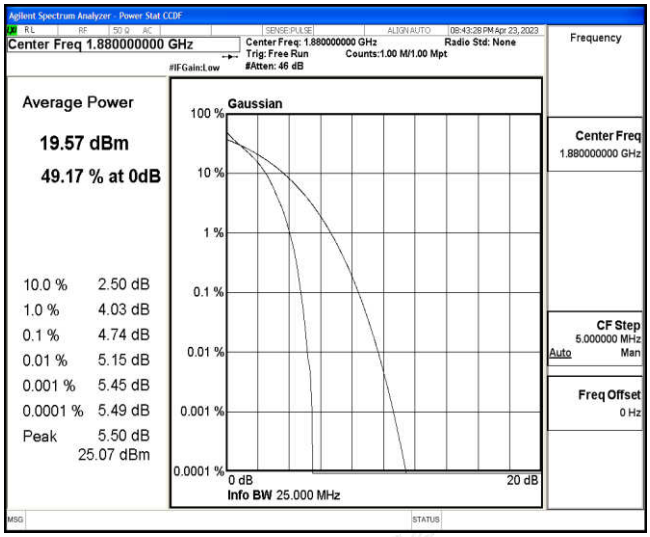
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	4.33	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	4.74	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	3.95	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.03	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.56	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	4.72	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	4.48	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	4.78	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.09	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.25	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.58	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	4.96	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.62	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.77	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.37	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.36	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.48	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.20	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.07	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	4.80	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	4.93	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.82	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.56	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.71	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.59	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.17	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.45	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	6.09	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.71	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.96	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.50	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.07	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.41	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.20	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.85	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	6.09	13	PASS

Test Graphs

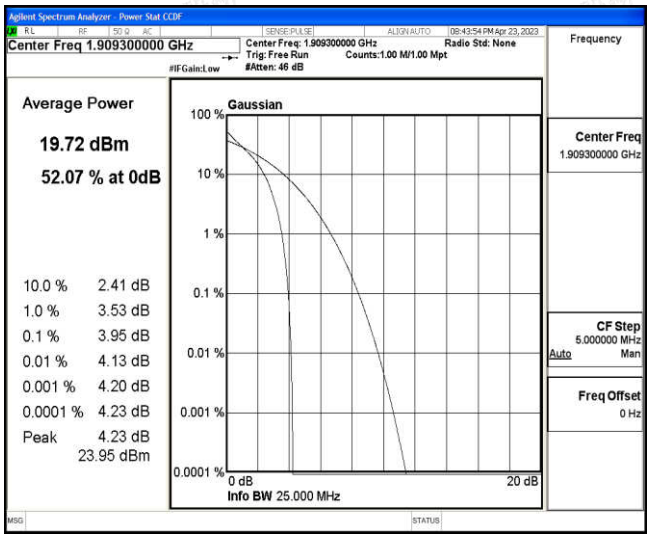
Band2-1.4MHz-QPSK-18607-6RB#0



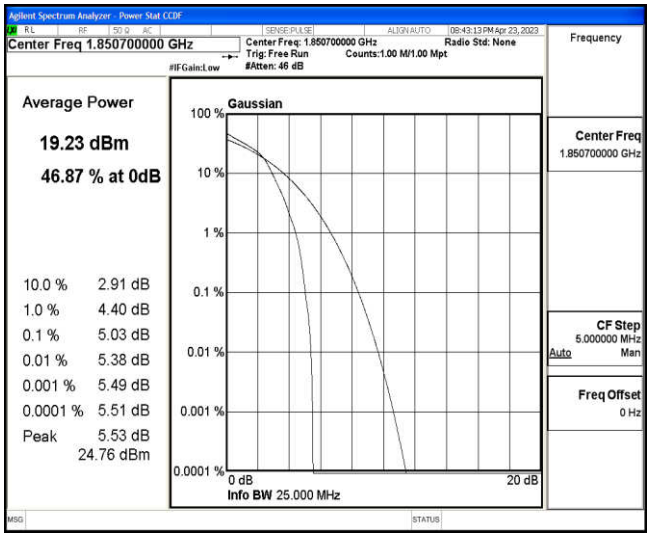
Band2-1.4MHz-QPSK-18900-6RB#0



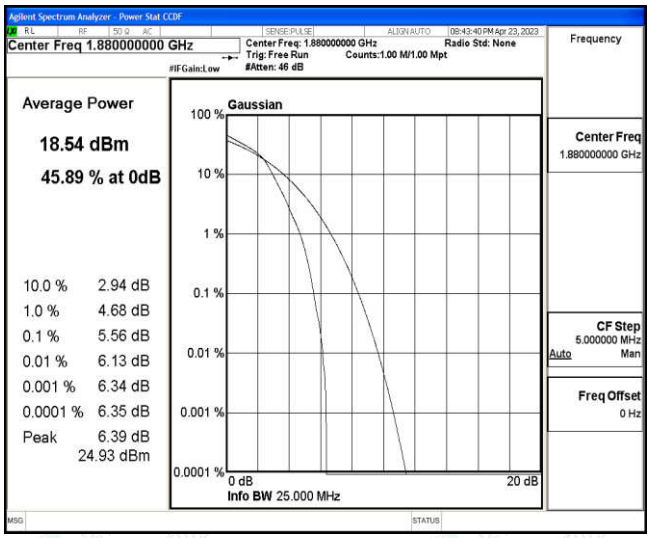
Band2-1.4MHz-QPSK-19193-6RB#0



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



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



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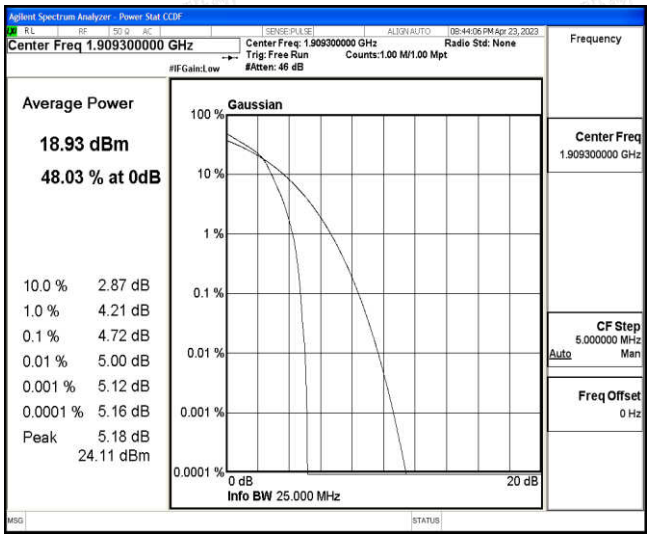
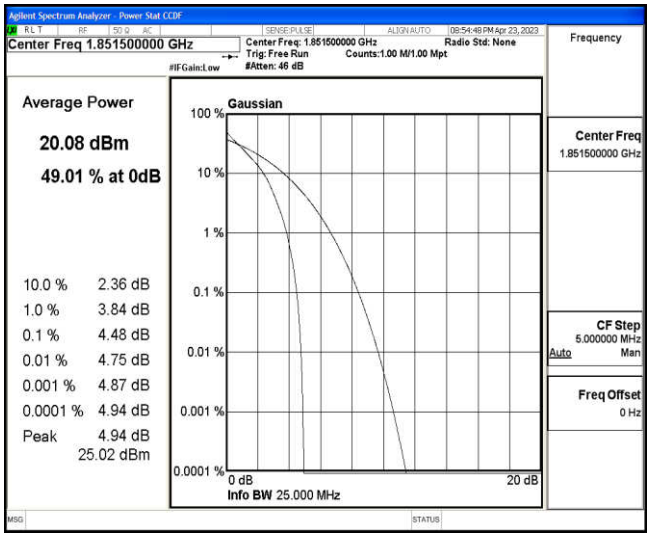


Band2-3MHz-QPSK-18615-15RB#0



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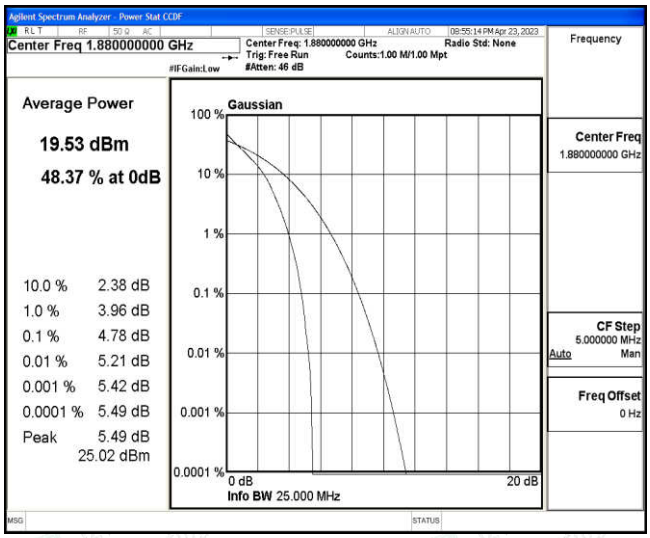
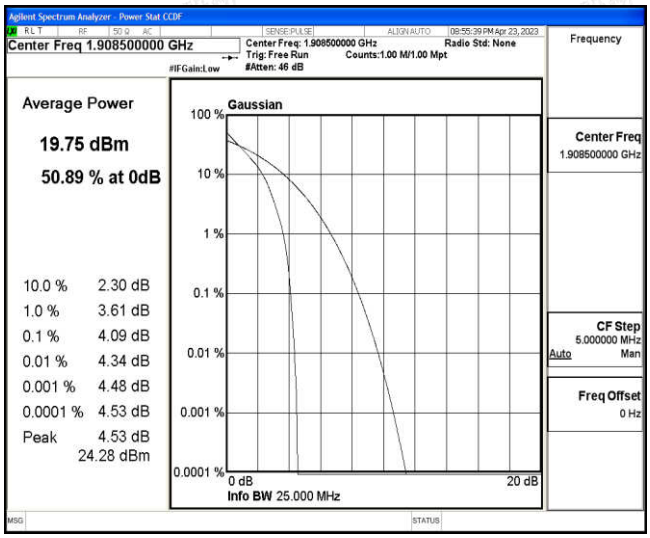


Band2-3MHz-QPSK-19185-15RB#0



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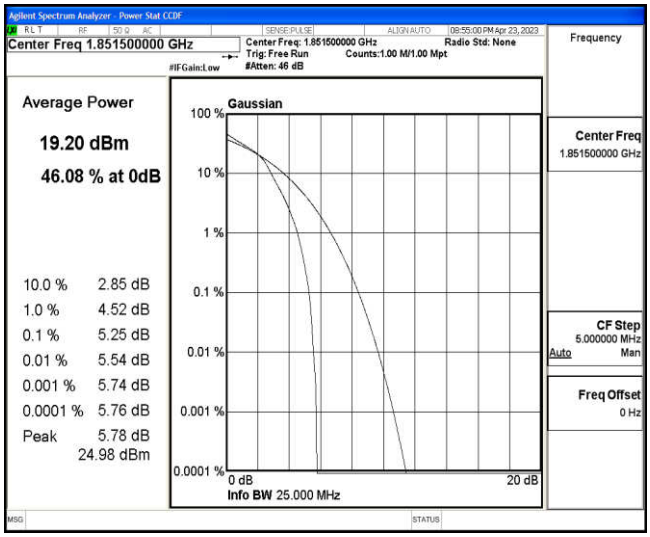

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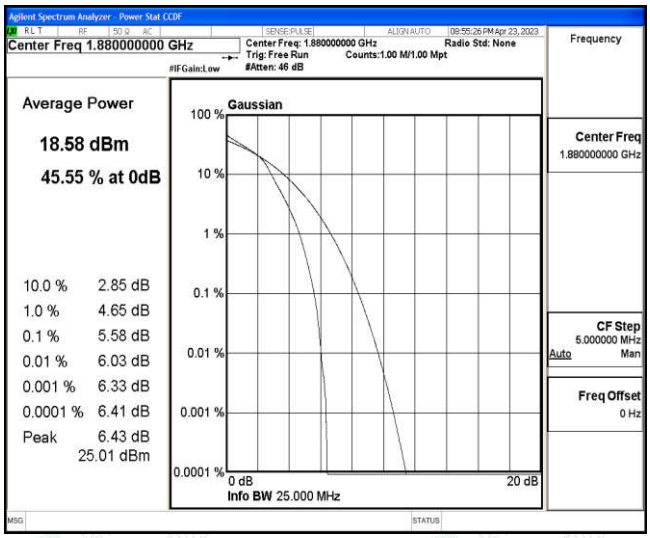

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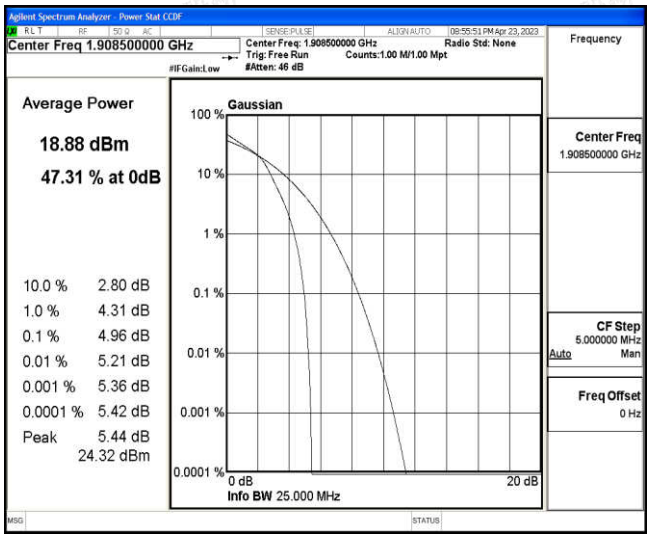

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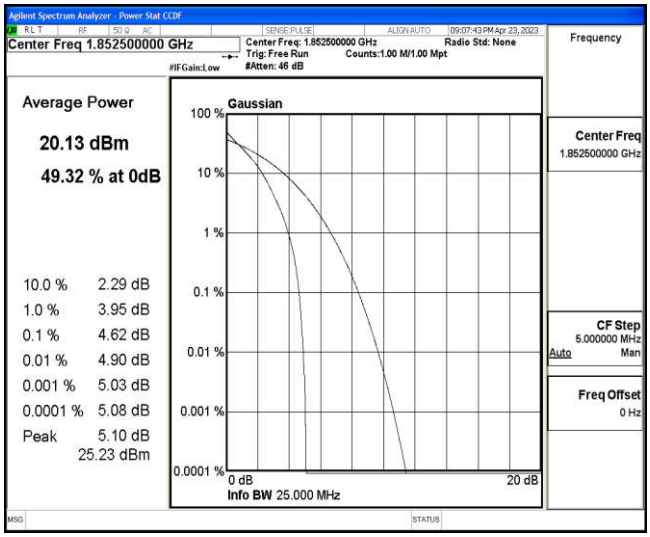

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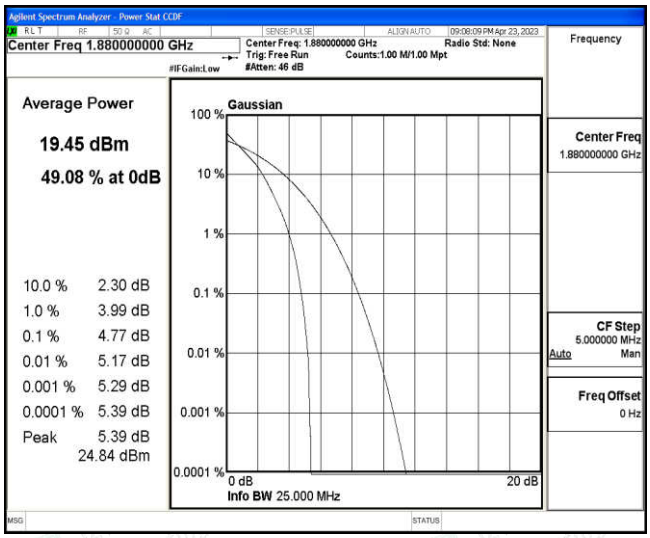

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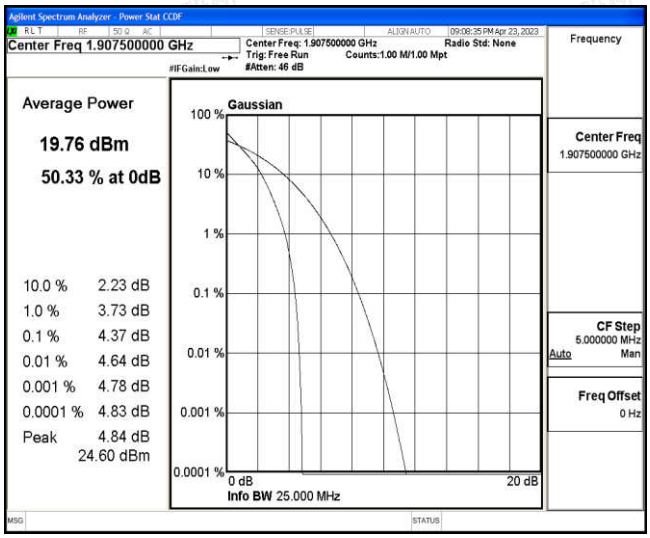
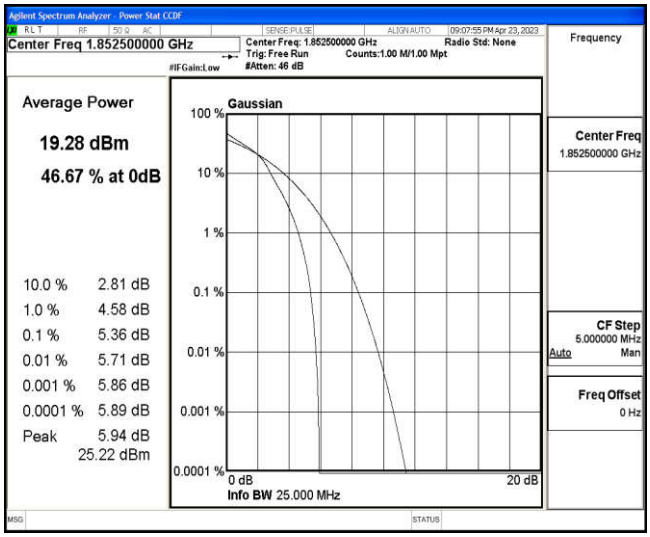


Band2-5MHz-16QAM-18625-25RB#0



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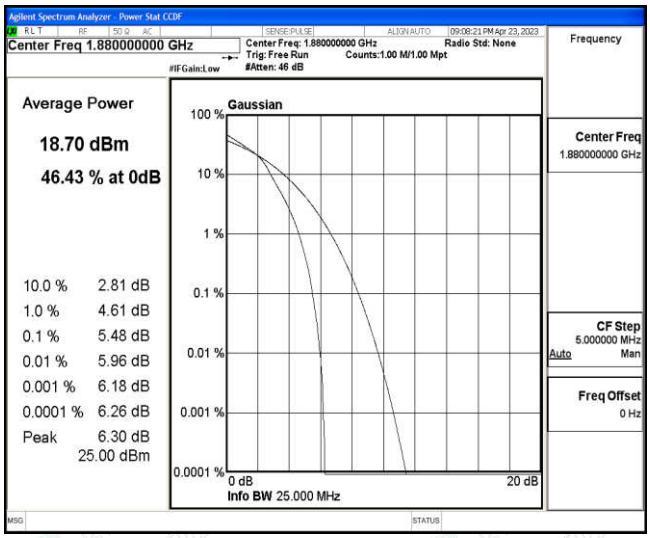

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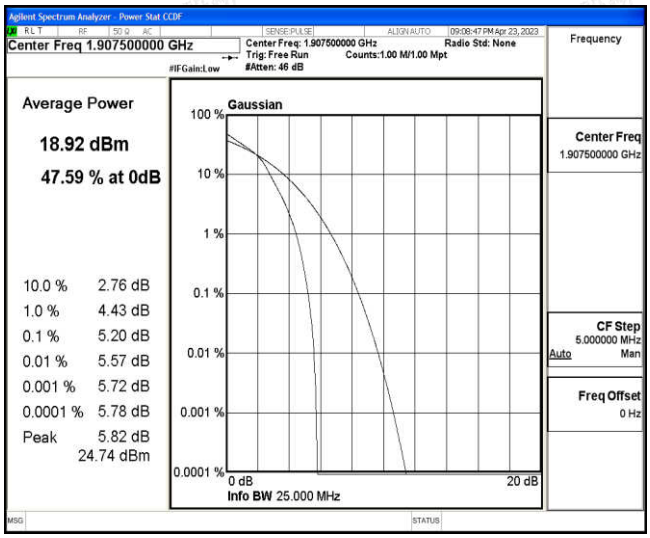
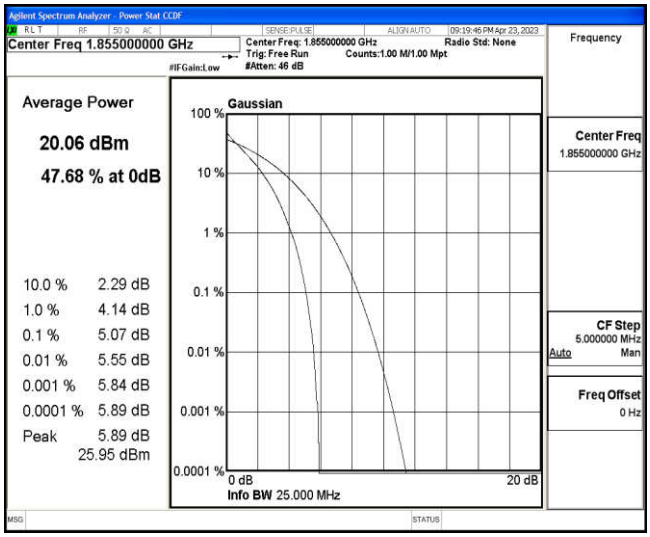
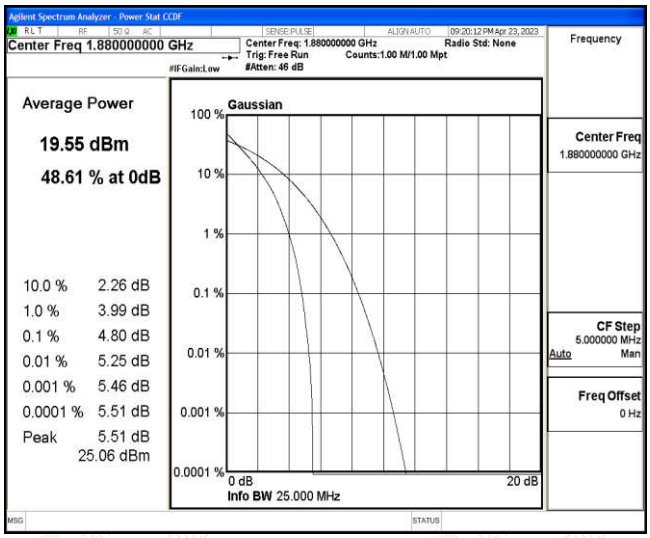


Band2-10MHz-QPSK-18650-50RB#0



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



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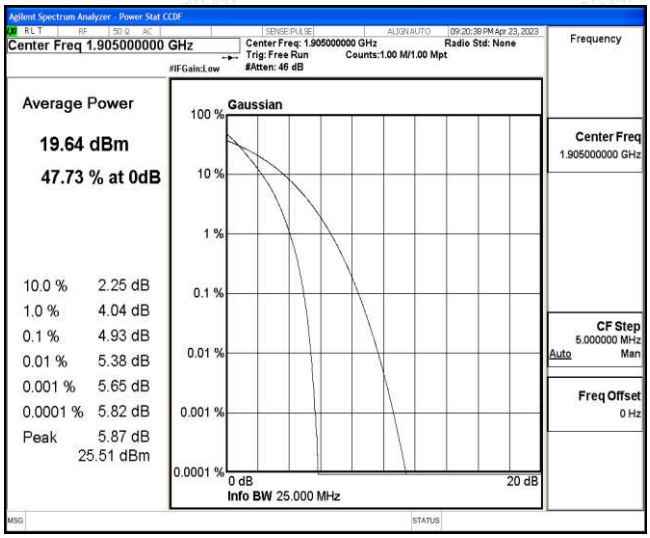

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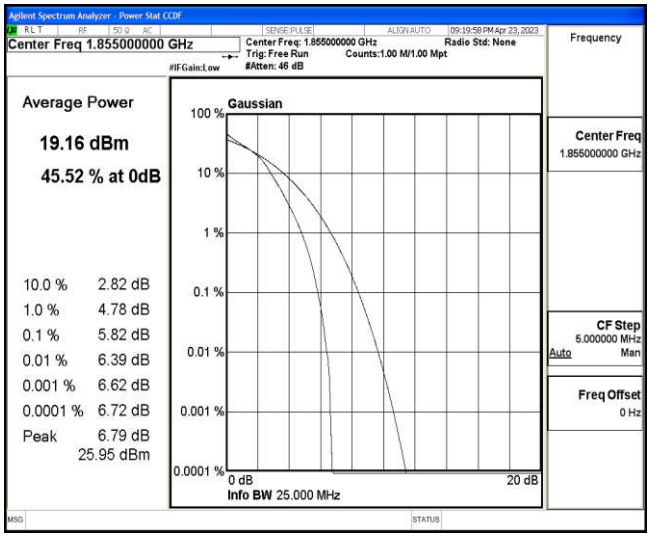

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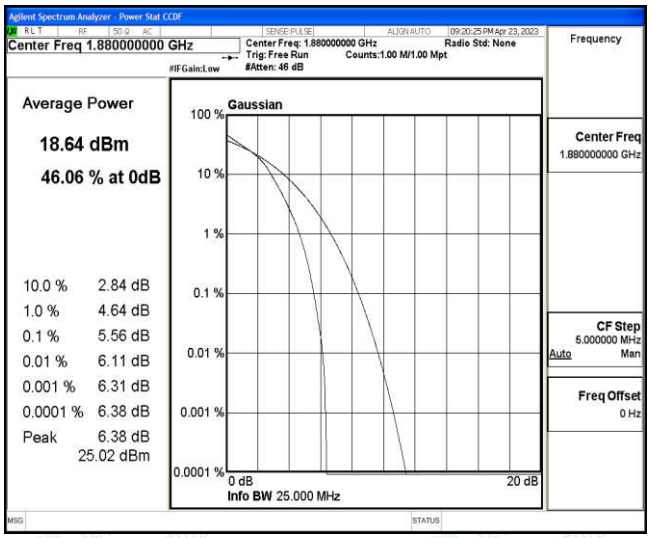

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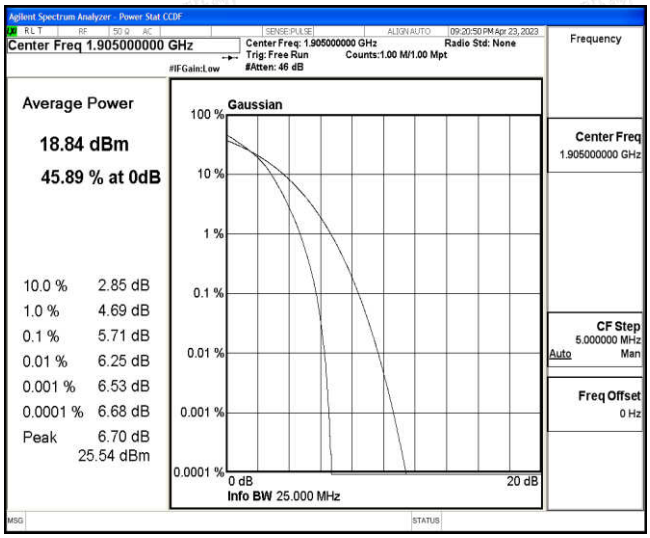
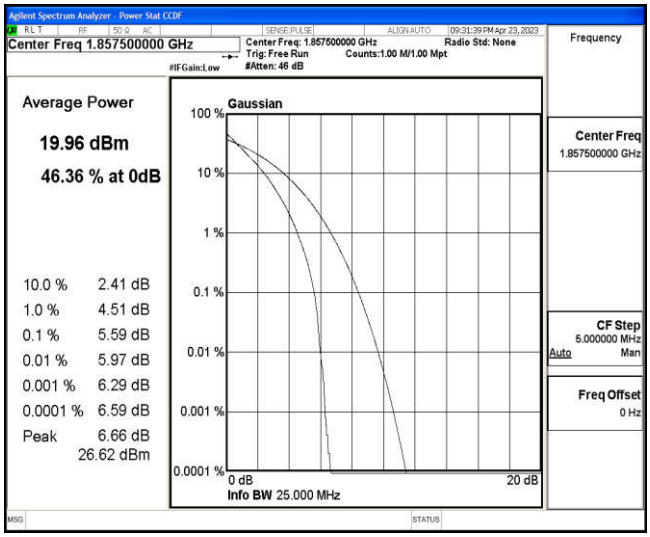
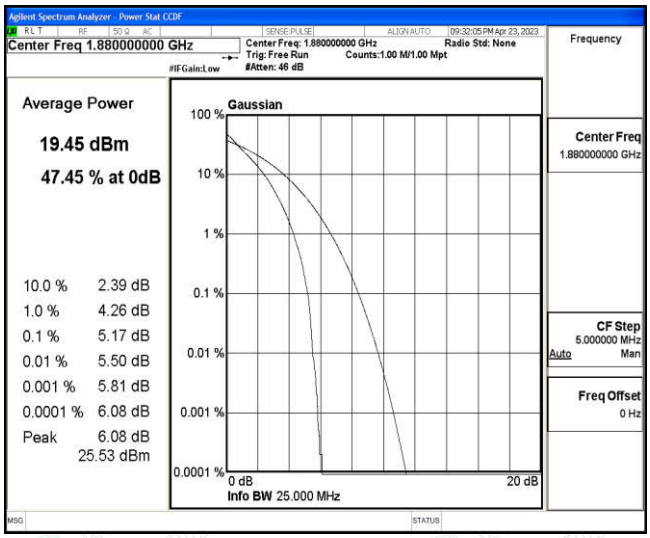


Band2-15MHz-QPSK-18675-75RB#0



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



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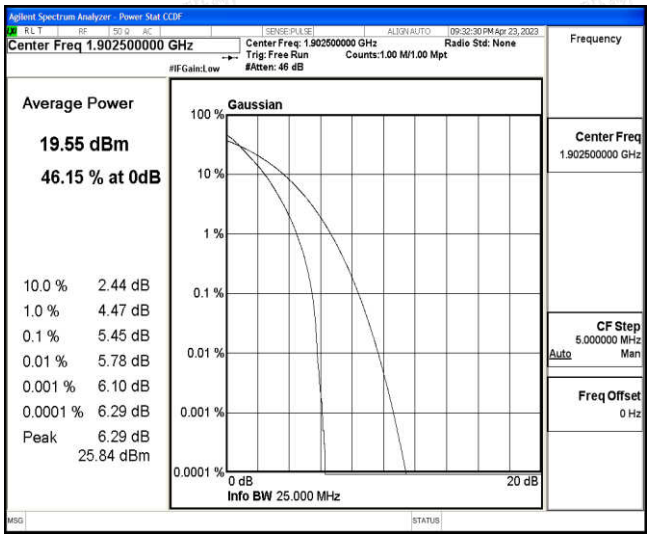

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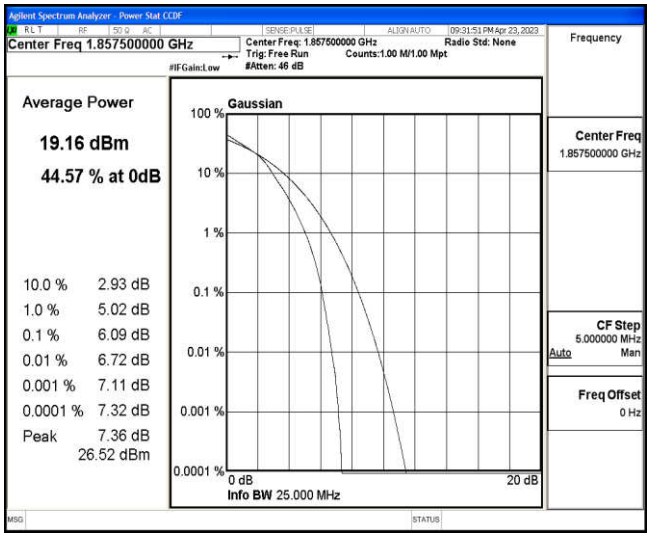

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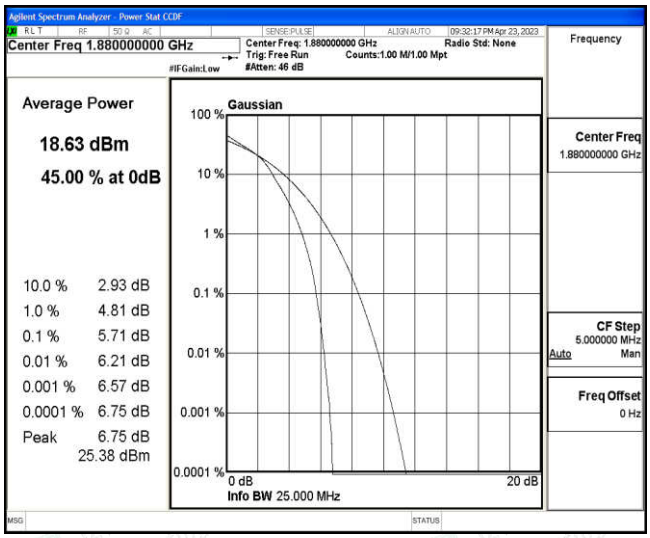

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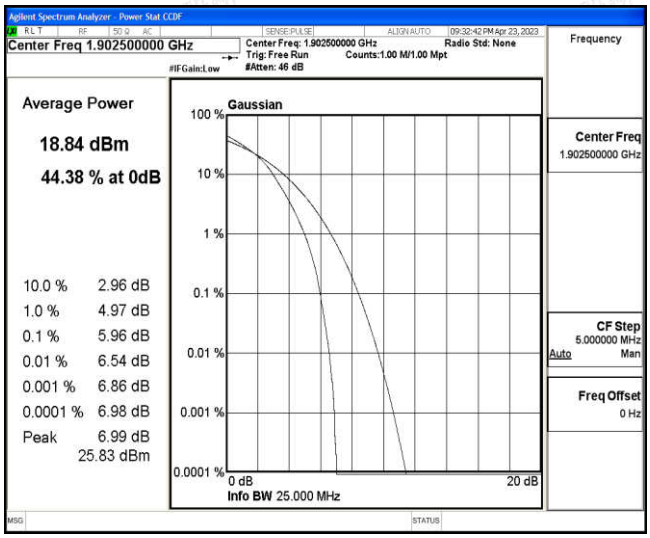

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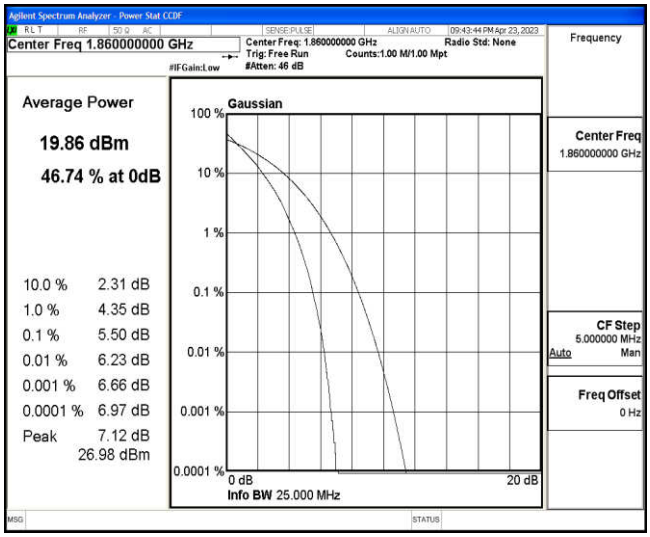
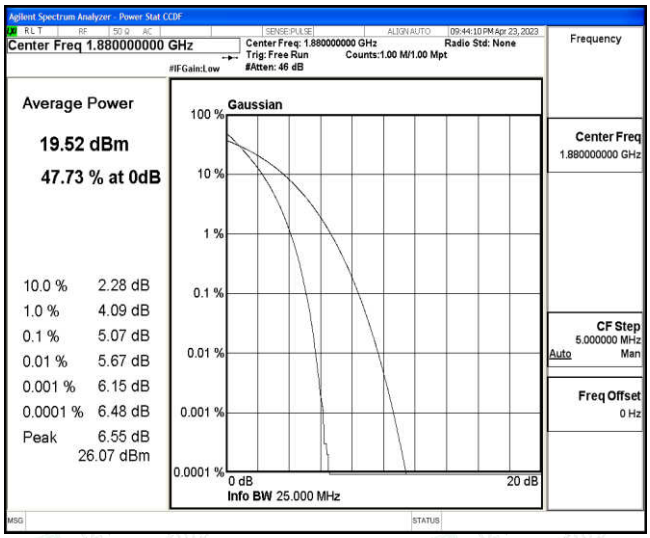
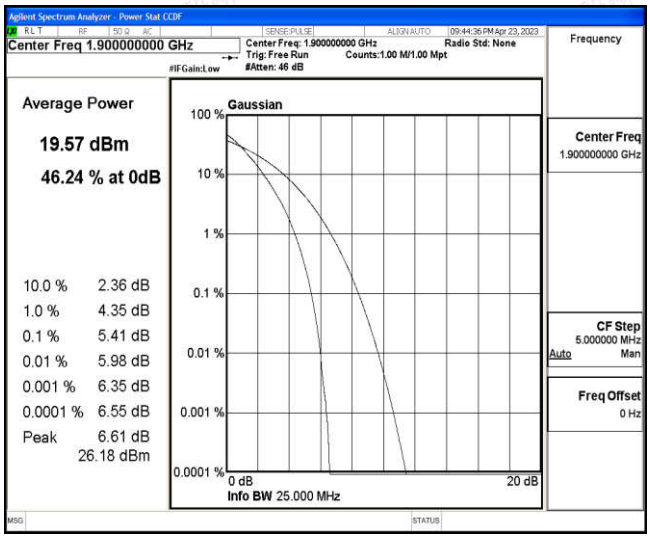


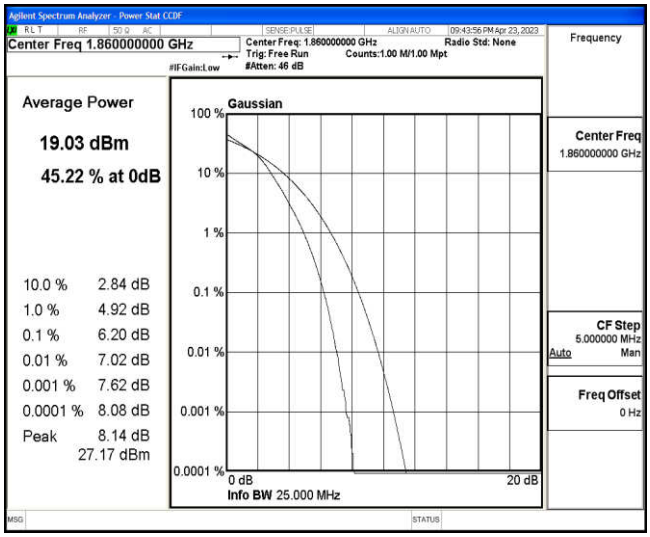
Band2-20MHz-QPSK-18900-100RB#0



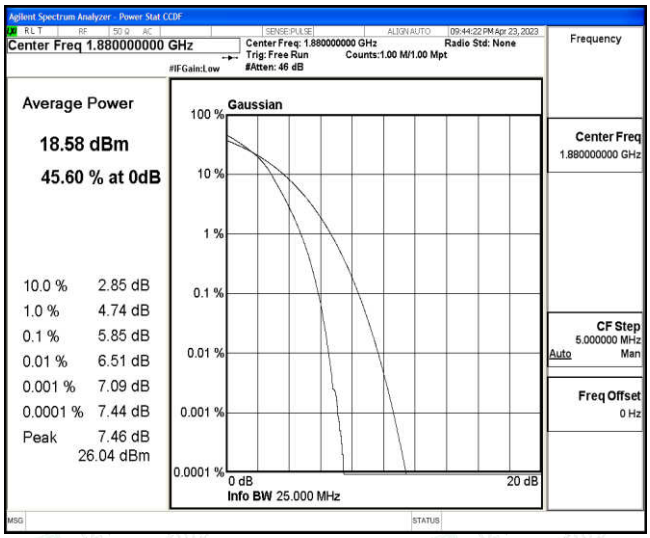
Band2-20MHz-QPSK-19100-100RB#0



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



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



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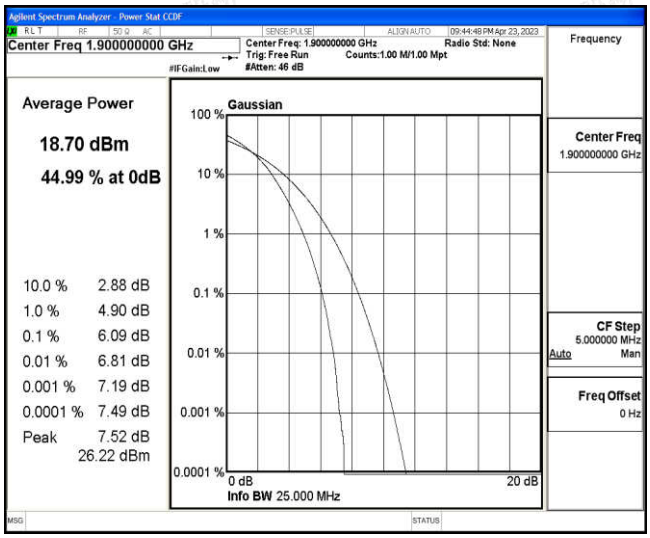

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.900000000 GHz
Center Freq: 1.900000000 GHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
18.70 dBm
44.99 % at 0dB
10.0 % 2.88 dB
1.0 % 4.90 dB
0.1 % 6.09 dB
0.01 % 6.81 dB
0.001 % 7.19 dB
0.0001 % 7.49 dB
Peak 7.52 dB
26.22 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.900000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

D.3 26dB Bandwidth and Occupied Bandwidth

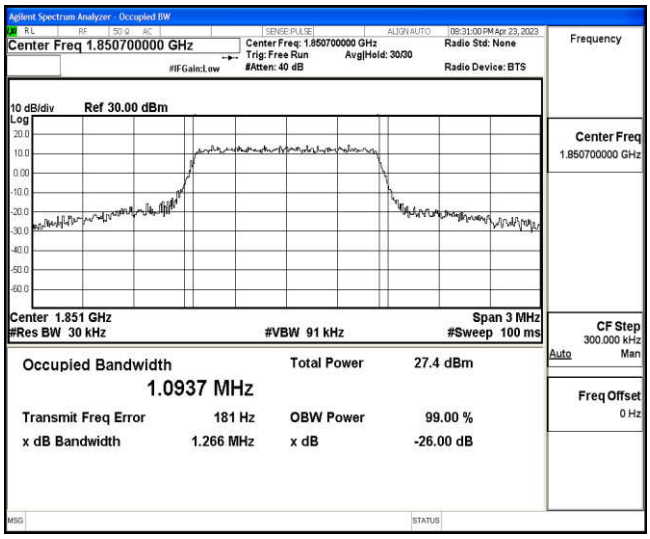
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0937	1.266	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0859	1.257	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0983	1.317	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0993	1.250	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1021	1.259	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1034	1.256	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7105	3.044	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7107	3.039	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7030	3.077	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7233	3.025	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7031	3.048	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7127	3.145	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5231	5.307	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5395	5.300	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5069	5.327	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5137	5.345	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5168	5.288	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5267	5.315	PASS
Band2	10MHz	QPSK	18650	50RB#0	9.0168	10.10	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9738	10.14	PASS
Band2	10MHz	QPSK	19150	50RB#0	9.0136	10.26	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9798	9.887	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9867	10.14	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9993	10.41	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.524	15.58	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.469	15.13	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.521	15.53	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.500	14.86	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.456	14.93	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.527	14.88	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.024	20.10	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.984	19.74	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.115	20.45	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.098	20.41	PASS

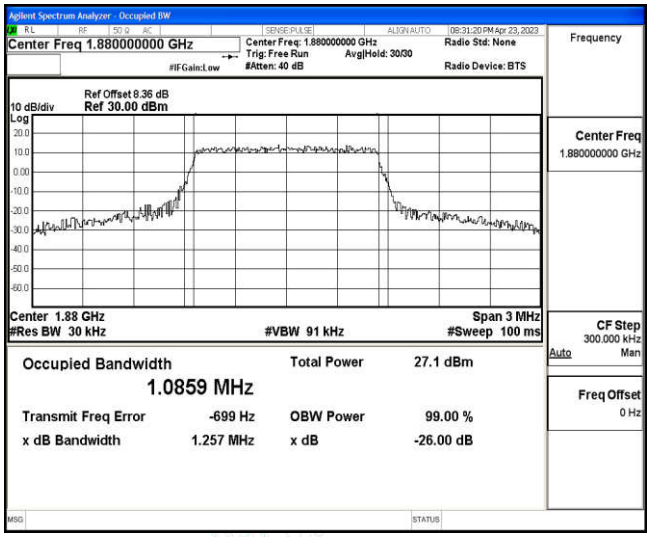
Band2	20MHz	16QAM	18900	100RB#0	17.960	19.86	PASS
Band2	20MHz	16QAM	19100	100RB#0	18.087	20.40	PASS

Test Graphs

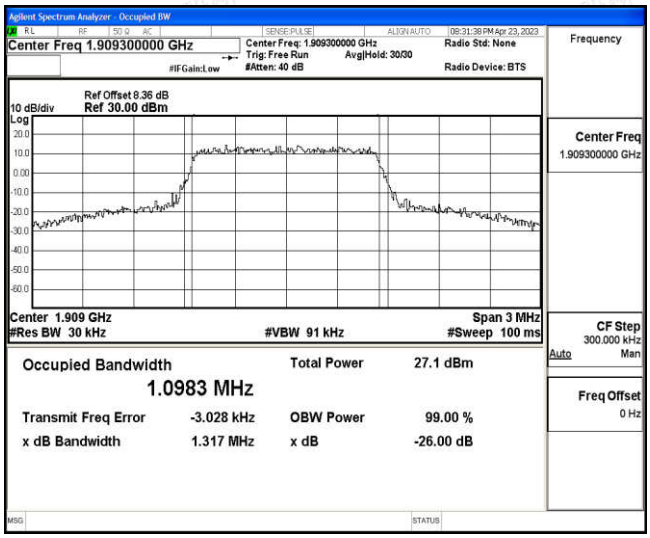
Band2-1.4MHz-QPSK-18607-6RB#0



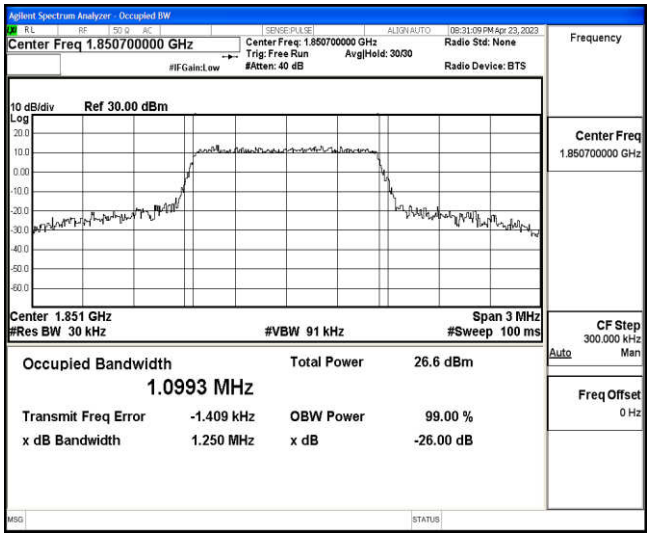
Band2-1.4MHz-QPSK-18900-6RB#0



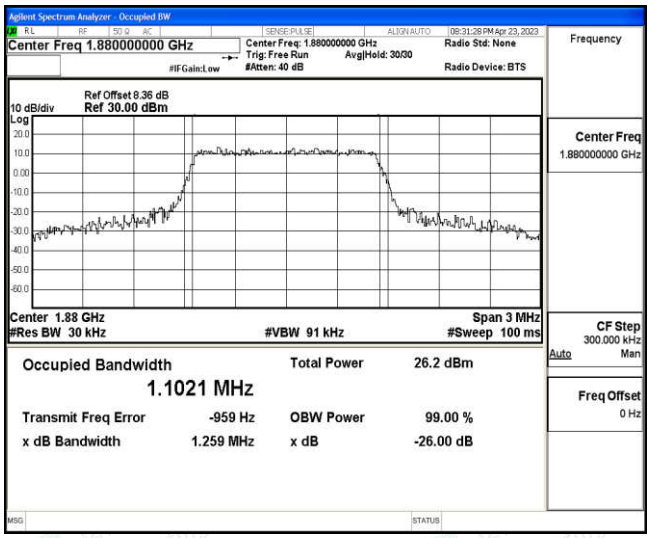
Band2-1.4MHz-QPSK-19193-6RB#0



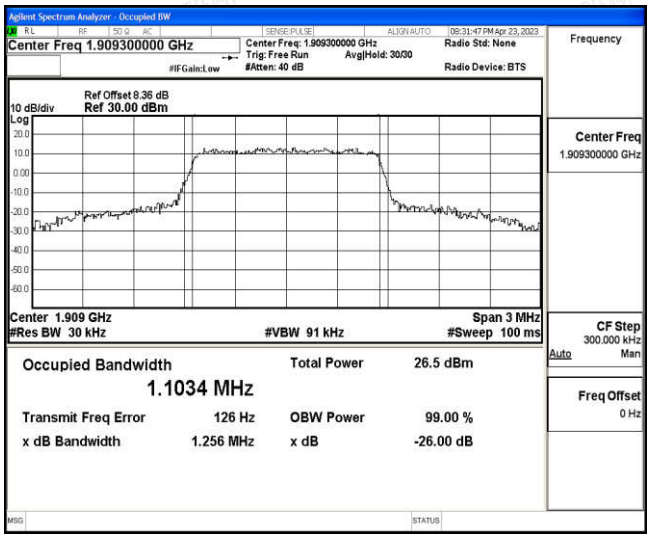
Band2-1.4MHz-16QAM-18607-6RB#0



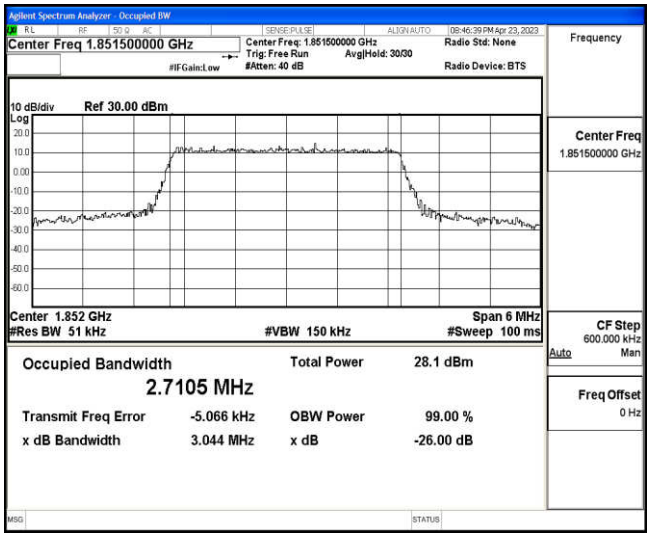
Band2-1.4MHz-16QAM-18900-6RB#0



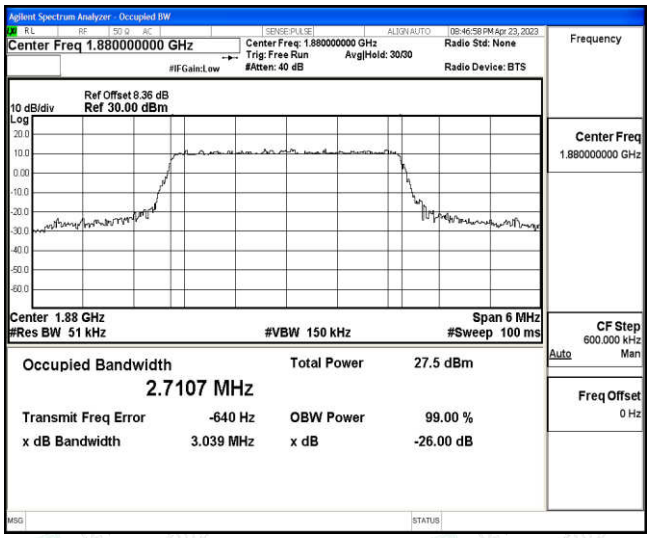
Band2-1.4MHz-16QAM-19193-6RB#0



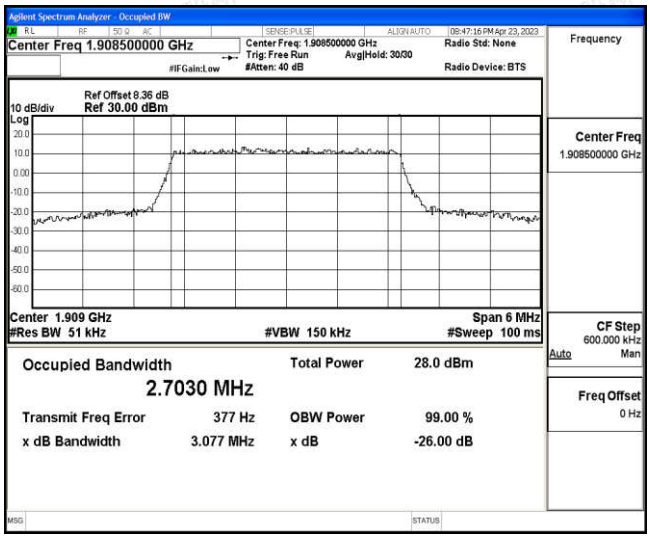
Band2-3MHz-QPSK-18615-15RB#0



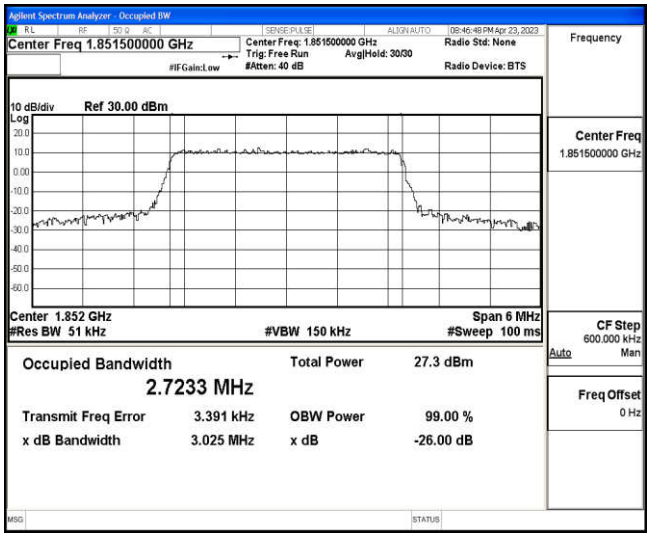
Band2-3MHz-QPSK-18900-15RB#0



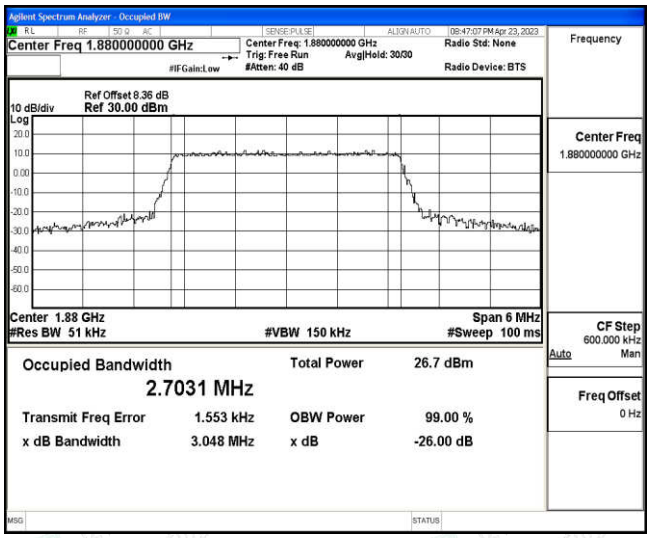
Band2-3MHz-QPSK-19185-15RB#0



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



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



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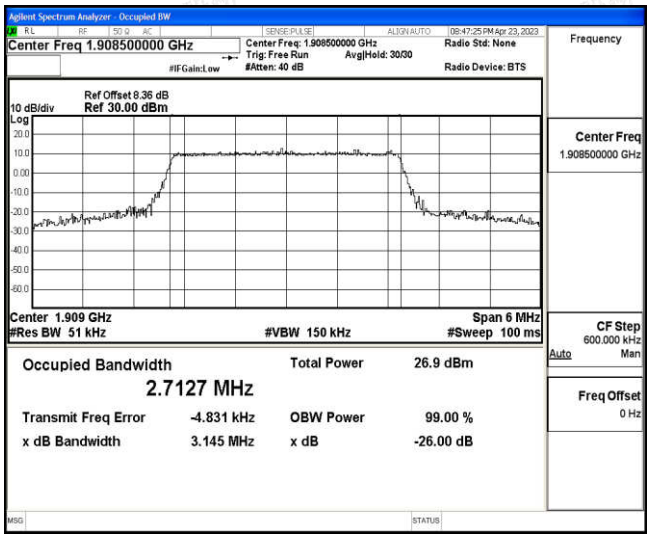
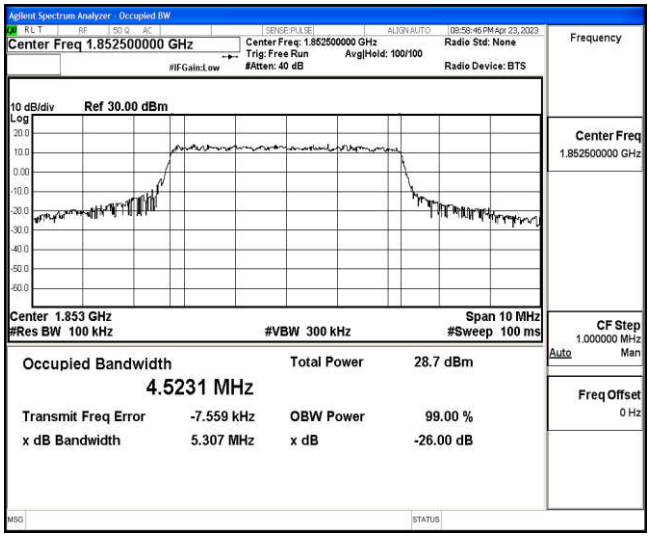
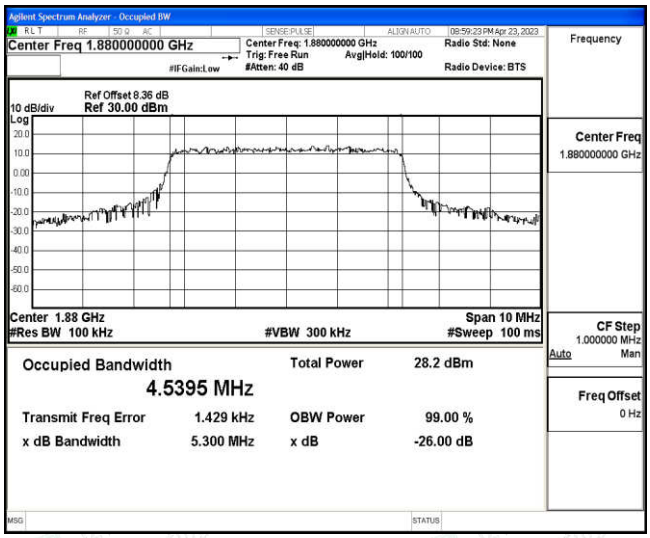


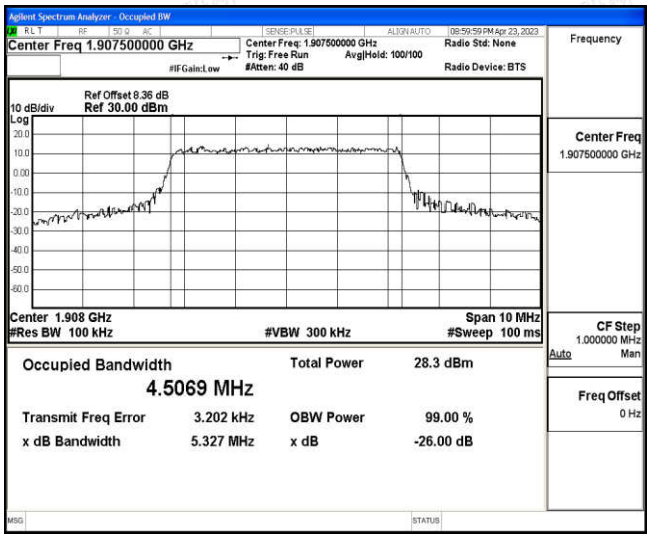
Band2-5MHz-QPSK-18625-25RB#0



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



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



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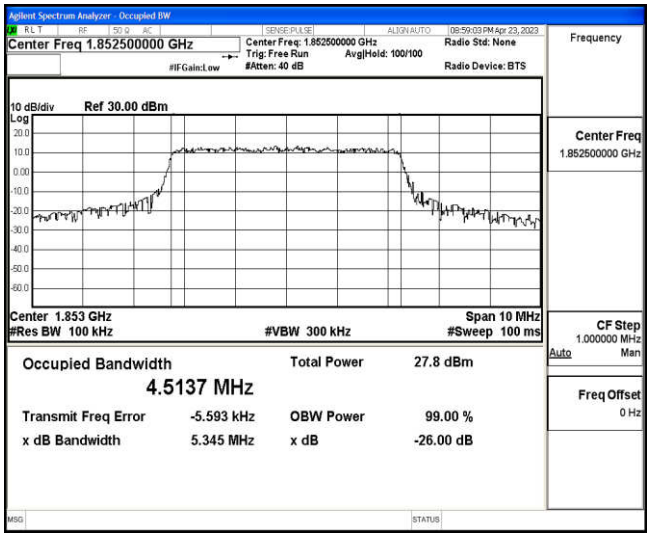
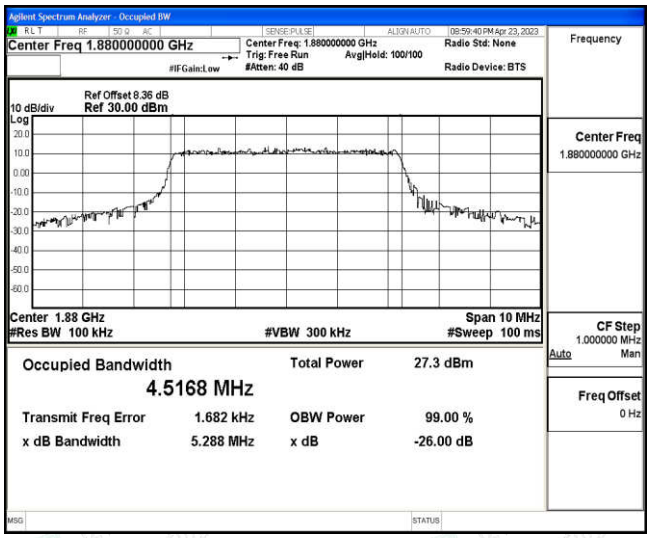
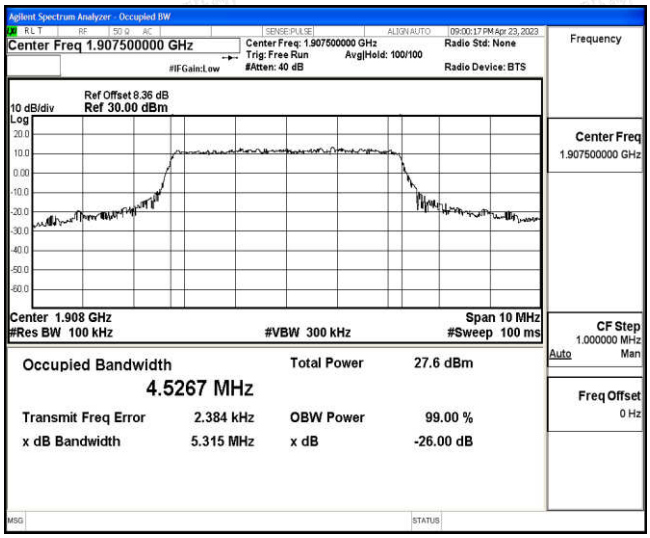


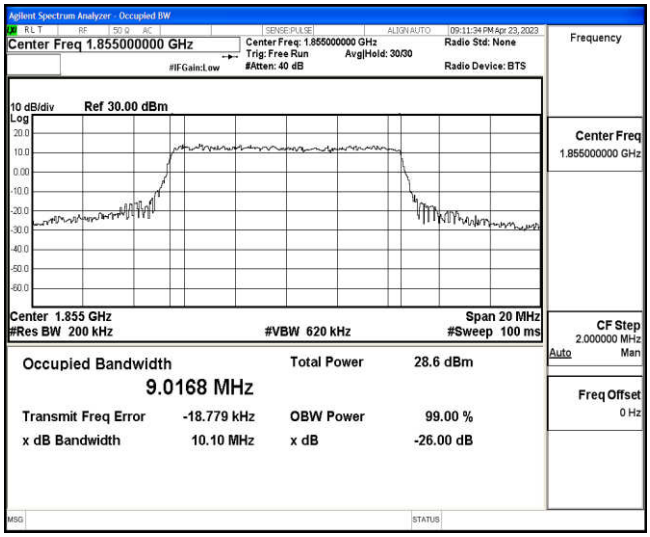
Band2-5MHz-16QAM-18900-25RB#0



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



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



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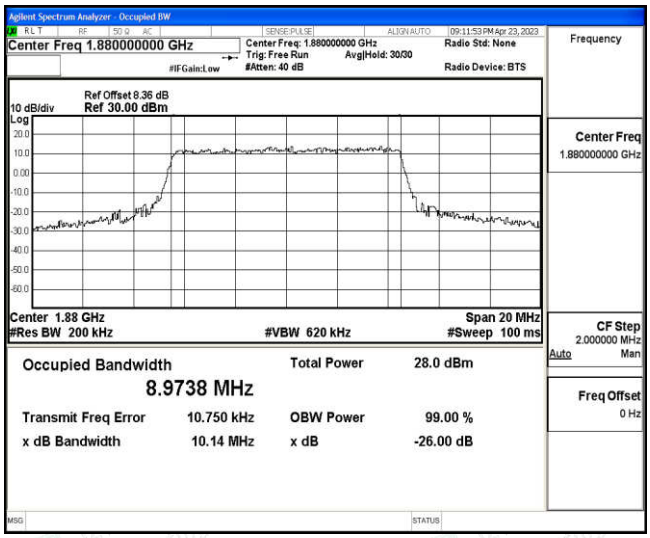
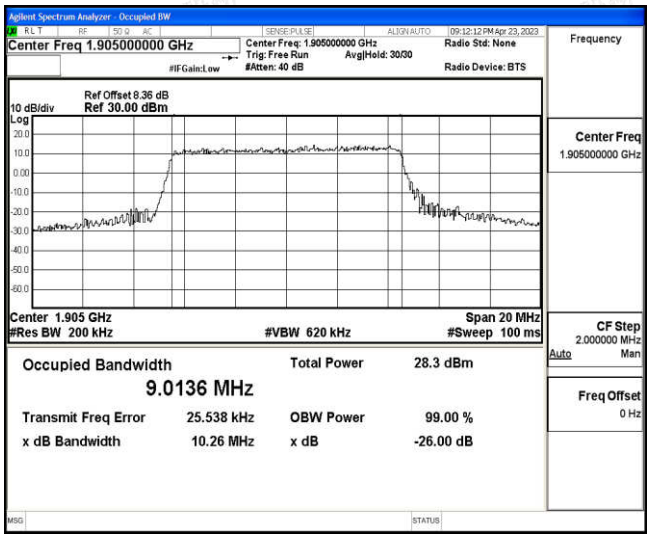
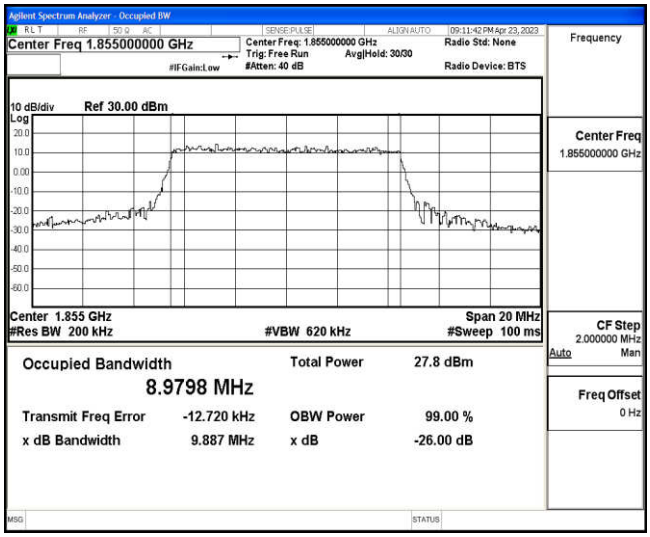


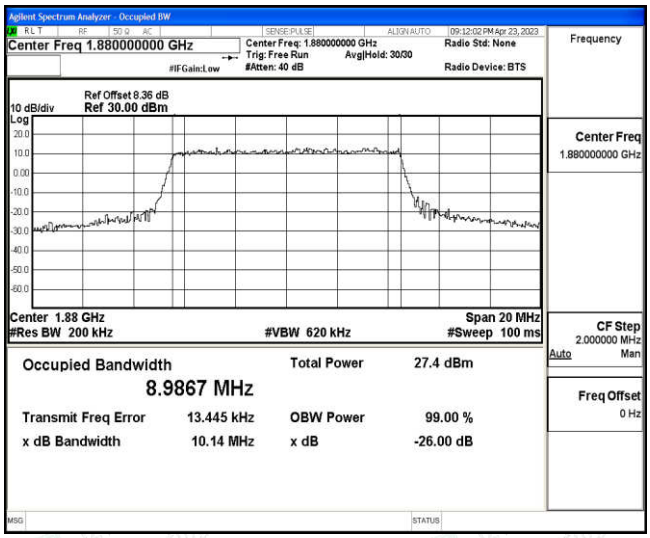
Band2-10MHz-QPSK-19150-50RB#0



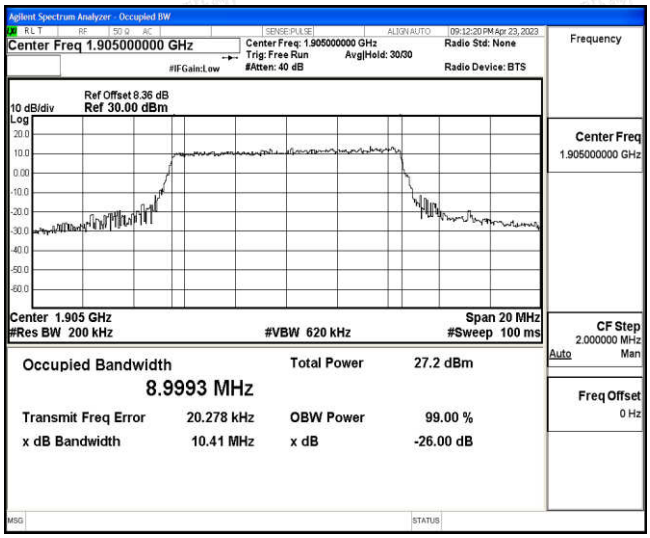
Band2-10MHz-16QAM-18650-50RB#0



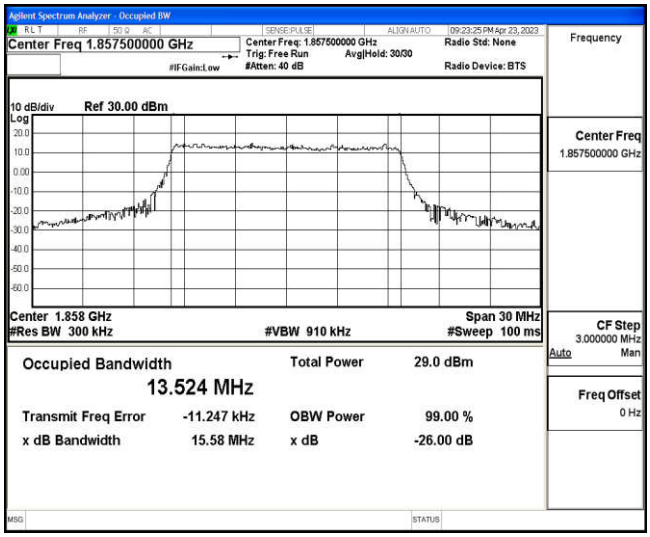
Band2-10MHz-16QAM-18900-50RB#0



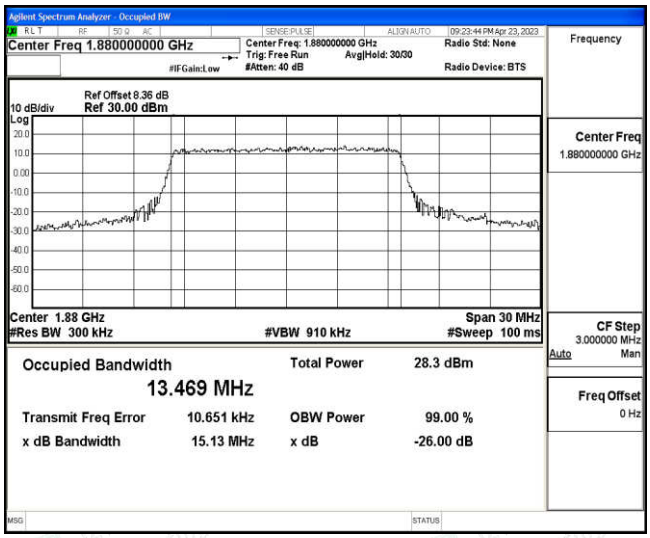
Band2-10MHz-16QAM-19150-50RB#0



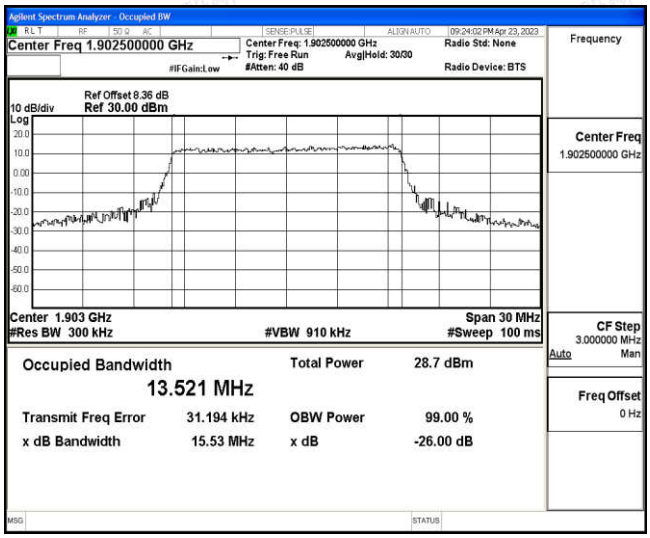
Band2-15MHz-QPSK-18675-75RB#0



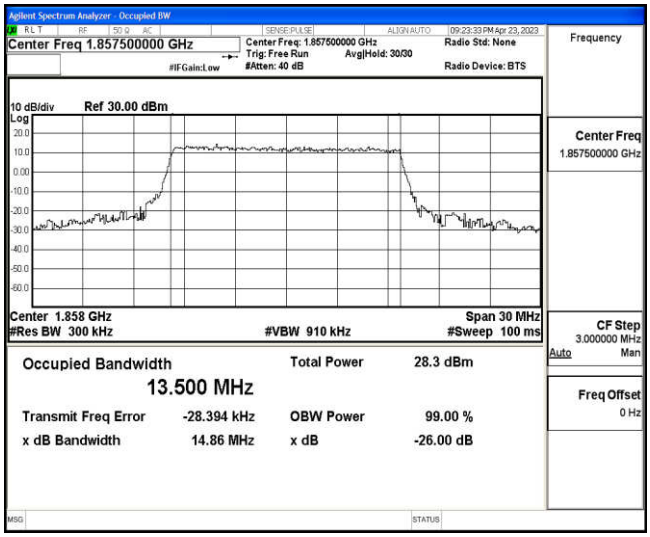
Band2-15MHz-QPSK-18900-75RB#0



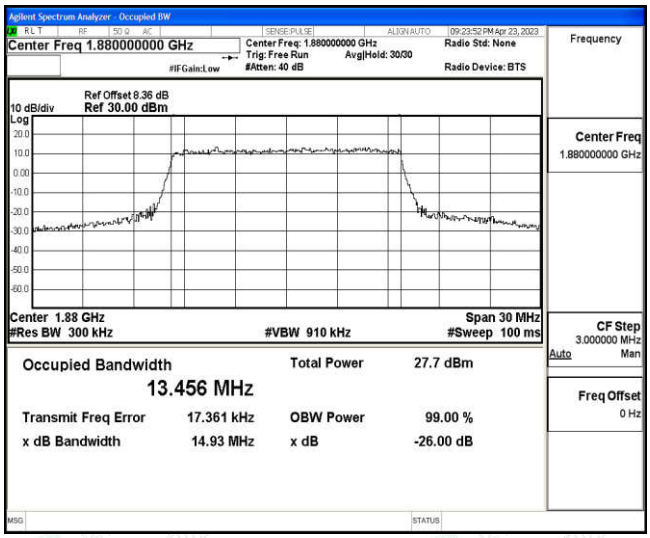
Band2-15MHz-QPSK-19125-75RB#0



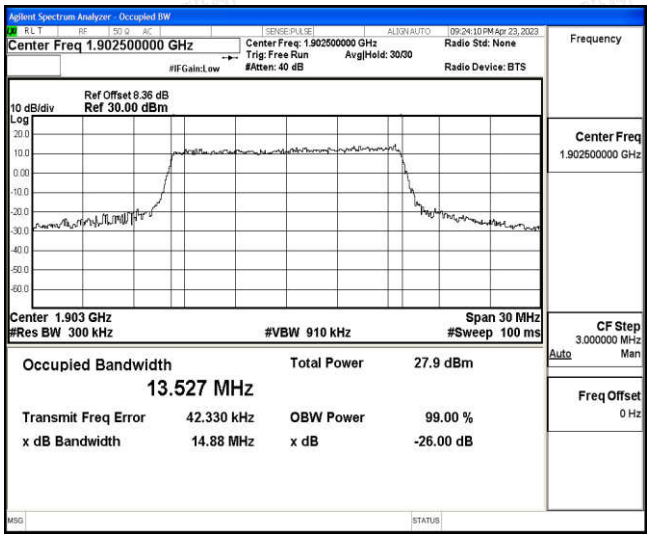
Band2-15MHz-16QAM-18675-75RB#0



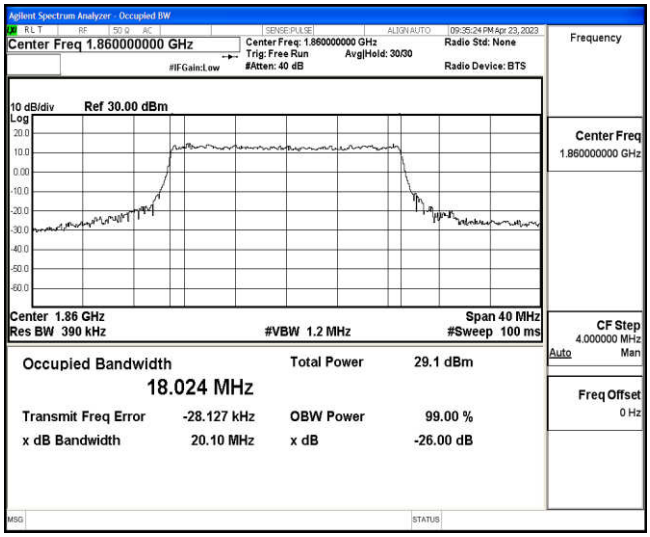
Band2-15MHz-16QAM-18900-75RB#0



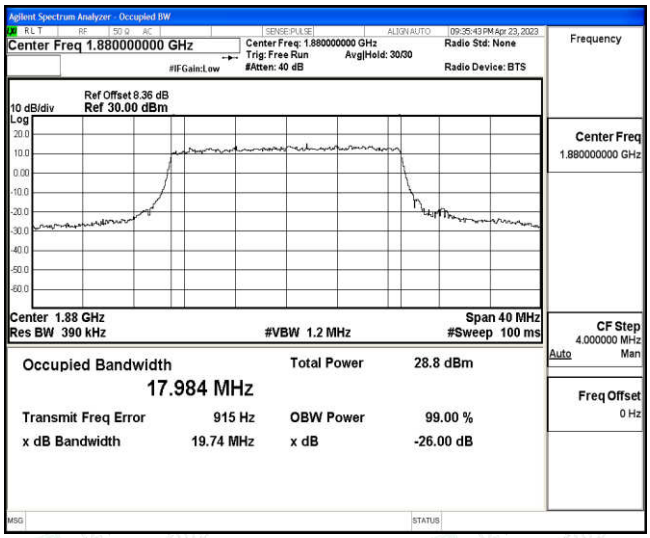
Band2-15MHz-16QAM-19125-75RB#0



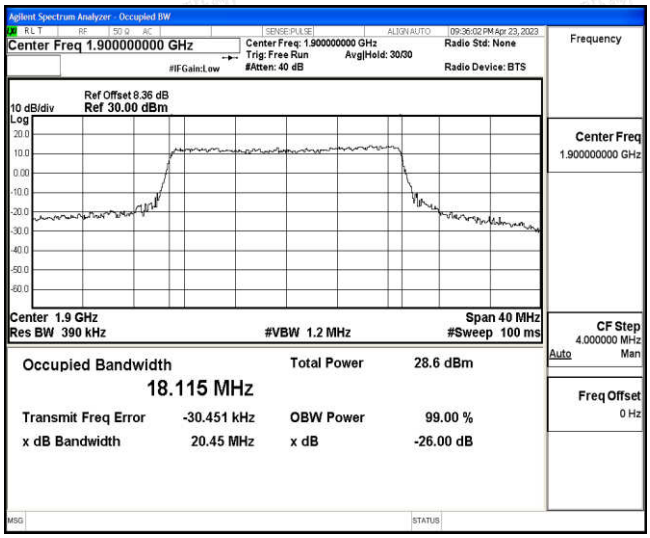
Band2-20MHz-QPSK-18700-100RB#0



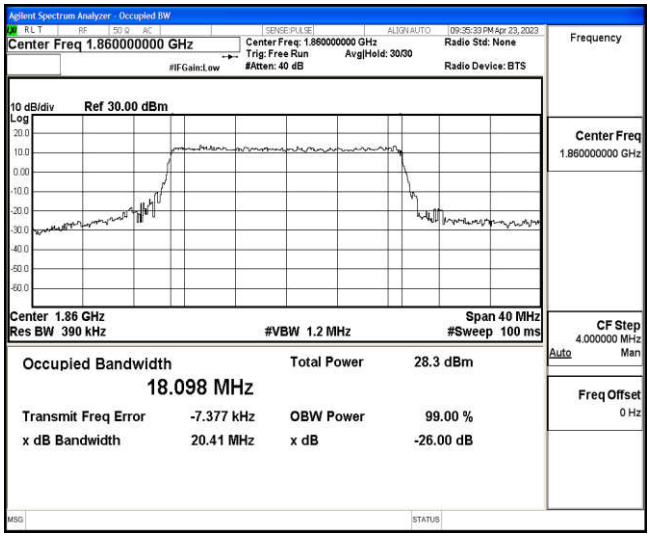
Band2-20MHz-QPSK-18900-100RB#0



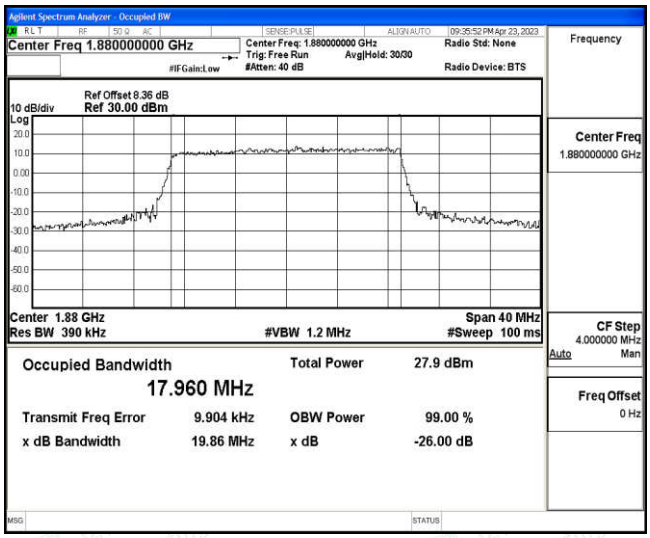
Band2-20MHz-QPSK-19100-100RB#0



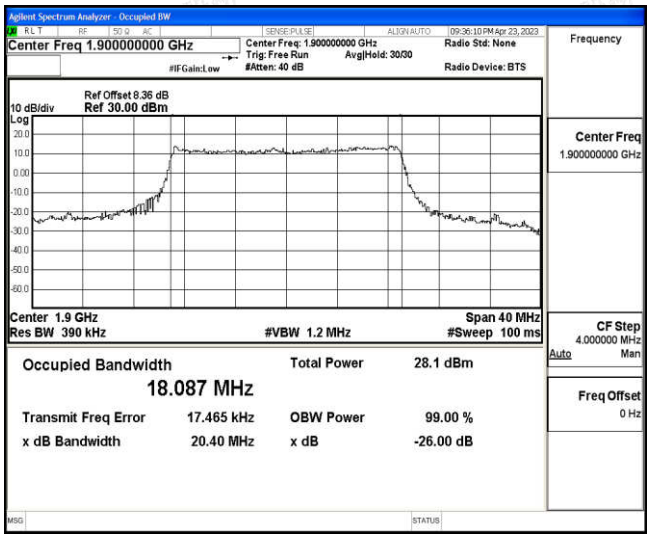
Band2-20MHz-16QAM-18700-100RB#0



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



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


Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.900000000 GHz
Center Freq: 1.900000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 8.36 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
1.900000000 GHz
Center 1.9 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.087 MHz
Total Power 28.1 dBm
Transmit Freq Error 17.465 kHz
OBW Power 99.00 %
x dB Bandwidth 20.40 MHz
x dB -26.00 dB
Freq Offset
0 Hz

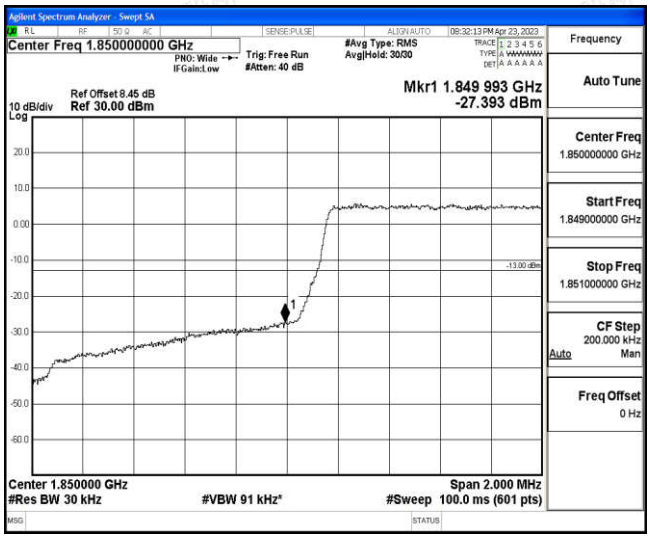
D.4 Band Edge

Test Result

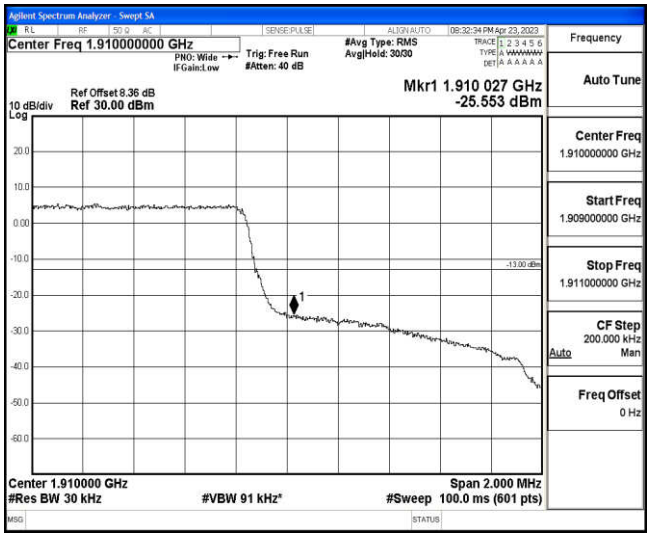
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-27.39	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-25.55	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-29.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-27.84	PASS
Band2	3MHz	QPSK	18615	15RB#0	-23.30	PASS
Band2	3MHz	QPSK	19185	15RB#0	-23.12	PASS
Band2	3MHz	16QAM	18615	15RB#0	-24.43	PASS
Band2	3MHz	16QAM	19185	15RB#0	-24.31	PASS
Band2	5MHz	QPSK	18625	25RB#0	-26.33	PASS
Band2	5MHz	QPSK	19175	25RB#0	-25.49	PASS
Band2	5MHz	16QAM	18625	25RB#0	-27.18	PASS
Band2	5MHz	16QAM	19175	25RB#0	-27.28	PASS
Band2	10MHz	QPSK	18650	50RB#0	-29.35	PASS
Band2	10MHz	QPSK	19150	50RB#0	-28.85	PASS
Band2	10MHz	16QAM	18650	50RB#0	-31.12	PASS
Band2	10MHz	16QAM	19150	50RB#0	-29.80	PASS
Band2	15MHz	QPSK	18675	75RB#0	-29.75	PASS
Band2	15MHz	QPSK	19125	75RB#0	-28.68	PASS
Band2	15MHz	16QAM	18675	75RB#0	-31.28	PASS
Band2	15MHz	16QAM	19125	75RB#0	-30.53	PASS
Band2	20MHz	QPSK	18700	100RB#0	-31.87	PASS
Band2	20MHz	QPSK	19100	100RB#0	-29.66	PASS
Band2	20MHz	16QAM	18700	100RB#0	-33.36	PASS
Band2	20MHz	16QAM	19100	100RB#0	-32.16	PASS

Test Graphs

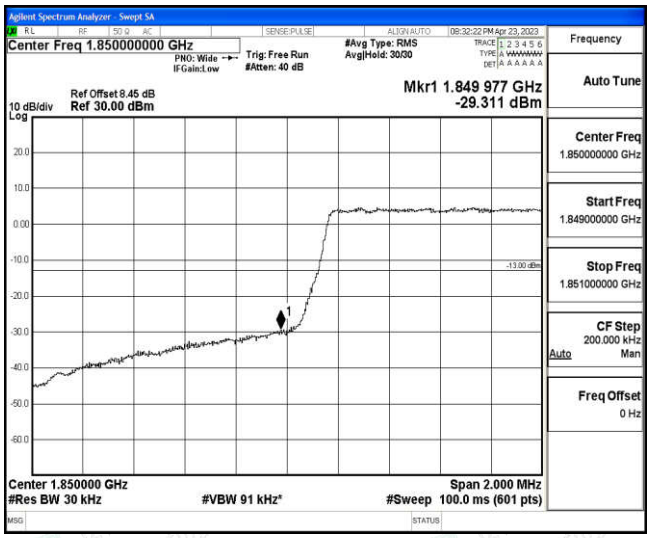
Band2-1.4MHz-QPSK-18607-6RB#0



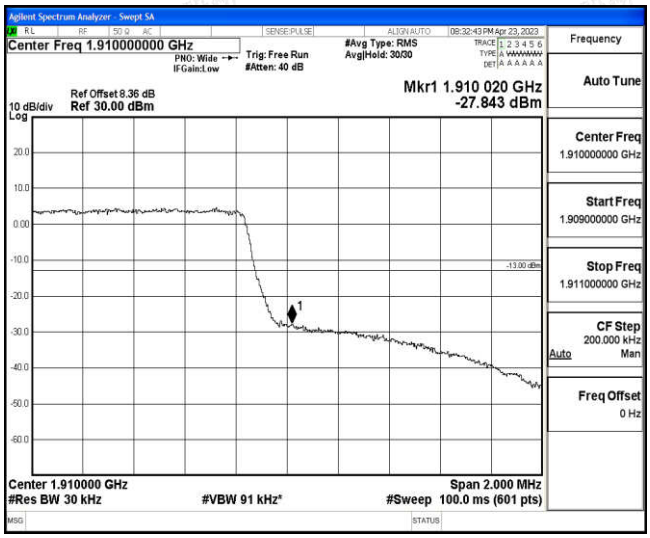
Band2-1.4MHz-QPSK-19193-6RB#0



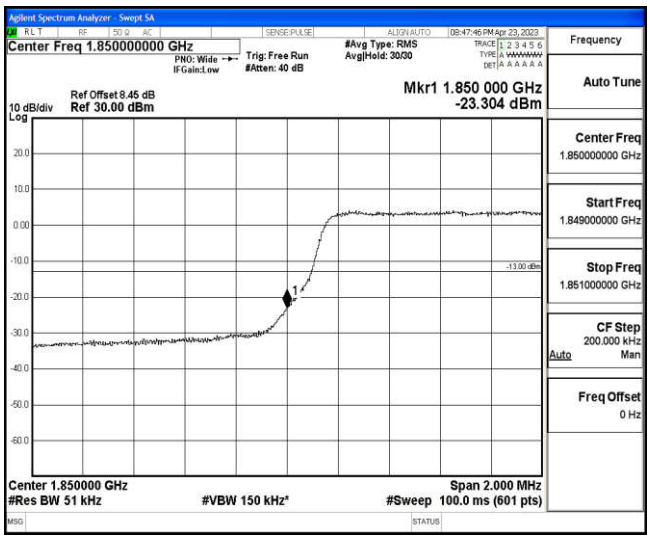
Band2-1.4MHz-16QAM-18607-6RB#0



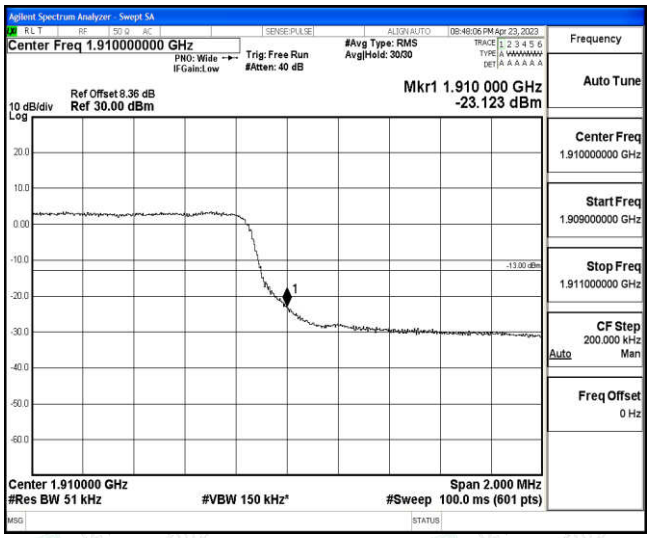
Band2-1.4MHz-16QAM-19193-6RB#0



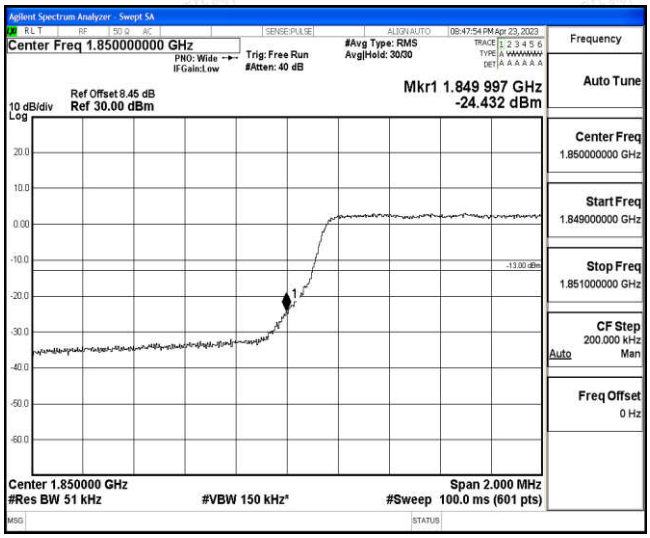
Band2-3MHz-QPSK-18615-15RB#0



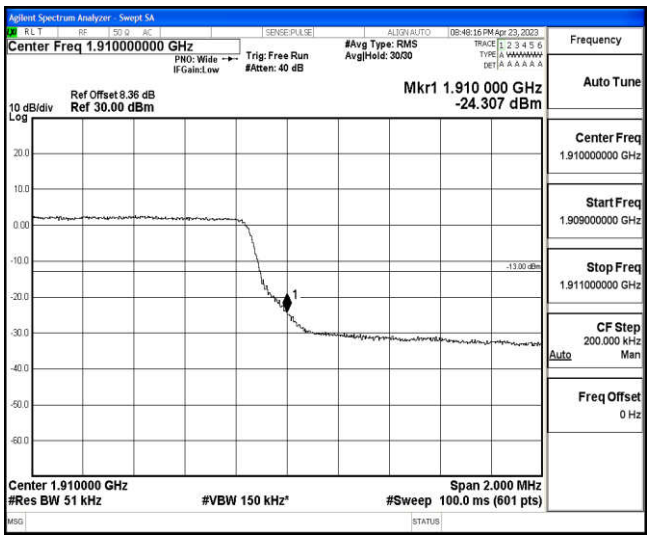
Band2-3MHz-QPSK-19185-15RB#0



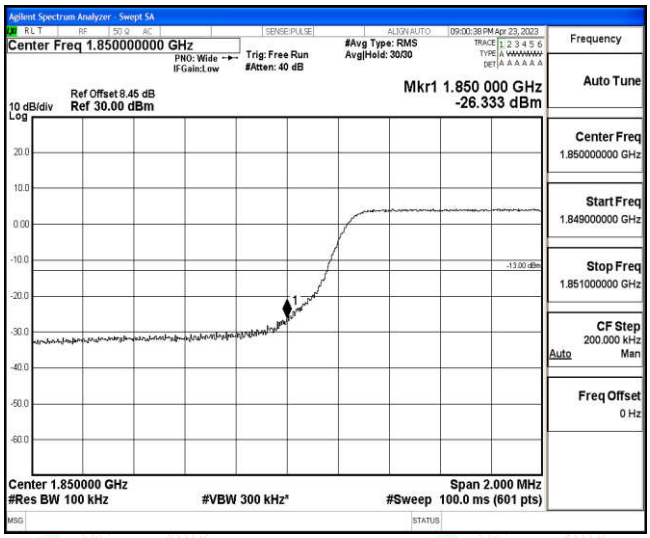
Band2-3MHz-16QAM-18615-15RB#0



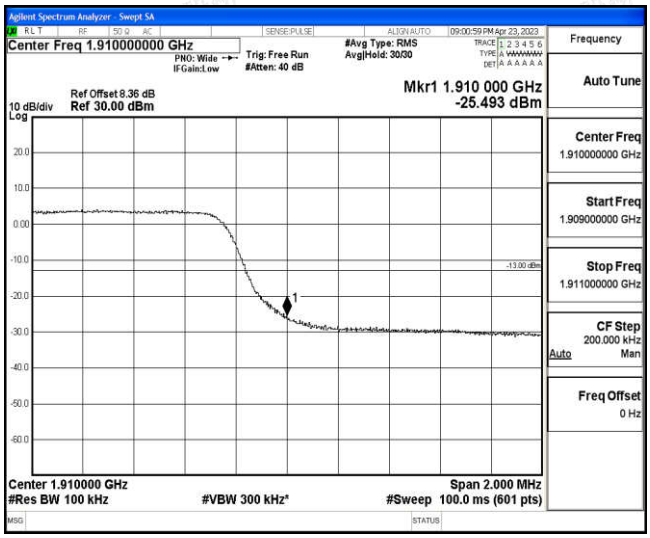
Band2-3MHz-16QAM-19185-15RB#0



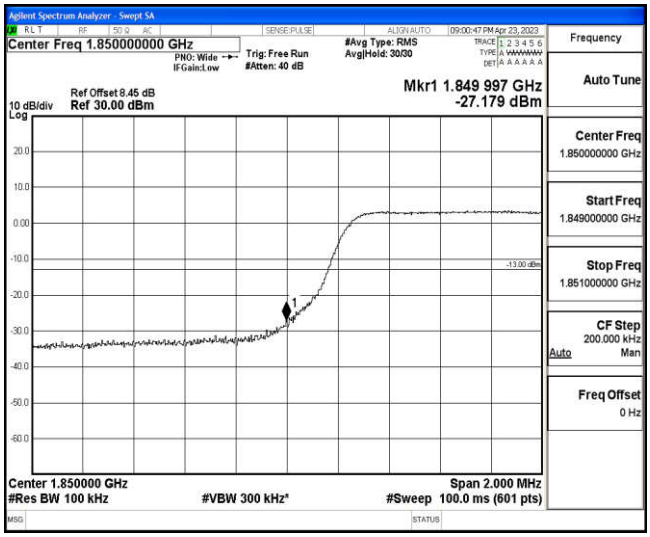
Band2-5MHz-QPSK-18625-25RB#0



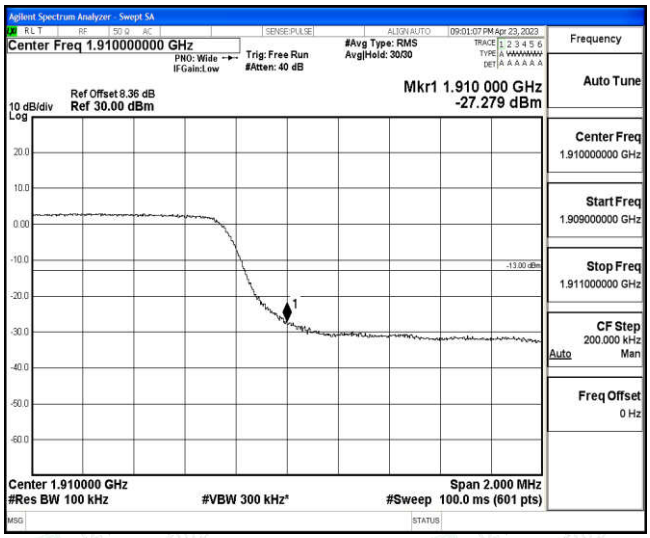
Band2-5MHz-QPSK-19175-25RB#0



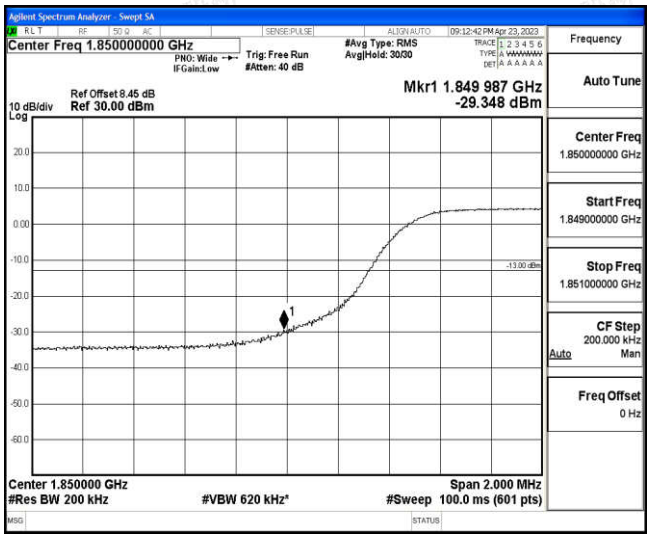
Band2-5MHz-16QAM-18625-25RB#0



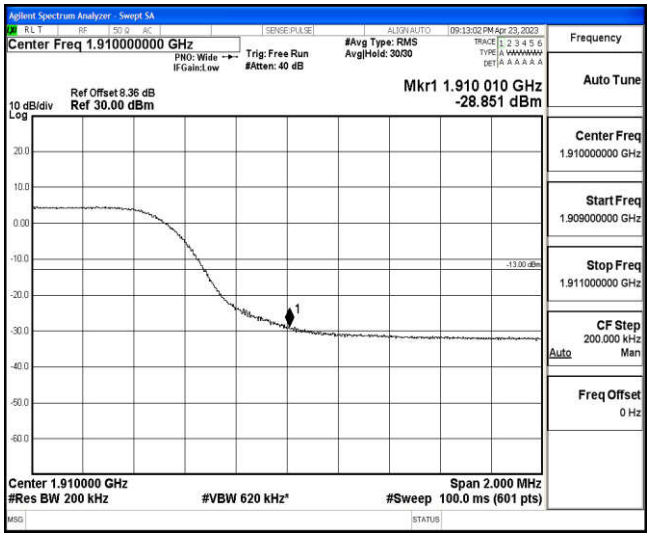
Band2-5MHz-16QAM-19175-25RB#0



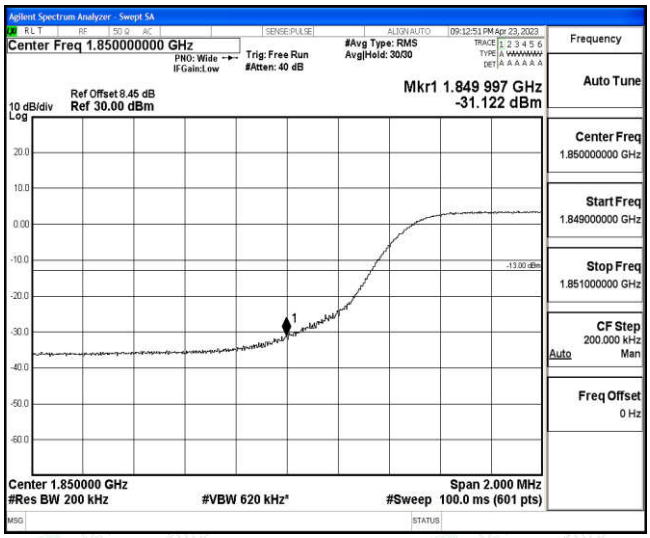
Band2-10MHz-QPSK-18650-50RB#0



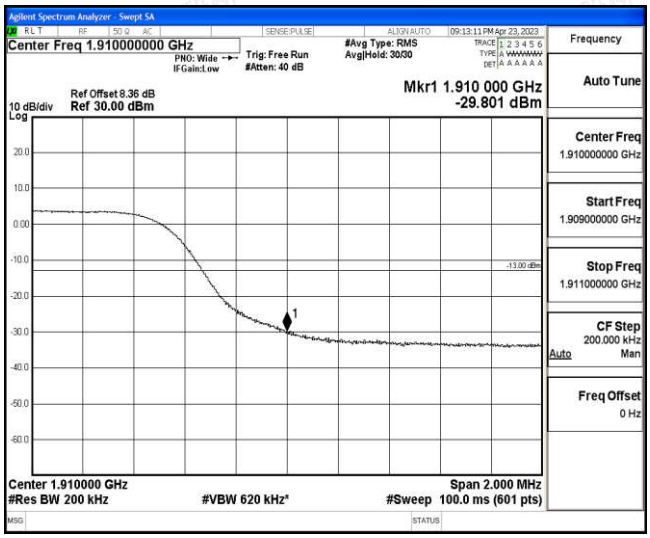
Band2-10MHz-QPSK-19150-50RB#0



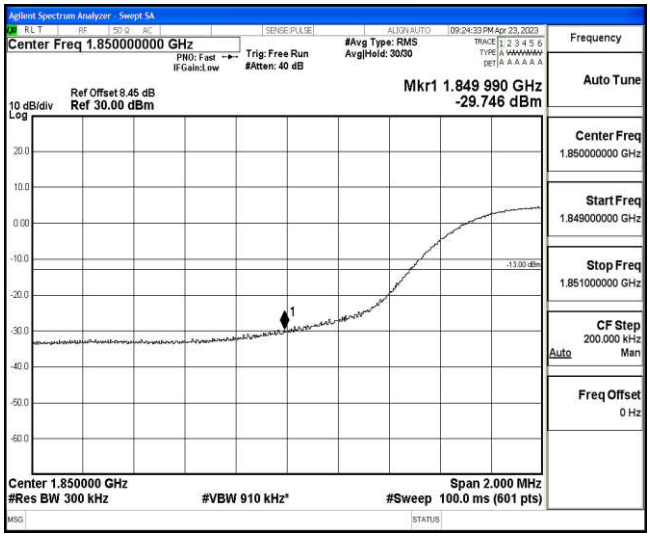
Band2-10MHz-16QAM-18650-50RB#0



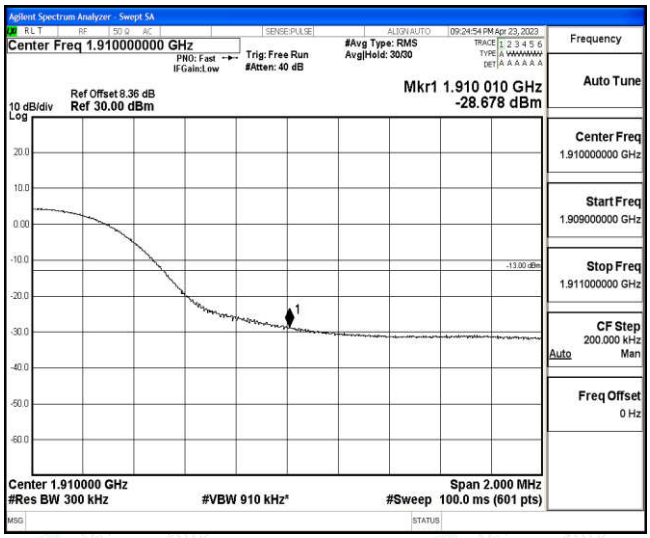
Band2-10MHz-16QAM-19150-50RB#0



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



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



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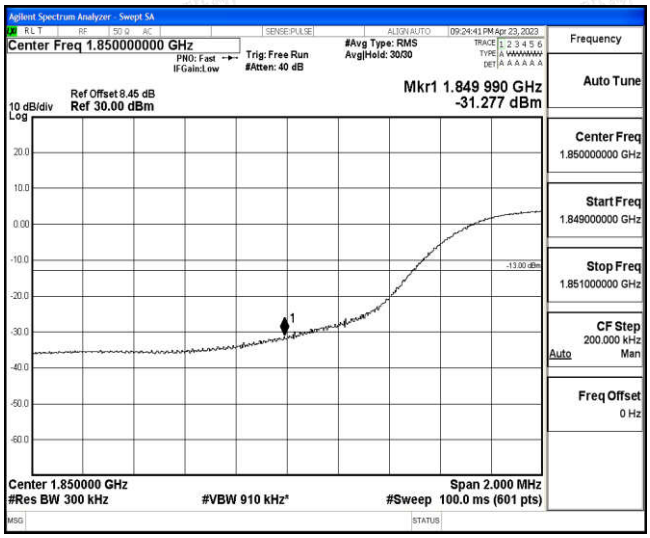

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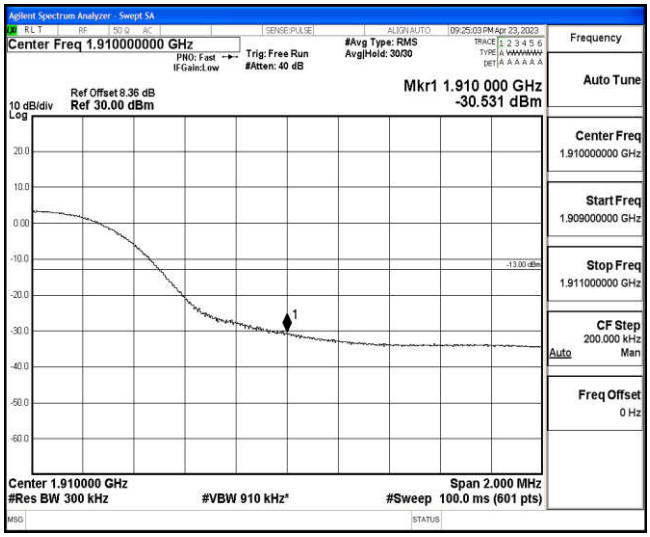

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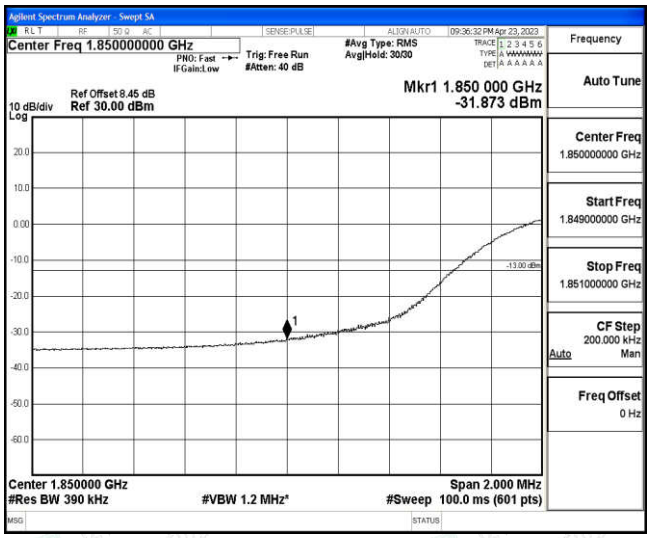

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