

## **Appendix for Band 2**

Product Name: CelluCORE 24  
Model No: 119906

## Appendix A: Average Power Output Data for M1

### Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1	0	20.87	PASS
Band2	1.4MHz	QPSK	18607	1	5	20.74	PASS
Band2	1.4MHz	QPSK	18607	6	0	20.87	PASS
Band2	1.4MHz	QPSK	18900	1	0	20.68	PASS
Band2	1.4MHz	QPSK	18900	1	5	21.02	PASS
Band2	1.4MHz	QPSK	18900	6	0	21.12	PASS
Band2	1.4MHz	QPSK	19193	1	0	21.36	PASS
Band2	1.4MHz	QPSK	19193	1	5	21.42	PASS
Band2	1.4MHz	QPSK	19193	6	0	20.75	PASS
Band2	1.4MHz	16QAM	18607	1	0	20.99	PASS
Band2	1.4MHz	16QAM	18607	1	5	20.67	PASS
Band2	1.4MHz	16QAM	18607	6	0	20.58	PASS
Band2	1.4MHz	16QAM	18900	1	0	20.69	PASS
Band2	1.4MHz	16QAM	18900	1	5	20.71	PASS
Band2	1.4MHz	16QAM	18900	6	0	20.62	PASS
Band2	1.4MHz	16QAM	19193	1	0	20.74	PASS
Band2	1.4MHz	16QAM	19193	1	5	21.06	PASS
Band2	1.4MHz	16QAM	19193	6	0	21.13	PASS
Band2	3MHz	QPSK	18615	1	0	21.14	PASS
Band2	3MHz	QPSK	18615	1	5	21.02	PASS
Band2	3MHz	QPSK	18615	6	0	21.28	PASS
Band2	3MHz	QPSK	18900	1	0	21.41	PASS
Band2	3MHz	QPSK	18900	1	5	21.36	PASS
Band2	3MHz	QPSK	18900	6	0	21.45	PASS
Band2	3MHz	QPSK	19185	1	0	21.02	PASS
Band2	3MHz	QPSK	19185	1	5	21.58	PASS
Band2	3MHz	QPSK	19185	6	0	21.41	PASS
Band2	3MHz	16QAM	18615	1	0	21.07	PASS
Band2	3MHz	16QAM	18615	1	5	21.02	PASS
Band2	3MHz	16QAM	18615	6	0	21.13	PASS
Band2	3MHz	16QAM	18900	1	0	21.08	PASS
Band2	3MHz	16QAM	18900	1	5	21.25	PASS
Band2	3MHz	16QAM	18900	6	0	21.23	PASS
Band2	3MHz	16QAM	19185	1	0	21.41	PASS
Band2	3MHz	16QAM	19185	1	5	21.05	PASS
Band2	3MHz	16QAM	19185	6	0	21.36	PASS

Band2	5MHz	QPSK	18625	1	0	21.41	PASS
Band2	5MHz	QPSK	18625	1	5	21.02	PASS
Band2	5MHz	QPSK	18625	6	0	21.25	PASS
Band2	5MHz	QPSK	18900	1	0	21.51	PASS
Band2	5MHz	QPSK	18900	1	5	21.01	PASS
Band2	5MHz	QPSK	18900	6	0	21.27	PASS
Band2	5MHz	QPSK	19175	1	0	21.42	PASS
Band2	5MHz	QPSK	19175	1	5	21.02	PASS
Band2	5MHz	QPSK	19175	6	0	21.26	PASS
Band2	5MHz	16QAM	18625	1	0	21.11	PASS
Band2	5MHz	16QAM	18625	1	5	21.08	PASS
Band2	5MHz	16QAM	18625	6	0	21.35	PASS
Band2	5MHz	16QAM	18900	1	0	21.41	PASS
Band2	5MHz	16QAM	18900	1	5	20.97	PASS
Band2	5MHz	16QAM	18900	6	0	20.96	PASS
Band2	5MHz	16QAM	19175	1	0	20.74	PASS
Band2	5MHz	16QAM	19175	1	5	20.96	PASS
Band2	5MHz	16QAM	19175	6	0	20.74	PASS
Band2	10MHz	QPSK	18650	1	0	20.45	PASS
Band2	10MHz	QPSK	18650	1	5	20.52	PASS
Band2	10MHz	QPSK	18650	6	0	20.39	PASS
Band2	10MHz	QPSK	18900	1	0	20.98	PASS
Band2	10MHz	QPSK	18900	1	5	21.01	PASS
Band2	10MHz	QPSK	18900	6	0	21.02	PASS
Band2	10MHz	QPSK	19150	1	0	20.75	PASS
Band2	10MHz	QPSK	19150	1	5	20.74	PASS
Band2	10MHz	QPSK	19150	6	0	20.69	PASS
Band2	10MHz	16QAM	18650	1	0	20.71	PASS
Band2	10MHz	16QAM	18650	1	5	20.67	PASS
Band2	10MHz	16QAM	18650	6	0	20.55	PASS
Band2	10MHz	16QAM	18900	1	0	20.63	PASS
Band2	10MHz	16QAM	18900	1	5	20.72	PASS
Band2	10MHz	16QAM	18900	6	0	20.39	PASS
Band2	10MHz	16QAM	19150	1	0	20.47	PASS
Band2	10MHz	16QAM	19150	1	5	20.69	PASS
Band2	10MHz	16QAM	19150	6	0	20.82	PASS
Band2	15MHz	QPSK	18675	1	0	20.64	PASS
Band2	15MHz	QPSK	18675	1	5	20.46	PASS
Band2	15MHz	QPSK	18675	6	0	20.88	PASS
Band2	15MHz	QPSK	18900	1	0	20.69	PASS
Band2	15MHz	QPSK	18900	1	5	20.47	PASS
Band2	15MHz	QPSK	18900	6	0	20.44	PASS

Band2	15MHz	QPSK	19125	1	0	21.02	PASS
Band2	15MHz	QPSK	19125	1	5	21.04	PASS
Band2	15MHz	QPSK	19125	6	0	21.11	PASS
Band2	15MHz	16QAM	18675	1	0	21.36	PASS
Band2	15MHz	16QAM	18675	1	5	21.14	PASS
Band2	15MHz	16QAM	18675	6	0	21.02	PASS
Band2	15MHz	16QAM	18900	1	0	21.05	PASS
Band2	15MHz	16QAM	18900	1	5	21.23	PASS
Band2	15MHz	16QAM	18900	6	0	21.34	PASS
Band2	15MHz	16QAM	19125	1	0	21.04	PASS
Band2	15MHz	16QAM	19125	1	5	21.41	PASS
Band2	15MHz	16QAM	19125	6	0	21.05	PASS
Band2	20MHz	QPSK	18700	1	0	21.28	PASS
Band2	20MHz	QPSK	18700	1	5	21.26	PASS
Band2	20MHz	QPSK	18700	6	0	21.47	PASS
Band2	20MHz	QPSK	18900	1	0	20.78	PASS
Band2	20MHz	QPSK	18900	1	5	20.79	PASS
Band2	20MHz	QPSK	18900	6	0	20.67	PASS
Band2	20MHz	QPSK	19100	1	0	20.62	PASS
Band2	20MHz	QPSK	19100	1	5	20.71	PASS
Band2	20MHz	QPSK	19100	6	0	20.56	PASS
Band2	20MHz	16QAM	18700	1	0	21.34	PASS
Band2	20MHz	16QAM	18700	1	5	21.48	PASS
Band2	20MHz	16QAM	18700	6	0	21.72	PASS
Band2	20MHz	16QAM	18900	1	0	21.62	PASS
Band2	20MHz	16QAM	18900	1	5	21.74	PASS
Band2	20MHz	16QAM	18900	6	0	21.35	PASS
Band2	20MHz	16QAM	19100	1	0	21.41	PASS
Band2	20MHz	16QAM	19100	1	5	21.05	PASS
Band2	20MHz	16QAM	19100	6	0	21.43	PASS

## Appendix B: Peak-to-Average Ratio(CCDF) for M1

### Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	18607	QPSK	6	0	8.47	<=13	PASS
Band2	1.4MHz	18900	QPSK	6	0	8.07	<=13	PASS
Band2	1.4MHz	19193	QPSK	6	0	9.43	<=13	PASS
Band2	1.4MHz	18607	16QAM	6	0	8.50	<=13	PASS
Band2	1.4MHz	18900	16QAM	6	0	10.60	<=13	PASS
Band2	1.4MHz	19193	16QAM	6	0	9.70	<=13	PASS
Band2	3MHz	18615	QPSK	6	0	10.74	<=13	PASS
Band2	3MHz	18900	QPSK	6	0	9.81	<=13	PASS
Band2	3MHz	19185	QPSK	6	0	11.54	<=13	PASS
Band2	3MHz	18615	16QAM	6	0	10.00	<=13	PASS
Band2	3MHz	18900	16QAM	6	0	9.51	<=13	PASS
Band2	3MHz	19185	16QAM	6	0	10.78	<=13	PASS
Band2	5MHz	18625	QPSK	6	0	10.47	<=13	PASS
Band2	5MHz	18900	QPSK	6	0	9.09	<=13	PASS
Band2	5MHz	19175	QPSK	6	0	7.52	<=13	PASS
Band2	5MHz	18625	16QAM	6	0	11.31	<=13	PASS
Band2	5MHz	18900	16QAM	6	0	9.26	<=13	PASS
Band2	5MHz	19175	16QAM	6	0	9.16	<=13	PASS
Band2	10MHz	18650	QPSK	6	0	10.07	<=13	PASS
Band2	10MHz	18900	QPSK	6	0	12.85	<=13	PASS
Band2	10MHz	19150	QPSK	6	0	8.65	<=13	PASS
Band2	10MHz	18650	16QAM	6	0	10.56	<=13	PASS
Band2	10MHz	18900	16QAM	6	0	10.80	<=13	PASS
Band2	10MHz	19150	16QAM	6	0	10.01	<=13	PASS
Band2	15MHz	18675	QPSK	6	0	10.18	<=13	PASS
Band2	15MHz	18900	QPSK	6	0	8.35	<=13	PASS
Band2	15MHz	19125	QPSK	6	0	8.87	<=13	PASS
Band2	15MHz	18675	16QAM	6	0	12.11	<=13	PASS
Band2	15MHz	18900	16QAM	6	0	9.51	<=13	PASS
Band2	15MHz	19125	16QAM	6	0	9.42	<=13	PASS
Band2	20MHz	18700	QPSK	6	0	8.43	<=13	PASS
Band2	20MHz	18900	QPSK	6	0	10.13	<=13	PASS
Band2	20MHz	19100	QPSK	6	0	10.79	<=13	PASS
Band2	20MHz	18700	16QAM	6	0	9.72	<=13	PASS

Band2	20MHz	18900	16QAM	6	0	8.47	<=13	PASS
Band2	20MHz	19100	16QAM	6	0	7.99	<=13	PASS

### Test Graphs



Band2-1.4MHz-QPSK-18607-6-0-Low-8.47-<=13-PASS



Band2-1.4MHz-QPSK-18900-6-0-Low-8.07-<=13-PASS



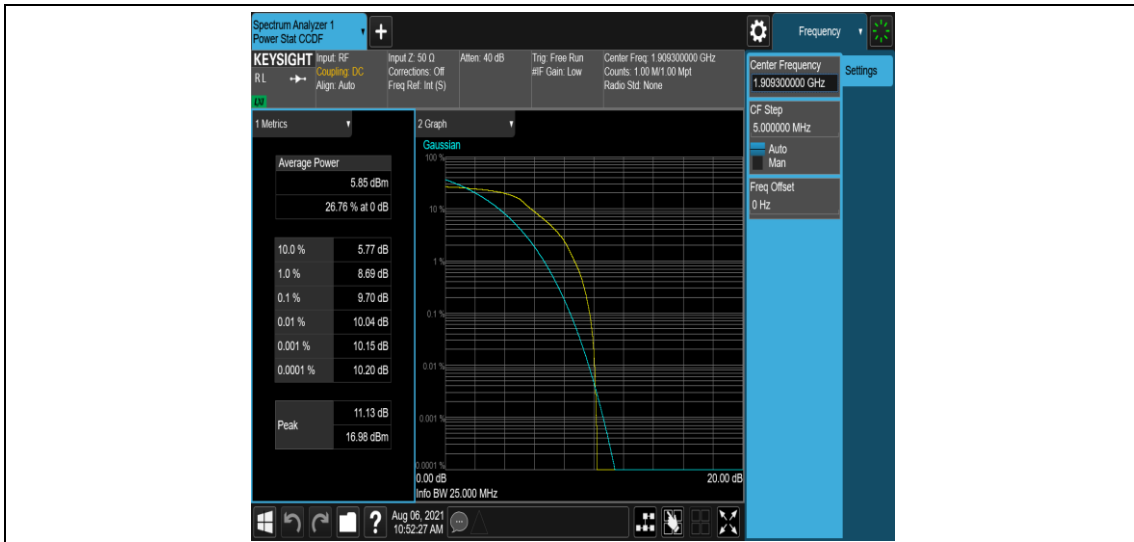
Band2-1.4MHz-QPSK-19193-6-0-Low-9.43-<=13-PASS



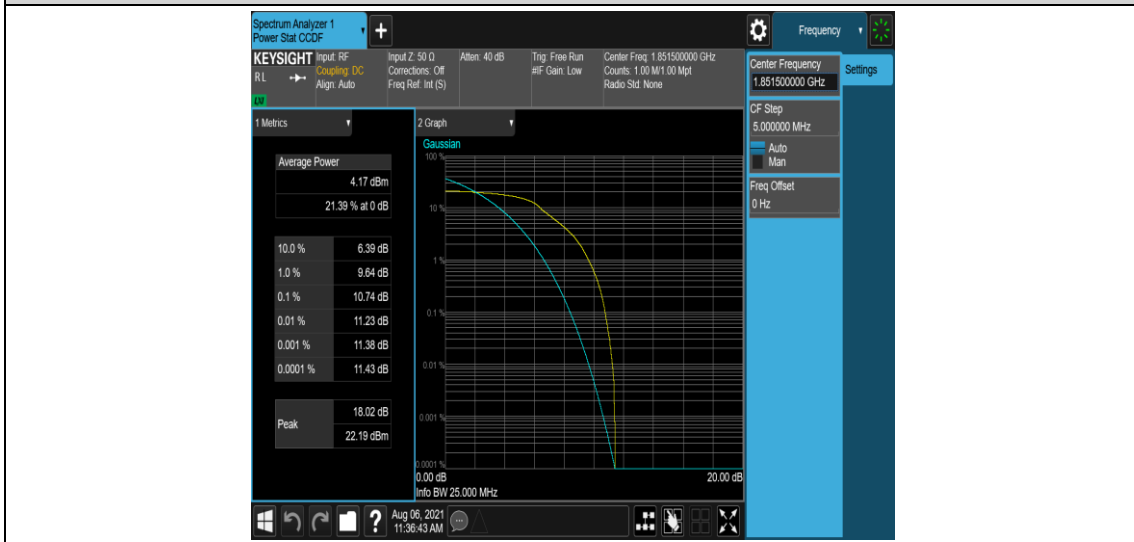
Band2-1.4MHz-16QAM-18607-6-0-Low-8.50-<=13-PASS



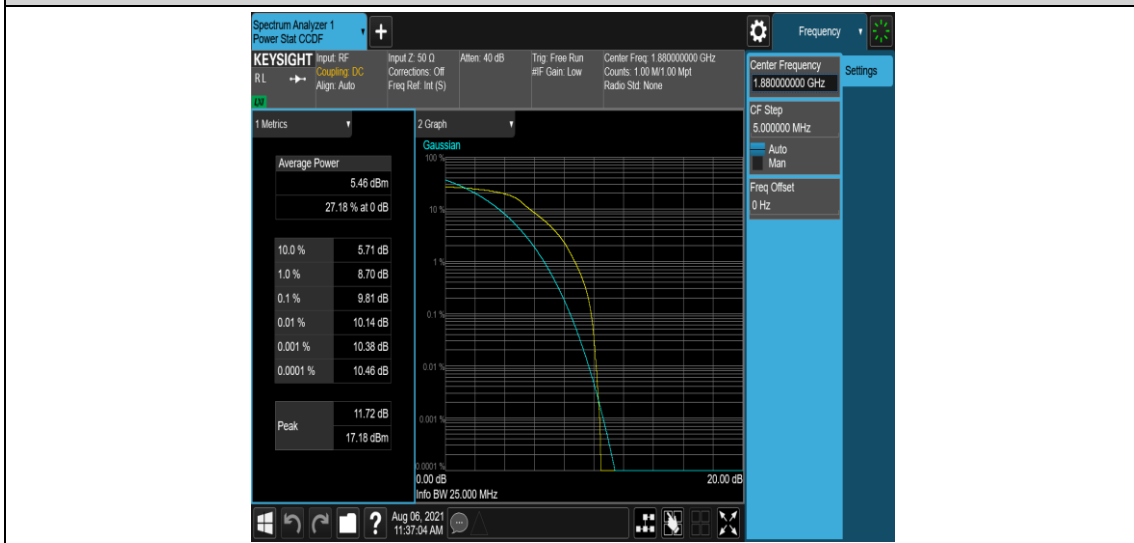
Band2-1.4MHz-16QAM-18900-6-0-Low-10.60-<=13-PASS



Band2-1.4MHz-16QAM-19193-6-0-Low-9.70-<=13-PASS



Band2-3MHz-QPSK-18615-6-0-Low-10.74-<=13-PASS

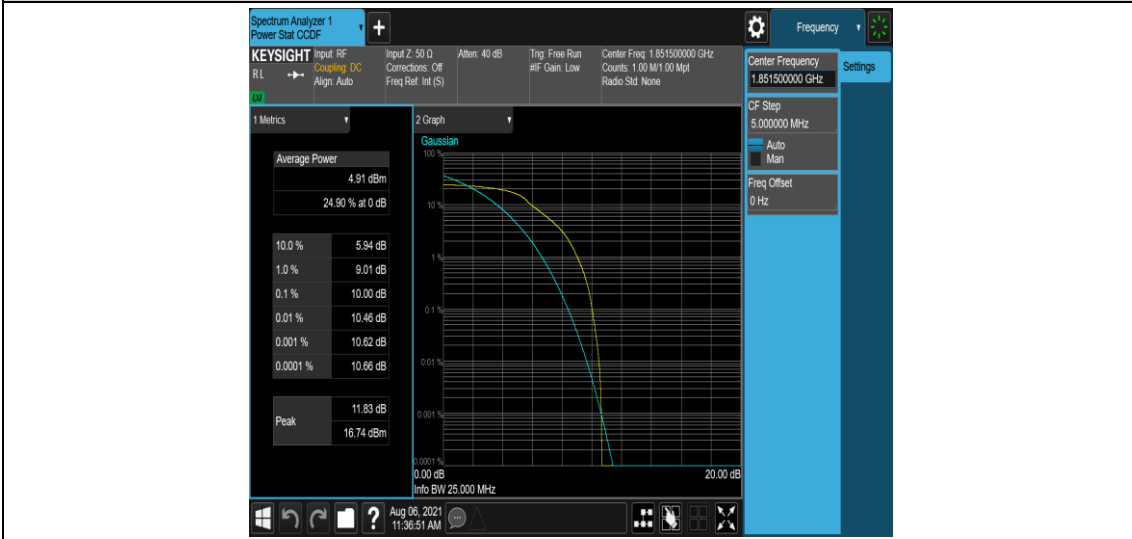


Band2-3MHz-QPSK-18900-6-0-Low-9.81-<=13-PASS

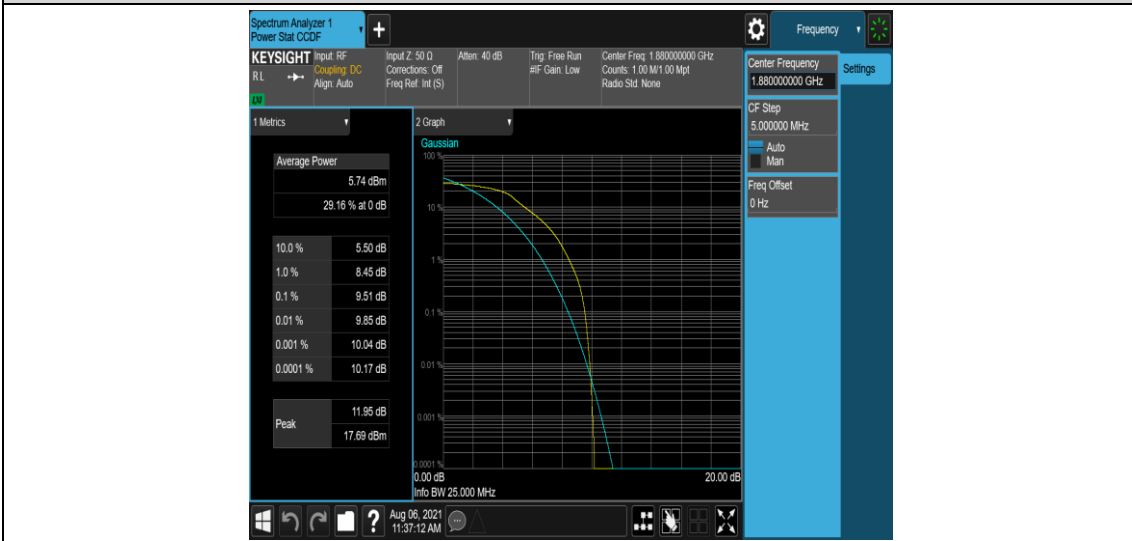




Band2-3MHz-QPSK-19185-6-0-Low-11.54-<=13-PASS



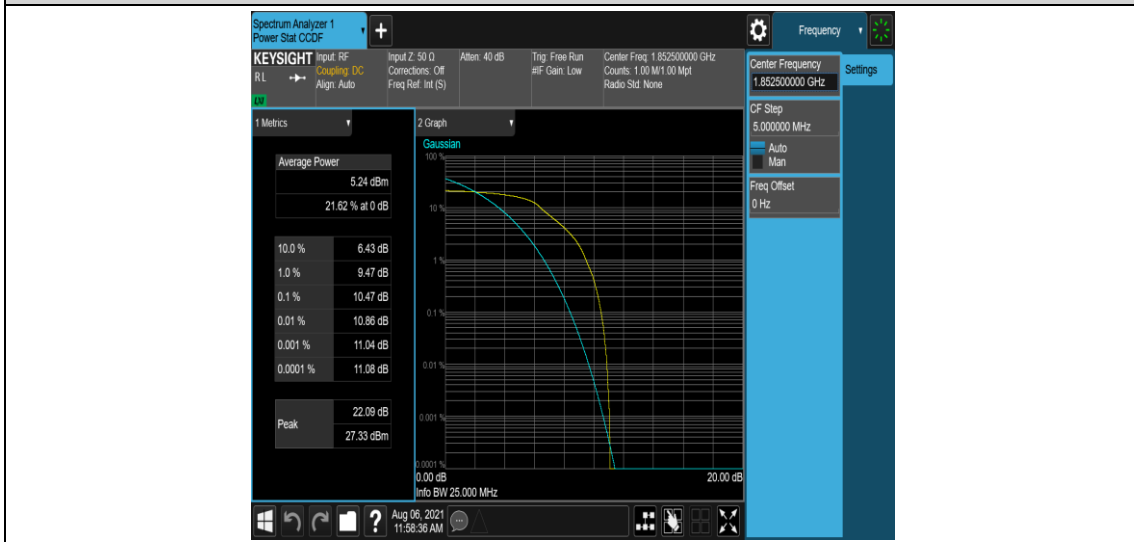
Band2-3MHz-16QAM-18615-6-0-Low-10.00-<=13-PASS



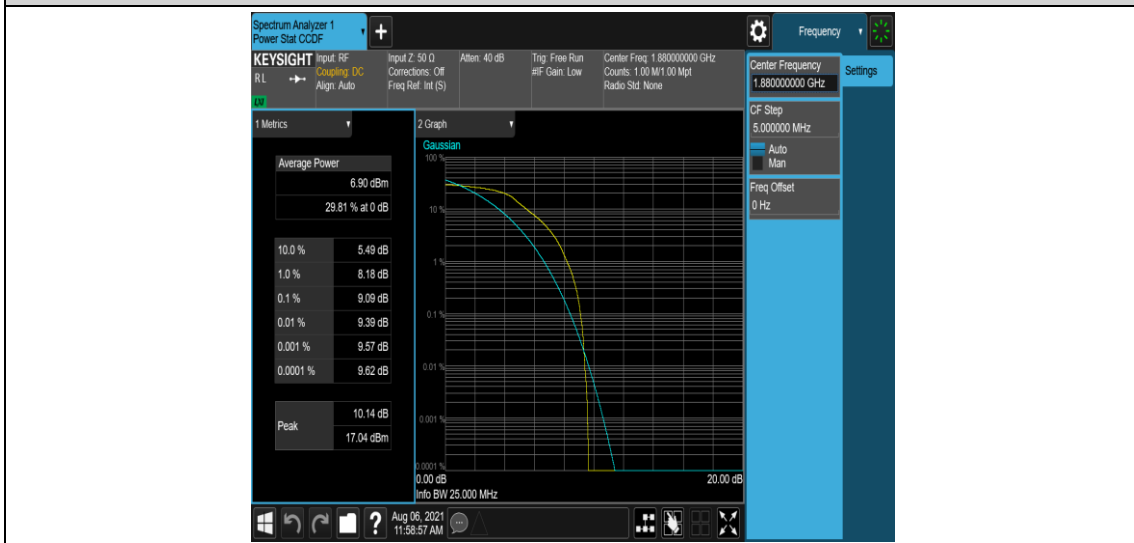
Band2-3MHz-16QAM-18900-6-0-Low-9.51-<=13-PASS



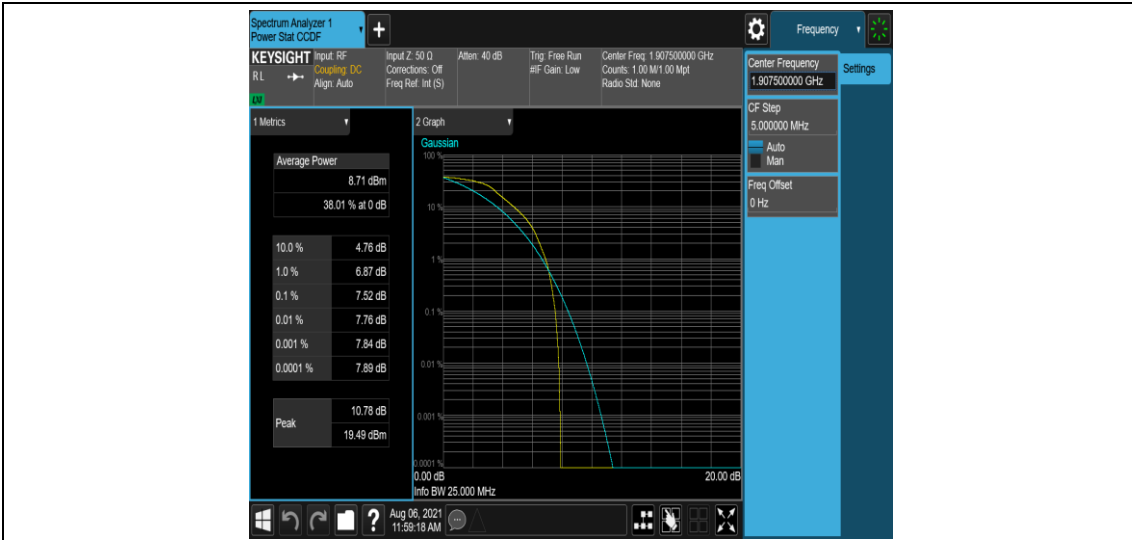
Band2-3MHz-16QAM-19185-6-0-Low-10.78-=<=13-PASS



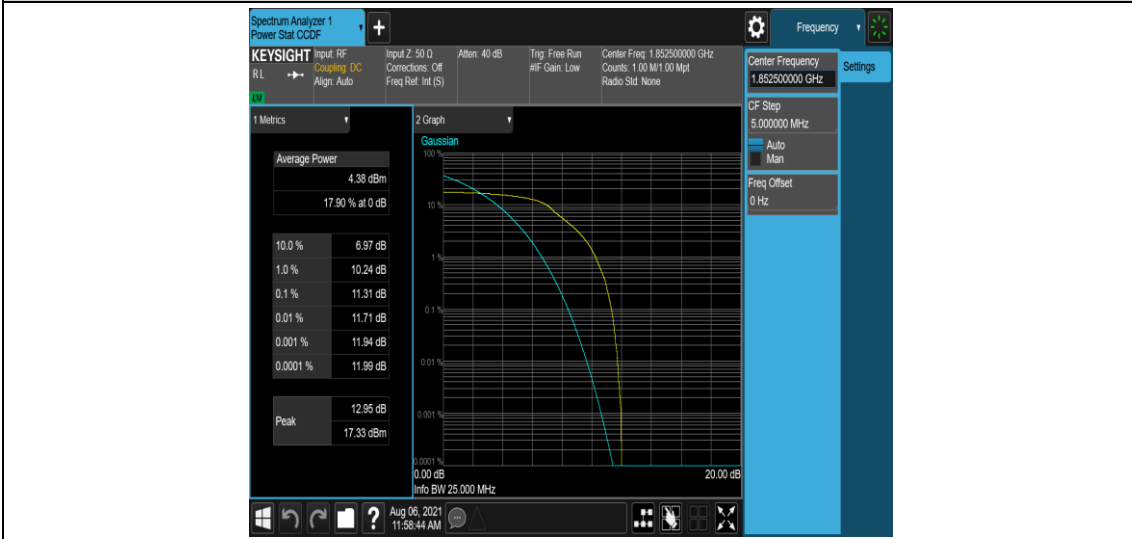
Band2-5MHz-QPSK-18625-6-0-Low-10.47-=<=13-PASS



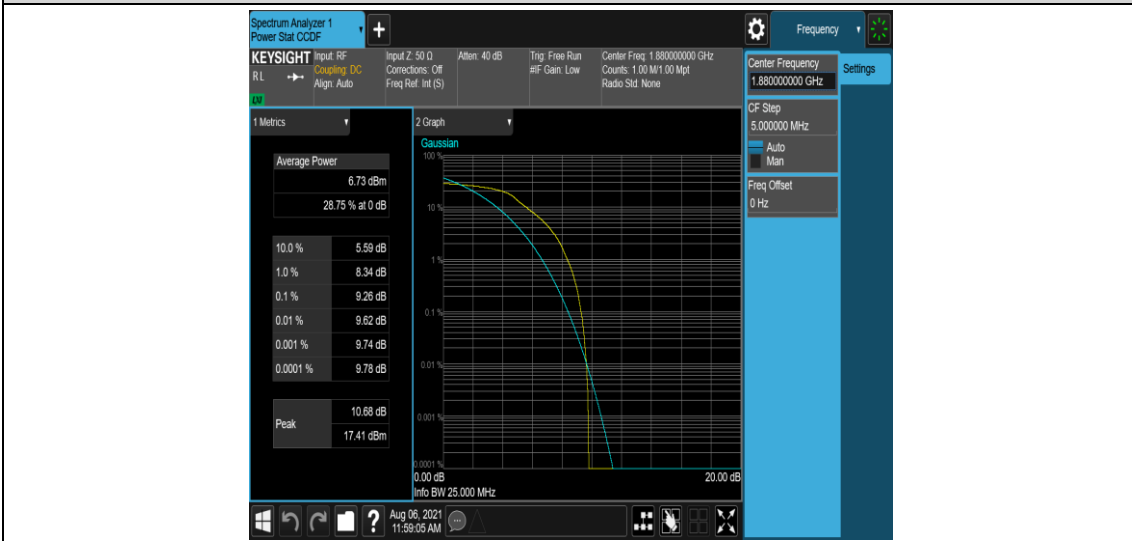
Band2-5MHz-QPSK-18900-6-0-Low-9.09-=<=13-PASS



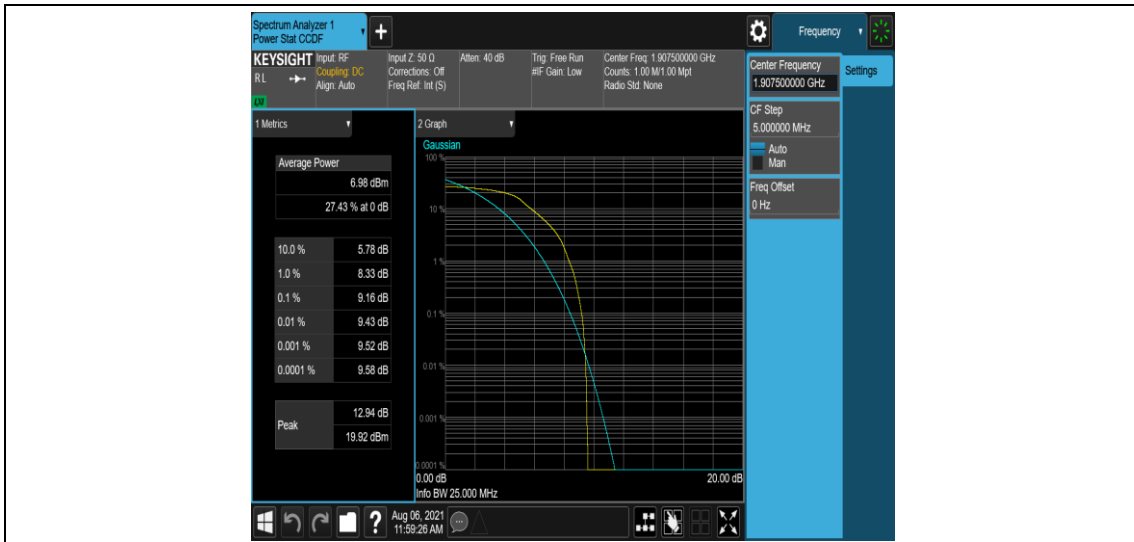
Band2-5MHz-QPSK-19175-6-0-Low-7.52-<=13-PASS



Band2-5MHz-16QAM-18625-6-0-Low-11.31-<=13-PASS



Band2-5MHz-16QAM-18900-6-0-Low-9.26-<=13-PASS



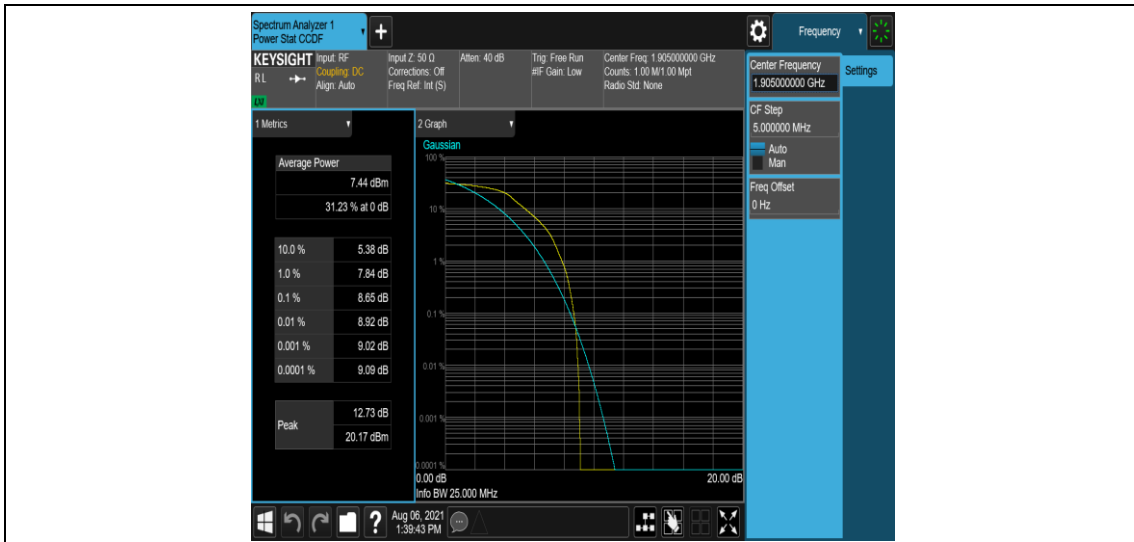
Band2-5MHz-16QAM-19175-6-0-Low-9.16-<=13-PASS



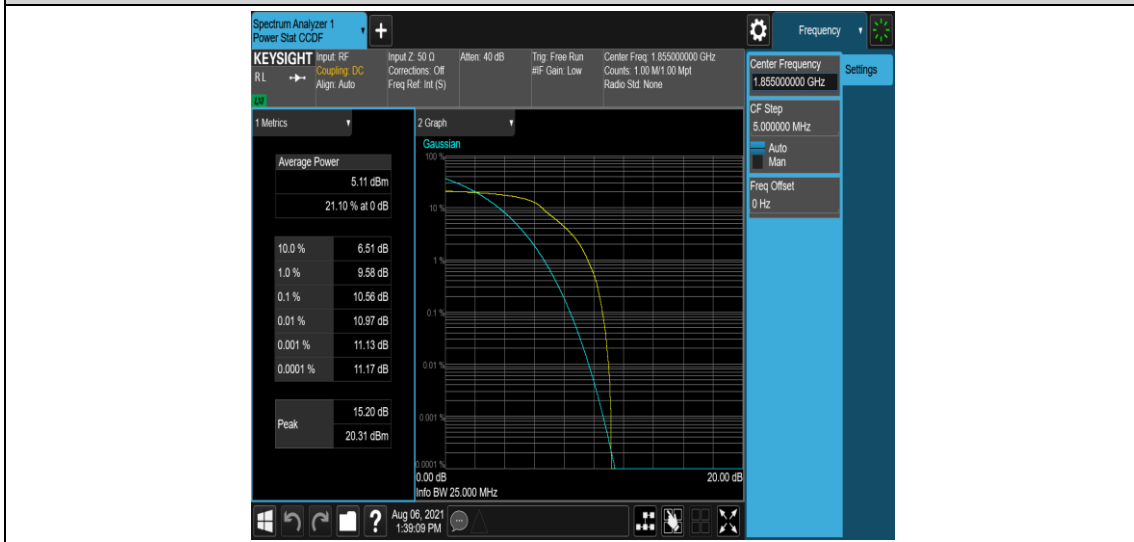
Band2-10MHz-QPSK-18650-6-0-Low-10.07-<=13-PASS



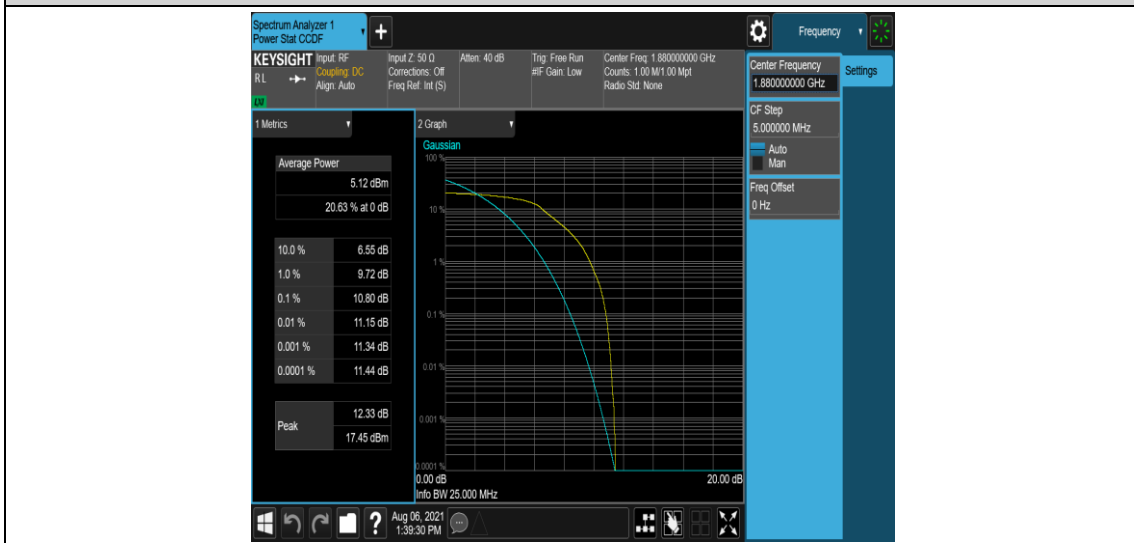
Band2-10MHz-QPSK-18900-6-0-Low-12.85-<=13-PASS



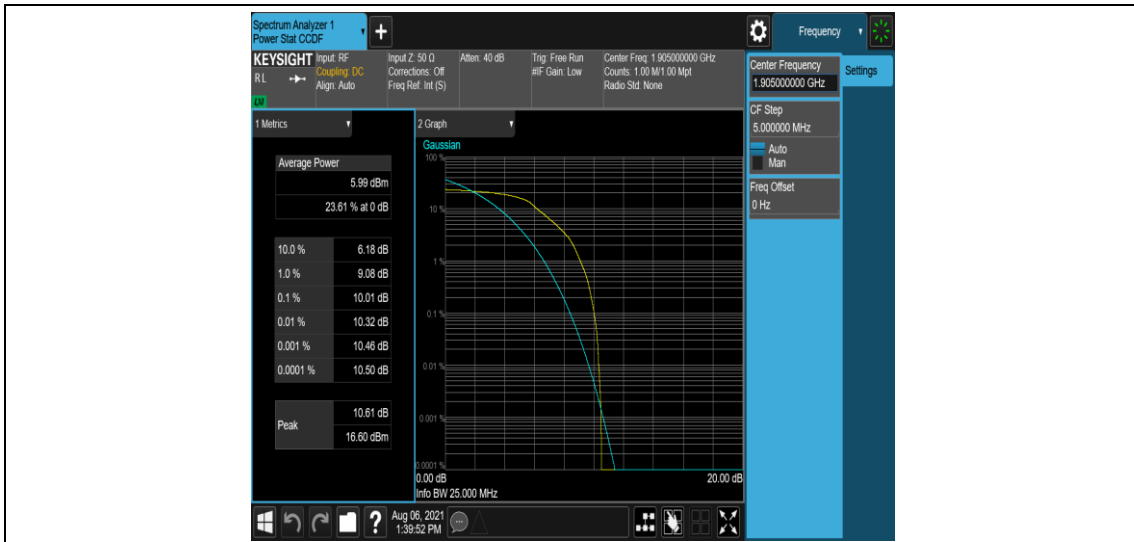
Band2-10MHz-QPSK-19150-6-0-Low-8.65-<=13-PASS



Band2-10MHz-16QAM-18650-6-0-Low-10.56-<=13-PASS



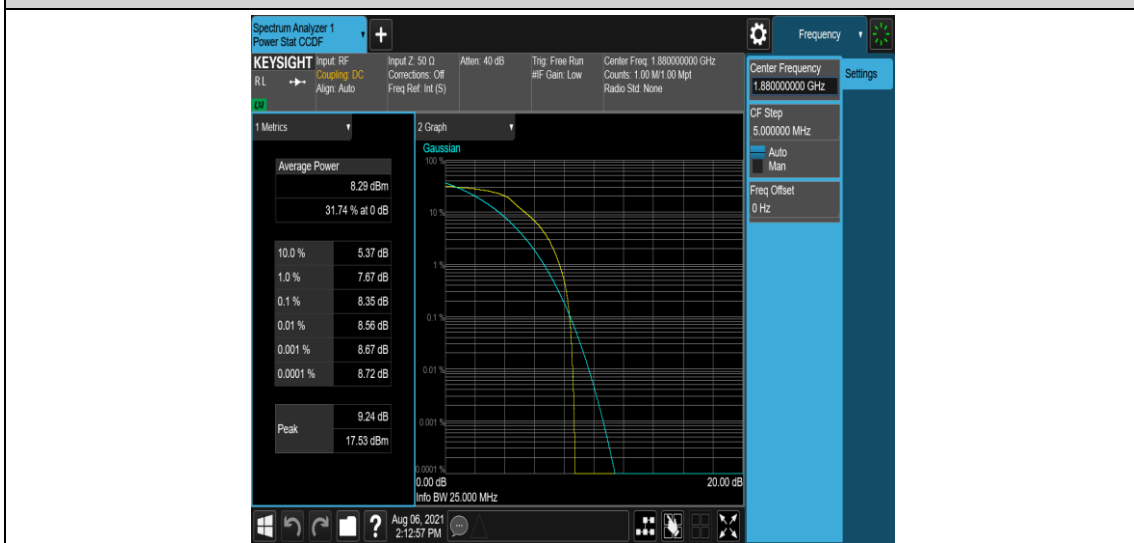
Band2-10MHz-16QAM-18900-6-0-Low-10.80-<=13-PASS



Band2-10MHz-16QAM-19150-6-0-Low-10.01-<=13-PASS



Band2-15MHz-QPSK-18675-6-0-Low-10.18-<=13-PASS



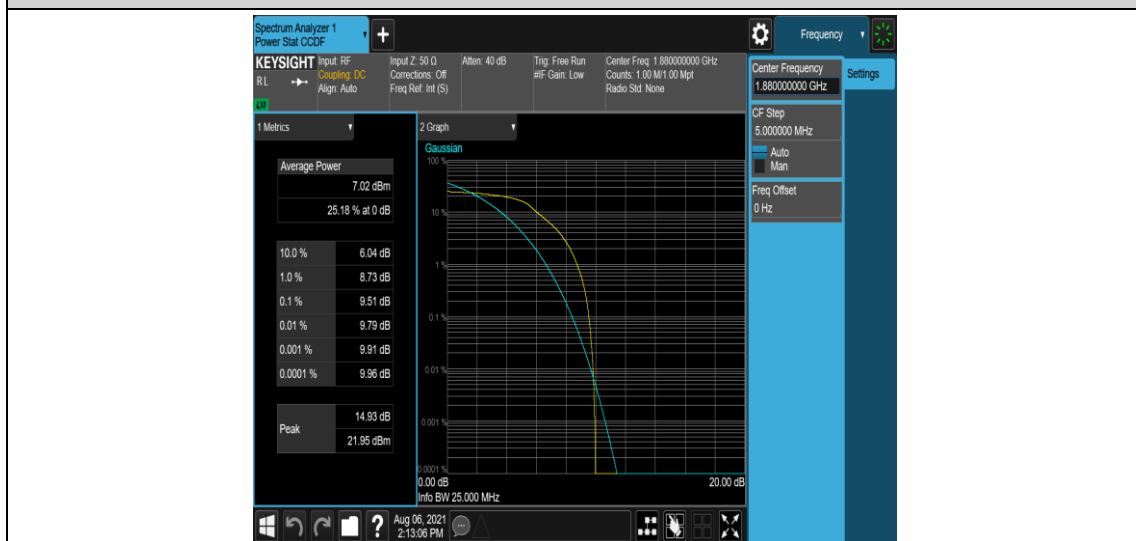
Band2-15MHz-QPSK-18900-6-0-Low-8.35-<=13-PASS



Band2-15MHz-QPSK-19125-6-0-Low-8.87-<=13-PASS



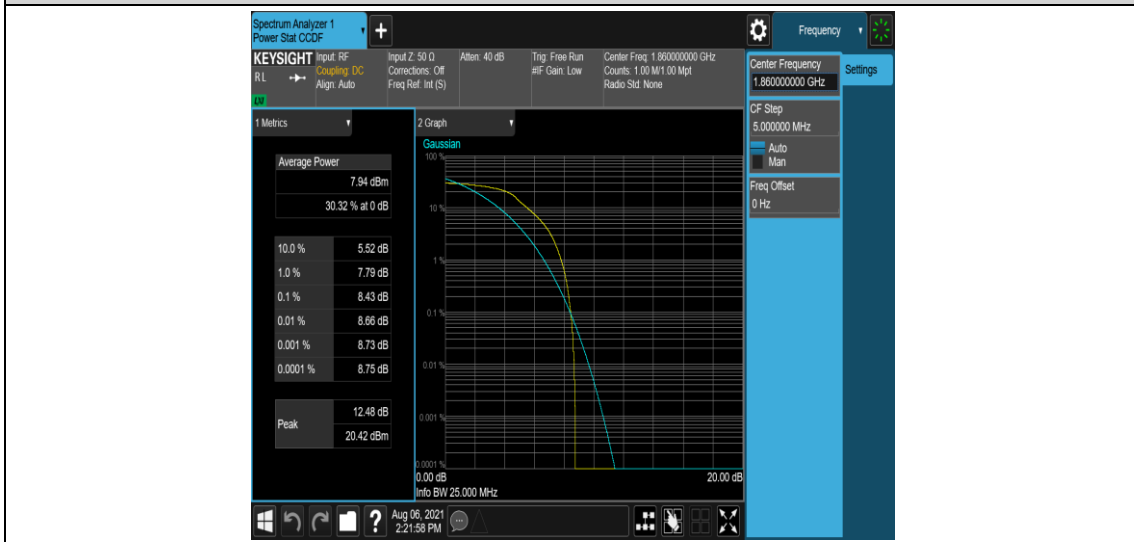
Band2-15MHz-16QAM-18675-6-0-Low-12.11-<=13-PASS



Band2-15MHz-16QAM-18900-6-0-Low-9.51-<=13-PASS



Band2-15MHz-16QAM-19125-6-0-Low-9.42-<=13-PASS

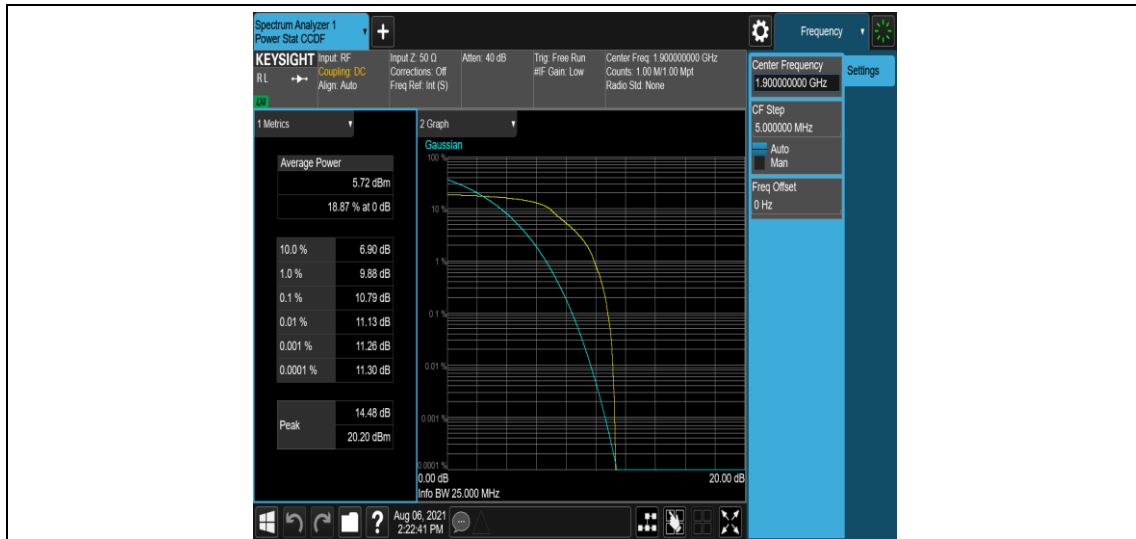


Band2-20MHz-QPSK-18700-6-0-Low-8.43-<=13-PASS

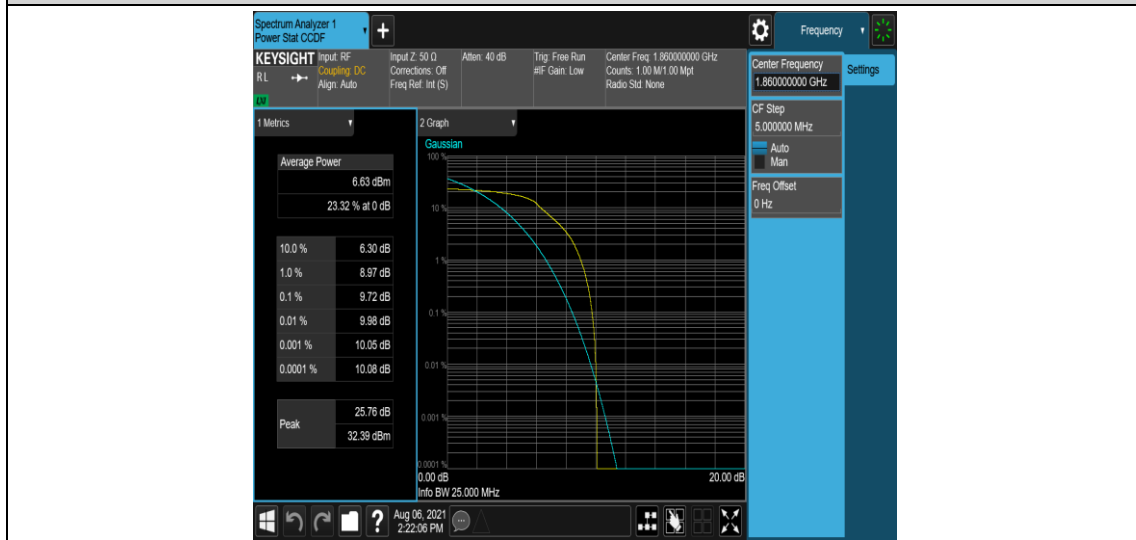


Band2-20MHz-QPSK-18900-6-0-Low-10.13-<=13-PASS

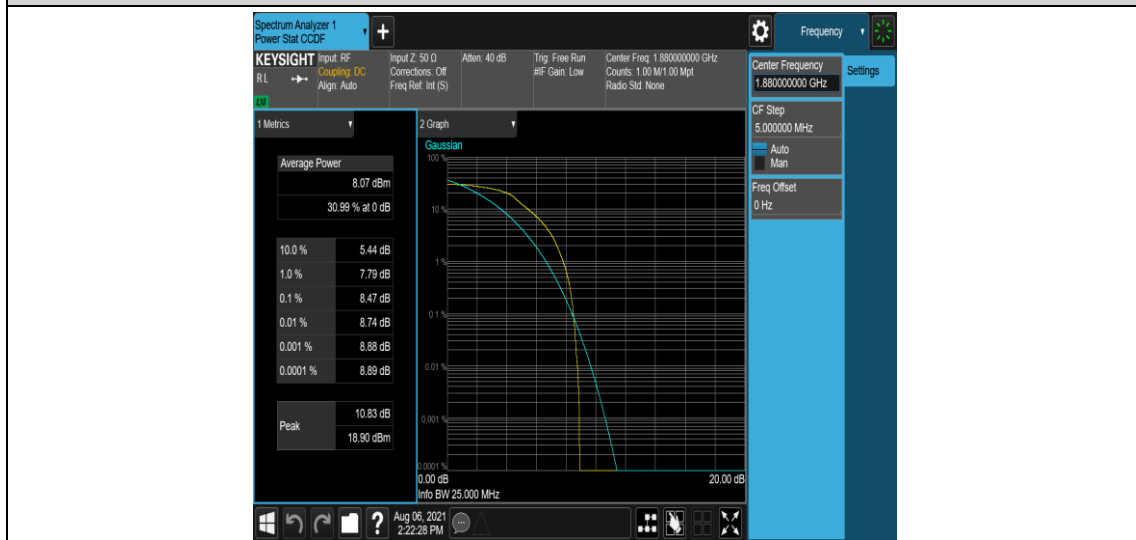




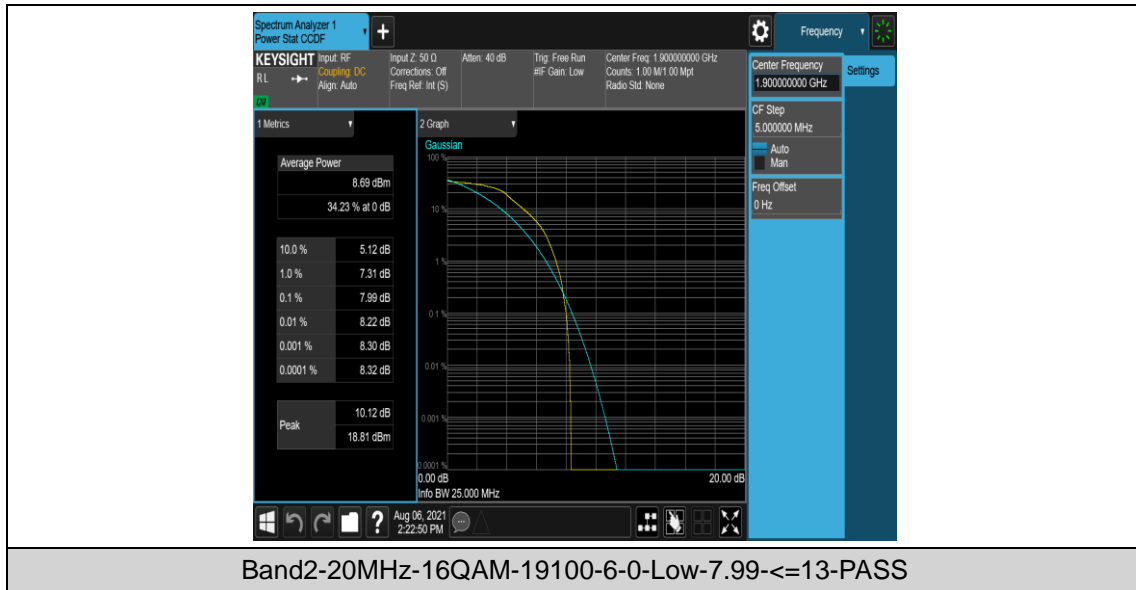
Band2-20MHz-QPSK-19100-6-0-Low-10.79-<=13-PASS



Band2-20MHz-16QAM-18700-6-0-Low-9.72-<=13-PASS



Band2-20MHz-16QAM-18900-6-0-Low-8.47-<=13-PASS



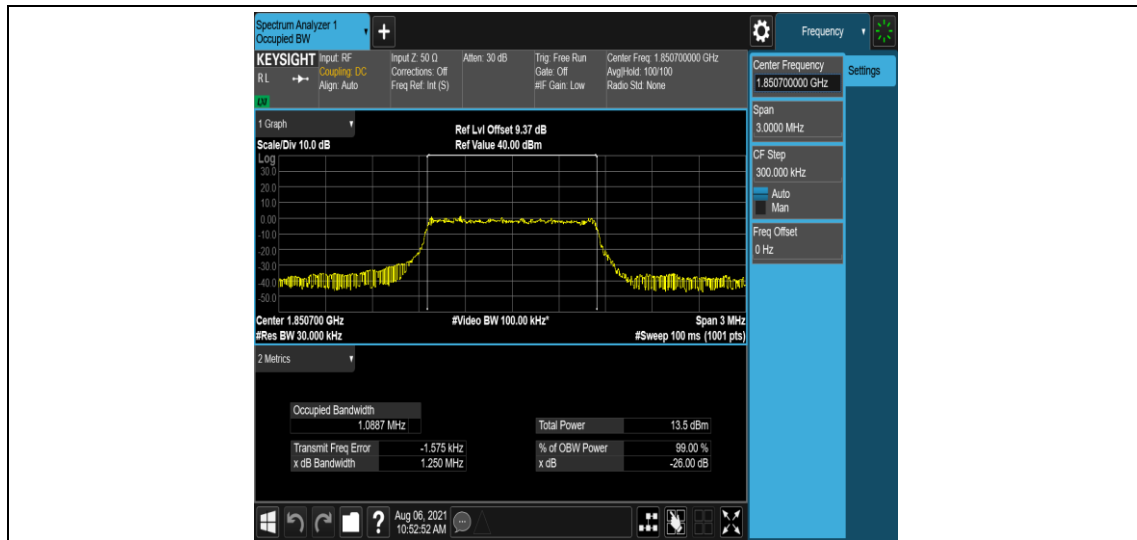
## Appendix C: 26dB Bandwidth and Occupied Bandwidth for M1

### Test Result

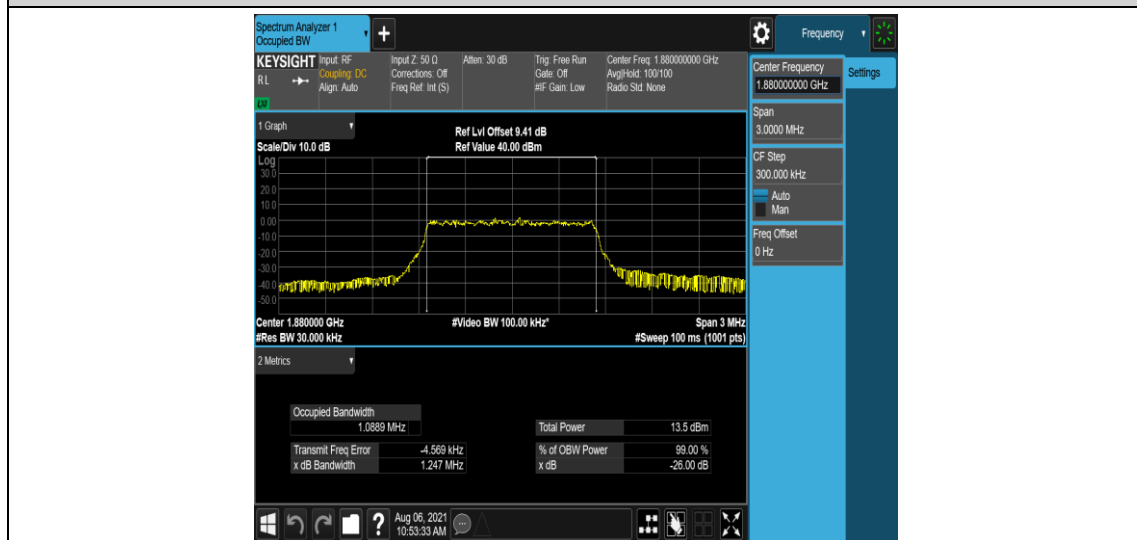
Band	Bandwidth	Channel	Modulation	RB Size	RB Start	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	18607	QPSK	6	0	1.0887	1.250	PASS
Band2	1.4MHz	18900	QPSK	6	0	1.0889	1.247	PASS
Band2	1.4MHz	19193	QPSK	6	0	1.0945	1.266	PASS
Band2	1.4MHz	18607	16QAM	6	0	1.0895	1.255	PASS
Band2	1.4MHz	18900	16QAM	6	0	1.0891	1.255	PASS
Band2	1.4MHz	19193	16QAM	6	0	1.0956	1.254	PASS
Band2	3MHz	18615	QPSK	6	0	1.1075	1.289	PASS
Band2	3MHz	18900	QPSK	6	0	1.1103	1.277	PASS
Band2	3MHz	19185	QPSK	6	0	1.1148	1.267	PASS
Band2	3MHz	18615	16QAM	6	0	1.1065	1.277	PASS
Band2	3MHz	18900	16QAM	6	0	1.1097	1.283	PASS
Band2	3MHz	19185	16QAM	6	0	1.1177	1.293	PASS
Band2	5MHz	18625	QPSK	6	0	1.1648	1.340	PASS
Band2	5MHz	18900	QPSK	6	0	1.1621	1.358	PASS
Band2	5MHz	19175	QPSK	6	0	1.1712	1.367	PASS
Band2	5MHz	18625	16QAM	6	0	1.1630	1.353	PASS
Band2	5MHz	18900	16QAM	6	0	1.1631	1.353	PASS
Band2	5MHz	19175	16QAM	6	0	1.1728	1.359	PASS
Band2	10MHz	18650	QPSK	6	0	1.1687	1.365	PASS
Band2	10MHz	18900	QPSK	6	0	1.1621	1.356	PASS
Band2	10MHz	19150	QPSK	6	0	1.1700	1.355	PASS
Band2	10MHz	18650	16QAM	6	0	1.1661	1.355	PASS
Band2	10MHz	18900	16QAM	6	0	1.1646	1.345	PASS
Band2	10MHz	19150	16QAM	6	0	1.1721	1.356	PASS
Band2	15MHz	18675	QPSK	6	0	1.4504	1.798	PASS
Band2	15MHz	18900	QPSK	6	0	1.4631	1.812	PASS
Band2	15MHz	19125	QPSK	6	0	1.4540	1.800	PASS
Band2	15MHz	18675	16QAM	6	0	1.4498	1.807	PASS
Band2	15MHz	18900	16QAM	6	0	1.4544	1.798	PASS
Band2	15MHz	19125	16QAM	6	0	1.4452	1.804	PASS
Band2	20MHz	18700	QPSK	6	0	1.8058	2.305	PASS
Band2	20MHz	18900	QPSK	6	0	1.7963	2.299	PASS
Band2	20MHz	19100	QPSK	6	0	1.7911	2.281	PASS

Band2	20MHz	18700	16QAM	6	0	1.7927	2.316	PASS
Band2	20MHz	18900	16QAM	6	0	1.7979	2.297	PASS
Band2	20MHz	19100	16QAM	6	0	1.8014	2.290	PASS

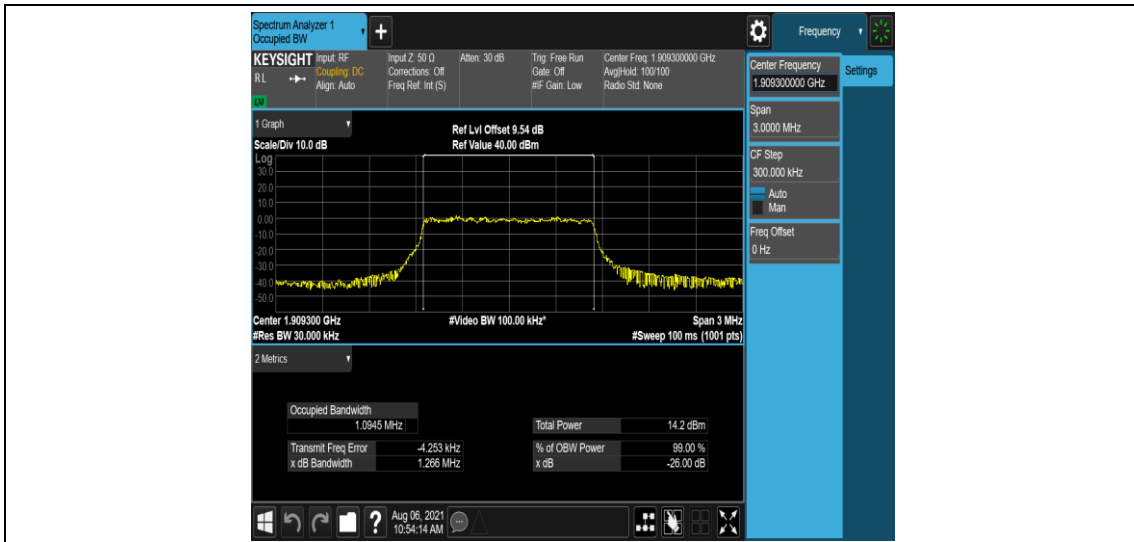
## Test Graphs



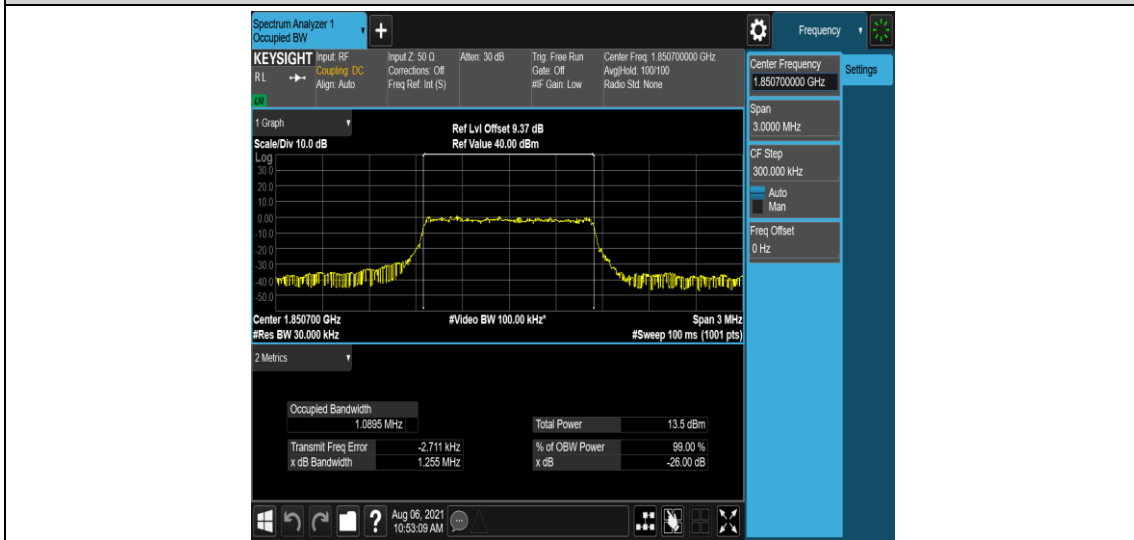
Band2-1.4MHz-QPSK-18607-6-0-Low-1.0887-1.250-PASS



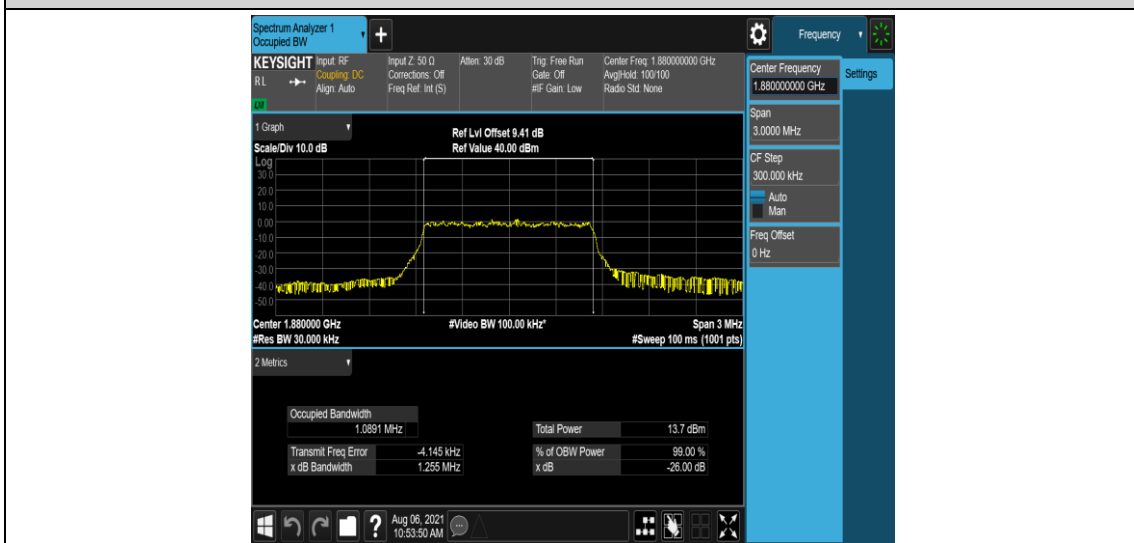
Band2-1.4MHz-QPSK-18900-6-0-Low-1.0889-1.247-PASS



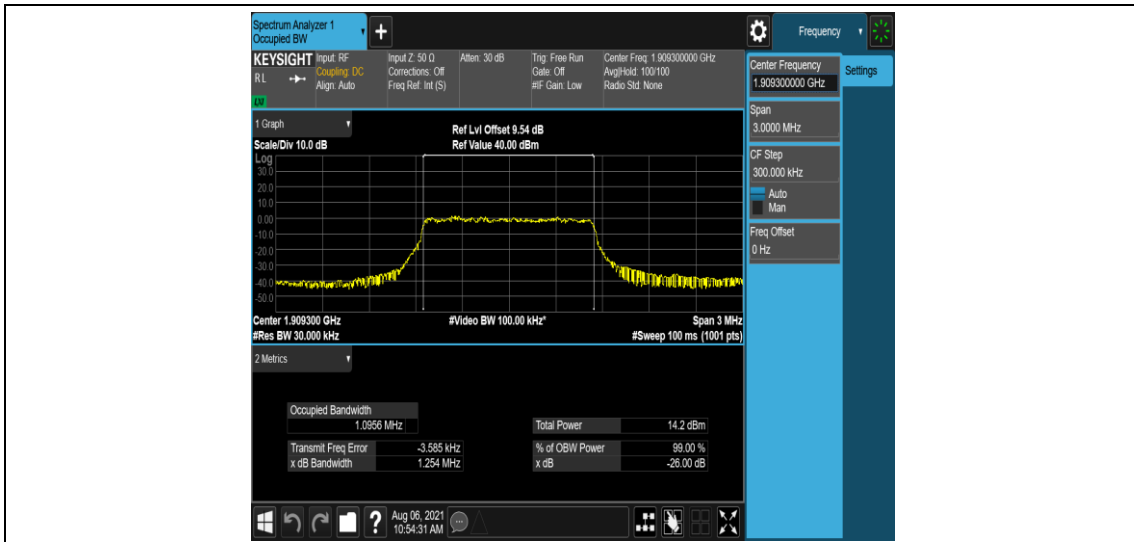
Band2-1.4MHz-QPSK-19193-6-0-High-1.0945-1.266-PASS



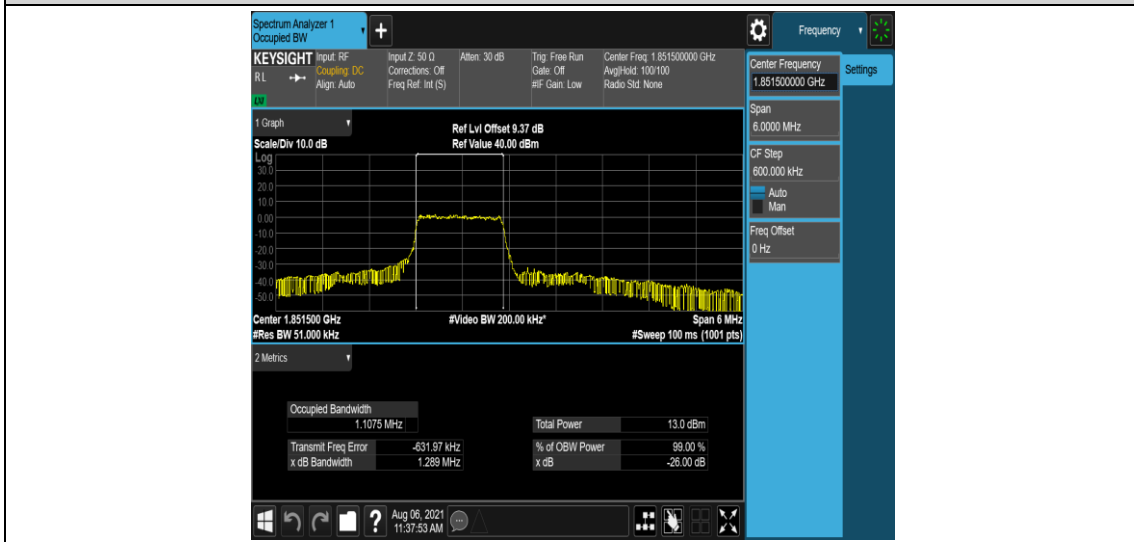
Band2-1.4MHz-16QAM-18607-6-0-Low-1.0895-1.255-PASS



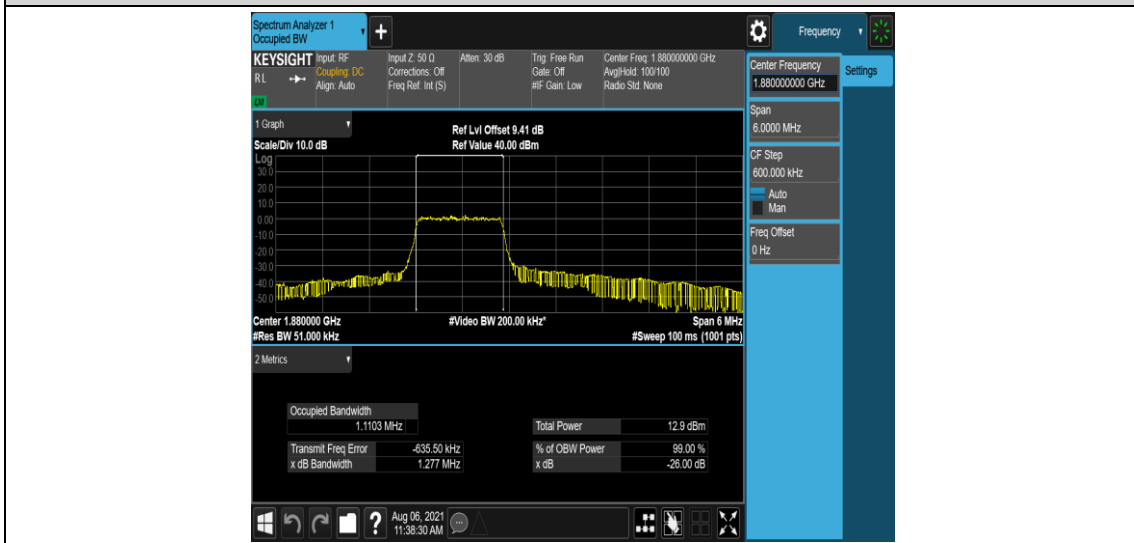
Band2-1.4MHz-16QAM-18900-6-0-Low-1.0891-1.255-PASS



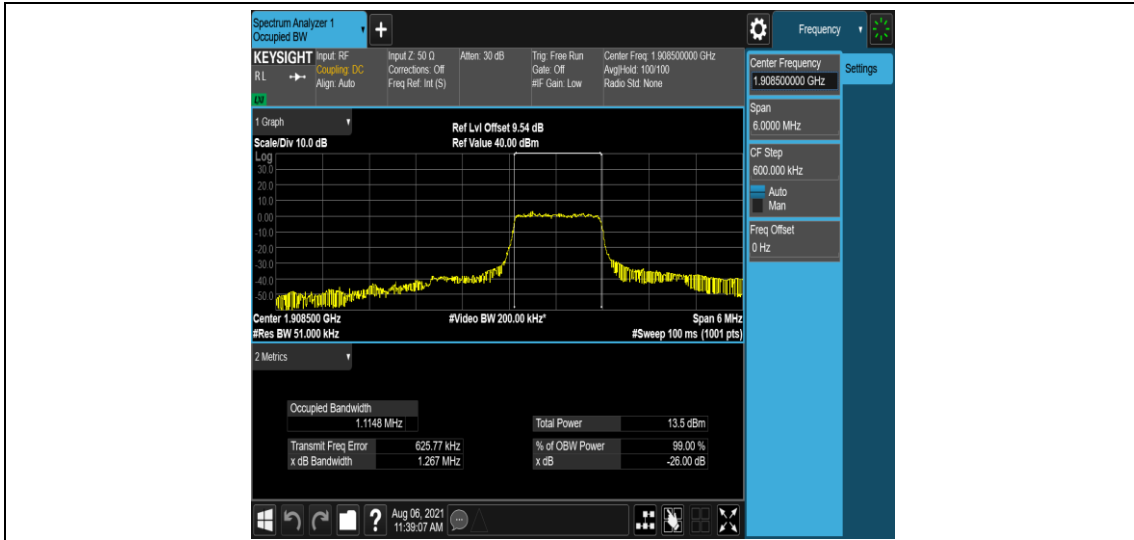
Band2-1.4MHz-16QAM-19193-6-0-High-1.0956-1.254-PASS



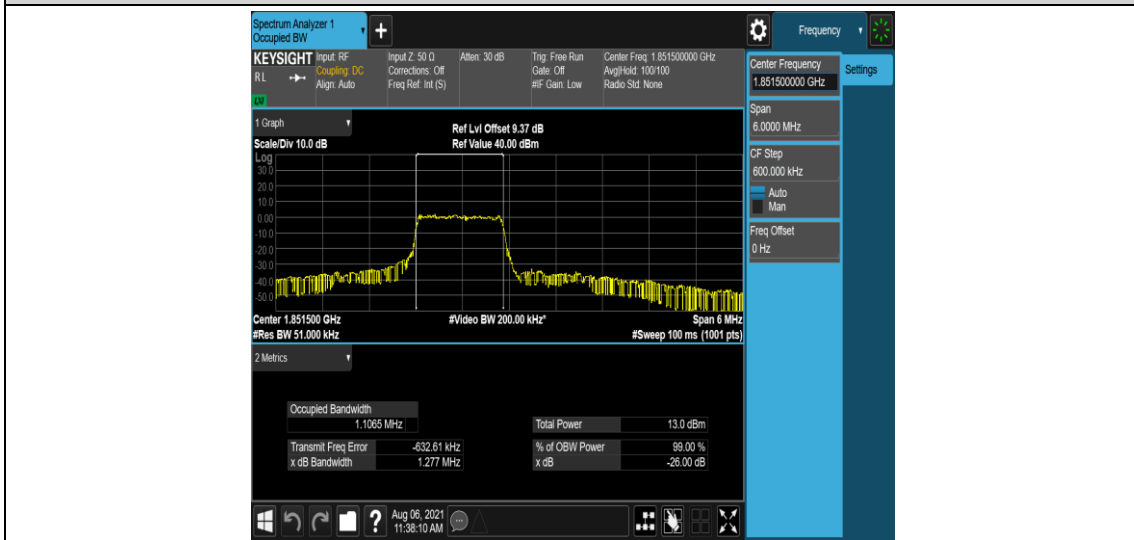
Band2-3MHz-QPSK-18615-6-0-Low-1.1075-1.289-PASS



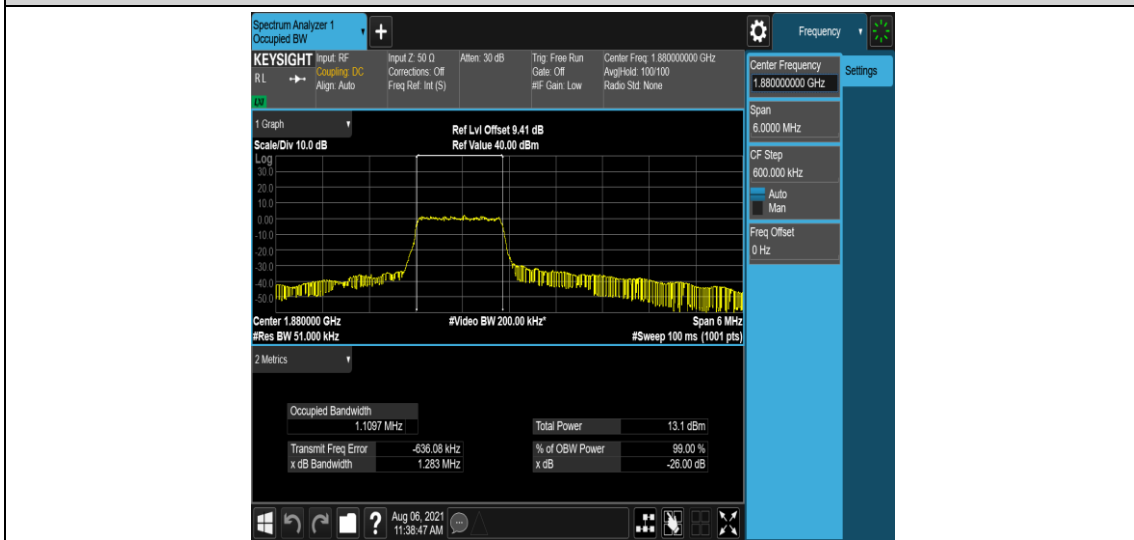
Band2-3MHz-QPSK-18900-6-0-Low-1.1103-1.277-PASS



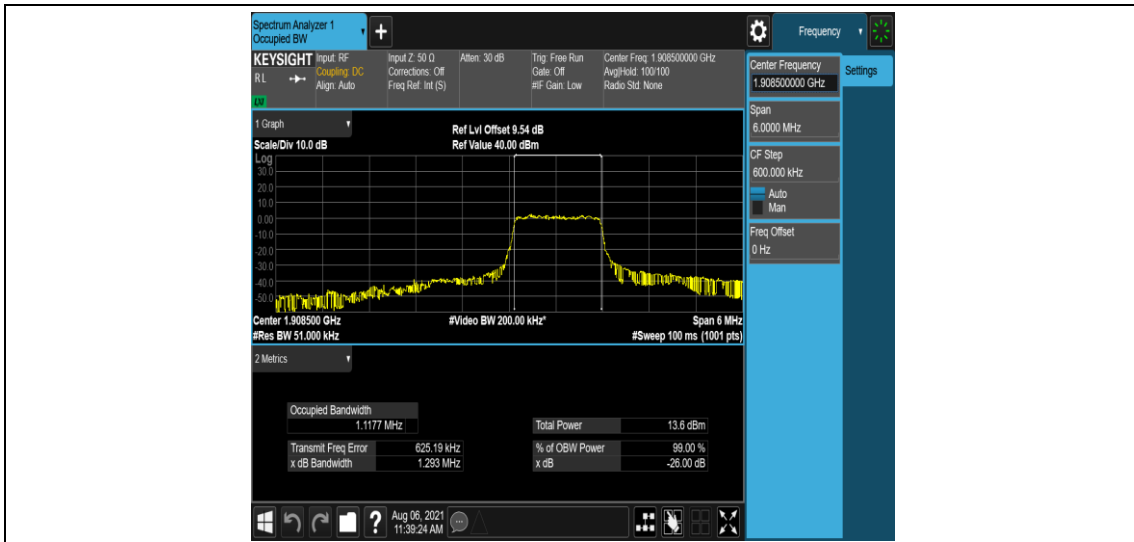
Band2-3MHz-QPSK-19185-6-0-High-1.1148-1.267-PASS



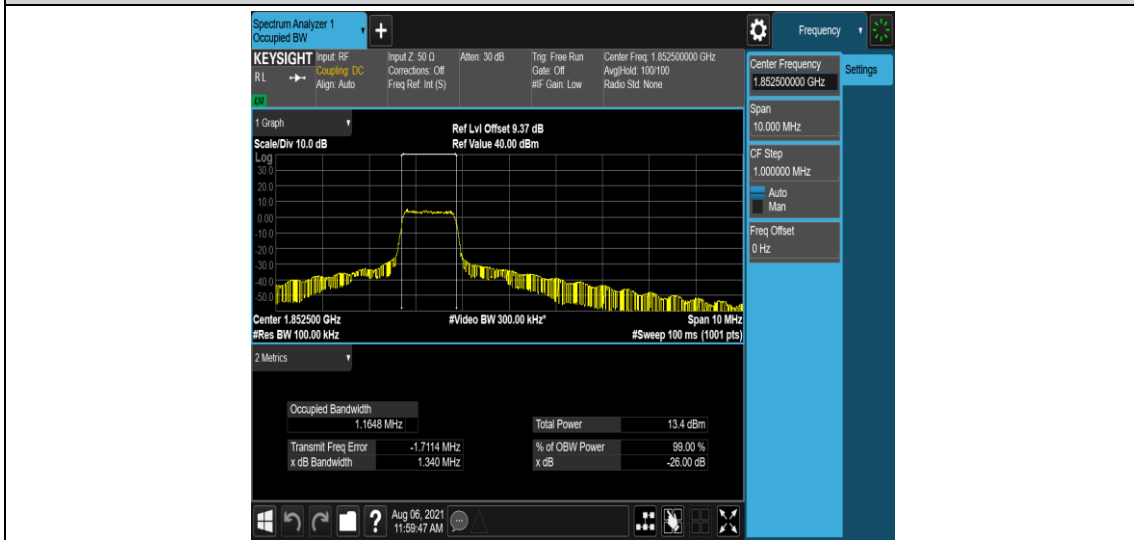
Band2-3MHz-16QAM-18615-6-0-Low-1.1065-1.277-PASS



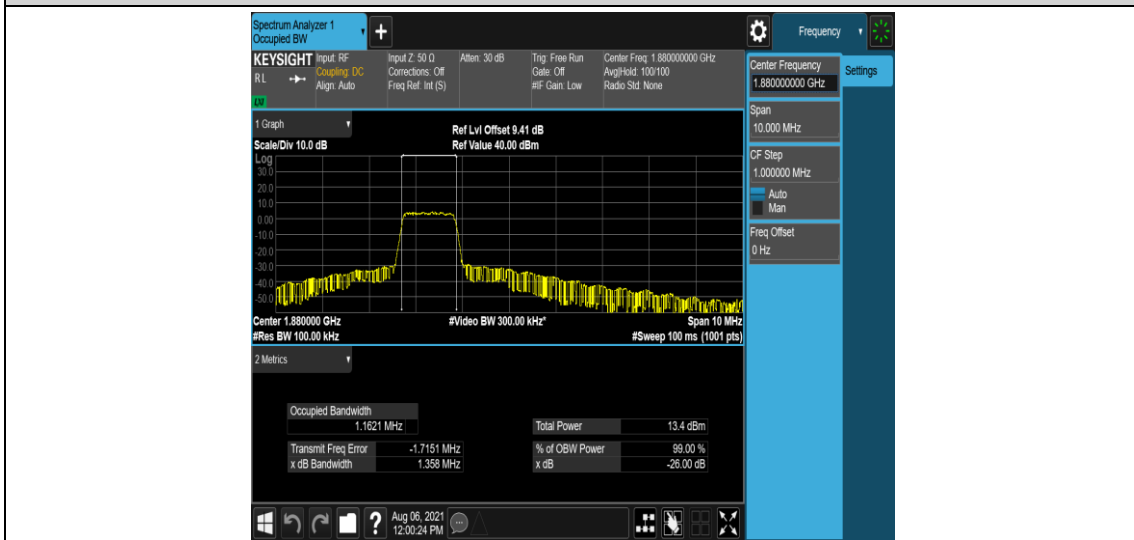
Band2-3MHz-16QAM-18900-6-0-Low-1.1097-1.283-PASS



Band2-3MHz-16QAM-19185-6-0-High-1.1177-1.293-PASS

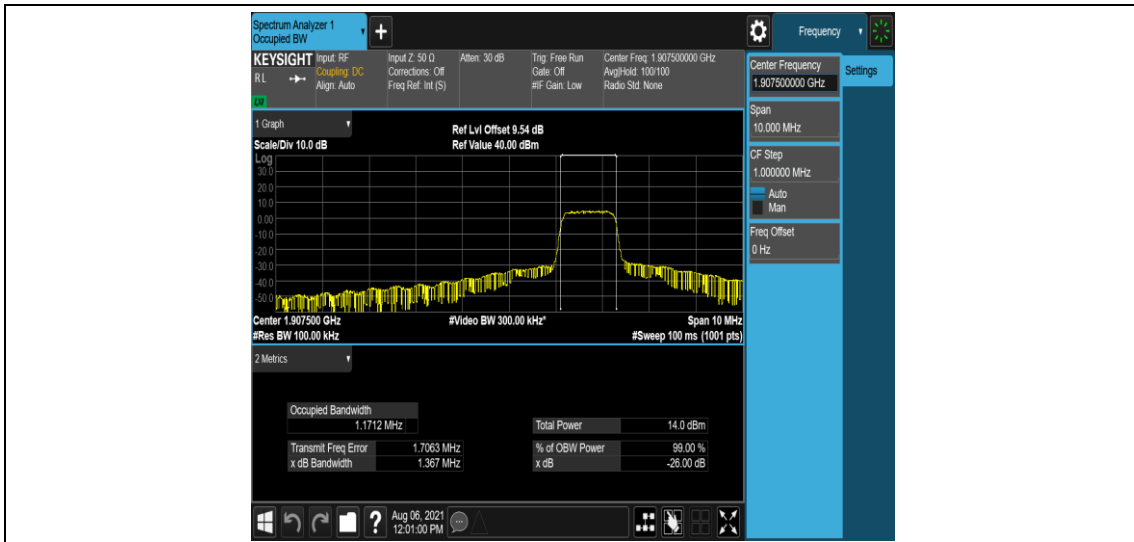


Band2-5MHz-QPSK-18625-6-0-Low-1.1648-1.340-PASS

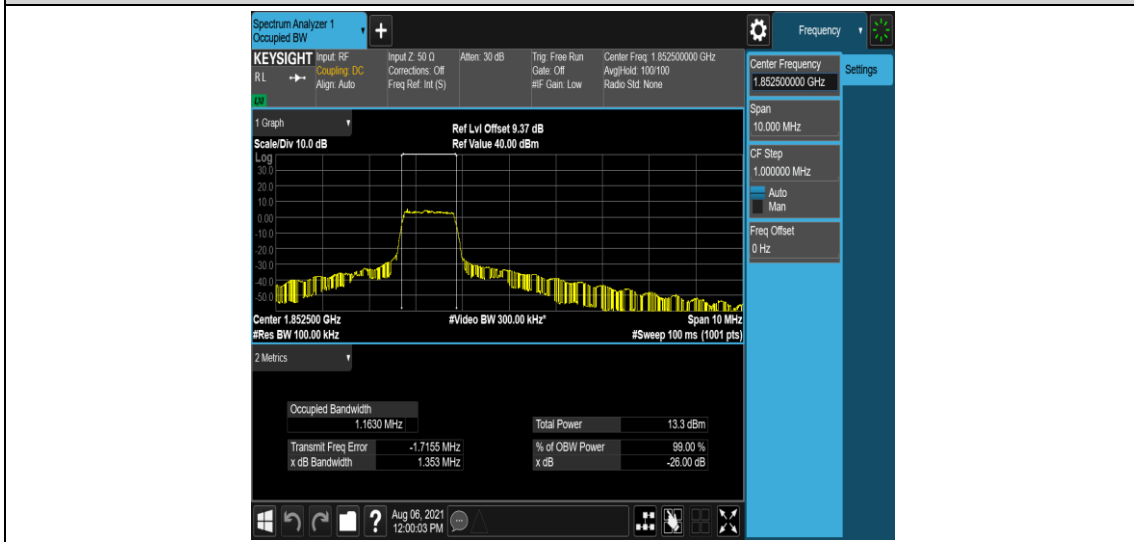


Band2-5MHz-QPSK-18900-6-0-Low-1.1621-1.358-PASS

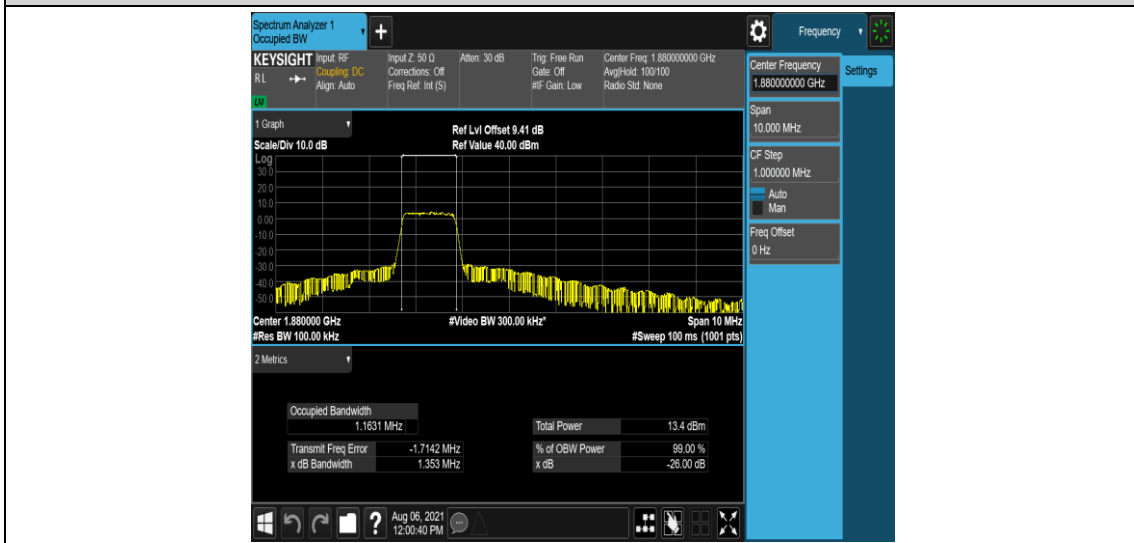




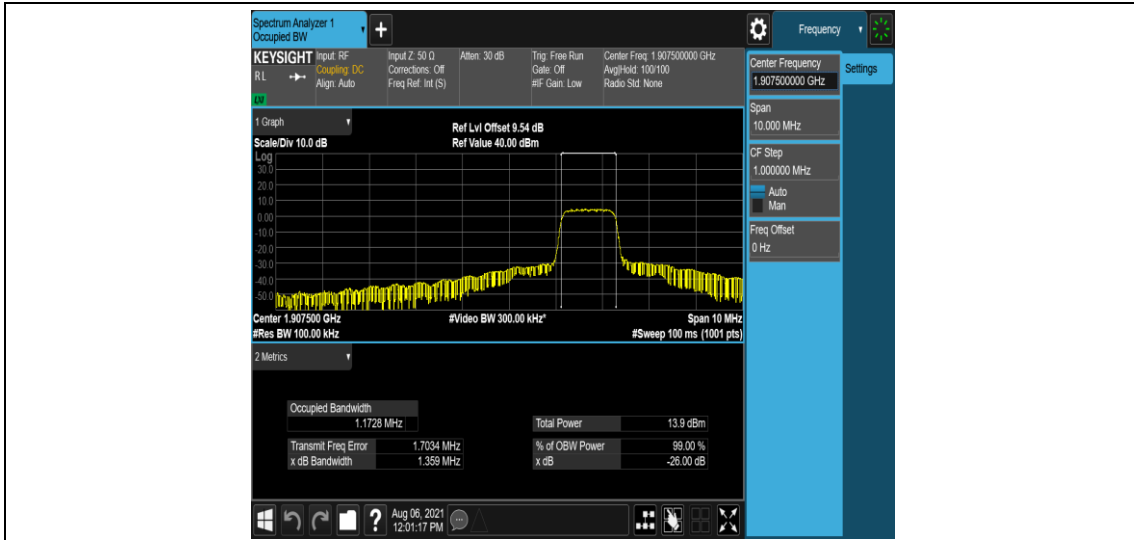
Band2-5MHz-QPSK-19175-6-0-High-1.1712-1.367-PASS



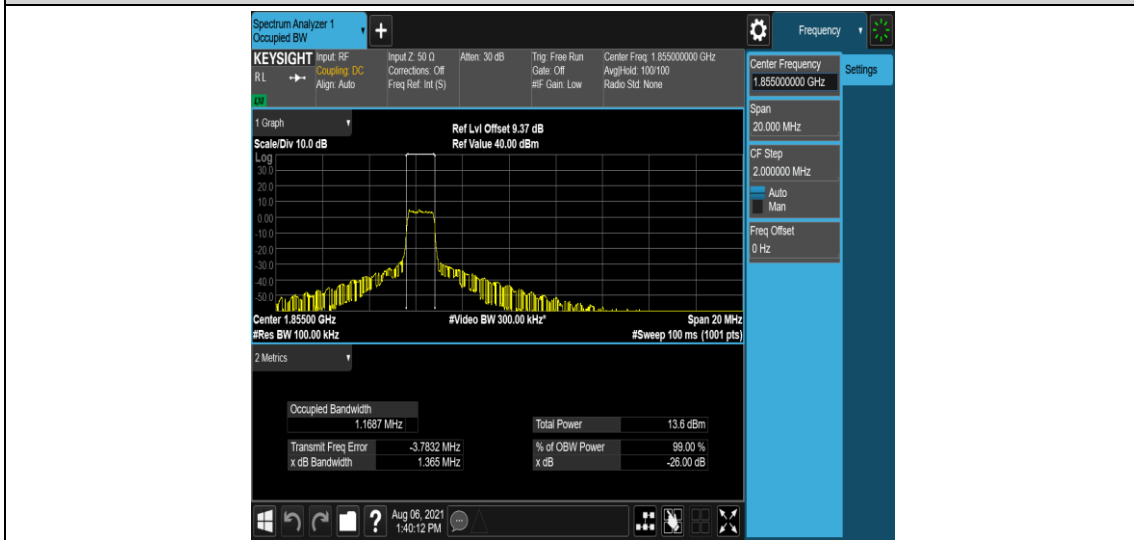
Band2-5MHz-16QAM-18625-6-0-Low-1.1630-1.353-PASS



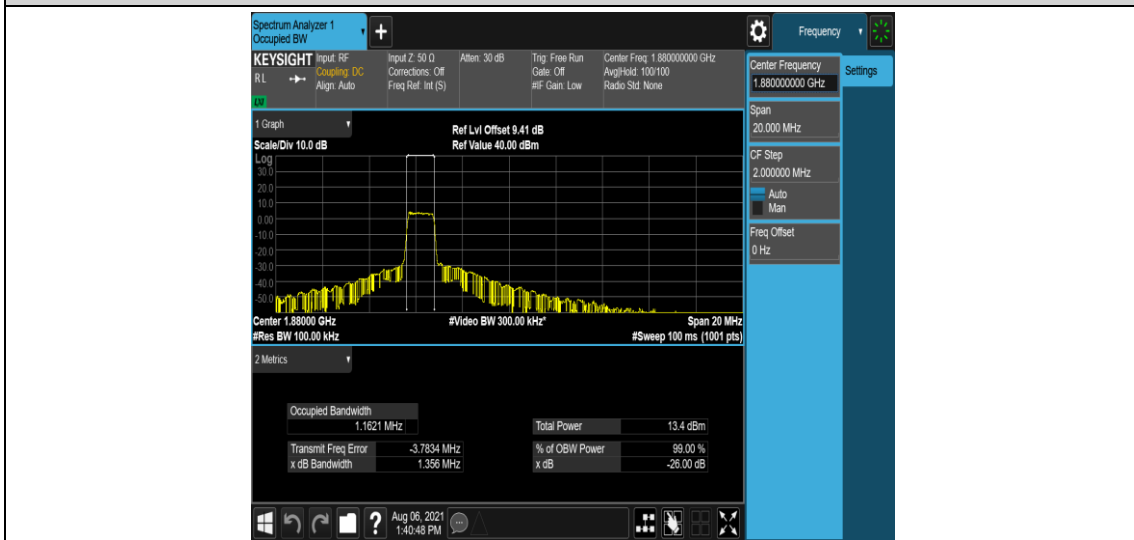
Band2-5MHz-16QAM-18900-6-0-Low-1.1631-1.353-PASS



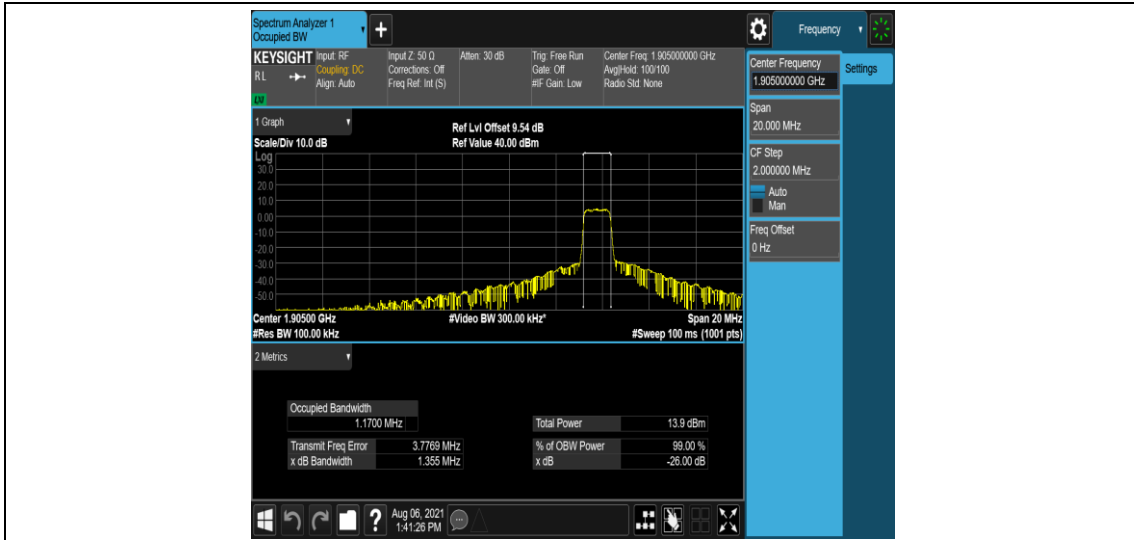
Band2-5MHz-16QAM-19175-6-0-High-1.1728-1.359-PASS



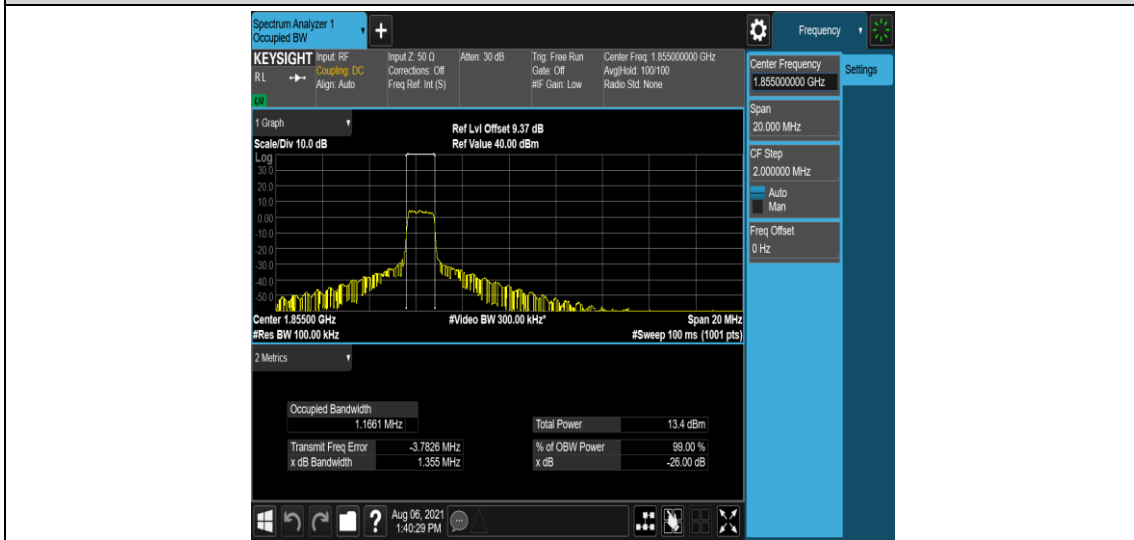
Band2-10MHz-QPSK-18650-6-0-Low-1.1687-1.365-PASS



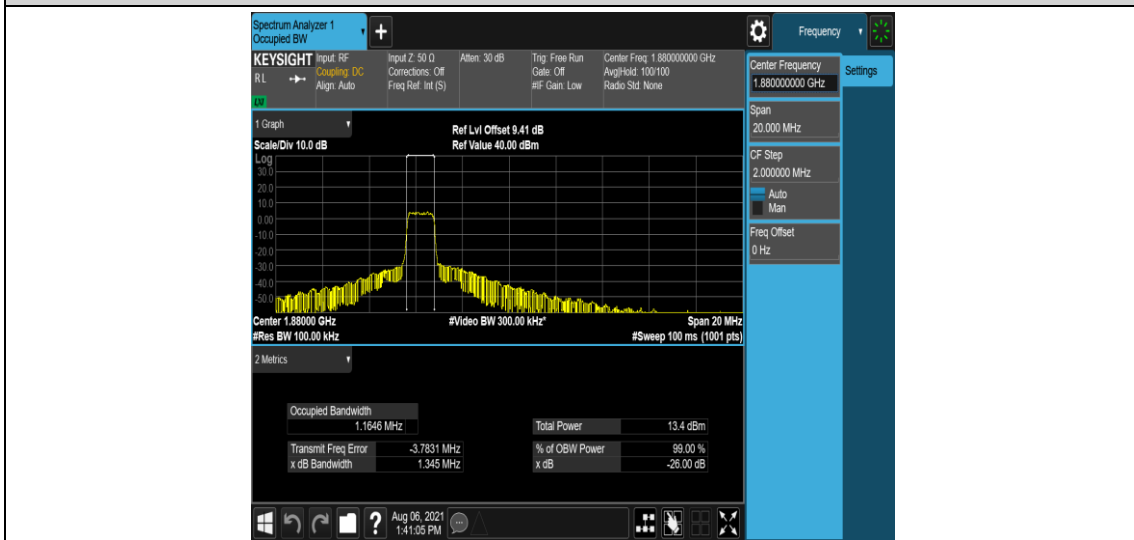
Band2-10MHz-QPSK-18900-6-0-Low-1.1621-1.356-PASS



Band2-10MHz-QPSK-19150-6-0-High-1.1700-1.355-PASS



Band2-10MHz-16QAM-18650-6-0-Low-1.1661-1.355-PASS



Band2-10MHz-16QAM-18900-6-0-Low-1.1646-1.345-PASS