

Appendix for Band 5

Product Name: Smart Phone

Model No: F91 5G

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.89	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.92	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.95	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.96	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.19	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.06	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.04	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.06	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.06	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.06	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.05	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.16	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.13	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.08	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.12	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.16	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.15	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.21	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.03	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.96	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.92	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.92	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.91	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.02	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.04	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.98	PASS

Band5	1.4MHz	16QAM	20525	3RB#1	22.98	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.95	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.96	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.10	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.13	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.07	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.06	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.05	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.06	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.07	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.98	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.09	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.10	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.05	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.09	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.98	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.08	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.05	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.08	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.08	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.08	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.12	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.13	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.13	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.12	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.18	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.18	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.17	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.18	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.17	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.14	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.09	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.15	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.15	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.12	PASS

Band5	3MHz	16QAM	20415	15RB#0	22.10	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.03	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.02	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.00	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.06	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.07	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.10	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.01	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.21	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.19	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.21	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.23	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.23	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.24	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.22	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.18	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.21	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.16	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.21	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.21	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.14	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.17	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.03	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.12	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.13	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.14	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.16	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.08	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.11	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.29	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.30	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.29	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.24	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.23	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.26	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.26	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.10	PASS

Band5	5MHz	16QAM	20425	1RB#12	23.04	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.06	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.15	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.16	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.10	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.18	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.18	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.25	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.24	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.19	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.20	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.10	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.08	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.20	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.17	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.19	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.25	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.25	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.24	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.09	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.04	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.98	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.12	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.13	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.13	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.95	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.12	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.07	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.11	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.14	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.12	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.12	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.15	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.36	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.11	PASS

Band5	10MHz	QPSK	20600	25RB#0	23.24	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.24	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.27	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.25	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.17	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.13	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.10	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.09	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.08	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.14	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.96	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.06	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.07	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.14	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.12	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.13	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.11	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.24	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.23	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.21	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.23	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.22	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.25	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.24	PASS

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

Test Result

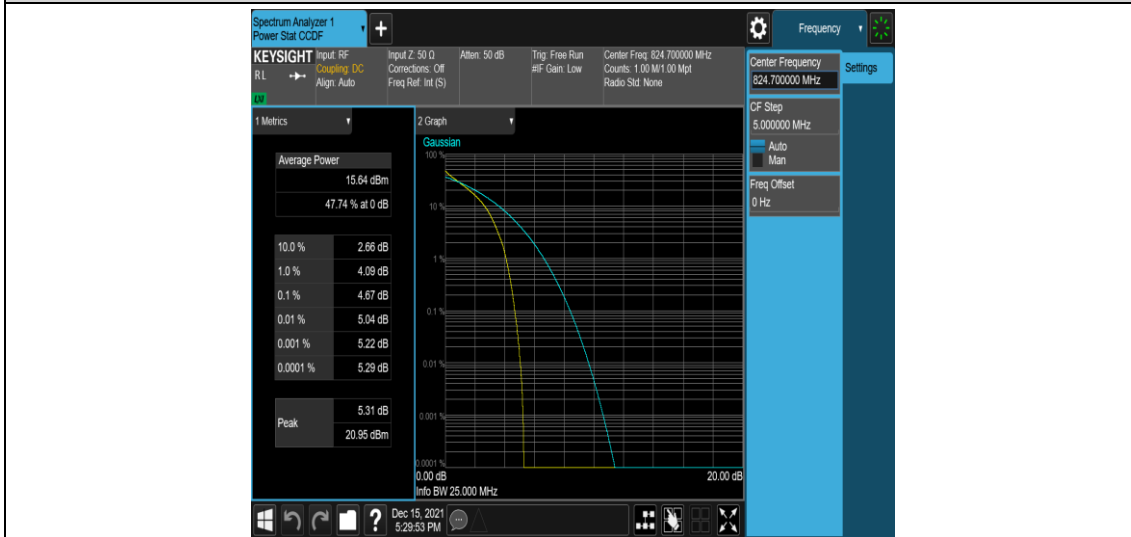
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.13	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.67	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.58	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.04	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.53	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.95	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.04	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.51	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.96	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.80	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.08	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.80	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.64	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.18	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.70	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.21	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.89	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.66	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.47	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.03	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.41	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.03	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.08	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.79	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.68	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.14	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.54	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.23	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.80	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.62	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.96	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.24	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	6.01	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.12	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.01	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.74	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.08	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.20	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.22	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.93	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.89	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.55	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.96	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.01	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.05	13	PASS

Test Graphs



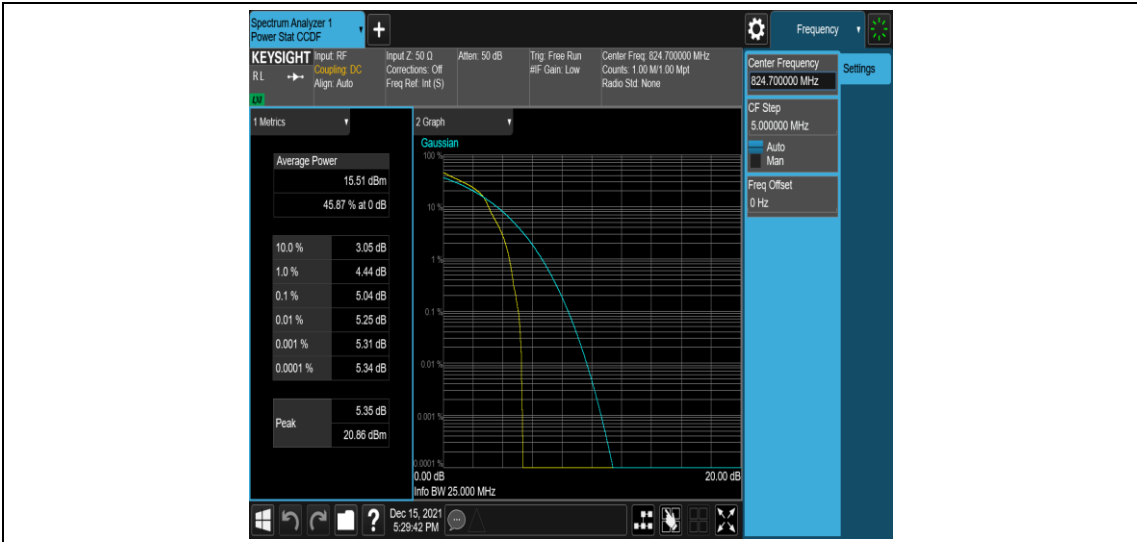
Band5-1.4MHz-QPSK-20407-1RB#0



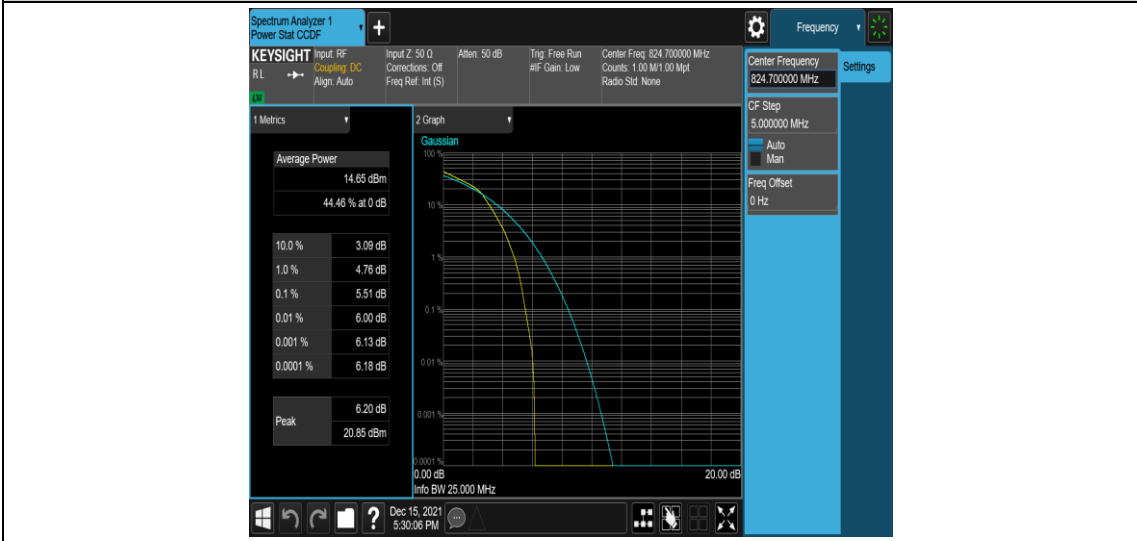
Band5-1.4MHz-QPSK-20407-6RB#0



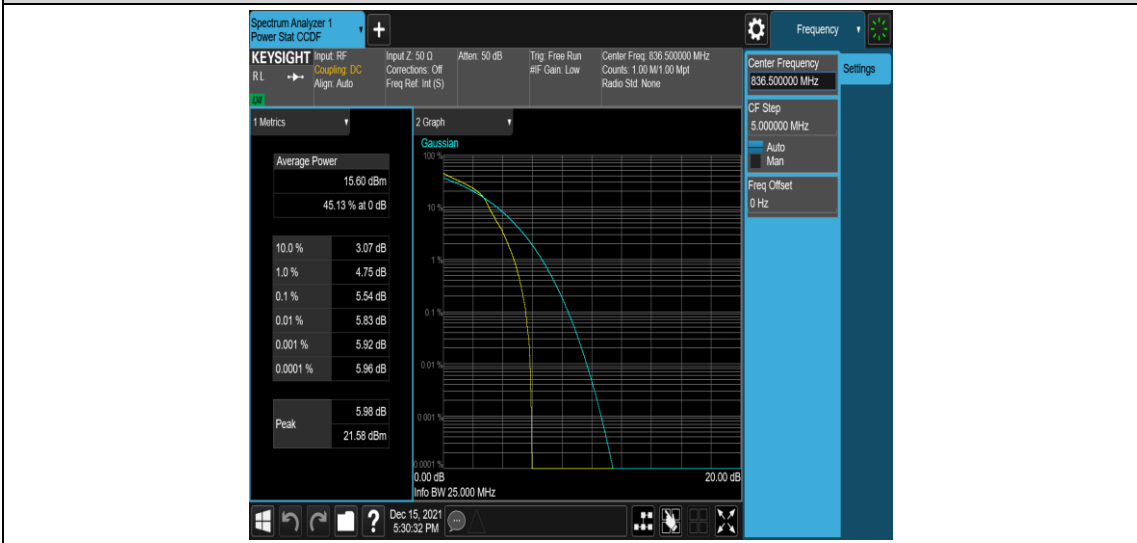




Band5-1.4MHz-16QAM-20407-1RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



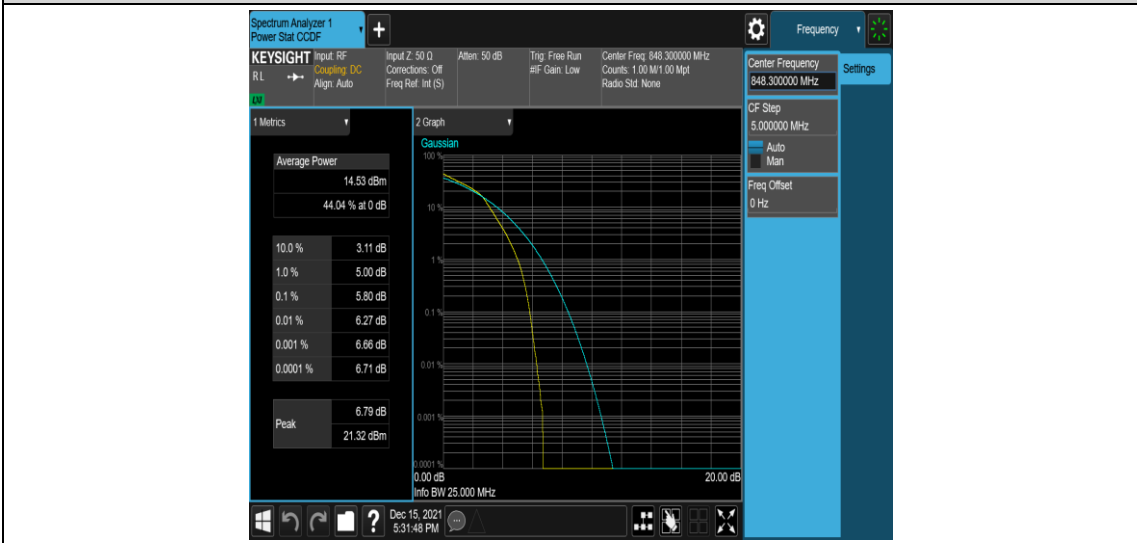
Band5-1.4MHz-16QAM-20525-1RB#0



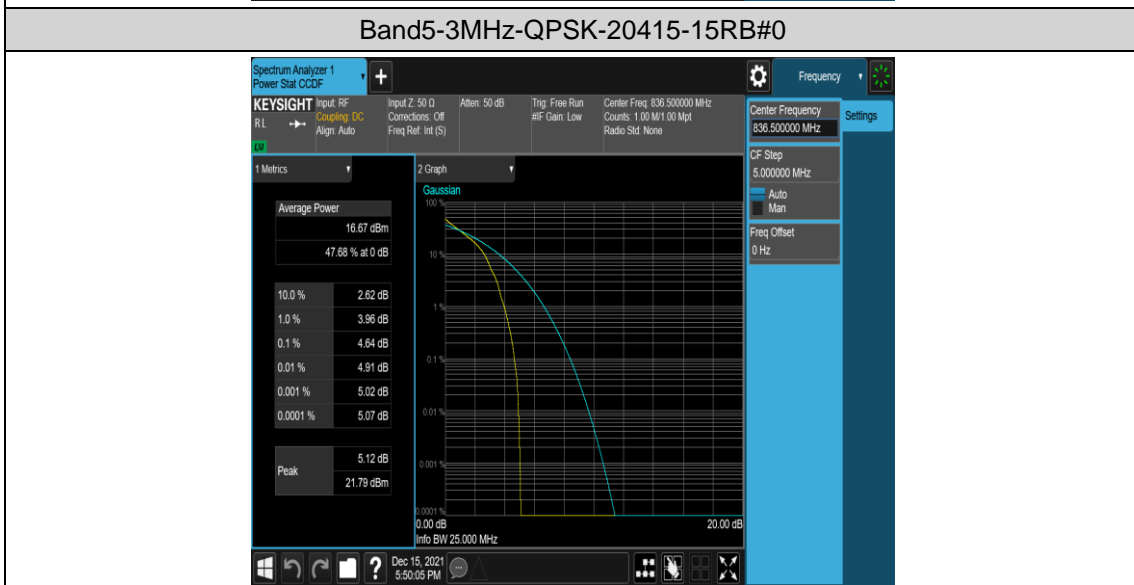
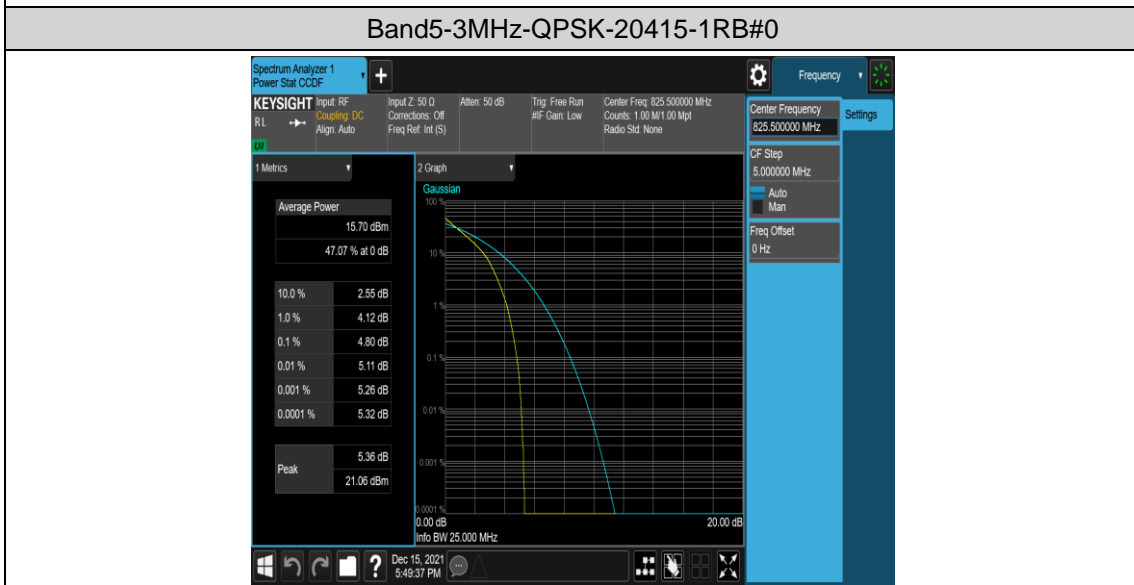
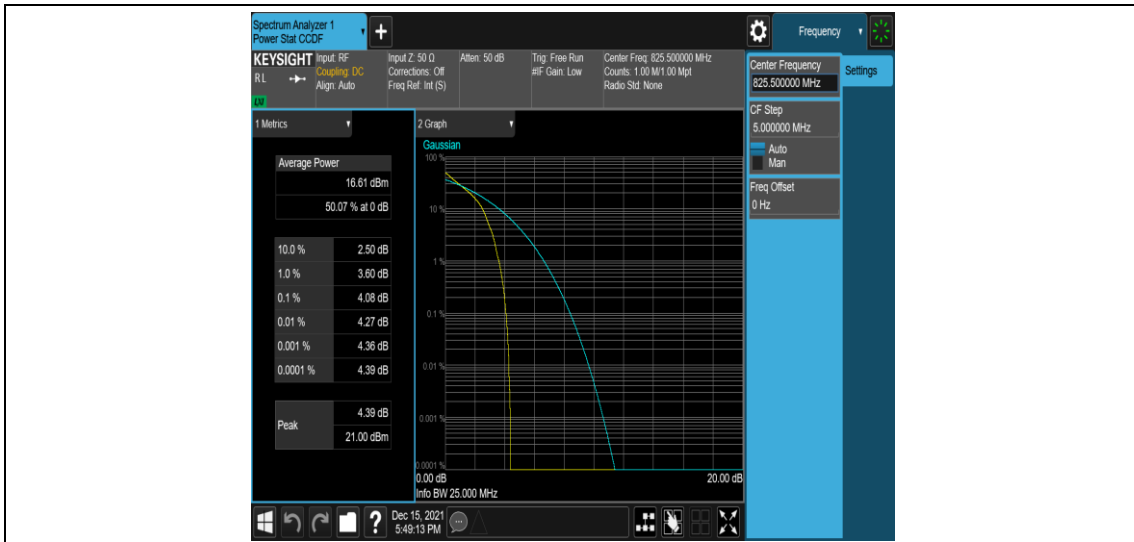
Band5-1.4MHz-16QAM-20525-6RB#0

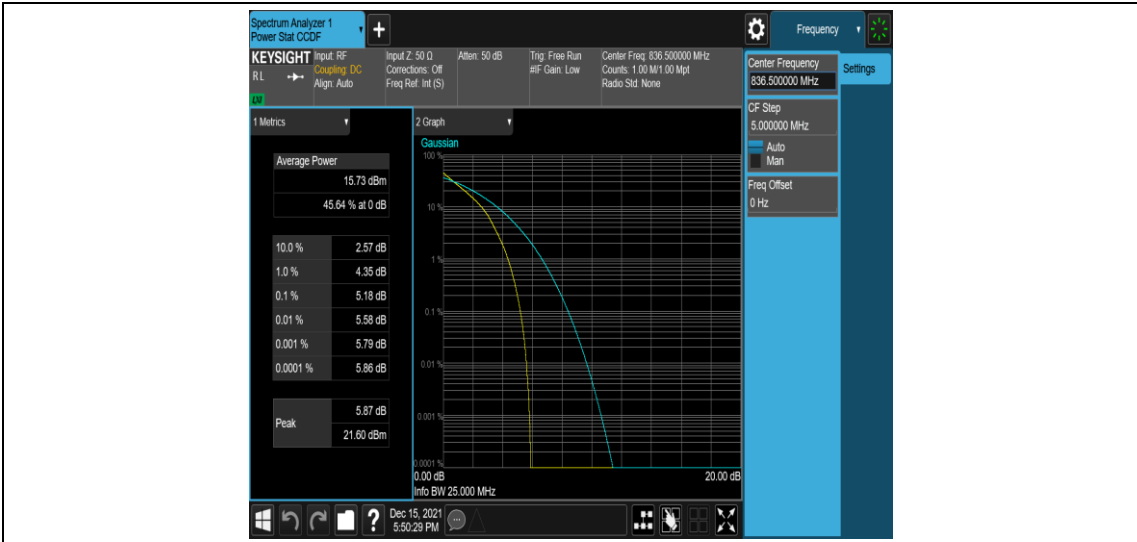


Band5-1.4MHz-16QAM-20643-1RB#0

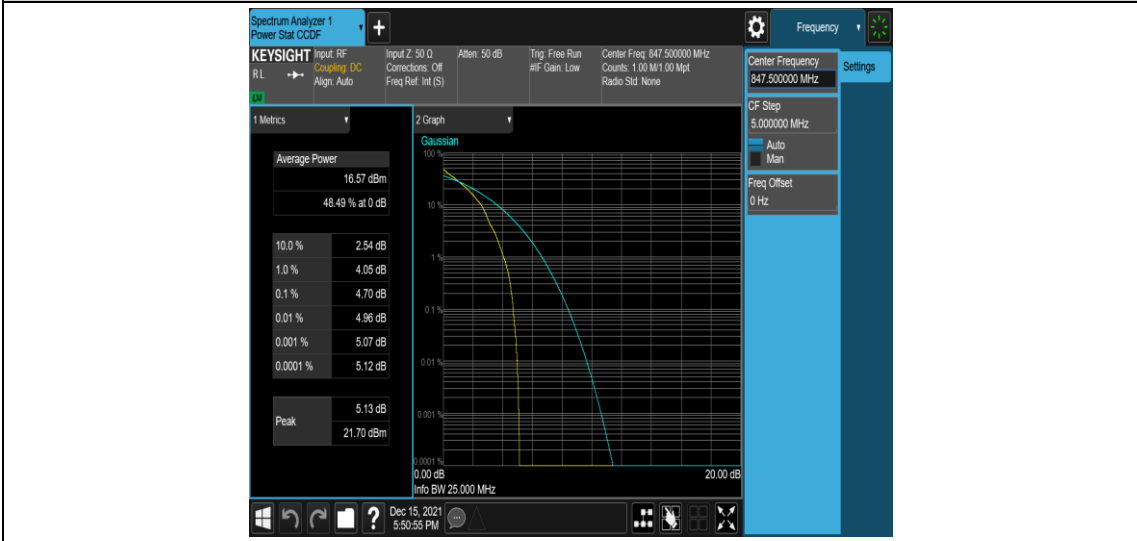


Band5-1.4MHz-16QAM-20643-6RB#0

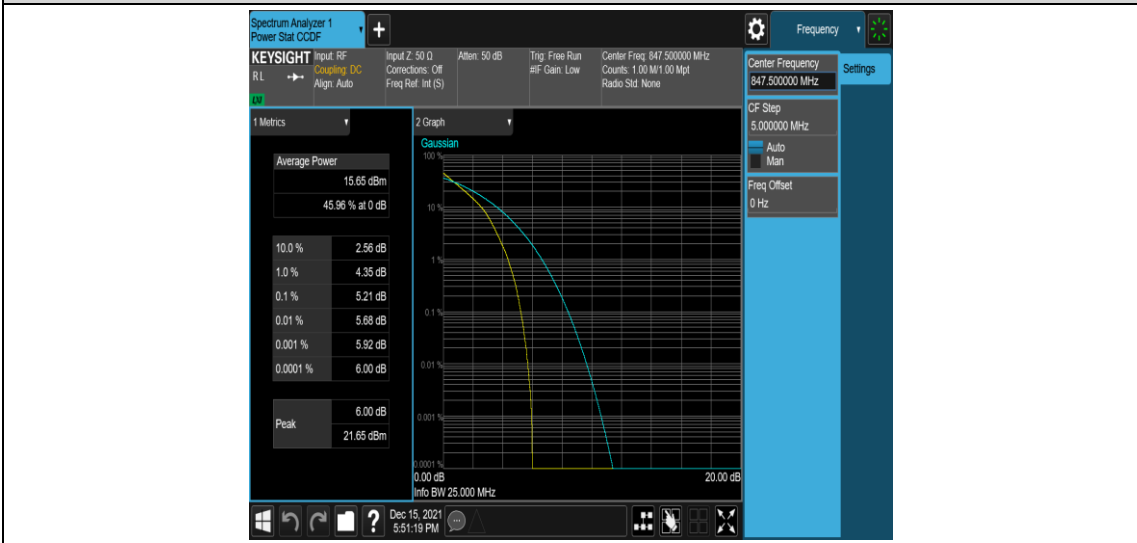




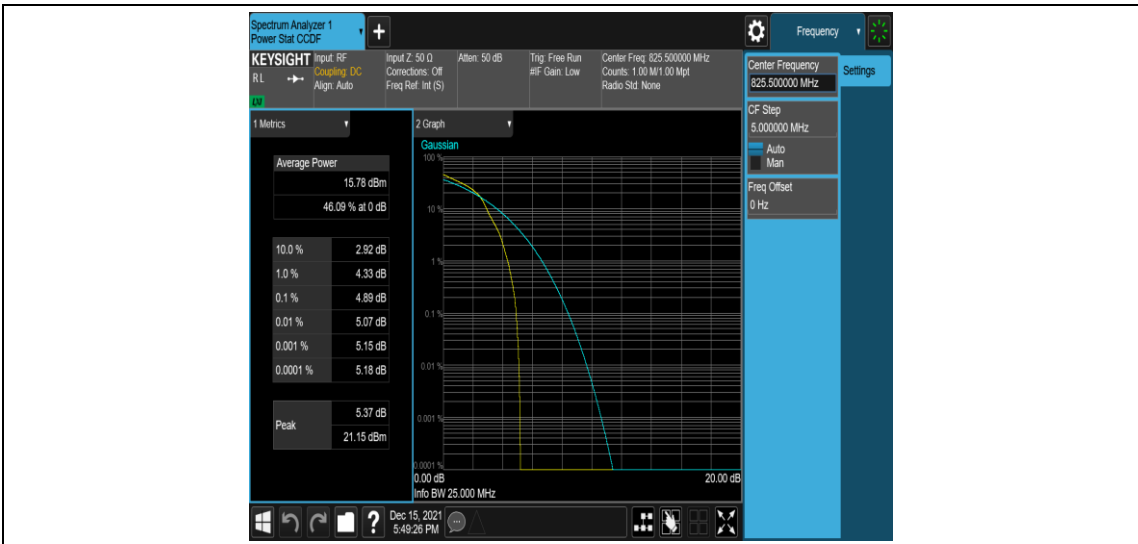
Band5-3MHz-QPSK-20525-15RB#0



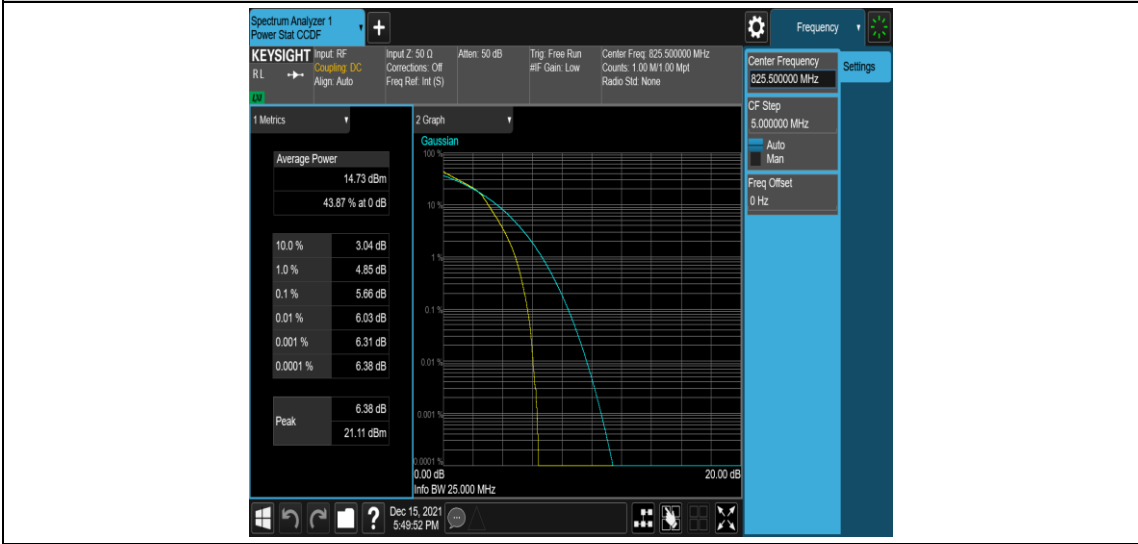
Band5-3MHz-QPSK-20635-1RB#0



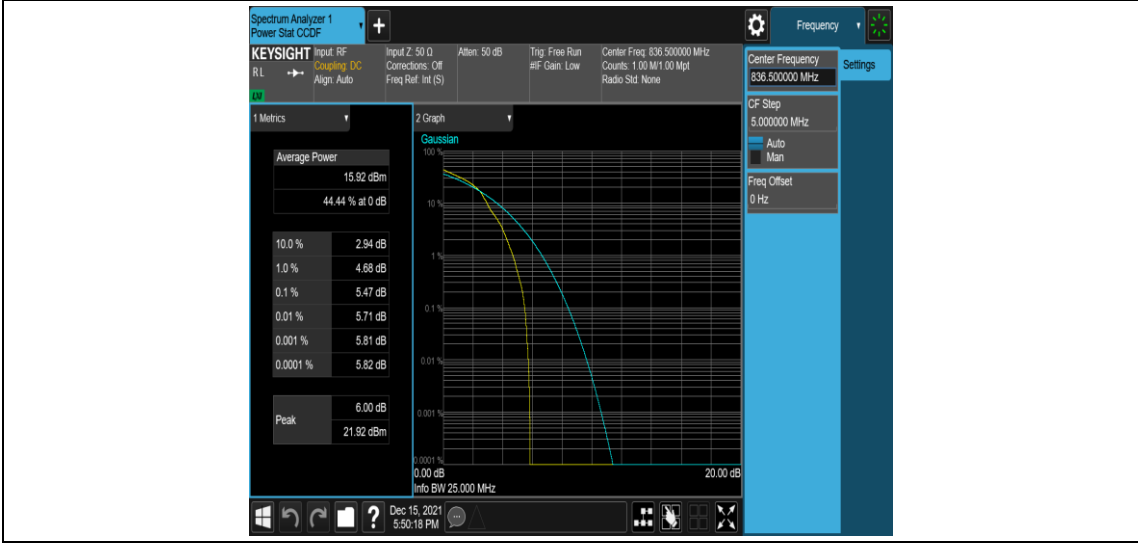
Band5-3MHz-QPSK-20635-15RB#0



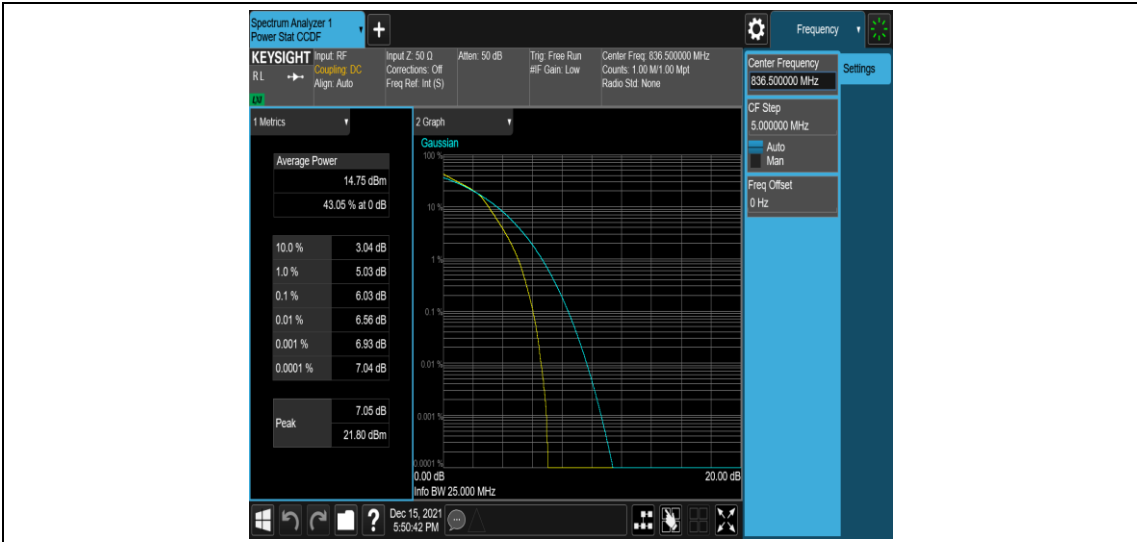
Band5-3MHz-16QAM-20415-1RB#0



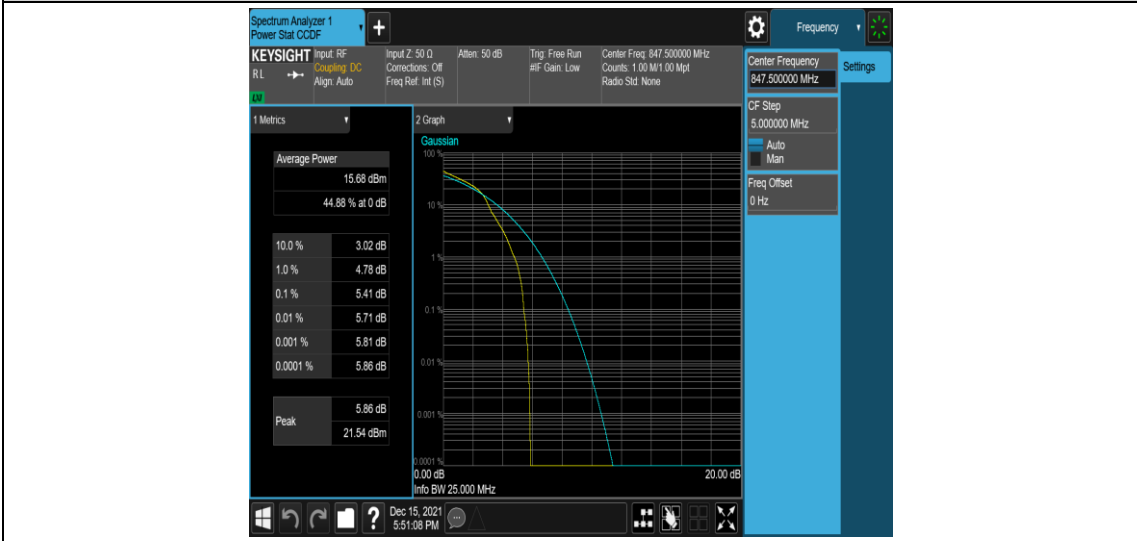
Band5-3MHz-16QAM-20415-15RB#0



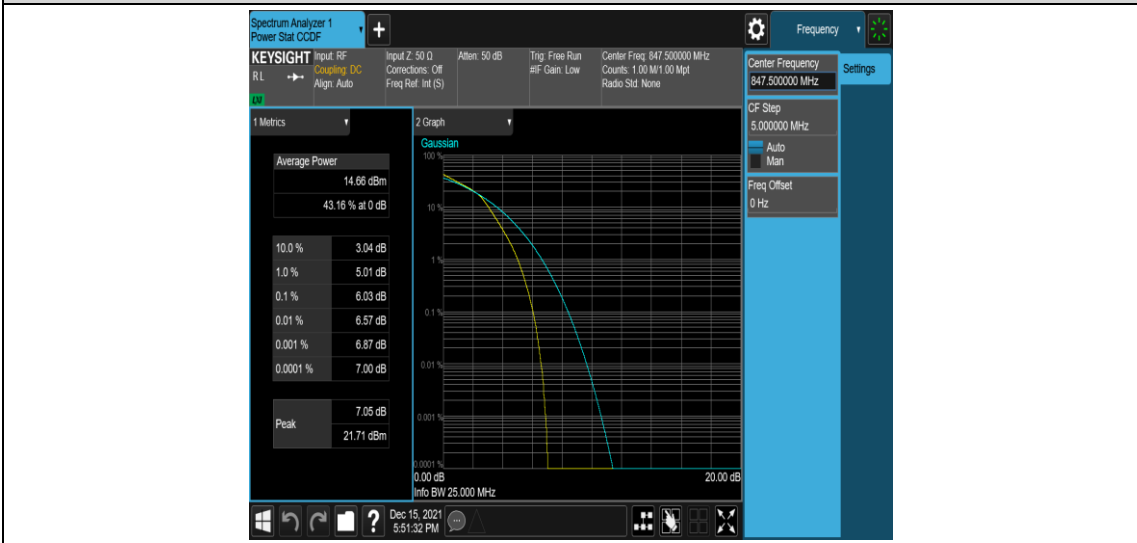
Band5-3MHz-16QAM-20525-1RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-1RB#0



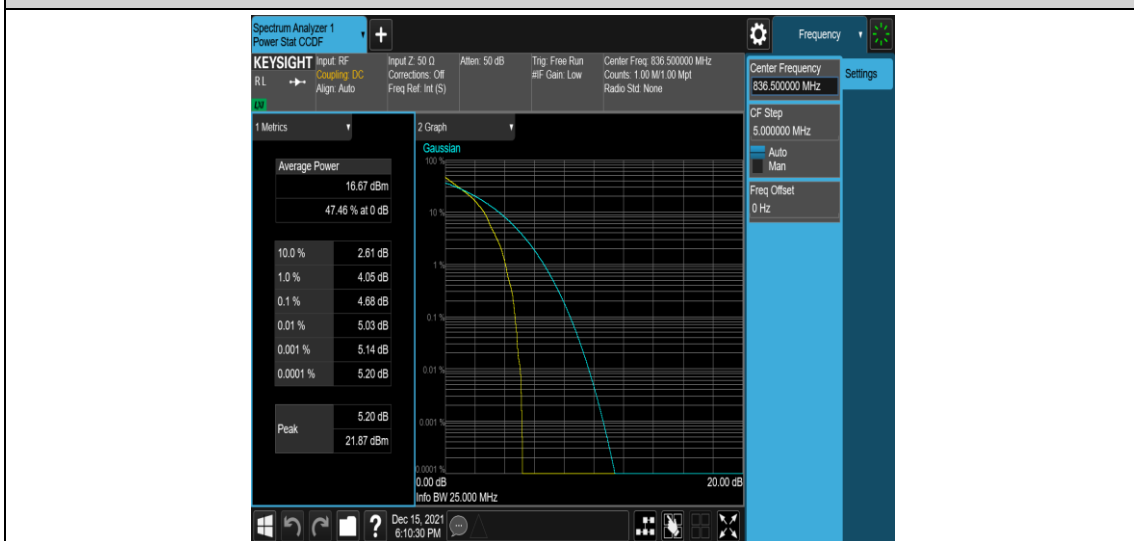
Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-1RB#0



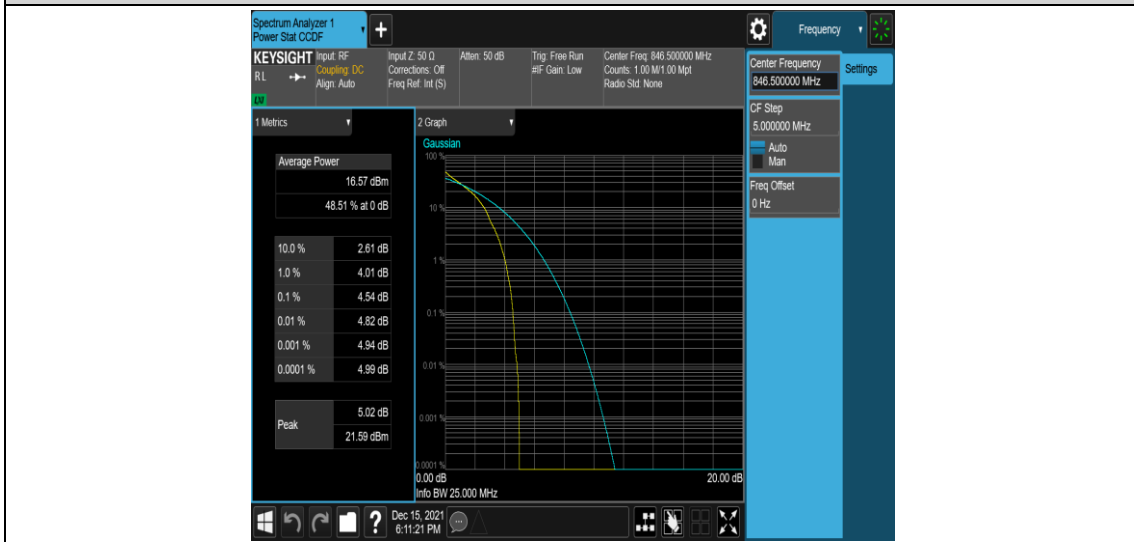
Band5-5MHz-QPSK-20425-25RB#0



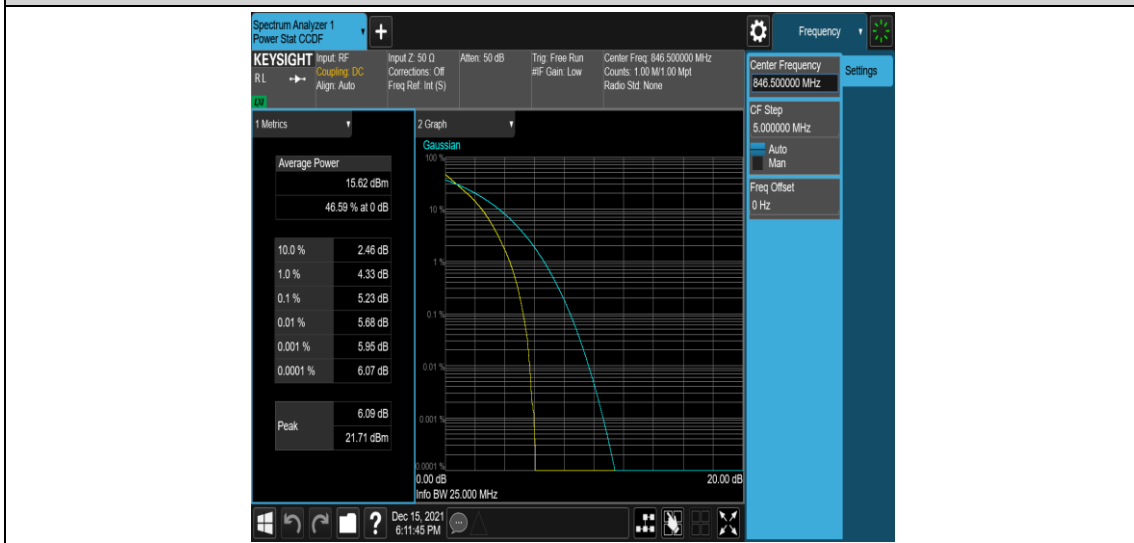
Band5-5MHz-QPSK-20525-1RB#0



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-1RB#0



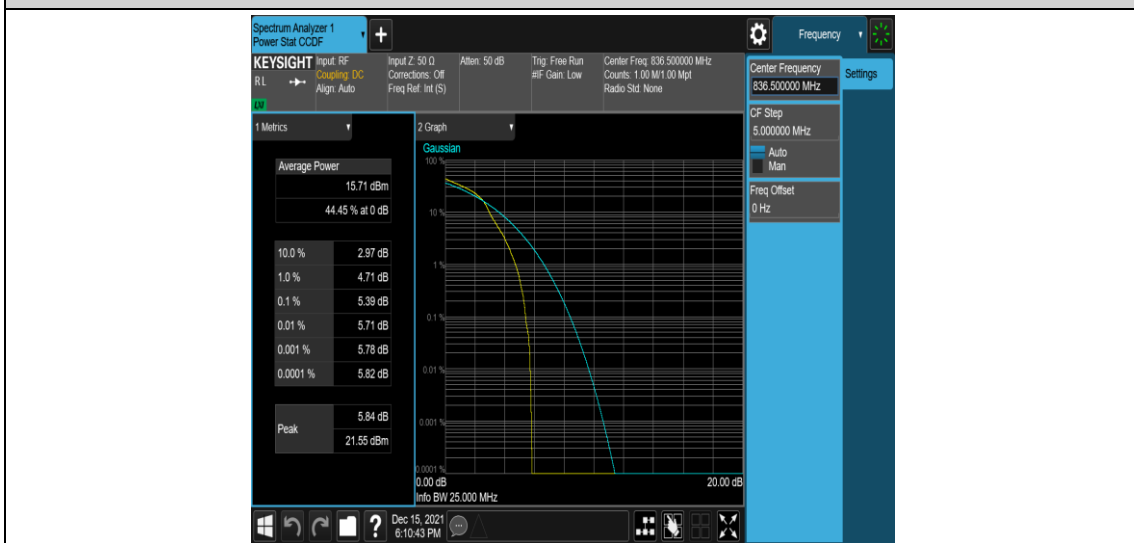
Band5-5MHz-QPSK-20625-25RB#0



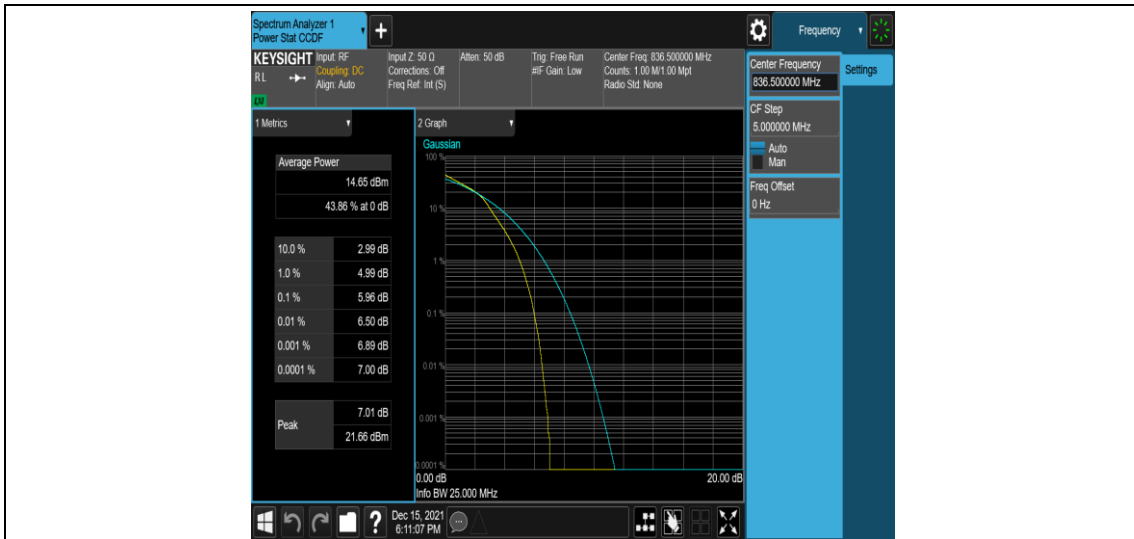
Band5-5MHz-16QAM-20425-1RB#0



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-1RB#0



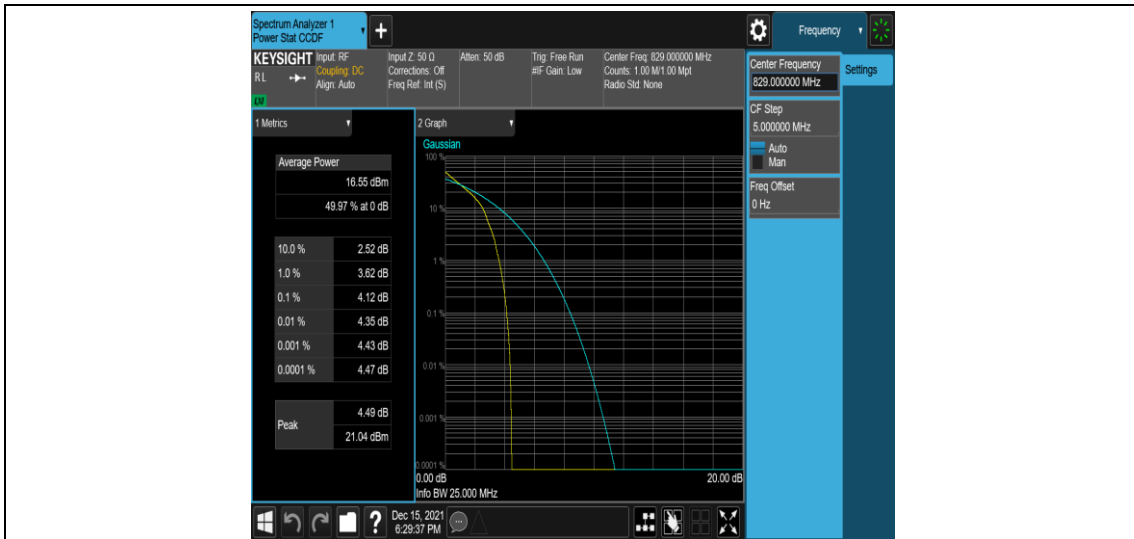
Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-1RB#0



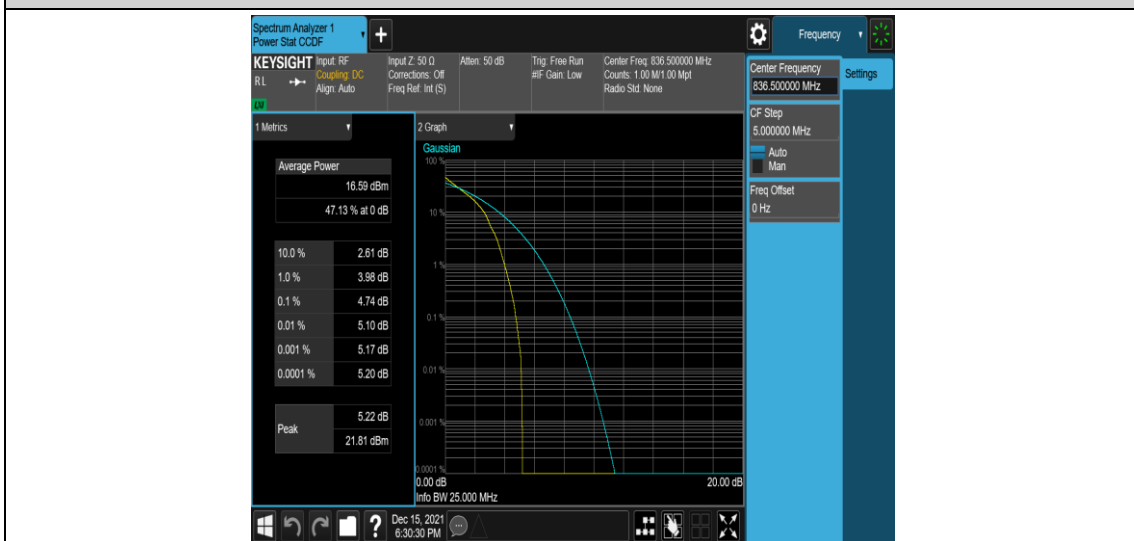
Band5-5MHz-16QAM-20625-25RB#0



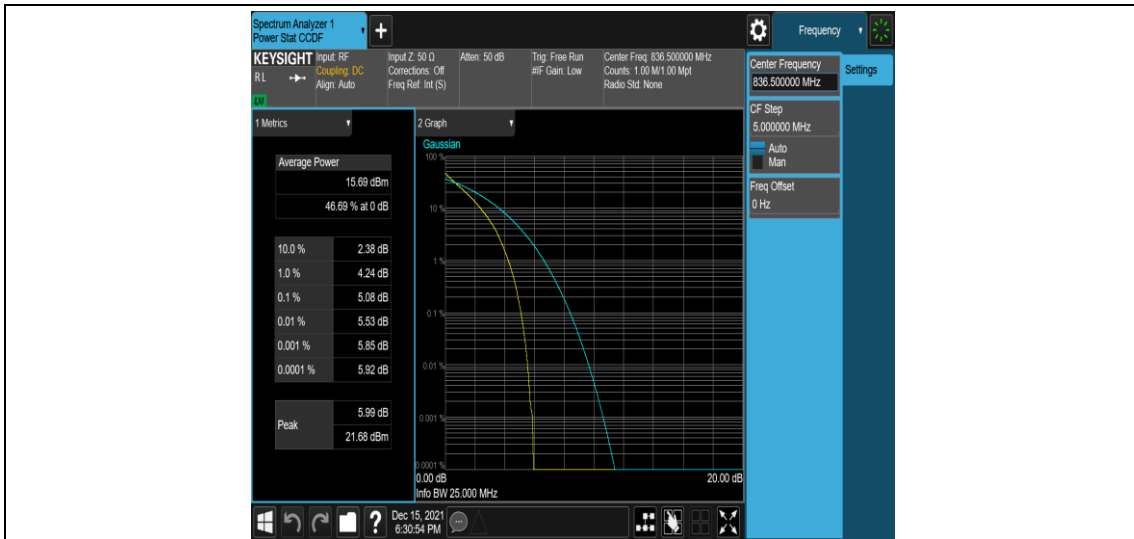
Band5-10MHz-QPSK-20450-1RB#0



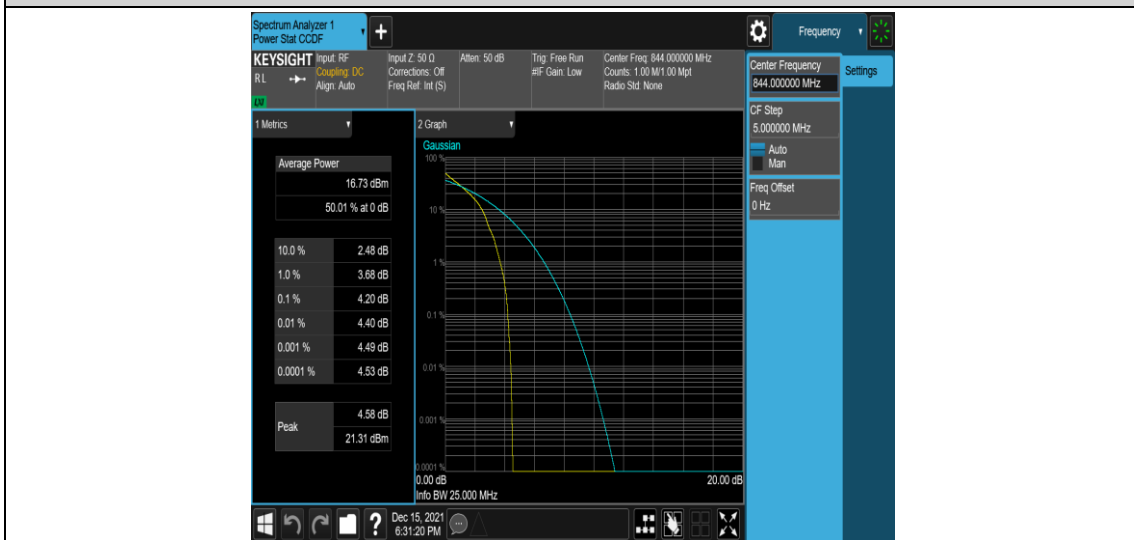
Band5-10MHz-QPSK-20450-50RB#0



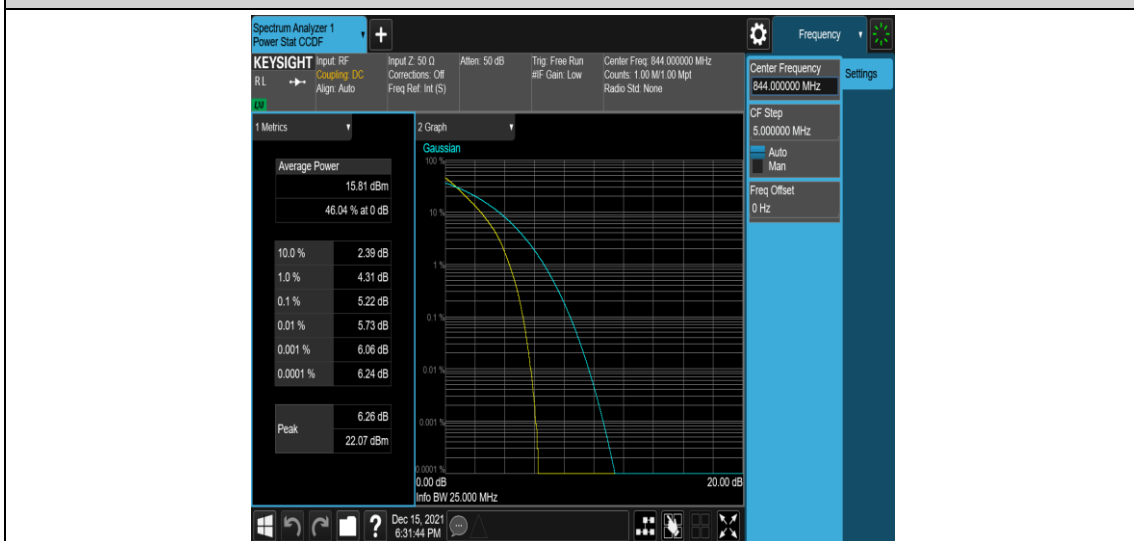
Band5-10MHz-QPSK-20525-1RB#0



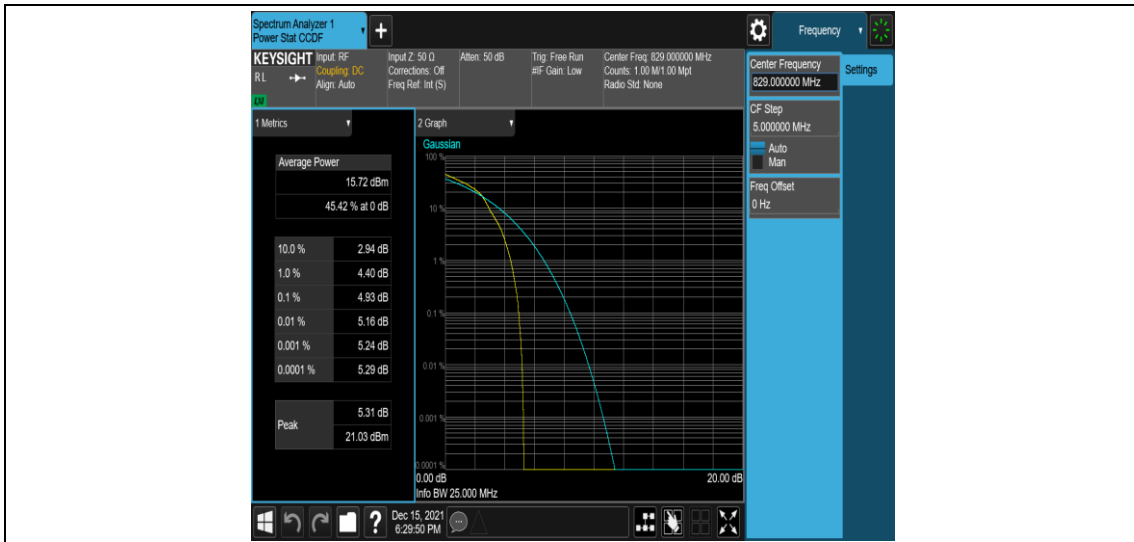
Band5-10MHz-QPSK-20525-50RB#0



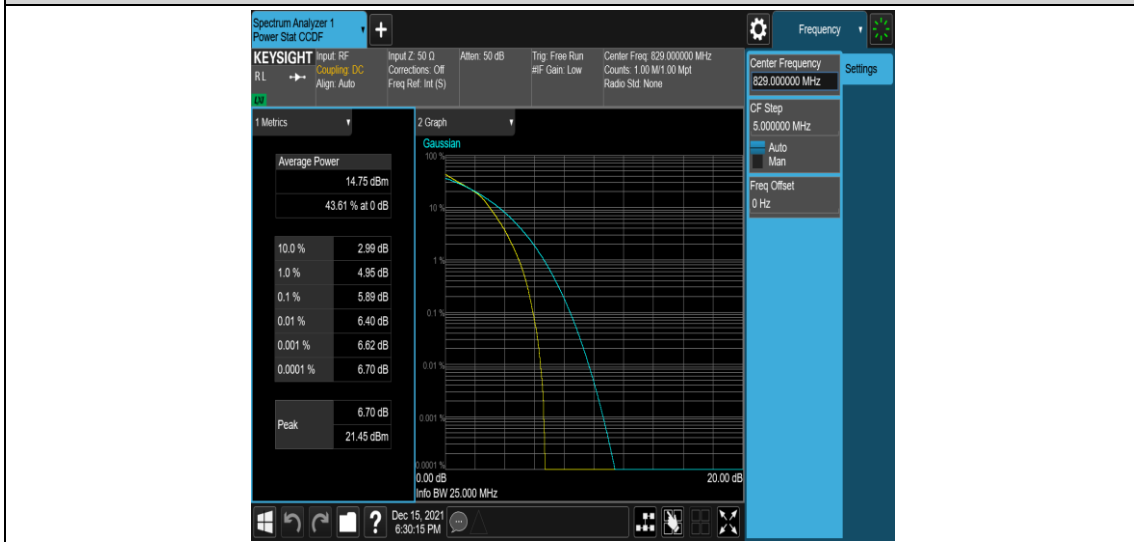
Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-QPSK-20600-50RB#0



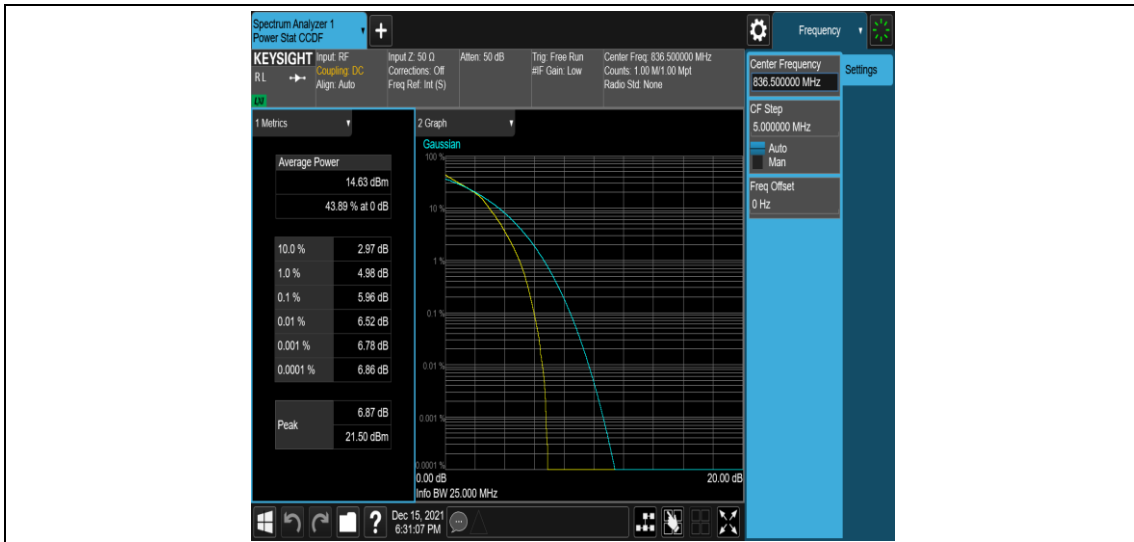
Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-50RB#0



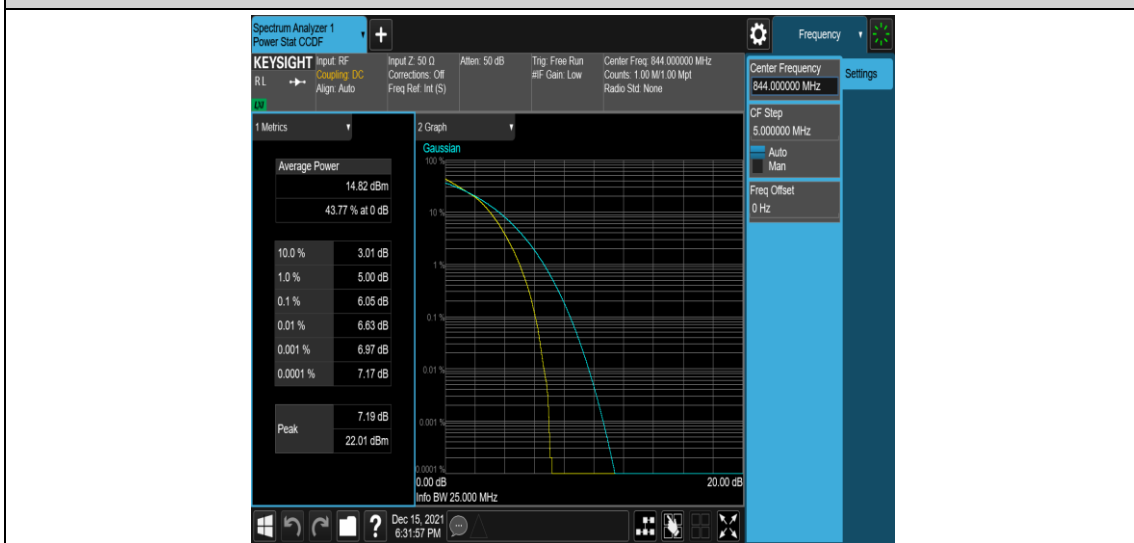
Band5-10MHz-16QAM-20525-1RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-50RB#0

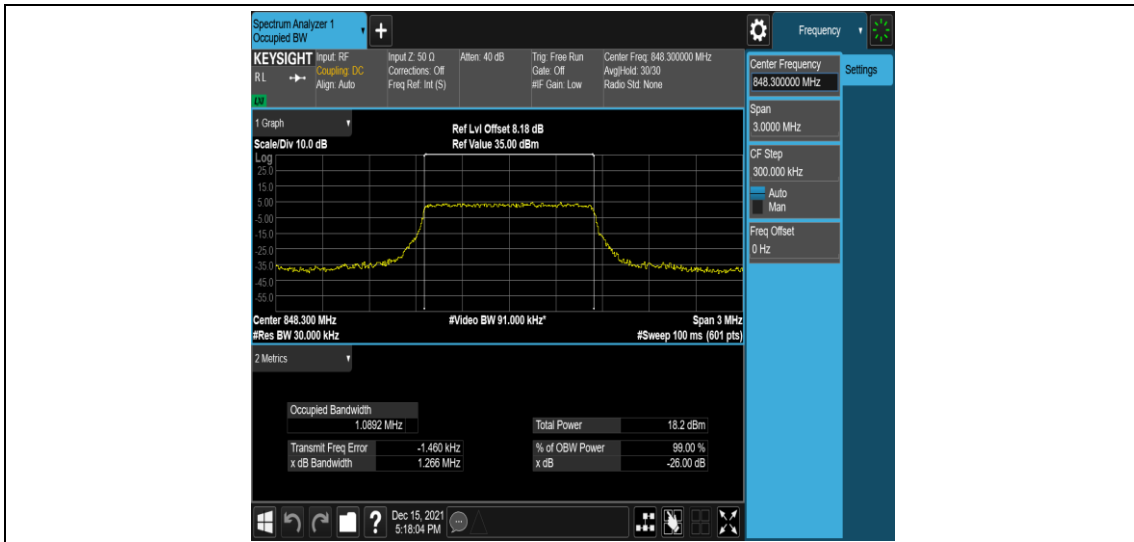
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

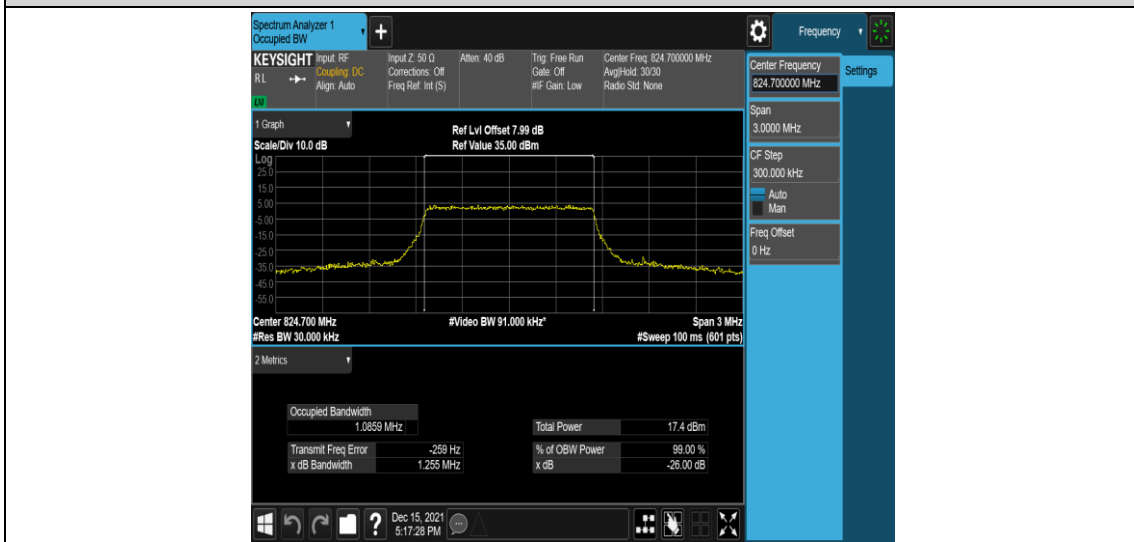
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0907	1.267	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0887	1.243	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0892	1.266	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0859	1.255	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0913	1.268	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0878	1.233	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6934	2.875	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6949	2.860	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6908	2.894	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6896	2.876	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6866	2.849	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6882	2.873	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5010	4.825	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4968	4.838	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4977	4.836	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5071	4.829	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5016	4.819	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5007	4.852	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9926	9.522	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9724	9.532	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9911	9.538	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9774	9.520	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9579	9.509	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9923	9.551	PASS

Test Graphs

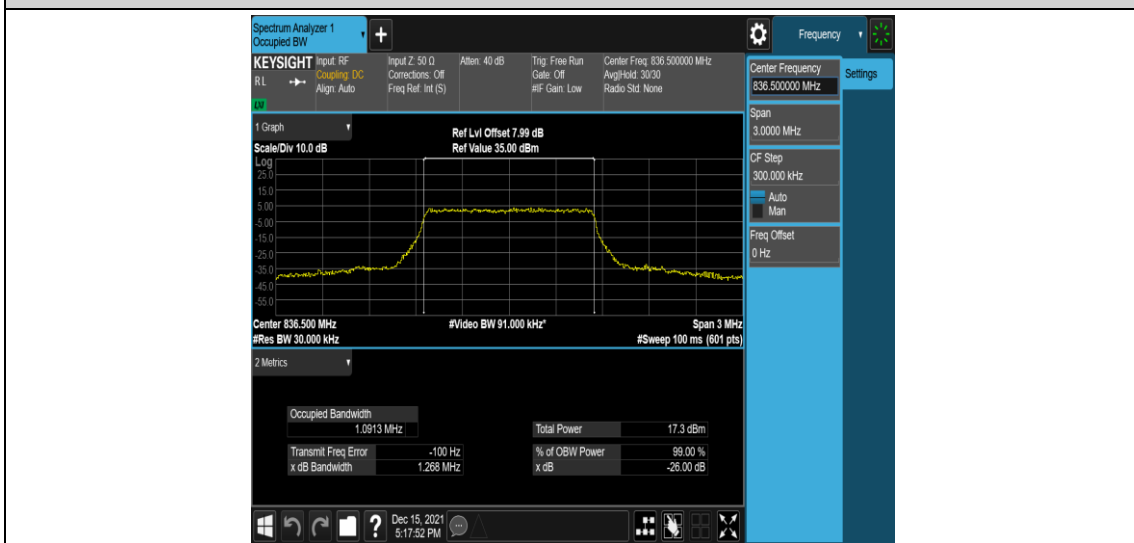




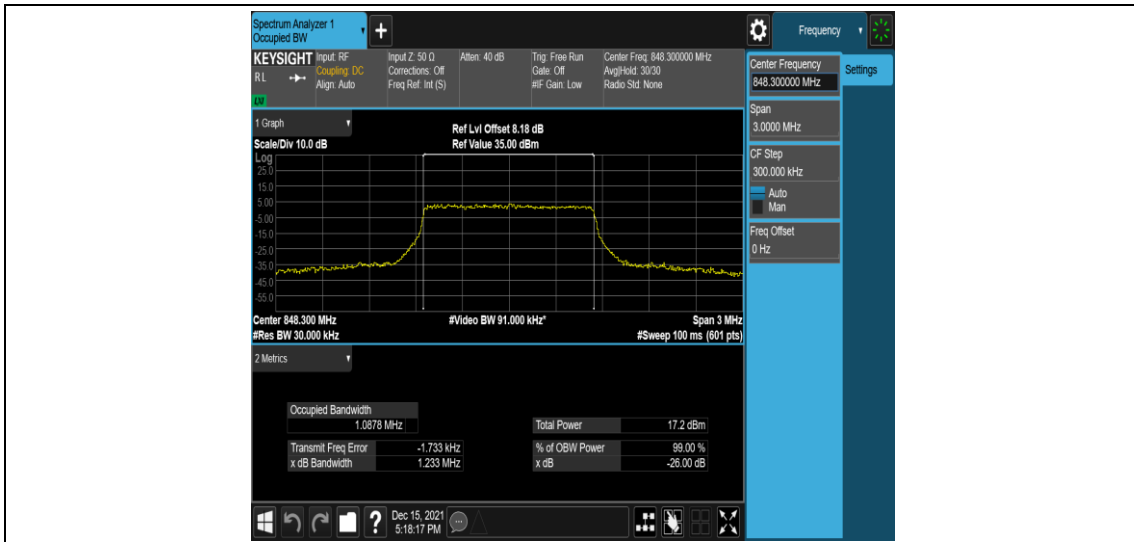
Band5-1.4MHz-QPSK-20643-6RB#0



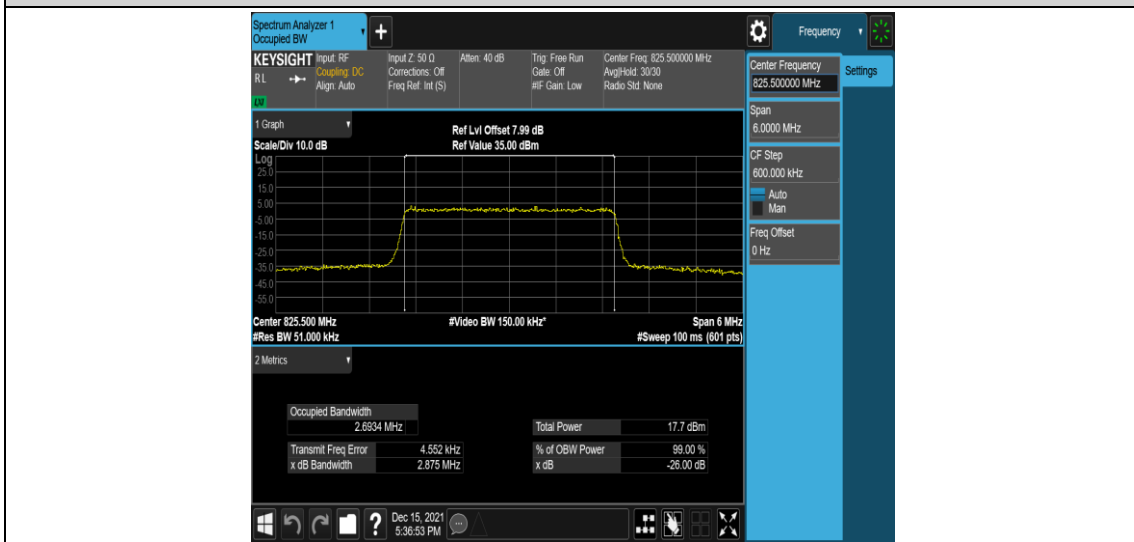
Band5-1.4MHz-16QAM-20407-6RB#0



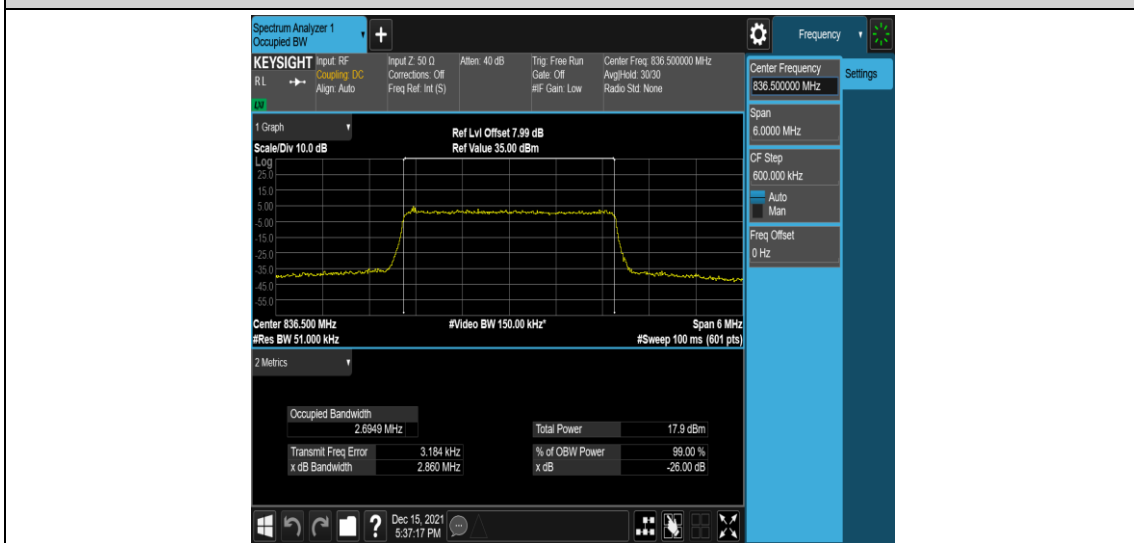
Band5-1.4MHz-16QAM-20525-6RB#0



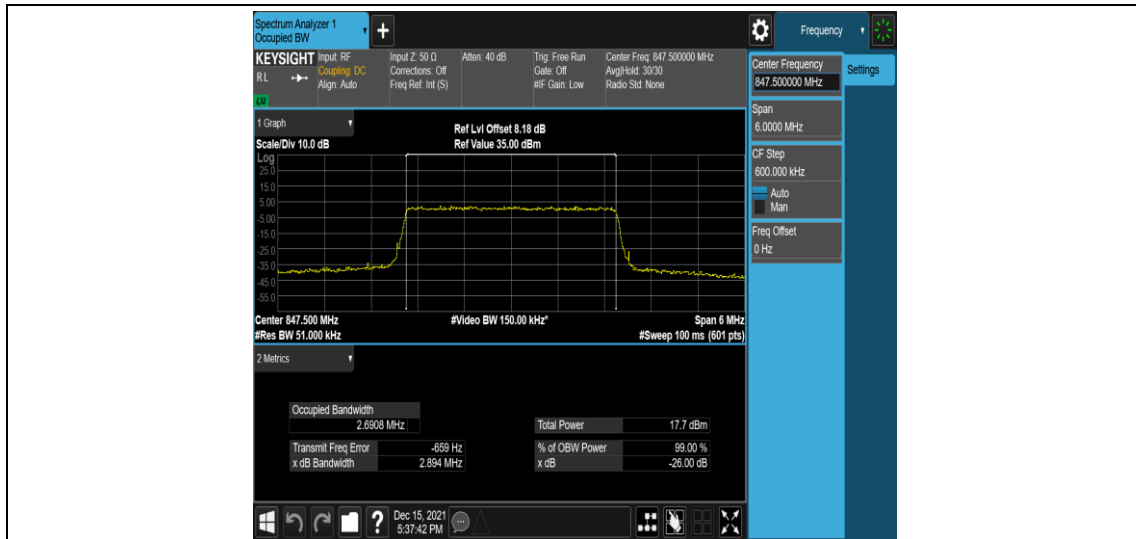
Band5-1.4MHz-16QAM-20643-6RB#0



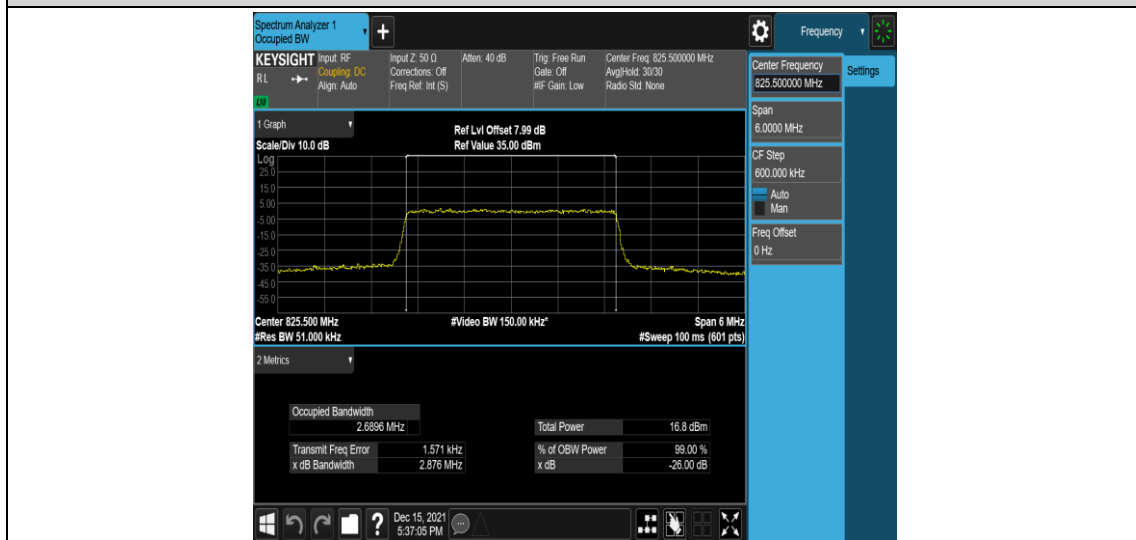
Band5-3MHz-QPSK-20415-15RB#0



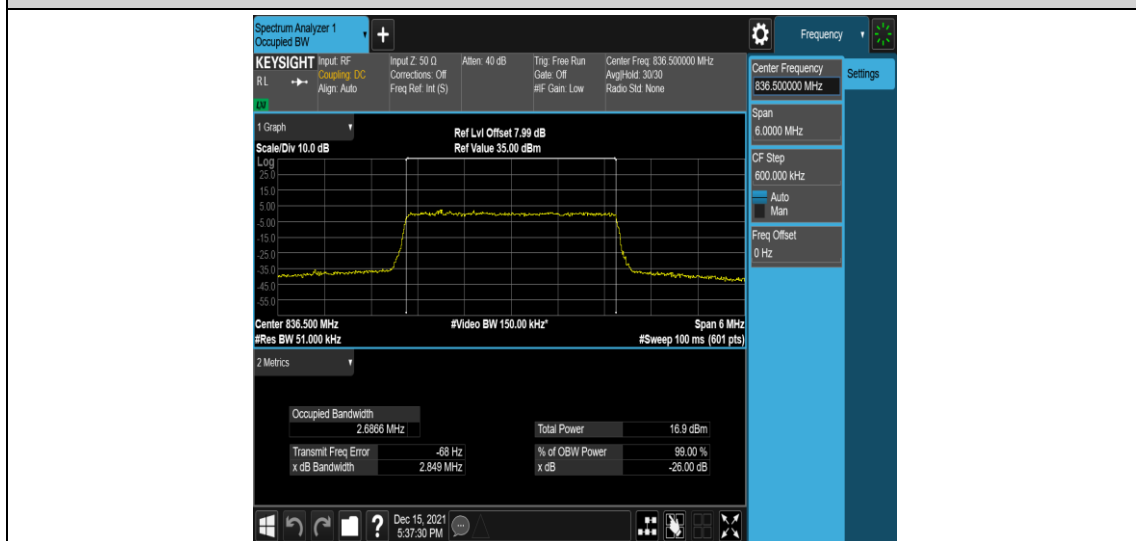
Band5-3MHz-QPSK-20525-15RB#0



Band5-3MHz-QPSK-20635-15RB#0



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0