

FCC Appendix RF Test Data for LTE band 5

Company : HK EKO ELECTRONICS LIMITED

EUT : 4G LTE Solar Cellular Trail Camera

Model Number : Q805

Report No. : CTA26072302103

FCC ID : 2BR3K-SECCAM-Q805

Reviewed By : Eric Wang

Appendix A: Conducted power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.64	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.76	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.59	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.58	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.72	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.78	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.97	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.95	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.85	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.85	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.88	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.83	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.21	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.13	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.24	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.04	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.09	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.01	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.80	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.92	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.92	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.53	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.64	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.69	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.78	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.81	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.98	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.90	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.67	PASS

Band5	1.4MHz	16QAM	20525	3RB#1	21.67	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.70	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.89	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.04	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.20	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.17	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	20.99	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	20.98	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.11	PASS
Band5	3MHz	QPSK	20415	1RB#0	21.57	PASS
Band5	3MHz	QPSK	20415	1RB#8	21.96	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.02	PASS
Band5	3MHz	QPSK	20415	8RB#0	20.93	PASS
Band5	3MHz	QPSK	20415	8RB#4	20.97	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.05	PASS
Band5	3MHz	QPSK	20415	15RB#0	20.93	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.38	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.01	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.76	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.61	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.62	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.82	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.73	PASS
Band5	3MHz	QPSK	20635	1RB#0	21.97	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.10	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.01	PASS
Band5	3MHz	QPSK	20635	8RB#0	20.91	PASS
Band5	3MHz	QPSK	20635	8RB#4	20.82	PASS
Band5	3MHz	QPSK	20635	8RB#7	20.94	PASS
Band5	3MHz	QPSK	20635	15RB#0	20.86	PASS
Band5	3MHz	16QAM	20415	1RB#0	20.86	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.20	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.28	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.02	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.03	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.24	PASS

Band5	3MHz	16QAM	20415	15RB#0	20.00	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.18	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.94	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.69	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.66	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.67	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.89	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.78	PASS
Band5	3MHz	16QAM	20635	1RB#0	20.74	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.01	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.05	PASS
Band5	3MHz	16QAM	20635	8RB#0	19.98	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.00	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.11	PASS
Band5	3MHz	16QAM	20635	15RB#0	19.95	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.19	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.29	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.43	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.18	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.20	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.33	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.22	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.34	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.09	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.06	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.80	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.82	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.04	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.96	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.70	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.29	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.77	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.24	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.28	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.33	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.31	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.09	PASS

Band5	5MHz	16QAM	20425	1RB#12	21.18	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.36	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.26	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.26	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.42	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.30	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.44	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.23	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.31	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.96	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.97	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.19	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.99	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.71	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.30	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.68	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.36	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.36	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.39	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.38	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.20	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.23	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.23	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.31	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.31	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.27	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.64	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.10	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.85	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.07	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.07	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.94	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.99	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.90	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.50	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.66	PASS

Band5	10MHz	QPSK	20600	25RB#0	21.52	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.56	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.32	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.43	PASS

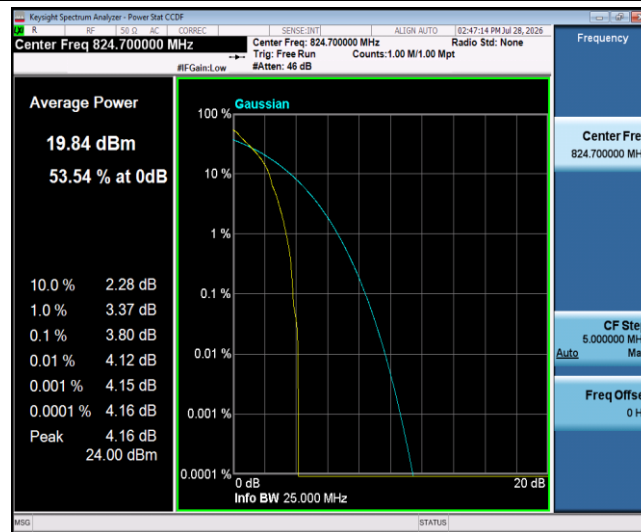
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

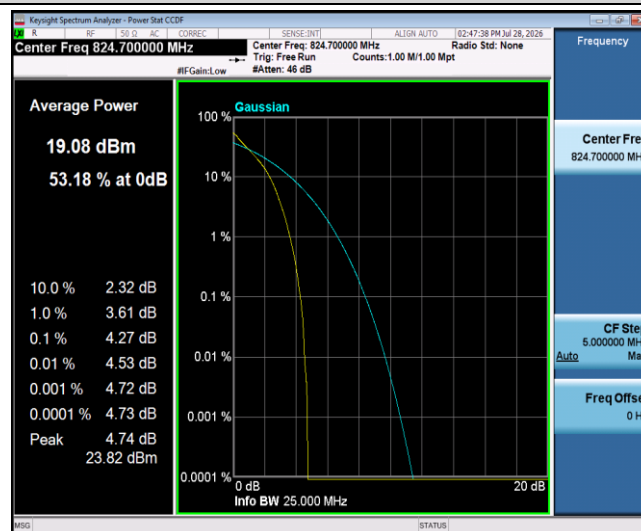
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.80	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.27	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.85	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.22	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.17	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.51	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.43	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	4.94	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.49	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	4.91	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.94	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.24	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.44	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.95	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.85	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	6.38	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	6.70	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	7.58	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	6.47	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.74	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.73	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	7.29	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	8.29	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	8.44	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.55	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.19	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.13	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.83	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.64	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.52	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.86	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.51	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.66	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	5.89	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.56	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.24	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.22	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.83	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.28	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.10	13	PASS

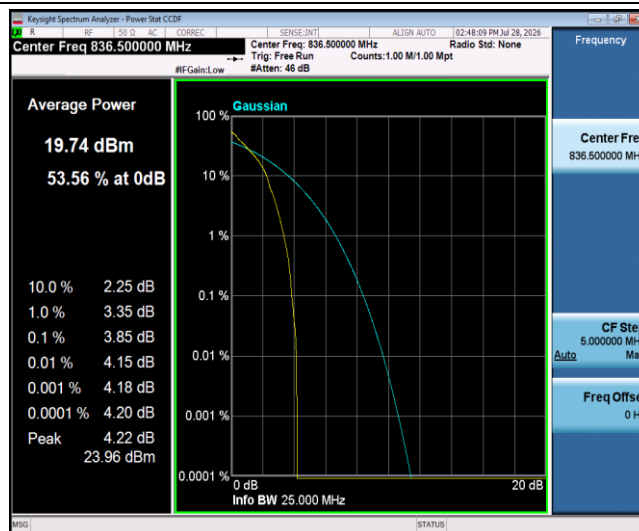
Test Graphs



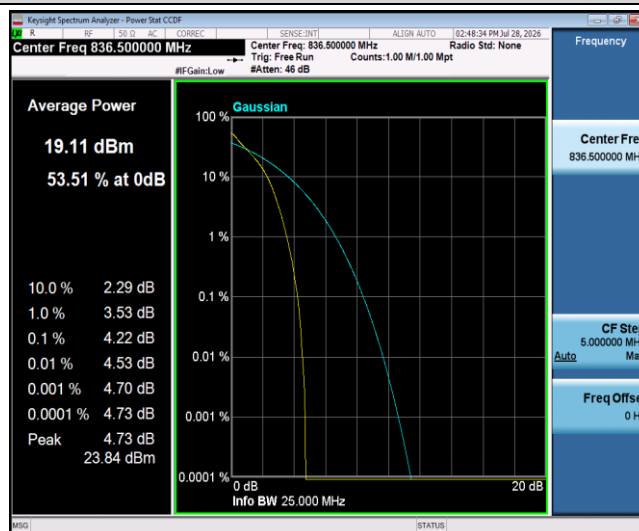
Band5-1.4MHz-QPSK-20407-1RB#0



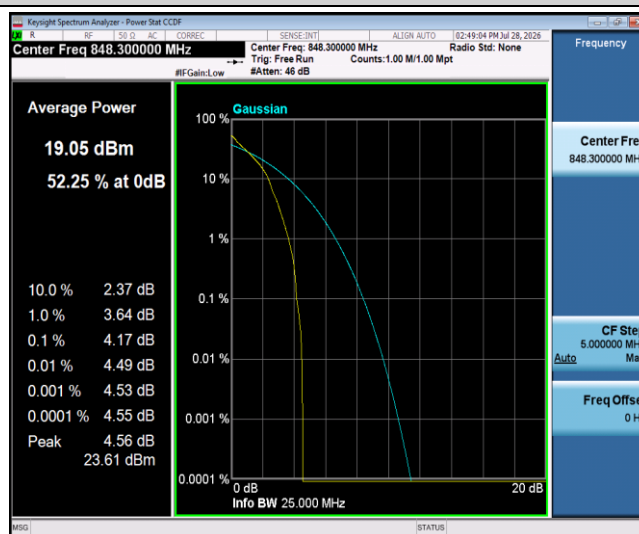
Band5-1.4MHz-QPSK-20407-6RB#0



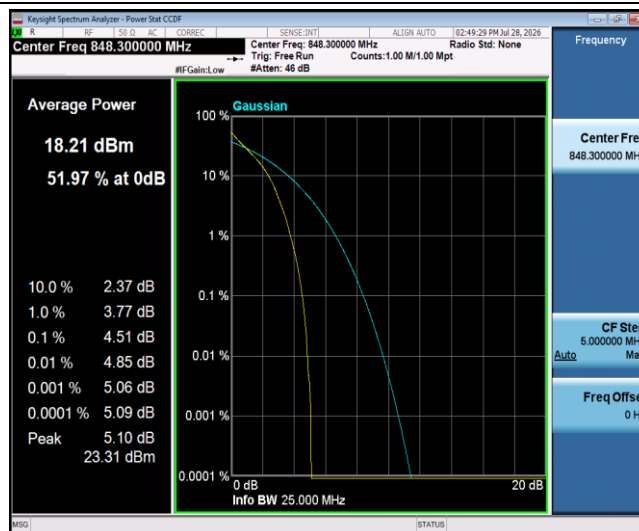
Band5-1.4MHz-QPSK-20525-1RB#0



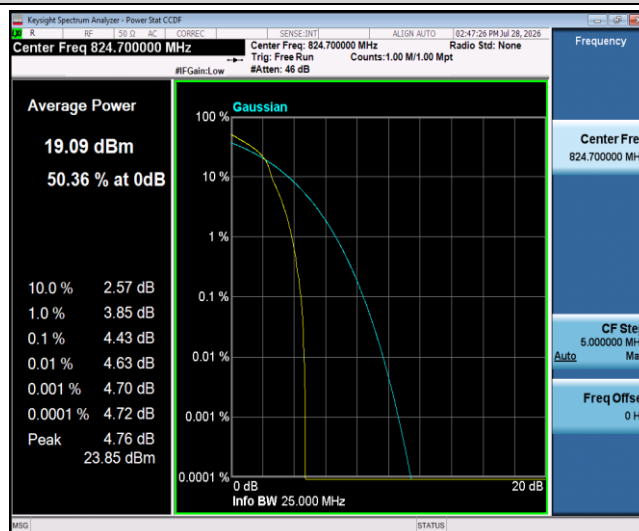
Band5-1.4MHz-QPSK-20525-6RB#0



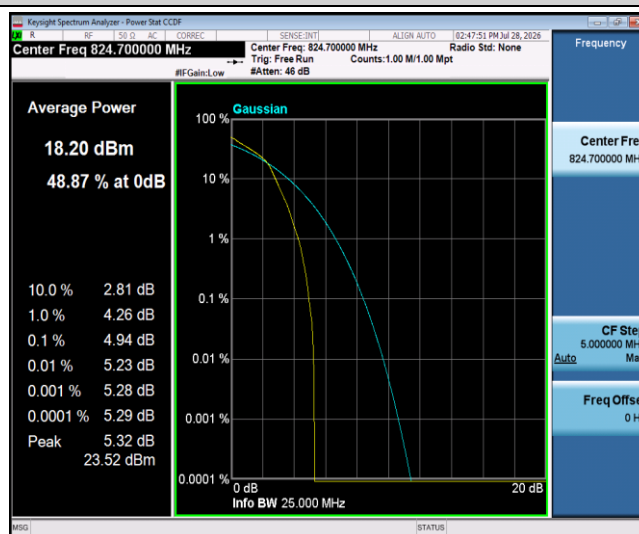
Band5-1.4MHz-QPSK-20643-1RB#0



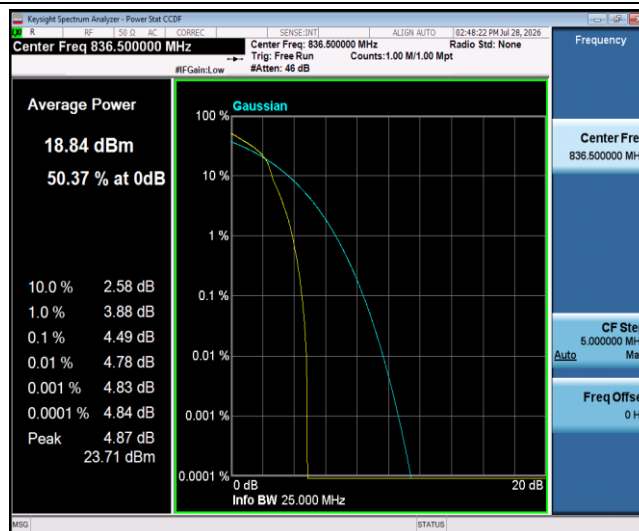
Band5-1.4MHz-QPSK-20643-6RB#0



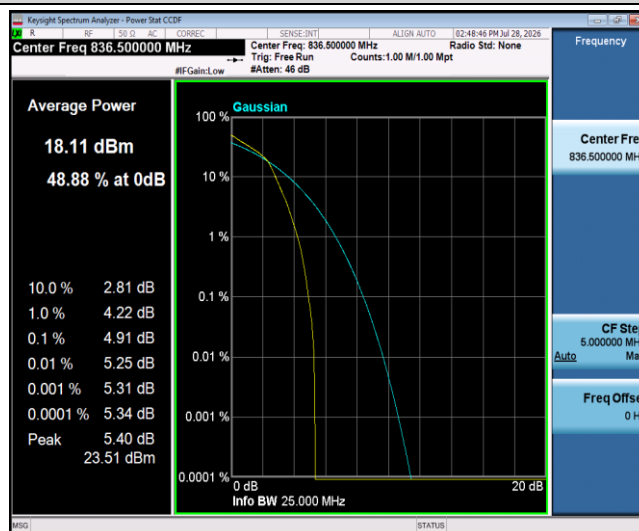
Band5-1.4MHz-16QAM-20407-1RB#0



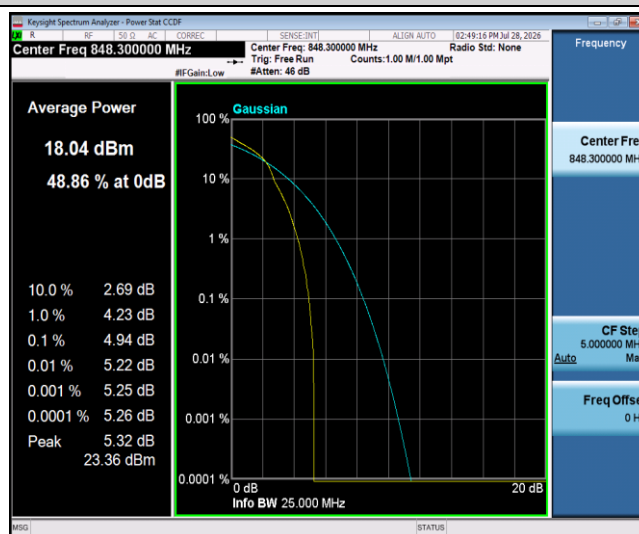
Band5-1.4MHz-16QAM-20407-6RB#0



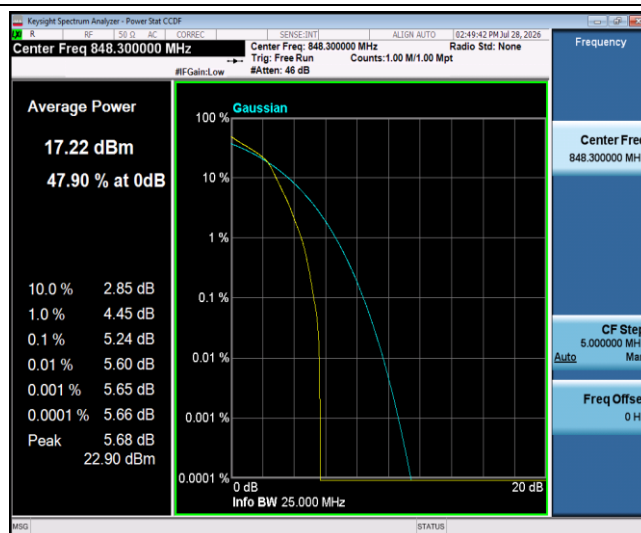
Band5-1.4MHz-16QAM-20525-1RB#0



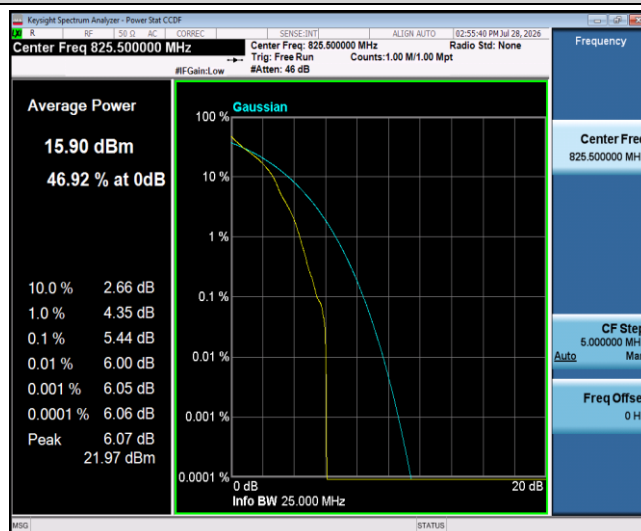
Band5-1.4MHz-16QAM-20525-6RB#0



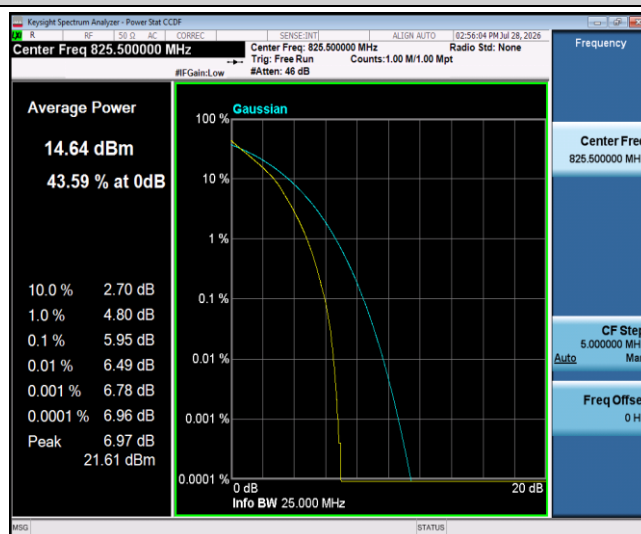
Band5-1.4MHz-16QAM-20643-1RB#0



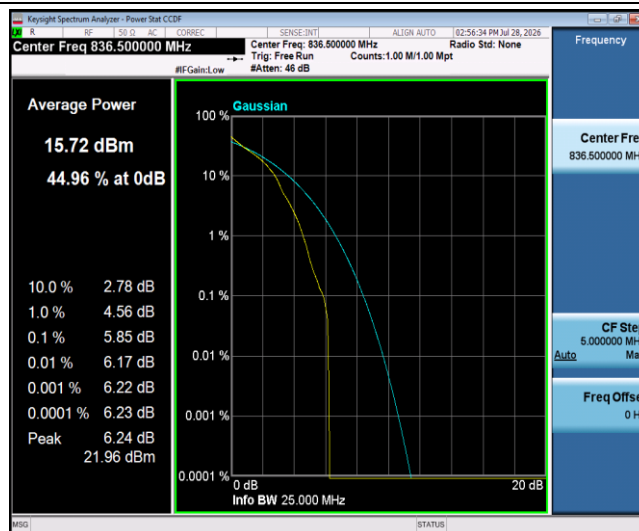
Band5-1.4MHz-16QAM-20643-6RB#0



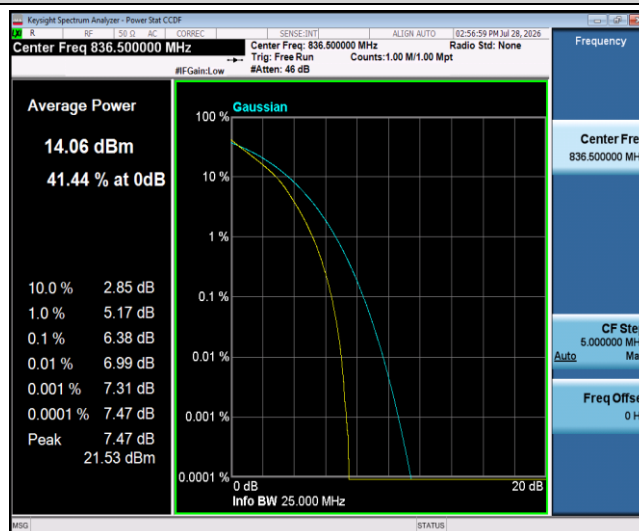
Band5-3MHz-QPSK-20415-1RB#0



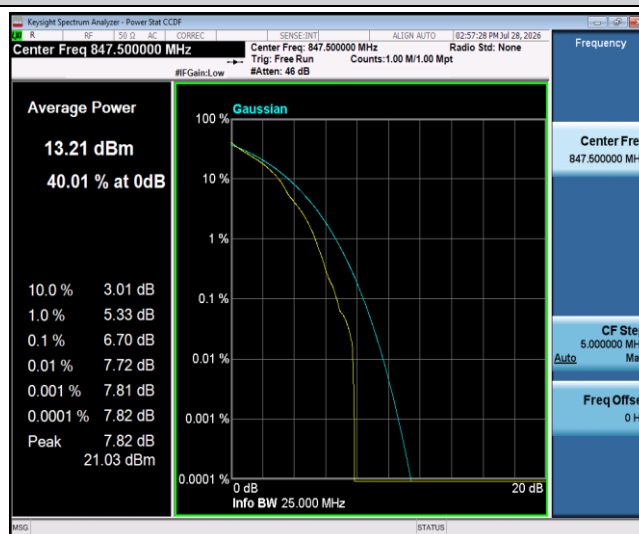
Band5-3MHz-QPSK-20415-15RB#0



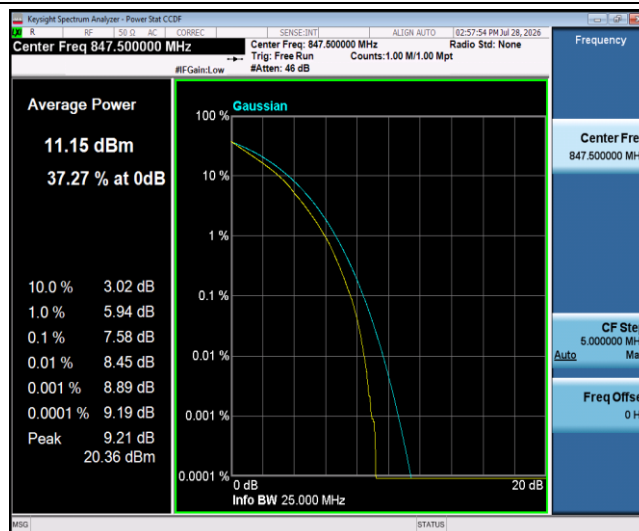
Band5-3MHz-QPSK-20525-1RB#0



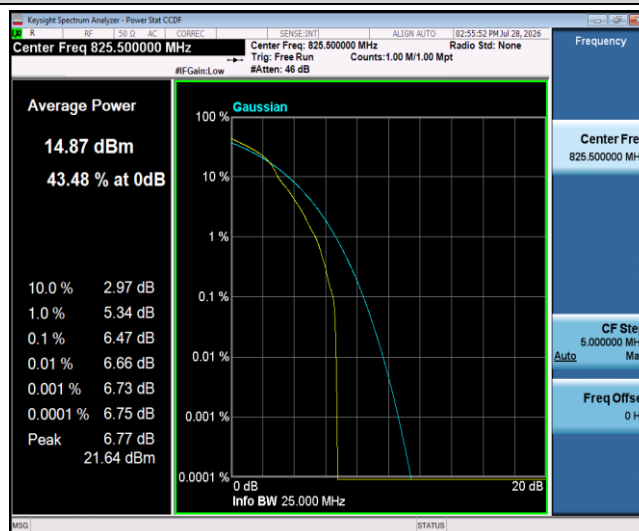
Band5-3MHz-QPSK-20525-15RB#0



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



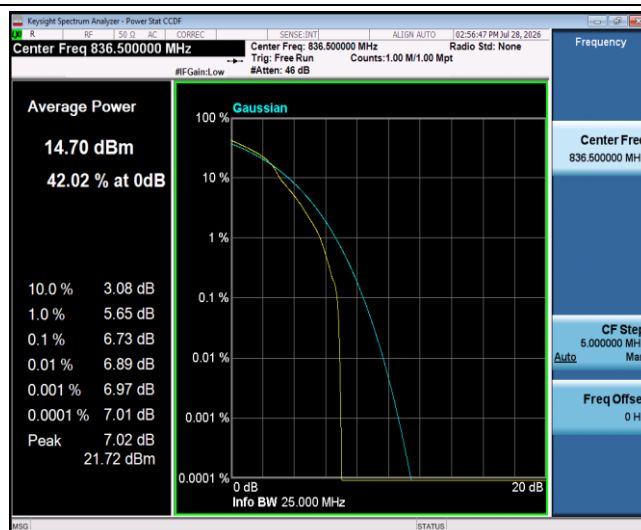
Band5-3MHz-QPSK-20635-15RB#0



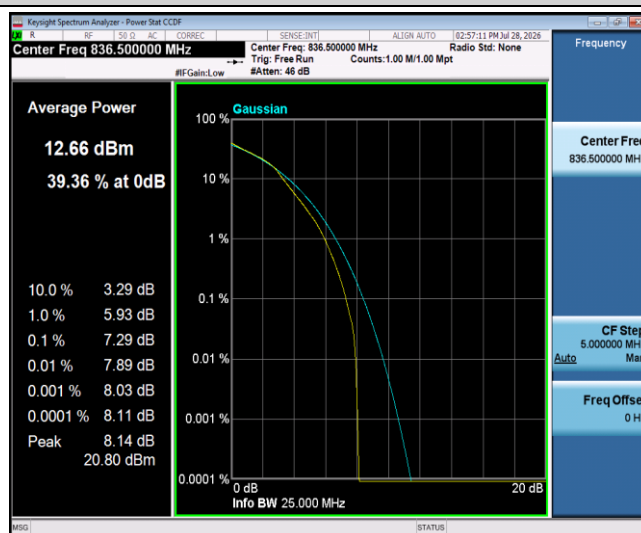
Band5-3MHz-16QAM-20415-1RB#0



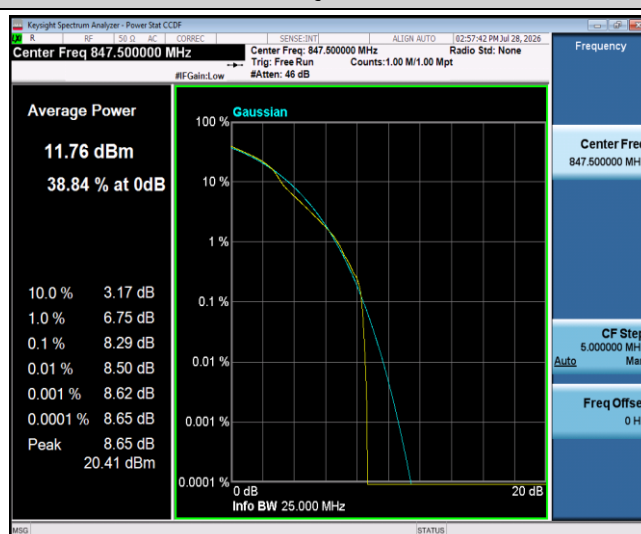
Band5-3MHz-16QAM-20415-15RB#0



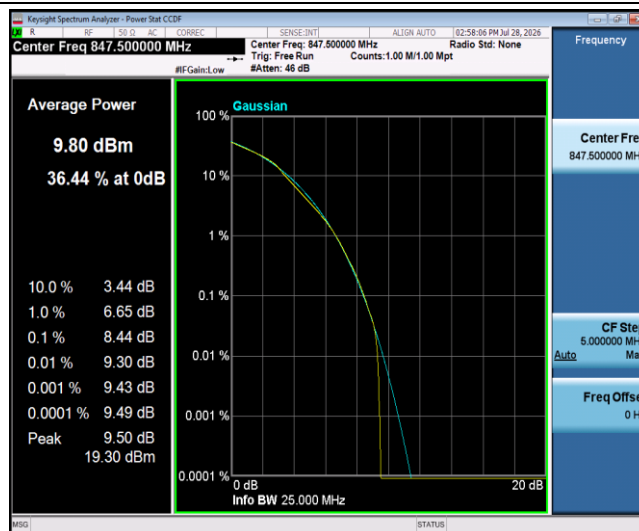
Band5-3MHz-16QAM-20525-1RB#0



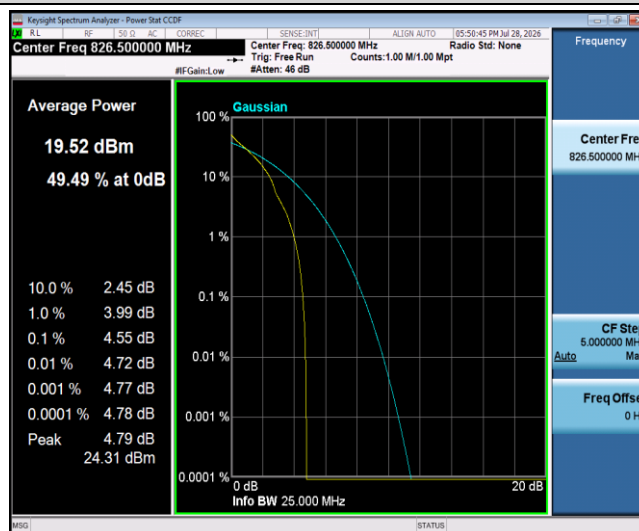
Band5-3MHz-16QAM-20525-15RB#0



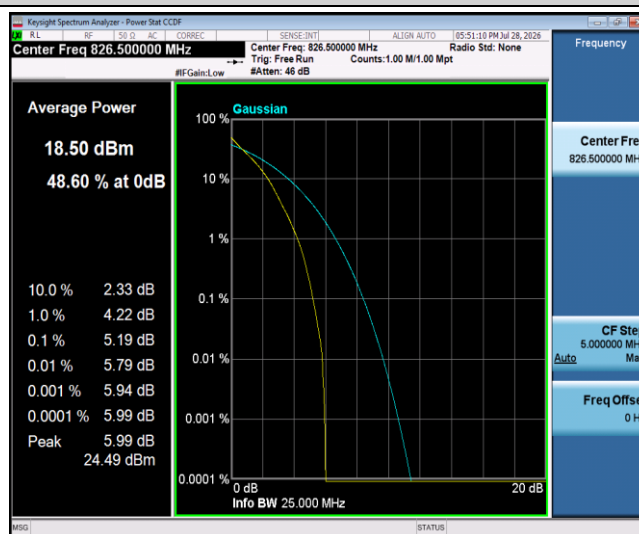
Band5-3MHz-16QAM-20635-1RB#0



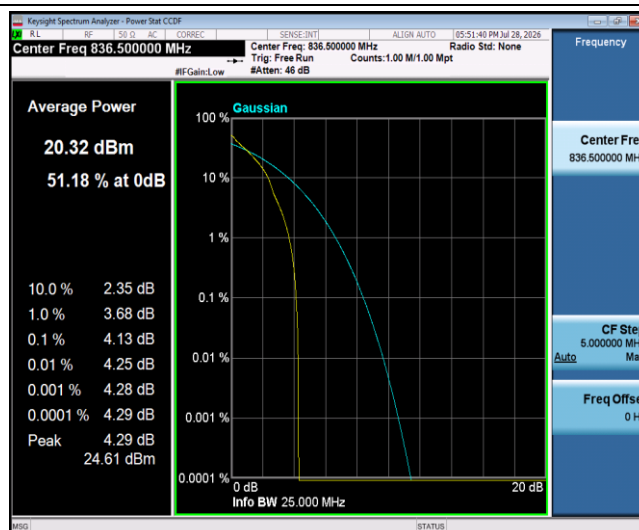
Band5-3MHz-16QAM-20635-15RB#0



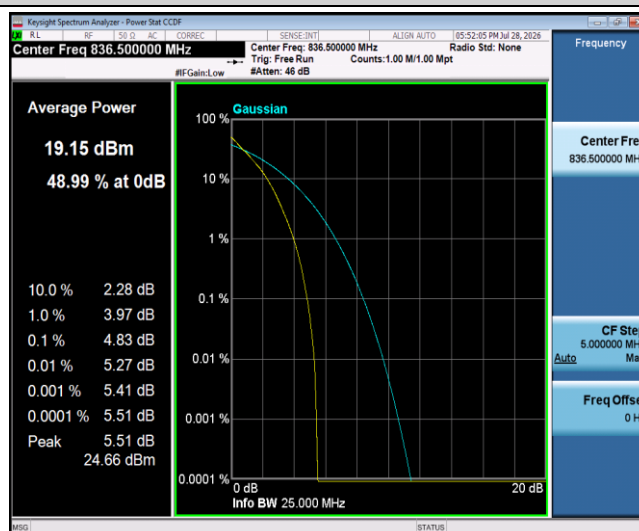
Band5-5MHz-QPSK-20425-1RB#0



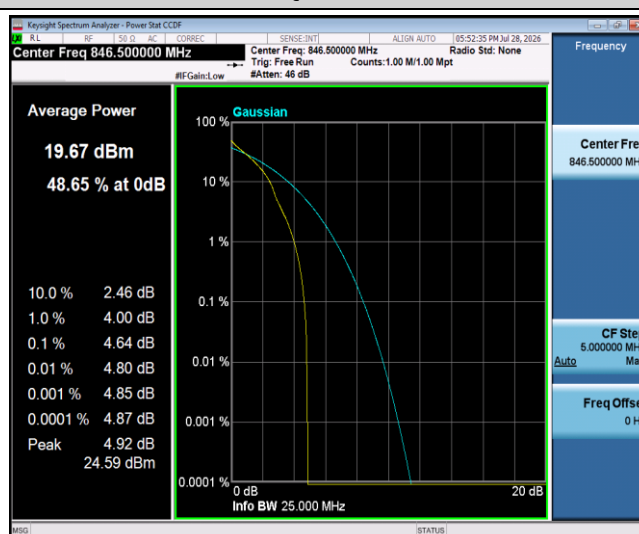
Band5-5MHz-QPSK-20425-25RB#0



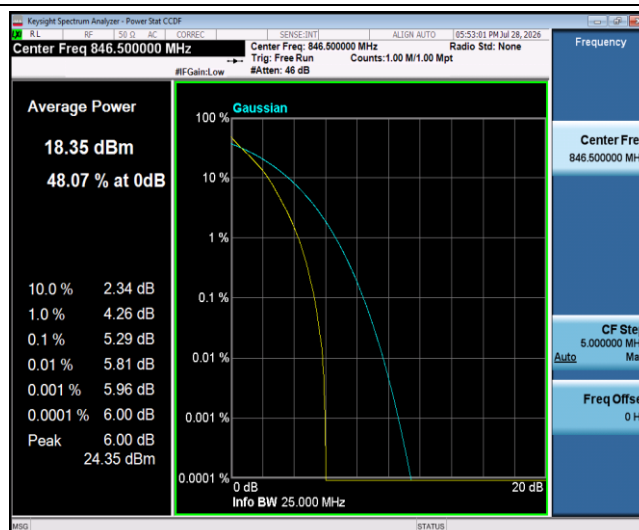
Band5-5MHz-QPSK-20525-1RB#0



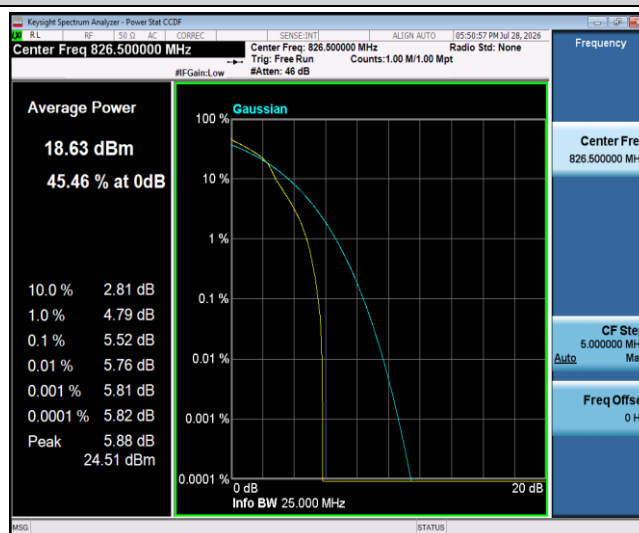
Band5-5MHz-QPSK-20525-25RB#0



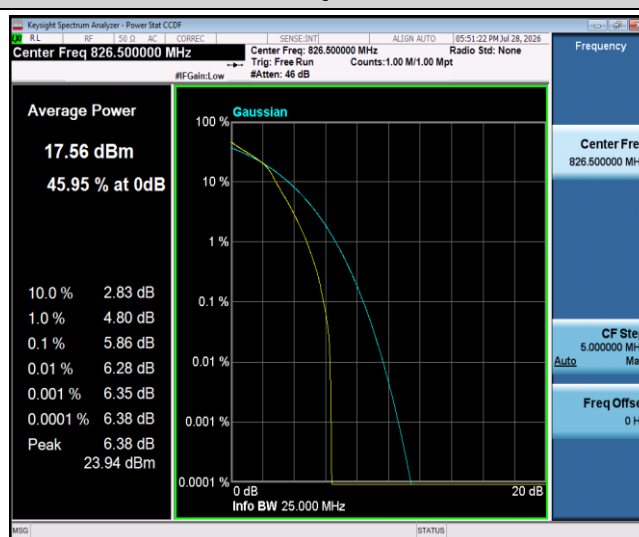
Band5-5MHz-QPSK-20625-1RB#0



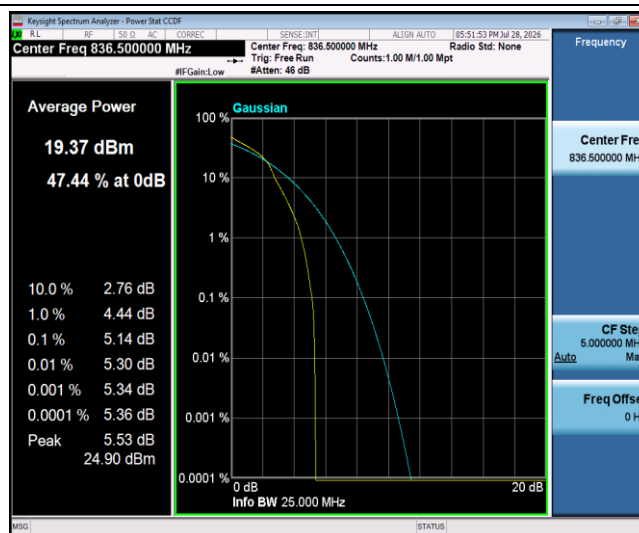
Band5-5MHz-QPSK-20625-25RB#0



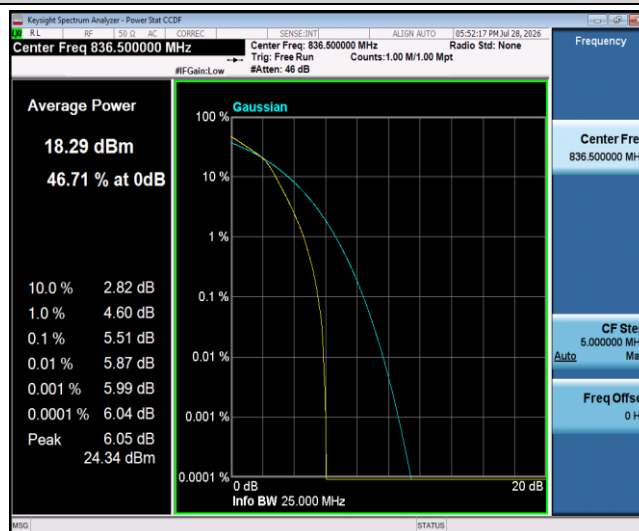
Band5-5MHz-16QAM-20425-1RB#0



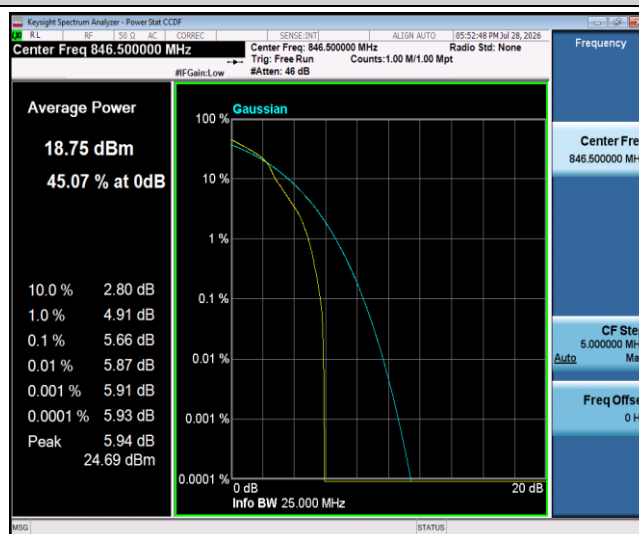
Band5-5MHz-16QAM-20425-25RB#0



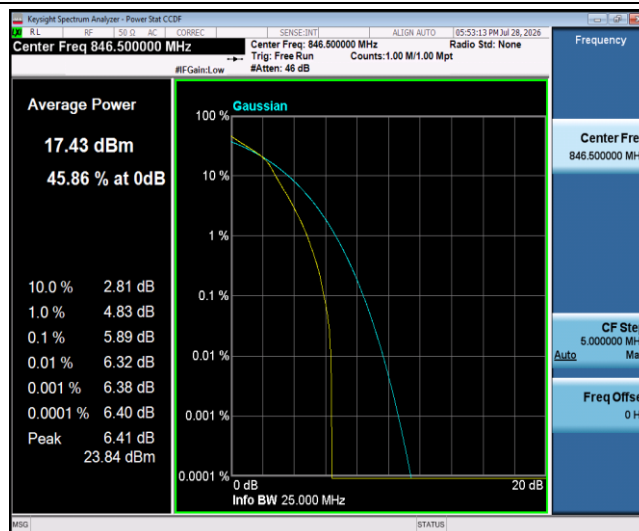
Band5-5MHz-16QAM-20525-1RB#0



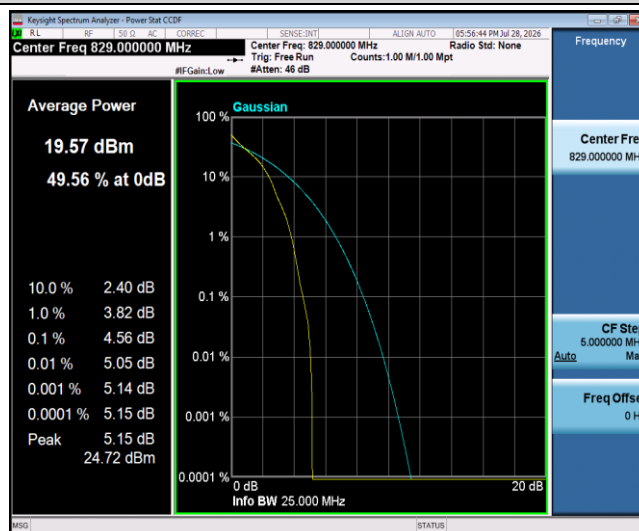
Band5-5MHz-16QAM-20525-25RB#0



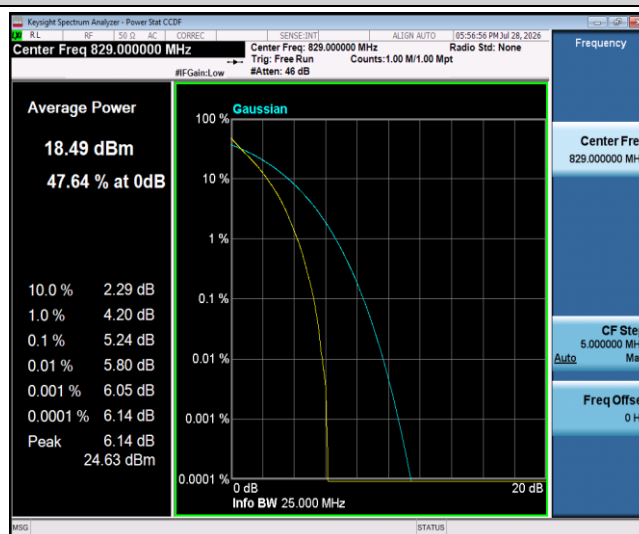
Band5-5MHz-16QAM-20625-1RB#0



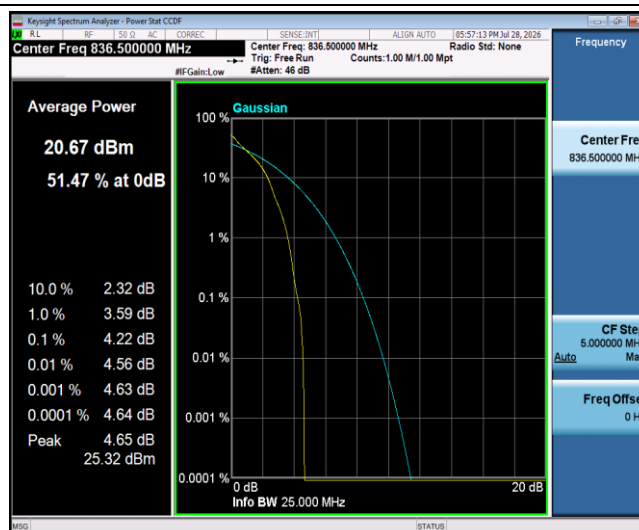
Band5-5MHz-16QAM-20625-25RB#0



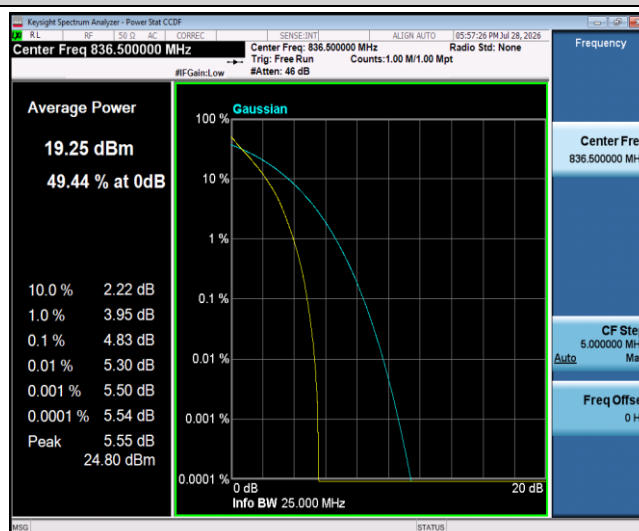
Band5-10MHz-QPSK-20450-1RB#0



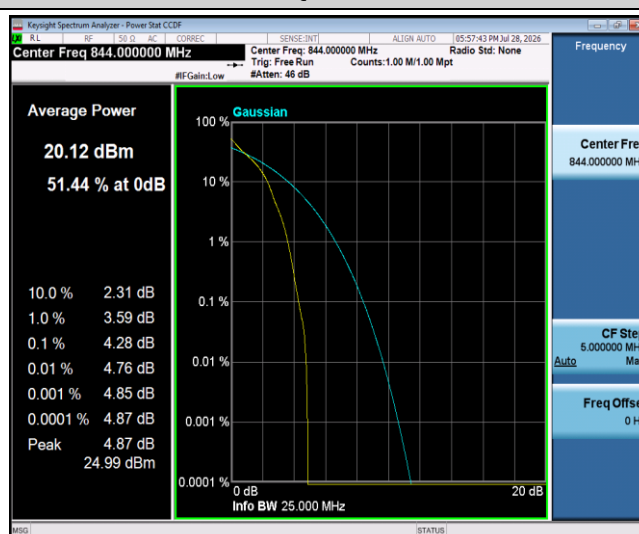
Band5-10MHz-QPSK-20450-50RB#0



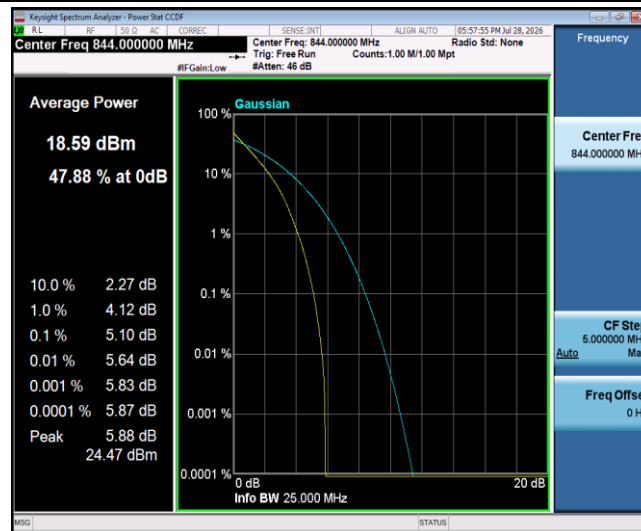
Band5-10MHz-QPSK-20525-1RB#0



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



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



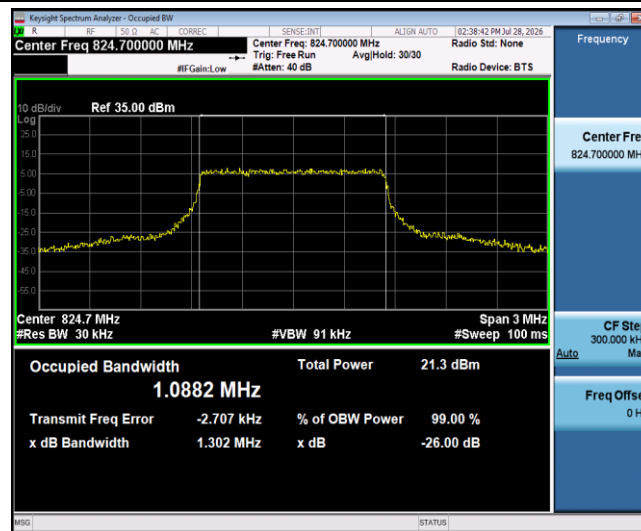
Band5-10MHz-QPSK-20600-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

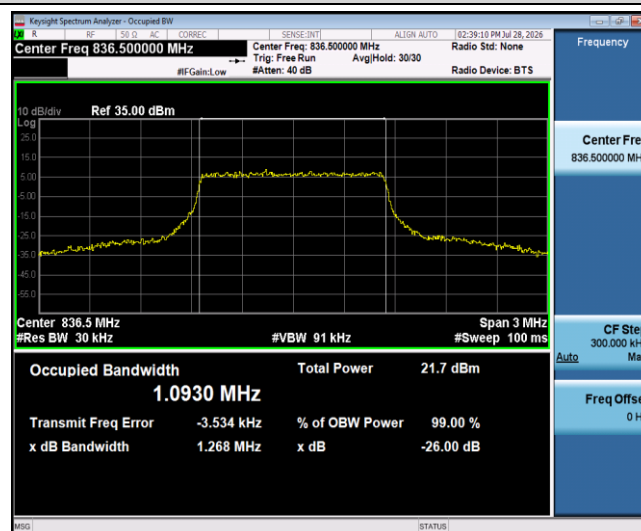
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0882	1.302	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0930	1.268	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0930	1.260	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0922	1.280	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0895	1.273	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0895	1.284	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6986	3.050	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7030	3.115	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7045	3.047	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7028	3.038	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7049	3.062	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7056	3.045	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5069	5.080	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5112	5.160	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5149	5.164	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5017	5.123	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5024	5.171	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5038	5.075	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9795	9.689	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9867	9.707	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9885	9.703	PASS

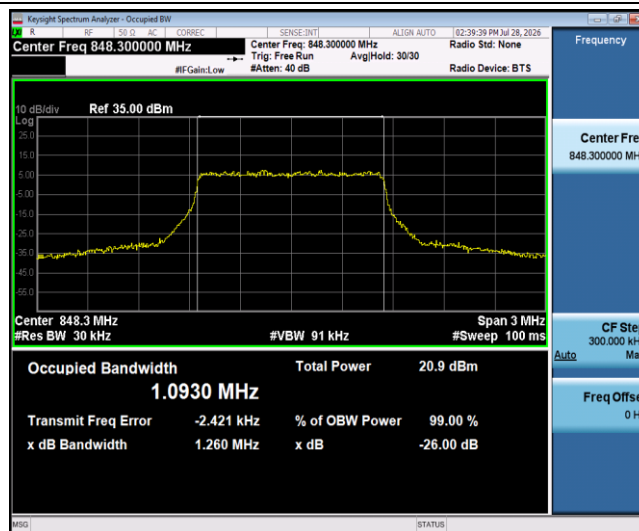
Test Graphs



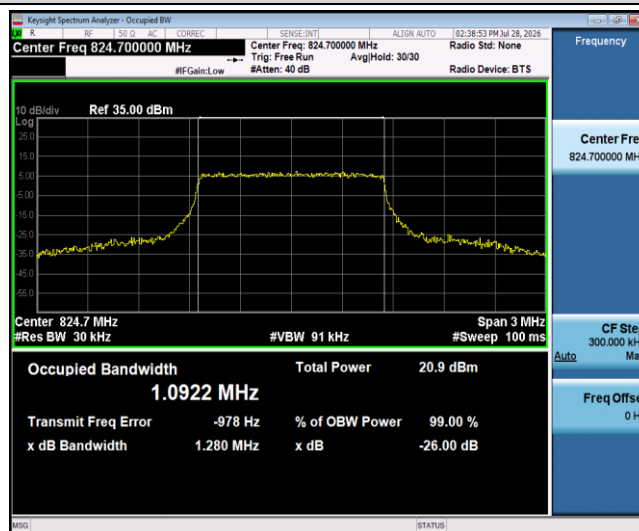
Band5-1.4MHz-QPSK-20407-6RB#0



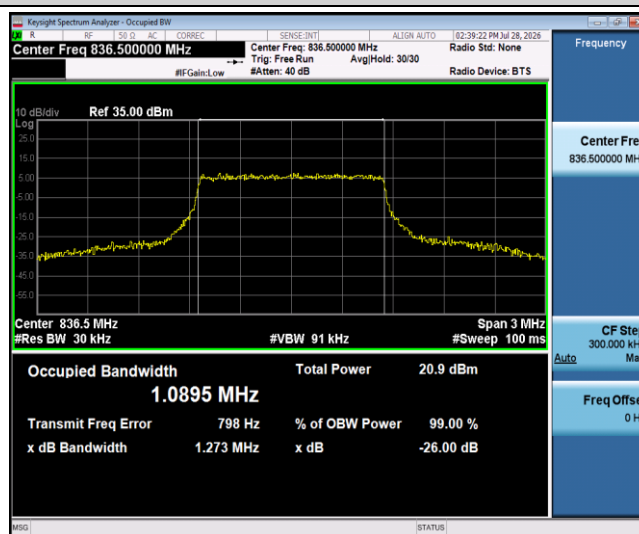
Band5-1.4MHz-QPSK-20525-6RB#0



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



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



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