smart mirror

M/N:HD-CSSM3

FCC ID:2BHBP-HDCSSM3

Applicant:Shenzhen Chengtong Technology Co., LTD

Appendix for LTE Band 5

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.27	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.19	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.31	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.08	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.95	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.22	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.18	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.30	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.22	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.25	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.22	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.19	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.34	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.53	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.17	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.13	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.31	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.29	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.24	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.33	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.26	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.29	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.29	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.17	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.07	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.01	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.04	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.00	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.05	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.09	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.05	PASS

Band5	1.4MHz	16QAM	20643	3RB#1	23.06	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.06	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.11	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.06	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.37	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.24	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.32	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.34	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.44	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.42	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.36	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.44	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.38	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.43	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.42	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.31	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.34	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.57	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.32	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.64	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.39	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.64	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.48	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.35	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.48	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.35	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.34	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.40	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.08	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.98	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.25	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.97	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.25	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.95	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.30	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.07	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.29	PASS

Band5	3MHz	16QAM	20635	8RB#4	22.07	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.20	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.06	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.19	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.18	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.43	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.47	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.38	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.52	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.41	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.61	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.38	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.40	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.39	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.29	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.50	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.44	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.39	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.29	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.38	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.47	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.46	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.24	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.35	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.50	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.38	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.21	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.38	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.29	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.34	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.30	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.36	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.37	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.18	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.32	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.16	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.05	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.21	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.10	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.19	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.15	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.21	PASS

Band5	5MHz	16QAM	20625	12RB#6	22.18	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.19	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.05	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.20	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.12	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.40	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.30	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.58	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.52	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.55	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.53	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.39	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.38	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.42	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.32	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.55	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.42	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.48	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.42	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.34	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.42	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.52	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.73	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.37	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.53	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.48	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.32	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.48	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.37	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.40	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.34	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.46	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.33	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.26	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.95	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.41	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.21	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.23	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.06	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.26	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.22	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.28	PASS

Band5	10MHz	16QAM	20600	25RB#12	22.23	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.32	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.20	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.26	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.18	PASS

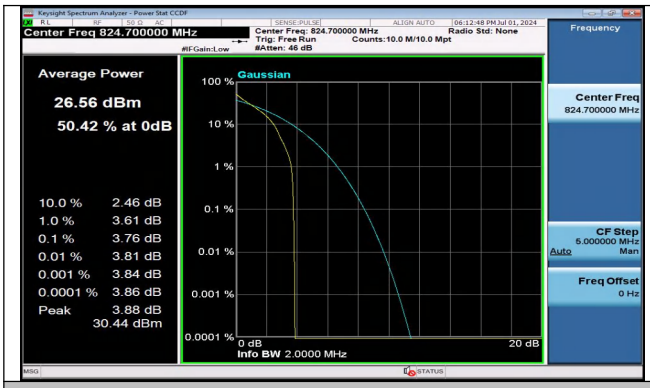
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.76	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.79	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.73	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.58	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.60	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.58	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.22	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.04	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.53	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.55	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.18	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.98	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.63	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.62	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.77	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.60	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.53	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.55	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.19	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.03	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.41	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.36	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.16	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.97	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.66	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.58	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.02	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.83	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.59	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.61	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.15	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.99	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.22	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.15	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.13	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.94	13	PASS

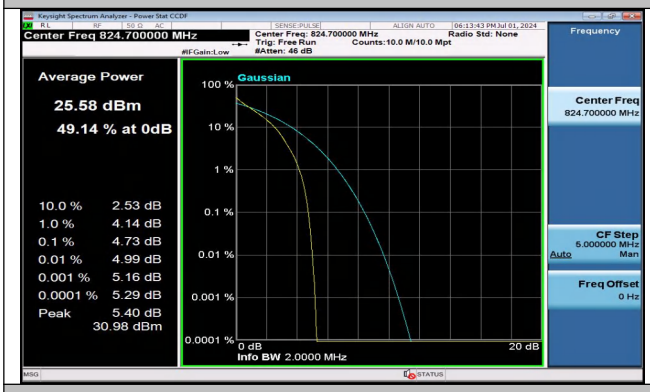
Band5	10MHz	QPSK	20450	1RB#0	3.63	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.62	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.23	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.01	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.67	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.67	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.91	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.07	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.01	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.11	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.87	13	PASS

Test Graphs

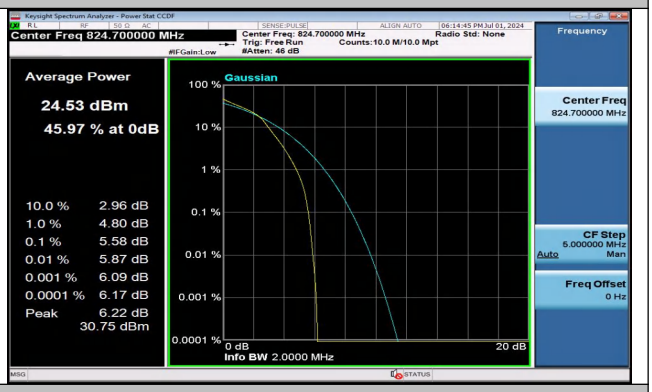


Band5-1.4MHz-QPSK-20407-1RB#0-PASS

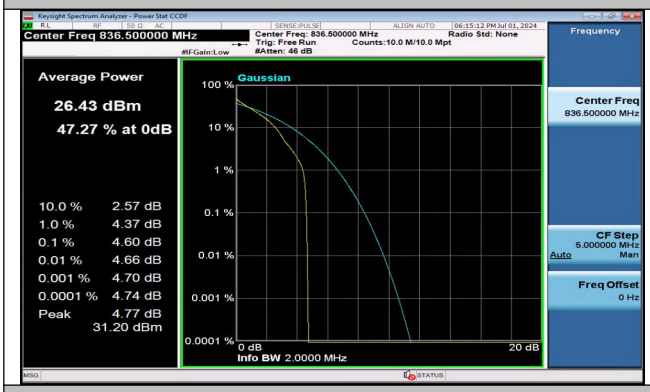
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



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

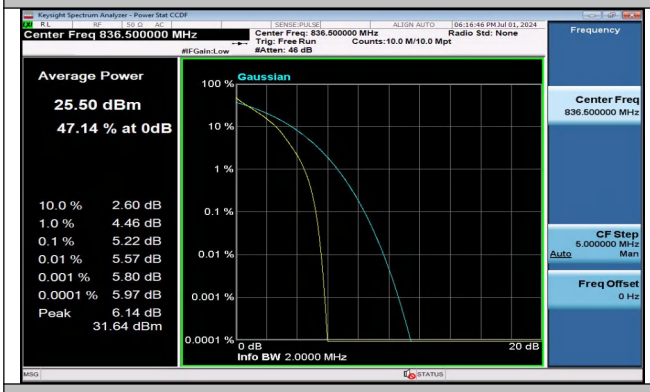


Band5-1.4MHz-16QAM-20407-6RB#0-PASS

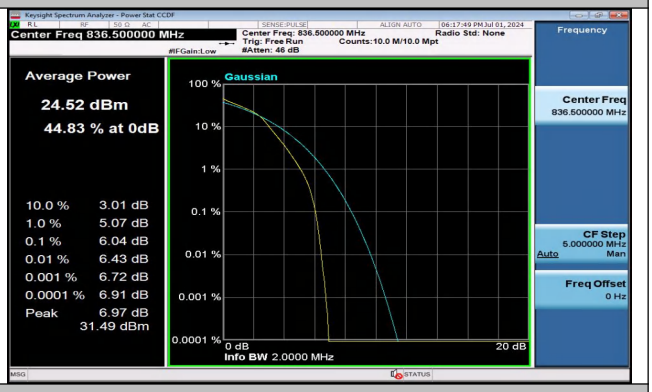


Band5-1.4MHz-QPSK-20525-1RB#0-PASS

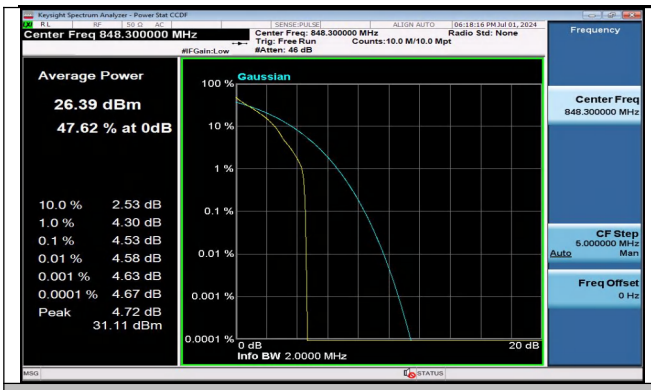
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



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

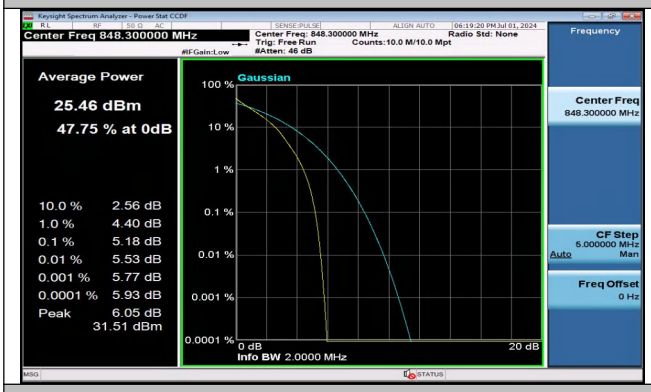


Band5-1.4MHz-16QAM-20525-6RB#0-PASS

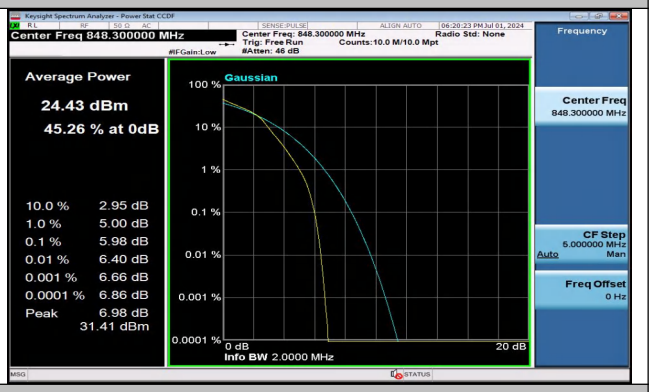


Band5-1.4MHz-QPSK-20643-1RB#0-PASS

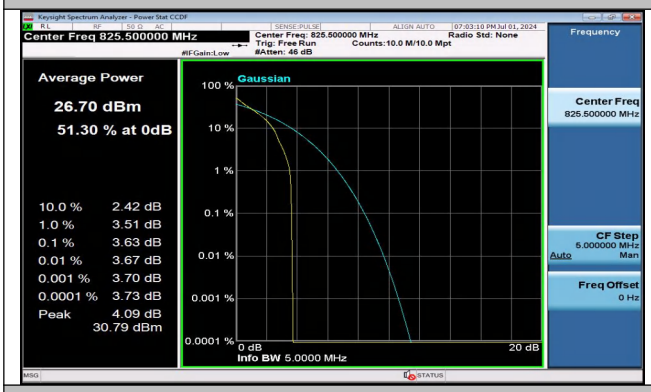
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



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



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



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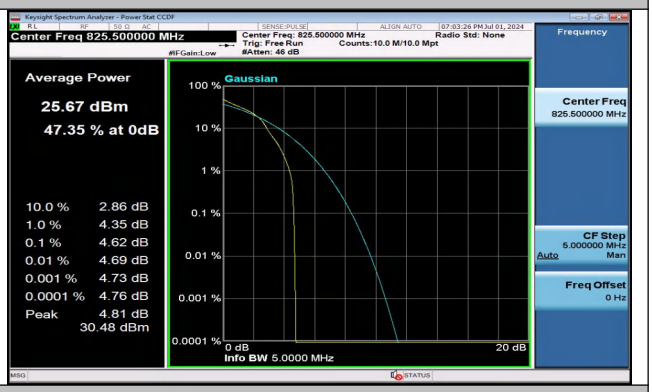
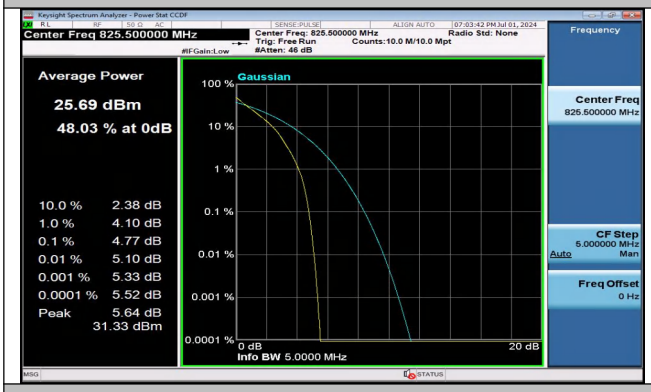
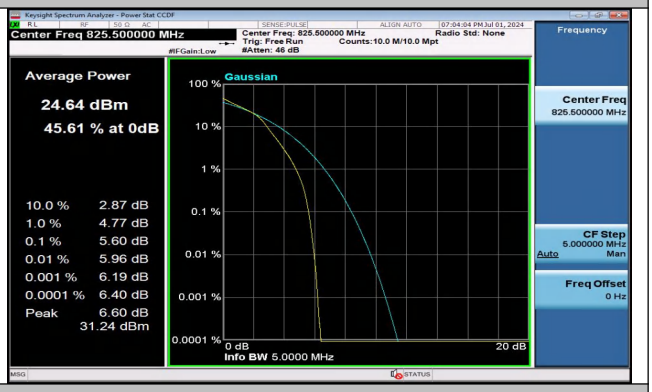


Band5-3MHz-16QAM-20415-1RB#0-PASS



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



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