

FCC Appendix RF Test Data for LTE band 5

Company : HK EKO ELECTRONICS LIMITED

EUT : Security Camera

Model Number : GP01

Report No. : CTA26071602003

FCC ID : 2BR3K-SECCAM-GP01

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	22.97	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.94	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.84	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.87	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.89	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.95	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.83	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.10	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.16	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.80	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.91	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.09	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.12	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.13	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.09	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.22	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	21.95	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.05	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.10	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.08	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.86	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.88	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.86	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.78	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.02	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.98	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.28	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.07	PASS

Band5	1.4MHz	16QAM	20525	3RB#1	22.05	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.29	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.27	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.40	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.38	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.07	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.02	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.09	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.12	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.41	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.43	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.18	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.60	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.65	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.52	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.50	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.76	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.17	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.07	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.85	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.85	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.27	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.18	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.12	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.14	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.05	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.06	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.10	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.14	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.08	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.79	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.74	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.50	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.74	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.77	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.64	PASS

Band5	3MHz	16QAM	20415	15RB#0	20.59	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.83	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.34	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.28	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.78	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.89	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.33	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.11	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.17	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.18	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.20	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.08	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.08	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.11	PASS
Band5	3MHz	16QAM	20635	15RB#0	19.97	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.89	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.51	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.49	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.74	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.78	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.54	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.69	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.23	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.24	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.54	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.10	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.09	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.55	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.34	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.12	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.38	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.73	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.64	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.67	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.50	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.56	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.89	PASS

Band5	5MHz	16QAM	20425	1RB#12	21.57	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.44	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.88	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.90	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.68	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.69	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.62	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.61	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.96	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.12	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.12	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.59	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.26	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.09	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.52	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.78	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.72	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.72	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.51	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.60	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.54	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.74	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.70	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.95	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.96	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.81	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.49	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.38	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.59	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.40	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.48	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.85	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.69	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.38	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.19	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.91	PASS

Band5	10MHz	QPSK	20600	25RB#0	22.70	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.78	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.96	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.32	PASS

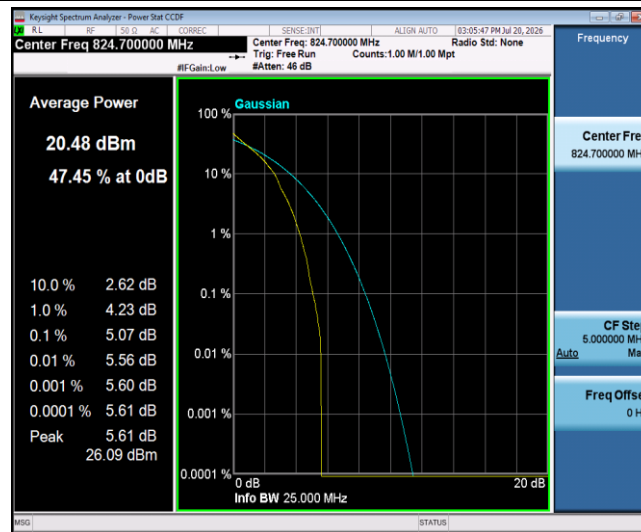
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

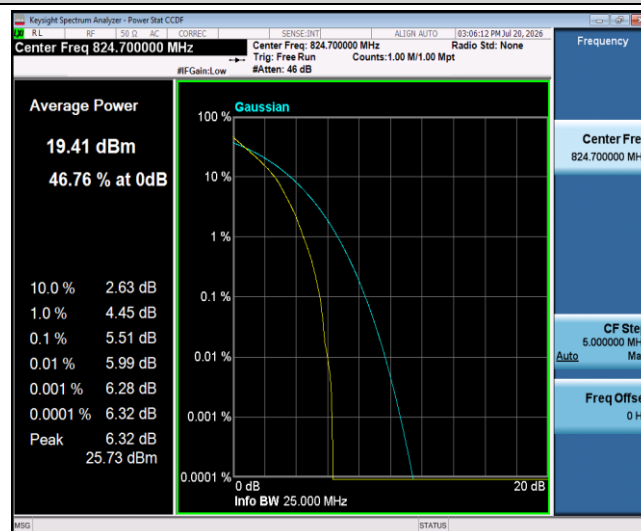
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.07	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.51	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	5.22	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.51	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.82	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.78	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.30	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	6.01	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.39	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	6.22	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.55	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.17	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.67	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.38	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.56	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	5.90	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.94	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.63	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.40	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.38	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.27	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	6.36	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.75	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.14	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.81	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.05	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.62	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	5.58	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.81	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.85	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.44	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.98	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.28	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	6.26	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	6.49	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.13	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.89	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.53	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.76	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.77	13	PASS

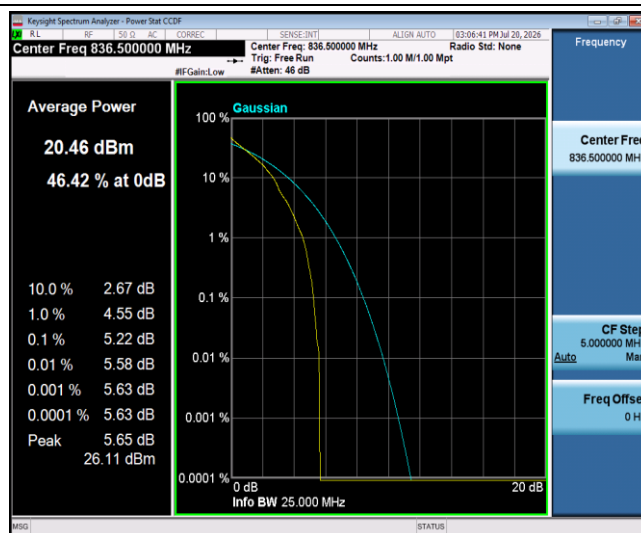
Test Graphs



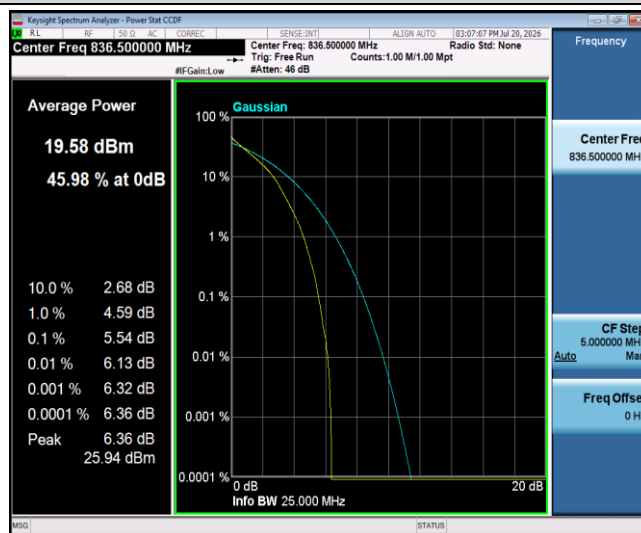
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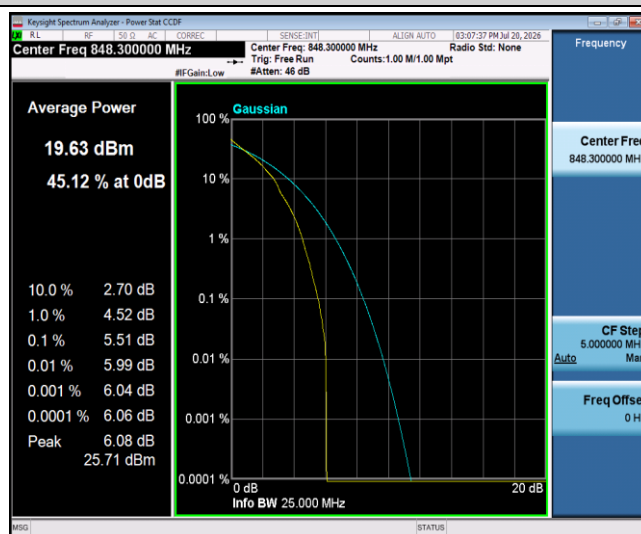
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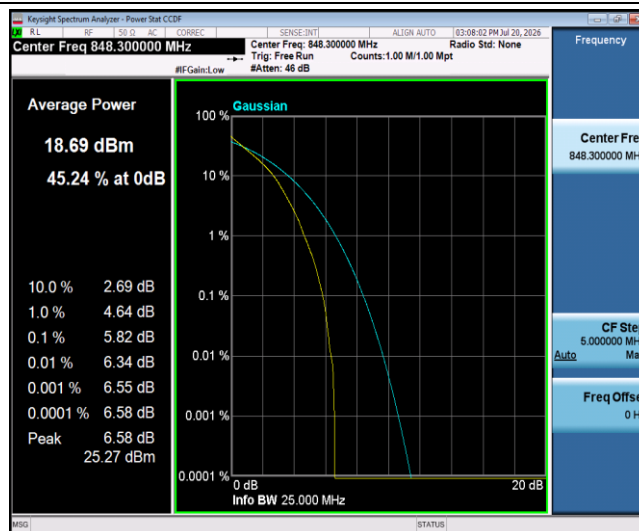
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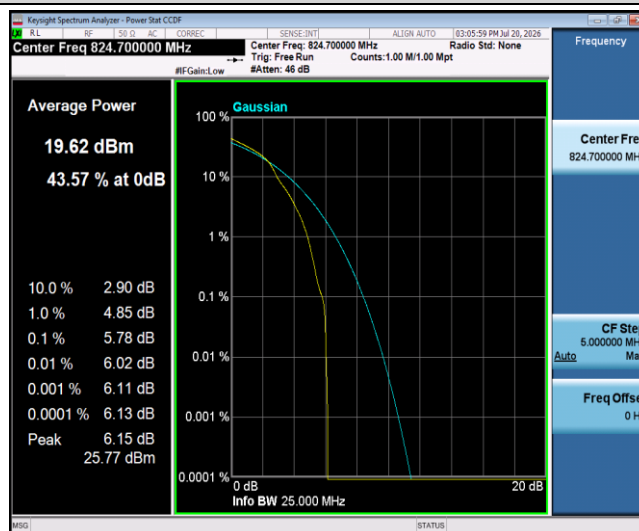
Band5-1.4MHz-QPSK-20525-6RB#0



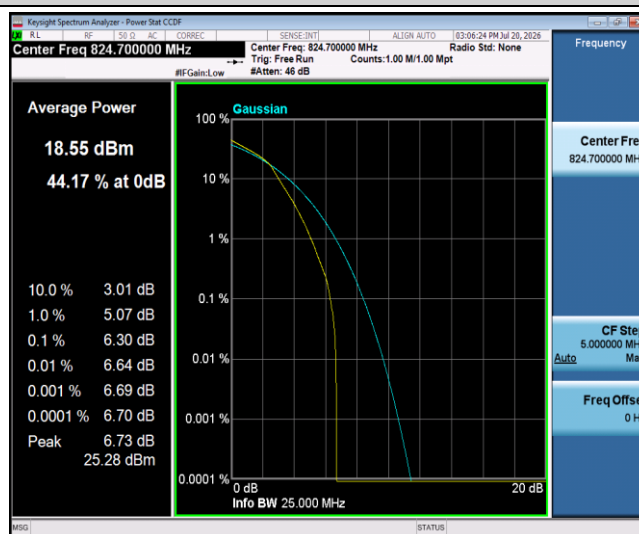
Band5-1.4MHz-QPSK-20643-1RB#0



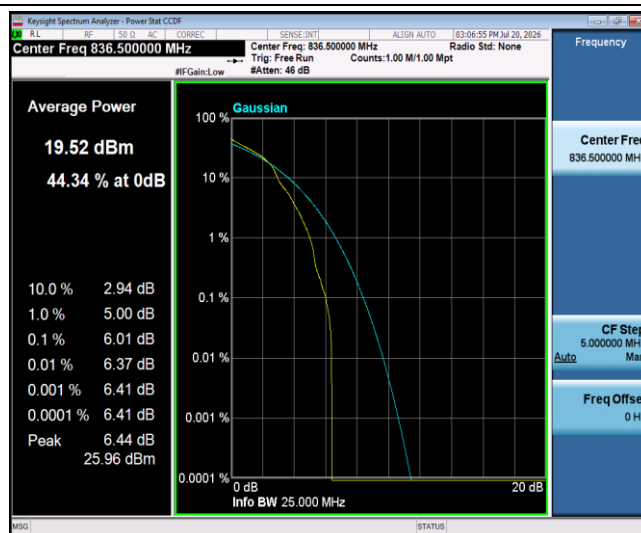
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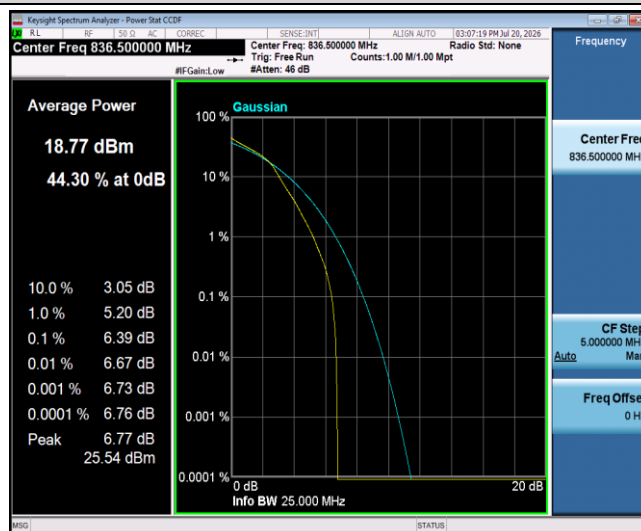
Band5-1.4MHz-16QAM-20407-1RB#0



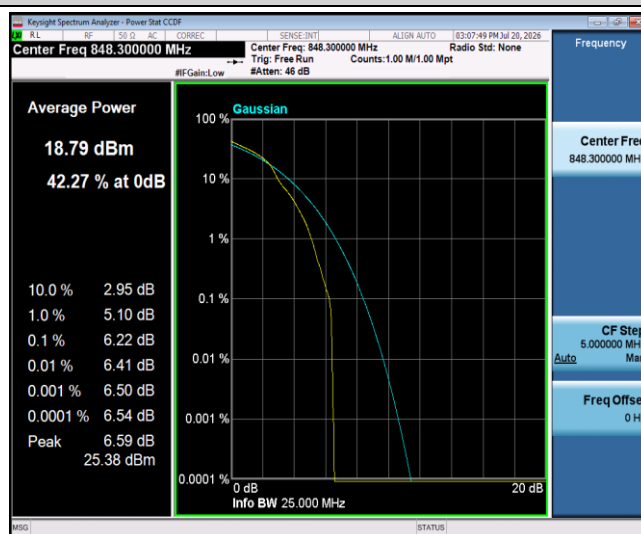
Band5-1.4MHz-16QAM-20407-6RB#0



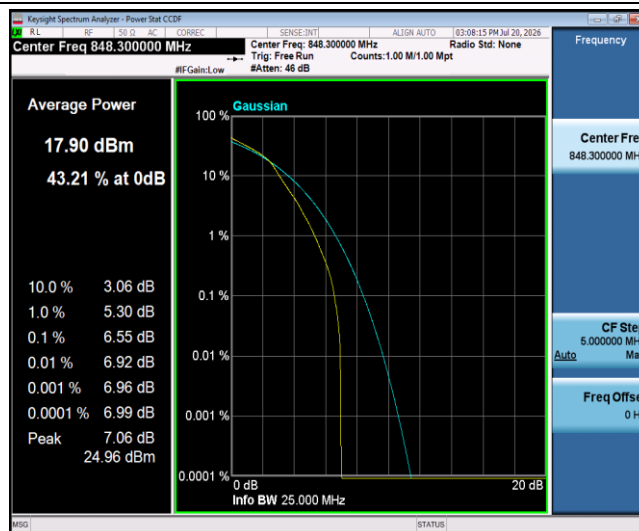
Band5-1.4MHz-16QAM-20525-1RB#0



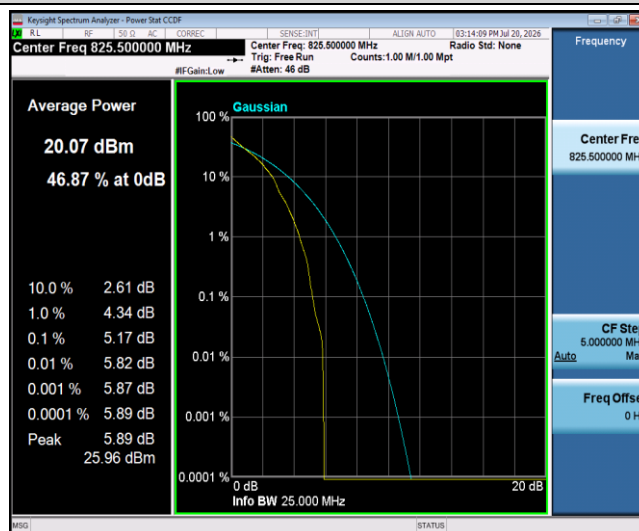
Band5-1.4MHz-16QAM-20525-6RB#0



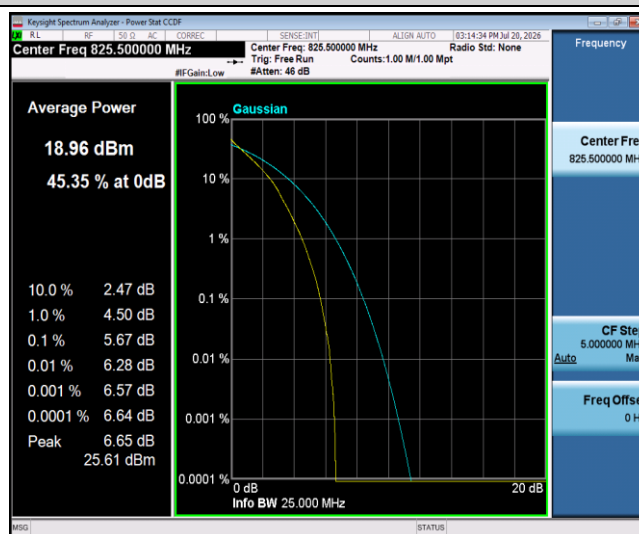
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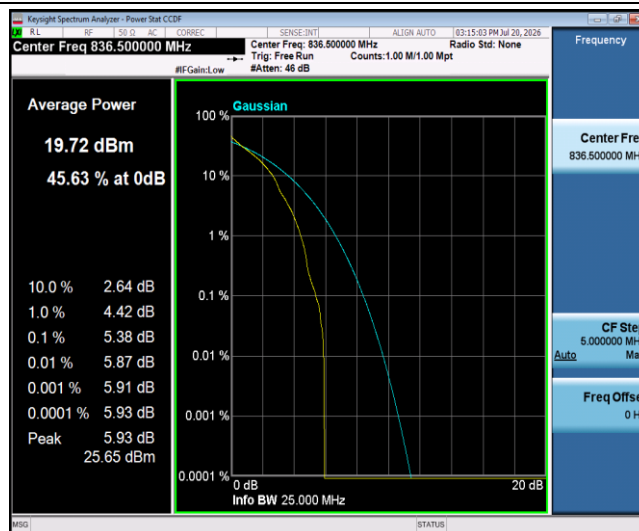
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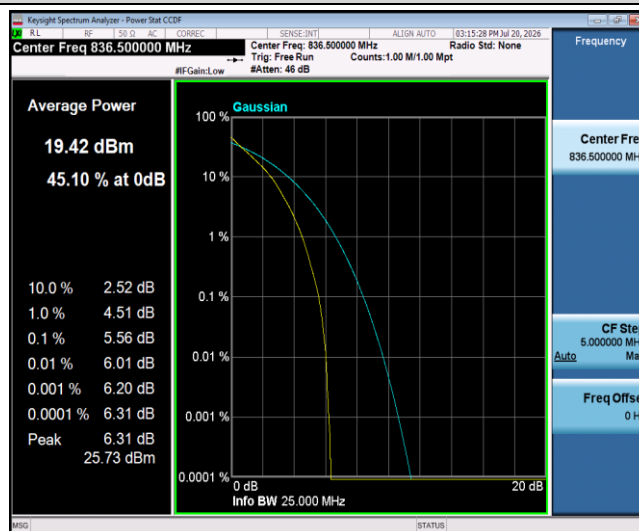
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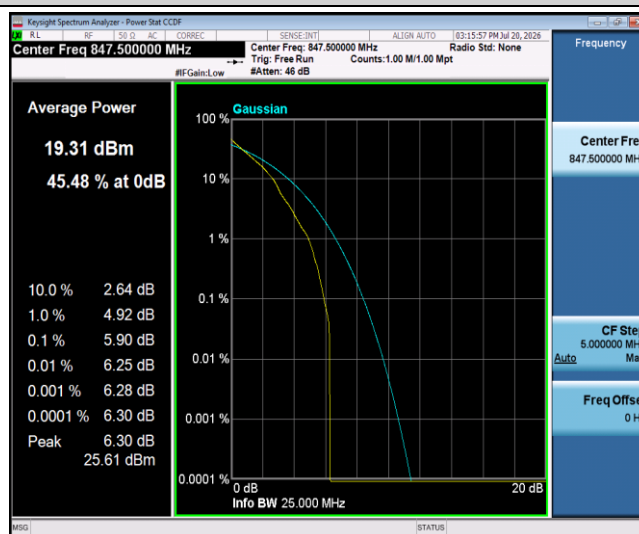
Band5-3MHz-QPSK-20415-15RB#0



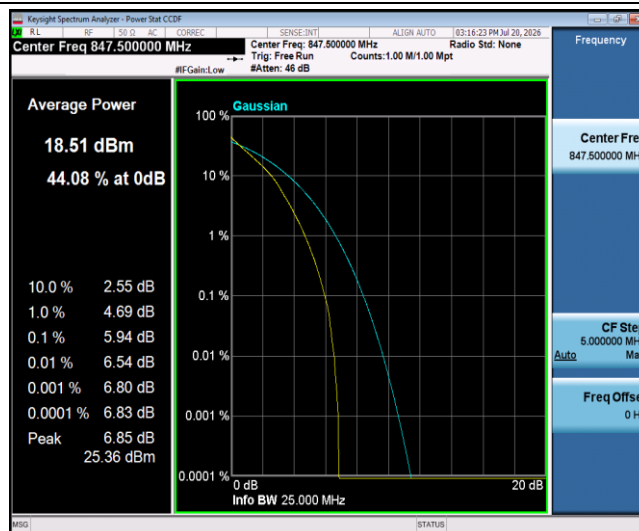
Band5-3MHz-QPSK-20525-1RB#0



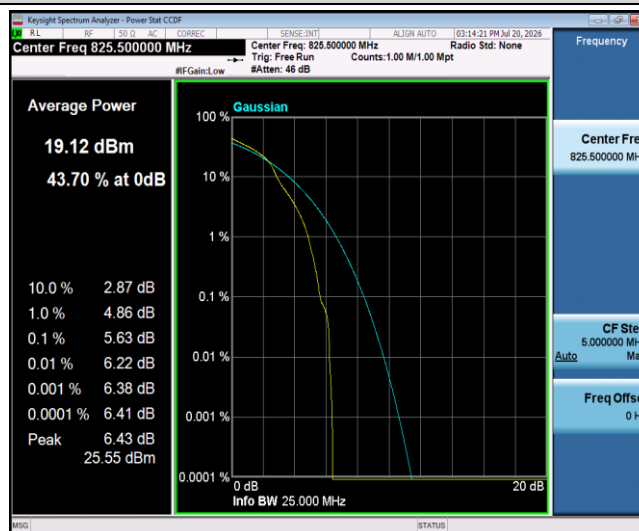
Band5-3MHz-QPSK-20525-15RB#0



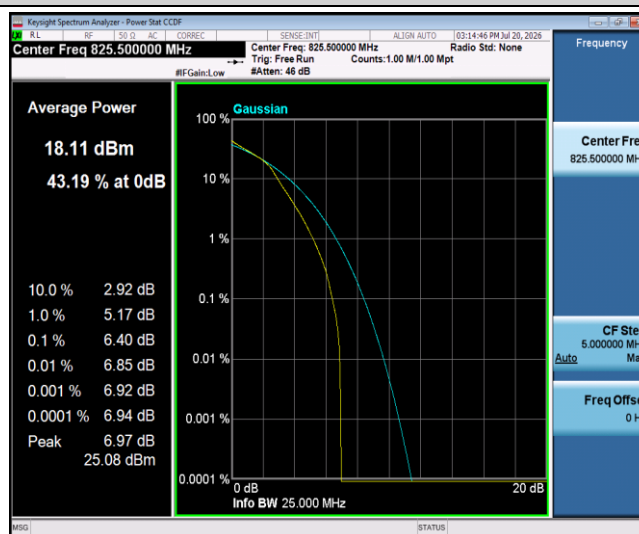
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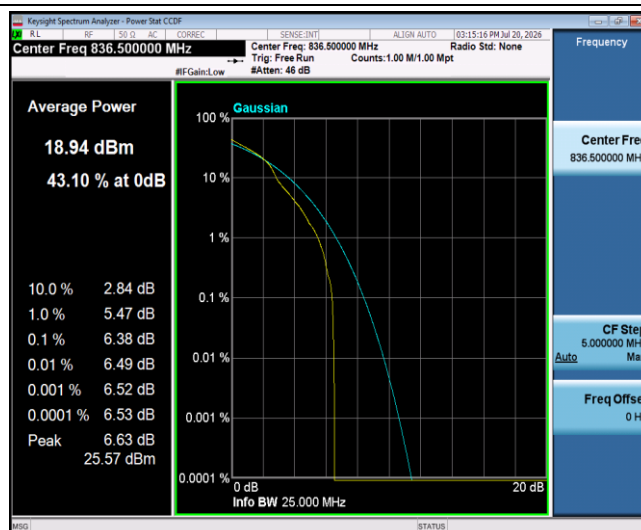
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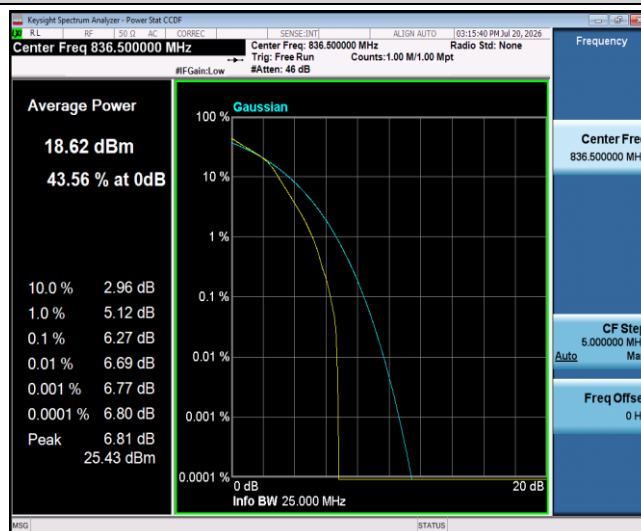
Band5-3MHz-16QAM-20415-1RB#0



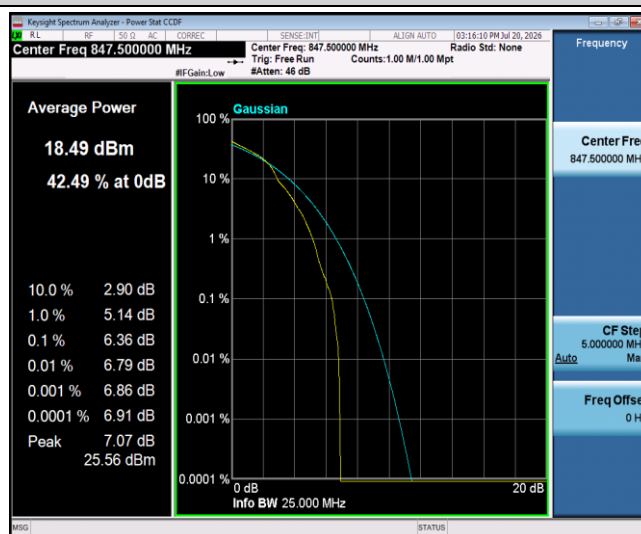
Band5-3MHz-16QAM-20415-15RB#0



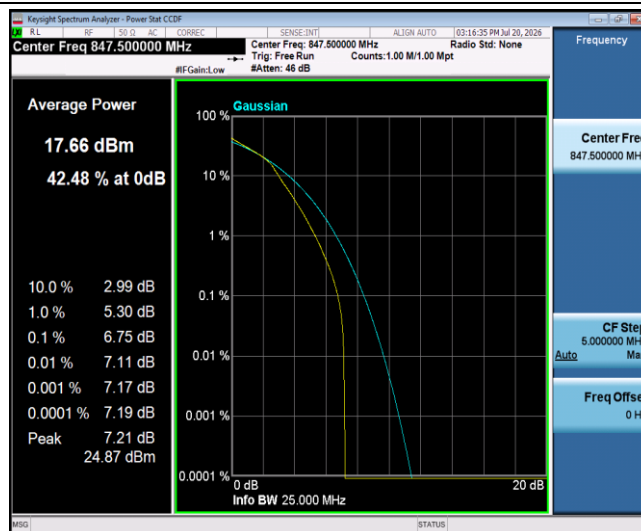
Band5-3MHz-16QAM-20525-1RB#0



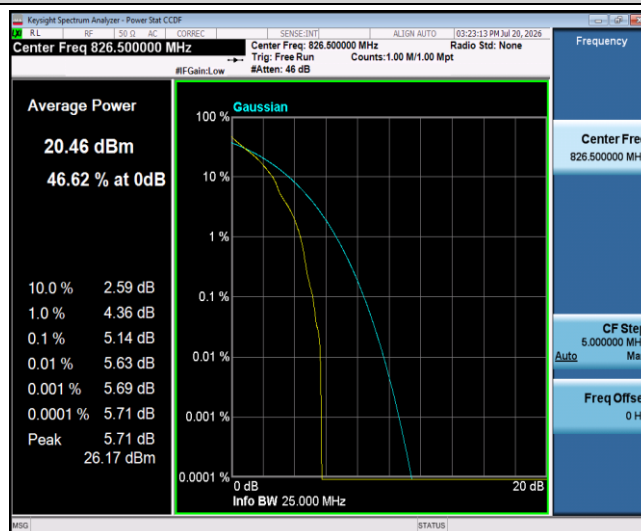
Band5-3MHz-16QAM-20525-15RB#0



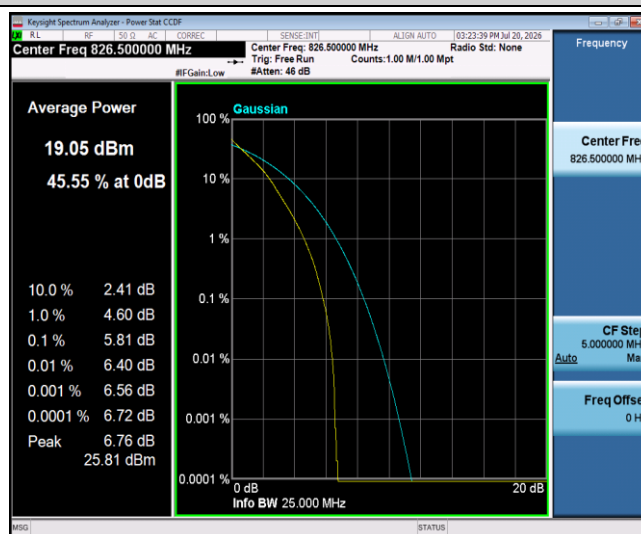
Band5-3MHz-16QAM-20635-1RB#0



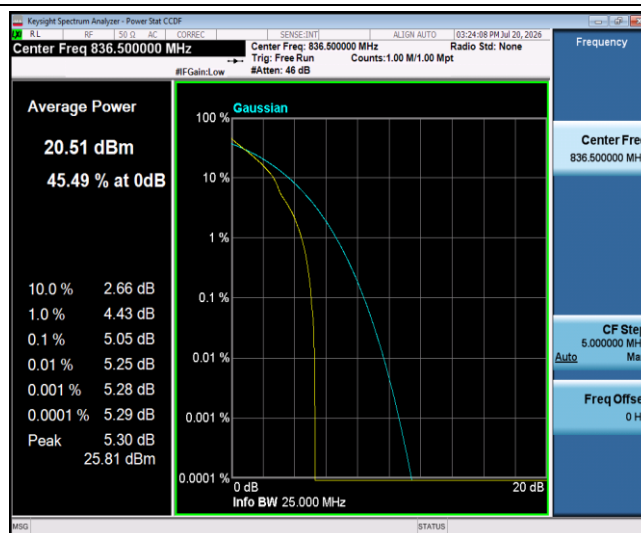
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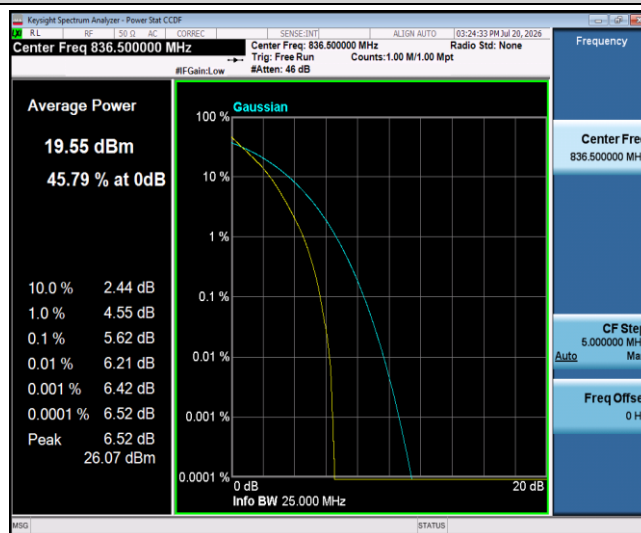
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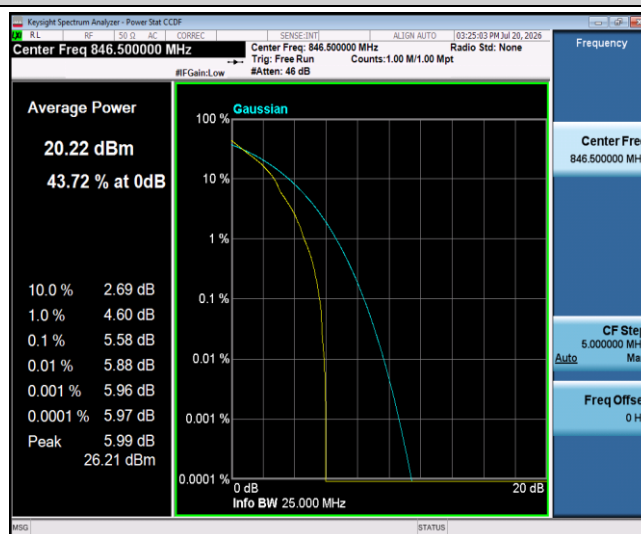
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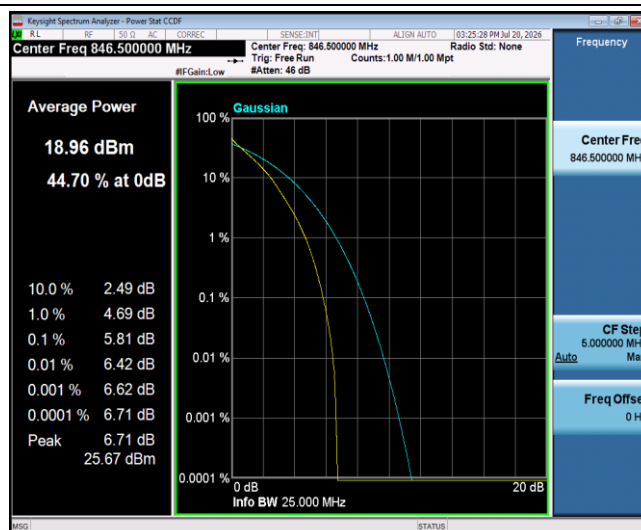
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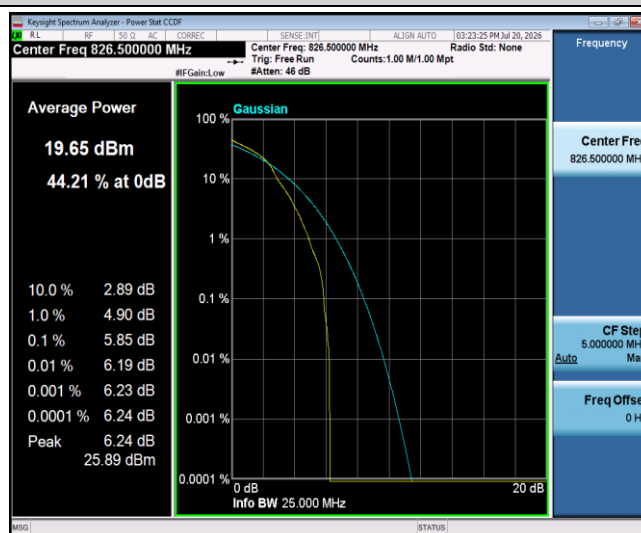
Band5-5MHz-QPSK-20525-25RB#0



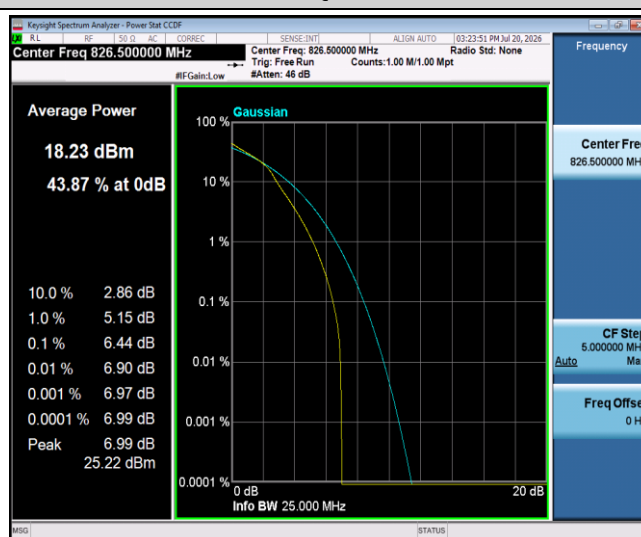
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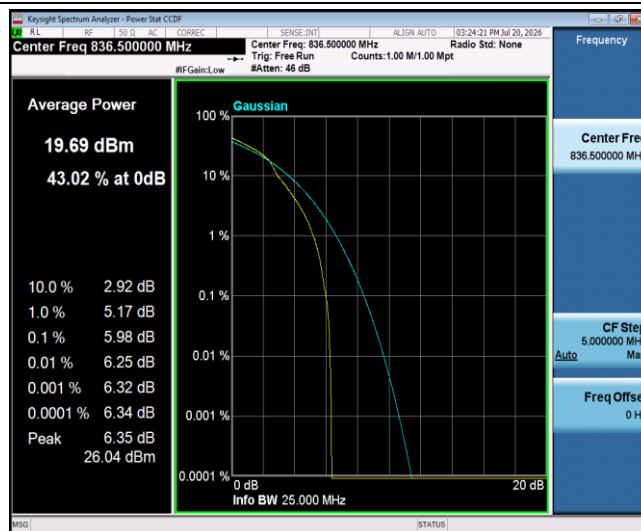
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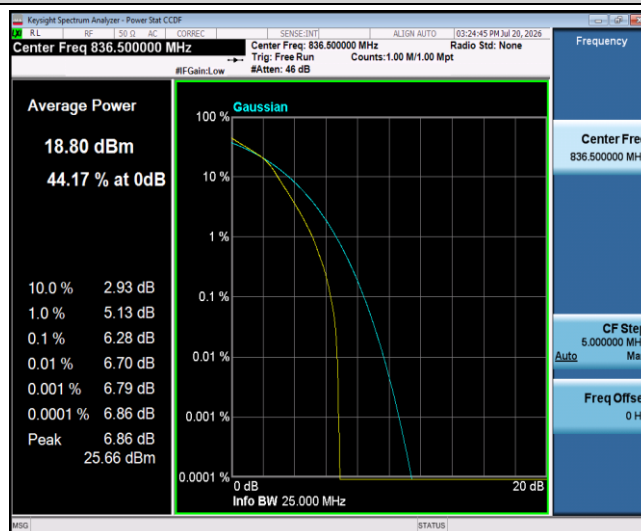
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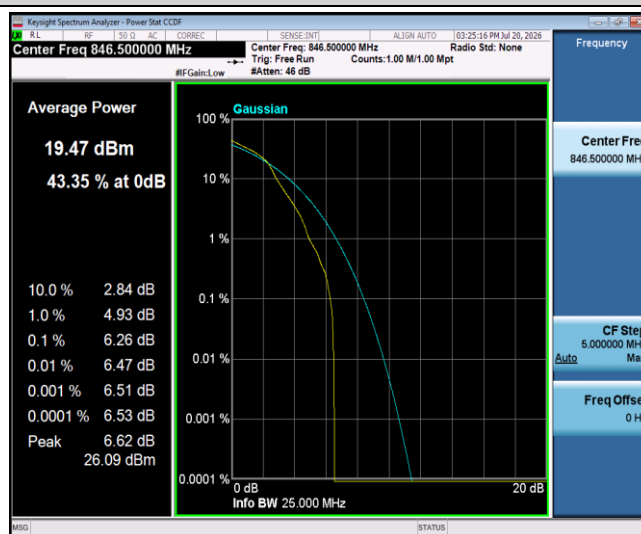
Band5-5MHz-16QAM-20425-25RB#0



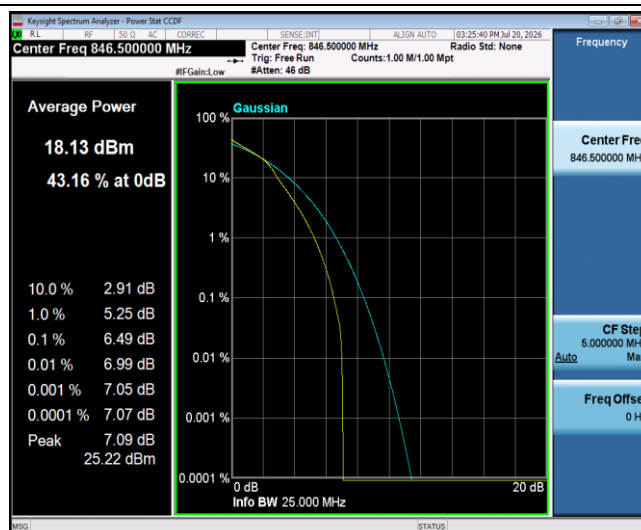
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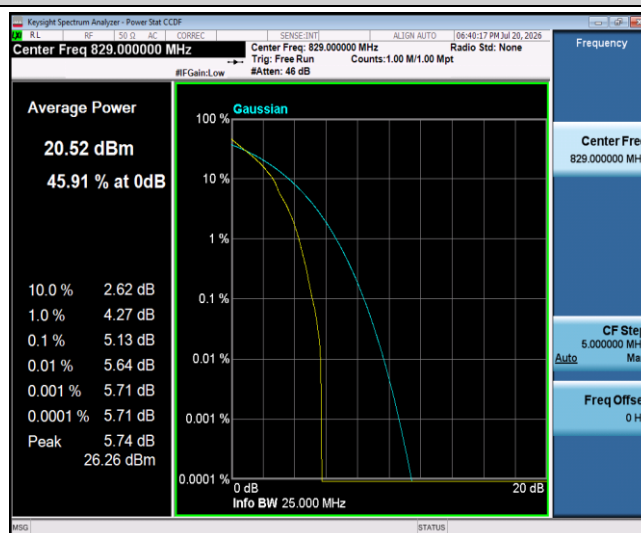
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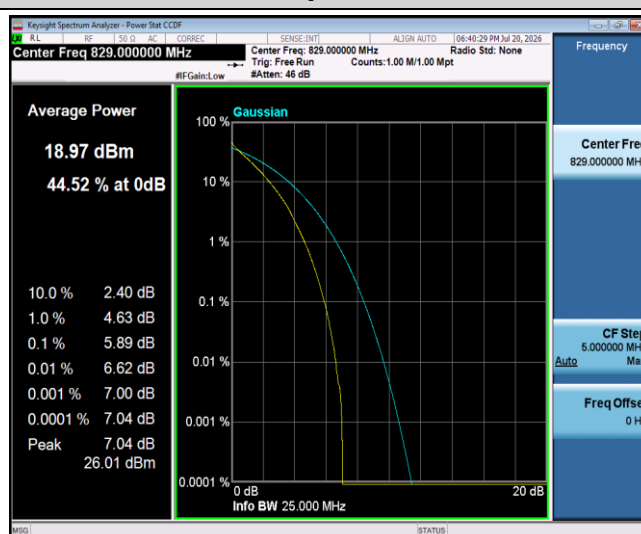
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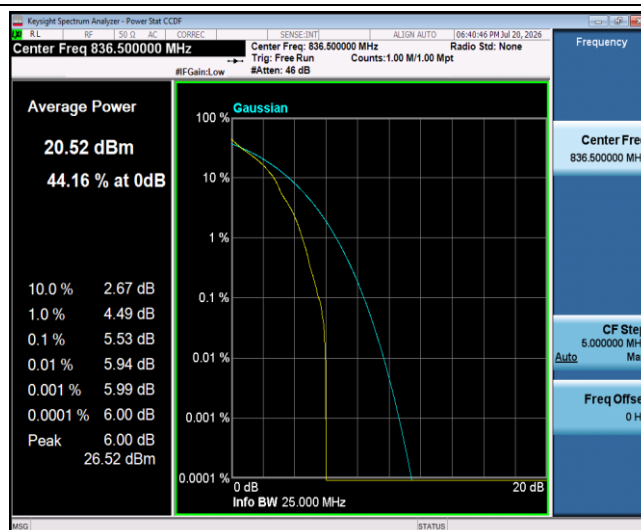
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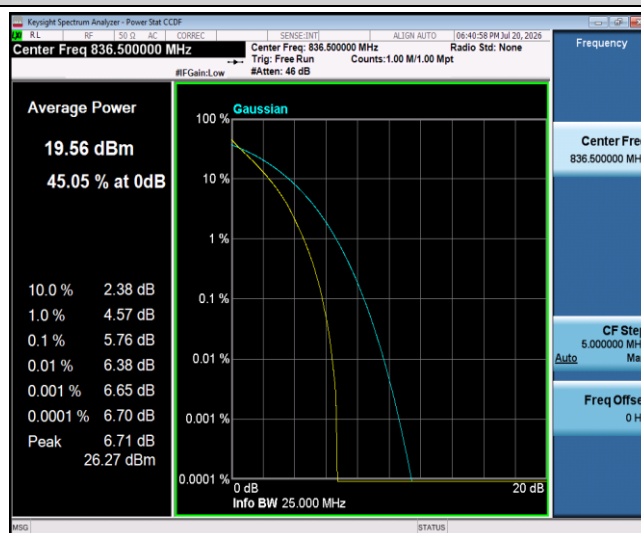
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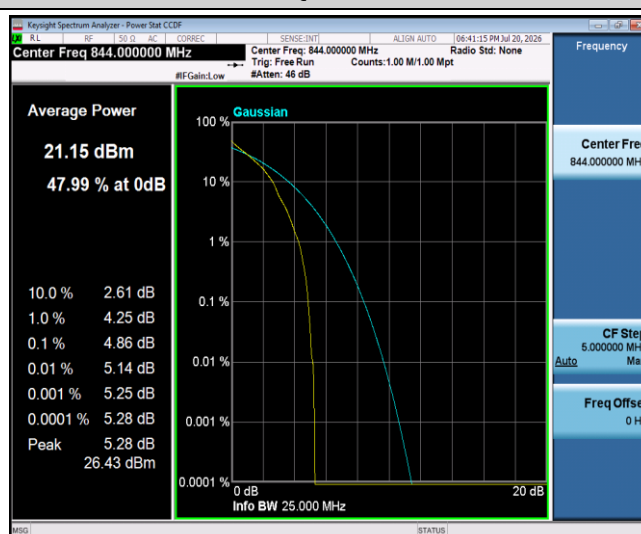
Band5-10MHz-QPSK-20450-50RB#0



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



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



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



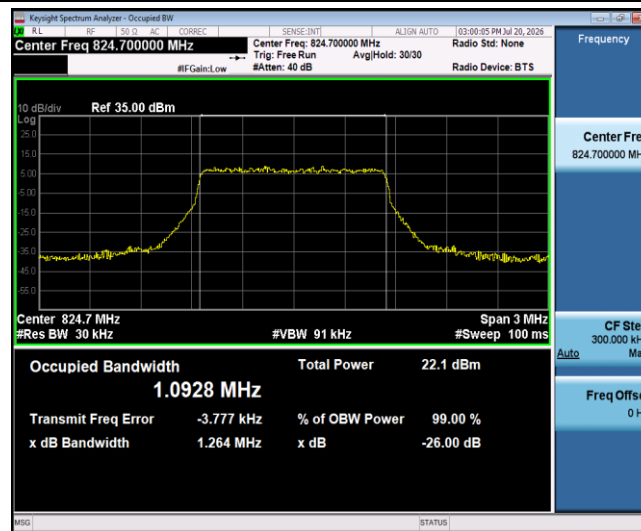
Band5-10MHz-QPSK-20600-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

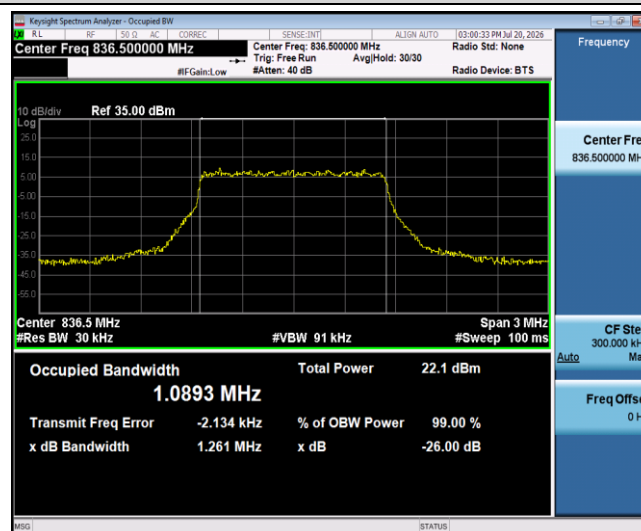
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0928	1.264	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0893	1.261	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0930	1.267	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0884	1.281	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0898	1.293	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0937	1.301	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6947	3.029	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6998	2.992	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6977	3.022	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7042	3.011	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6981	3.018	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6964	2.986	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5076	5.166	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4977	5.099	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5101	5.125	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4989	5.100	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5054	5.140	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5030	5.084	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9992	9.704	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9772	9.706	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9860	9.735	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