



Appendix F: Test Data for E-UTRA Band 5

Product Name: 4G PHONE

Test Model: MiniVision2

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



F.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.50	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.55	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.70	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.67	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.69	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.60	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.78	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.75	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.92	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.73	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.75	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.79	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.75	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.67	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.65	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.48	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.65	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.60	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.60	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.73	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.69	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.76	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.69	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.46	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.59	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.50	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.88	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.75	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.79	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.87	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.57	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.71	PASS



Band5	1.4MHz	16QAM	20525	3RB#3	21.49	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.84	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.05	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.77	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.40	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.57	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.32	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.81	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.44	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.43	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.68	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.48	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.55	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.60	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.51	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.57	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.51	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.39	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.69	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.71	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.60	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.67	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.19	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.37	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.40	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.41	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.39	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.48	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.46	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.63	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.43	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.71	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.43	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.42	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.70	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.42	PASS



Band5	3MHz	16QAM	20525	1RB#0	21.48	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.70	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.54	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.49	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.64	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.53	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.54	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.32	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.48	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.48	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.57	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.37	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.73	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.29	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.72	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.58	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.75	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.66	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.77	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.79	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.76	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.89	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.63	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.87	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.94	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.89	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.87	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.66	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.80	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.82	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.77	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.65	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.71	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.73	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.47	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.68	PASS



Band5	5MHz	16QAM	20425	1RB#24	21.50	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.83	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.74	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.67	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.79	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.78	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.79	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.55	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.83	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.73	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.79	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.69	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.48	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.82	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.60	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.67	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.87	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.70	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.75	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.76	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.55	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.60	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.96	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.87	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.02	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.89	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.86	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.09	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.52	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.08	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.06	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.95	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.05	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.71	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.02	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.57	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.96	PASS



Band5	10MHz	QPSK	20600	25RB#12	21.96	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.92	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.84	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.72	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.24	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.93	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.90	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.92	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.00	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.89	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.55	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.32	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.48	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.00	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.08	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.00	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.93	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.52	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.40	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.01	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.91	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.98	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.87	PASS



F.2 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	4.57	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.19	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.28	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.98	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.98	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.60	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.60	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.06	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.37	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.90	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.97	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.74	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.35	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.46	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.11	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.03	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.75	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.64	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.21	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.30	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.04	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.93	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.61	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.48	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.25	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.40	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.03	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.04	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.72	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.06	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.84	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.94	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.58	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.50	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.07	13	PASS

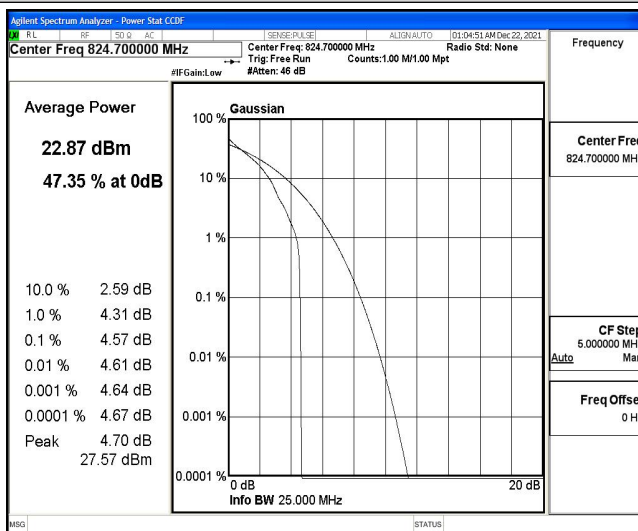


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Band5	10MHz	QPSK	20525	50RB#0	5.02	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.29	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.55	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.90	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.18	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.91	13	PASS
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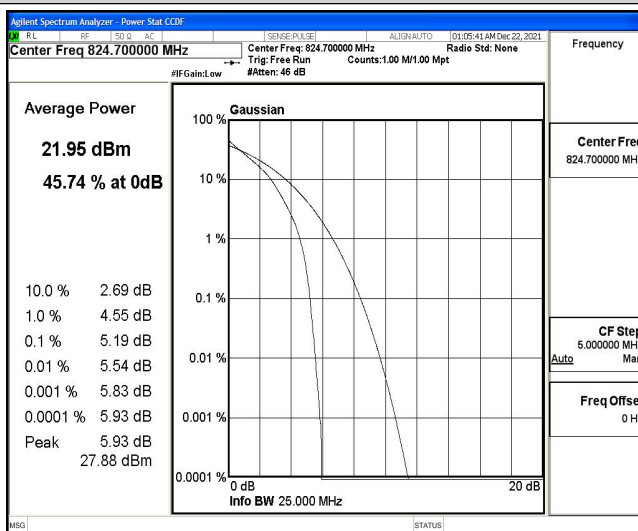


Test Graphs

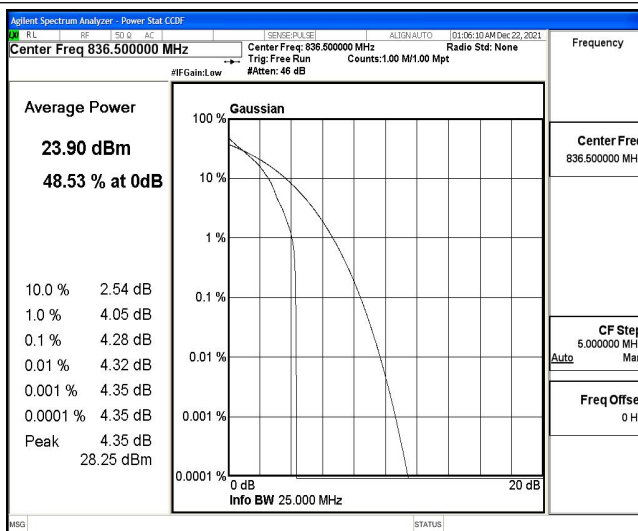
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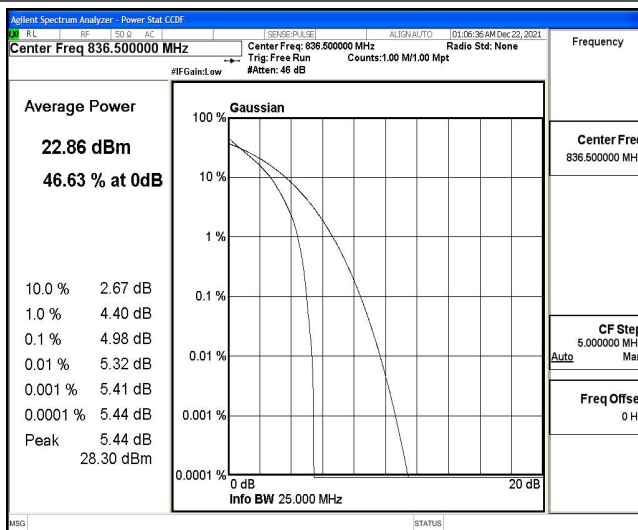
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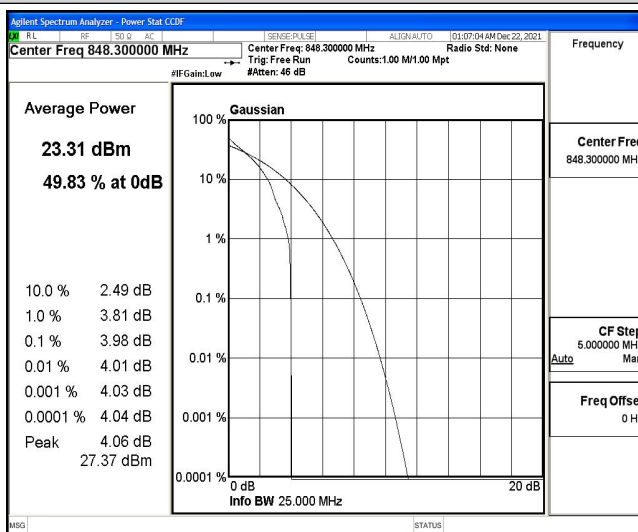
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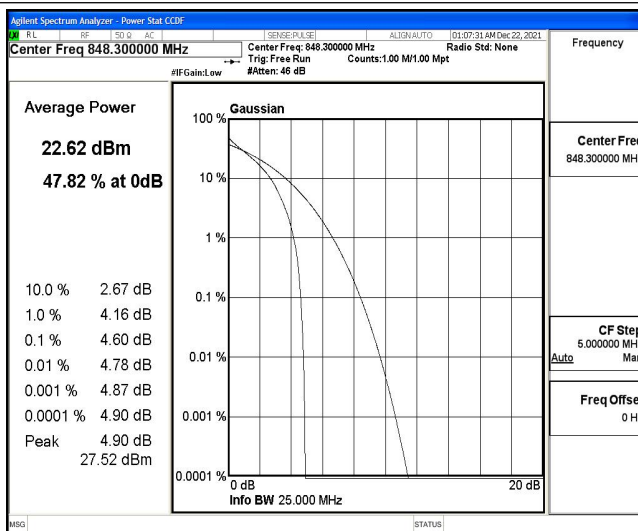
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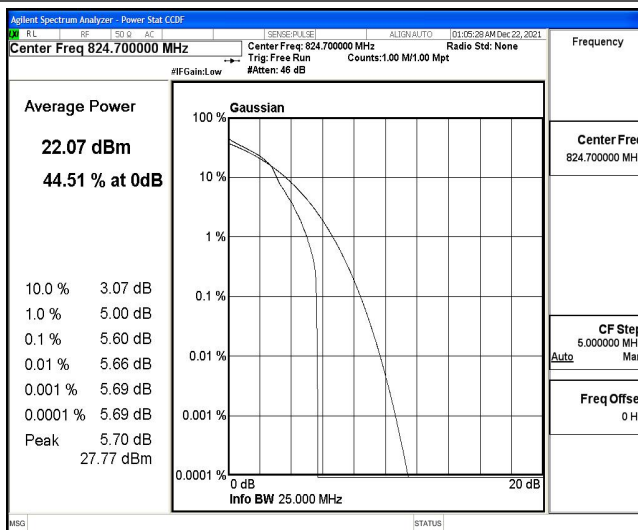
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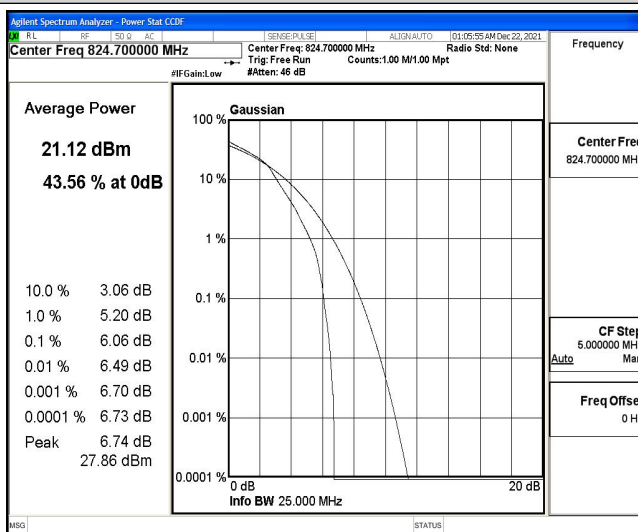
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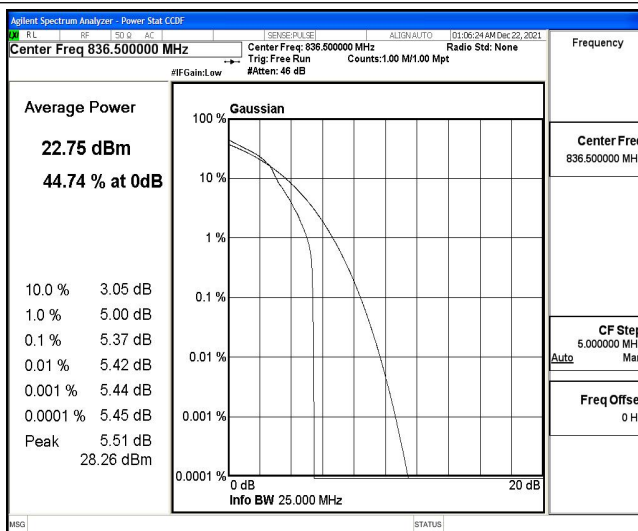
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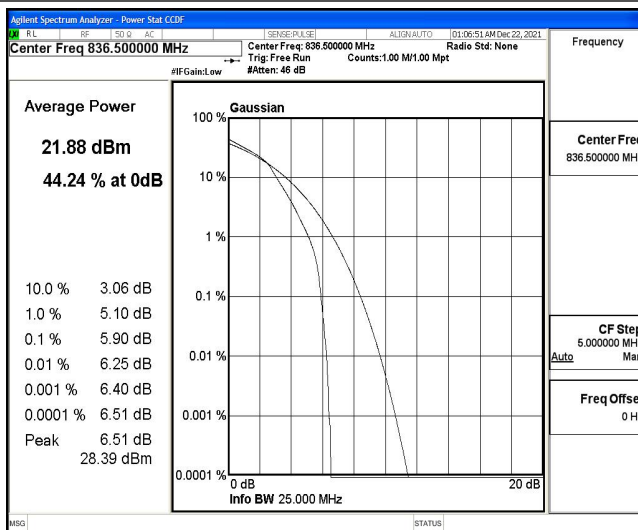
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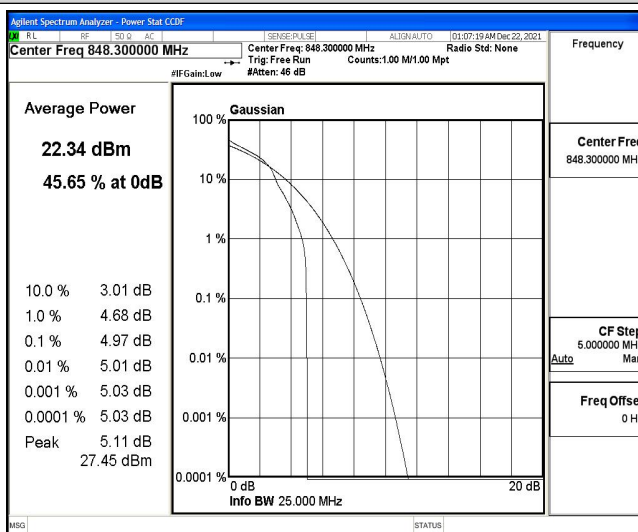
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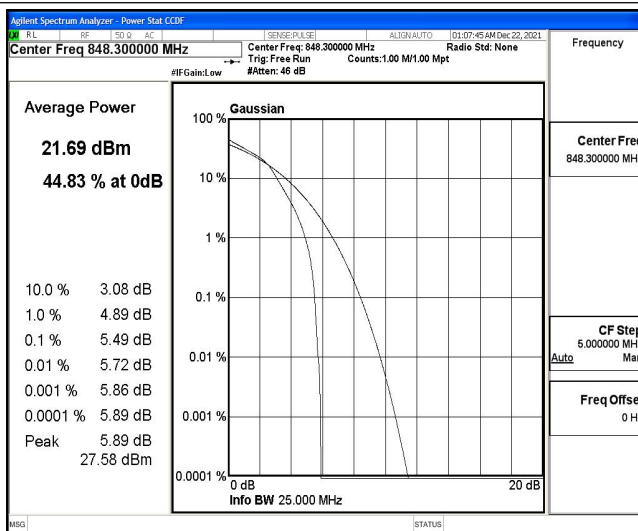
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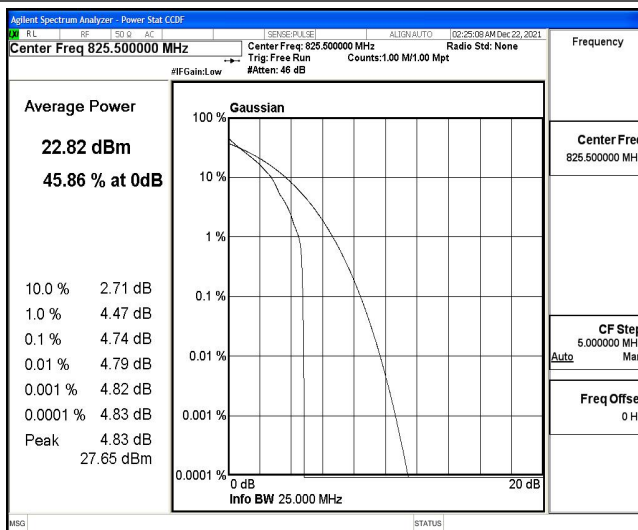
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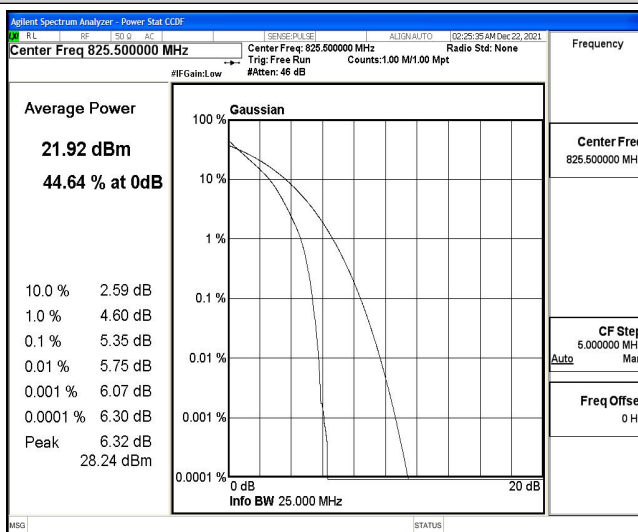
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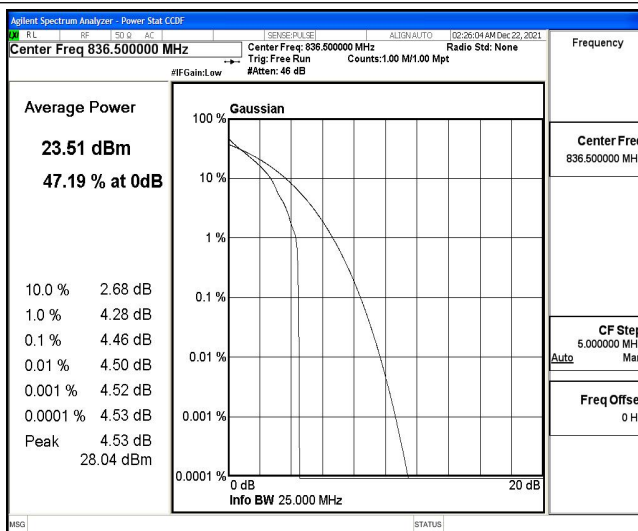
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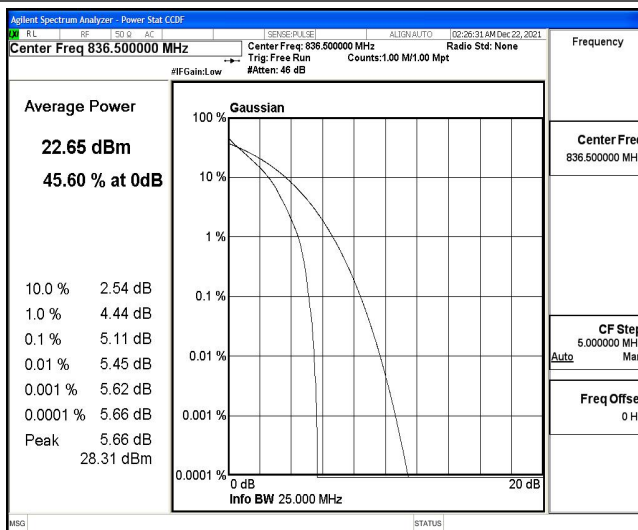
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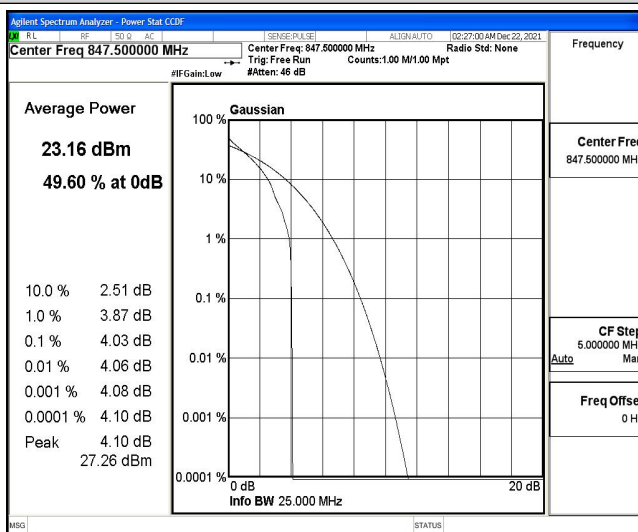
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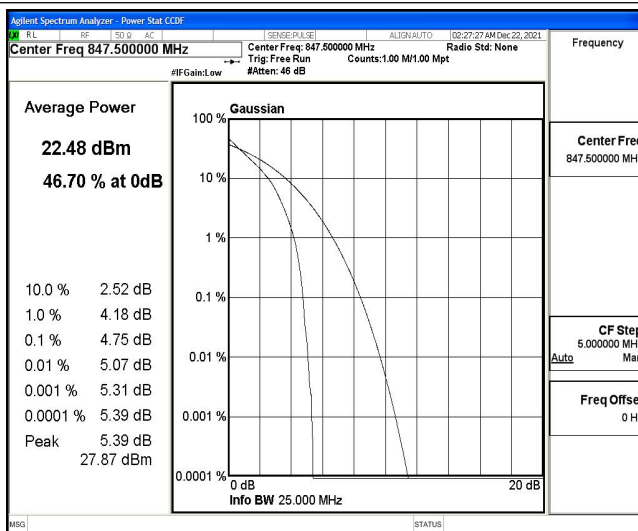
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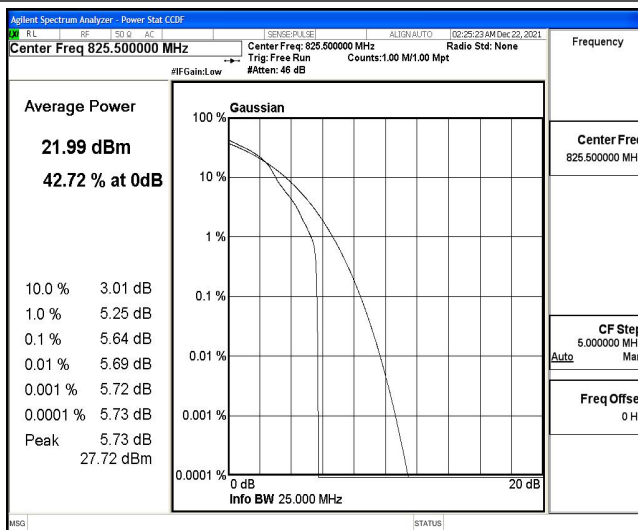
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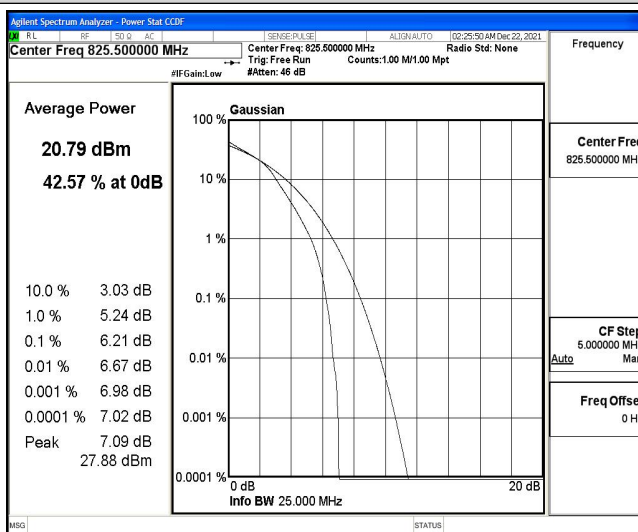
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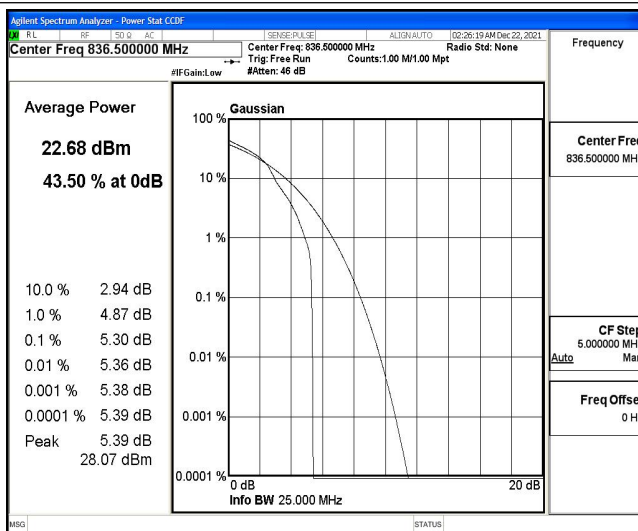
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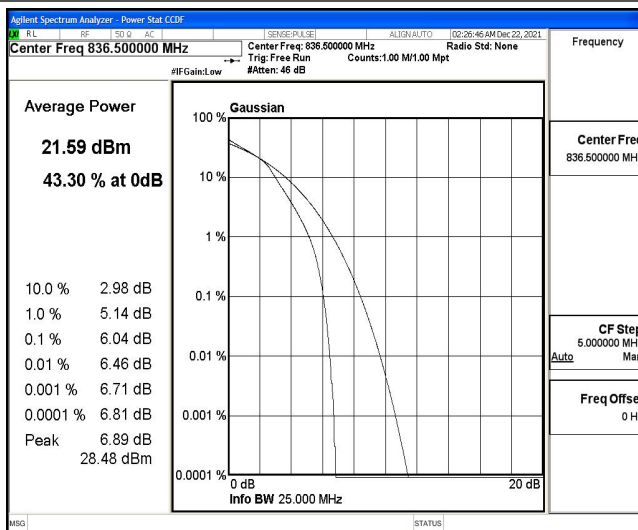
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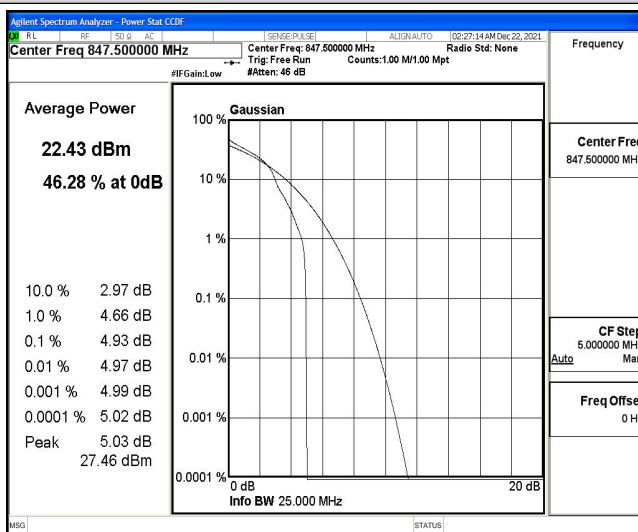
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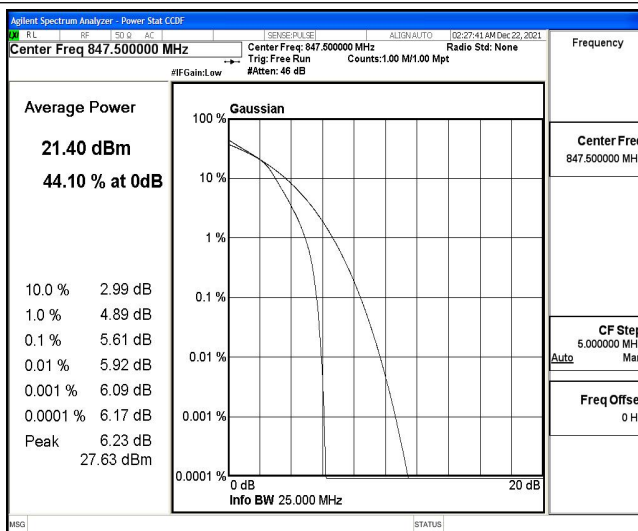
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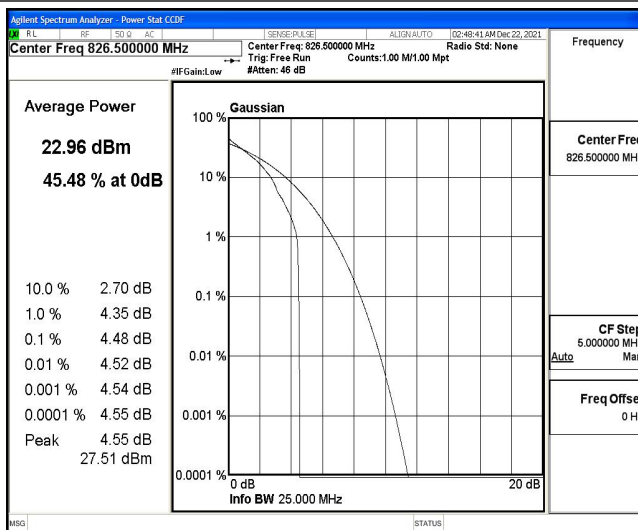
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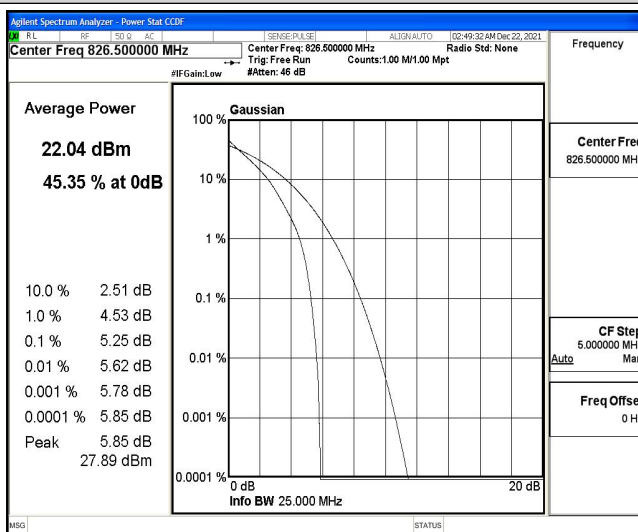
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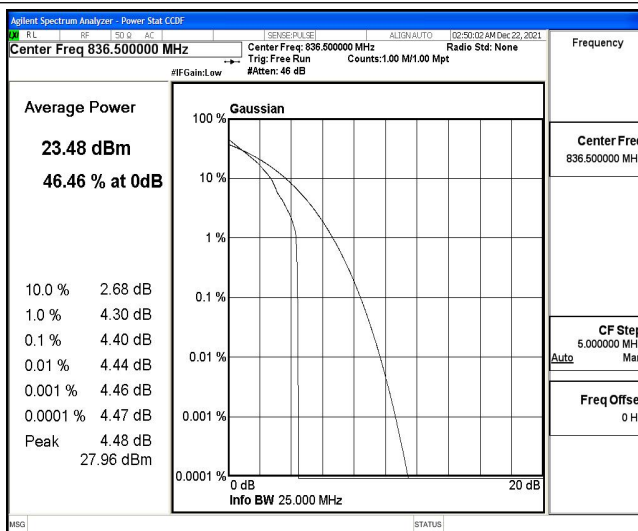
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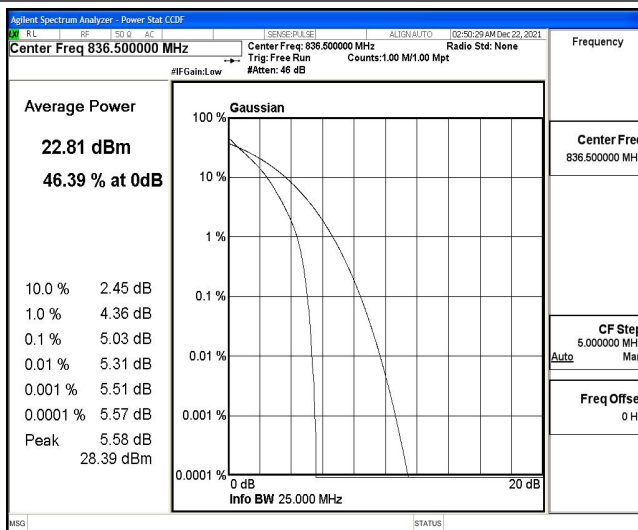
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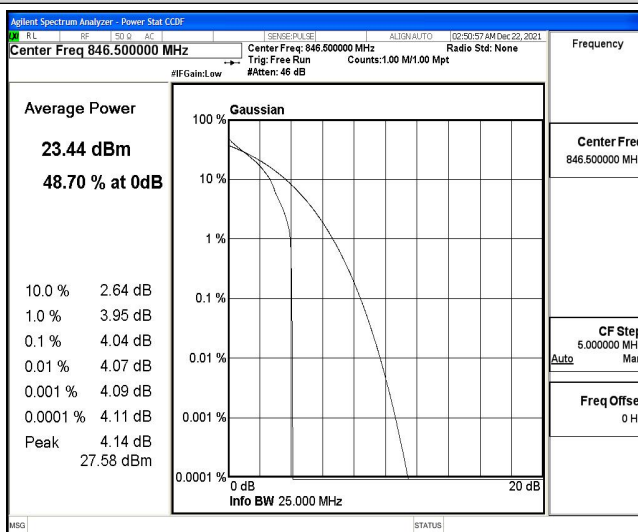
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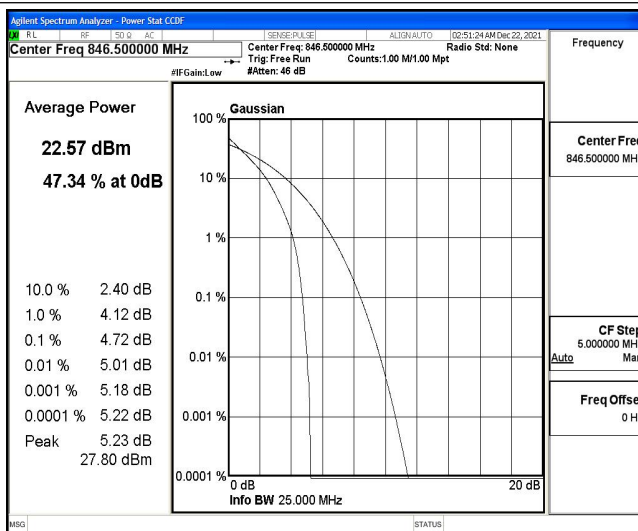
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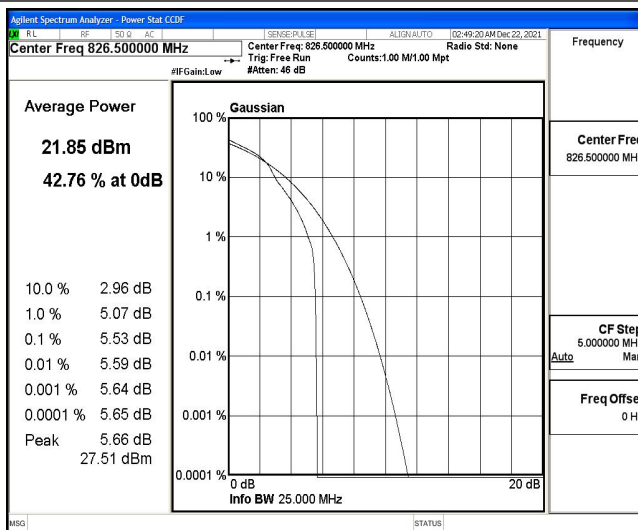
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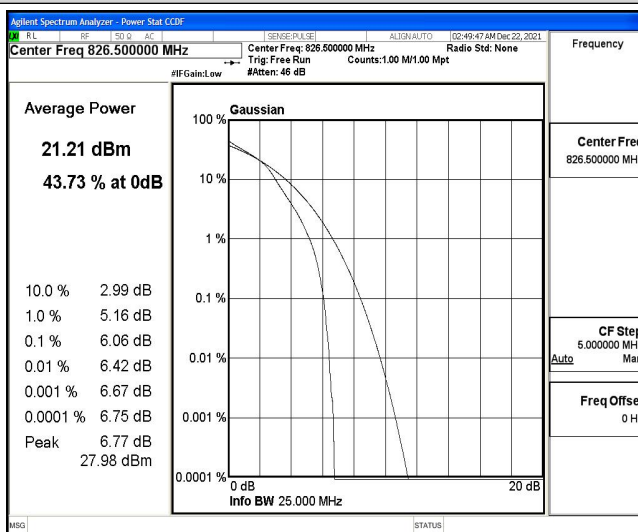
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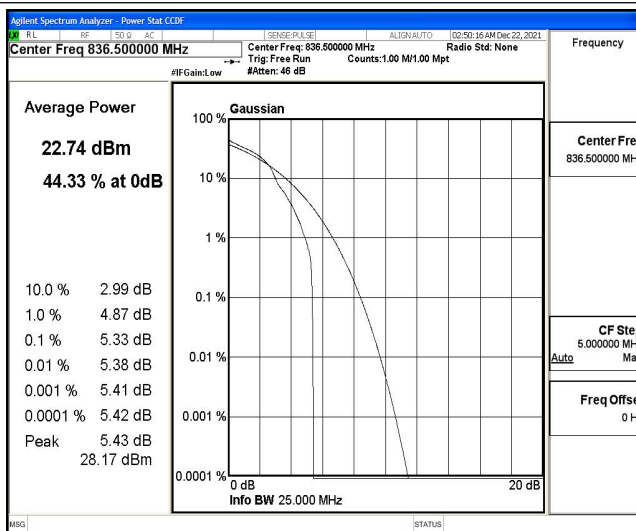
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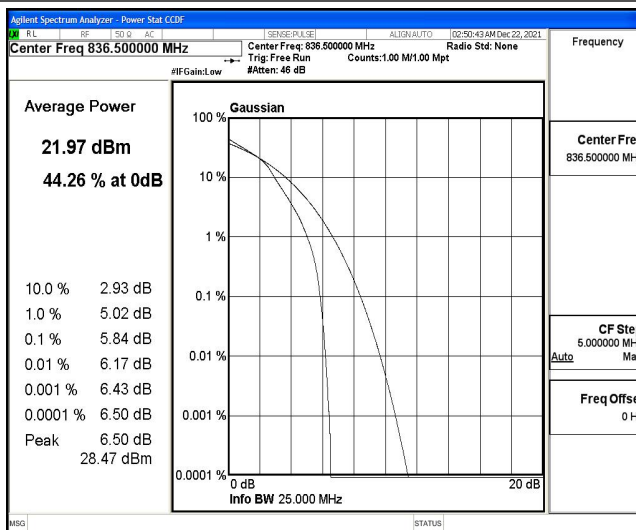
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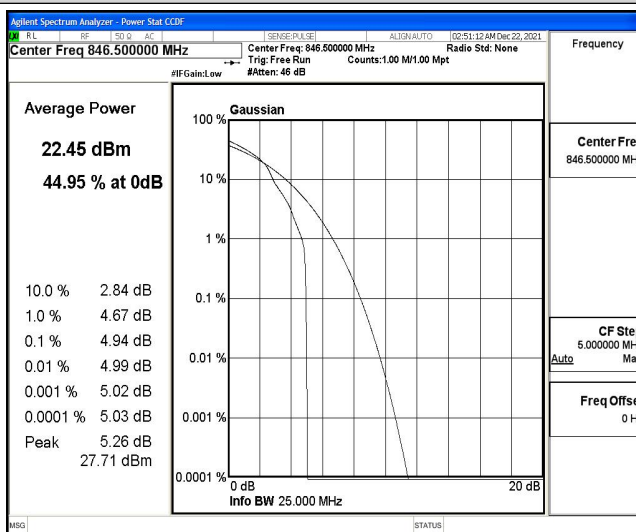
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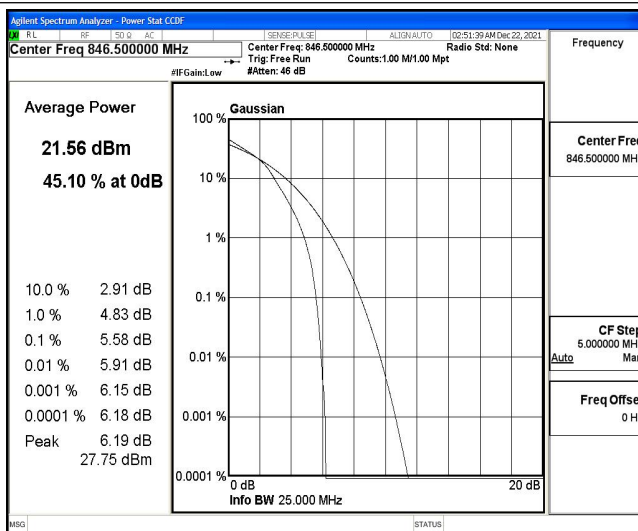
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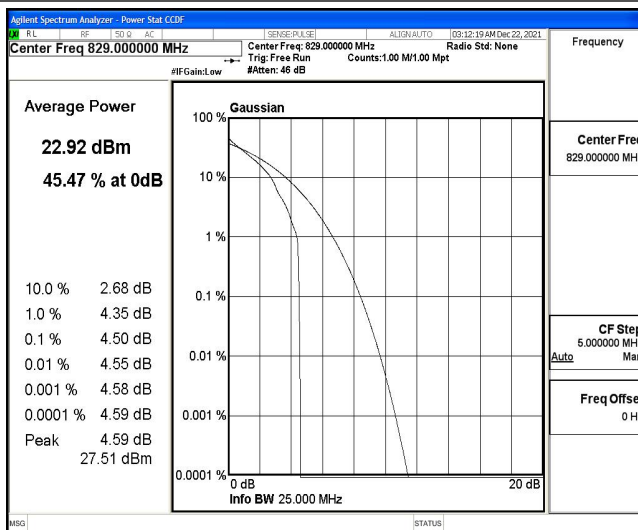
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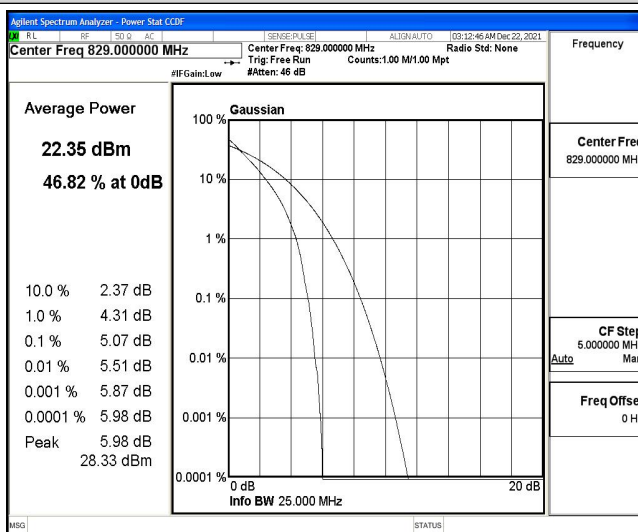
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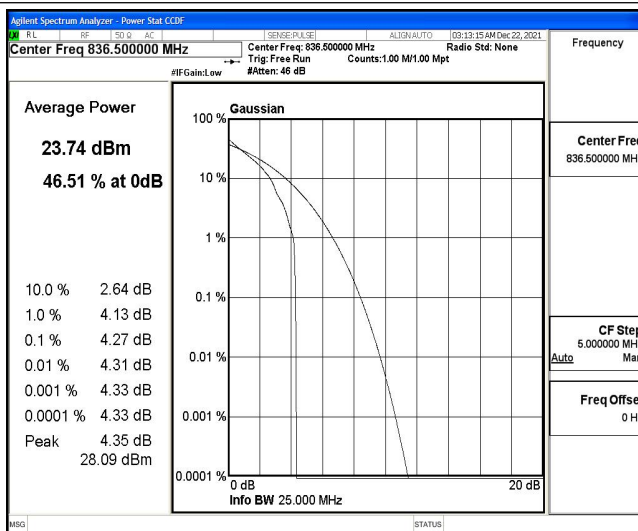
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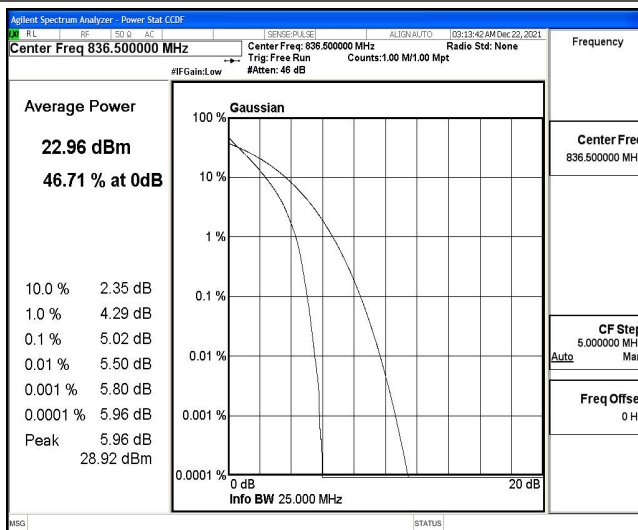
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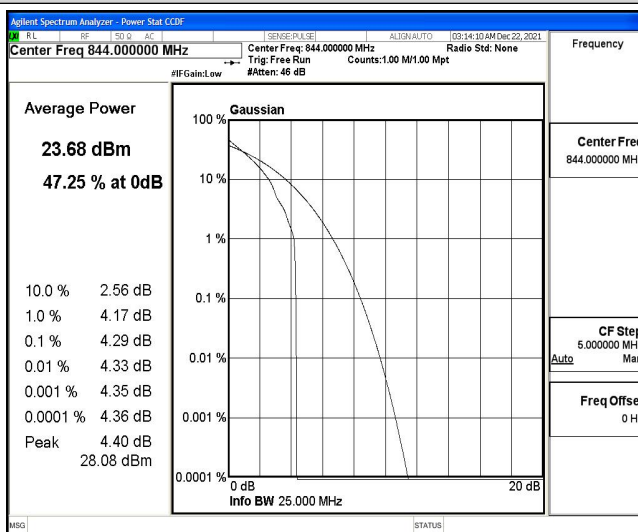
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Band5-10MHz-QPSK-20525-50RB#0



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



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