



Appendix C Test Data for E-UTRA Band 5

Product Name: Wireless Infrared Scouting Camera

Test Model: UML3

Environmental Conditions

Temperature:	22.4° C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



C.1 Conducted Average Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.38	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.39	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.29	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.24	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.19	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.22	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.23	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.21	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.26	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.02	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.33	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.12	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.03	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.22	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.22	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.14	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.89	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.09	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.90	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.96	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.23	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.29	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.02	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.98	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.30	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.38	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.65	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.46	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.03	PASS



Band5	1.4MHz	16QAM	20525	3RB#1	22.01	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.86	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.40	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.25	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.85	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.74	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.74	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.01	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.07	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.22	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.23	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.18	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.26	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.13	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.22	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.23	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.54	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.32	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.26	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.25	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.34	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.02	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.14	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.30	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.07	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.14	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.20	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.97	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.61	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.40	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.29	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.20	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.29	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.31	PASS



Band5	3MHz	16QAM	20415	15RB#0	21.33	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.48	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.24	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.36	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.37	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.48	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.58	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.12	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.22	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.11	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.53	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.42	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.30	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.23	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.20	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.11	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.07	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.04	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.83	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.97	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.94	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.07	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.90	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.92	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.85	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.76	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.88	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.90	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.72	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.60	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.64	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.59	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.59	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.68	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.63	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.07	PASS



Band5	5MHz	16QAM	20425	1RB#12	22.07	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.00	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.09	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.98	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.09	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.89	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.94	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.67	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.95	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.97	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.88	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.00	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.94	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.68	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.68	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.66	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.68	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.68	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.72	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.63	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.57	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.80	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.71	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.08	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.03	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.10	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.80	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.05	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.61	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.13	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.13	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.88	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.04	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.73	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.67	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.48	PASS



Band5	10MHz	QPSK	20600	25RB#0	22.01	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.00	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.90	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.86	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.71	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.26	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.77	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.05	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.90	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.99	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.93	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.77	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.27	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.57	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.17	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.94	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.84	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.94	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.85	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.84	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.65	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.91	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.99	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.83	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.78	PASS



C.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	4.45	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.00	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.20	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.83	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.68	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.45	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.50	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.86	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.29	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.71	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.67	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.28	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.48	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.12	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.26	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.90	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.73	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.43	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.37	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.97	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.17	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.76	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.70	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.34	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.38	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.06	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.23	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.89	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.12	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.59	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.87	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.68	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.05	13	PASS

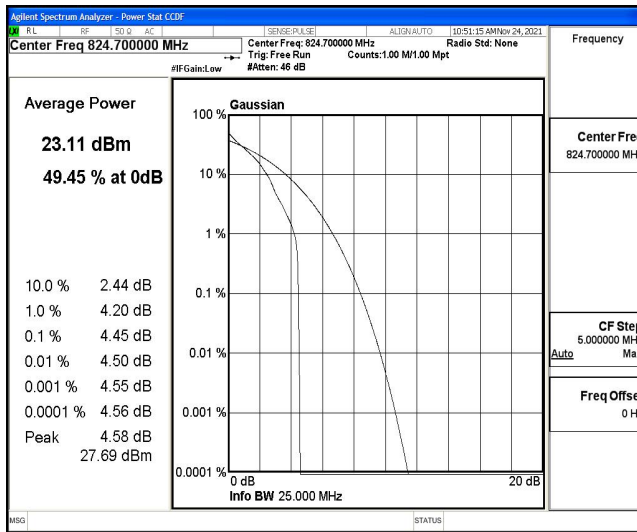


Band5	5MHz	16QAM	20625	25RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.51	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.05	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.16	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.03	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.29	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.89	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.59	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.90	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.20	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.89	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.32	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.80	13	PASS

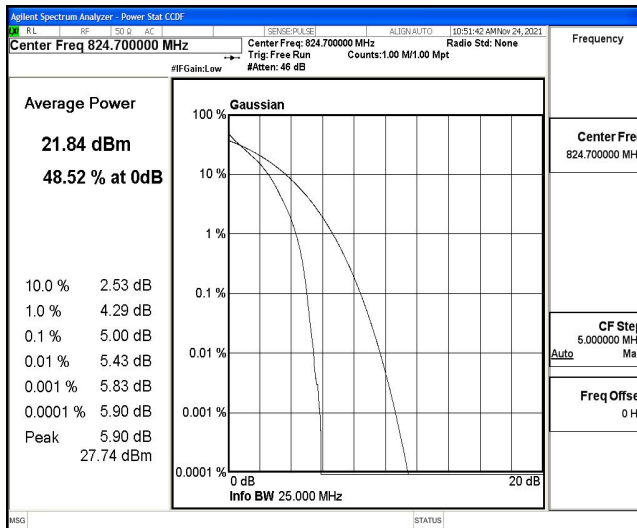


Test Graphs

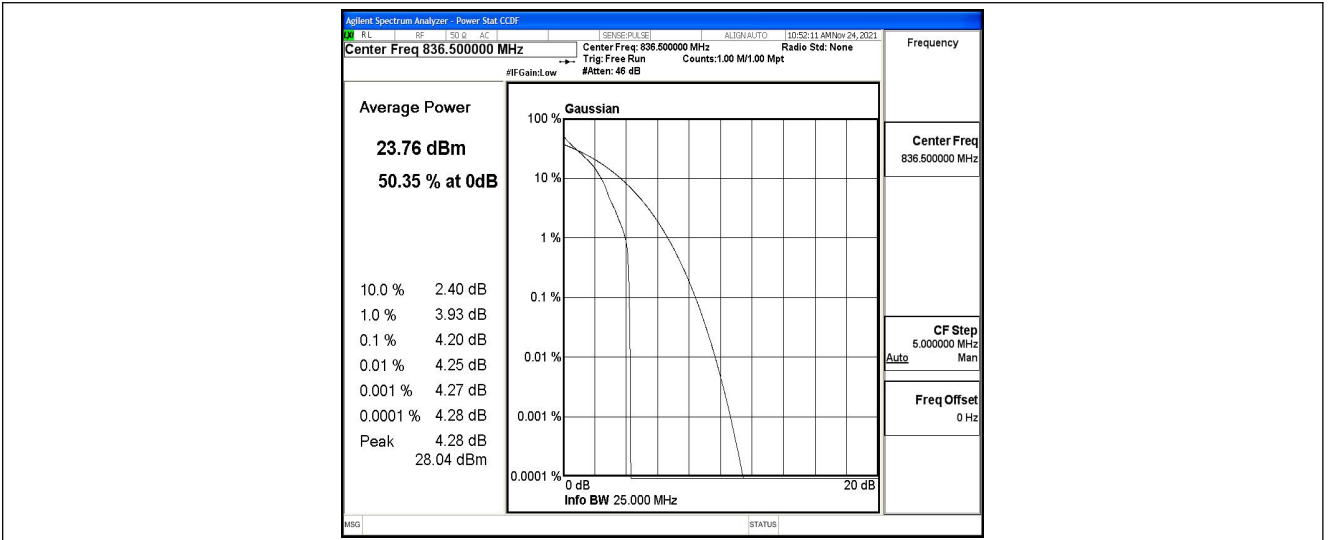
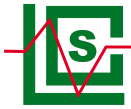
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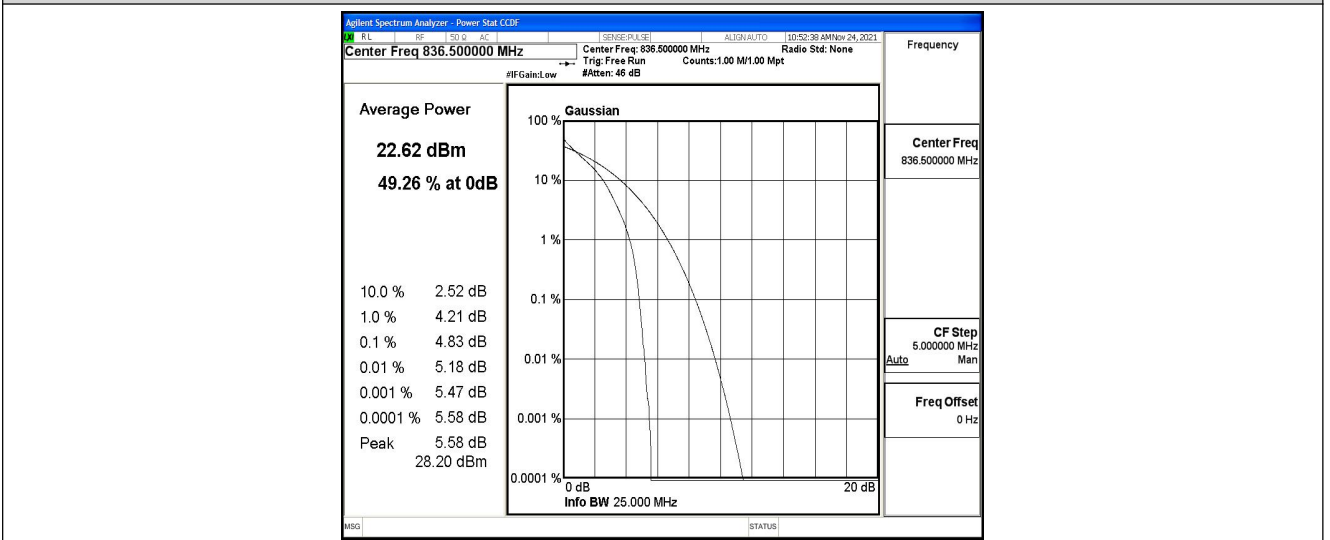
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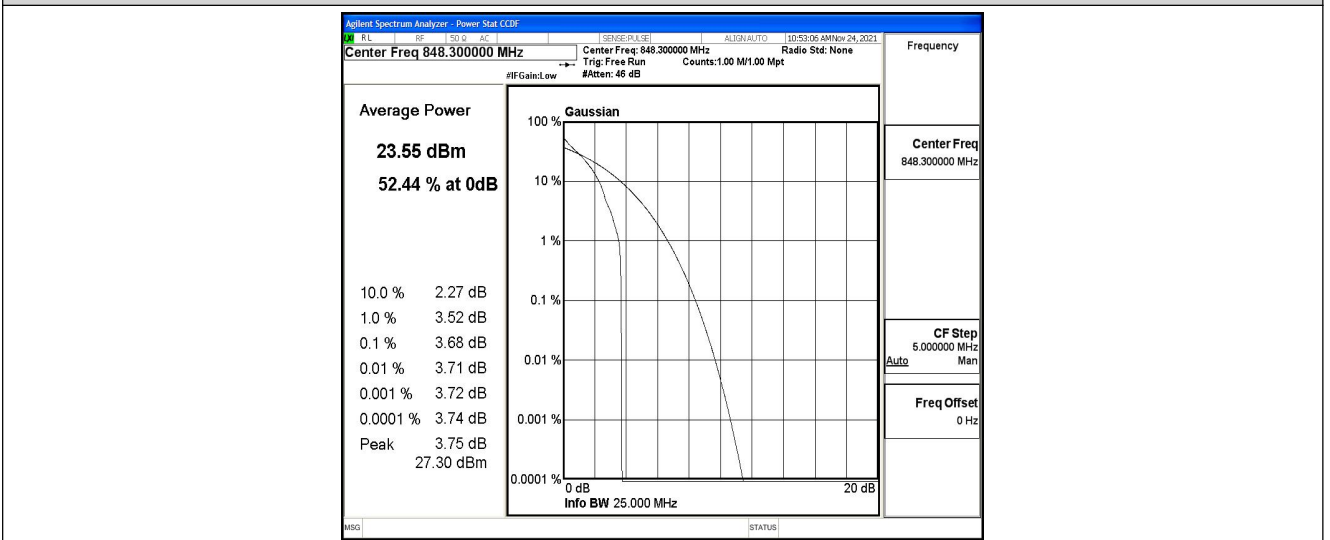
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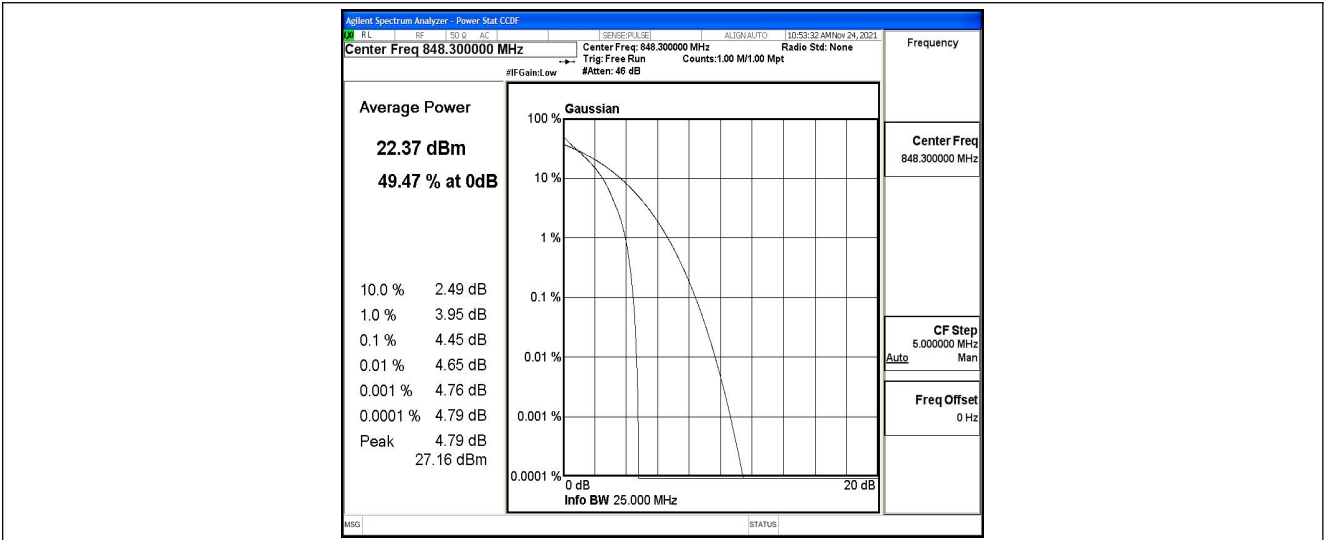
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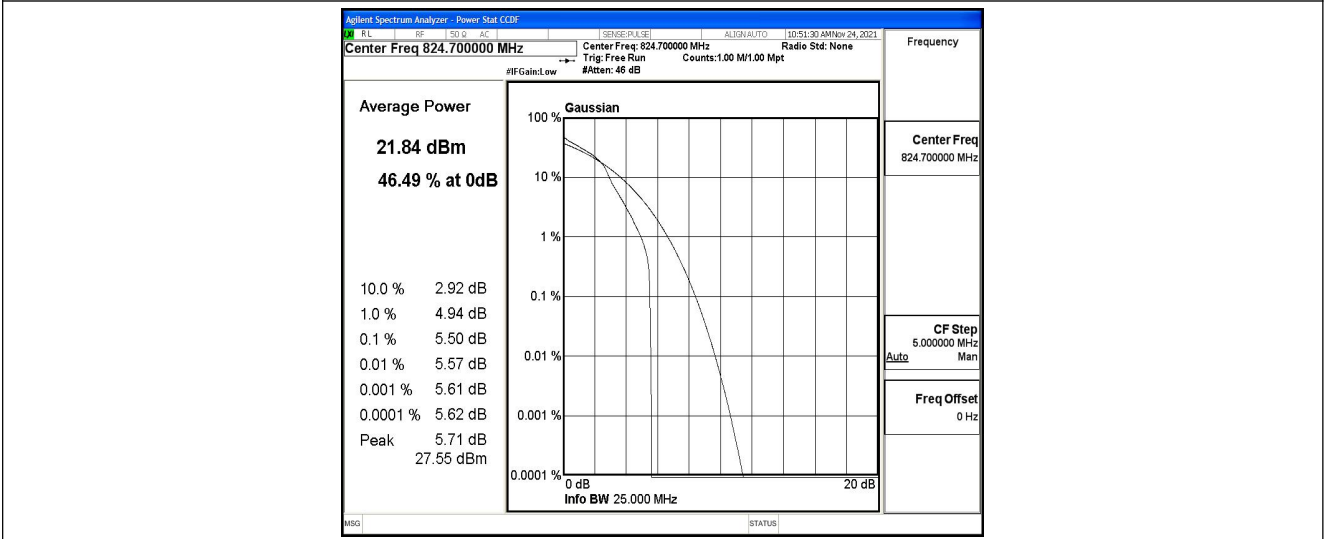
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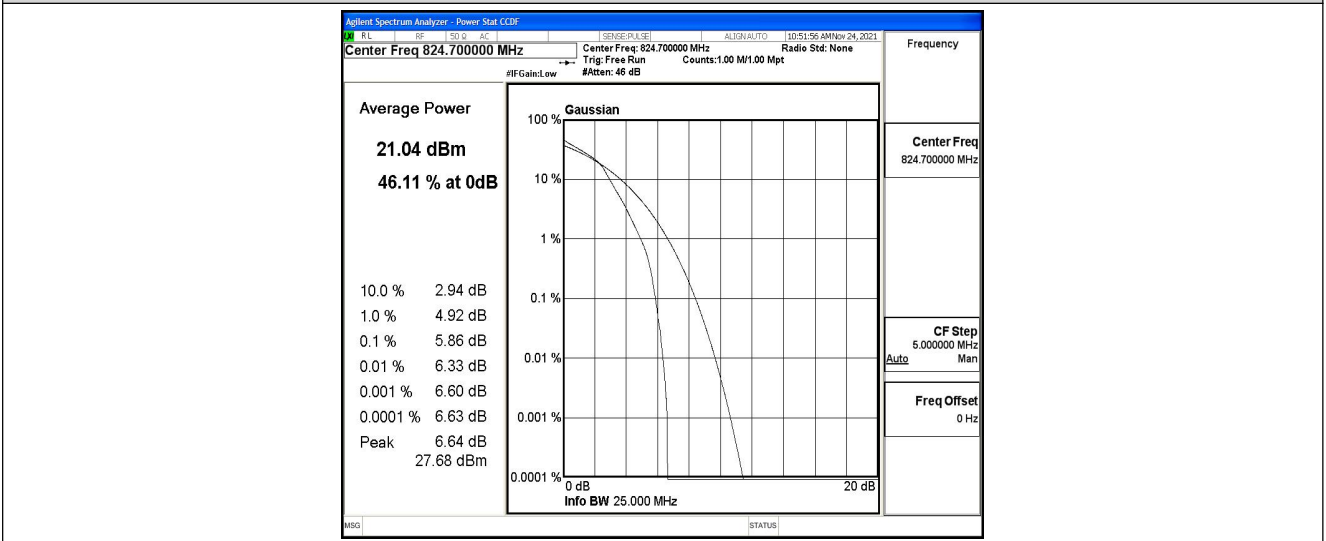
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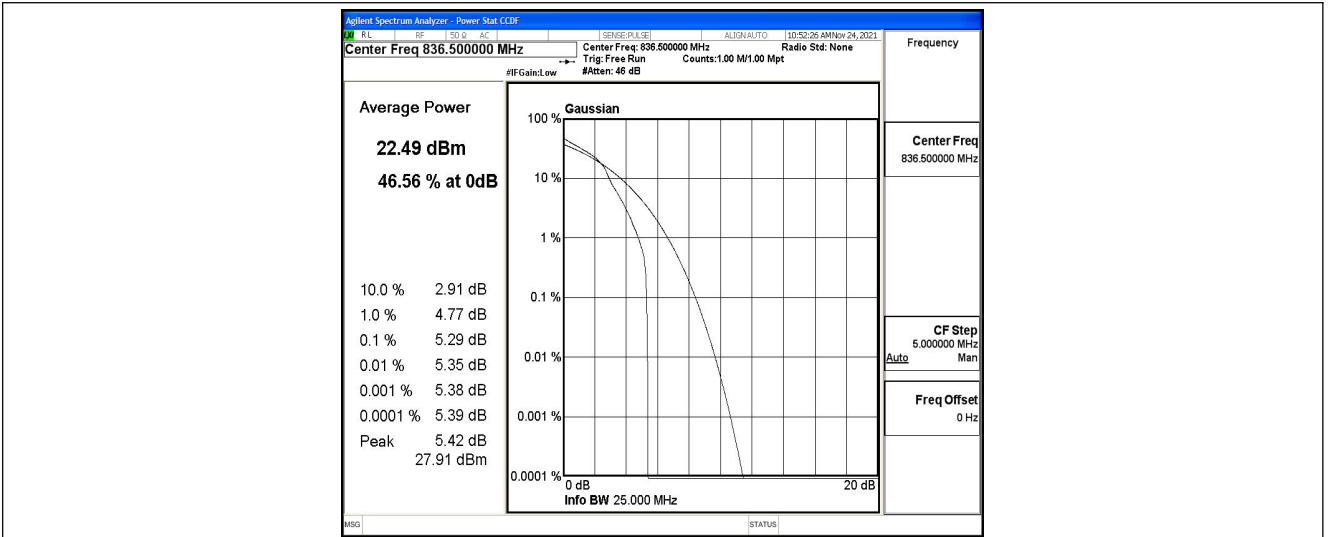
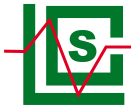
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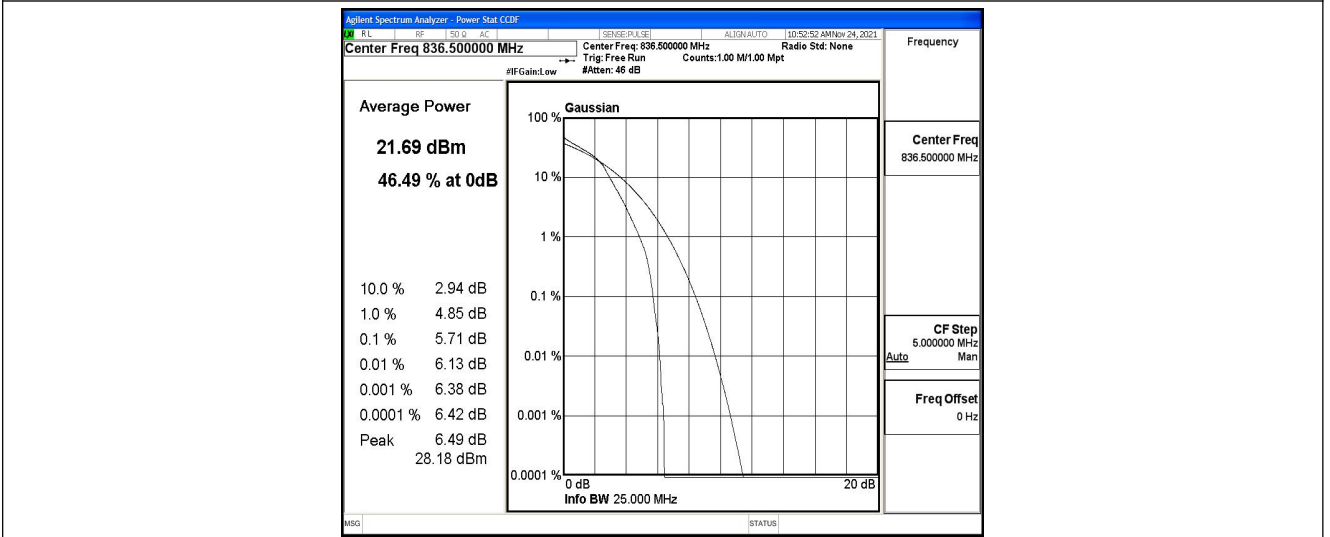
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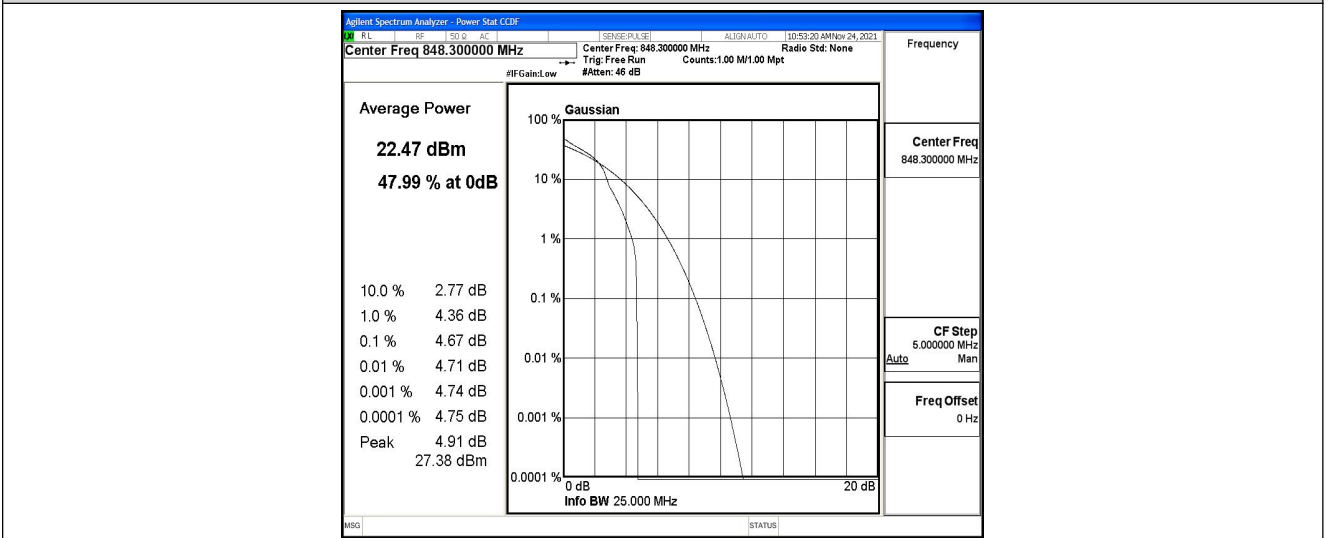
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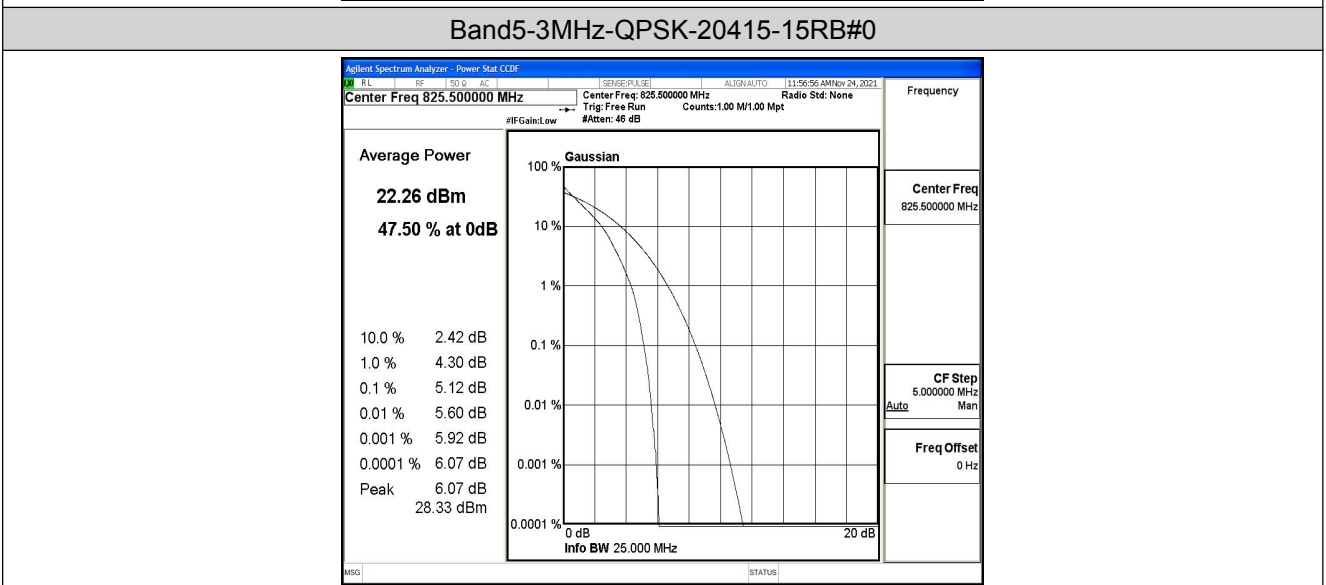
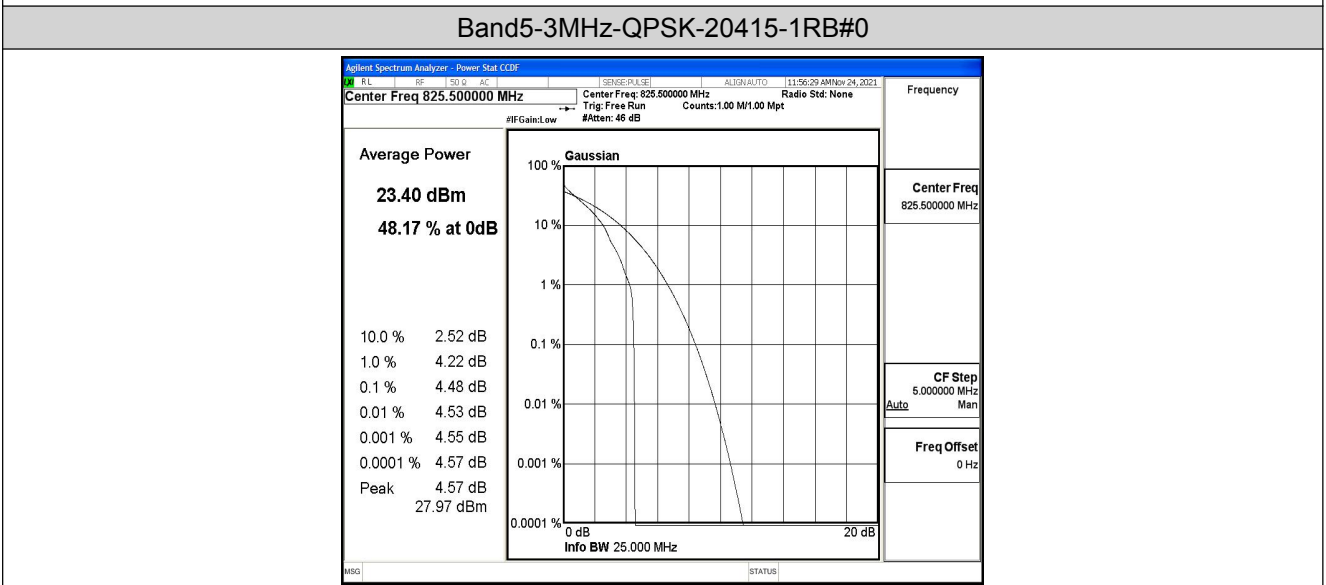
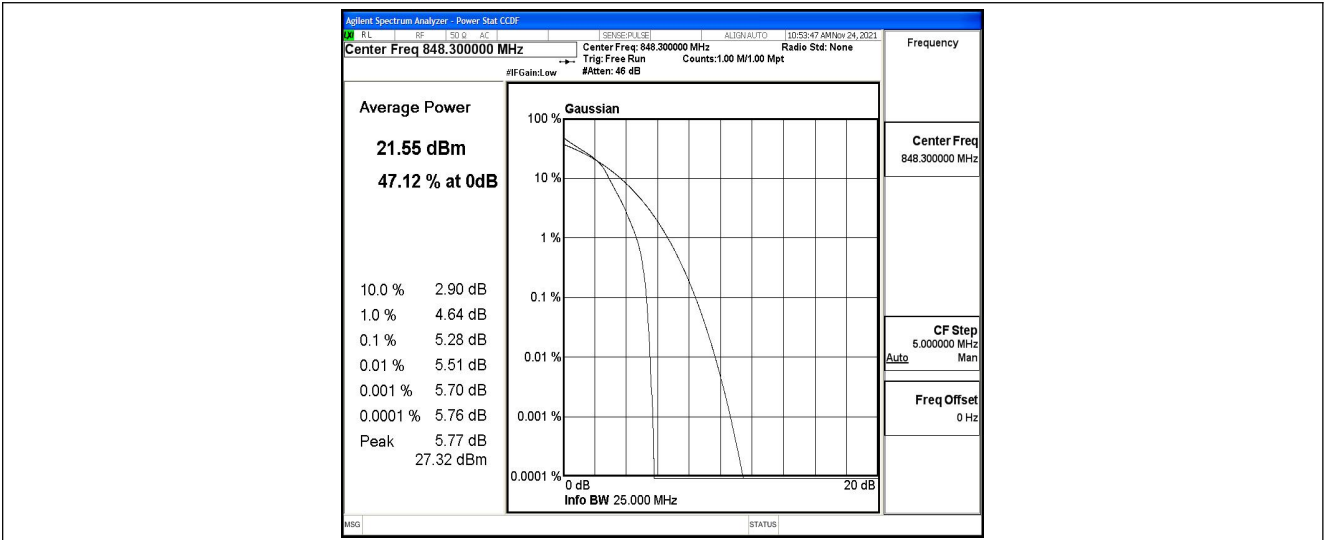
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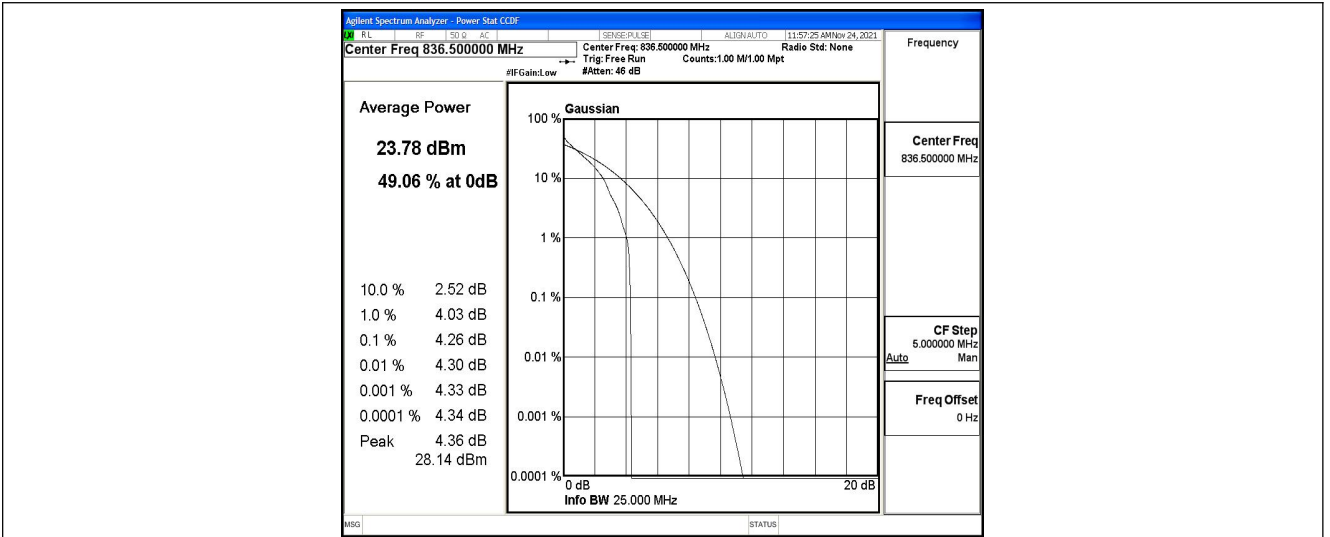


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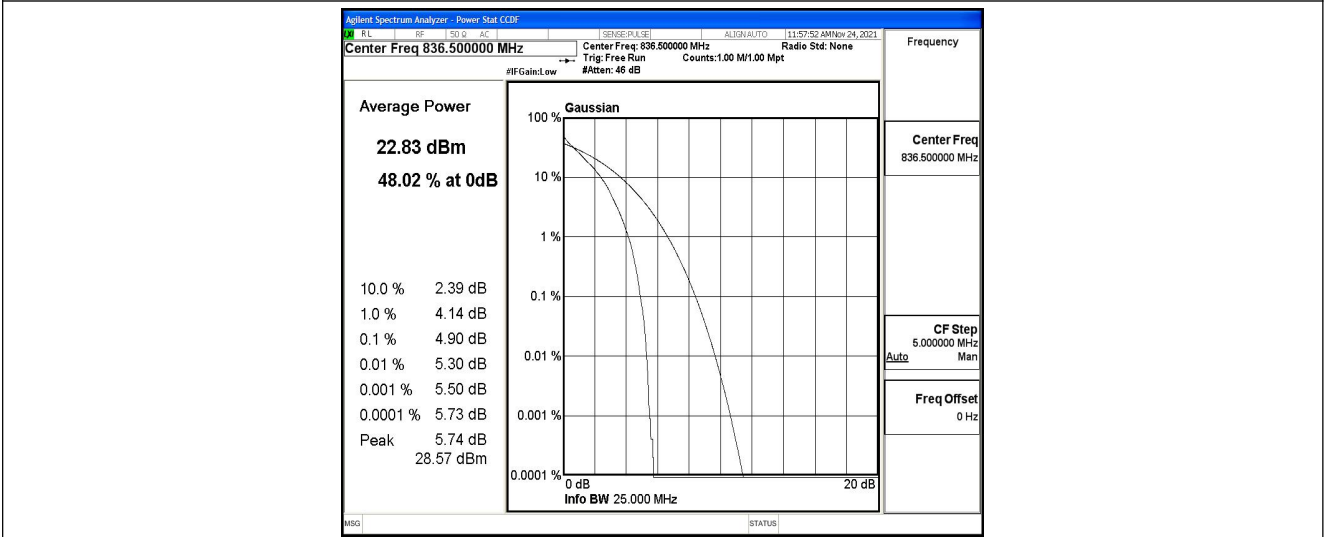


Band5-1.4MHz-16QAM-20643-6RB#0

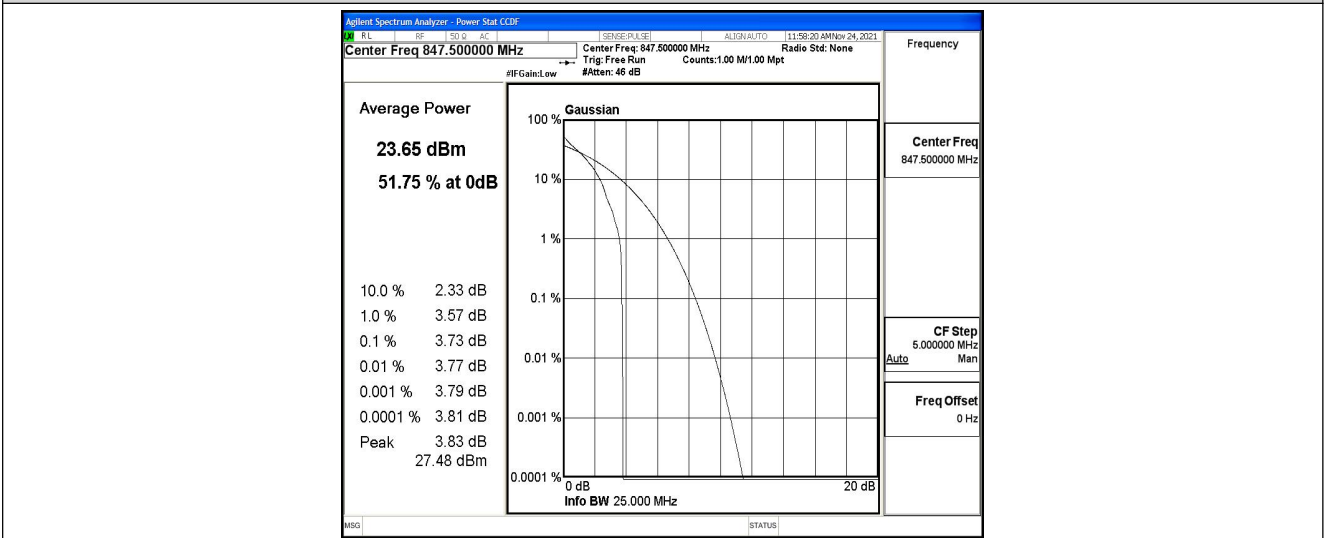




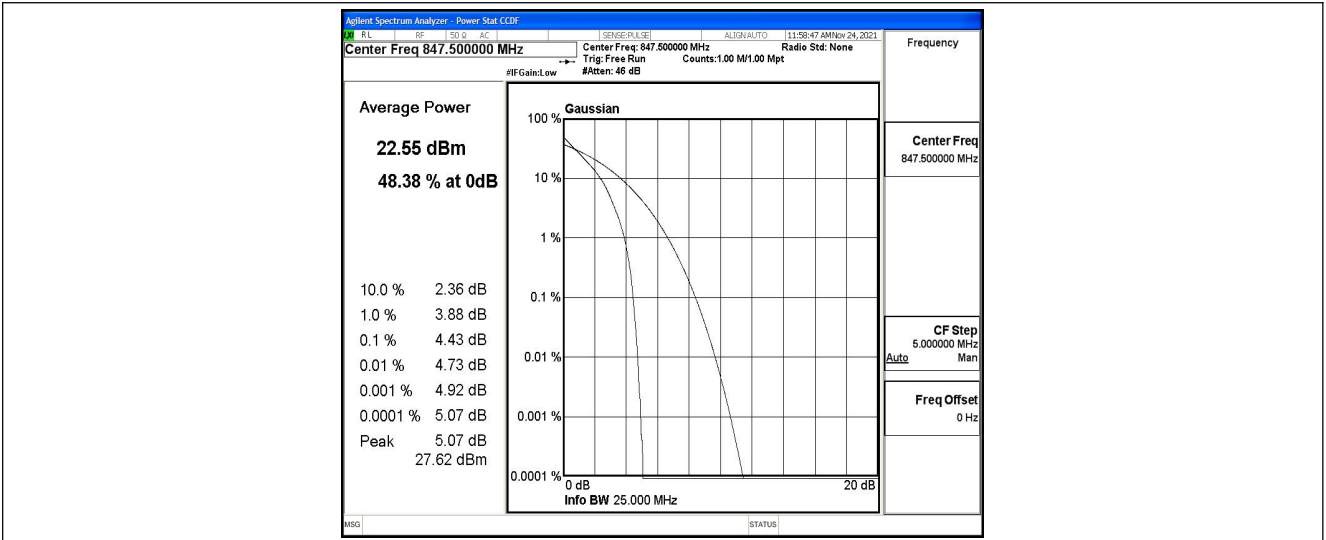
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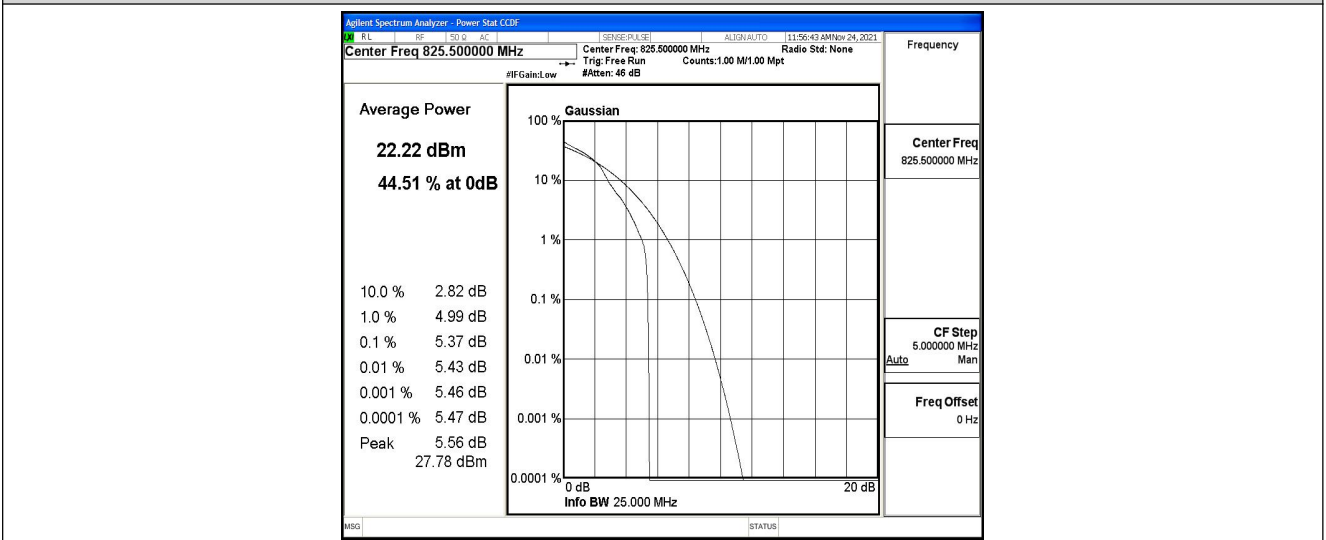
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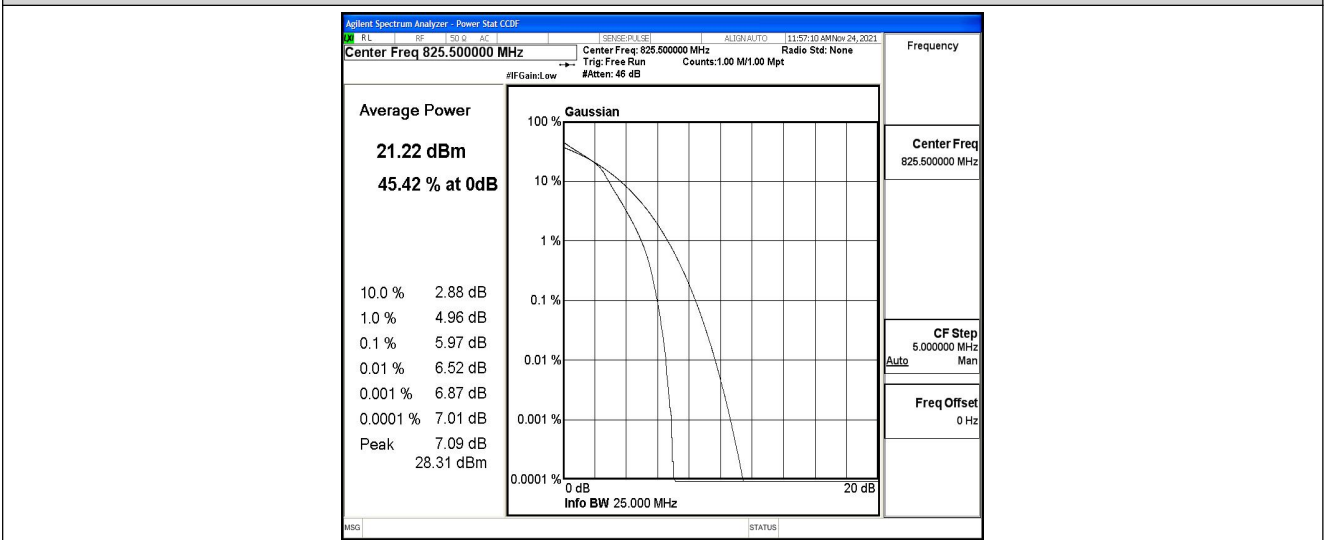
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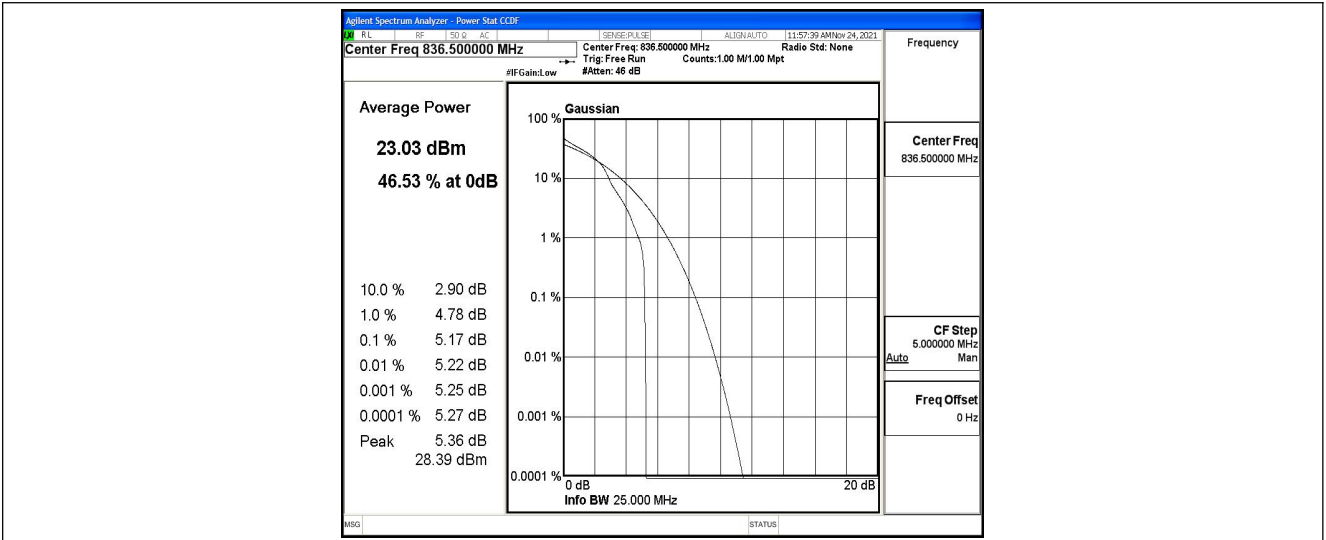
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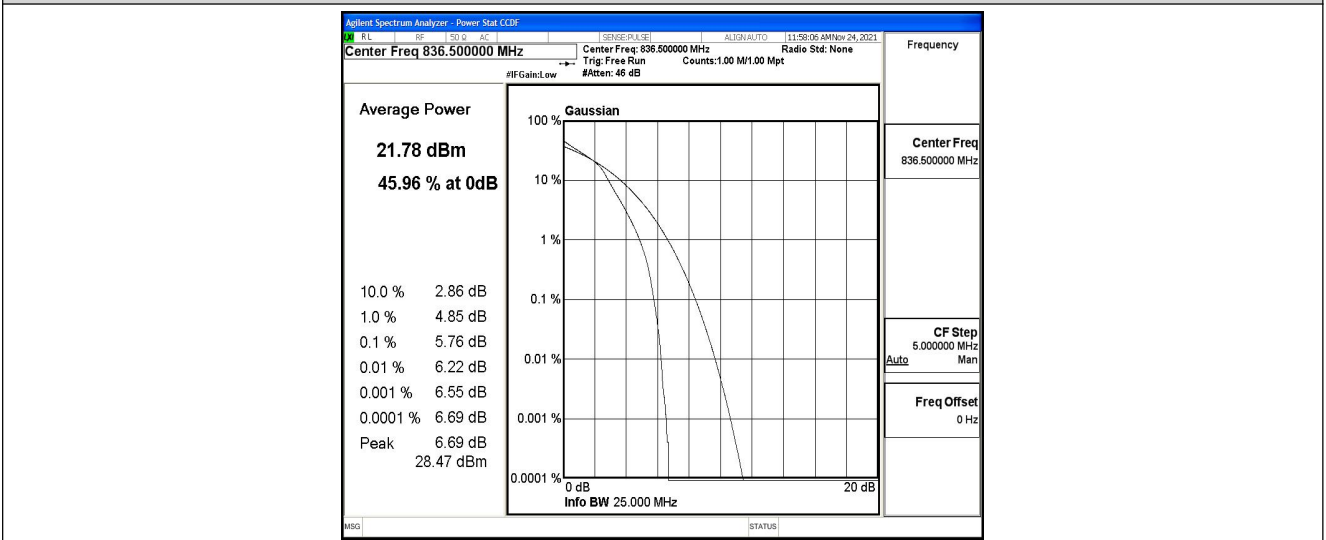
Band5-3MHz-16QAM-20415-15RB#0



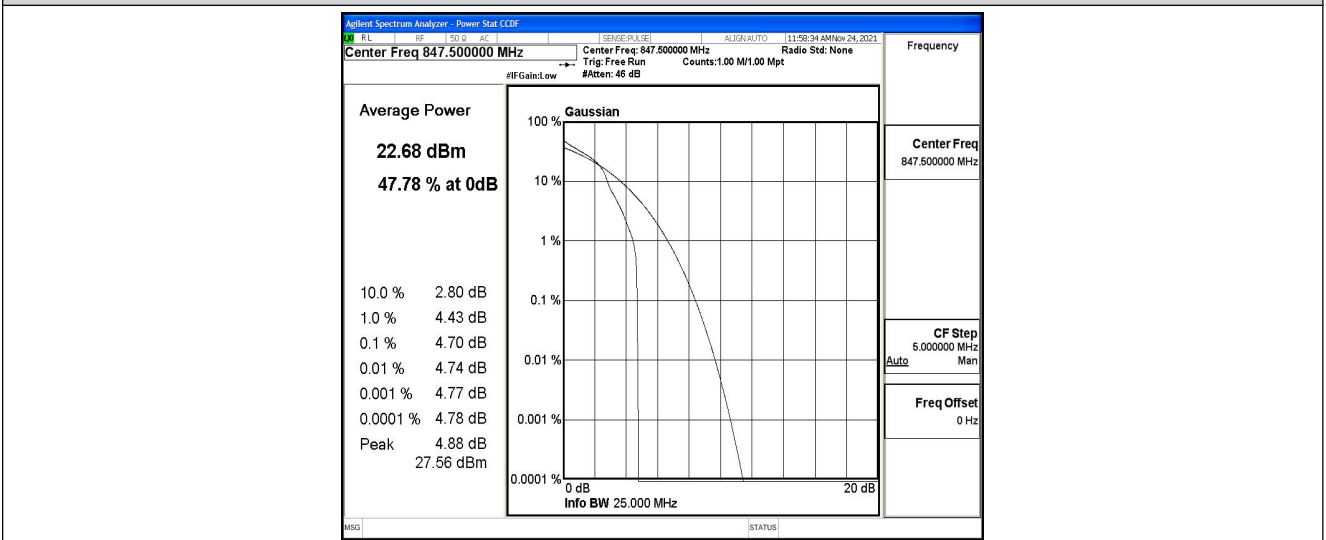
Band5-3MHz-16QAM-20525-1RB#0



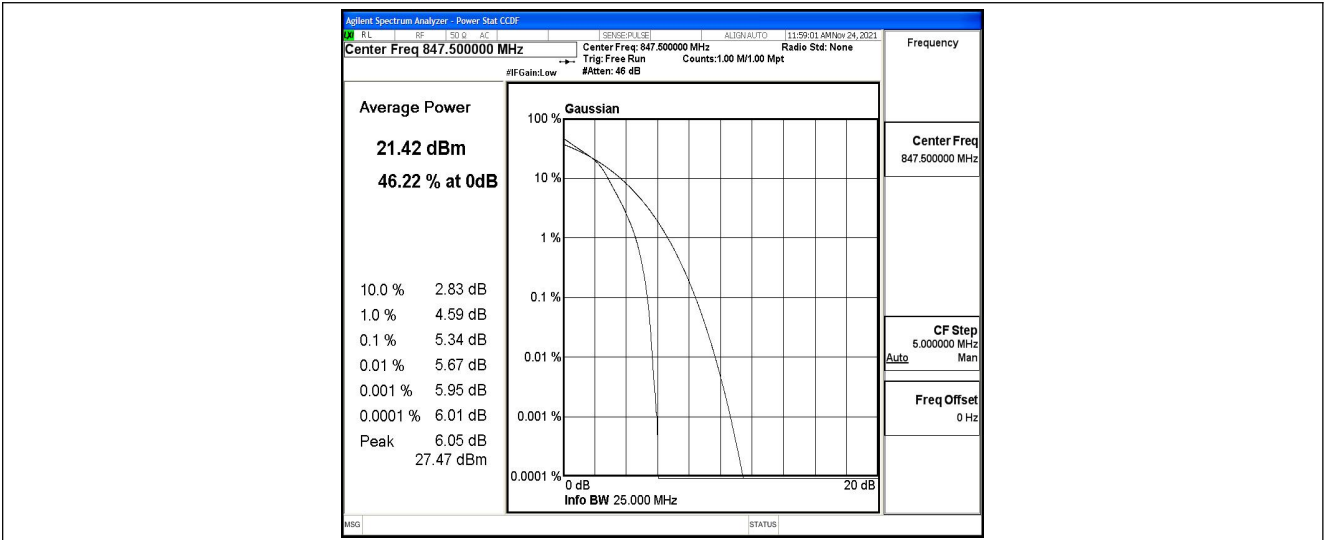
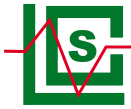
Band5-3MHz-16QAM-20525-15RB#0



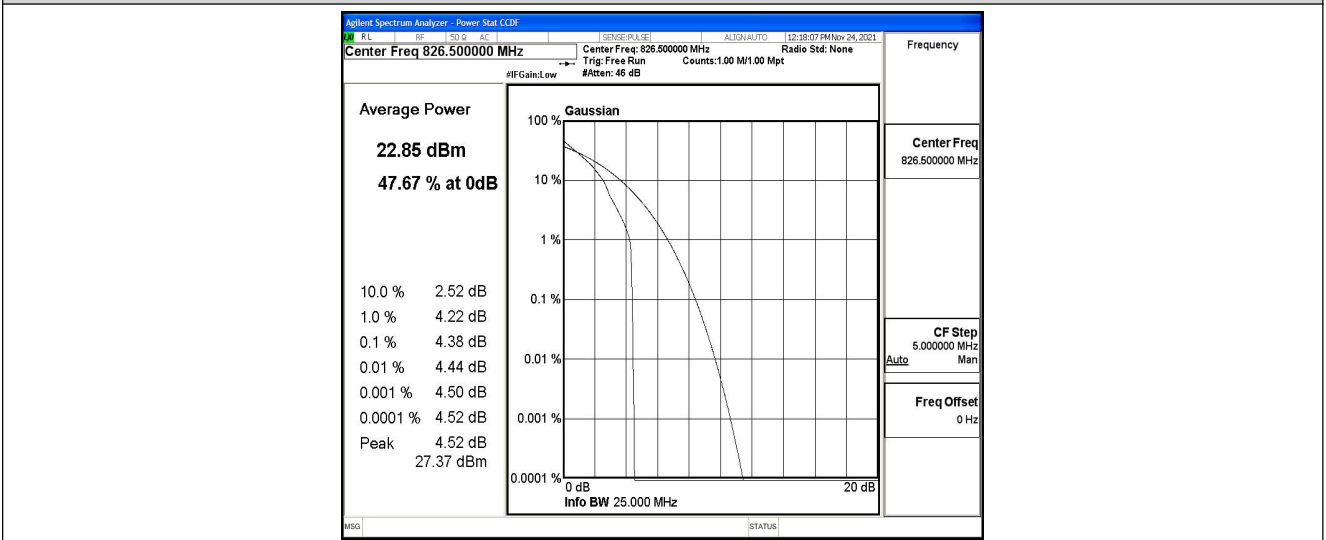
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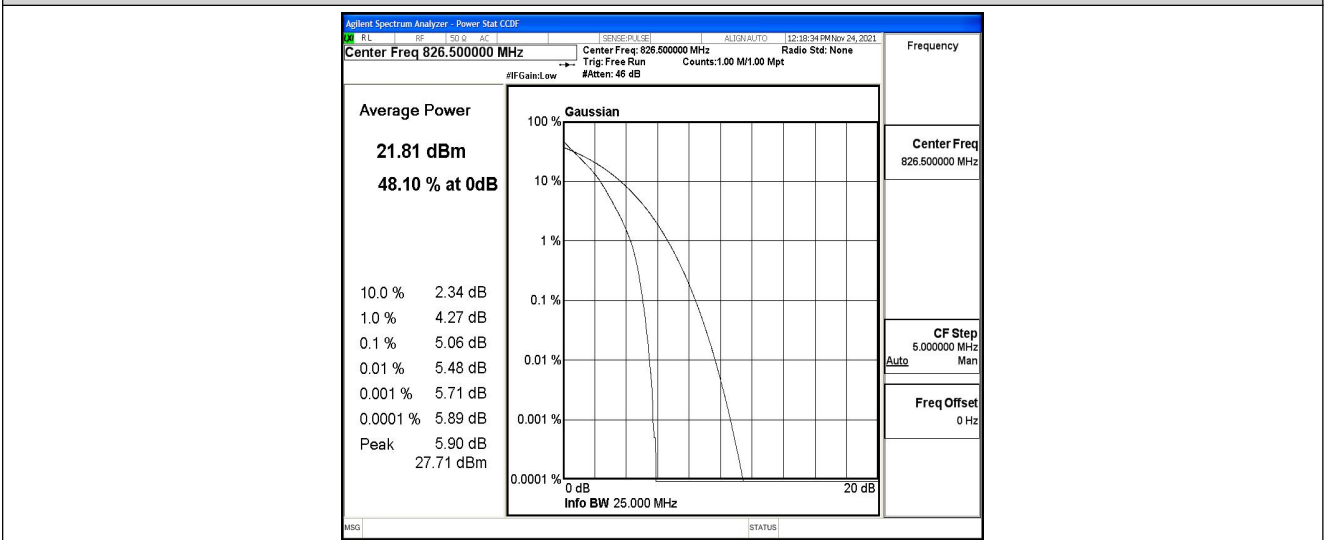
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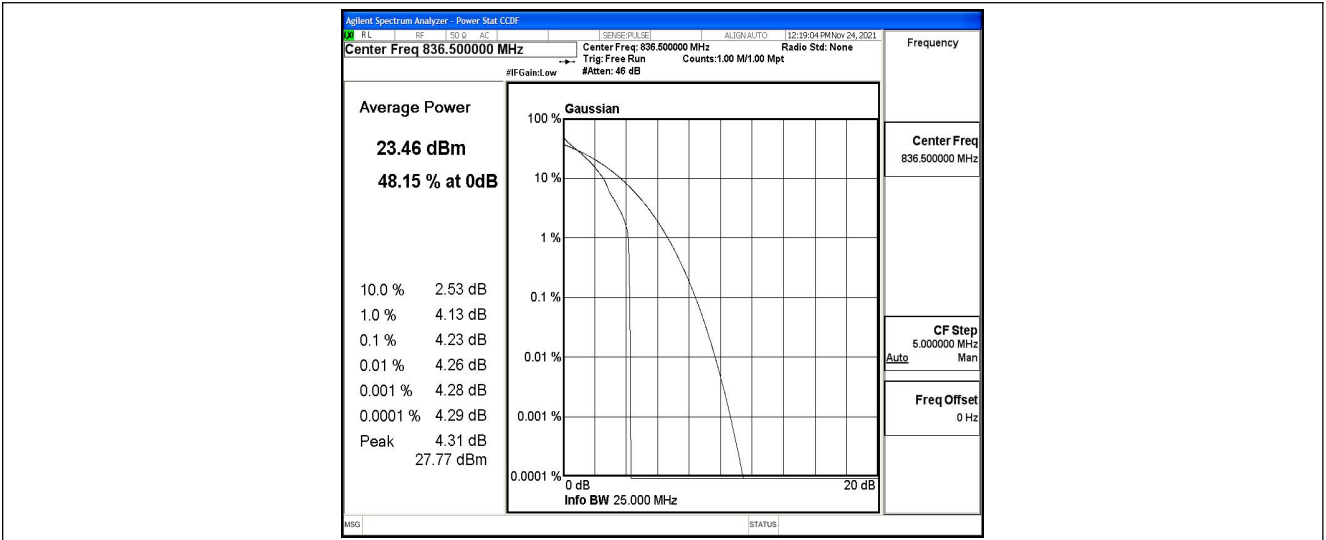
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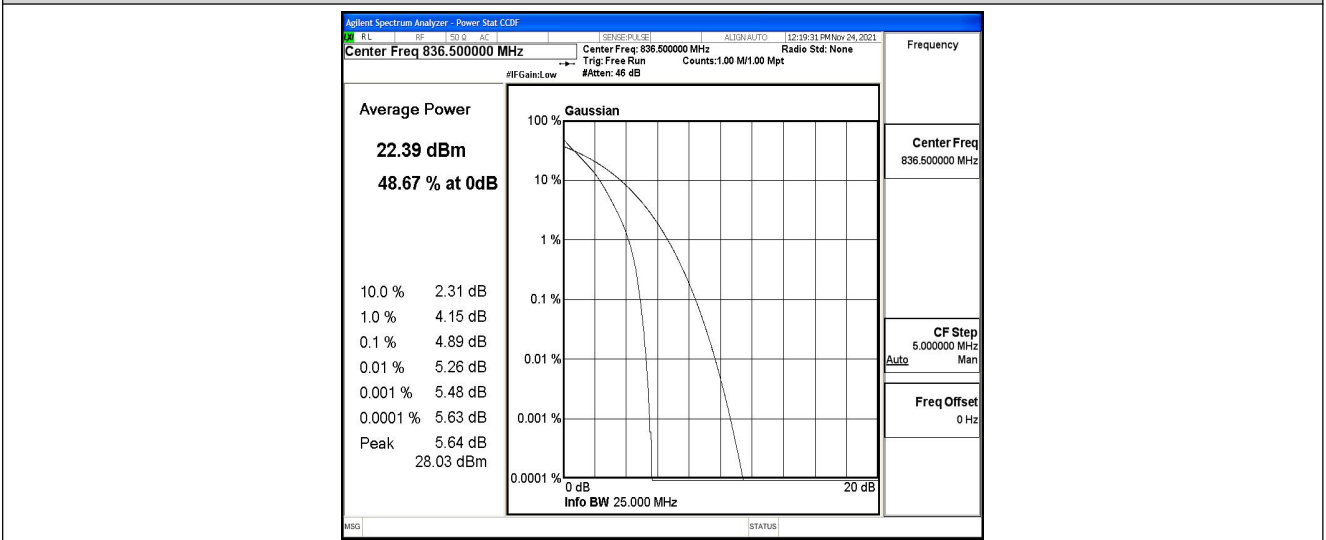
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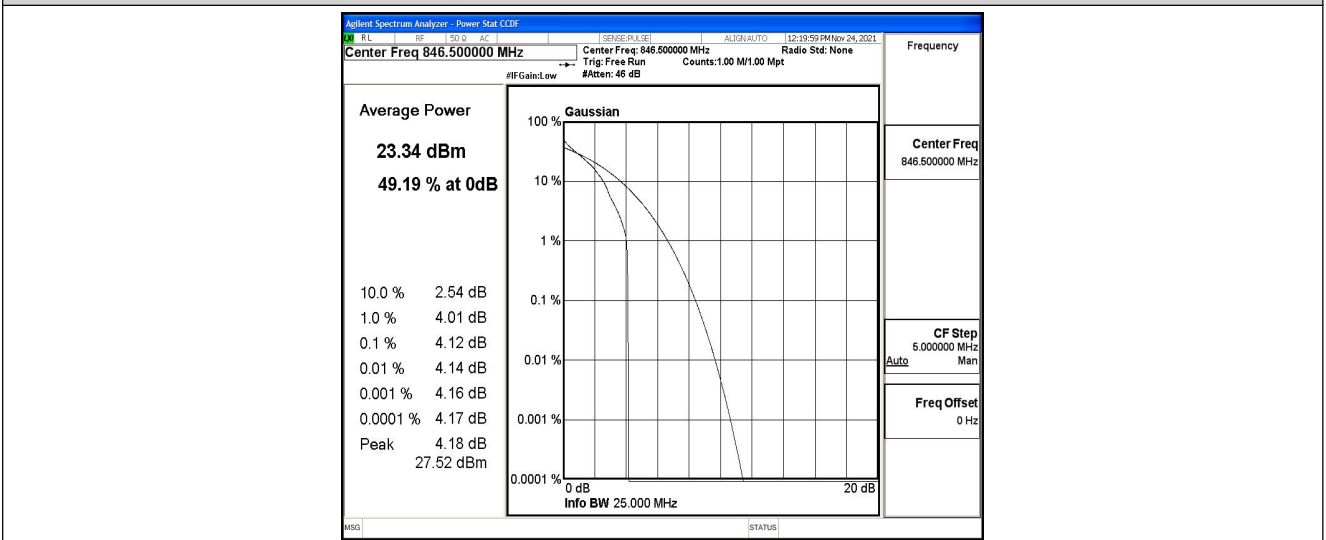
Band5-5MHz-QPSK-20525-1RB#0



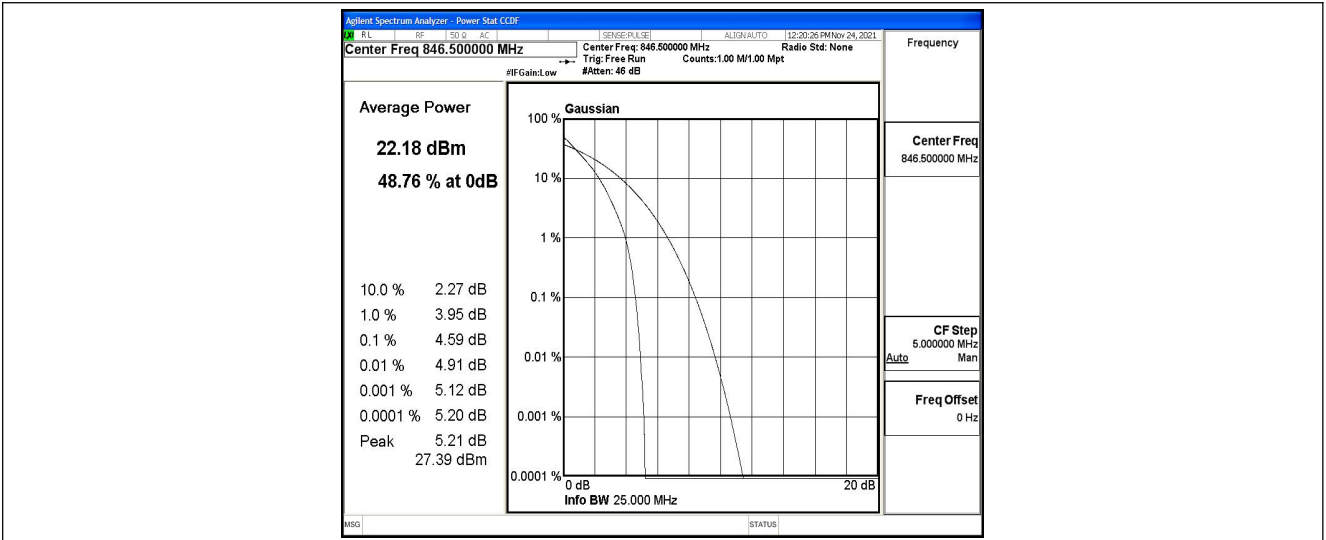
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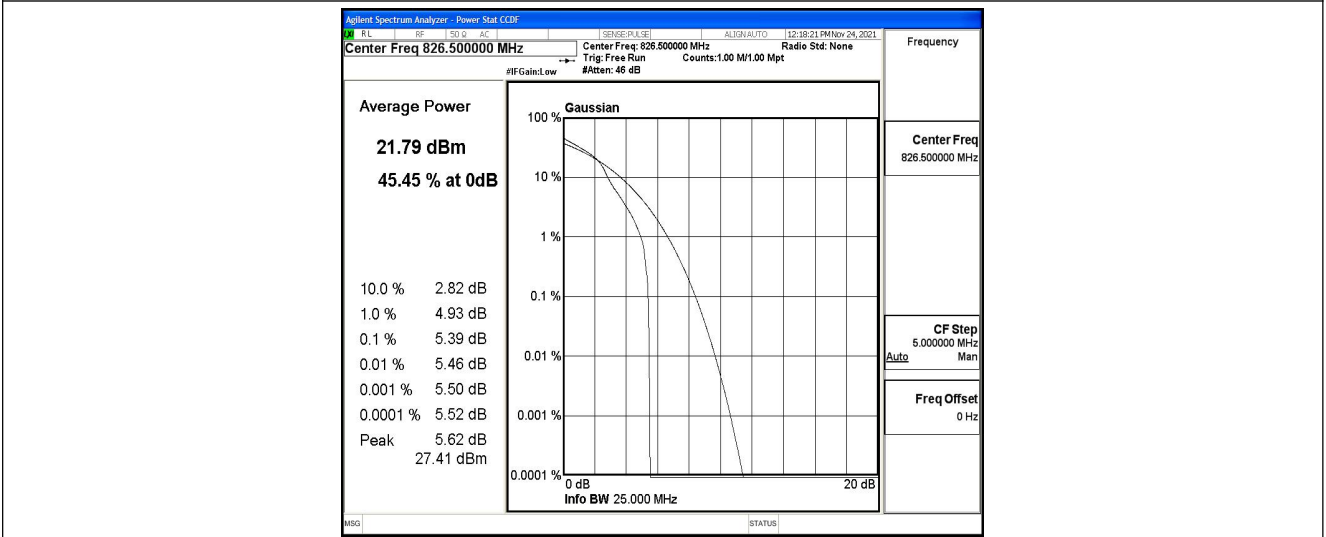
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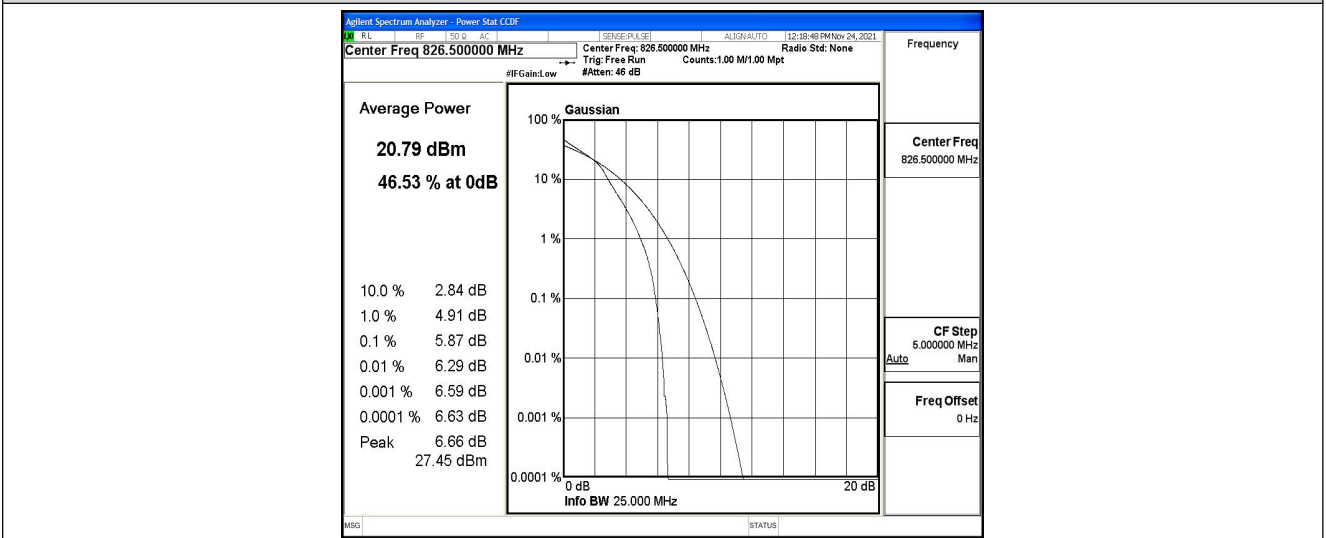
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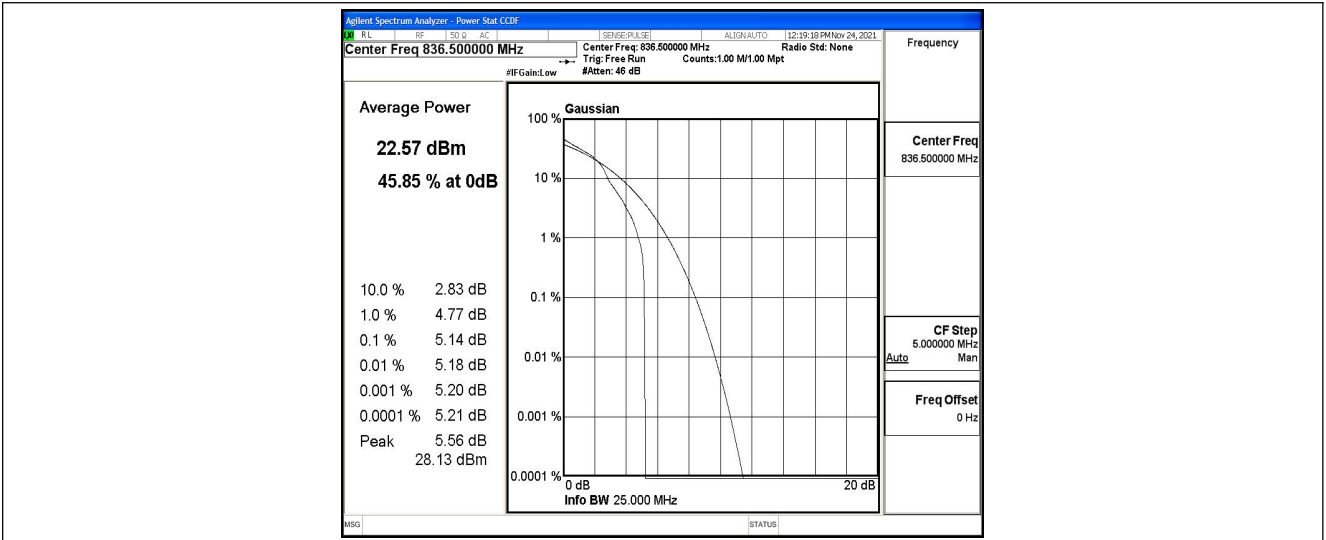
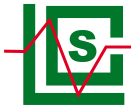
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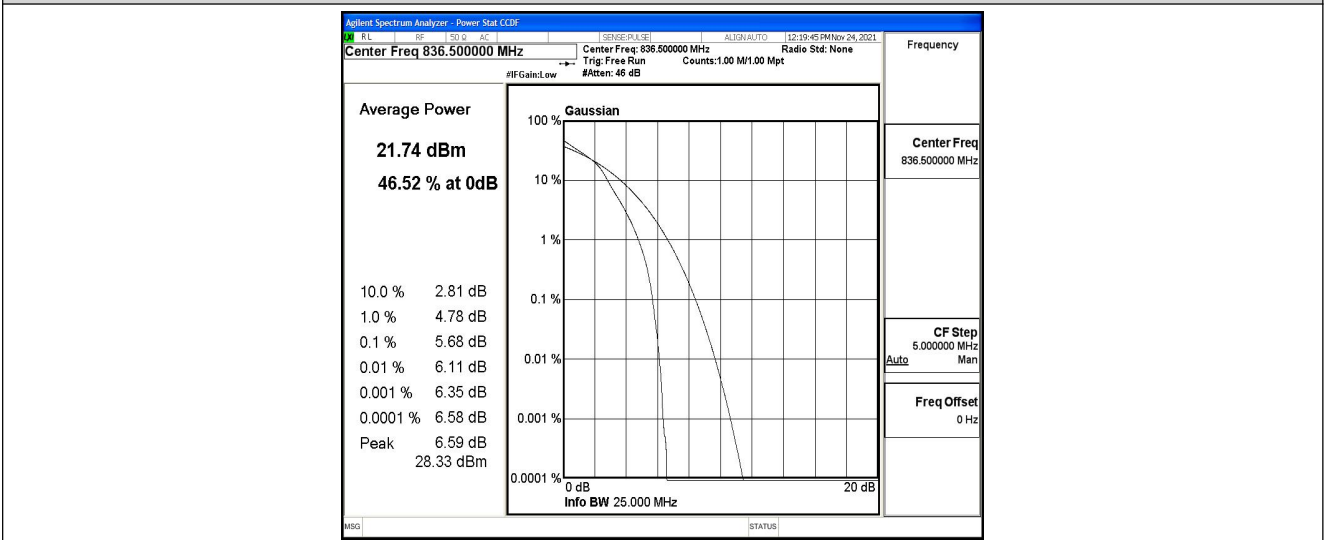
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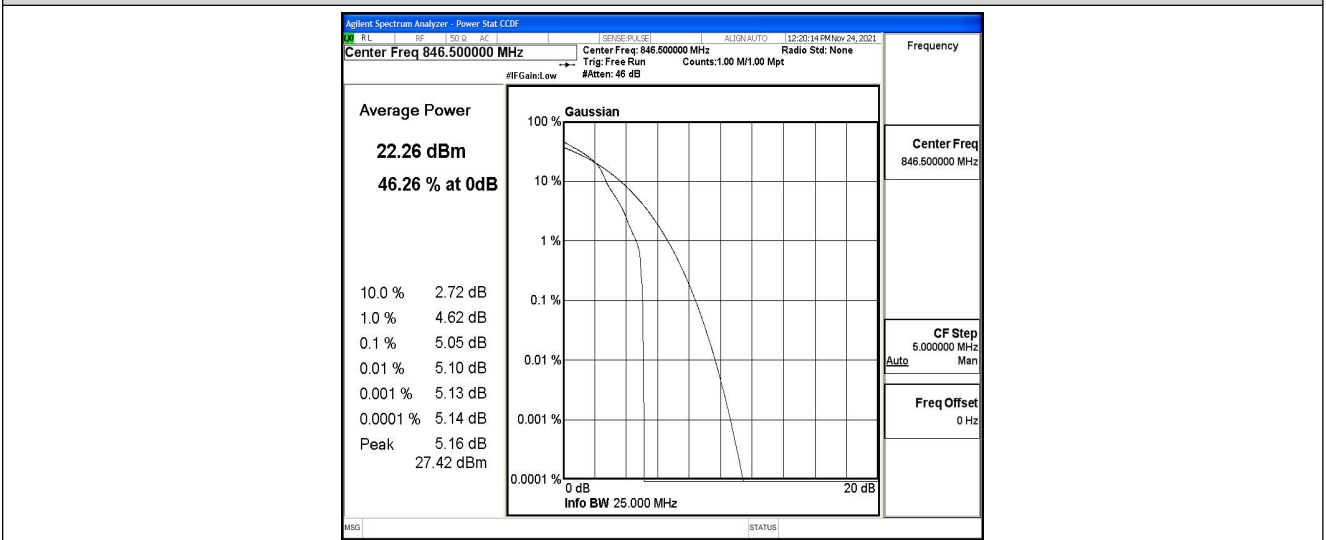
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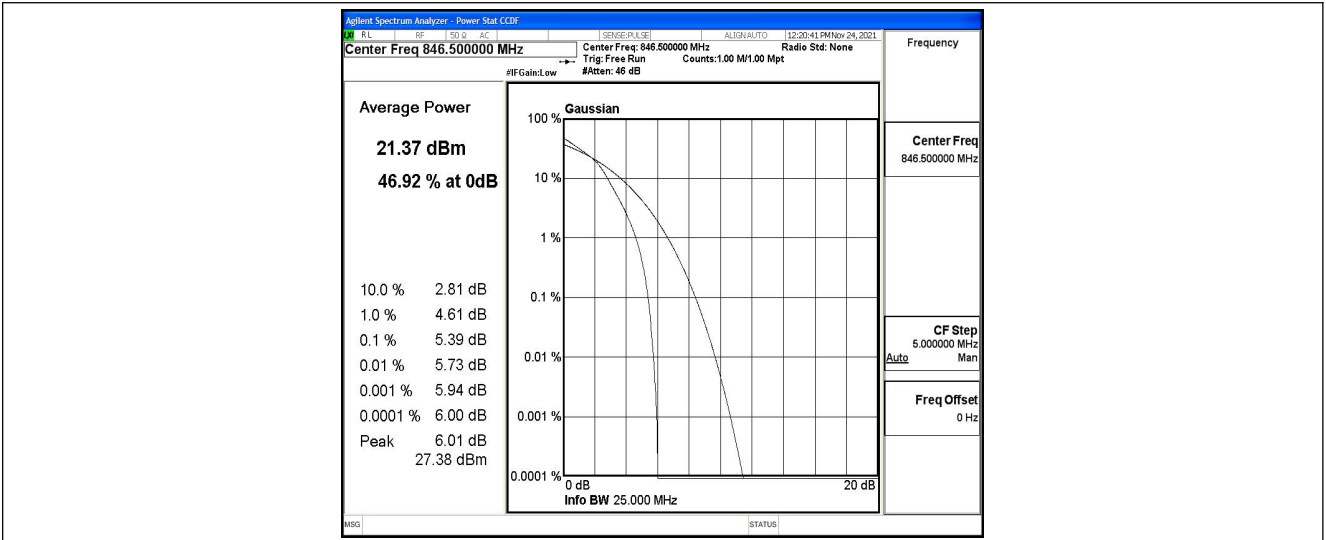
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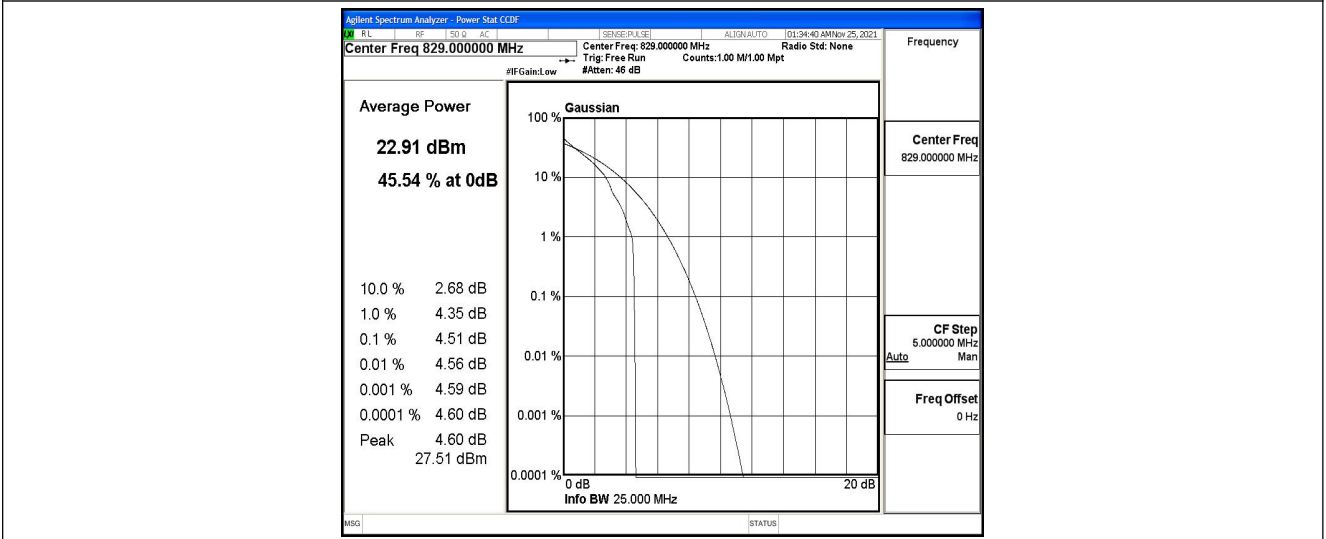
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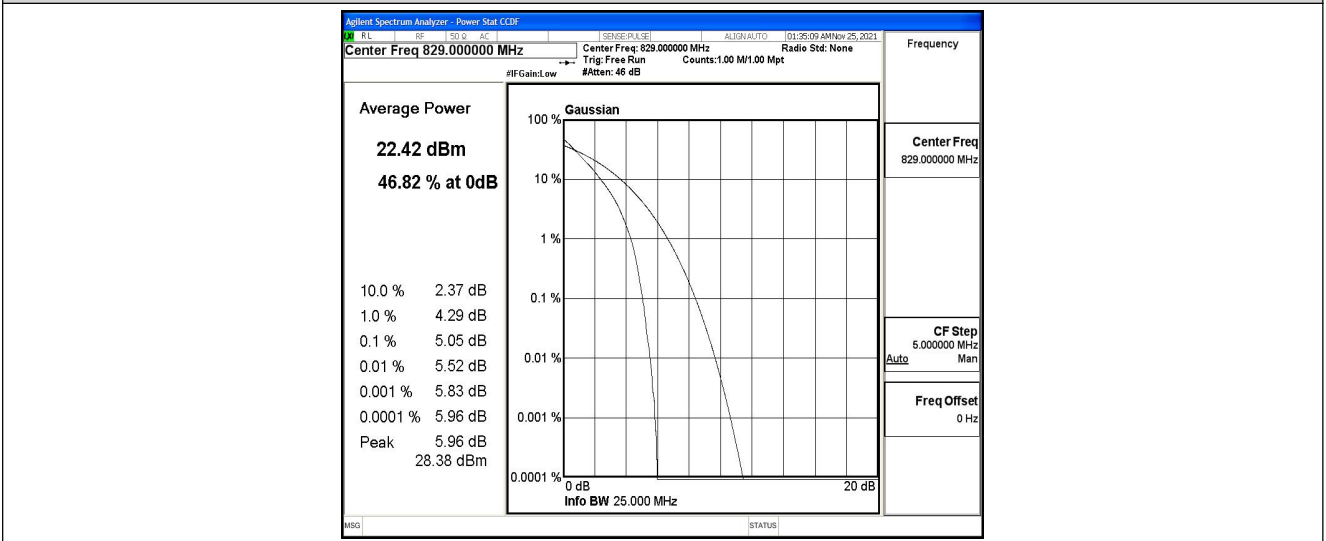
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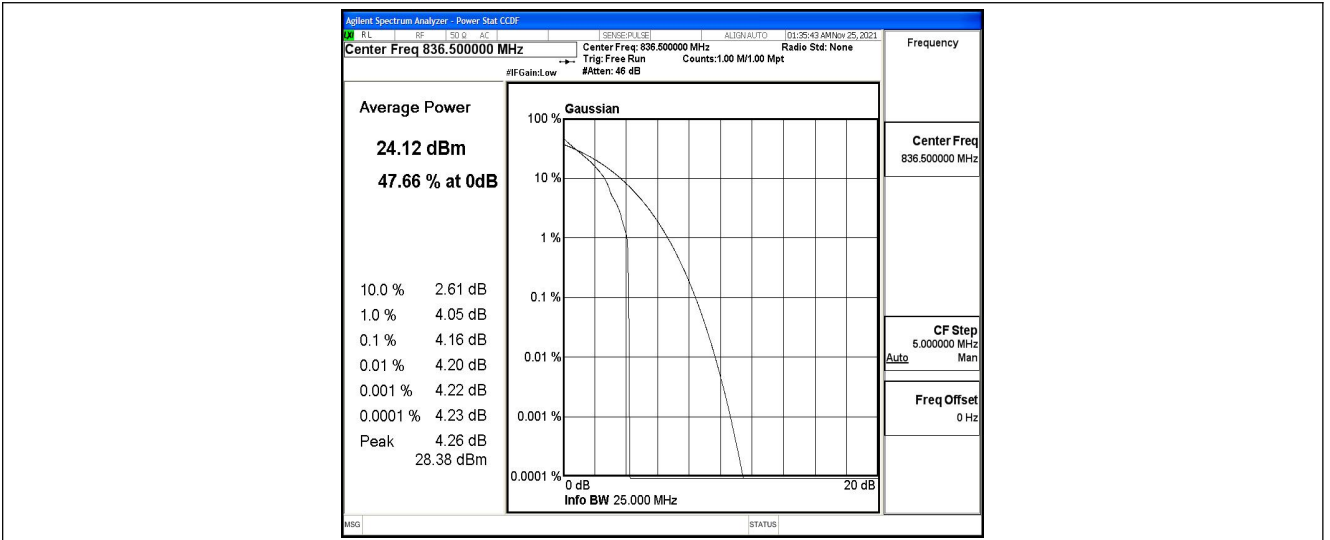
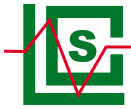
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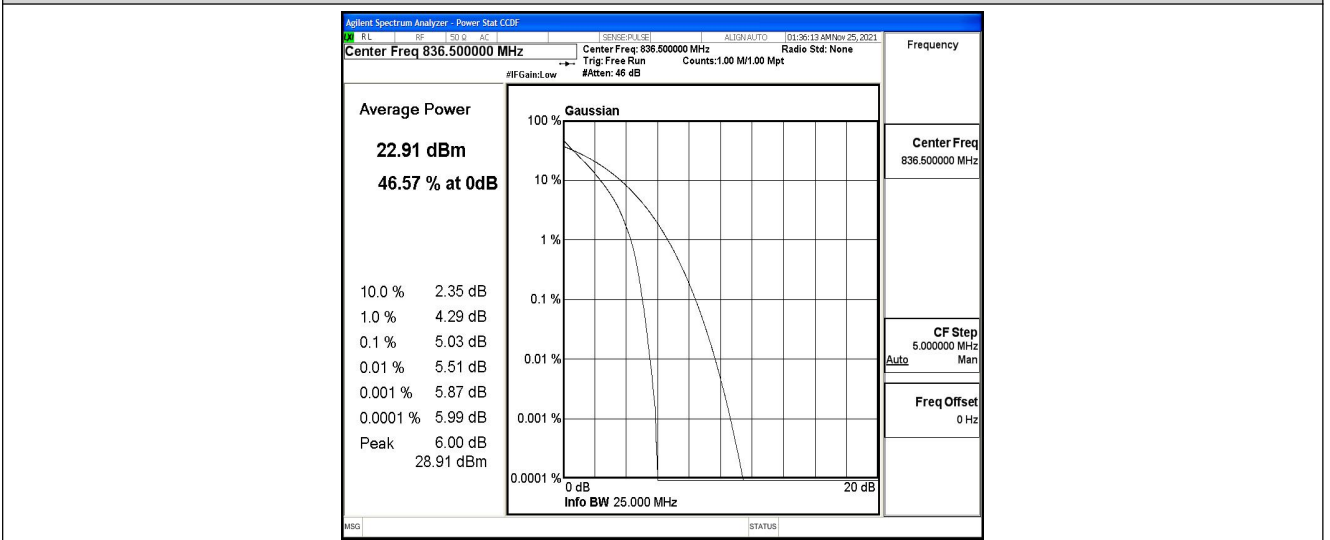
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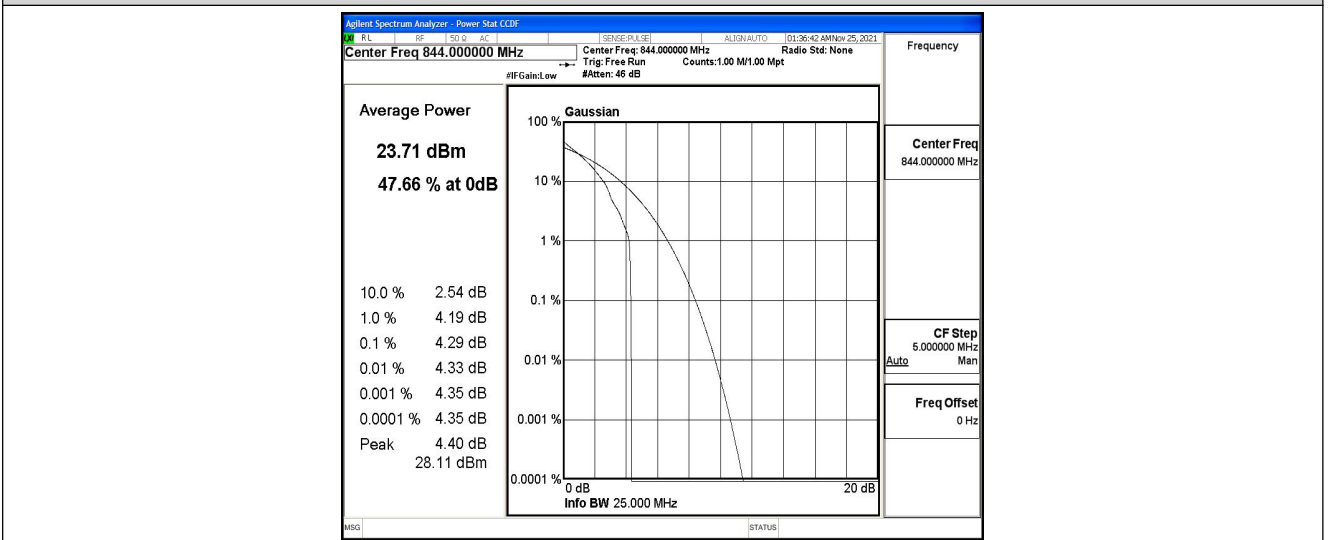
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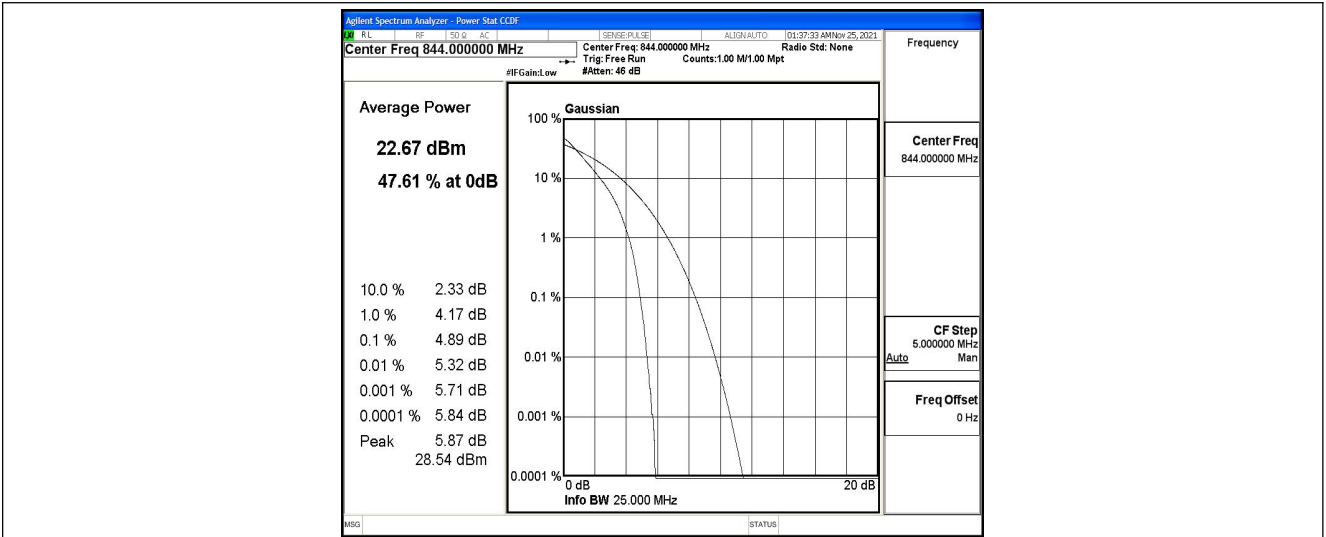
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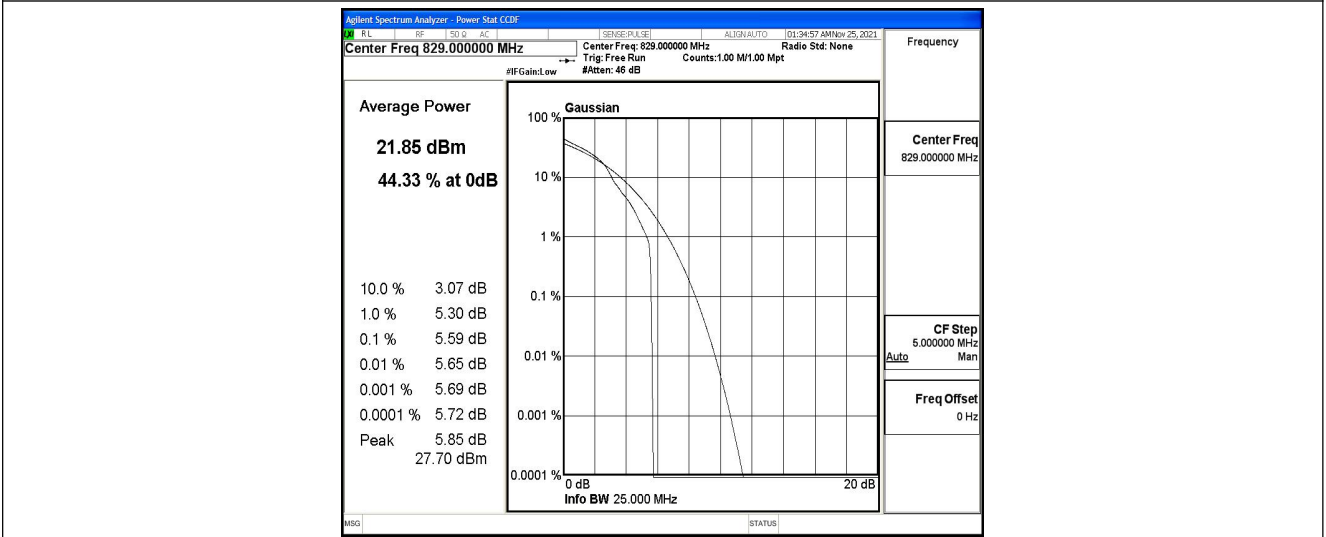
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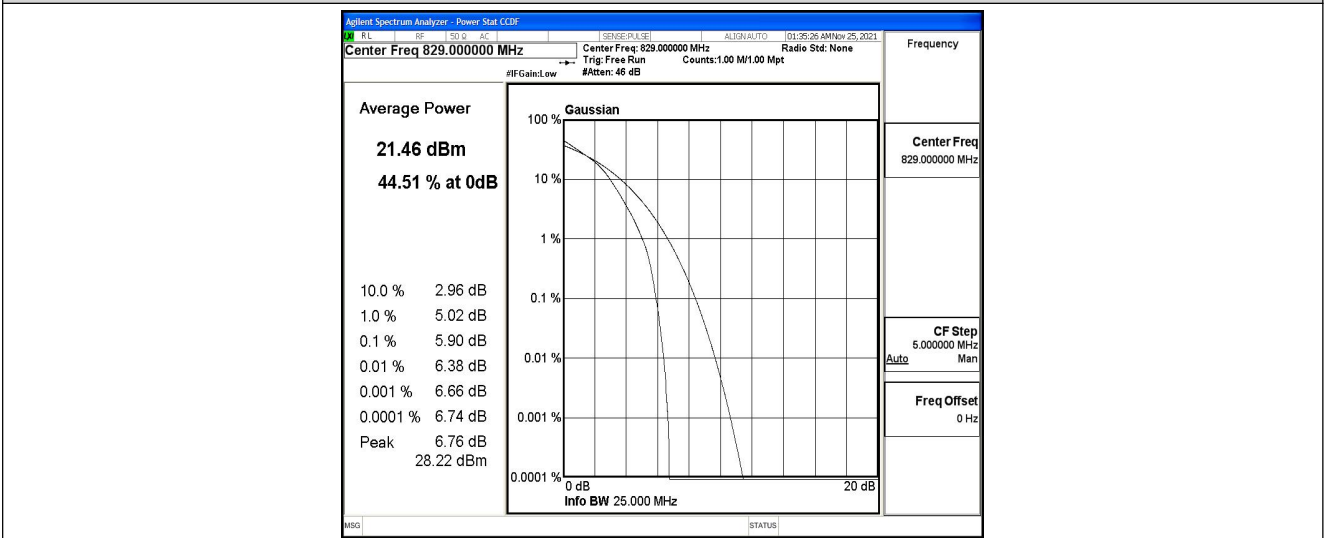
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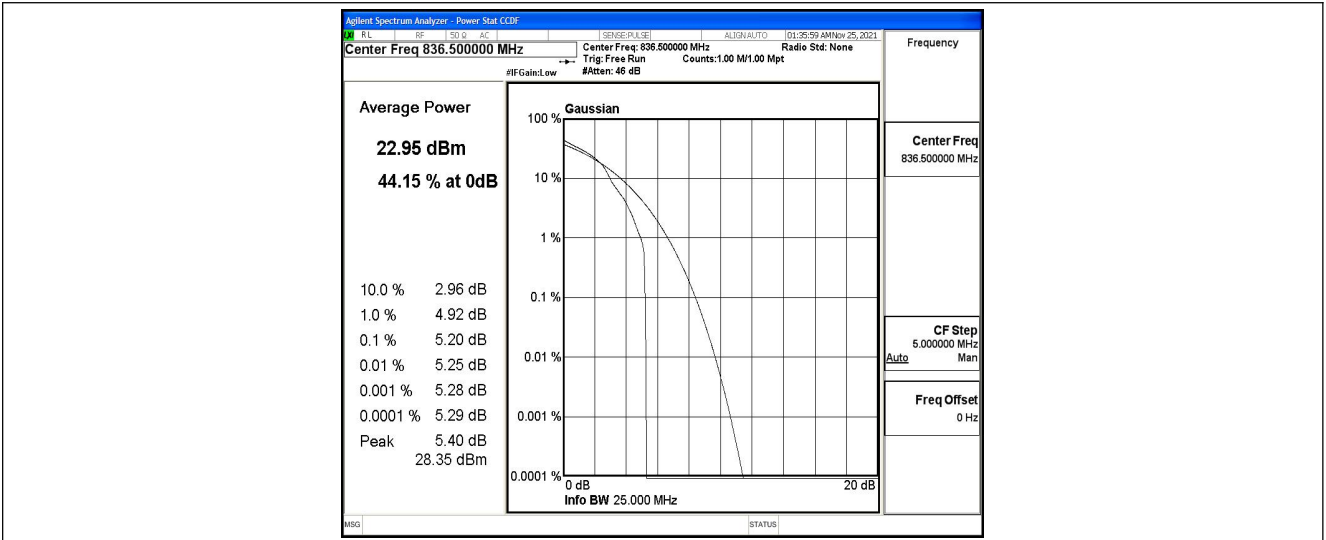
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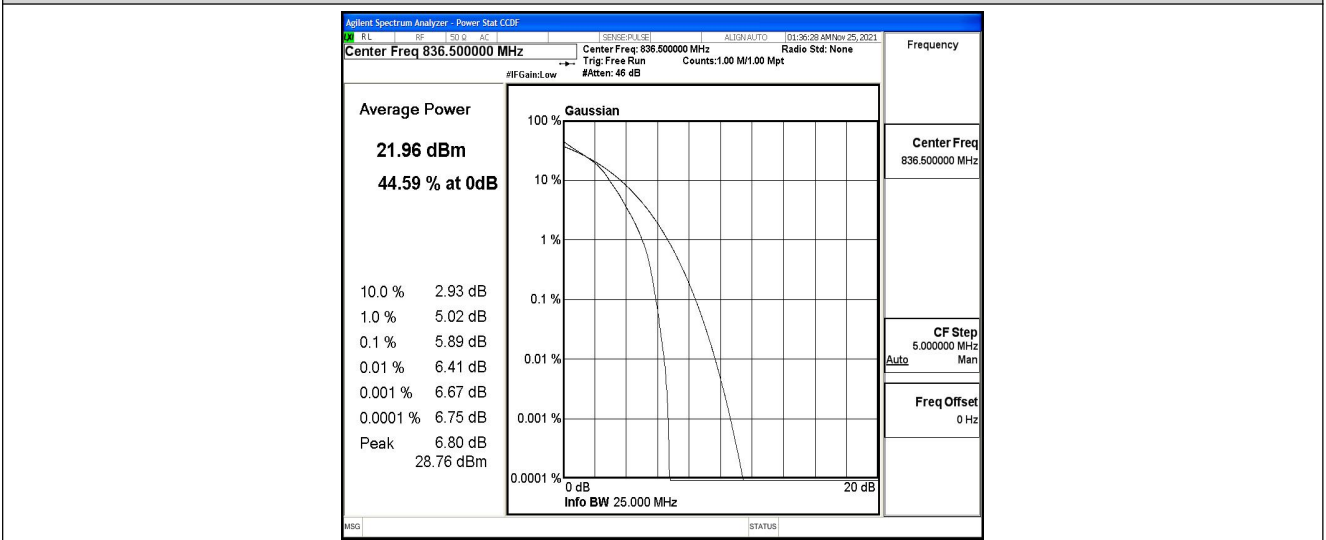
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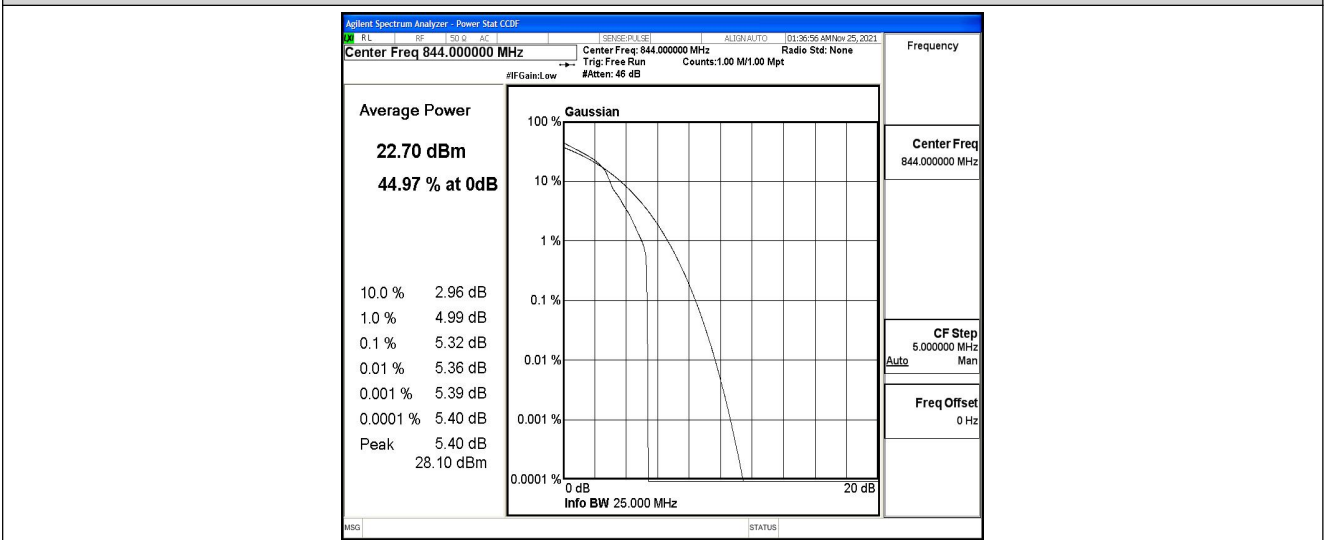
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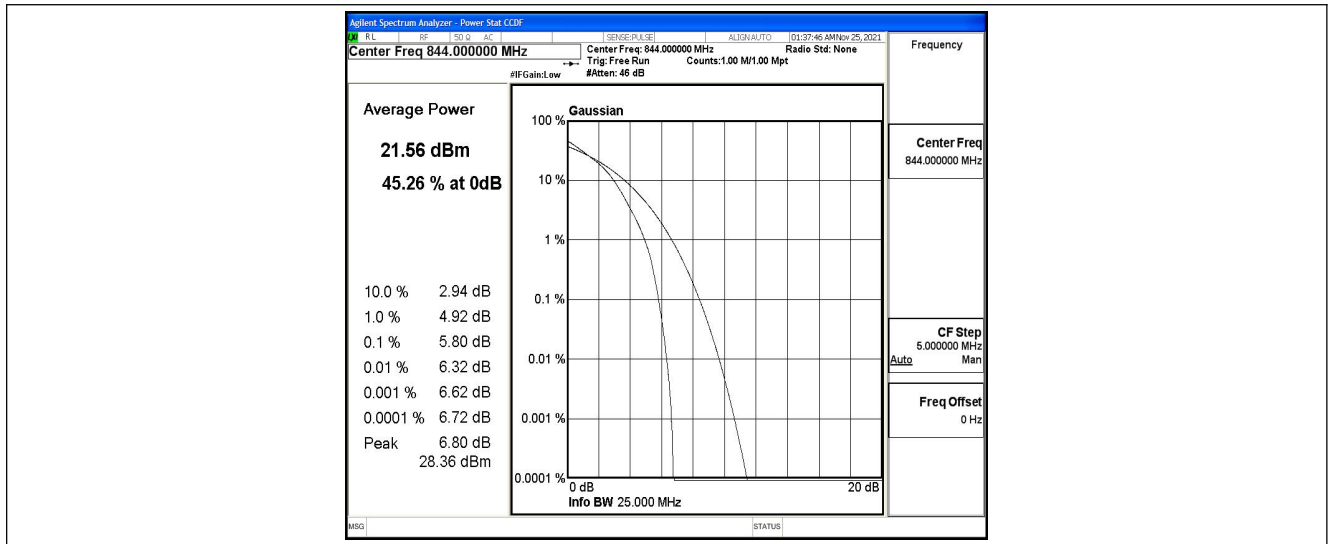
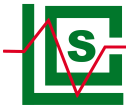
Band5-10MHz-16QAM-20525-50RB#0



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



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

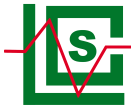




C.3 26dB Bandwidth and Occupied Bandwidth

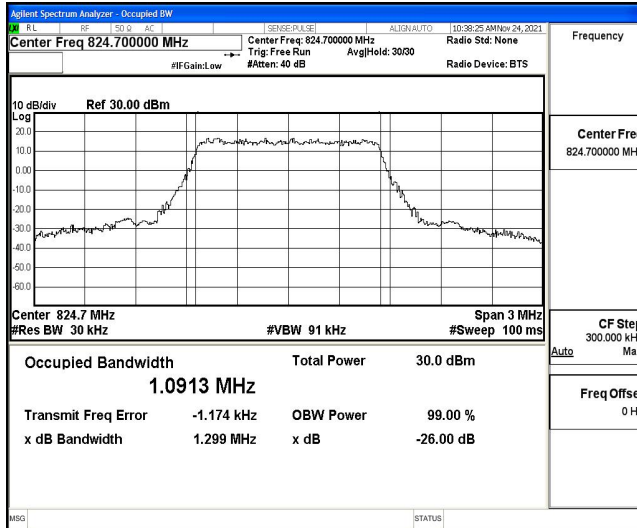
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0913	1.299	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0930	1.278	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0979	1.298	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0947	1.286	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0973	1.301	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0942	1.303	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6923	2.963	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6919	2.944	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6930	2.975	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6913	2.971	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6914	2.958	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6953	2.978	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5167	5.012	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5080	5.028	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4931	4.938	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5004	4.980	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5050	4.984	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5006	5.023	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9633	9.818	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9593	9.907	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9550	9.856	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9677	9.841	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9627	9.859	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9576	9.801	PASS

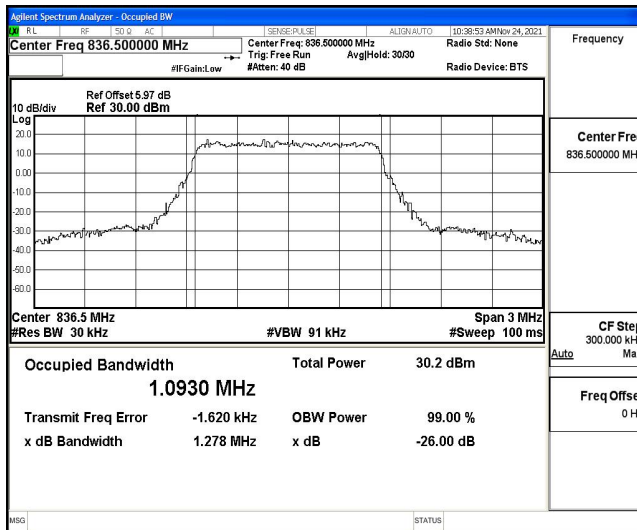


Test Graphs

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



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



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