

RF Test Data for LTE (Conducted Measurements)

General Description of EUT	
Product Name:	RUGGEDIZED HAND-HELD DEVICE
Test Model:	CHAMELEON 7
Sample ID:	202202_0108-01-2
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.85V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202202-0108-317.	

Contents

1: Conducted Power Output Data	3
Test Result.....	3
2: Peak-to-Average Ratio(CCDF)	7
Test Result.....	7
Test Graphs	9
3: 26dB Bandwidth and Occupied Bandwidth	23
Test Result.....	23
Test Graphs	24
4: Band Edge.....	31
Test Result.....	31
Test Graphs	33
5: Conducted Spurious Emission	47
Test Result.....	47
Test Graphs	49
6: Frequency Stability.....	63
Test Result.....	63

1: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	22.58	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	22.57	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	22.59	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	22.65	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	22.64	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	22.56	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	21.59	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.47	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	22.51	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	22.50	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	22.51	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	22.50	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	22.52	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	21.52	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	22.36	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	22.42	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	22.47	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	22.41	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	22.48	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	22.54	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	21.51	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	21.83	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	21.87	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	21.75	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	21.59	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	21.59	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	21.57	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	20.72	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	21.68	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	21.84	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	21.72	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	21.54	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	21.54	PASS

Band26	1.4MHz	16QAM	26740	3RB#3	21.51	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	20.48	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	21.66	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	21.78	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	21.71	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	21.48	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	21.46	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	21.49	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	20.64	PASS
Band26	3MHz	QPSK	26705	1RB#0	22.58	PASS
Band26	3MHz	QPSK	26705	1RB#8	22.55	PASS
Band26	3MHz	QPSK	26705	1RB#14	22.57	PASS
Band26	3MHz	QPSK	26705	8RB#0	21.69	PASS
Band26	3MHz	QPSK	26705	8RB#4	21.67	PASS
Band26	3MHz	QPSK	26705	8RB#7	21.60	PASS
Band26	3MHz	QPSK	26705	15RB#0	21.64	PASS
Band26	3MHz	QPSK	26740	1RB#0	22.64	PASS
Band26	3MHz	QPSK	26740	1RB#8	22.56	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.56	PASS
Band26	3MHz	QPSK	26740	8RB#0	21.58	PASS
Band26	3MHz	QPSK	26740	8RB#4	21.60	PASS
Band26	3MHz	QPSK	26740	8RB#7	21.57	PASS
Band26	3MHz	QPSK	26740	15RB#0	21.61	PASS
Band26	3MHz	QPSK	26775	1RB#0	22.54	PASS
Band26	3MHz	QPSK	26775	1RB#8	22.44	PASS
Band26	3MHz	QPSK	26775	1RB#14	22.55	PASS
Band26	3MHz	QPSK	26775	8RB#0	21.48	PASS
Band26	3MHz	QPSK	26775	8RB#4	21.49	PASS
Band26	3MHz	QPSK	26775	8RB#7	21.61	PASS
Band26	3MHz	QPSK	26775	15RB#0	21.57	PASS
Band26	3MHz	16QAM	26705	1RB#0	21.89	PASS
Band26	3MHz	16QAM	26705	1RB#8	21.88	PASS
Band26	3MHz	16QAM	26705	1RB#14	21.78	PASS
Band26	3MHz	16QAM	26705	8RB#0	20.76	PASS
Band26	3MHz	16QAM	26705	8RB#4	20.76	PASS
Band26	3MHz	16QAM	26705	8RB#7	20.71	PASS
Band26	3MHz	16QAM	26705	15RB#0	20.72	PASS

Band26	3MHz	16QAM	26740	1RB#0	21.84	PASS
Band26	3MHz	16QAM	26740	1RB#8	21.81	PASS
Band26	3MHz	16QAM	26740	1RB#14	21.79	PASS
Band26	3MHz	16QAM	26740	8RB#0	20.69	PASS
Band26	3MHz	16QAM	26740	8RB#4	20.68	PASS
Band26	3MHz	16QAM	26740	8RB#7	20.64	PASS
Band26	3MHz	16QAM	26740	15RB#0	20.61	PASS
Band26	3MHz	16QAM	26775	1RB#0	21.50	PASS
Band26	3MHz	16QAM	26775	1RB#8	21.48	PASS
Band26	3MHz	16QAM	26775	1RB#14	21.56	PASS
Band26	3MHz	16QAM	26775	8RB#0	20.62	PASS
Band26	3MHz	16QAM	26775	8RB#4	20.63	PASS
Band26	3MHz	16QAM	26775	8RB#7	20.67	PASS
Band26	3MHz	16QAM	26775	15RB#0	20.65	PASS
Band26	5MHz	QPSK	26715	1RB#0	22.56	PASS
Band26	5MHz	QPSK	26715	1RB#12	22.54	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.39	PASS
Band26	5MHz	QPSK	26715	12RB#0	21.58	PASS
Band26	5MHz	QPSK	26715	12RB#6	21.52	PASS
Band26	5MHz	QPSK	26715	12RB#13	21.45	PASS
Band26	5MHz	QPSK	26715	25RB#0	21.51	PASS
Band26	5MHz	QPSK	26740	1RB#0	22.49	PASS
Band26	5MHz	QPSK	26740	1RB#12	22.47	PASS
Band26	5MHz	QPSK	26740	1RB#24	22.46	PASS
Band26	5MHz	QPSK	26740	12RB#0	21.48	PASS
Band26	5MHz	QPSK	26740	12RB#6	21.47	PASS
Band26	5MHz	QPSK	26740	12RB#13	21.49	PASS
Band26	5MHz	QPSK	26740	25RB#0	21.53	PASS
Band26	5MHz	QPSK	26765	1RB#0	22.38	PASS
Band26	5MHz	QPSK	26765	1RB#12	22.53	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.40	PASS
Band26	5MHz	QPSK	26765	12RB#0	21.52	PASS
Band26	5MHz	QPSK	26765	12RB#6	21.49	PASS
Band26	5MHz	QPSK	26765	12RB#13	21.40	PASS
Band26	5MHz	QPSK	26765	25RB#0	21.47	PASS
Band26	5MHz	16QAM	26715	1RB#0	21.64	PASS
Band26	5MHz	16QAM	26715	1RB#12	21.66	PASS

Band26	5MHz	16QAM	26715	1RB#24	21.58	PASS
Band26	5MHz	16QAM	26715	12RB#0	20.62	PASS
Band26	5MHz	16QAM	26715	12RB#6	20.62	PASS
Band26	5MHz	16QAM	26715	12RB#13	20.56	PASS
Band26	5MHz	16QAM	26715	25RB#0	20.61	PASS
Band26	5MHz	16QAM	26740	1RB#0	21.80	PASS
Band26	5MHz	16QAM	26740	1RB#12	21.87	PASS
Band26	5MHz	16QAM	26740	1RB#24	21.78	PASS
Band26	5MHz	16QAM	26740	12RB#0	20.63	PASS
Band26	5MHz	16QAM	26740	12RB#6	20.63	PASS
Band26	5MHz	16QAM	26740	12RB#13	20.66	PASS
Band26	5MHz	16QAM	26740	25RB#0	20.60	PASS
Band26	5MHz	16QAM	26765	1RB#0	21.53	PASS
Band26	5MHz	16QAM	26765	1RB#12	21.72	PASS
Band26	5MHz	16QAM	26765	1RB#24	21.56	PASS
Band26	5MHz	16QAM	26765	12RB#0	20.64	PASS
Band26	5MHz	16QAM	26765	12RB#6	20.64	PASS
Band26	5MHz	16QAM	26765	12RB#13	20.55	PASS
Band26	5MHz	16QAM	26765	25RB#0	20.57	PASS
Band26	10MHz	QPSK	26740	1RB#0	22.45	PASS
Band26	10MHz	QPSK	26740	1RB#24	22.31	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.28	PASS
Band26	10MHz	QPSK	26740	25RB#0	21.52	PASS
Band26	10MHz	QPSK	26740	25RB#12	21.53	PASS
Band26	10MHz	QPSK	26740	25RB#25	21.44	PASS
Band26	10MHz	QPSK	26740	50RB#0	21.56	PASS
Band26	10MHz	16QAM	26740	1RB#0	21.77	PASS
Band26	10MHz	16QAM	26740	1RB#24	21.64	PASS
Band26	10MHz	16QAM	26740	1RB#49	21.68	PASS
Band26	10MHz	16QAM	26740	25RB#0	20.59	PASS
Band26	10MHz	16QAM	26740	25RB#12	20.62	PASS
Band26	10MHz	16QAM	26740	25RB#25	20.56	PASS
Band26	10MHz	16QAM	26740	50RB#0	20.64	PASS

2: Peak-to-Average Ratio(CCDF)

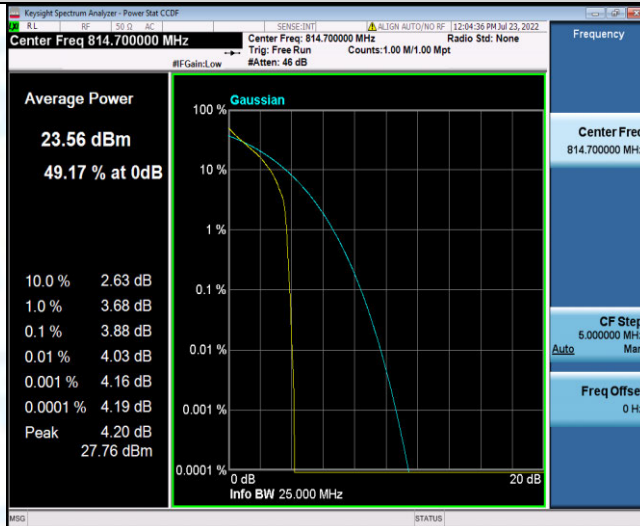
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	3.88	13	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	4.84	13	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	3.84	13	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	4.84	13	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	4.00	13	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	5.19	13	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	5.61	13	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	6.02	13	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	5.54	13	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	6.15	13	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	5.88	13	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	6.46	13	PASS
Band26	3MHz	QPSK	26705	1RB#0	3.65	13	PASS
Band26	3MHz	QPSK	26705	15RB#0	4.78	13	PASS
Band26	3MHz	QPSK	26740	1RB#0	3.68	13	PASS
Band26	3MHz	QPSK	26740	15RB#0	4.96	13	PASS
Band26	3MHz	QPSK	26775	1RB#0	3.89	13	PASS
Band26	3MHz	QPSK	26775	15RB#0	5.05	13	PASS
Band26	3MHz	16QAM	26705	1RB#0	5.36	13	PASS
Band26	3MHz	16QAM	26705	15RB#0	6.11	13	PASS
Band26	3MHz	16QAM	26740	1RB#0	5.52	13	PASS
Band26	3MHz	16QAM	26740	15RB#0	6.37	13	PASS
Band26	3MHz	16QAM	26775	1RB#0	5.96	13	PASS
Band26	3MHz	16QAM	26775	15RB#0	6.53	13	PASS
Band26	5MHz	QPSK	26715	1RB#0	3.61	13	PASS
Band26	5MHz	QPSK	26715	25RB#0	5.04	13	PASS
Band26	5MHz	QPSK	26740	1RB#0	3.66	13	PASS
Band26	5MHz	QPSK	26740	25RB#0	5.18	13	PASS
Band26	5MHz	QPSK	26765	1RB#0	3.80	13	PASS
Band26	5MHz	QPSK	26765	25RB#0	5.34	13	PASS

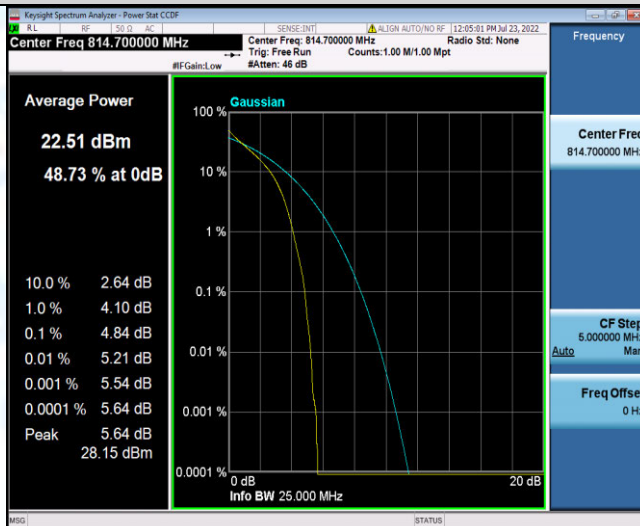
Band26	5MHz	16QAM	26715	1RB#0	5.36	13	PASS
Band26	5MHz	16QAM	26715	25RB#0	6.16	13	PASS
Band26	5MHz	16QAM	26740	1RB#0	5.32	13	PASS
Band26	5MHz	16QAM	26740	25RB#0	6.33	13	PASS
Band26	5MHz	16QAM	26765	1RB#0	5.63	13	PASS
Band26	5MHz	16QAM	26765	25RB#0	6.51	13	PASS
Band26	10MHz	QPSK	26740	1RB#0	3.58	13	PASS
Band26	10MHz	QPSK	26740	50RB#0	5.10	13	PASS
Band26	10MHz	16QAM	26740	1RB#0	5.29	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	6.25	13	PASS

Test Graphs

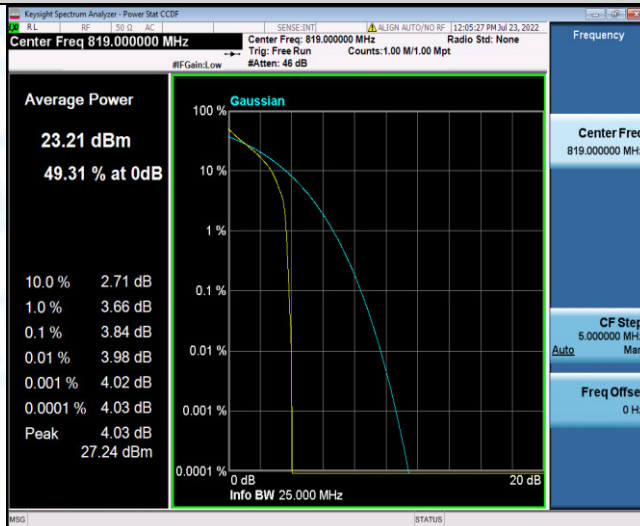
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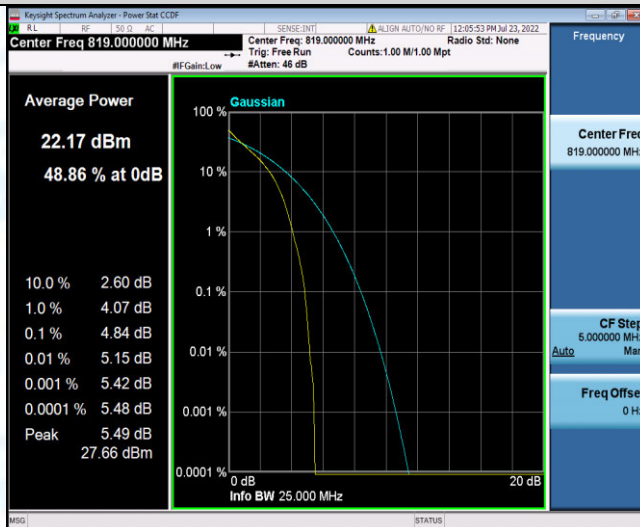
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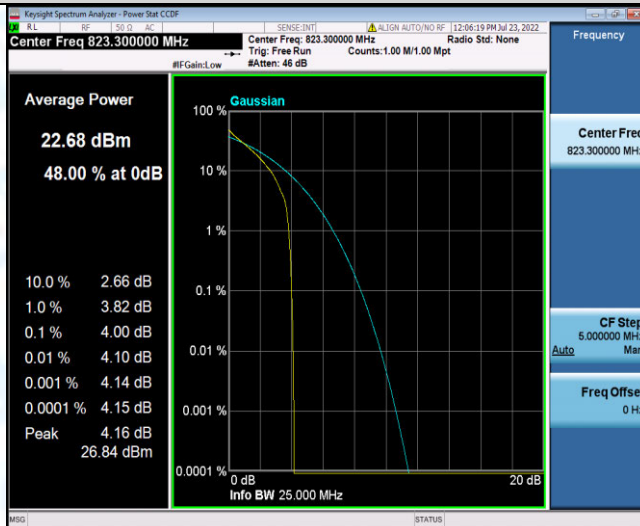
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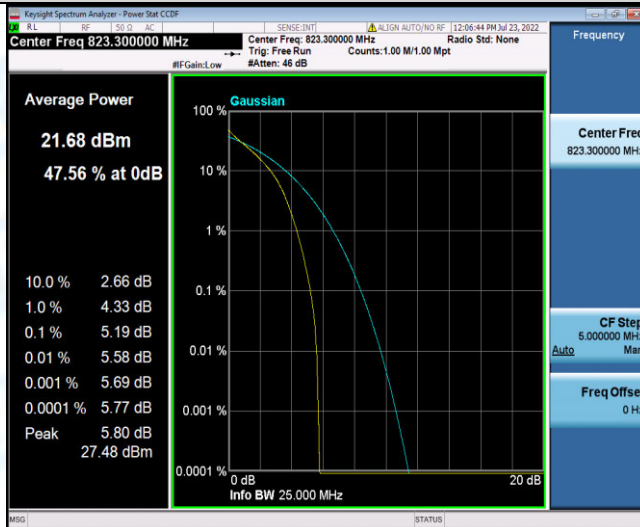
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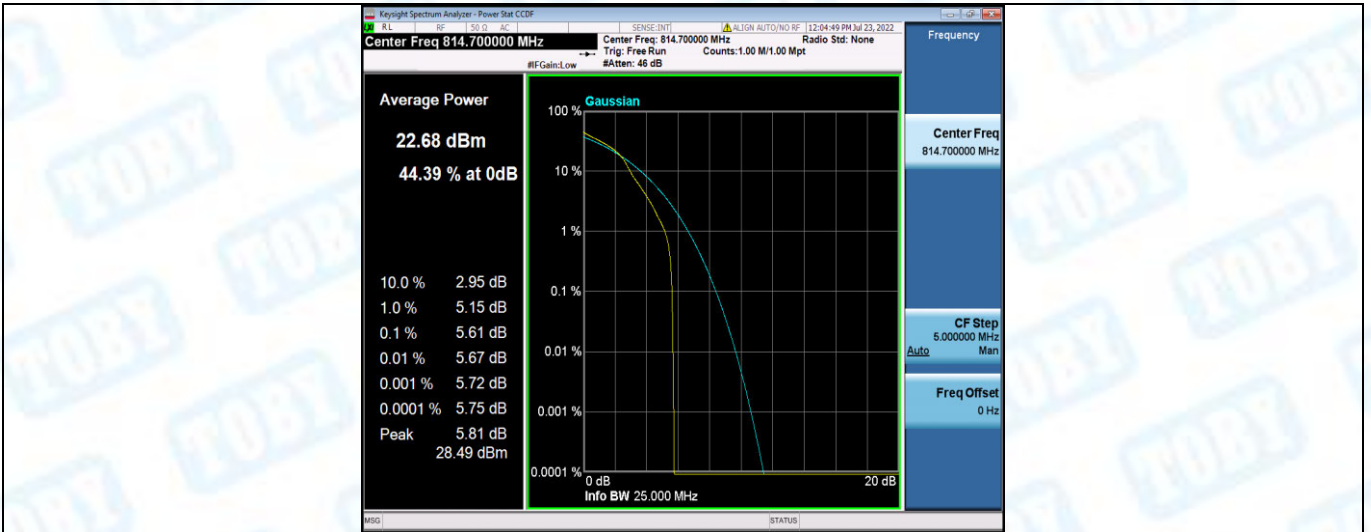
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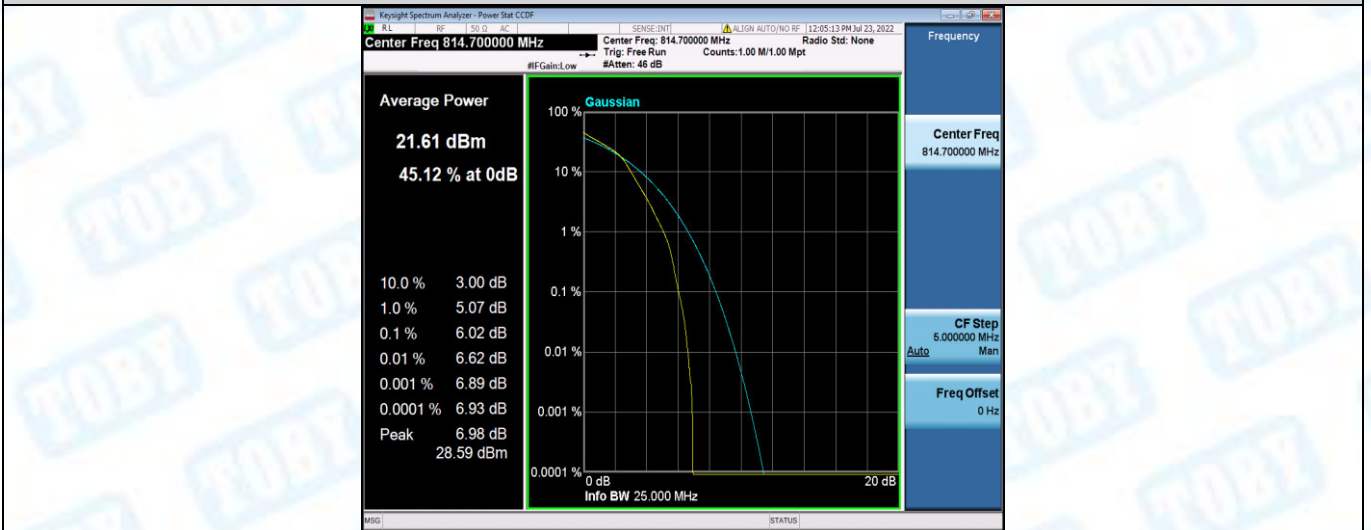
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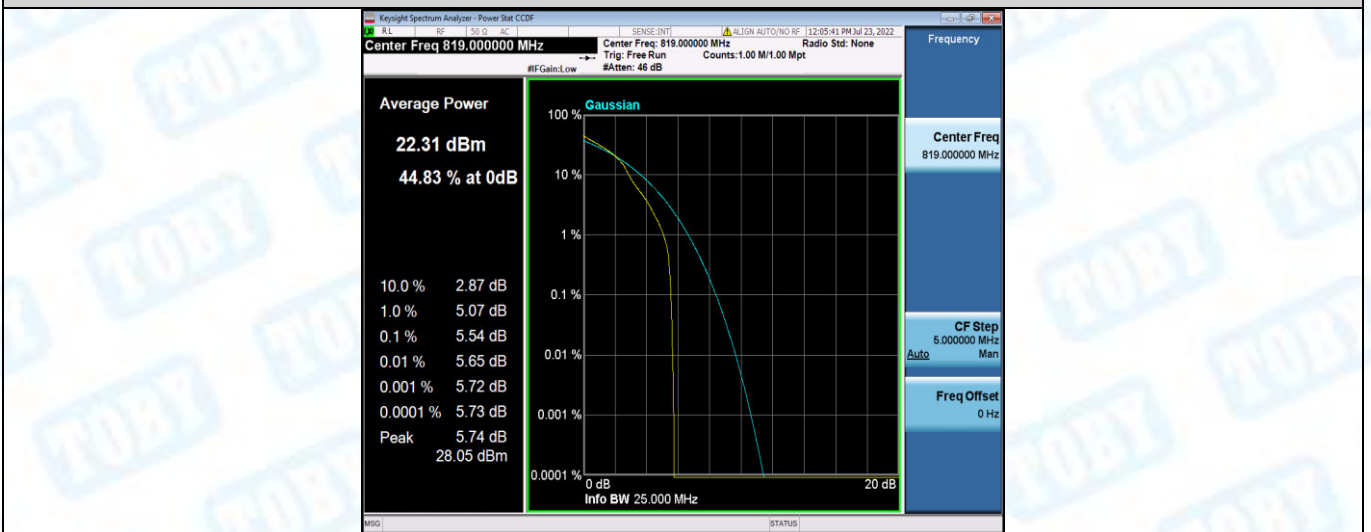
Band26-1.4MHz-16QAM-26697-1RB#0



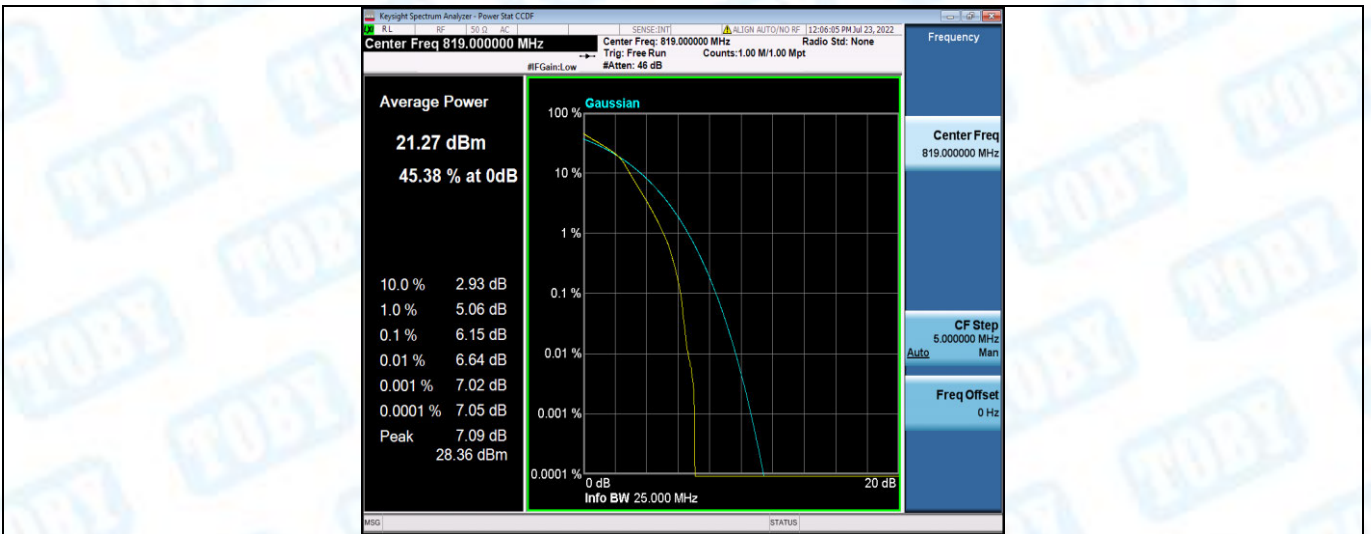
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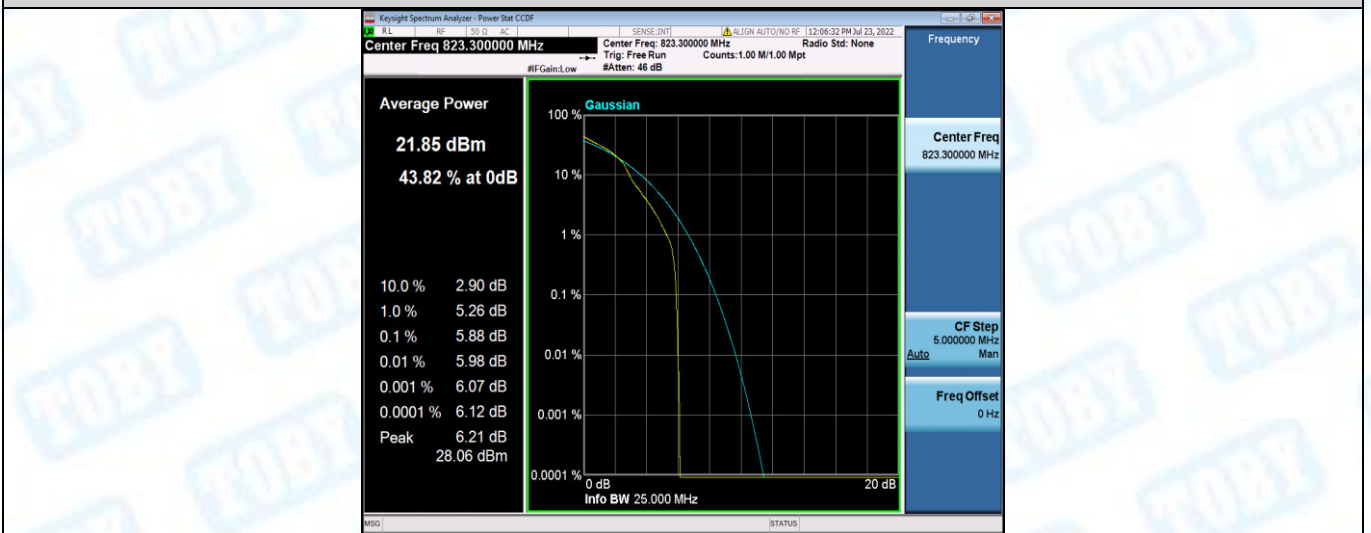
Band26-1.4MHz-16QAM-26740-1RB#0



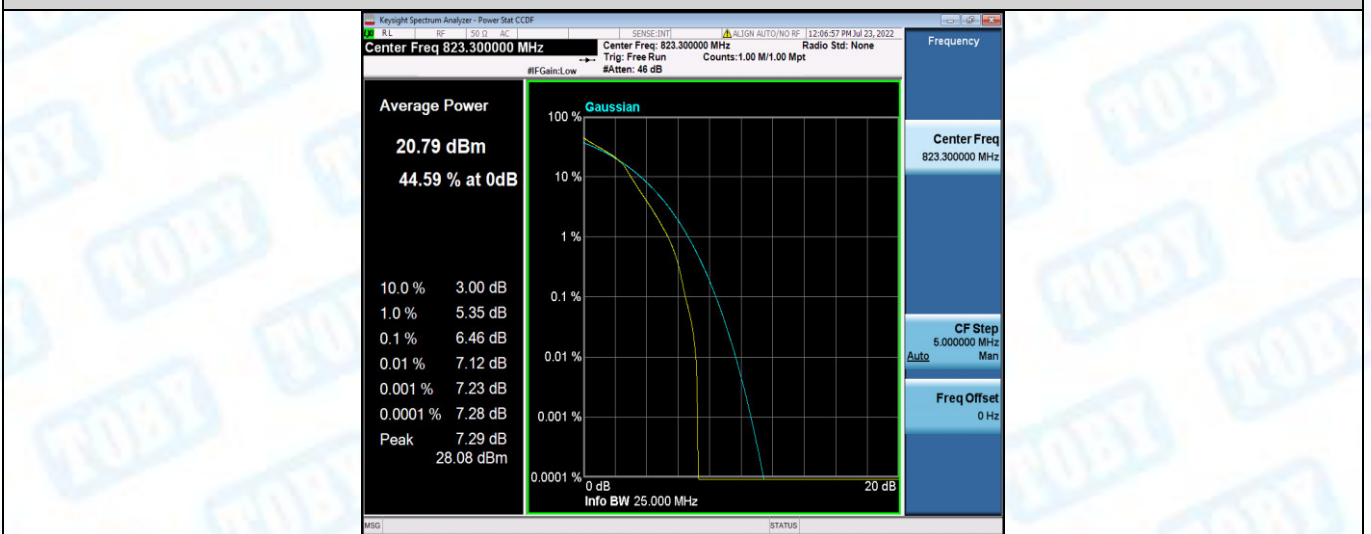
Band26-1.4MHz-16QAM-26740-6RB#0



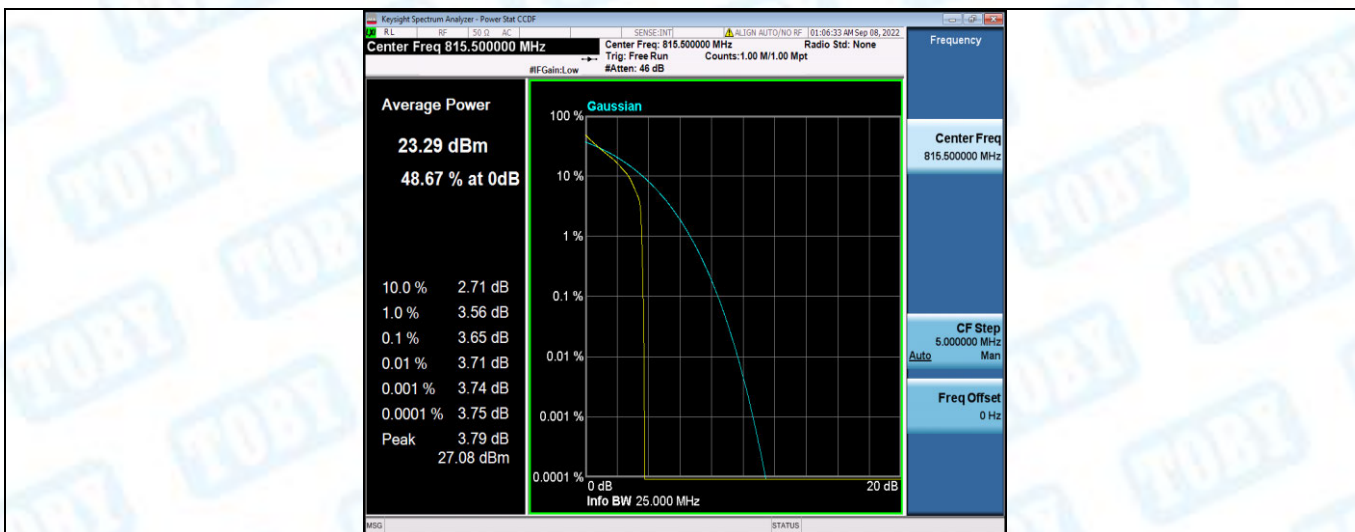
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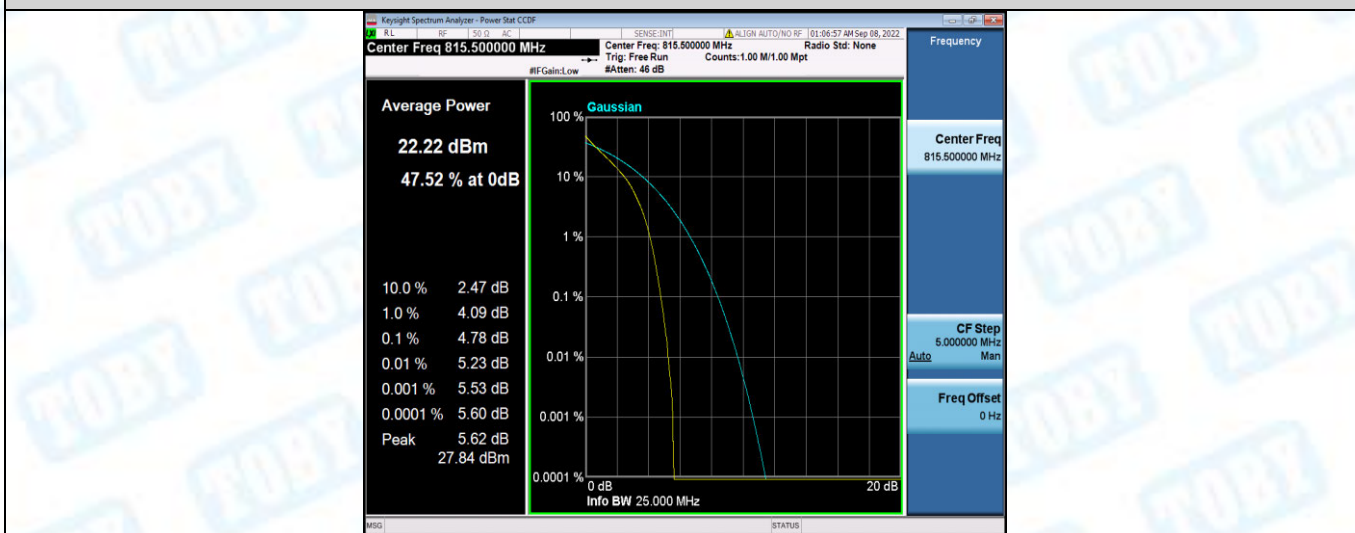
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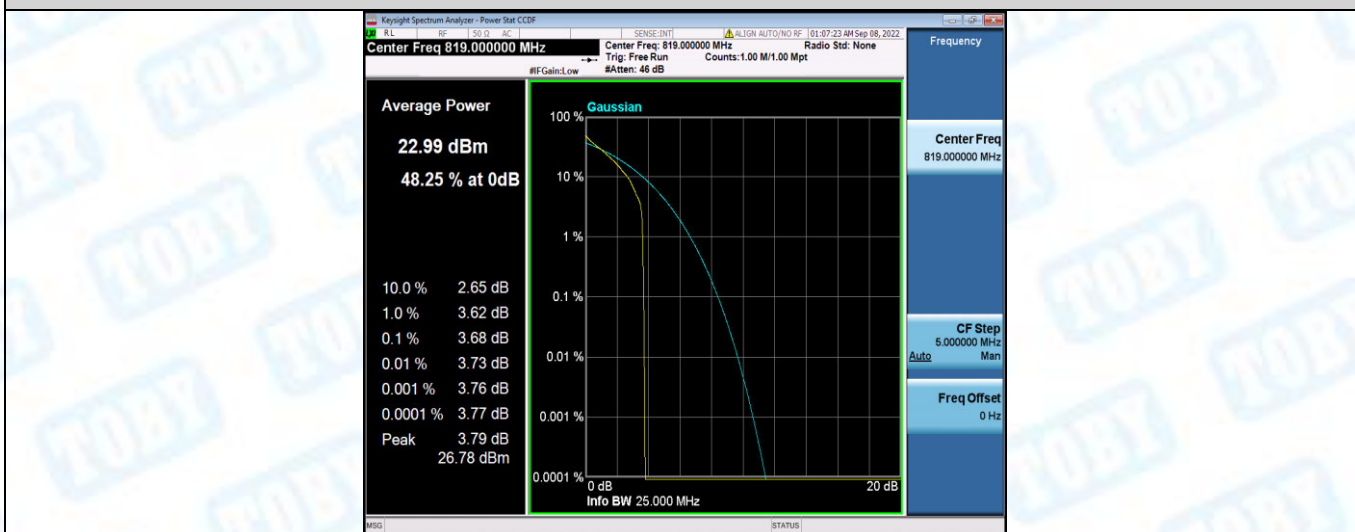
Band26-3MHz-QPSK-26705-1RB#0



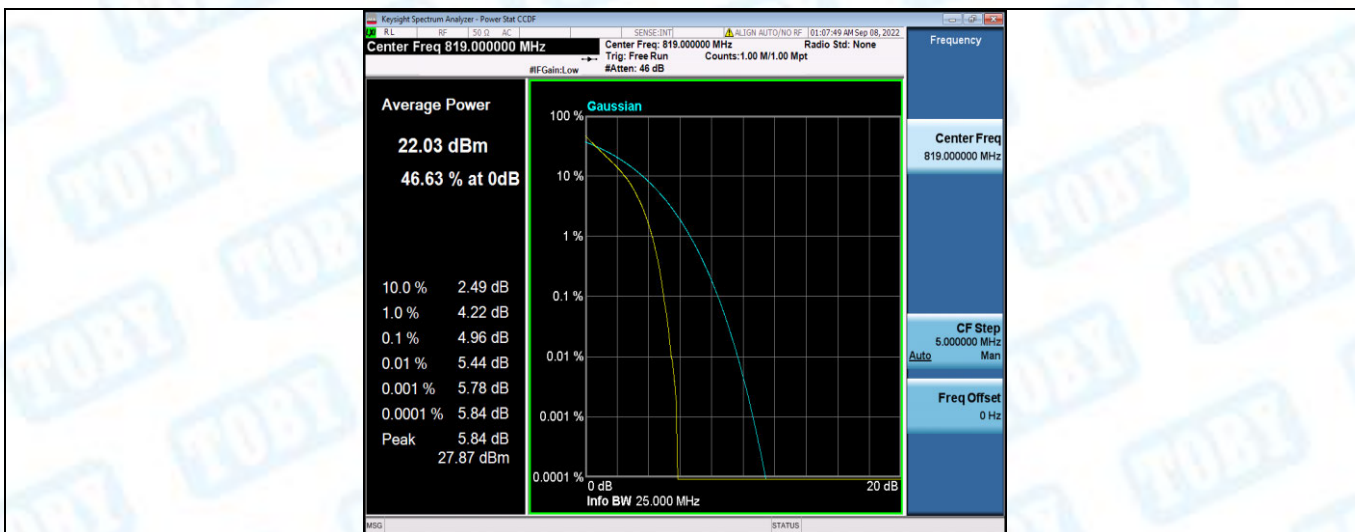
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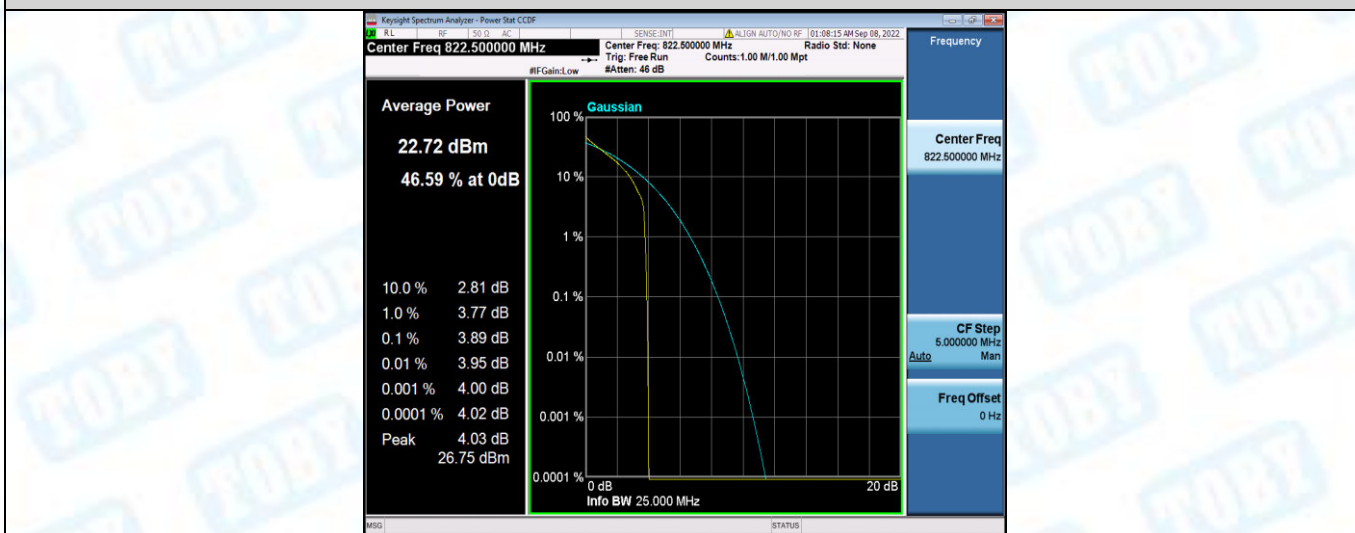
Band26-3MHz-QPSK-26740-1RB#0



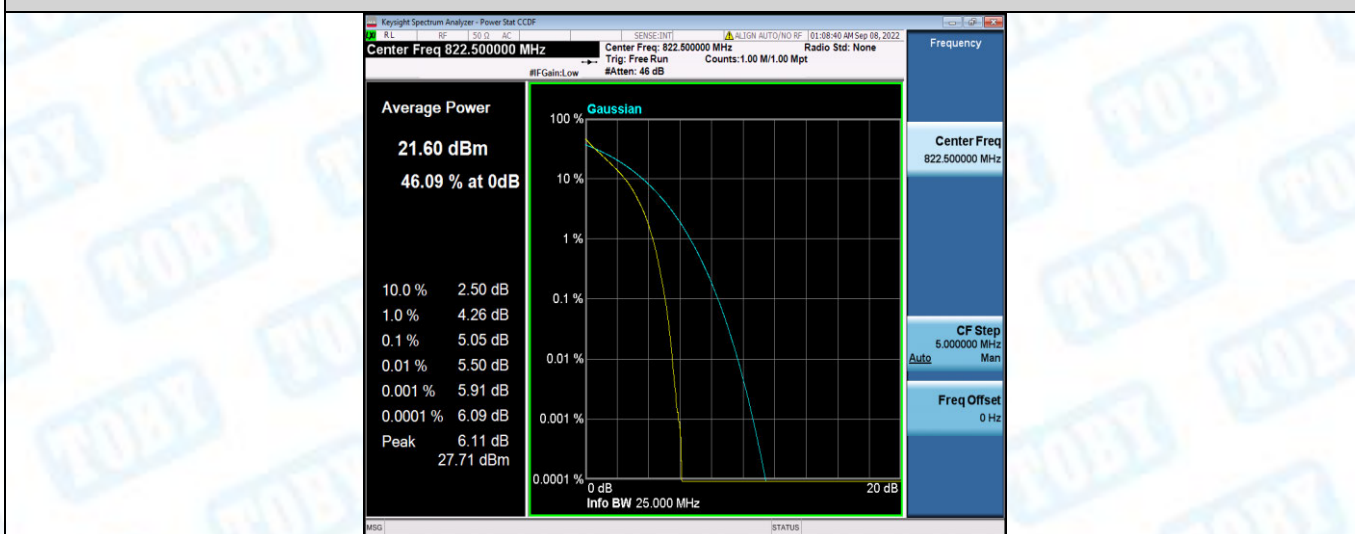
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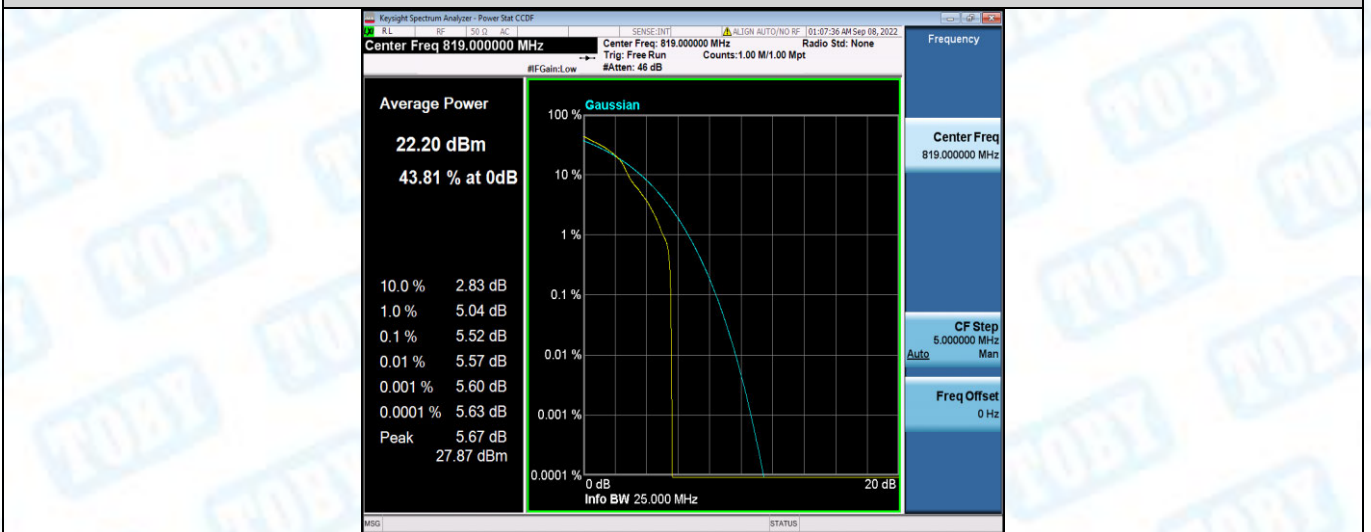
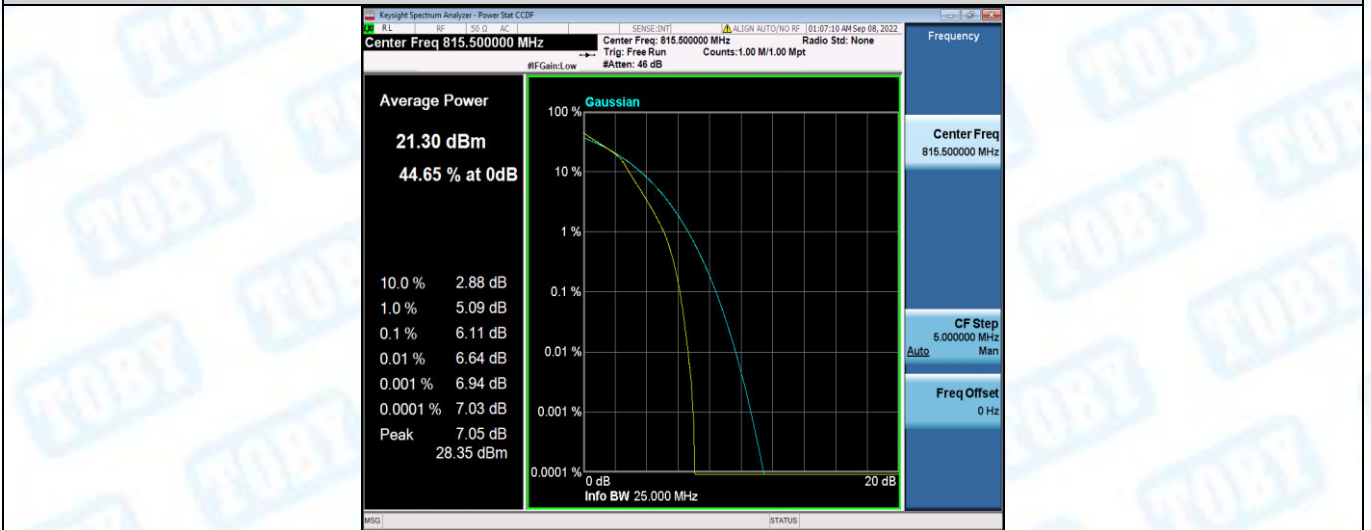
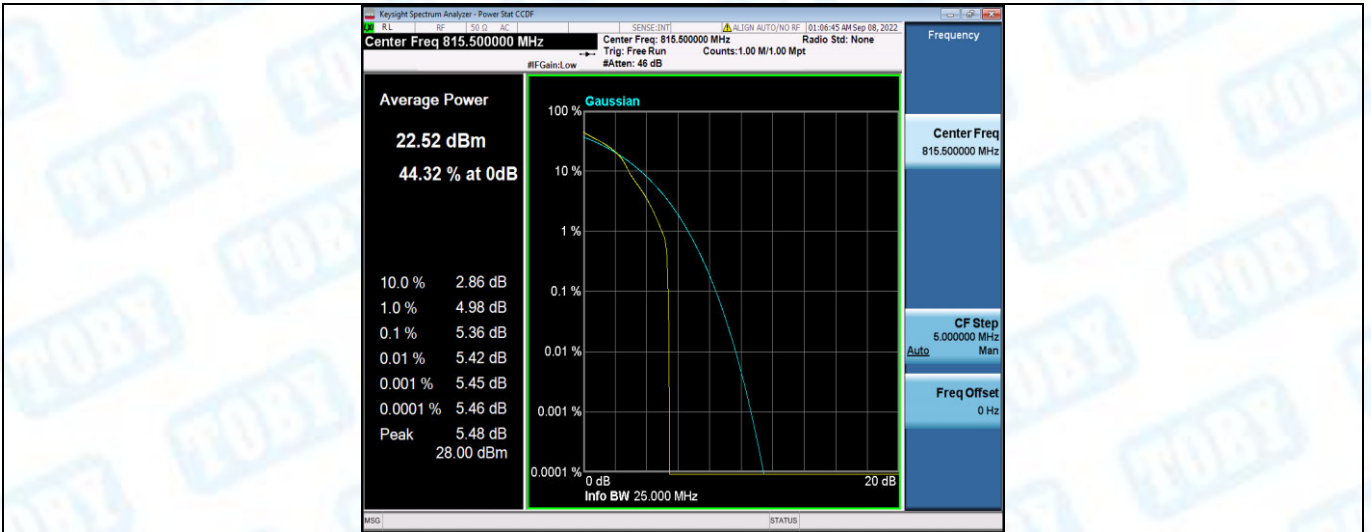
Band26-3MHz-QPSK-26775-1RB#0

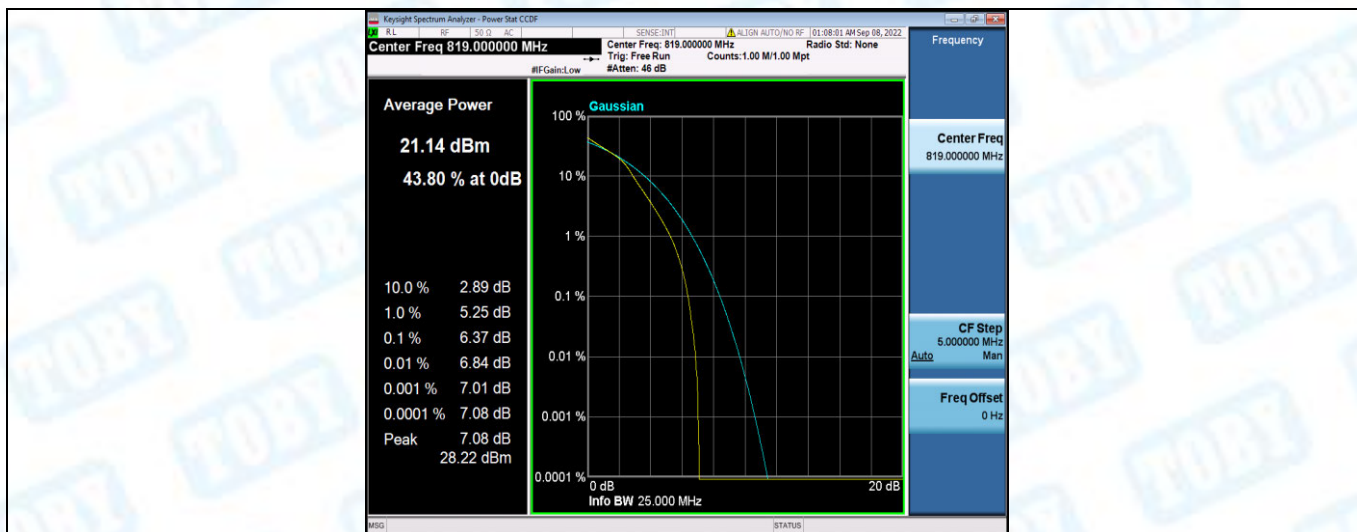


Band26-3MHz-QPSK-26775-15RB#0

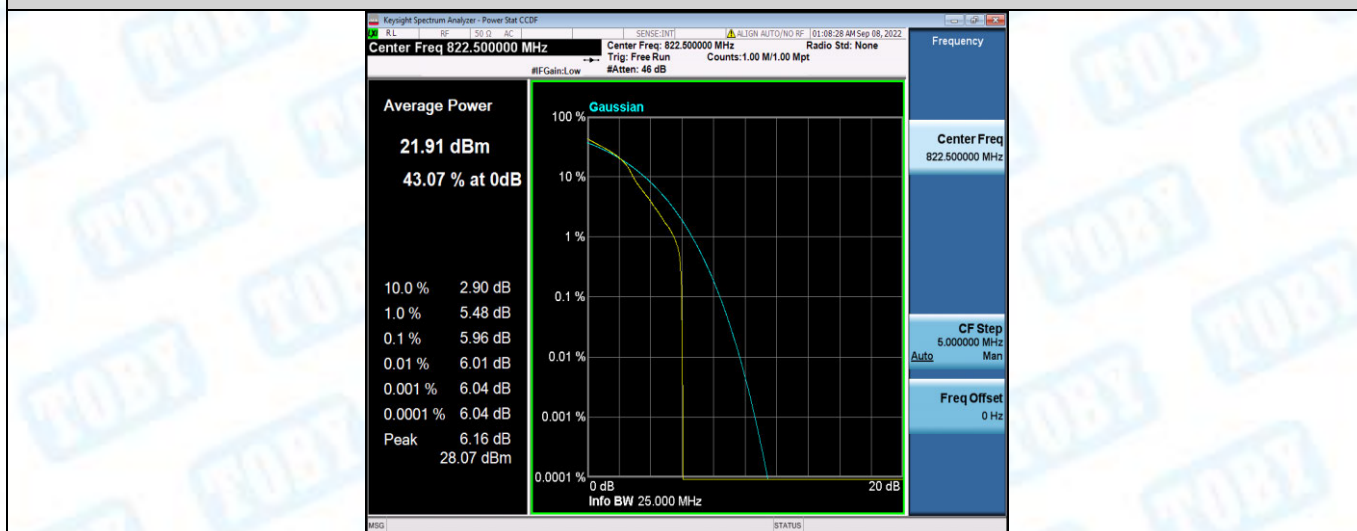


Band26-3MHz-16QAM-26705-1RB#0

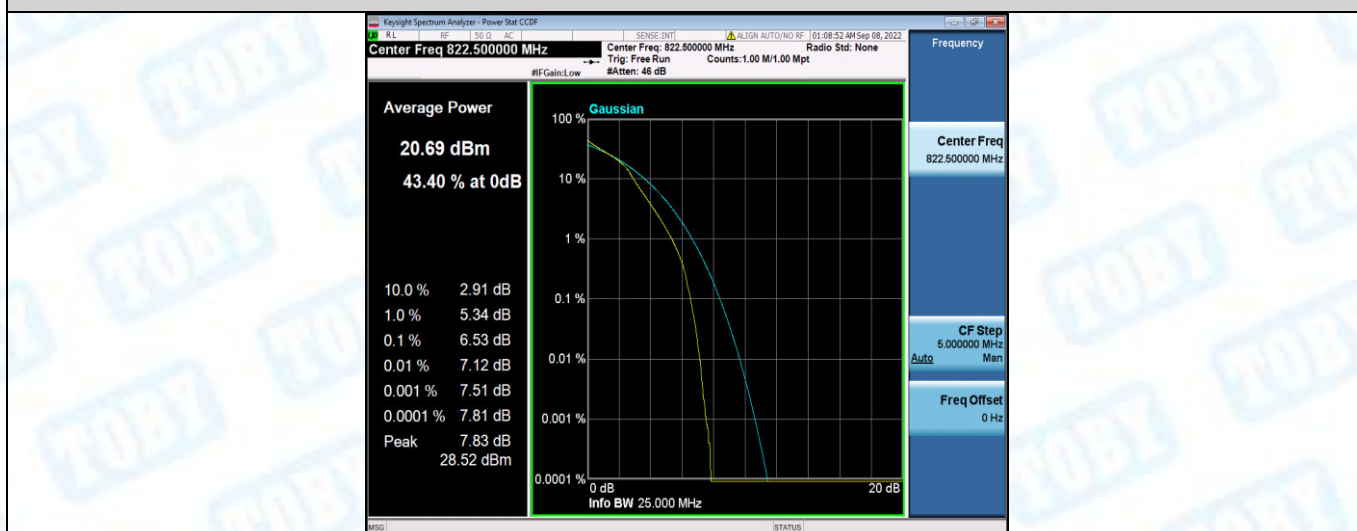




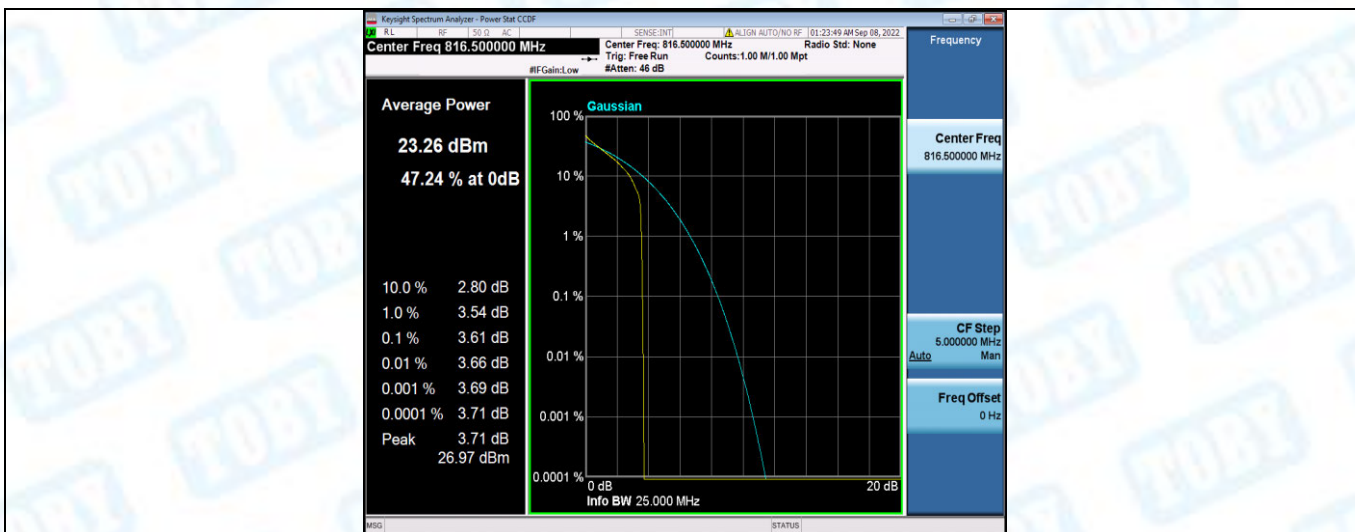
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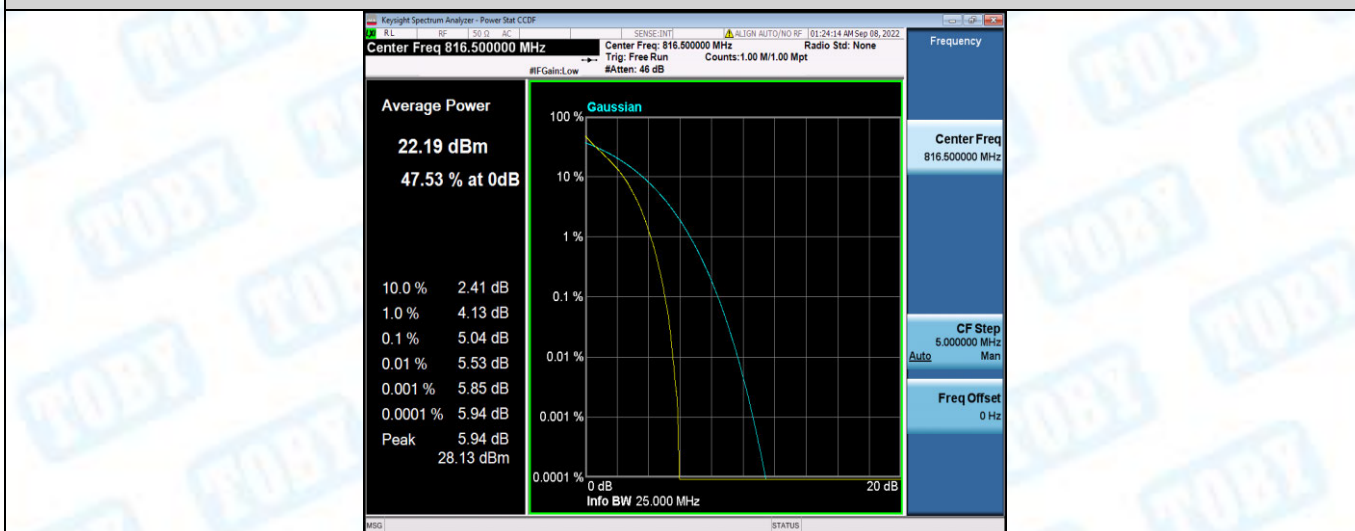
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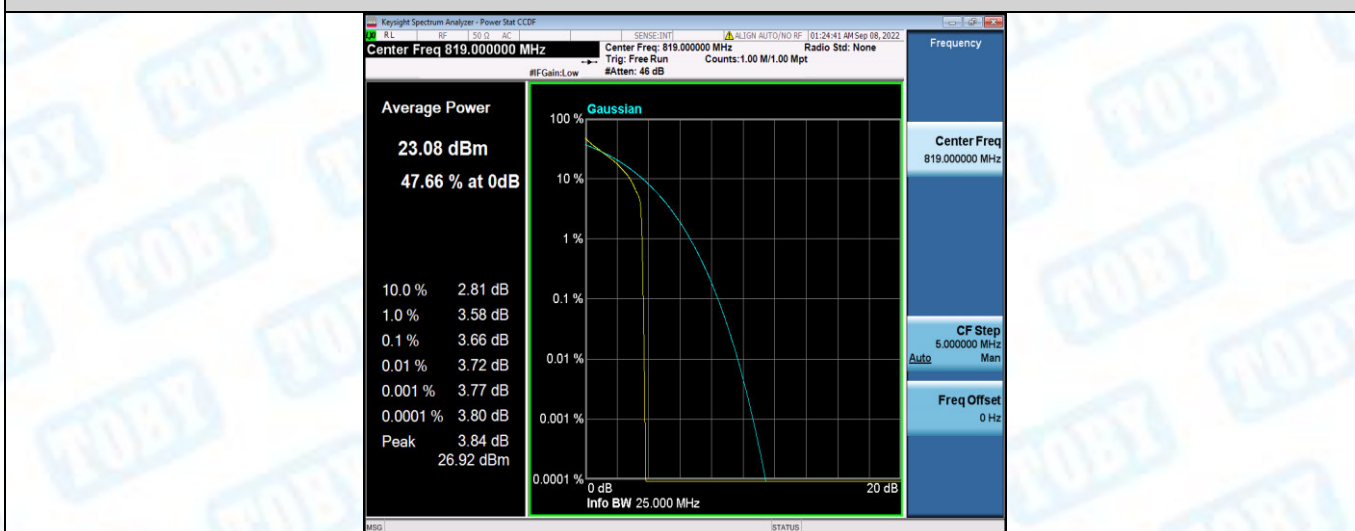
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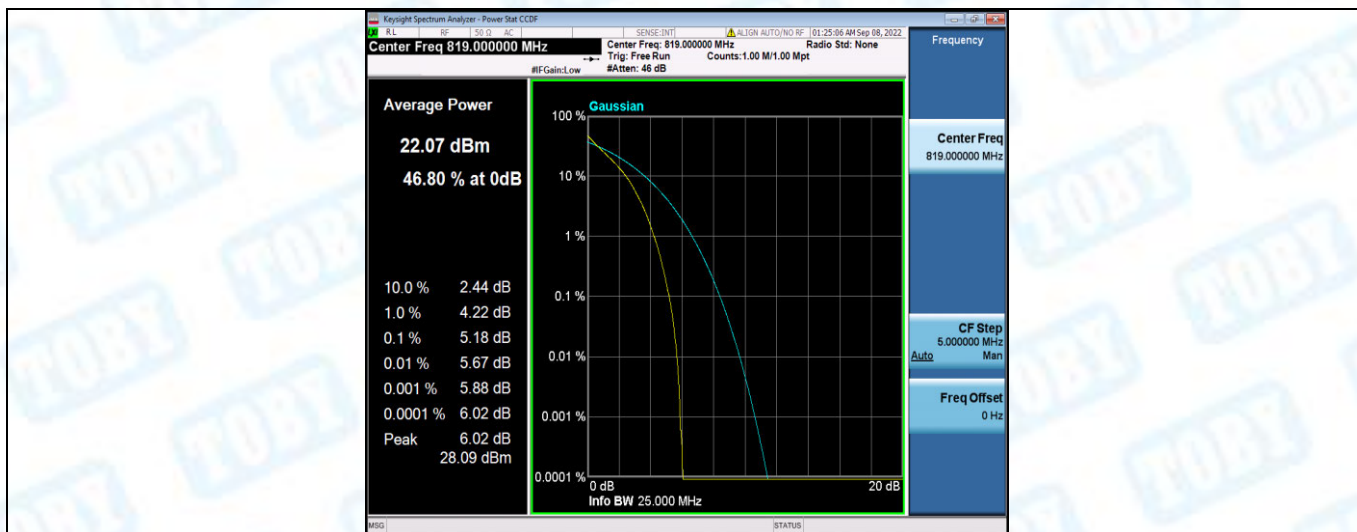
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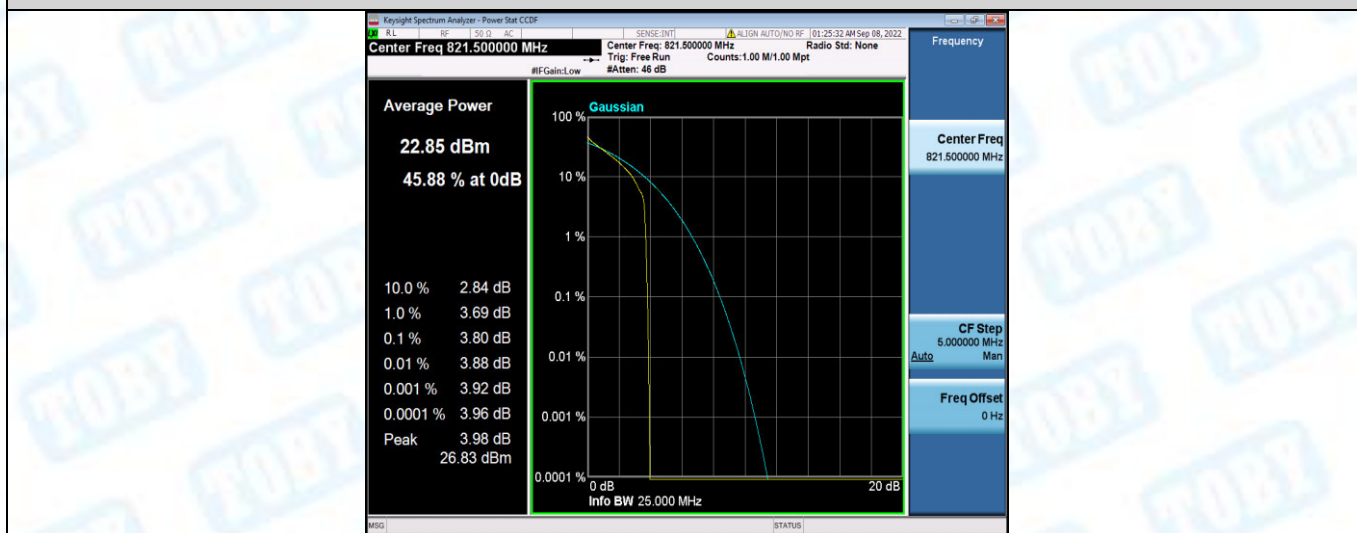
Band26-5MHz-QPSK-26740-1RB#0



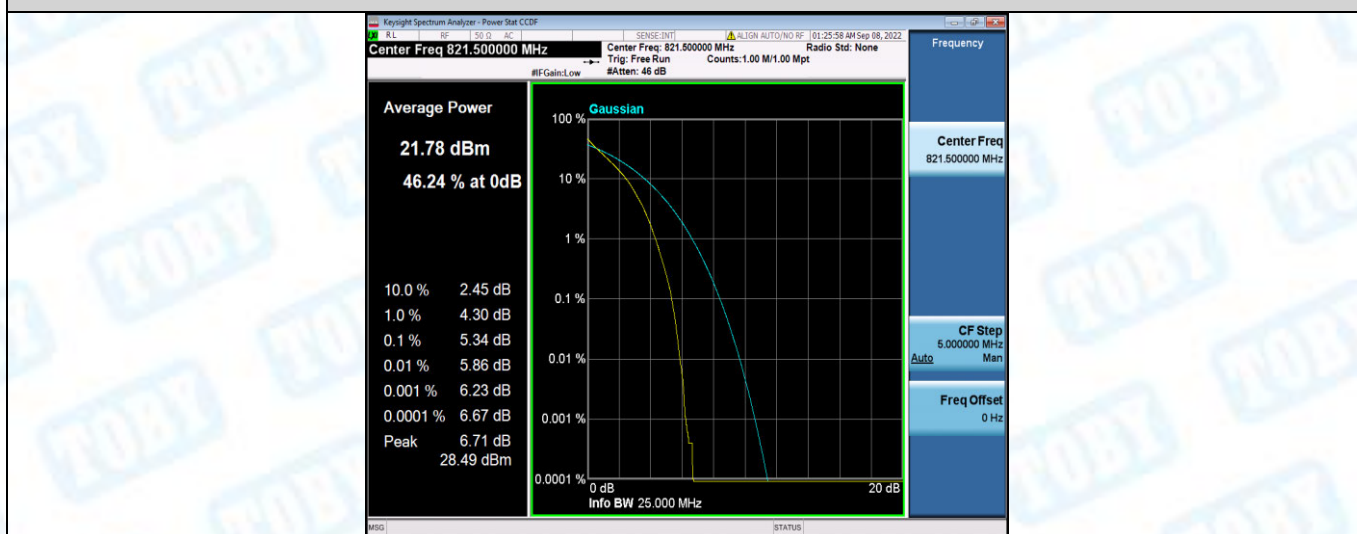
Band26-5MHz-QPSK-26740-25RB#0



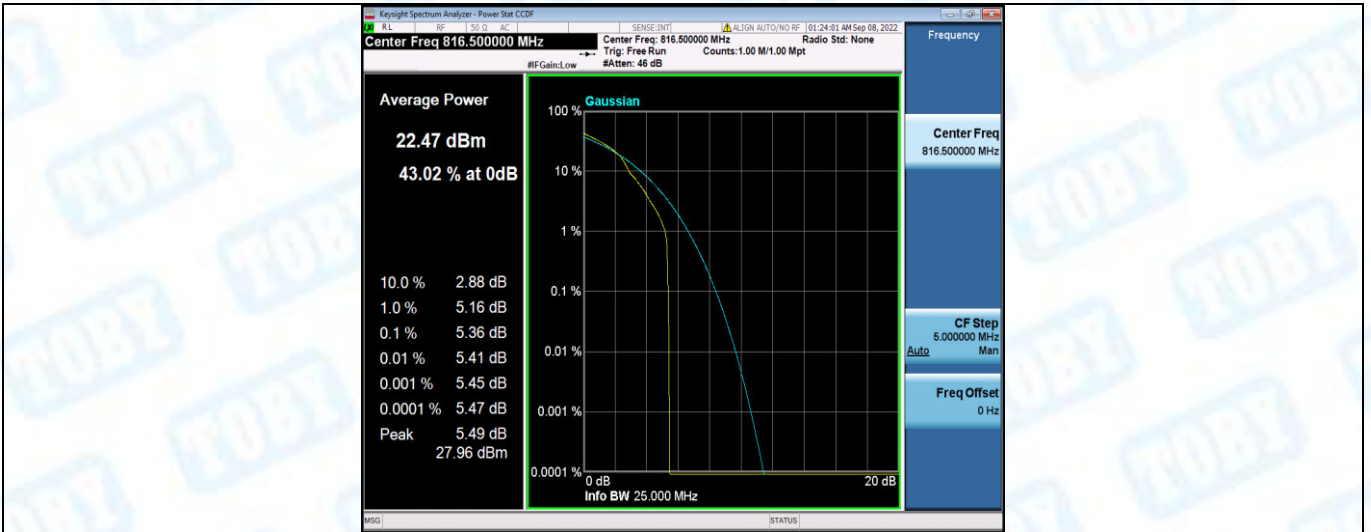
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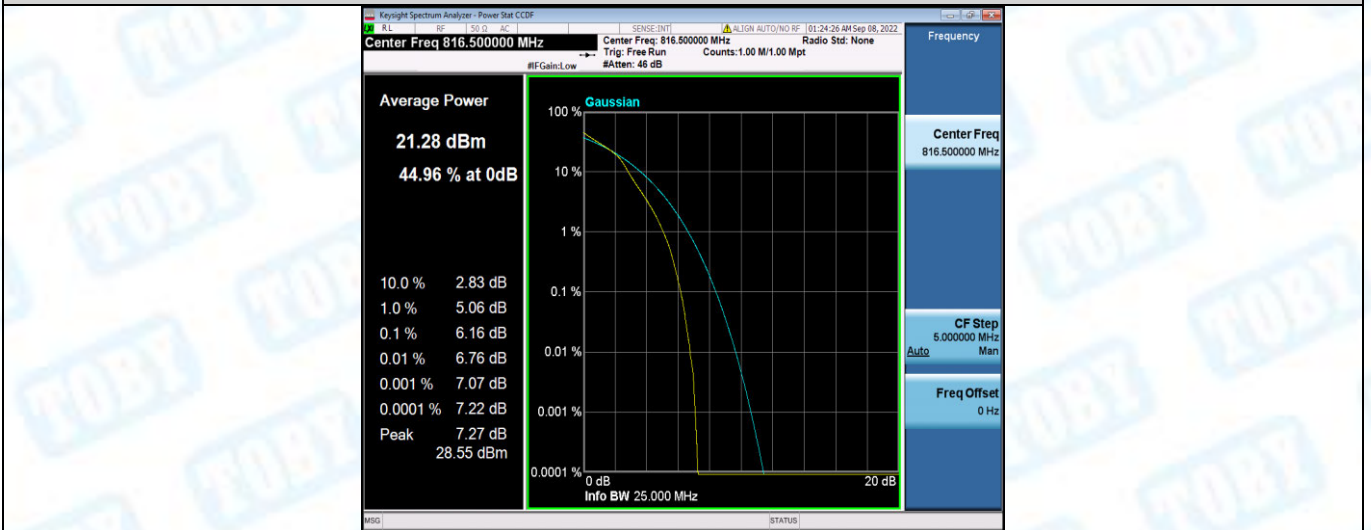
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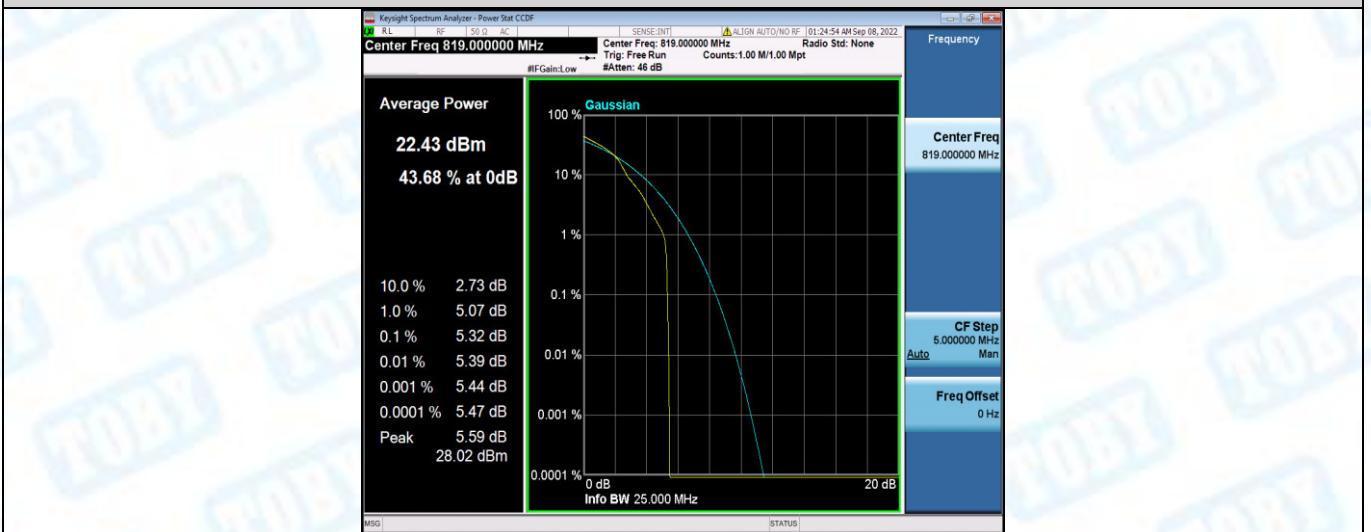
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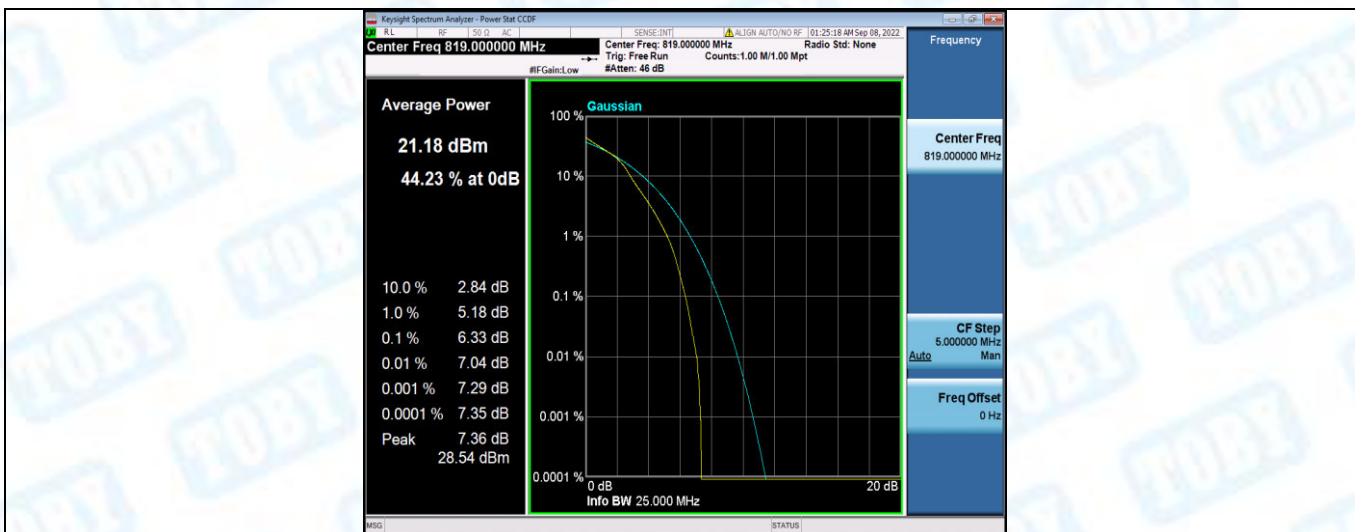
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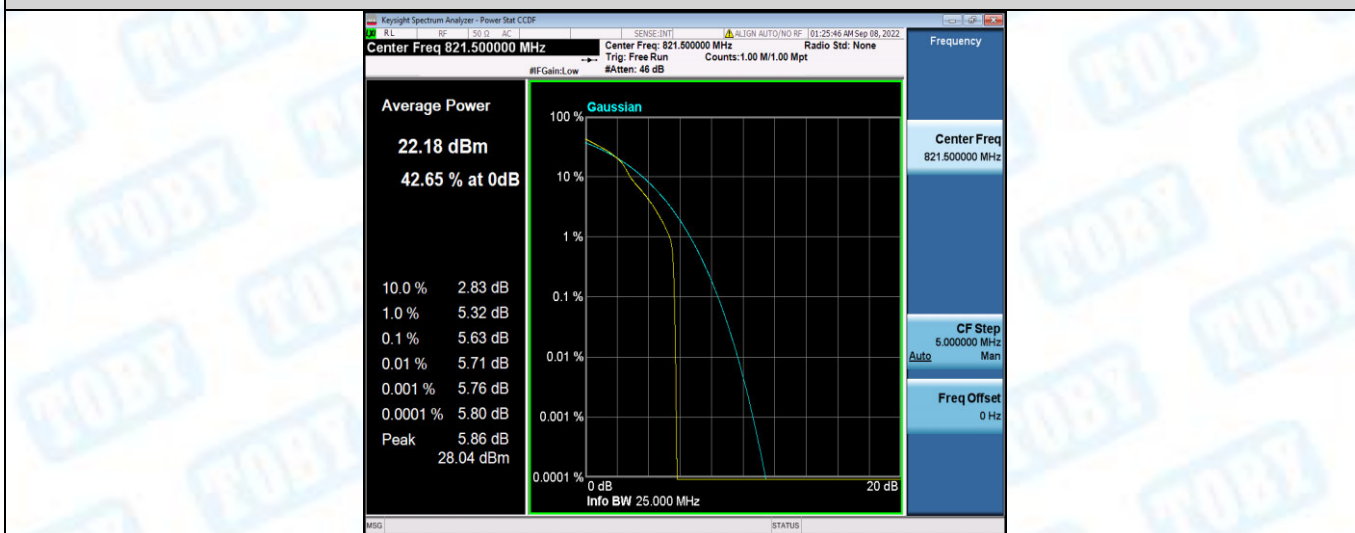
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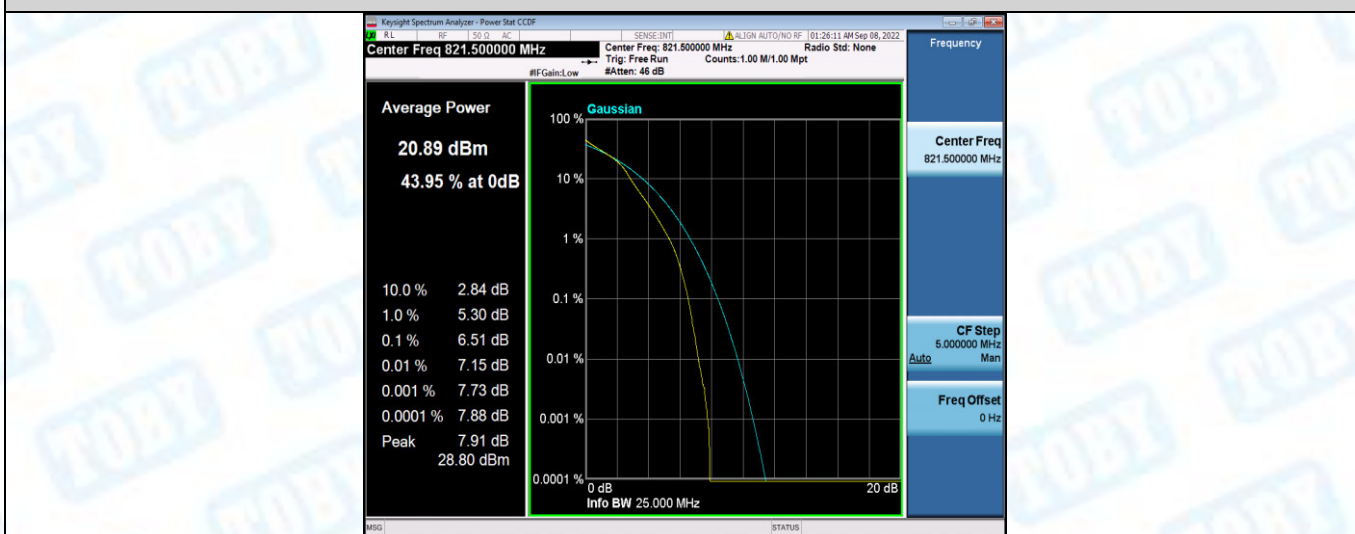
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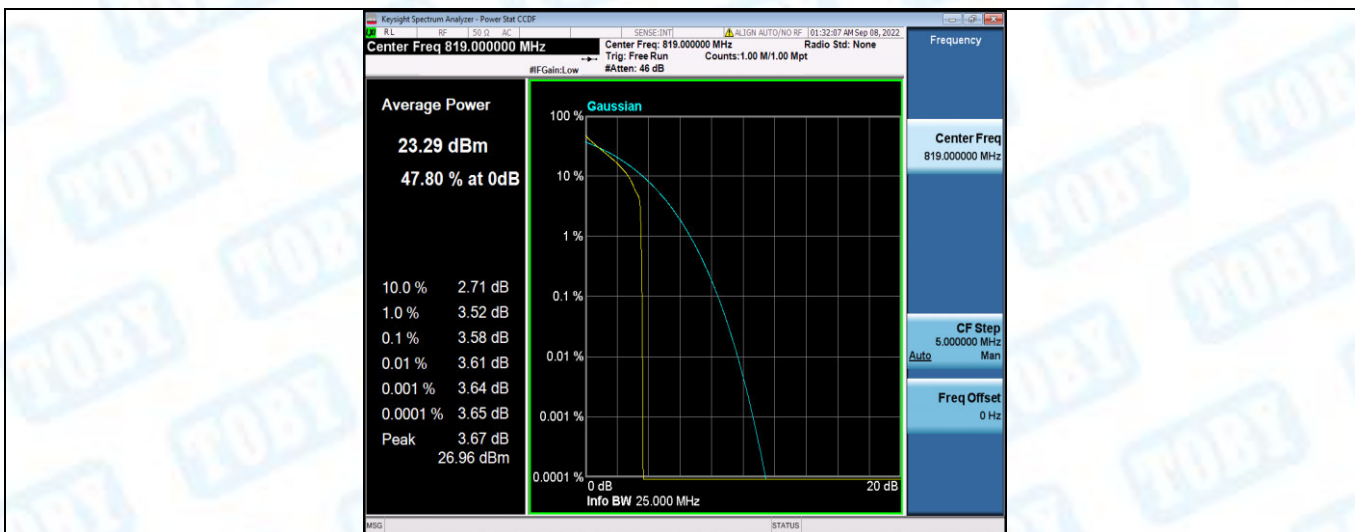
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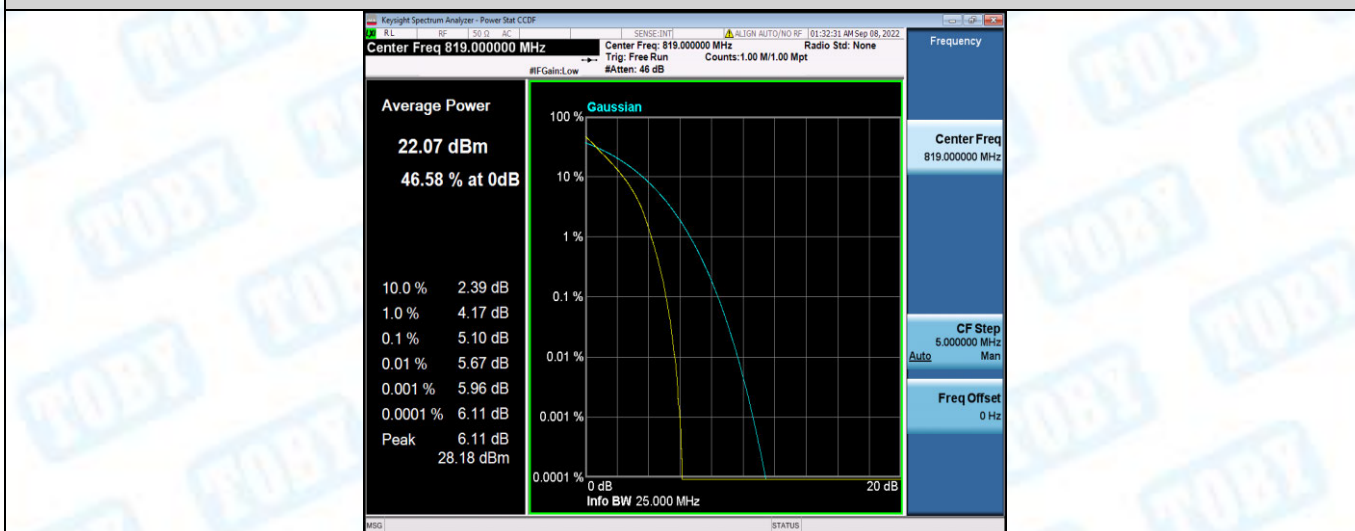
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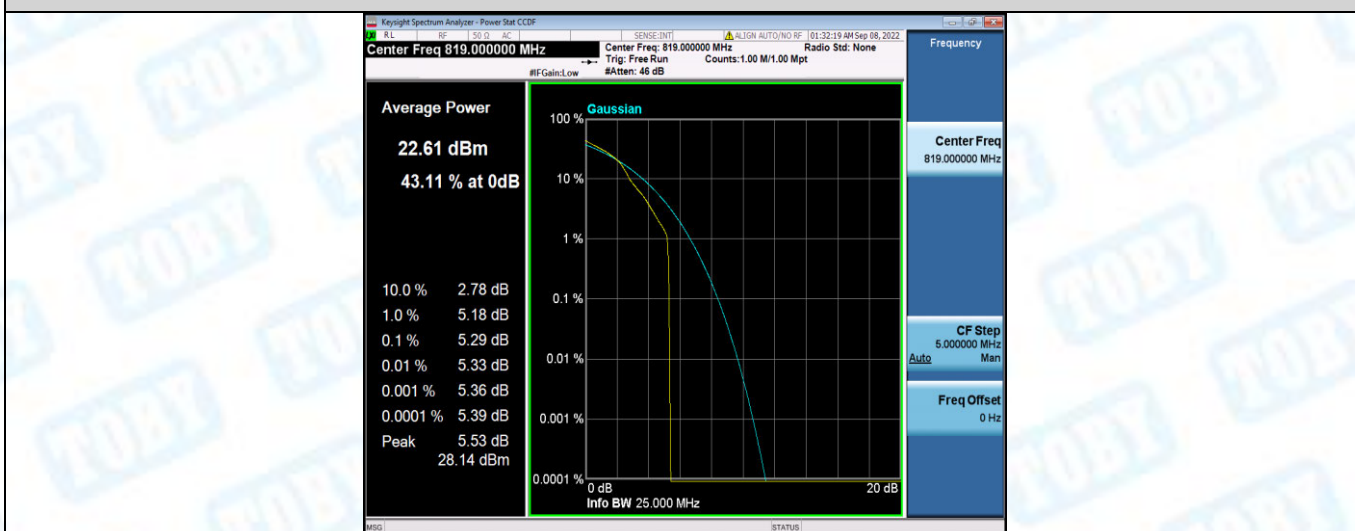
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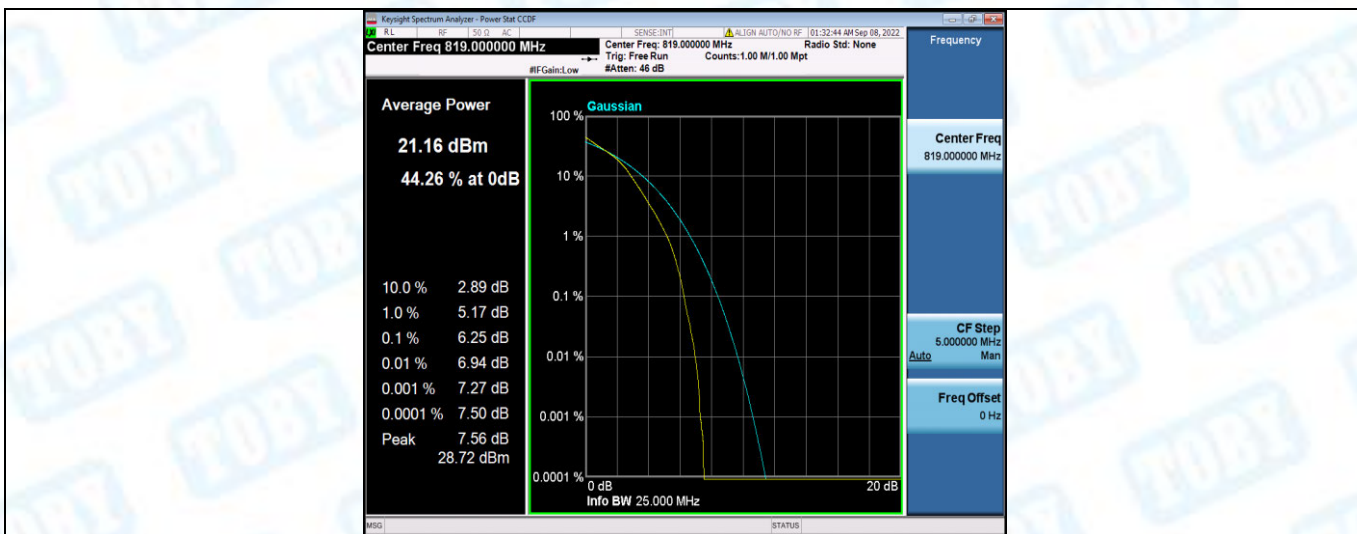
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Band26-10MHz-16QAM-26740-1RB#0



Band26-10MHz-16QAM-26740-50RB#0



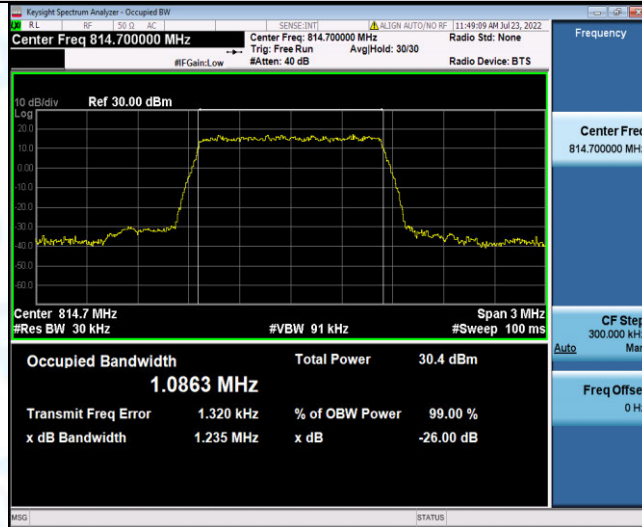
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.0863	1.235	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.0954	1.232	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.0884	1.242	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.0934	1.243	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.0913	1.237	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.0941	1.240	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.7035	2.967	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.6996	2.982	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.7021	2.990	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.6997	2.978	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.6965	3.002	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.6993	2.988	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.5240	4.982	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.5023	4.975	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.5073	4.998	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.4990	4.952	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.5168	5.003	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.5227	4.967	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.9933	9.845	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.9855	9.803	PASS

Test Graphs

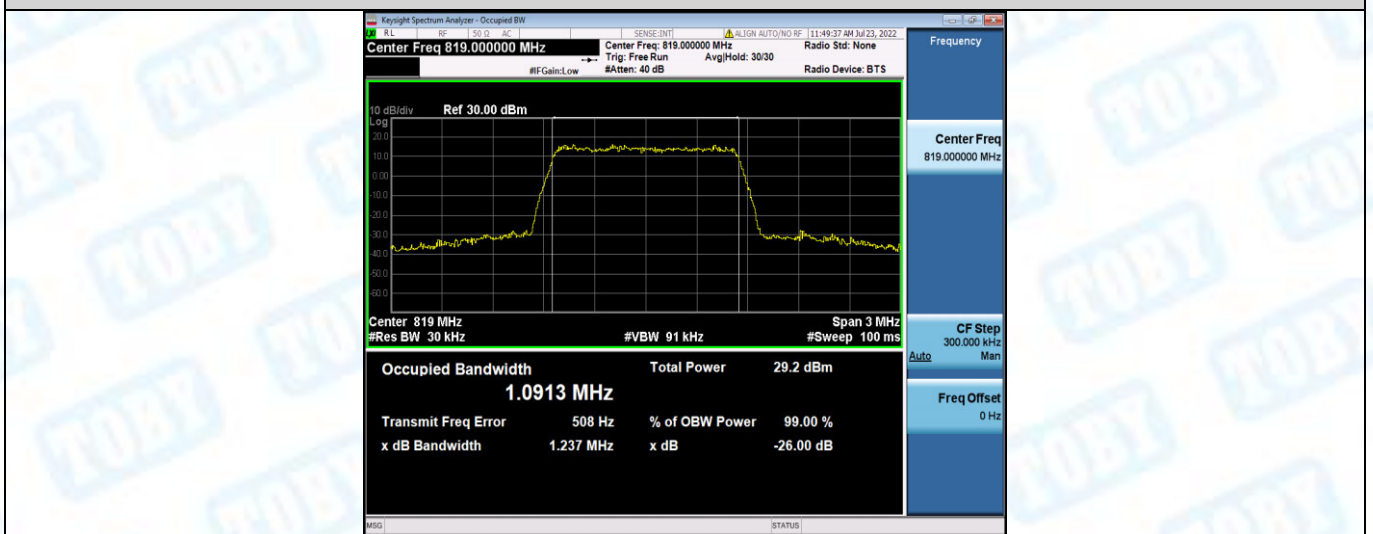
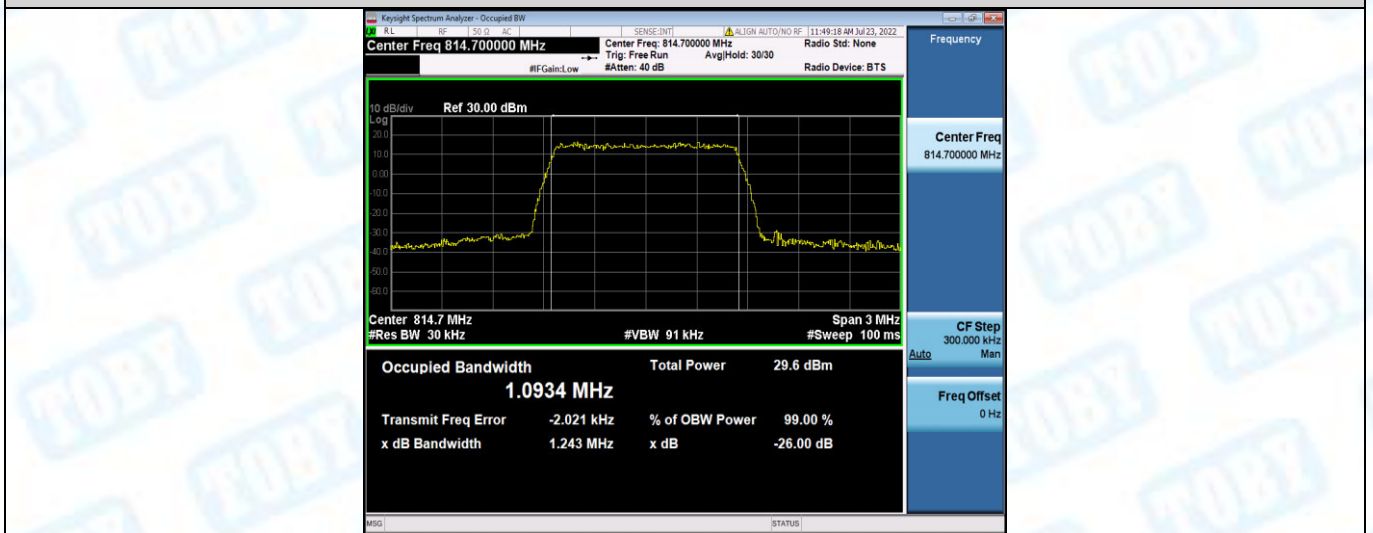
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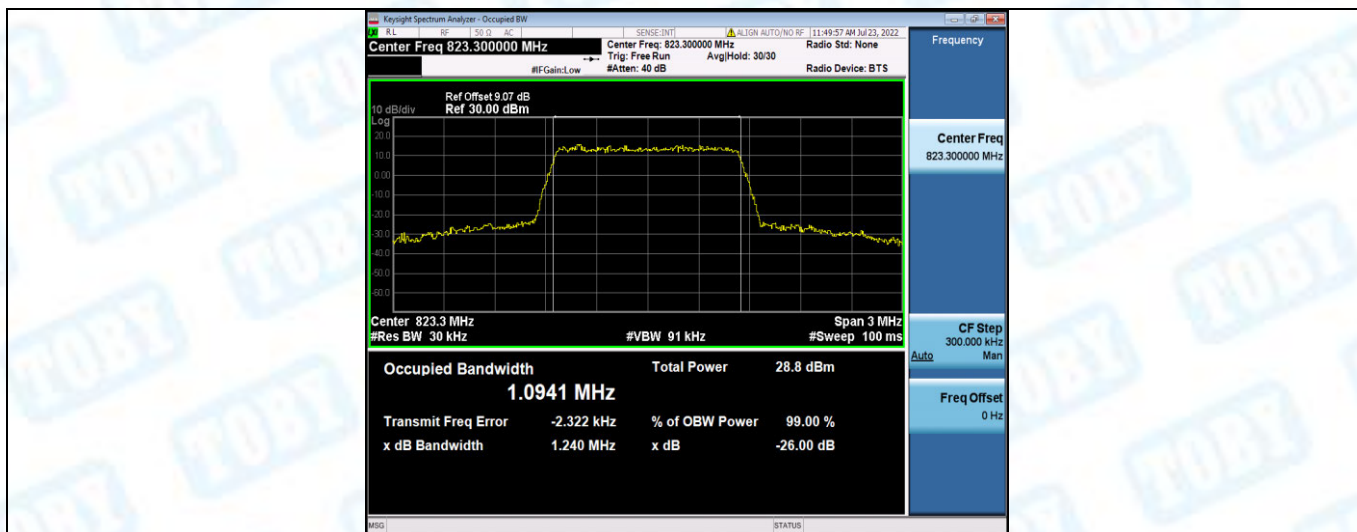


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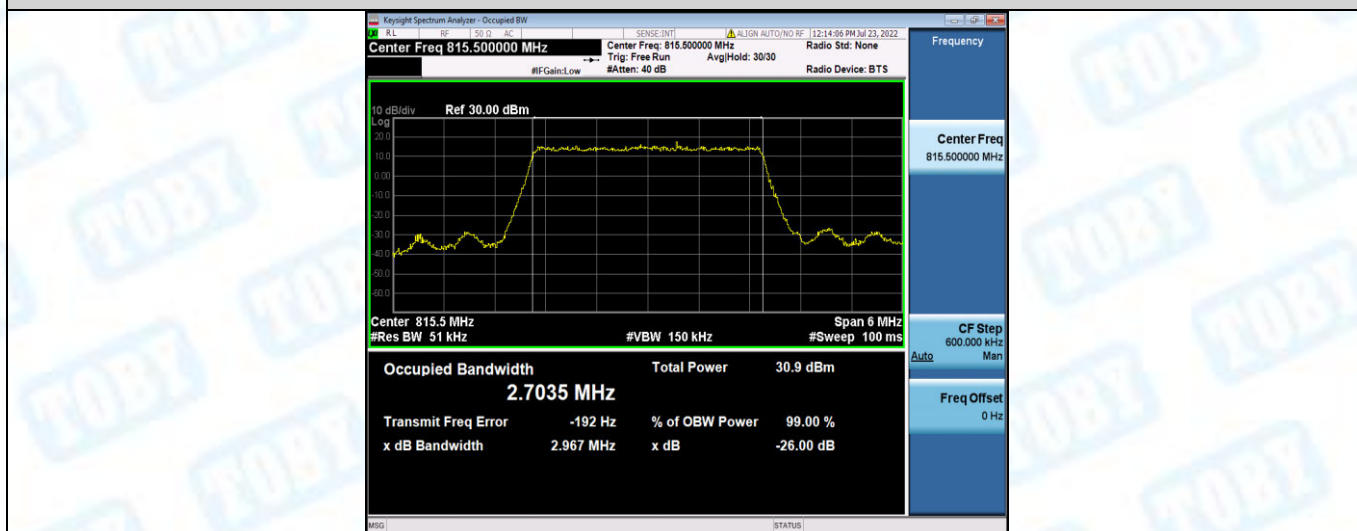


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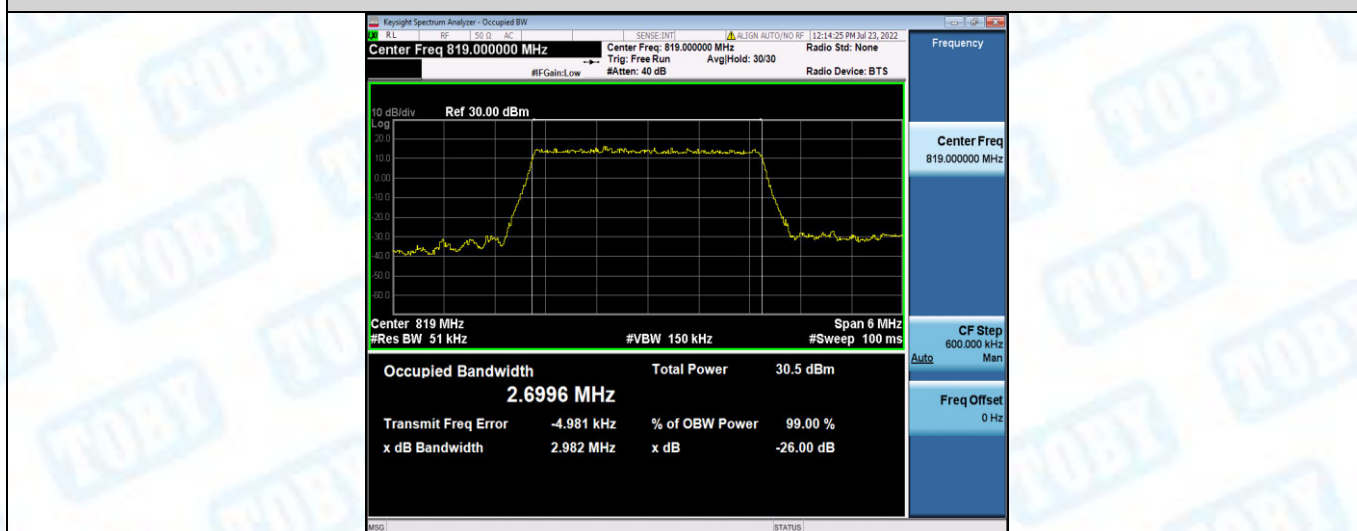




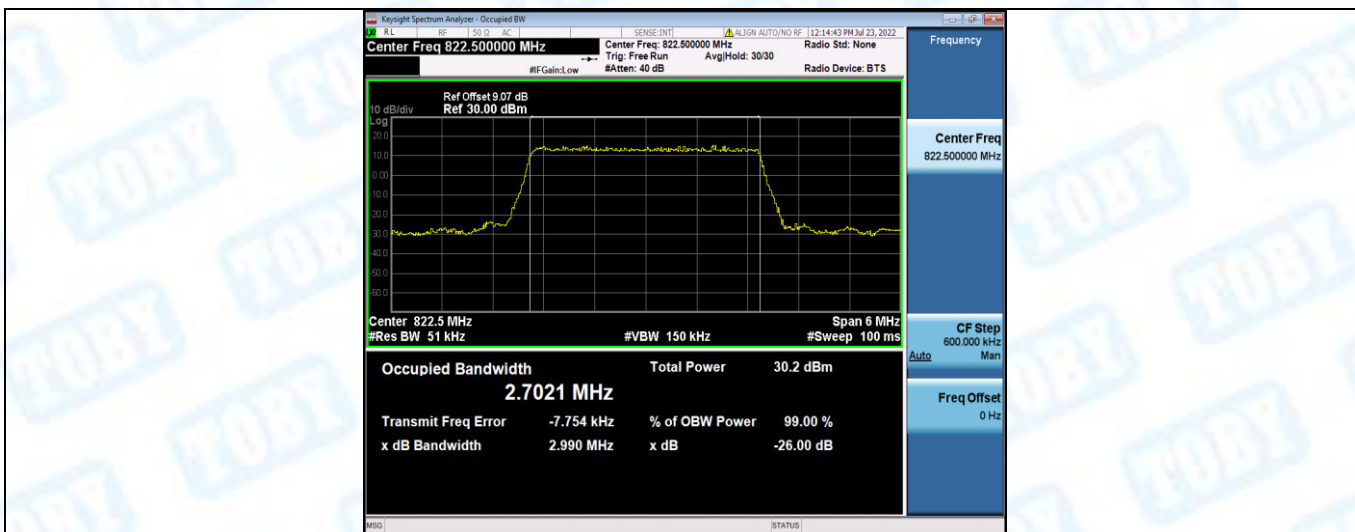
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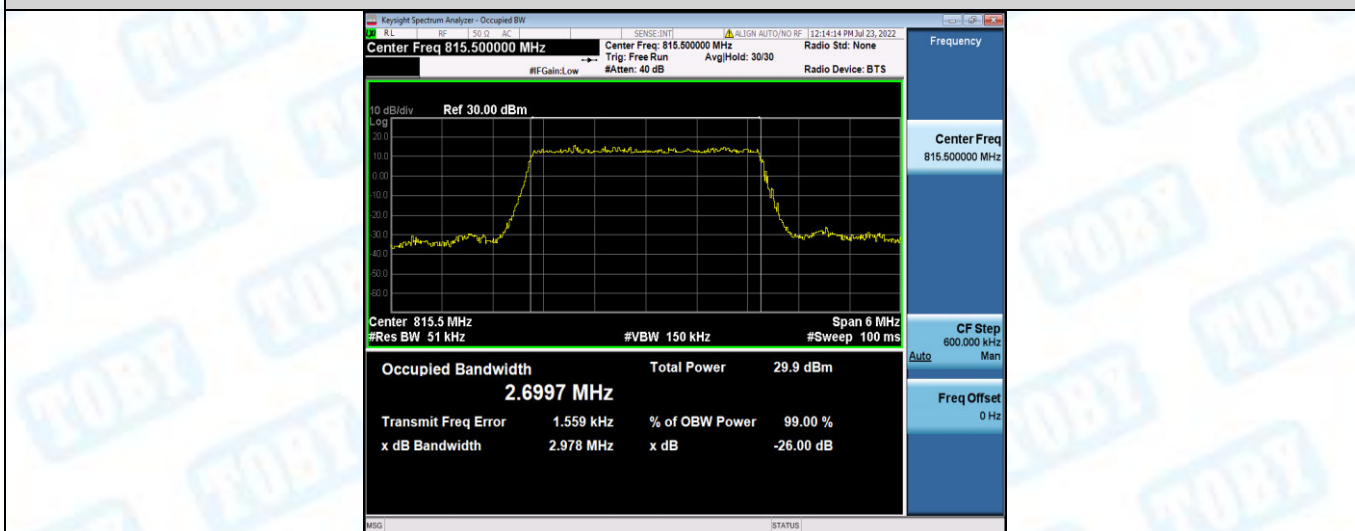
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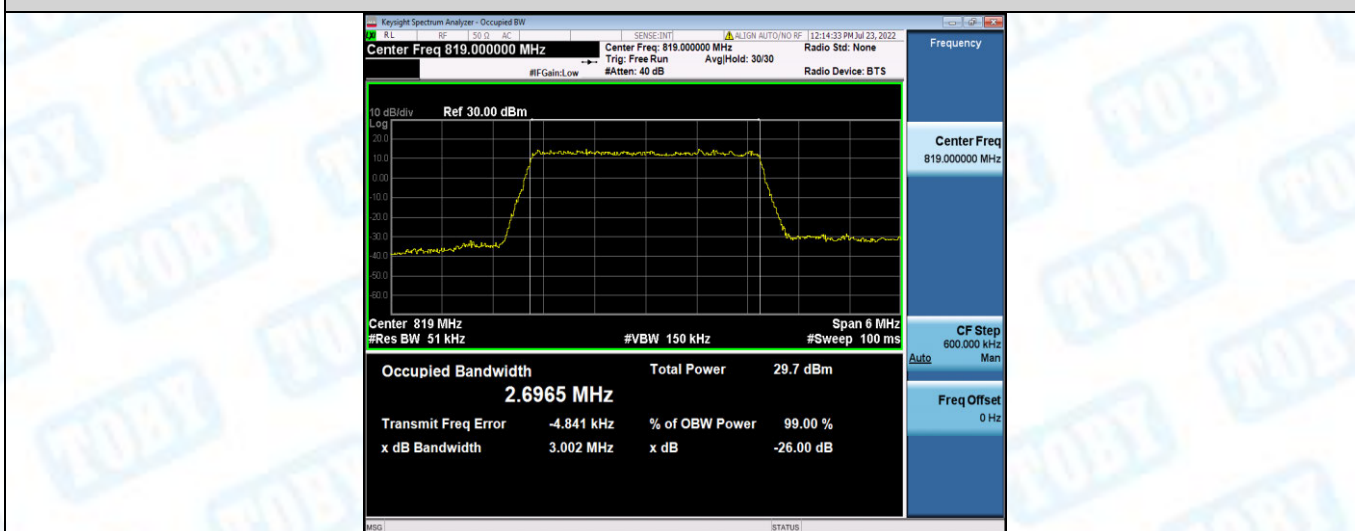
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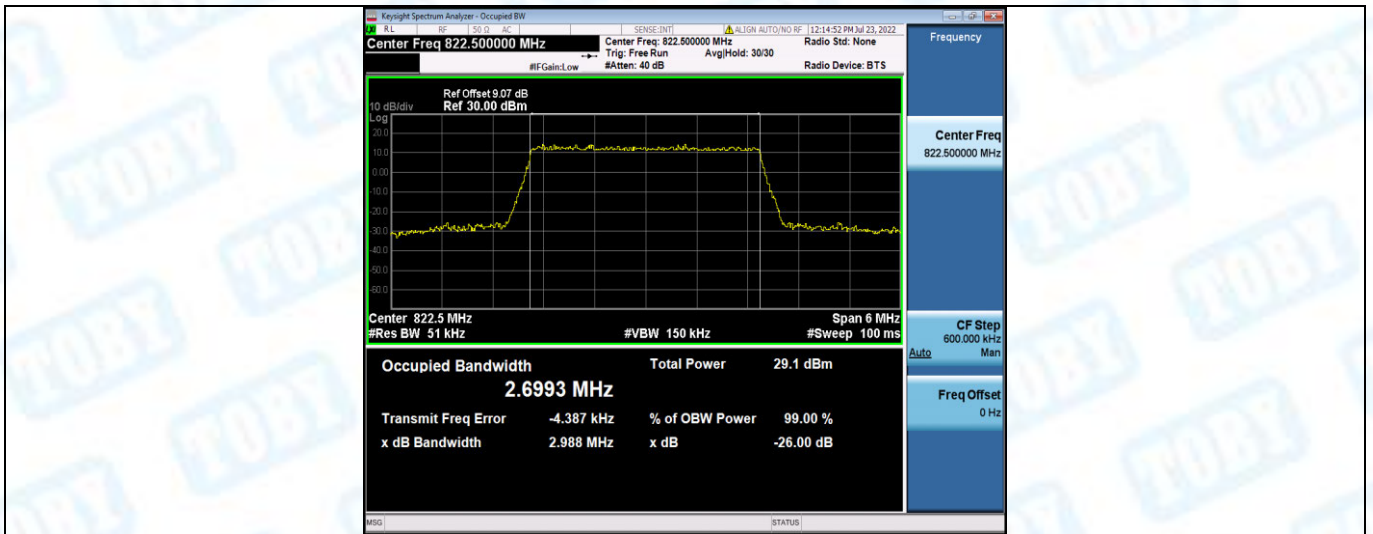
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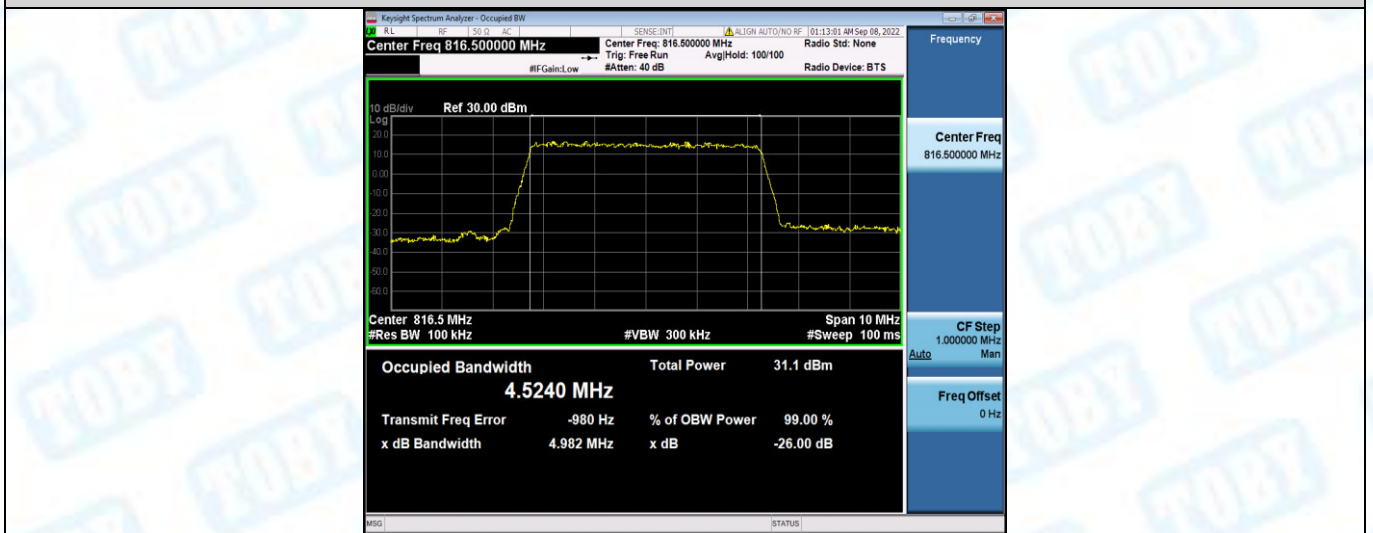
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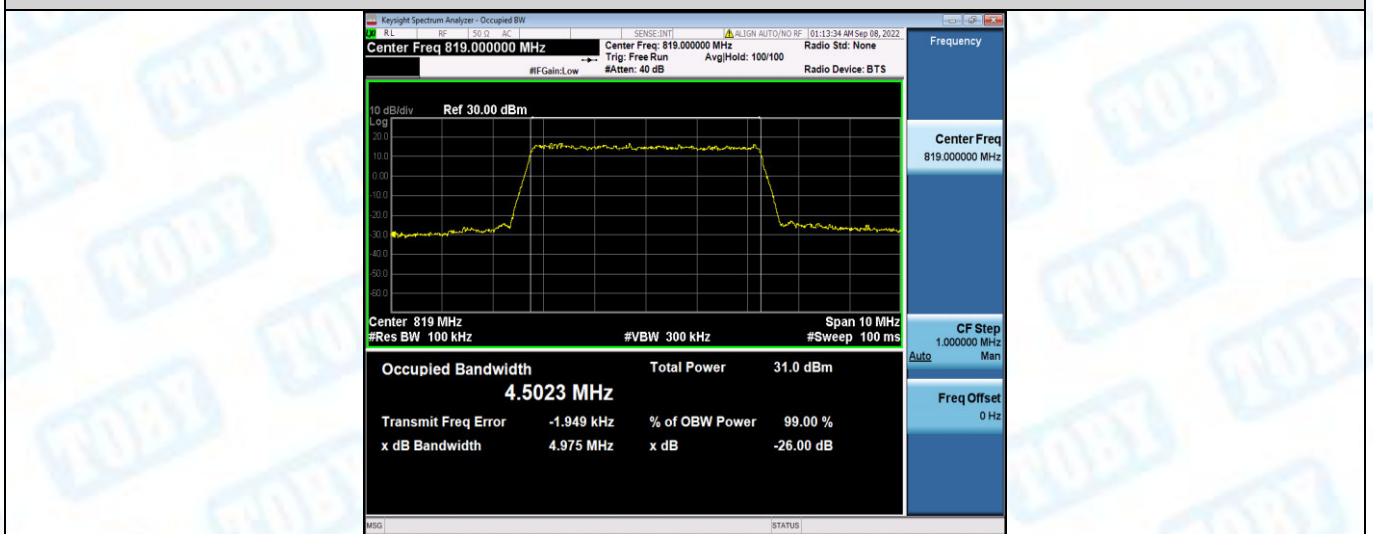
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Band26-5MHz-QPSK-26715-25RB#0



Band26-5MHz-QPSK-26740-25RB#0



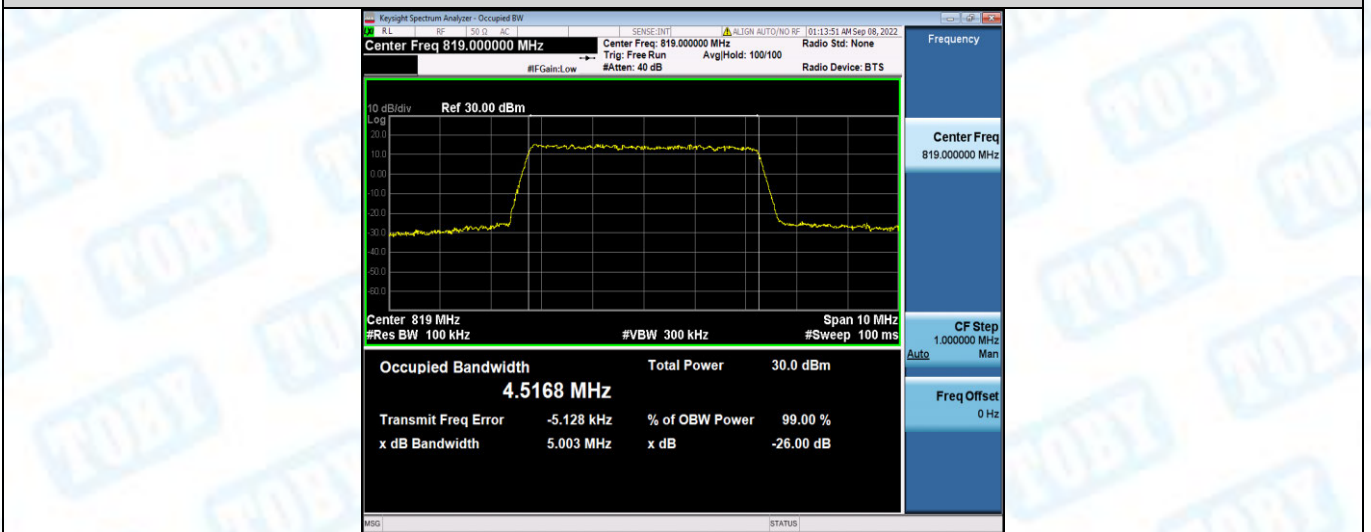
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Band26-5MHz-16QAM-26715-25RB#0



Band26-5MHz-16QAM-26740-25RB#0



Band26-5MHz-16QAM-26765-25RB#0