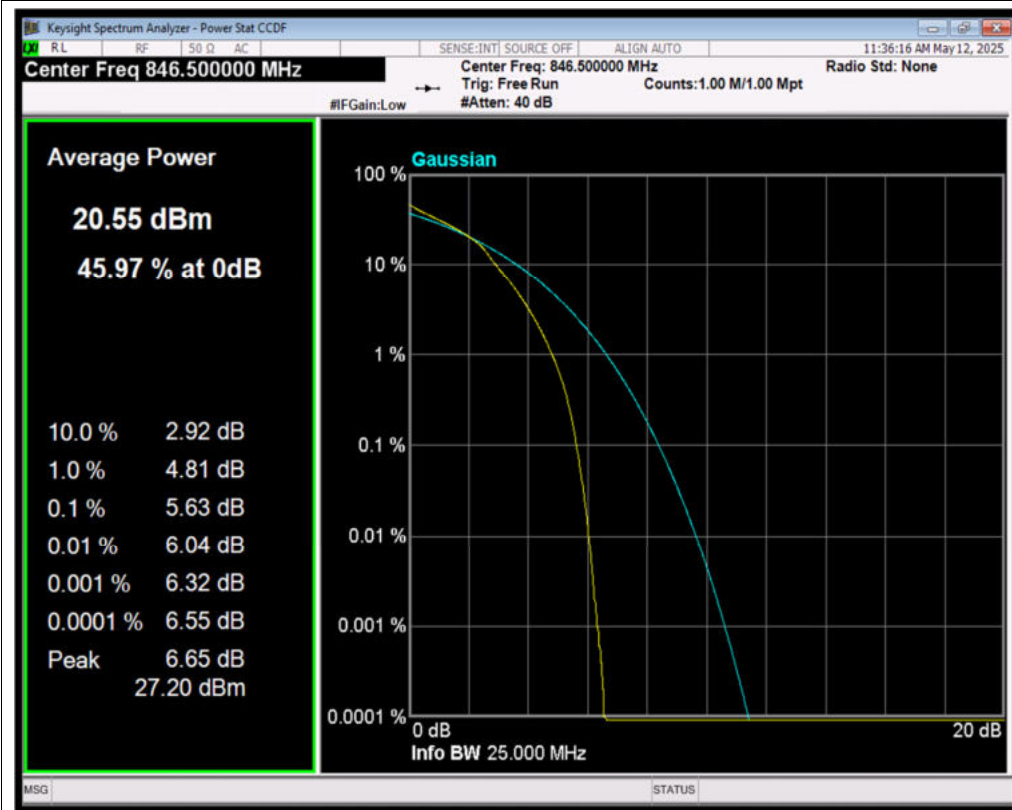
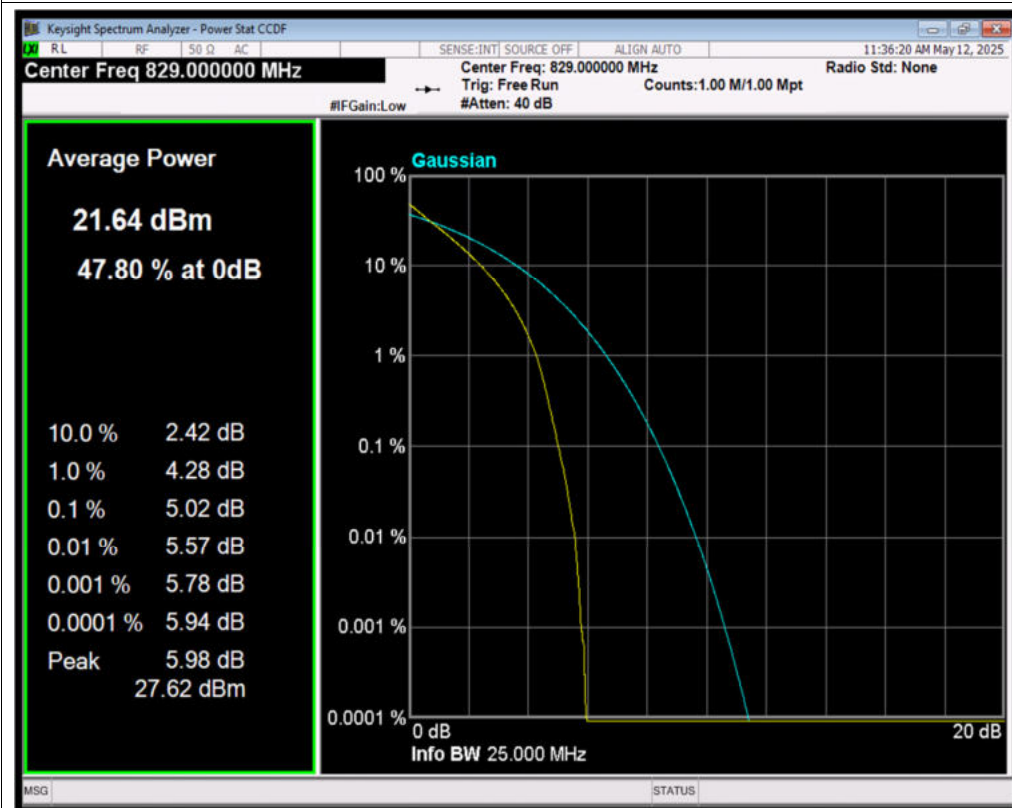
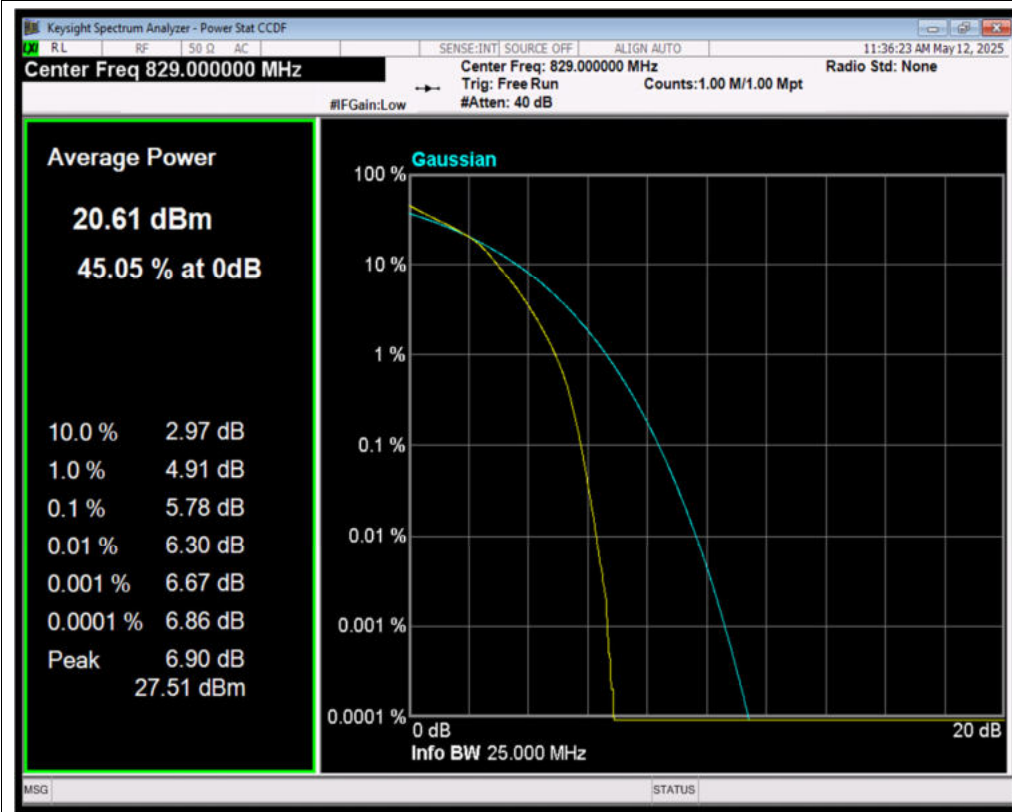




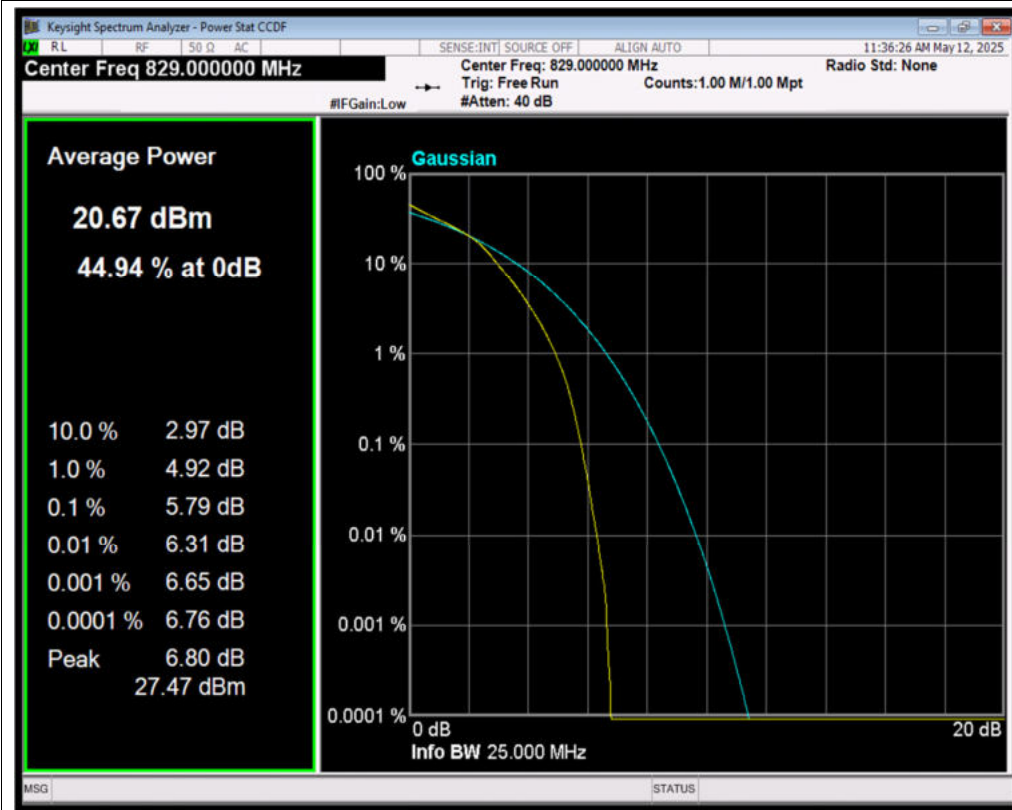
Band5 64QAM BW=5MHz Channel=20625 RB Size=25 Position=#0



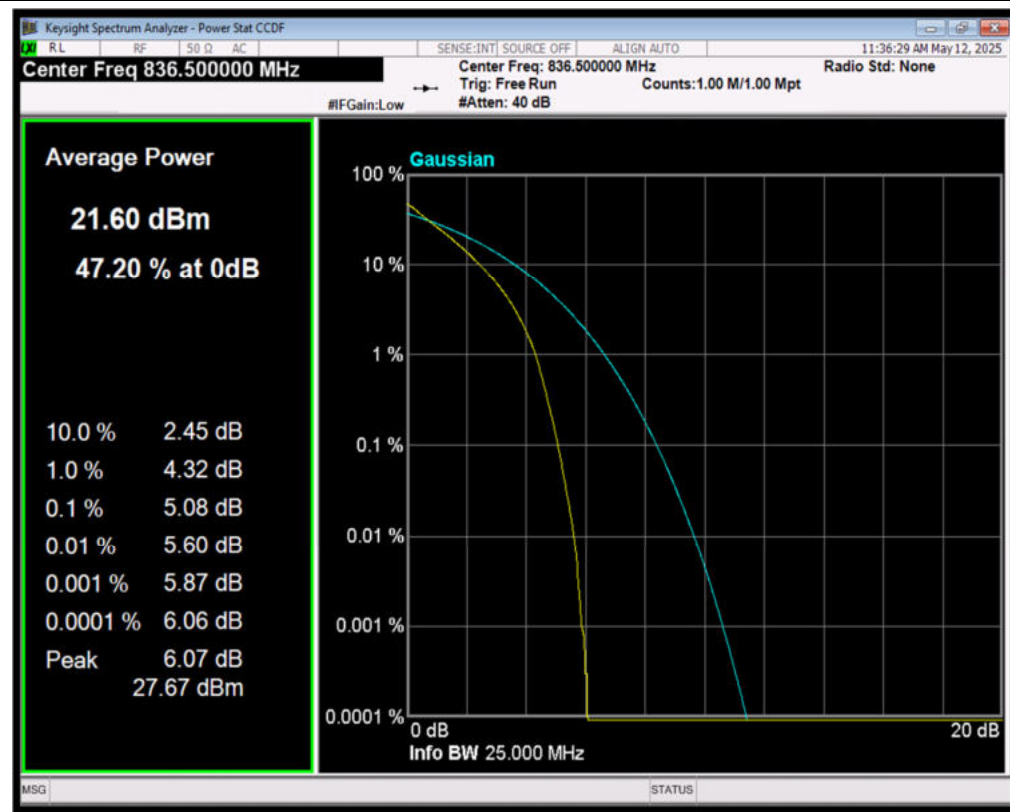
Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



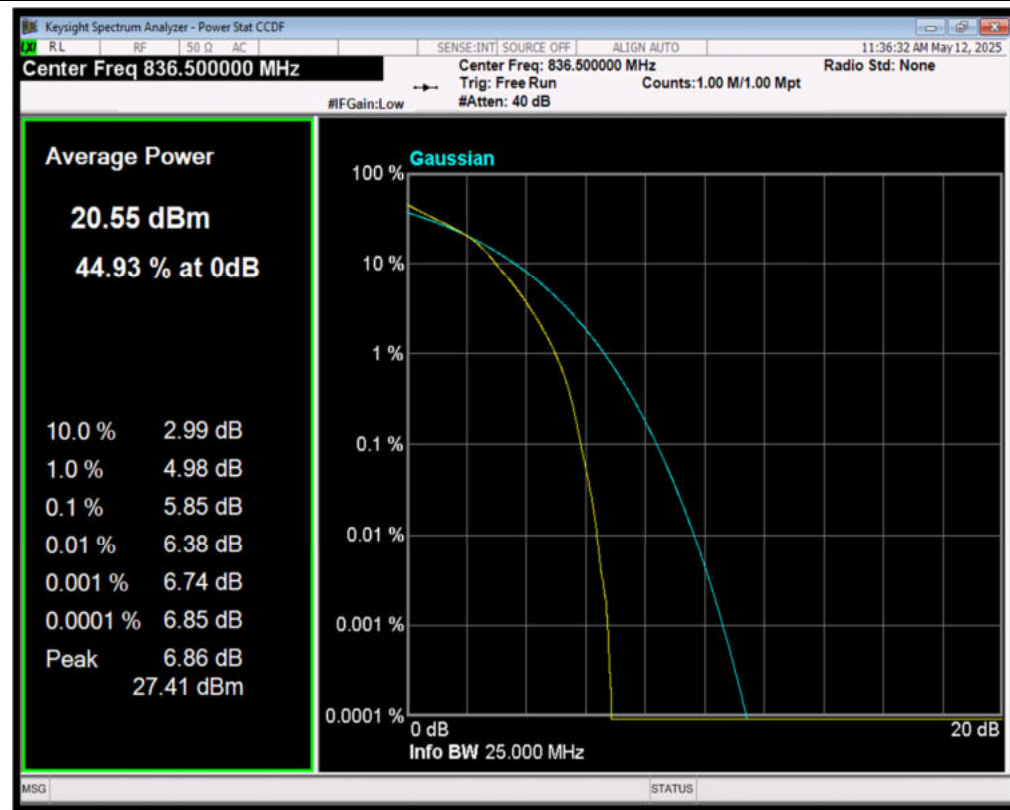
Band5 16QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



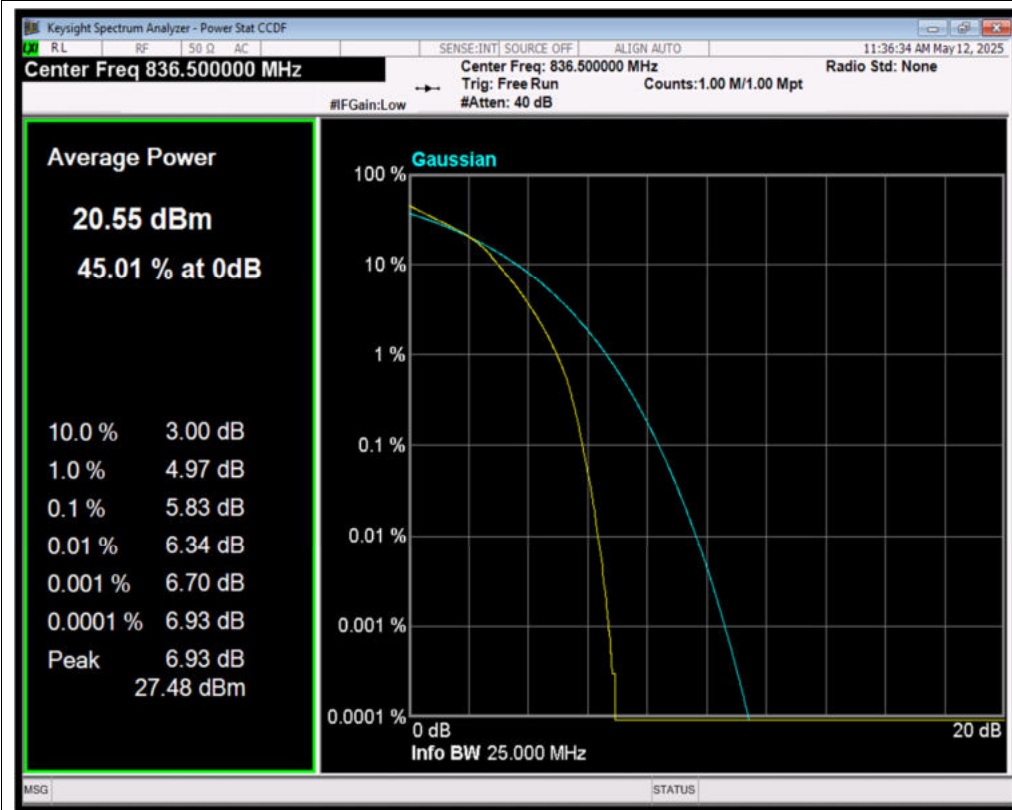
Band5 64QAM BW=10MHz Channel=20450 RB Size=50 Position=#0



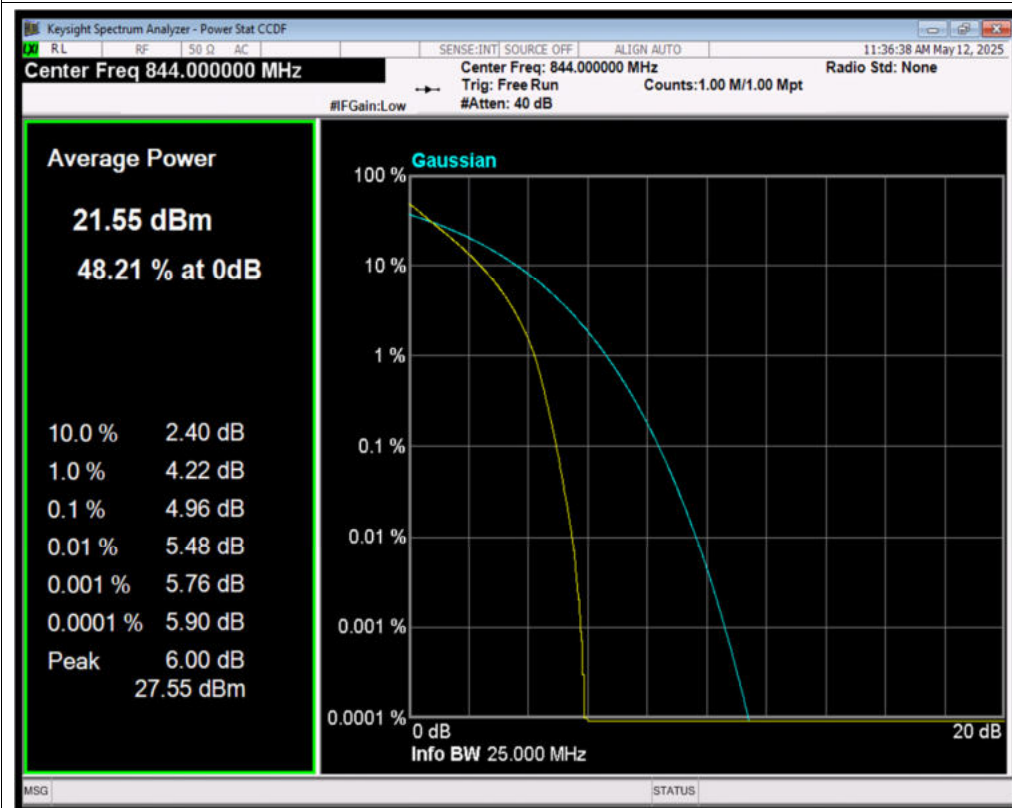
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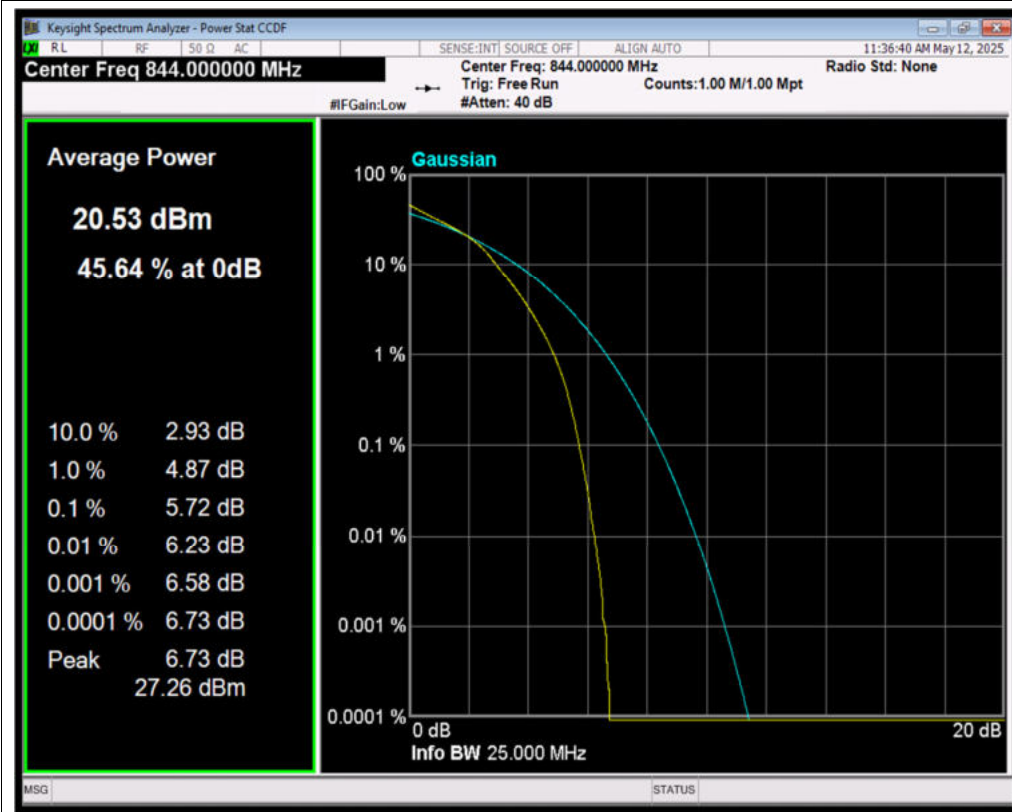
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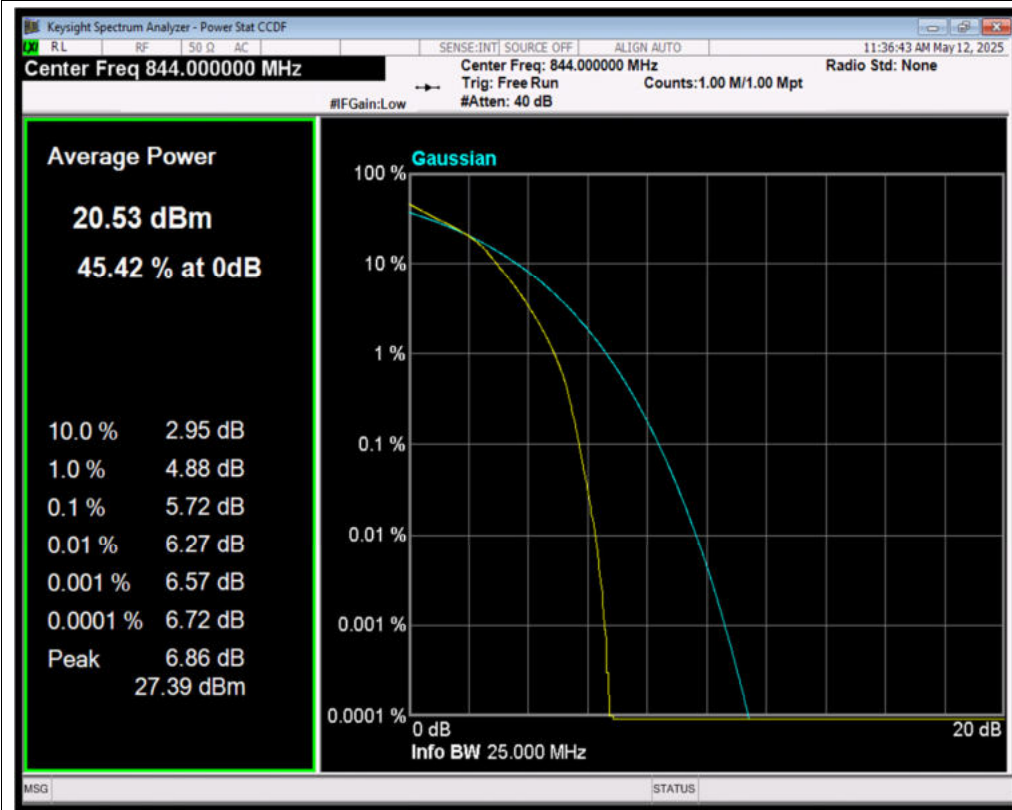
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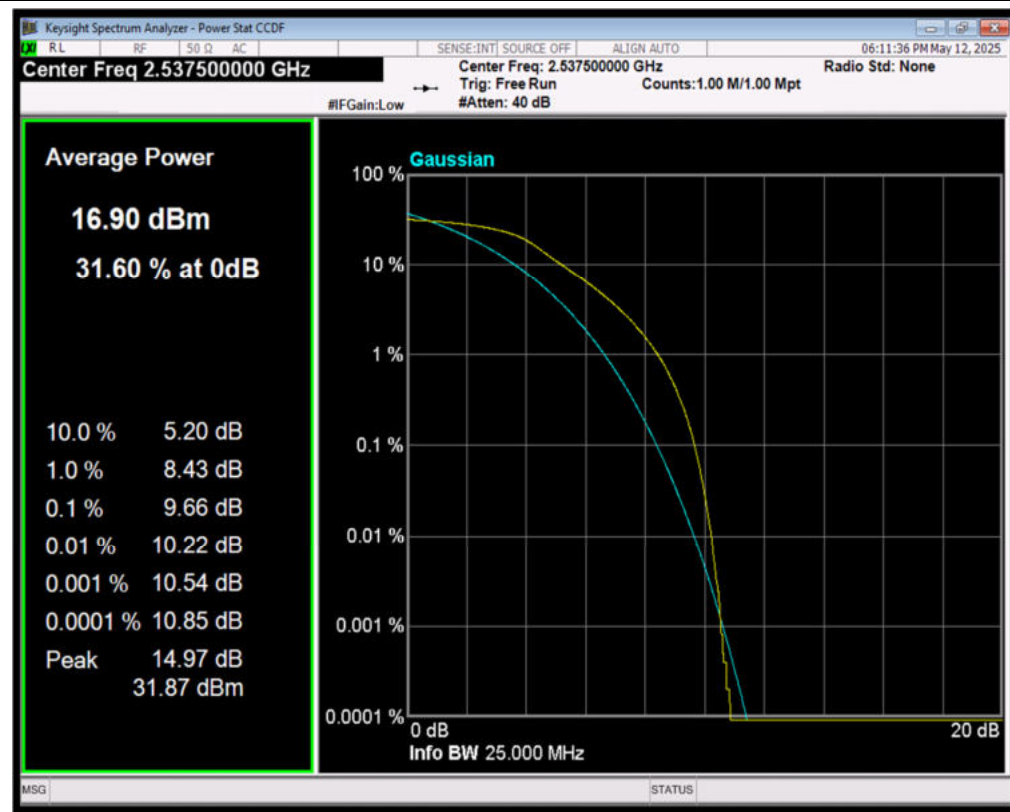
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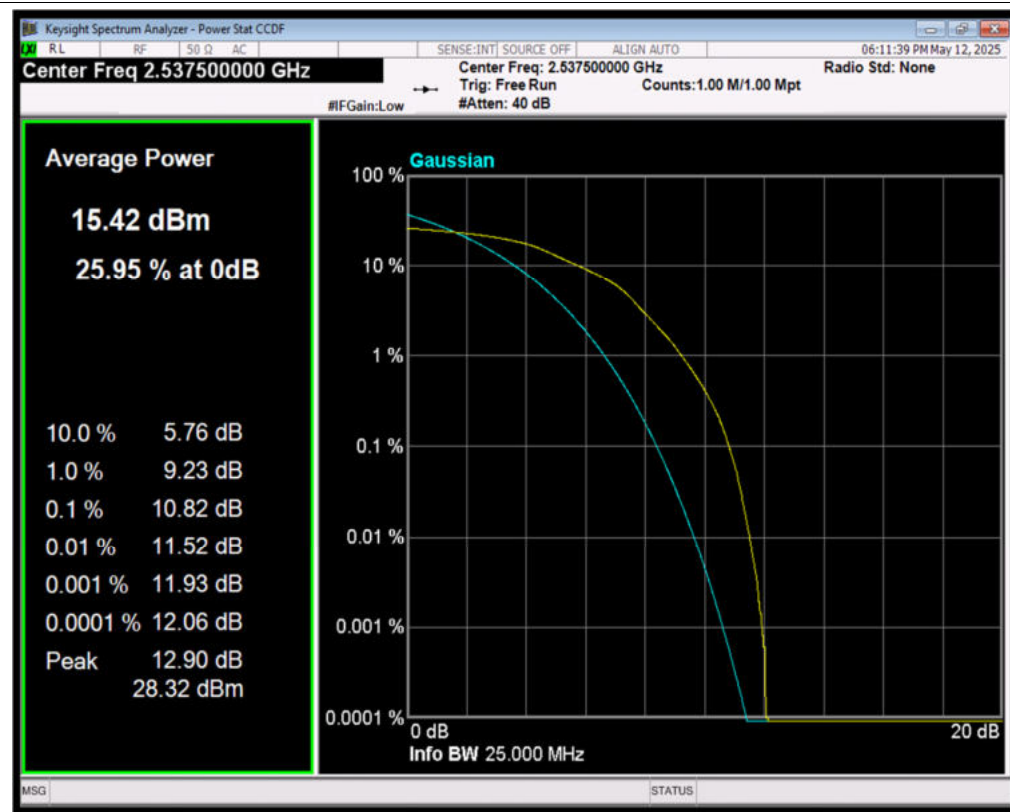
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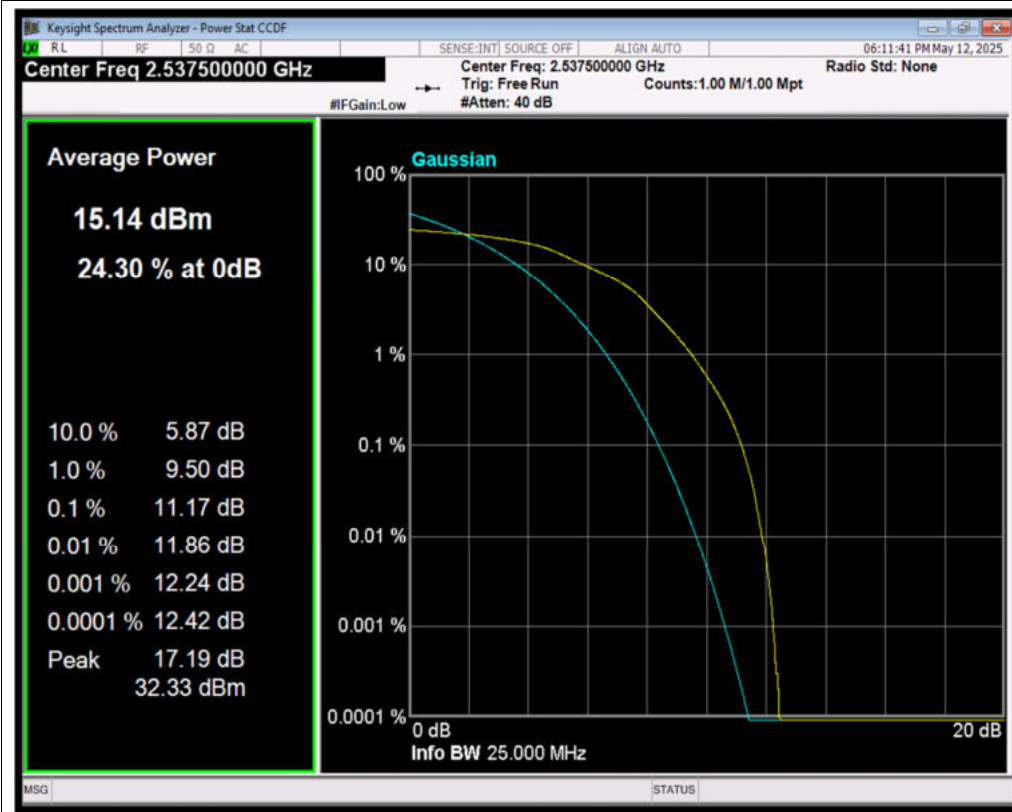
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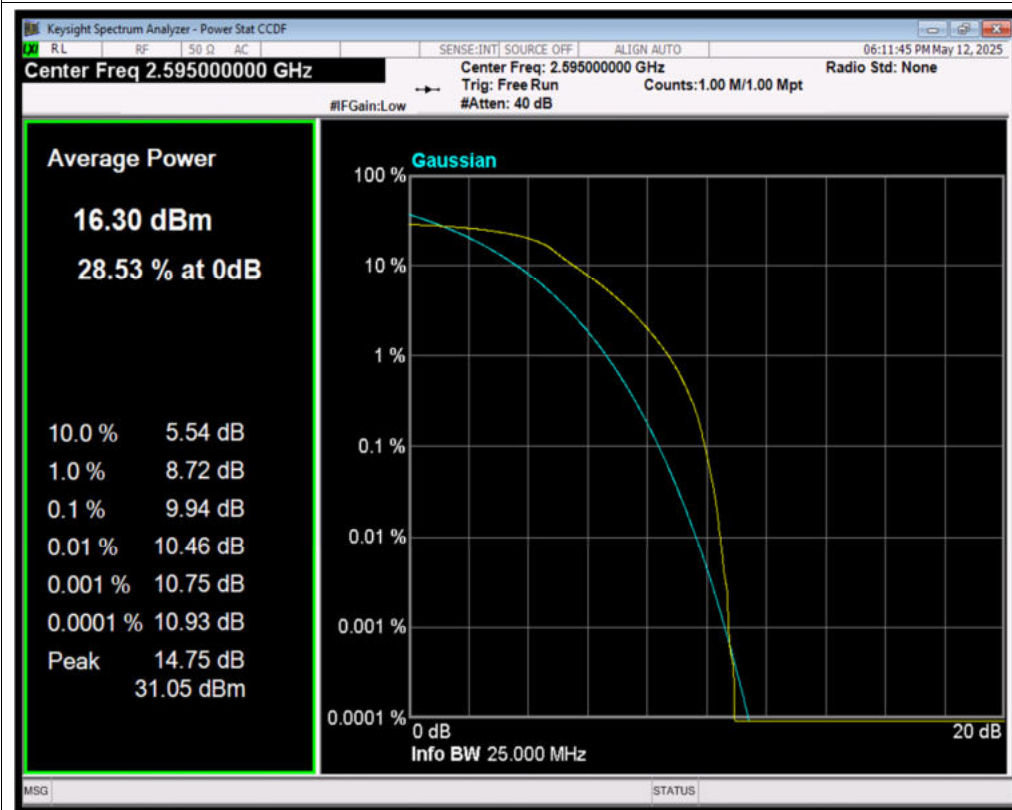
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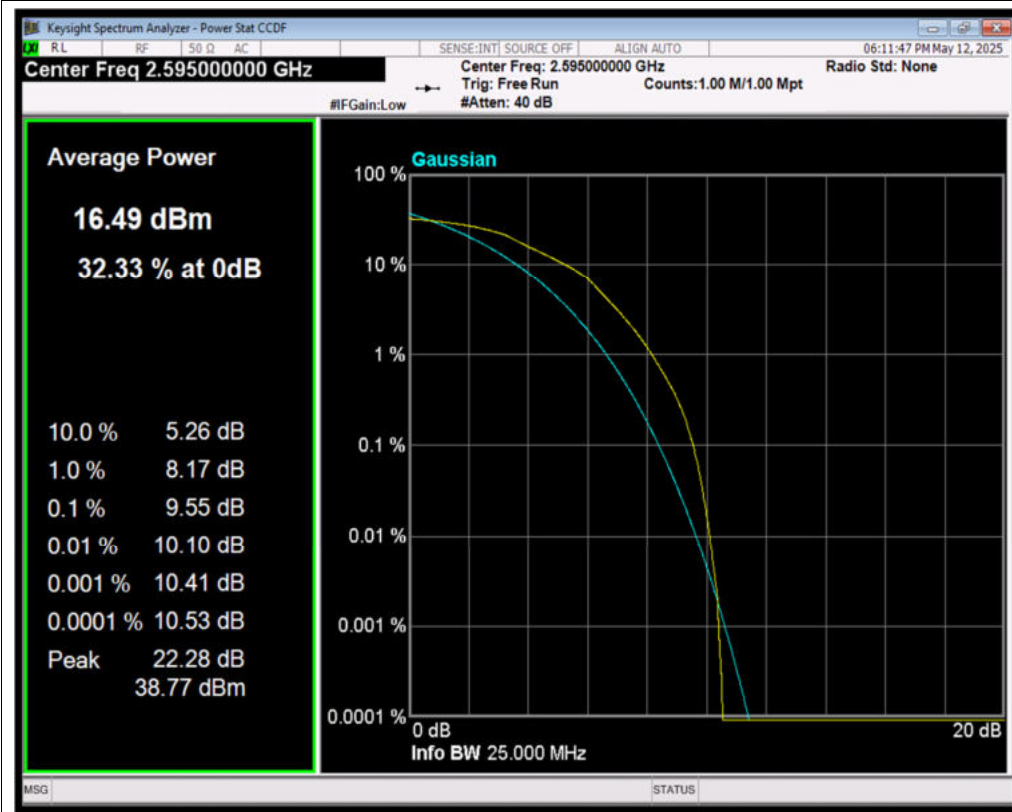
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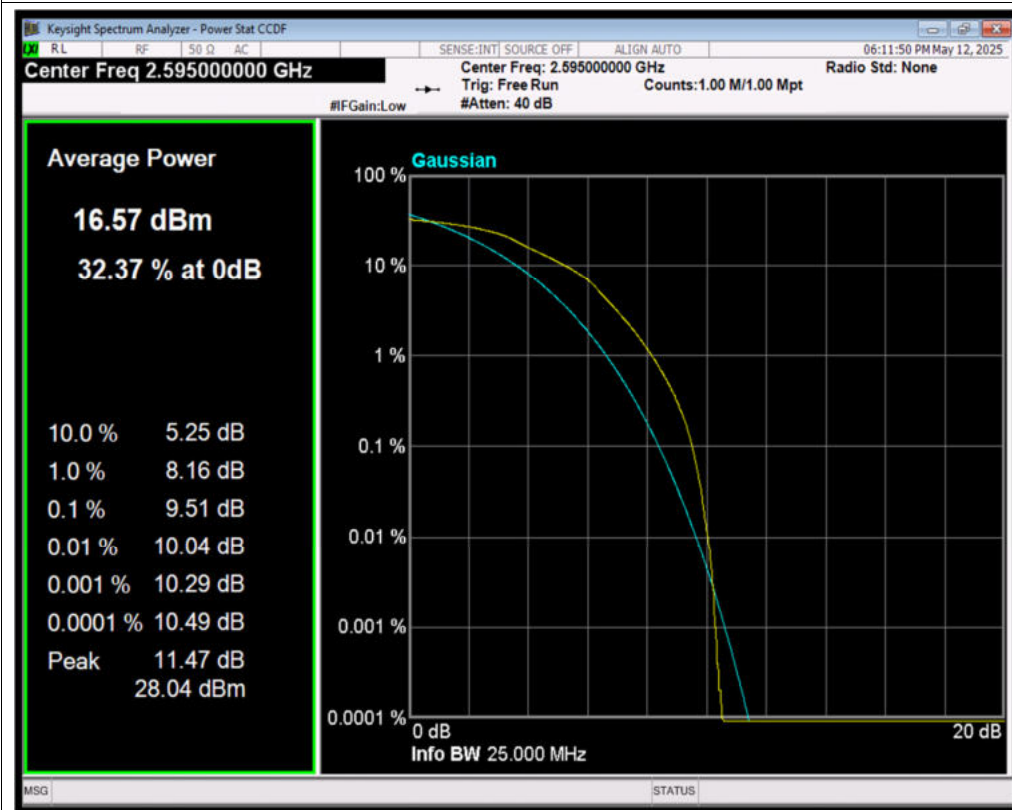
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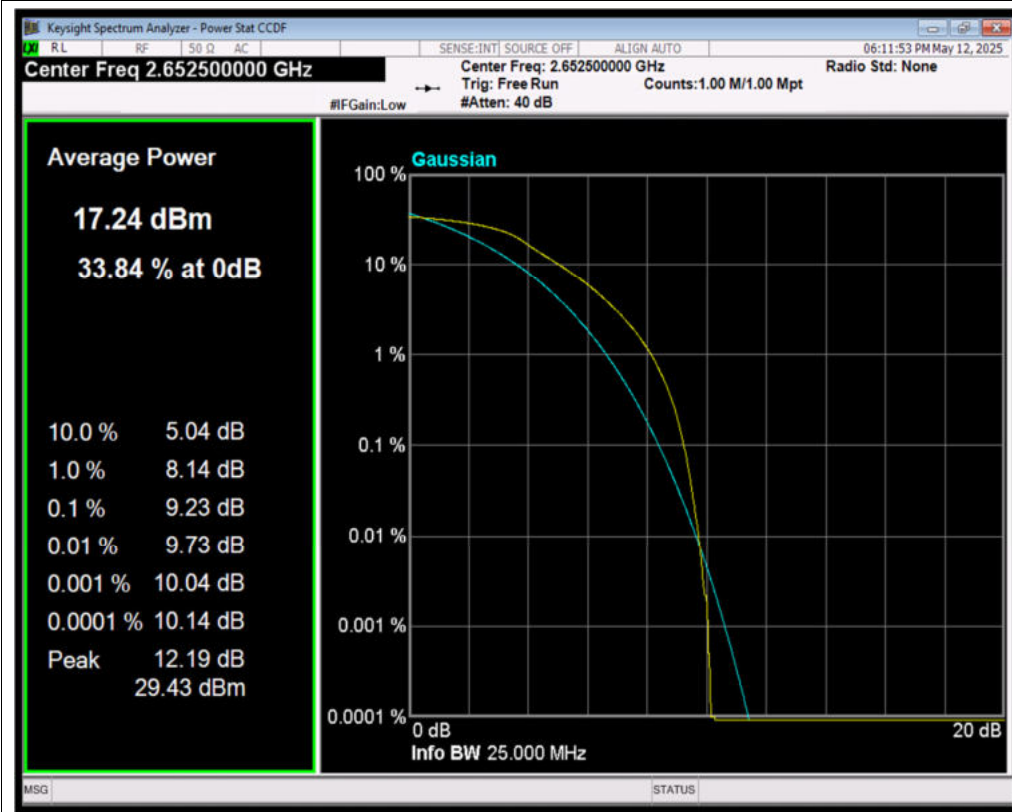
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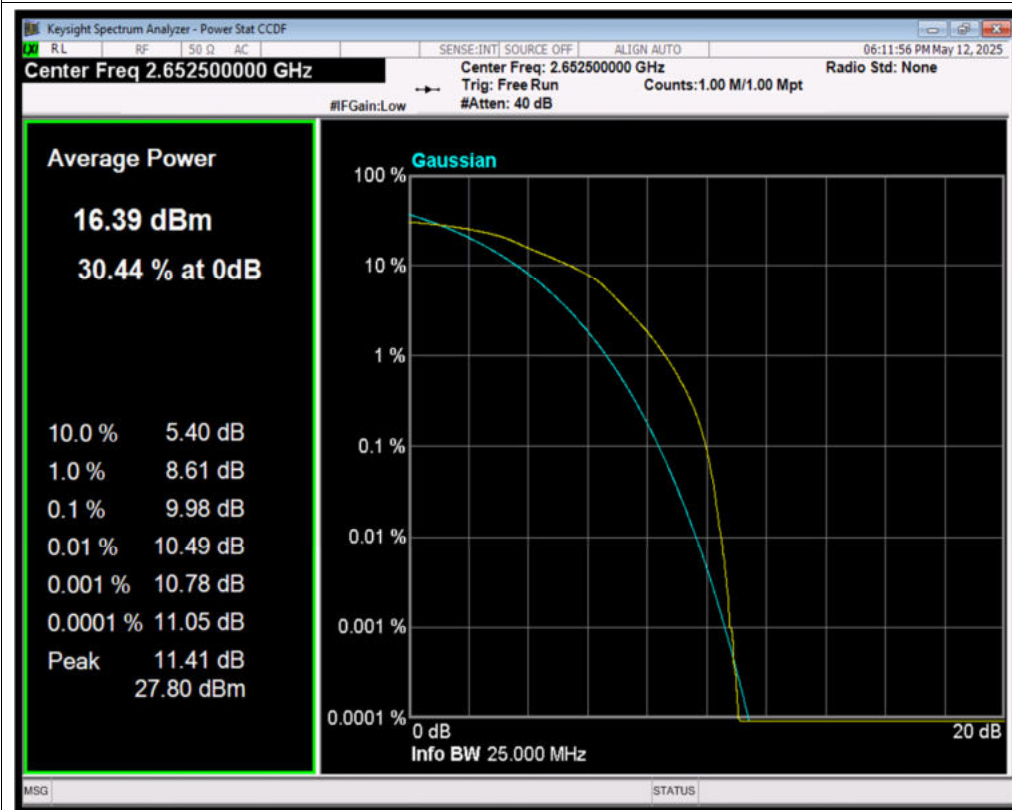
Band41(2535-2655) 16QAM BW=5MHz Channel=40640 RB Size=25 Position=#0



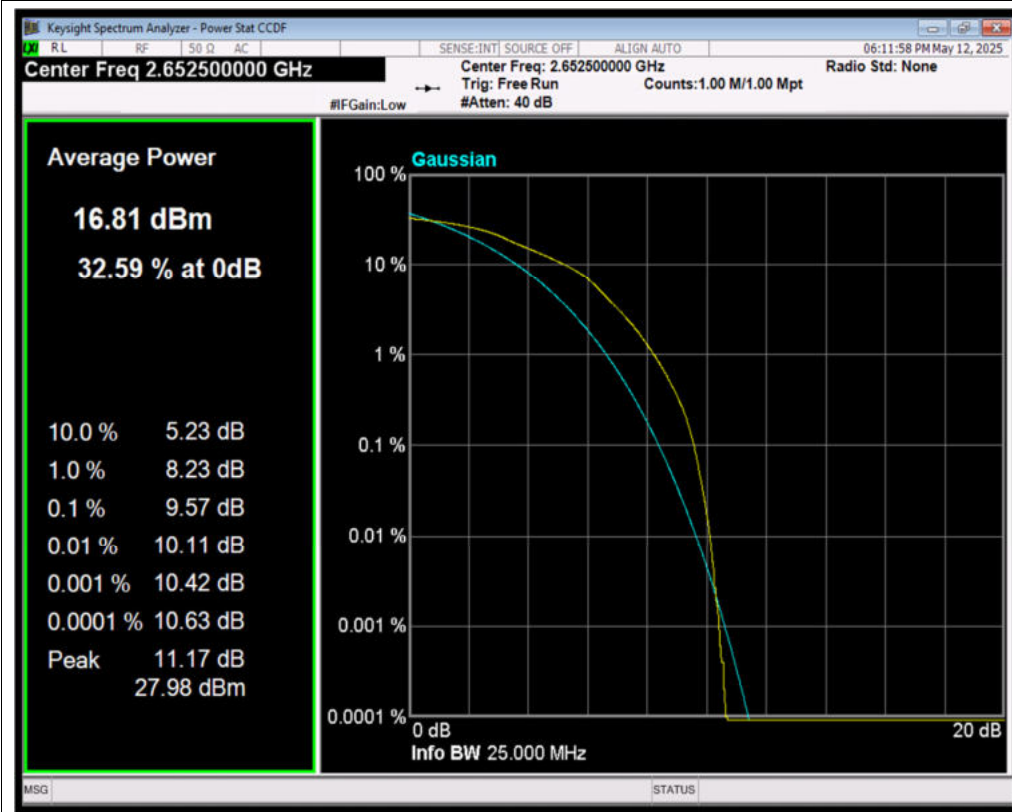
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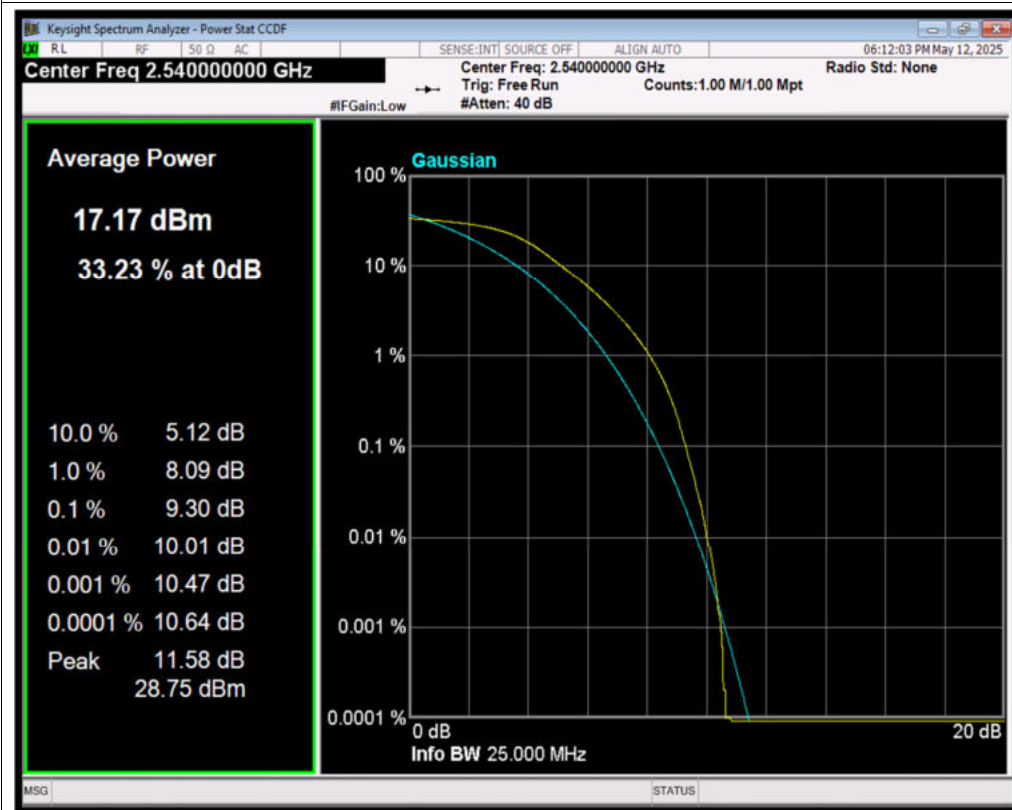
Band41(2535-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



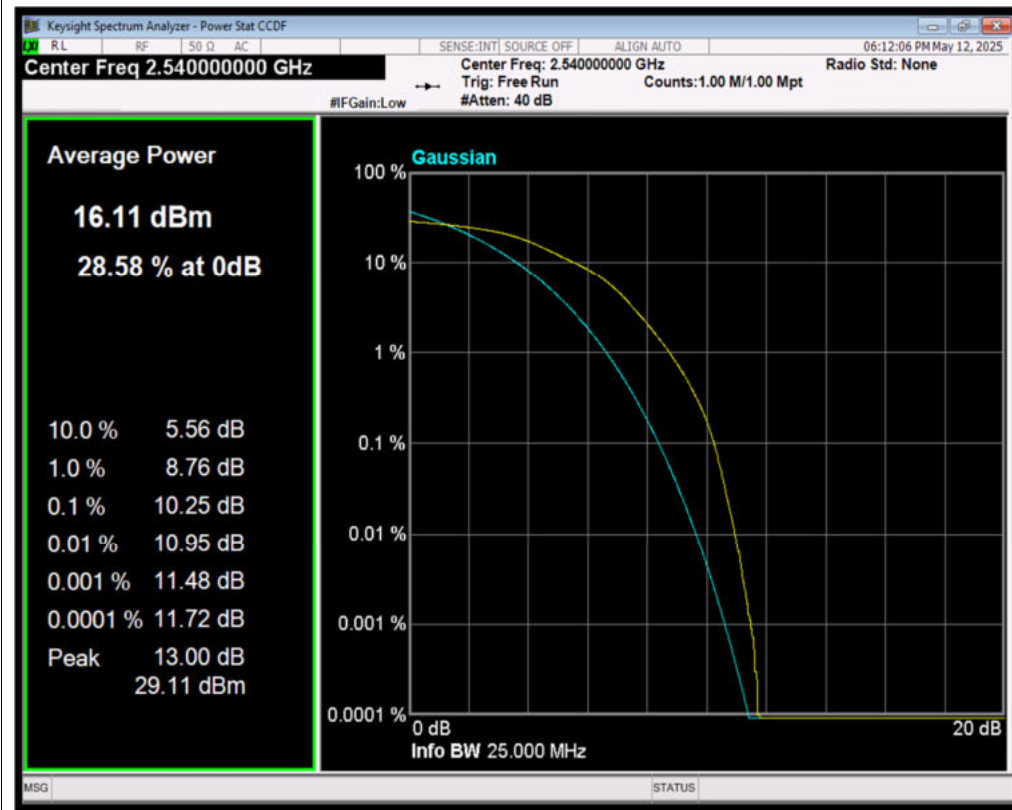
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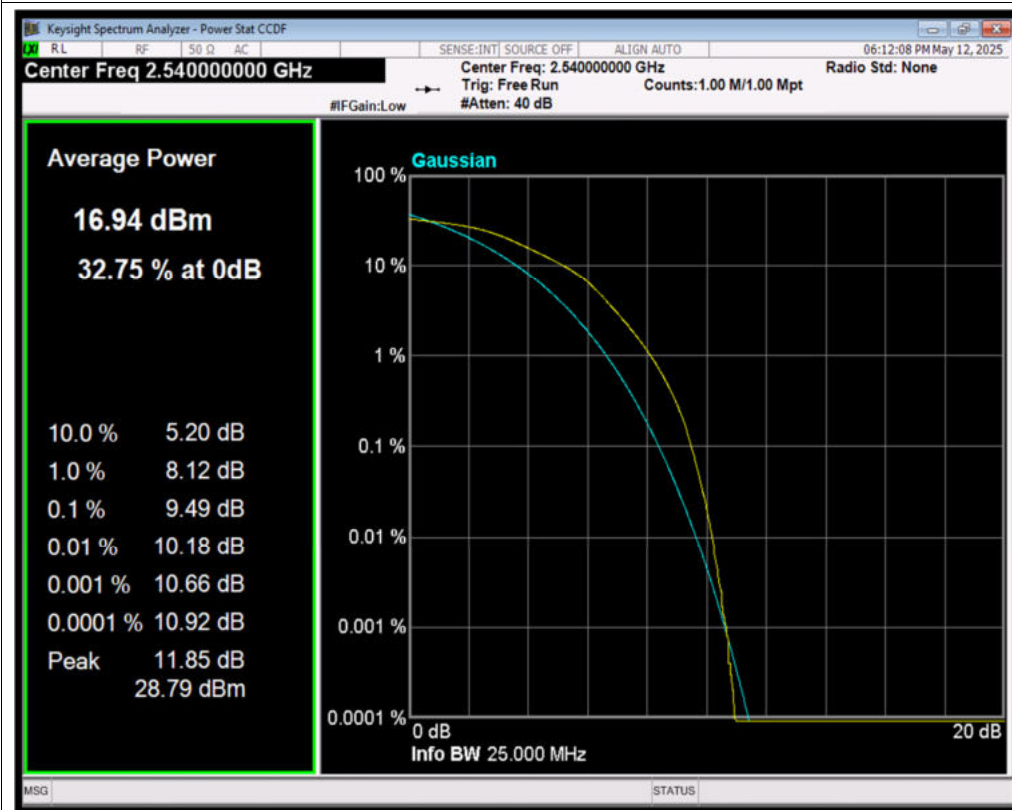
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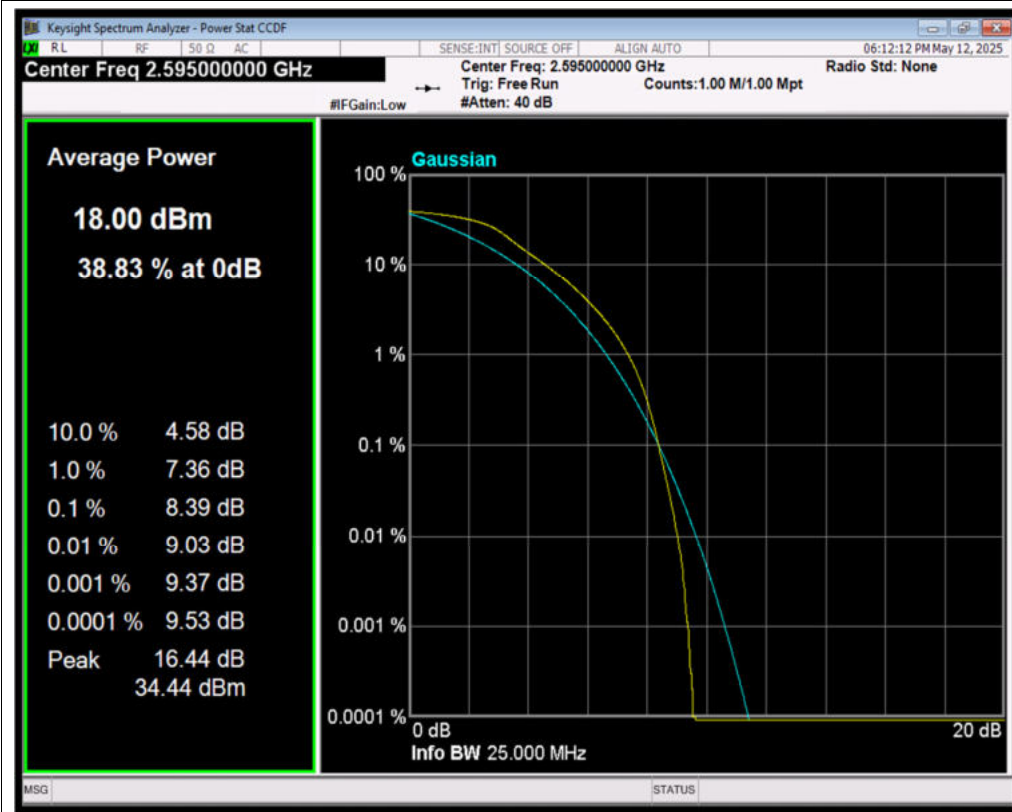
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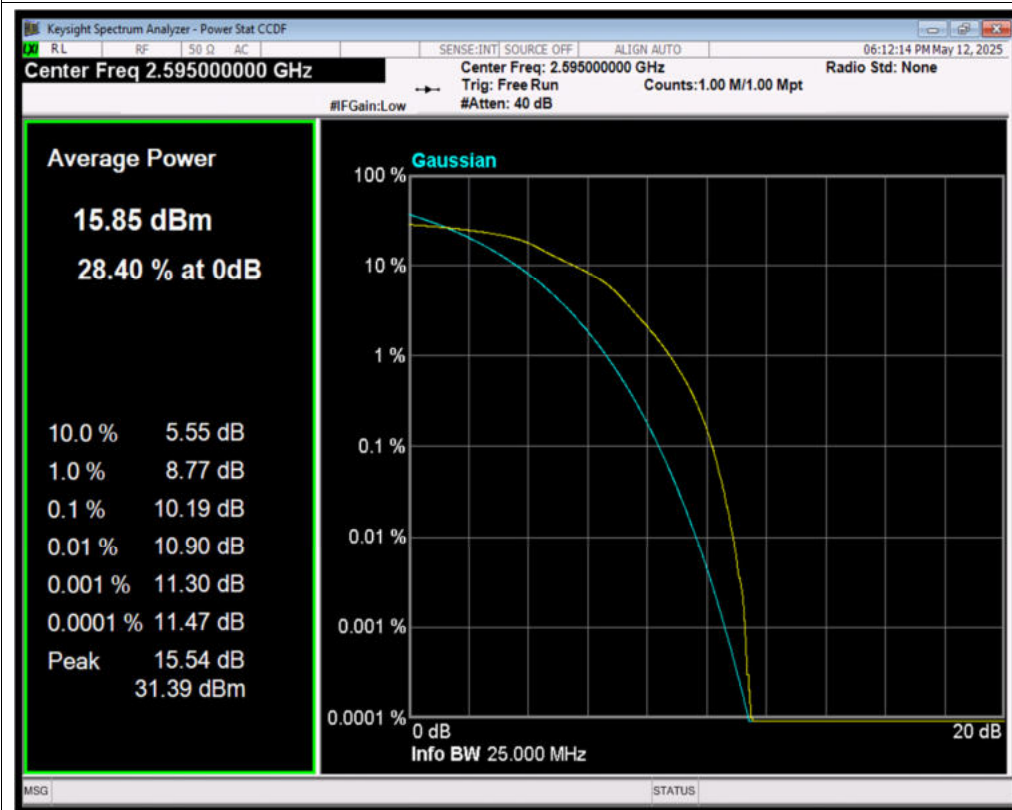
Band41(2535-2655) 16QAM BW=10MHz Channel=40090 RB Size=50 Position=#0



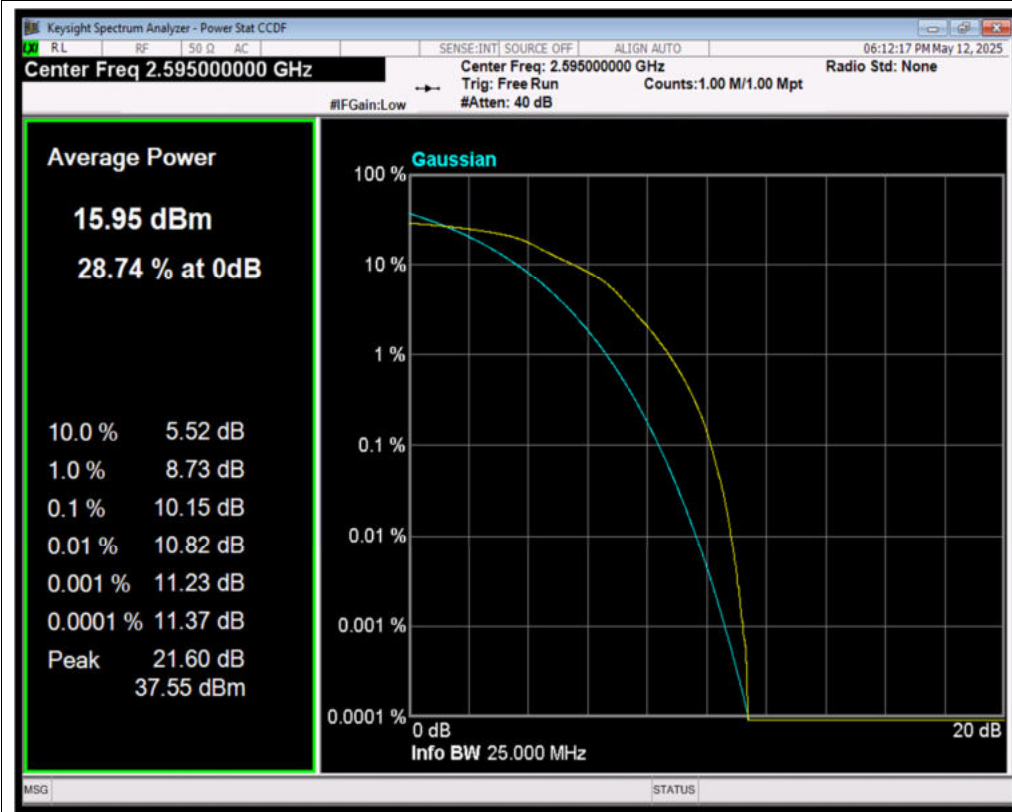
Band41(2535-2655) 64QAM BW=10MHz Channel=40090 RB Size=50 Position=#0



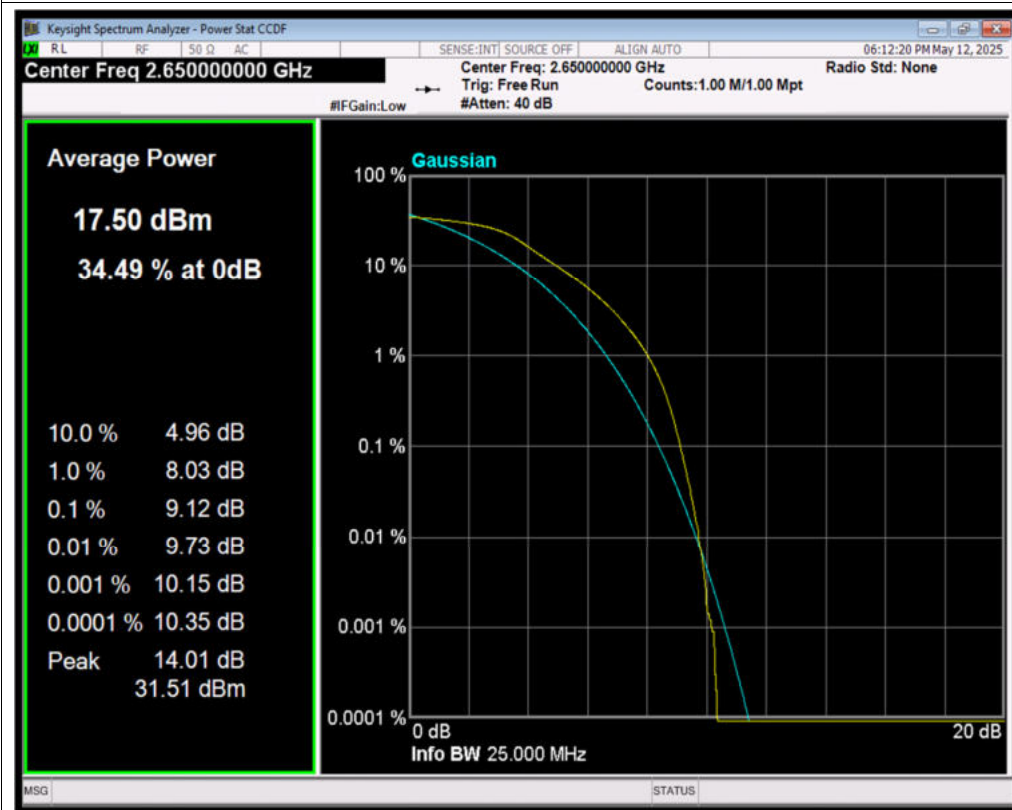
Band41(2535-2655) QPSK BW=10MHz Channel=40640 RB Size=50 Position=#0



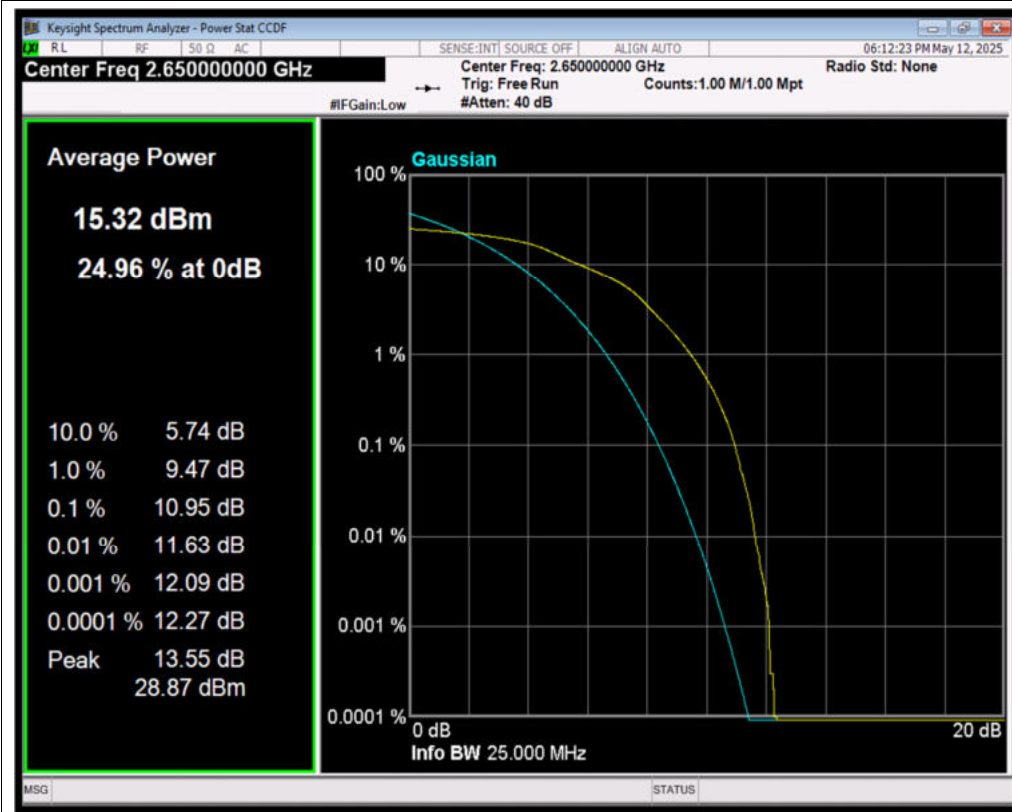
Band41(2535-2655) 16QAM BW=10MHz Channel=40640 RB Size=50 Position=#0



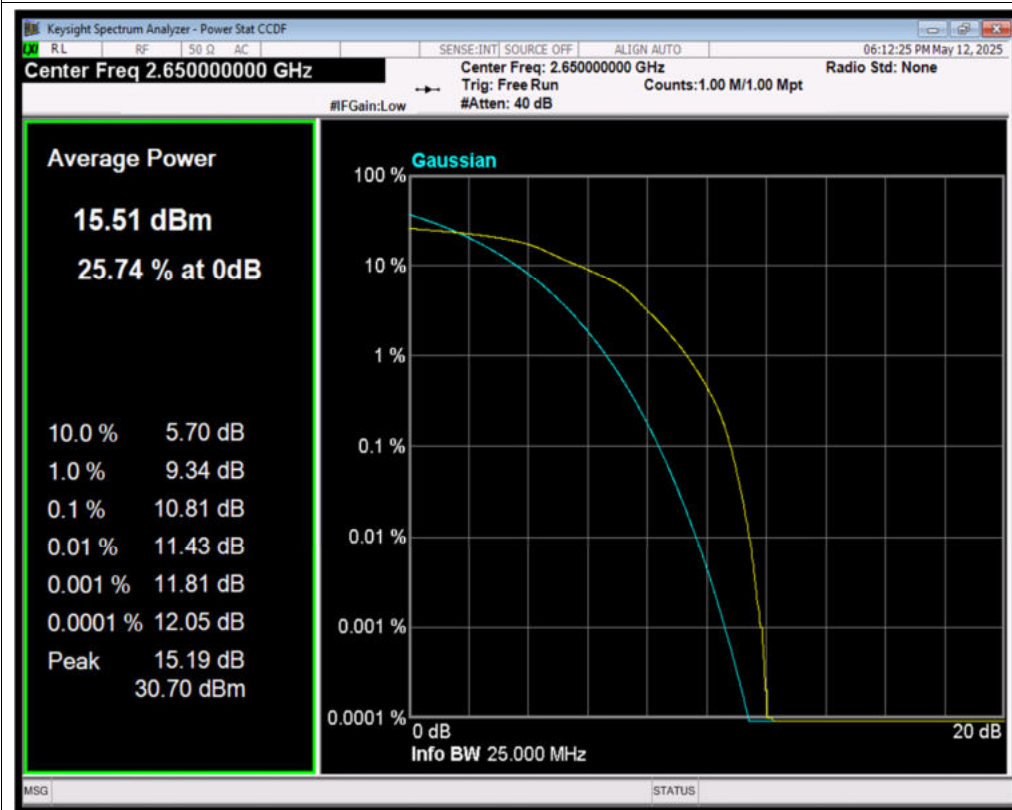
Band41(2535-2655) 64QAM BW=10MHz Channel=40640 RB Size=50 Position=#0



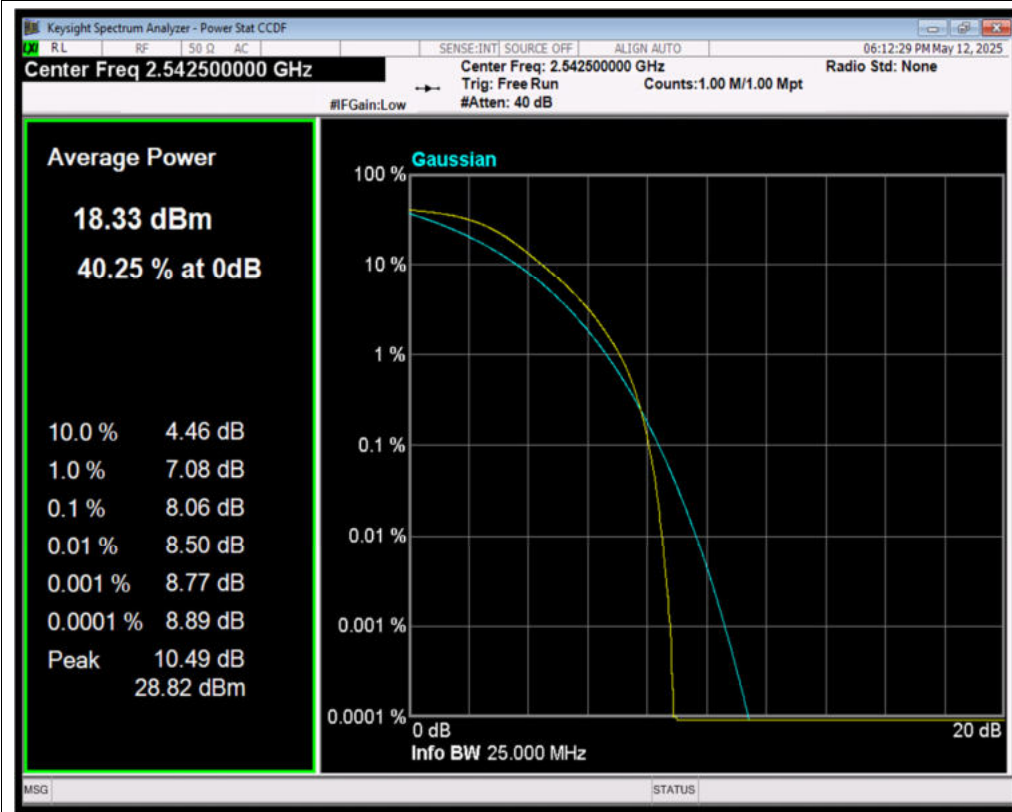
Band41(2535-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



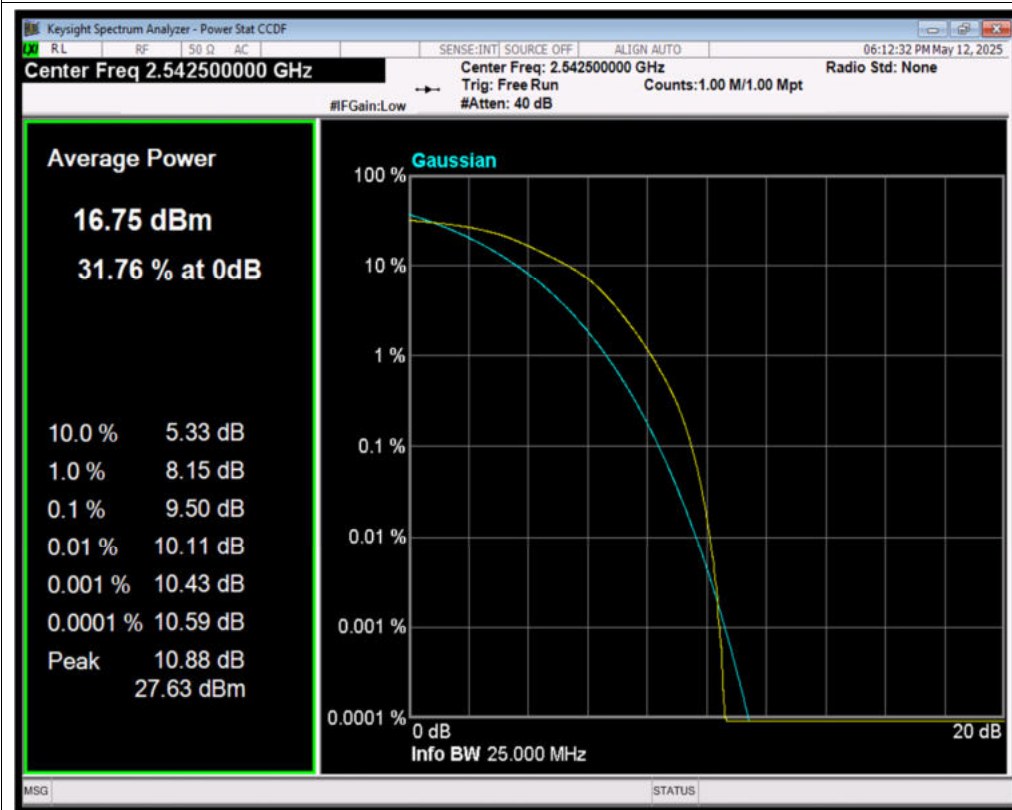
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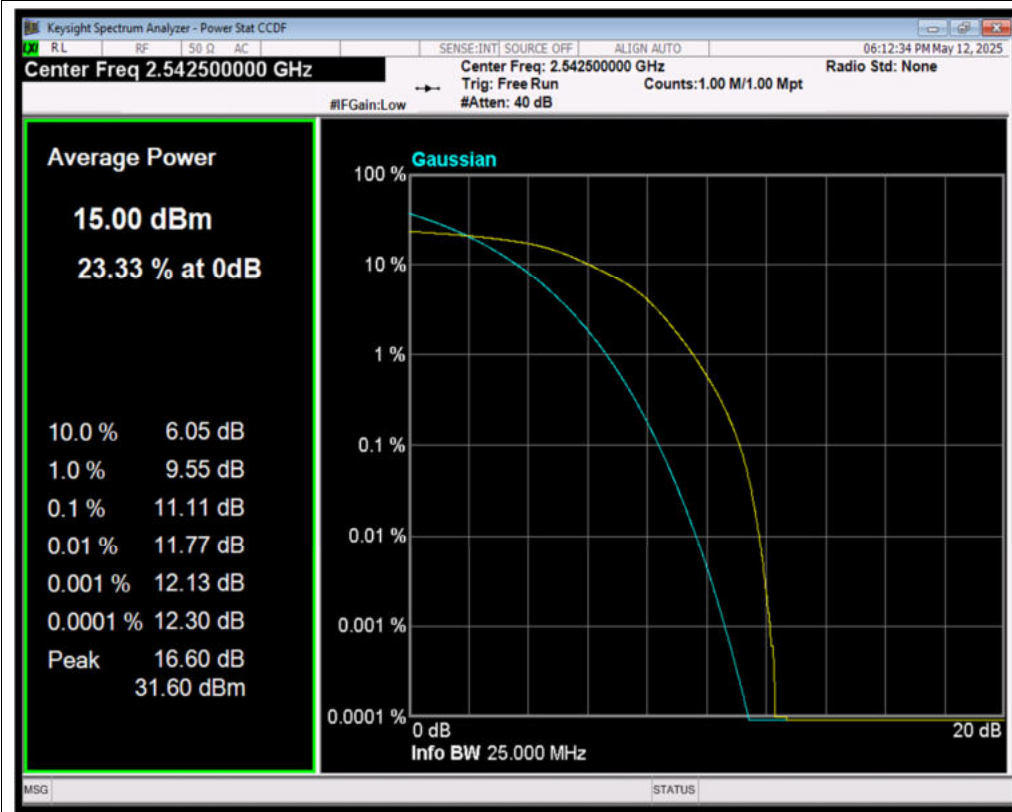
Band41(2535-2655) 64QAM BW=10MHz Channel=41190 RB Size=50 Position=#0



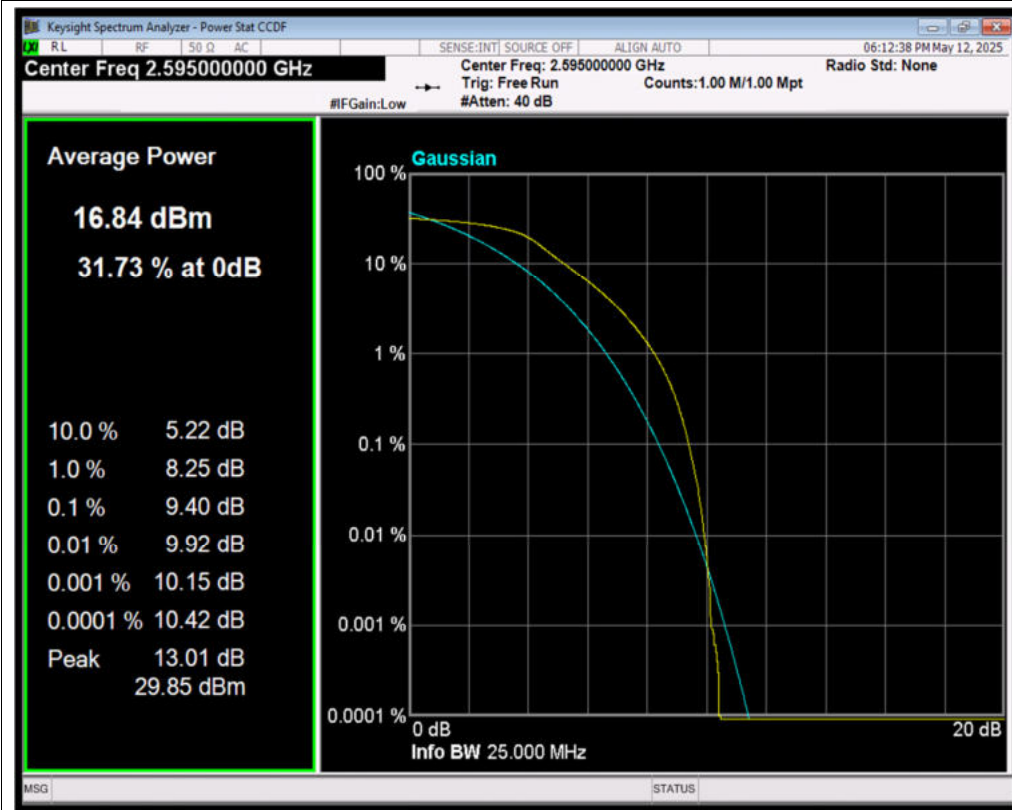
Band41(2535-2655) QPSK BW=15MHz Channel=40115 RB Size=75 Position=#0



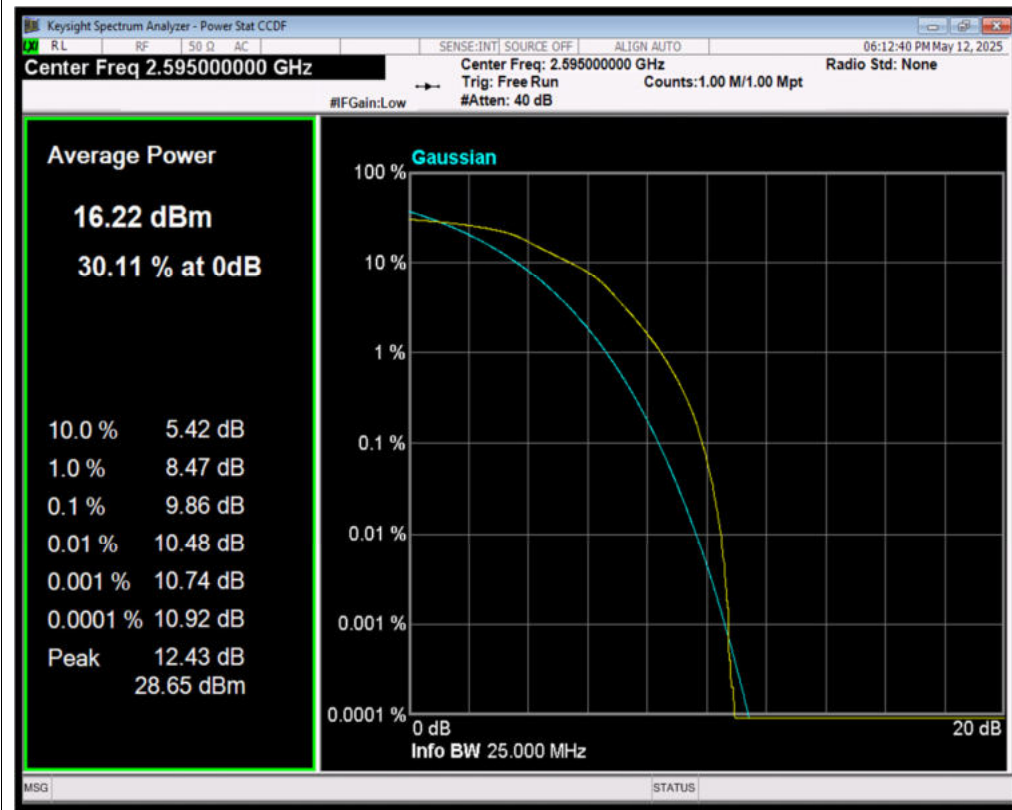
Band41(2535-2655) 16QAM BW=15MHz Channel=40115 RB Size=75 Position=#0



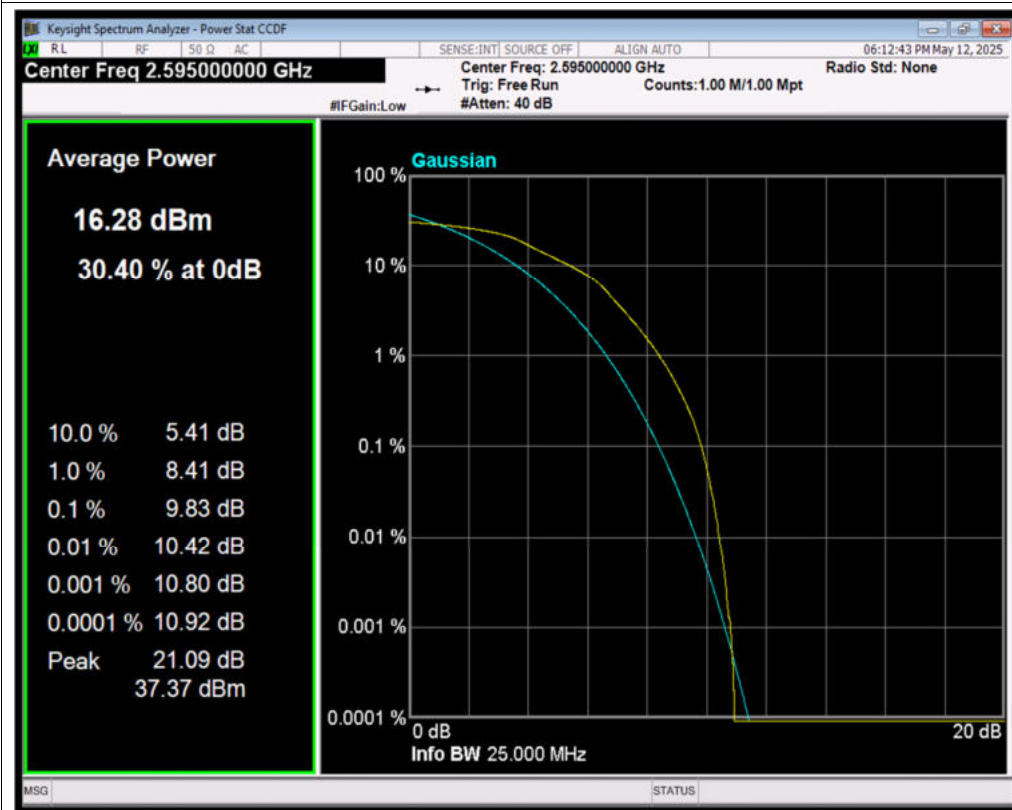
Band41(2535-2655) 64QAM BW=15MHz Channel=40115 RB Size=75 Position=#0



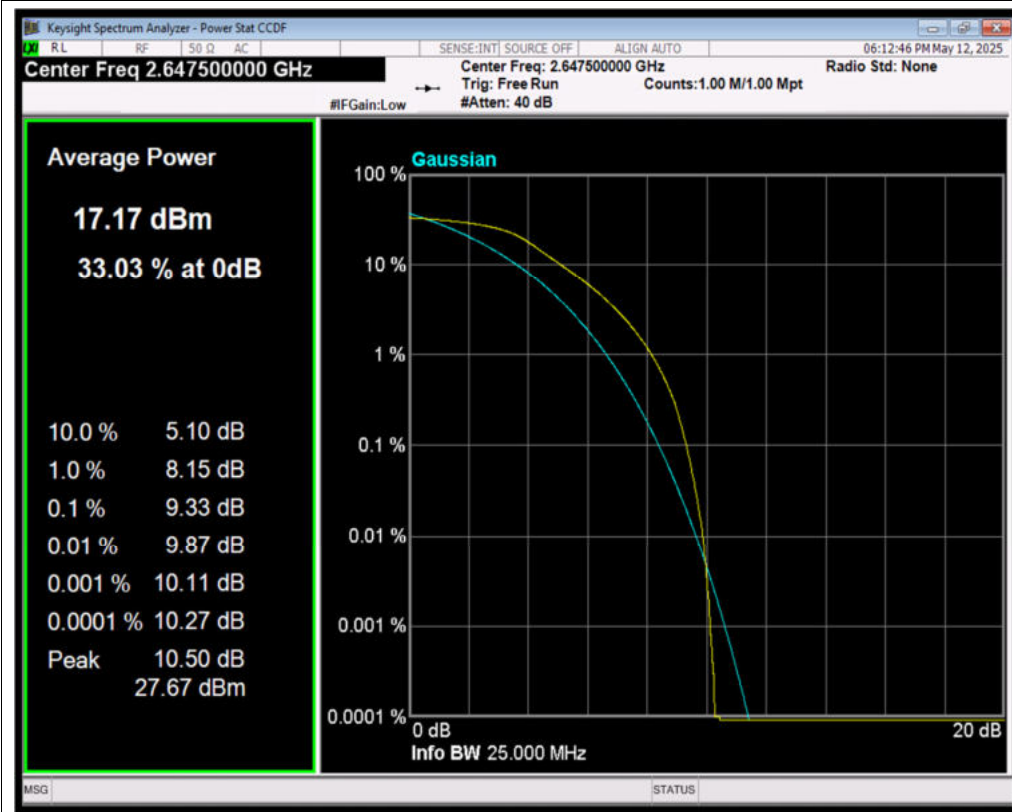
Band41(2535-2655) QPSK BW=15MHz Channel=40640 RB Size=75 Position=#0



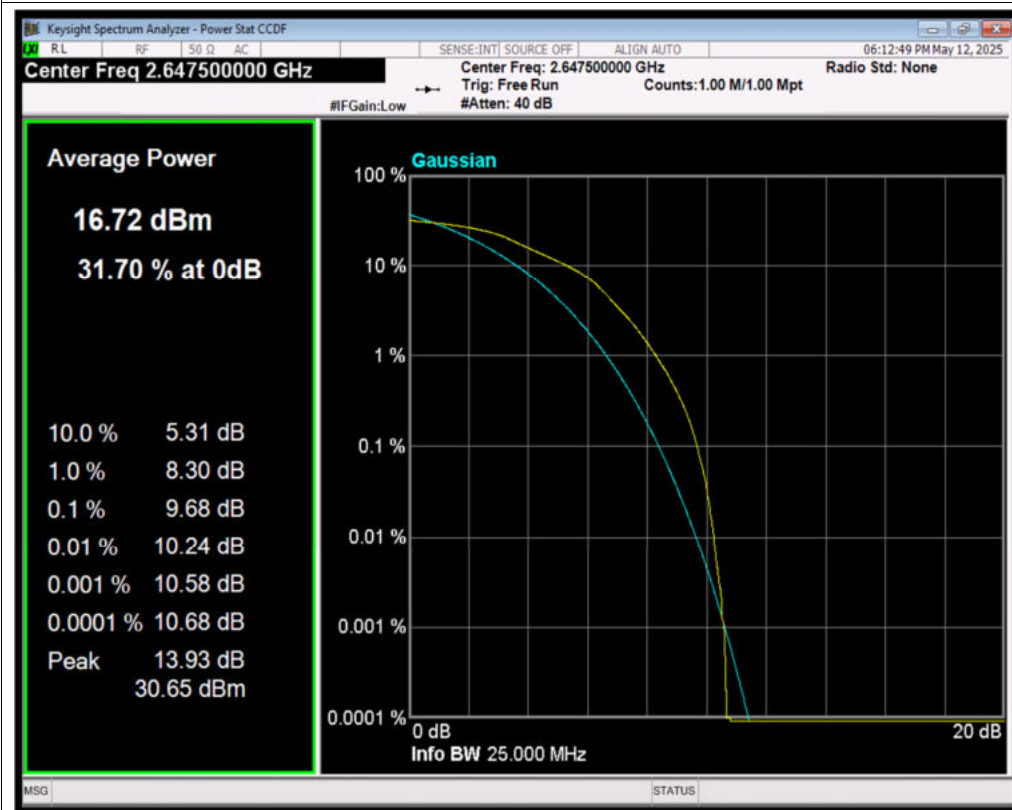
Band41(2535-2655) 16QAM BW=15MHz Channel=40640 RB Size=75 Position=#0



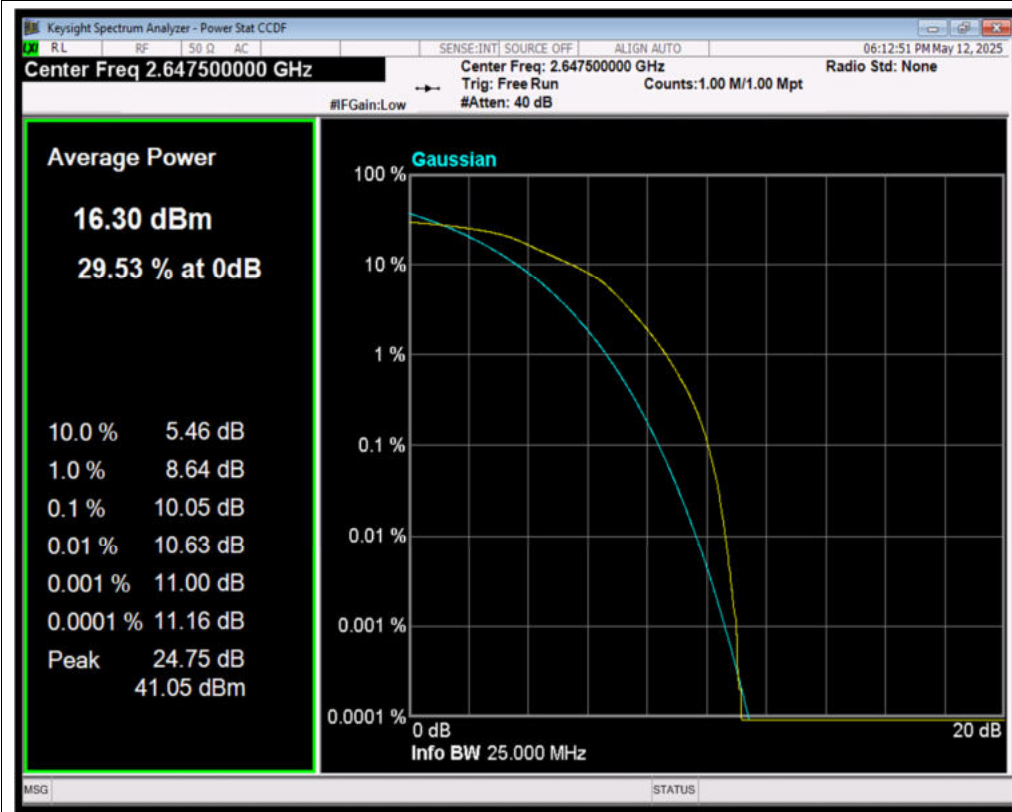
Band41(2535-2655) 64QAM BW=15MHz Channel=40640 RB Size=75 Position=#0



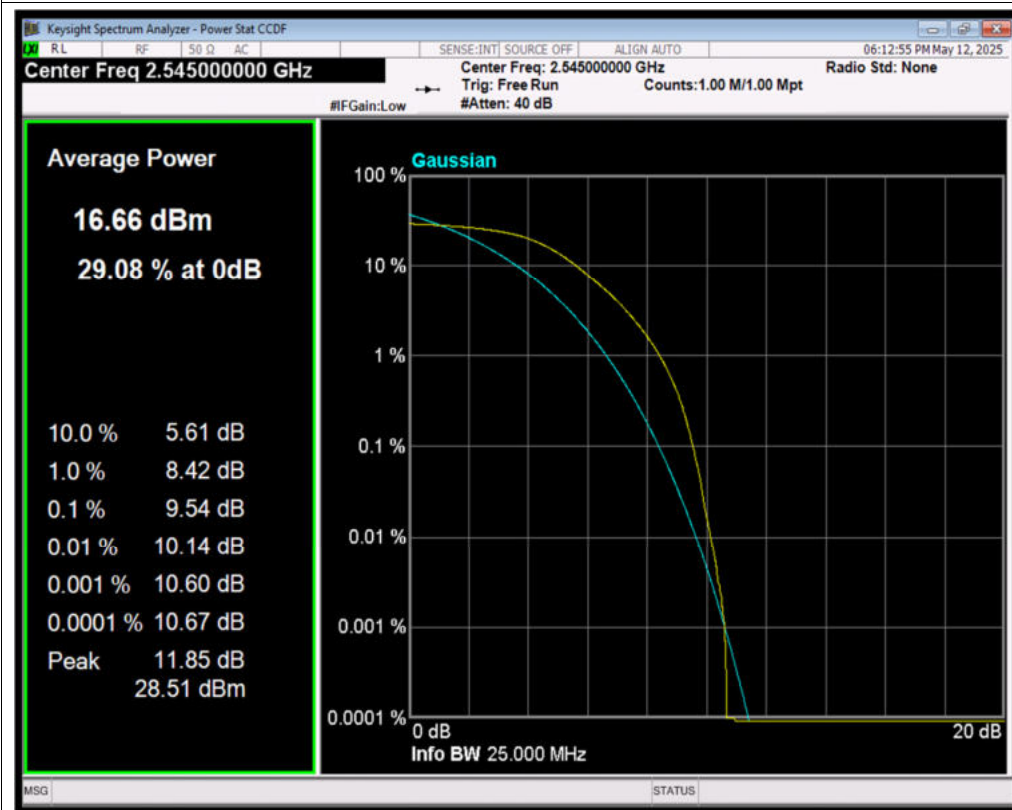
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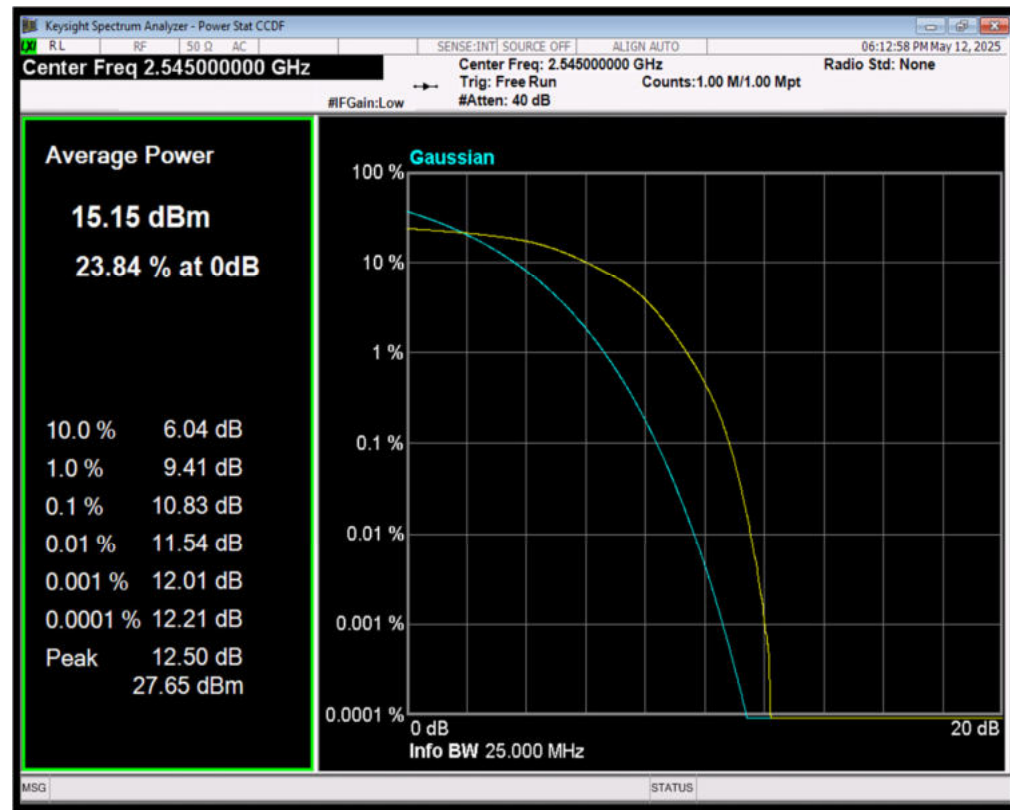
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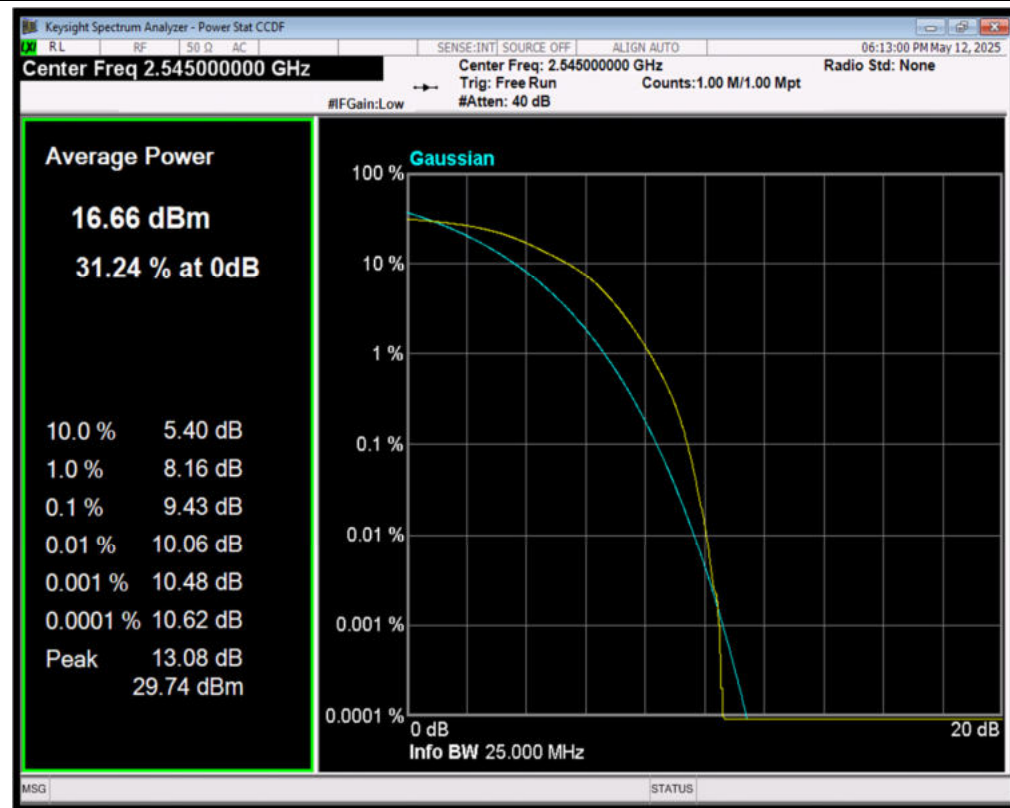
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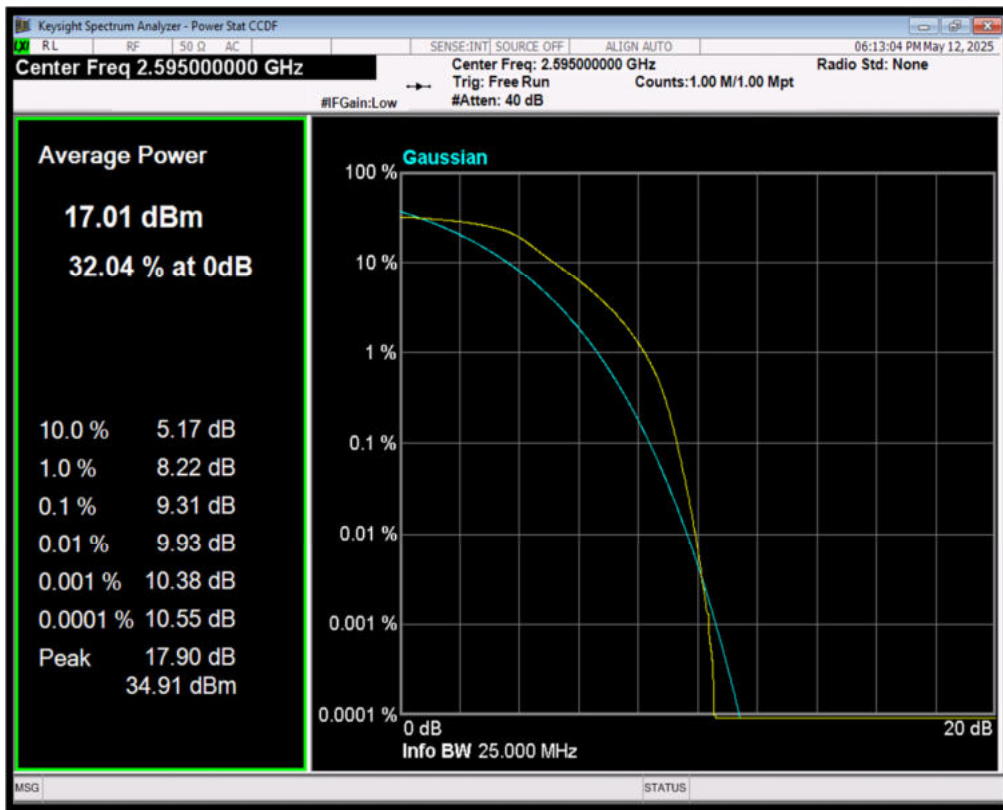
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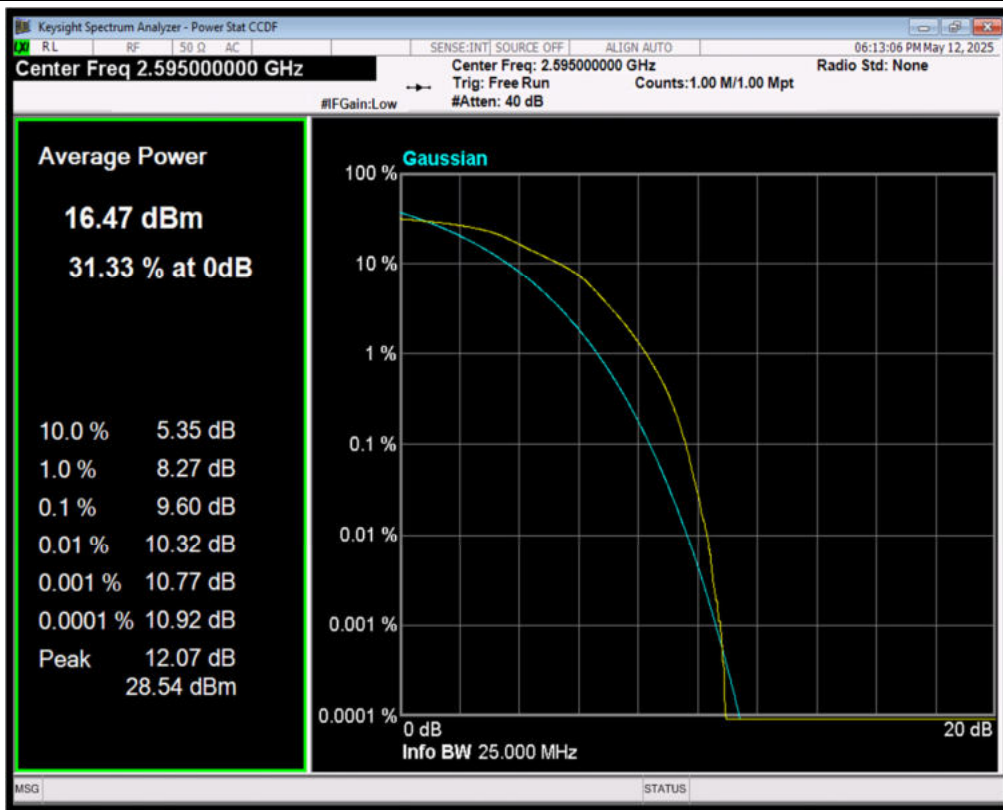
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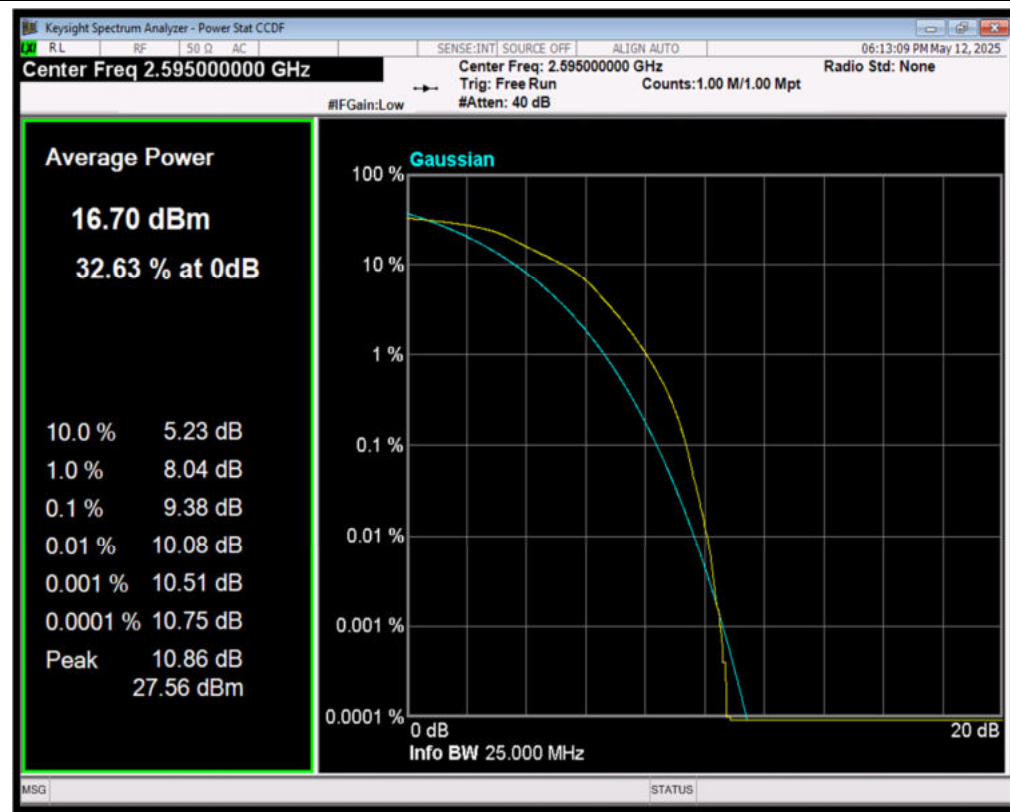
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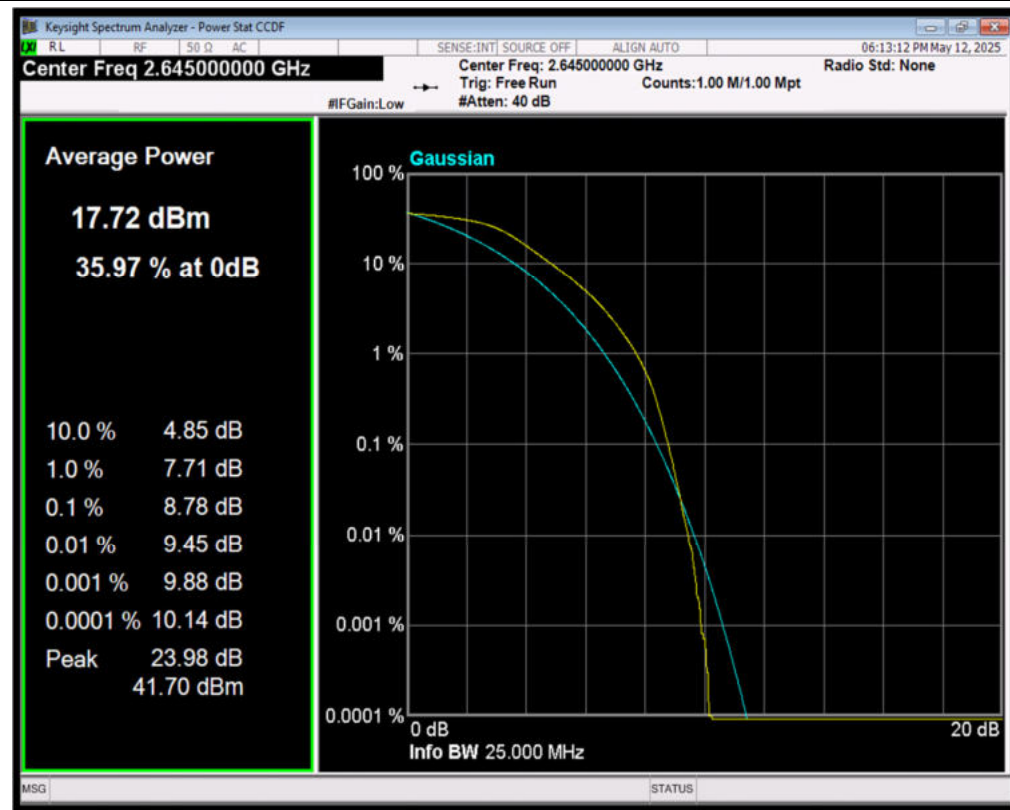
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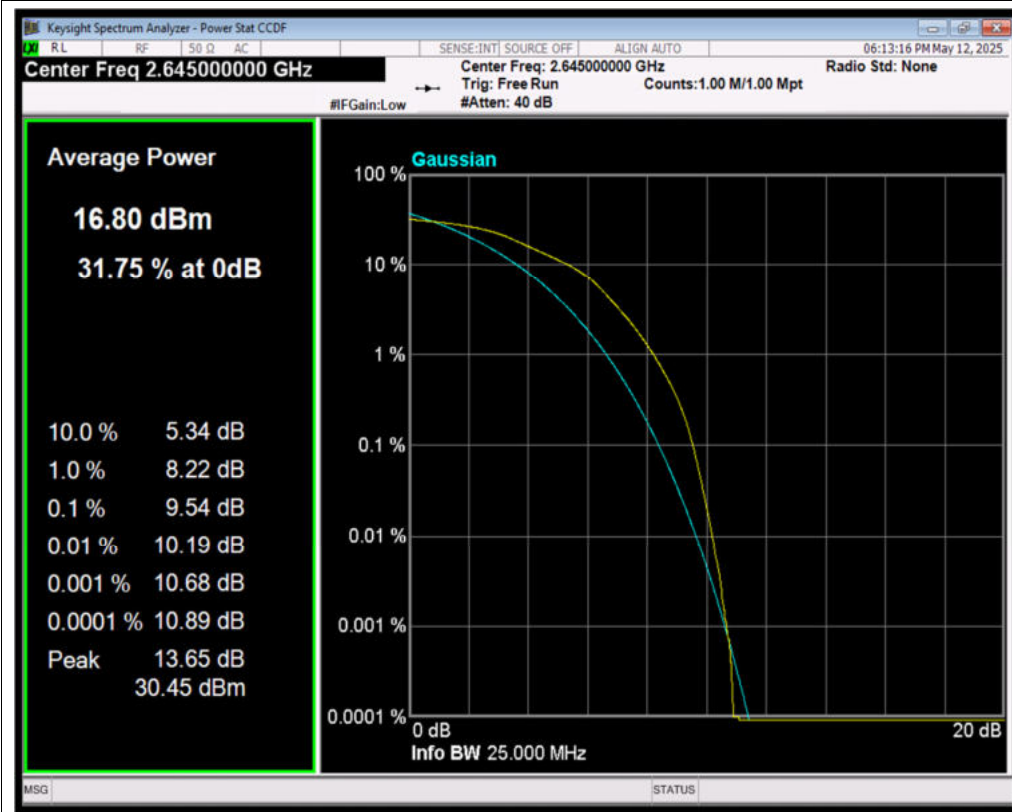
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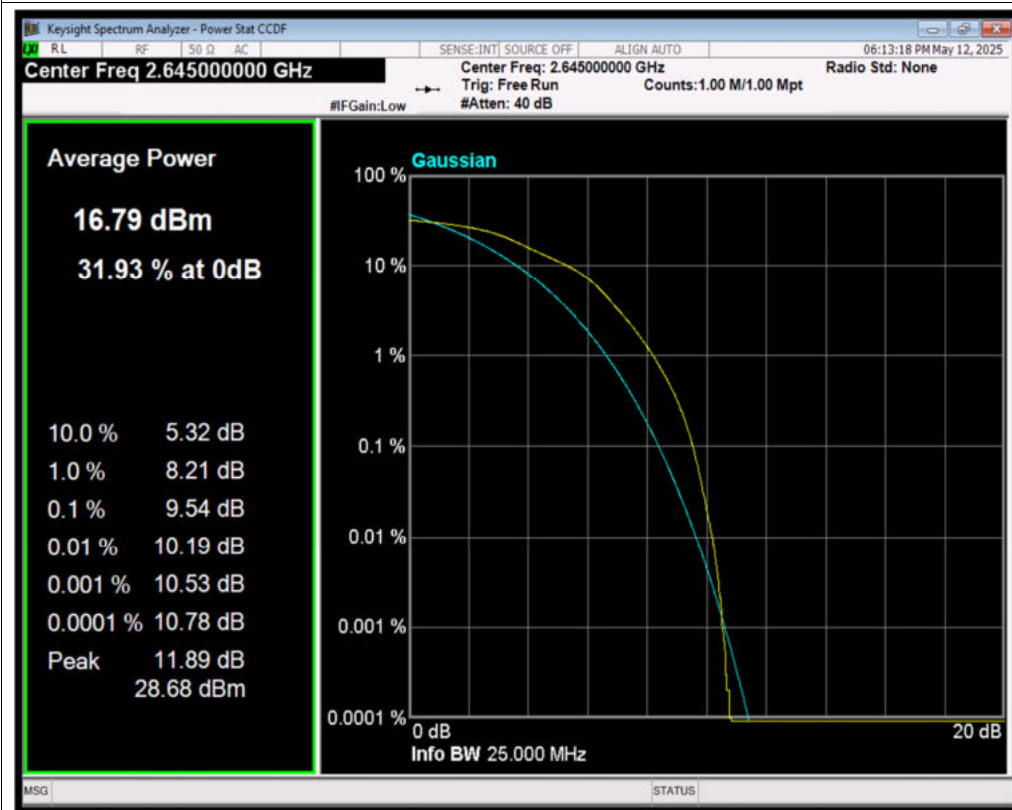
Band41(2535-2655) 64QAM BW=20MHz Channel=40640 RB Size=100 Position=#0



Band41(2535-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0



Band41(2535-2655) 16QAM BW=20MHz Channel=41140 RB Size=100 Position=#0



Band41(2535-2655) 64QAM BW=20MHz Channel=41140 RB Size=100 Position=#0

6.5 Frequency Stability

WCDMA B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	6.53	0.00781	PASS
	Extreme (40°C)		4.25	0.00509	PASS
	Extreme (30°C)		2.99	0.00357	PASS
	Extreme (20°C)		5.61	0.00670	PASS
	Extreme (10°C)		7.29	0.00872	PASS
	Extreme (0°C)		13.96	0.01669	PASS
	Extreme (-10°C)		8.85	0.01058	PASS
	Extreme (-20°C)		13.41	0.01602	PASS
	Extreme (-30°C)		8.08	0.00966	PASS
	20°C	LV	15.30	0.01828	PASS
		HV	15.04	0.01797	PASS

LTE Band 5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz	QPSK	QPSK	
	Extreme (50°C)	NV	13.96	0.01669	PASS
	Extreme (40°C)		7.12	0.00851	PASS
	Extreme (30°C)		7.63	0.00912	PASS
	Extreme (20°C)		2.40	0.00287	PASS
	Extreme (10°C)		6.60	0.00789	PASS
	Extreme (0°C)		11.75	0.01405	PASS
	Extreme (-10°C)		3.35	0.00400	PASS
	Extreme (-20°C)		12.37	0.01479	PASS
	Extreme (-30°C)		15.16	0.01812	PASS
	20°C	LV	2.73	0.00326	PASS
		HV	6.78	0.00810	PASS

LTE Band 5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz	QPSK	QPSK	
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	7.41	0.00886	PASS
	Extreme (40°C)		1.09	0.00130	PASS
	Extreme (30°C)		14.00	0.01673	PASS

	Extreme (20°C)		14.26	0.01705	PASS
	Extreme (10°C)		2.92	0.00349	PASS
	Extreme (0°C)		1.42	0.00169	PASS
	Extreme (-10°C)		7.61	0.00910	PASS
	Extreme (-20°C)		17.14	0.02049	PASS
	Extreme (-30°C)		12.48	0.01491	PASS
	20°C	LV	4.41	0.00527	PASS
		HV	14.16	0.01692	PASS
LTE Band 5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	4.56	0.00545	PASS
	Extreme (40°C)		6.11	0.00730	PASS
	Extreme (30°C)		1.40	0.00168	PASS
	Extreme (20°C)		11.51	0.01376	PASS
	Extreme (10°C)		8.69	0.01038	PASS
	Extreme (0°C)		17.61	0.02105	PASS
	Extreme (-10°C)		2.78	0.00332	PASS
	Extreme (-20°C)		2.71	0.00323	PASS
	Extreme (-30°C)		7.56	0.00904	PASS
	20°C	LV	16.24	0.01941	PASS
		HV	6.96	0.00832	PASS
LTE Band 5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	7.10	0.00849	PASS
	Extreme (40°C)		9.78	0.01170	PASS
	Extreme (30°C)		11.41	0.01365	PASS
	Extreme (20°C)		13.72	0.01640	PASS
	Extreme (10°C)		7.47	0.00893	PASS
	Extreme (0°C)		11.61	0.01388	PASS
	Extreme (-10°C)		17.00	0.02033	PASS
	Extreme (-20°C)		17.43	0.02083	PASS
	Extreme (-30°C)		2.67	0.00319	PASS
	20°C	LV	8.05	0.00962	PASS
		HV	8.52	0.01018	PASS

LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2537.5	BANDWIDTH	5MHz	QPSK	QPSK	2535-2655	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2535.269	2539.731	2535-2655	PASS
	Extreme (40°C)		2535.269	2539.731	2535-2655	PASS
	Extreme (30°C)		2535.210	2539.790	2535-2655	PASS
	Extreme (20°C)		2535.237	2539.763	2535-2655	PASS
	Extreme (10°C)		2535.249	2539.751	2535-2655	PASS
	Extreme (0°C)		2535.247	2539.753	2535-2655	PASS
	Extreme (-10°C)		2535.223	2539.777	2535-2655	PASS
	Extreme (-20°C)		2535.243	2539.757	2535-2655	PASS
	Extreme (-30°C)		2535.238	2539.762	2535-2655	PASS
	20°C	LV	2535.235	2539.765	2535-2655	PASS
		HV	2535.252	2539.748	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2540	BANDWIDTH	10MHz	QPSK	QPSK	2535-2655	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2535.524	2544.476	2535-2655	PASS
	Extreme (40°C)		2535.611	2544.389	2535-2655	PASS
	Extreme (30°C)		2535.607	2544.393	2535-2655	PASS
	Extreme (20°C)		2535.513	2544.487	2535-2655	PASS
	Extreme (10°C)		2535.566	2544.434	2535-2655	PASS
	Extreme (0°C)		2535.635	2544.365	2535-2655	PASS
	Extreme (-10°C)		2535.518	2544.482	2535-2655	PASS
	Extreme (-20°C)		2535.513	2544.487	2535-2655	PASS
	Extreme (-30°C)		2535.610	2544.390	2535-2655	PASS
	20°C	LV	2535.537	2544.463	2535-2655	PASS
		HV	2535.603	2544.397	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2542.5	BANDWIDTH	15MHz	QPSK	QPSK	2535-2655	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	2535.703	2549.297	2535-2655	PASS
	Extreme (40°C)		2535.733	2549.267	2535-2655	PASS
	Extreme (30°C)		2535.789	2549.211	2535-2655	PASS
	Extreme (20°C)		2535.737	2549.263	2535-2655	PASS
	Extreme (10°C)		2535.759	2549.241	2535-2655	PASS
	Extreme (0°C)		2535.715	2549.285	2535-2655	PASS

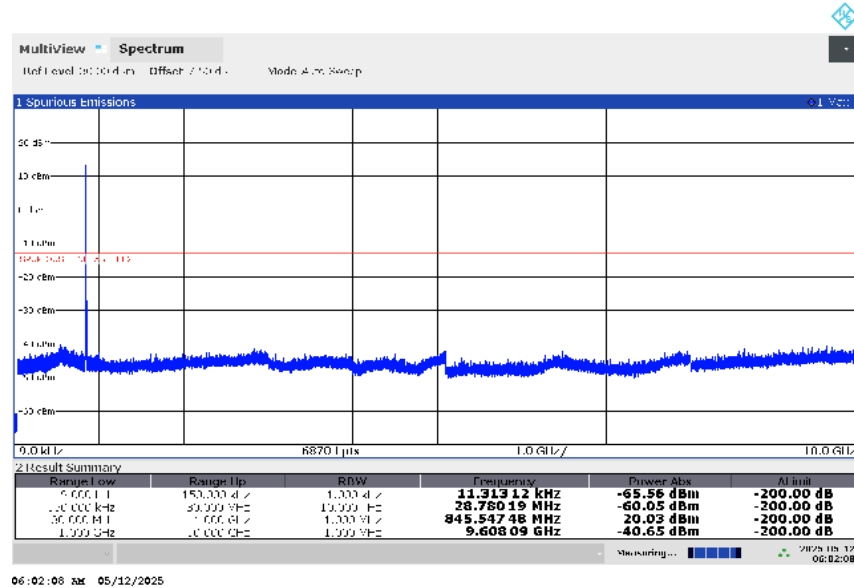
	Extreme (-10°C)		2535.791	2549.209	2535-2655	PASS
	Extreme (-20°C)		2535.764	2549.236	2535-2655	PASS
	Extreme (-30°C)		2535.786	2549.214	2535-2655	PASS
	20°C	LV	2535.797	2549.203	2535-2655	PASS
		HV	2535.738	2549.262	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2545	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2536.040	2553.960	2535-2655	PASS
	Extreme (40°C)		2536.013	2553.987	2535-2655	PASS
	Extreme (30°C)		2536.010	2553.990	2535-2655	PASS
	Extreme (20°C)		2536.016	2553.984	2535-2655	PASS
	Extreme (10°C)		2536.033	2553.967	2535-2655	PASS
	Extreme (0°C)		2536.012	2553.988	2535-2655	PASS
	Extreme (-10°C)		2536.030	2553.970	2535-2655	PASS
	Extreme (-20°C)		2536.009	2553.991	2535-2655	PASS
	Extreme (-30°C)		2536.012	2553.988	2535-2655	PASS
	20°C	LV	2536.021	2553.979	2535-2655	PASS
		HV	2536.038	2553.962	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2652.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2650.284	2654.716	2535-2655	PASS
	Extreme (40°C)		2650.237	2654.763	2535-2655	PASS
	Extreme (30°C)		2650.233	2654.767	2535-2655	PASS
	Extreme (20°C)		2650.296	2654.704	2535-2655	PASS
	Extreme (10°C)		2650.280	2654.720	2535-2655	PASS
	Extreme (0°C)		2650.296	2654.704	2535-2655	PASS
	Extreme (-10°C)		2650.201	2654.799	2535-2655	PASS
	Extreme (-20°C)		2650.276	2654.724	2535-2655	PASS
	Extreme (-30°C)		2650.281	2654.719	2535-2655	PASS
	20°C	LV	2650.256	2654.744	2535-2655	PASS
		HV	2650.247	2654.753	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2650	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2645.534	2654.466	2535-2655	PASS
	Extreme (40°C)		2645.647	2654.353	2535-2655	PASS

	Extreme (30°C)		2645.542	2654.458	2535-2655	PASS
	Extreme (20°C)		2645.584	2654.416	2535-2655	PASS
	Extreme (10°C)		2645.503	2654.497	2535-2655	PASS
	Extreme (0°C)		2645.623	2654.377	2535-2655	PASS
	Extreme (-10°C)		2645.569	2654.431	2535-2655	PASS
	Extreme (-20°C)		2645.581	2654.419	2535-2655	PASS
	Extreme (-30°C)		2645.622	2654.378	2535-2655	PASS
	20°C	LV	2645.631	2654.369	2535-2655	PASS
HV		2645.647	2654.353	2535-2655	PASS	
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2647.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2640.796	2654.204	2535-2655	PASS
	Extreme (40°C)		2640.742	2654.258	2535-2655	PASS
	Extreme (30°C)		2640.765	2654.235	2535-2655	PASS
	Extreme (20°C)		2640.736	2654.264	2535-2655	PASS
	Extreme (10°C)		2640.733	2654.267	2535-2655	PASS
	Extreme (0°C)		2640.792	2654.208	2535-2655	PASS
	Extreme (-10°C)		2640.751	2654.249	2535-2655	PASS
	Extreme (-20°C)		2640.771	2654.229	2535-2655	PASS
	Extreme (-30°C)	2640.747	2654.253	2535-2655	PASS	
	20°C	LV	2640.747	2654.253	2535-2655	PASS
HV		2640.730	2654.270	2535-2655	PASS	
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2645	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2635.931	2654.069	2535-2655	PASS
	Extreme (40°C)		2635.955	2654.045	2535-2655	PASS
	Extreme (30°C)		2635.964	2654.036	2535-2655	PASS
	Extreme (20°C)		2635.966	2654.034	2535-2655	PASS
	Extreme (10°C)		2635.955	2654.045	2535-2655	PASS
	Extreme (0°C)		2635.949	2654.051	2535-2655	PASS
	Extreme (-10°C)		2635.962	2654.038	2535-2655	PASS
	Extreme (-20°C)		2635.970	2654.030	2535-2655	PASS
	Extreme (-30°C)	2635.901	2654.099	2535-2655	PASS	
	20°C	LV	2635.925	2654.075	2535-2655	PASS
HV		2635.913	2654.087	2535-2655	PASS	

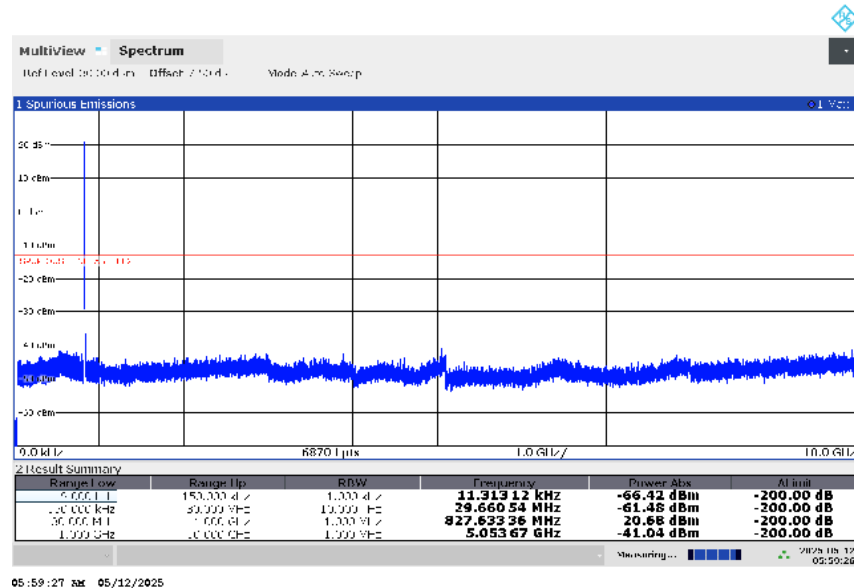
6.6 Spurious Emissions at Antenna Terminals

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.

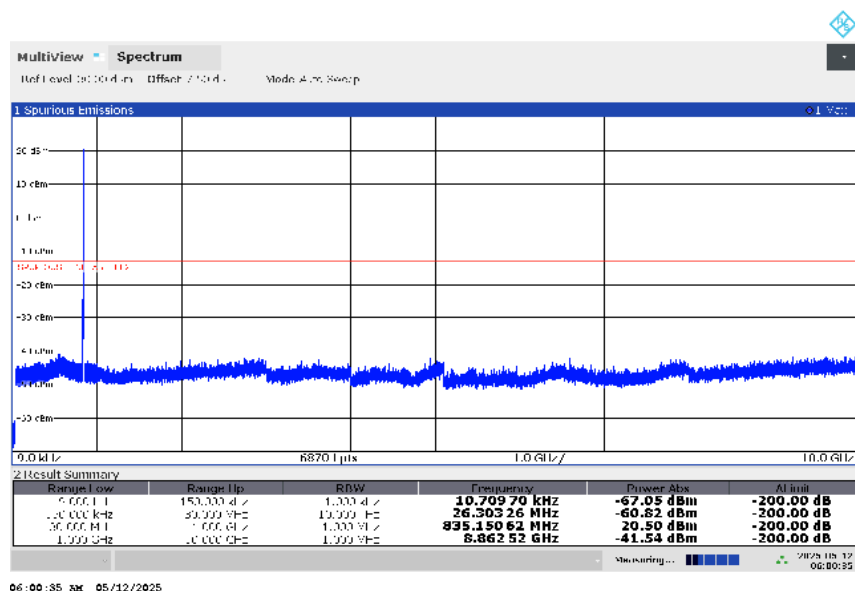
The signal beyond the limit is carrier.



CSE\WCDMA Band 5\H



CSE\WCDMA Band 5\L



CSE\WCDMA Band 5M