

Appendix for Band 71

Product Name: 4G Power Socket
Model No: GSMSOCUS4G

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.41	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.81	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.48	PASS
Band71	5MHz	QPSK	133147	12RB#0	21.43	PASS
Band71	5MHz	QPSK	133147	12RB#6	21.39	PASS
Band71	5MHz	QPSK	133147	12RB#13	21.55	PASS
Band71	5MHz	QPSK	133147	25RB#0	21.34	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.54	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.76	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.59	PASS
Band71	5MHz	QPSK	133297	12RB#0	21.76	PASS
Band71	5MHz	QPSK	133297	12RB#6	21.75	PASS
Band71	5MHz	QPSK	133297	12RB#13	21.81	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.67	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.80	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.70	PASS
Band71	5MHz	QPSK	133447	12RB#0	21.65	PASS
Band71	5MHz	QPSK	133447	12RB#6	21.66	PASS
Band71	5MHz	QPSK	133447	12RB#13	21.56	PASS
Band71	5MHz	QPSK	133447	25RB#0	21.65	PASS
Band71	5MHz	16QAM	133147	1RB#0	21.37	PASS
Band71	5MHz	16QAM	133147	1RB#12	20.90	PASS
Band71	5MHz	16QAM	133147	1RB#24	21.93	PASS
Band71	5MHz	16QAM	133147	12RB#0	20.42	PASS
Band71	5MHz	16QAM	133147	12RB#6	20.39	PASS
Band71	5MHz	16QAM	133147	12RB#13	20.56	PASS
Band71	5MHz	16QAM	133147	25RB#0	20.56	PASS
Band71	5MHz	16QAM	133297	1RB#0	21.24	PASS
Band71	5MHz	16QAM	133297	1RB#12	21.71	PASS
Band71	5MHz	16QAM	133297	1RB#24	21.58	PASS
Band71	5MHz	16QAM	133297	12RB#0	20.68	PASS
Band71	5MHz	16QAM	133297	12RB#6	20.87	PASS
Band71	5MHz	16QAM	133297	12RB#13	20.64	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.91	PASS

Band71	5MHz	16QAM	133447	1RB#0	21.71	PASS
Band71	5MHz	16QAM	133447	1RB#12	20.90	PASS
Band71	5MHz	16QAM	133447	1RB#24	21.66	PASS
Band71	5MHz	16QAM	133447	12RB#0	20.66	PASS
Band71	5MHz	16QAM	133447	12RB#6	20.66	PASS
Band71	5MHz	16QAM	133447	12RB#13	20.78	PASS
Band71	5MHz	16QAM	133447	25RB#0	20.71	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.28	PASS
Band71	10MHz	QPSK	133172	1RB#24	22.91	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.45	PASS
Band71	10MHz	QPSK	133172	25RB#0	21.64	PASS
Band71	10MHz	QPSK	133172	25RB#12	21.80	PASS
Band71	10MHz	QPSK	133172	25RB#25	21.51	PASS
Band71	10MHz	QPSK	133172	50RB#0	21.46	PASS
Band71	10MHz	QPSK	133297	1RB#0	22.78	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.73	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.63	PASS
Band71	10MHz	QPSK	133297	25RB#0	21.77	PASS
Band71	10MHz	QPSK	133297	25RB#12	21.78	PASS
Band71	10MHz	QPSK	133297	25RB#25	21.78	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.73	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.92	PASS
Band71	10MHz	QPSK	133422	1RB#24	23.10	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.52	PASS
Band71	10MHz	QPSK	133422	25RB#0	21.76	PASS
Band71	10MHz	QPSK	133422	25RB#12	21.79	PASS
Band71	10MHz	QPSK	133422	25RB#25	21.88	PASS
Band71	10MHz	QPSK	133422	50RB#0	21.67	PASS
Band71	10MHz	16QAM	133172	1RB#0	21.49	PASS
Band71	10MHz	16QAM	133172	1RB#24	21.88	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.62	PASS
Band71	10MHz	16QAM	133172	25RB#0	20.47	PASS
Band71	10MHz	16QAM	133172	25RB#12	20.47	PASS
Band71	10MHz	16QAM	133172	25RB#25	20.54	PASS
Band71	10MHz	16QAM	133172	50RB#0	20.61	PASS
Band71	10MHz	16QAM	133297	1RB#0	21.92	PASS
Band71	10MHz	16QAM	133297	1RB#24	21.65	PASS
Band71	10MHz	16QAM	133297	1RB#49	21.62	PASS
Band71	10MHz	16QAM	133297	25RB#0	20.82	PASS
Band71	10MHz	16QAM	133297	25RB#12	20.82	PASS
Band71	10MHz	16QAM	133297	25RB#25	20.85	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.80	PASS

Band71	10MHz	16QAM	133422	1RB#0	21.93	PASS
Band71	10MHz	16QAM	133422	1RB#24	21.87	PASS
Band71	10MHz	16QAM	133422	1RB#49	21.78	PASS
Band71	10MHz	16QAM	133422	25RB#0	20.84	PASS
Band71	10MHz	16QAM	133422	25RB#12	20.85	PASS
Band71	10MHz	16QAM	133422	25RB#25	20.48	PASS
Band71	10MHz	16QAM	133422	50RB#0	20.60	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.39	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.71	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.53	PASS
Band71	15MHz	QPSK	133197	38RB#0	21.47	PASS
Band71	15MHz	QPSK	133197	38RB#18	21.24	PASS
Band71	15MHz	QPSK	133197	38RB#37	21.60	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.64	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.49	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.56	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.42	PASS
Band71	15MHz	QPSK	133297	38RB#0	21.81	PASS
Band71	15MHz	QPSK	133297	38RB#18	21.73	PASS
Band71	15MHz	QPSK	133297	38RB#37	21.58	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.72	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.86	PASS
Band71	15MHz	QPSK	133397	1RB#38	23.01	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.61	PASS
Band71	15MHz	QPSK	133397	38RB#0	22.23	PASS
Band71	15MHz	QPSK	133397	38RB#18	22.37	PASS
Band71	15MHz	QPSK	133397	38RB#37	21.97	PASS
Band71	15MHz	QPSK	133397	75RB#0	21.66	PASS
Band71	15MHz	16QAM	133197	1RB#0	21.38	PASS
Band71	15MHz	16QAM	133197	1RB#38	21.90	PASS
Band71	15MHz	16QAM	133197	1RB#74	21.78	PASS
Band71	15MHz	16QAM	133197	38RB#0	21.46	PASS
Band71	15MHz	16QAM	133197	38RB#18	20.98	PASS
Band71	15MHz	16QAM	133197	38RB#37	21.58	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.78	PASS
Band71	15MHz	16QAM	133297	1RB#0	21.72	PASS
Band71	15MHz	16QAM	133297	1RB#38	21.76	PASS
Band71	15MHz	16QAM	133297	1RB#74	21.63	PASS
Band71	15MHz	16QAM	133297	38RB#0	21.80	PASS
Band71	15MHz	16QAM	133297	38RB#18	21.64	PASS
Band71	15MHz	16QAM	133297	38RB#37	21.64	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.78	PASS

Band71	15MHz	16QAM	133397	1RB#0	22.21	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.00	PASS
Band71	15MHz	16QAM	133397	1RB#74	21.99	PASS
Band71	15MHz	16QAM	133397	38RB#0	22.23	PASS
Band71	15MHz	16QAM	133397	38RB#18	22.28	PASS
Band71	15MHz	16QAM	133397	38RB#37	21.84	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.73	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.30	PASS
Band71	20MHz	QPSK	133222	1RB#49	23.04	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.72	PASS
Band71	20MHz	QPSK	133222	50RB#0	21.53	PASS
Band71	20MHz	QPSK	133222	50RB#25	21.52	PASS
Band71	20MHz	QPSK	133222	50RB#50	21.64	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.68	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.72	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.66	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.55	PASS
Band71	20MHz	QPSK	133322	50RB#0	21.78	PASS
Band71	20MHz	QPSK	133322	50RB#25	21.68	PASS
Band71	20MHz	QPSK	133322	50RB#50	21.65	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.69	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.69	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.17	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.51	PASS
Band71	20MHz	QPSK	133372	50RB#0	21.72	PASS
Band71	20MHz	QPSK	133372	50RB#25	21.74	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.17	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.68	PASS
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Band71	20MHz	16QAM	133222	1RB#99	21.54	PASS
Band71	20MHz	16QAM	133222	50RB#0	20.55	PASS
Band71	20MHz	16QAM	133222	50RB#25	20.53	PASS
Band71	20MHz	16QAM	133222	50RB#50	20.78	PASS
Band71	20MHz	16QAM	133222	100RB#0	20.70	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.09	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.69	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.32	PASS
Band71	20MHz	16QAM	133322	50RB#0	20.72	PASS
Band71	20MHz	16QAM	133322	50RB#25	20.64	PASS
Band71	20MHz	16QAM	133322	50RB#50	20.62	PASS
Band71	20MHz	16QAM	133322	100RB#0	20.73	PASS

Band71	20MHz	16QAM	133372	1RB#0	21.54	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.58	PASS
Band71	20MHz	16QAM	133372	1RB#99	21.48	PASS
Band71	20MHz	16QAM	133372	50RB#0	20.83	PASS
Band71	20MHz	16QAM	133372	50RB#25	20.84	PASS
Band71	20MHz	16QAM	133372	50RB#50	21.10	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.75	PASS

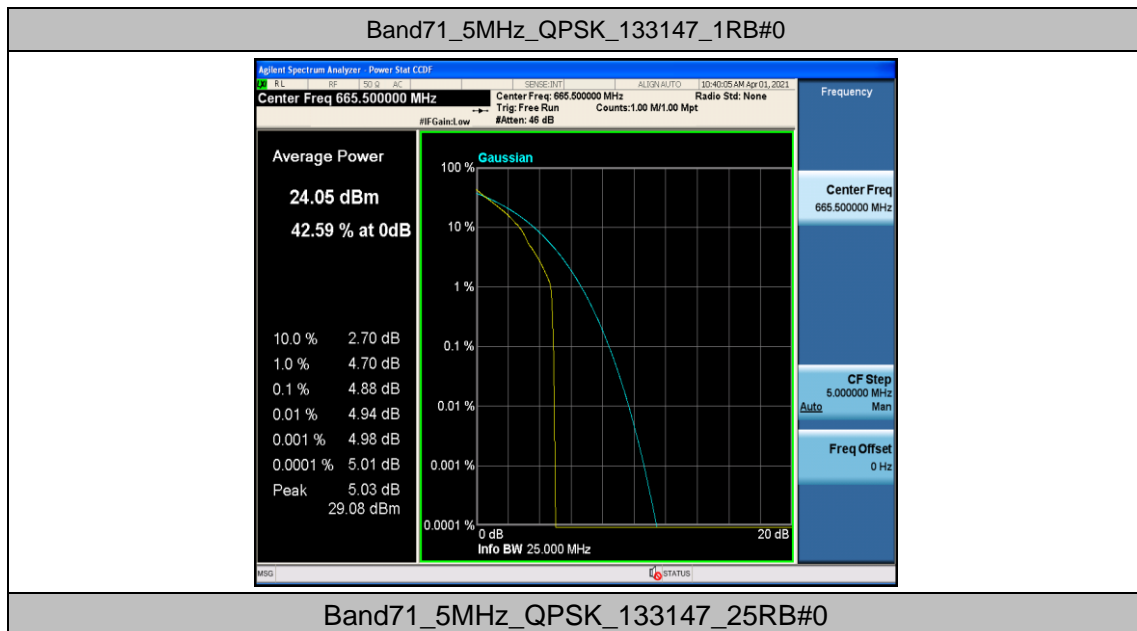
Appendix B: Peak-to-Average Ratio

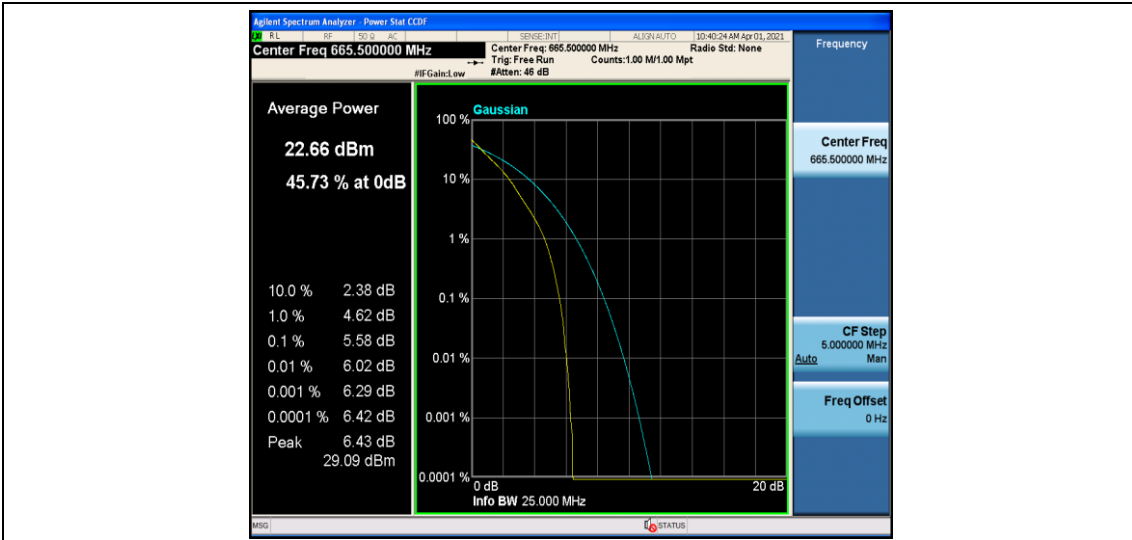
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.88	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.58	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	4.80	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.37	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	4.55	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.38	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.86	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.40	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.79	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.16	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.44	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.15	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.91	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.40	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.84	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.31	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.42	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.34	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	6.00	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.41	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.71	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.14	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.53	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.12	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	4.86	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.54	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	4.79	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.40	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	4.51	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.45	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	6.00	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.27	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	5.72	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.16	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.44	13	PASS

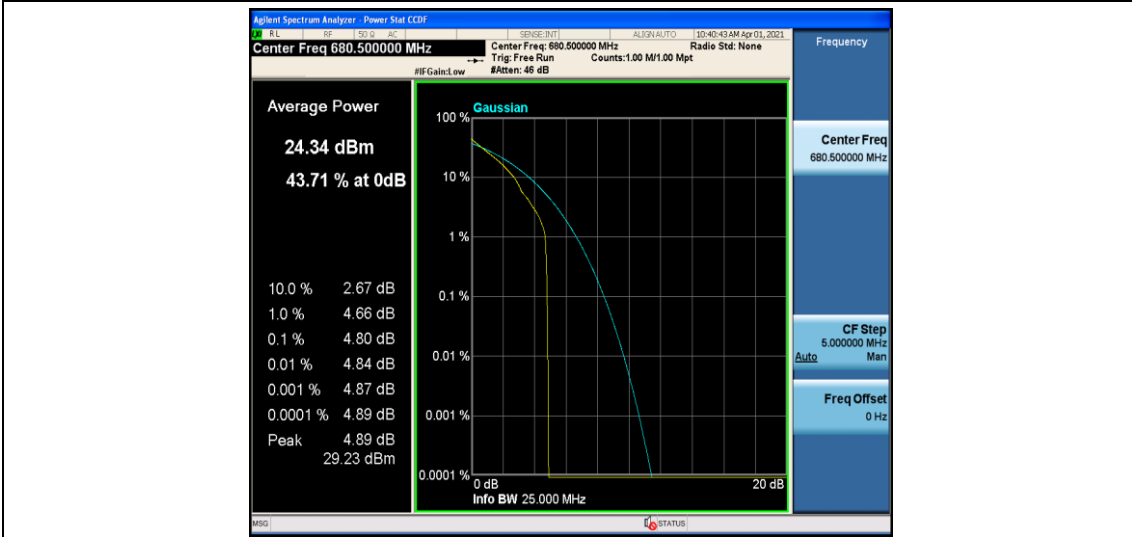
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Band71	20MHz	QPSK	133222	100RB#0	5.28	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	4.77	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.13	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	4.77	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.20	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	6.02	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.10	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.66	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.00	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.87	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.05	13	PASS

Test Graphs





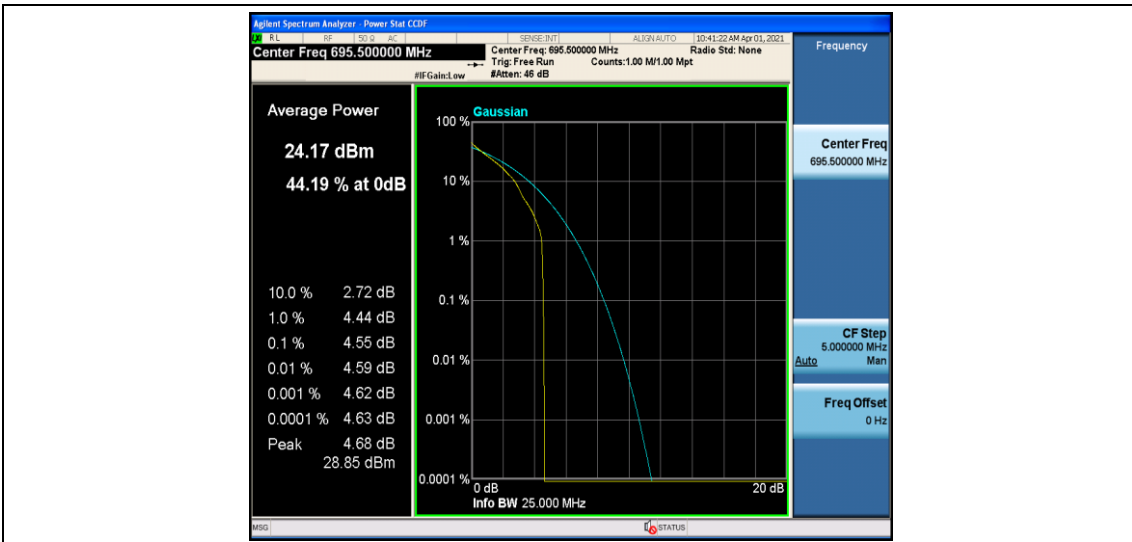
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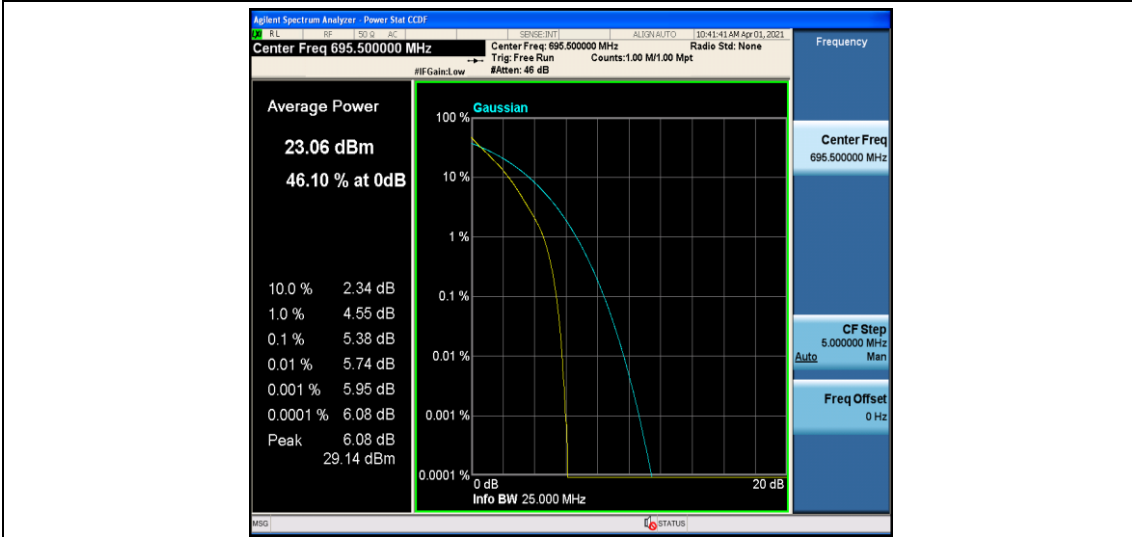
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Band71_5MHz_QPSK_133447_1RB#0



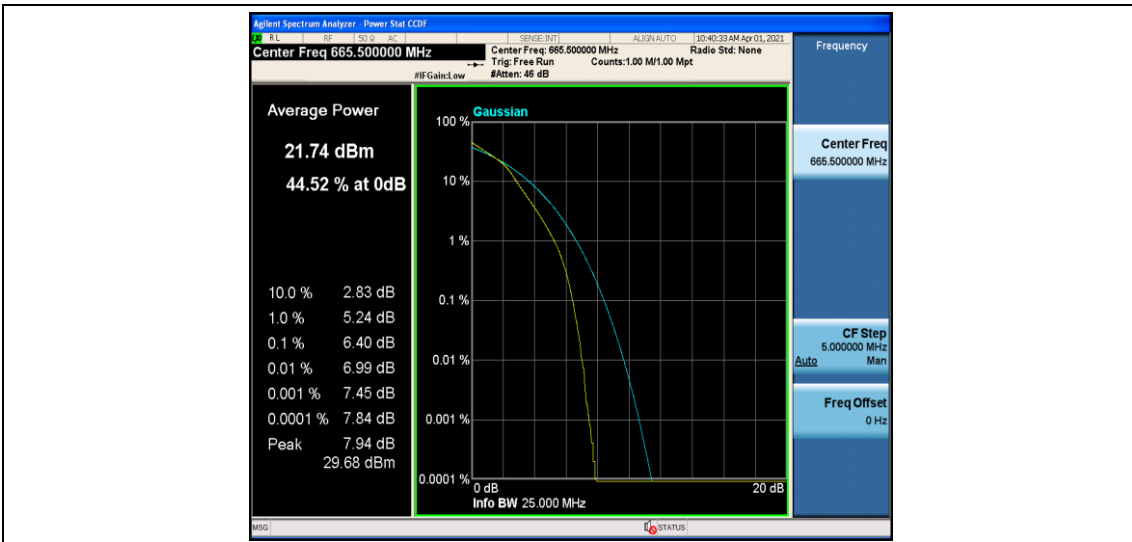
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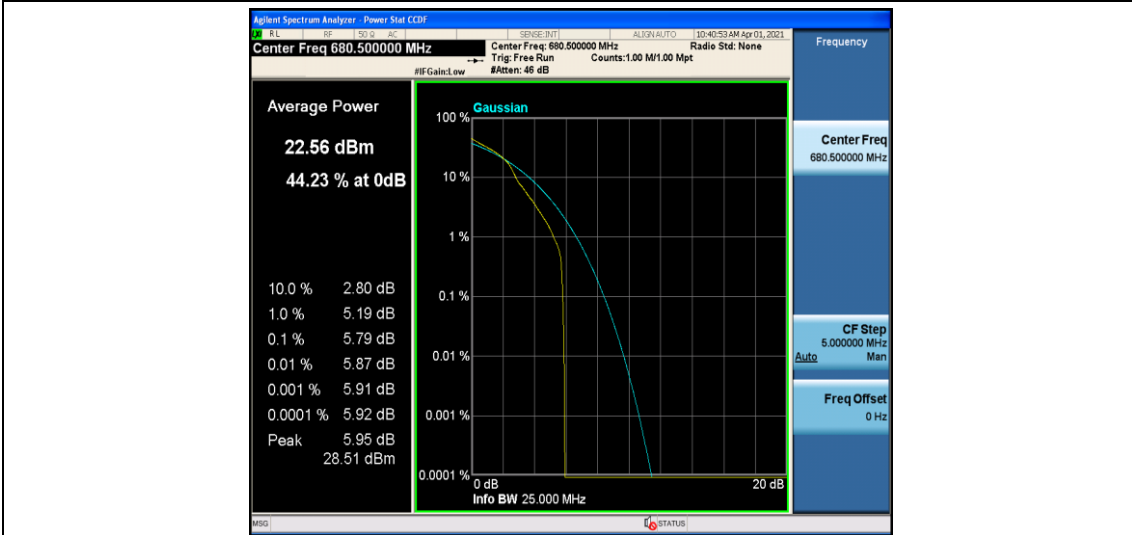
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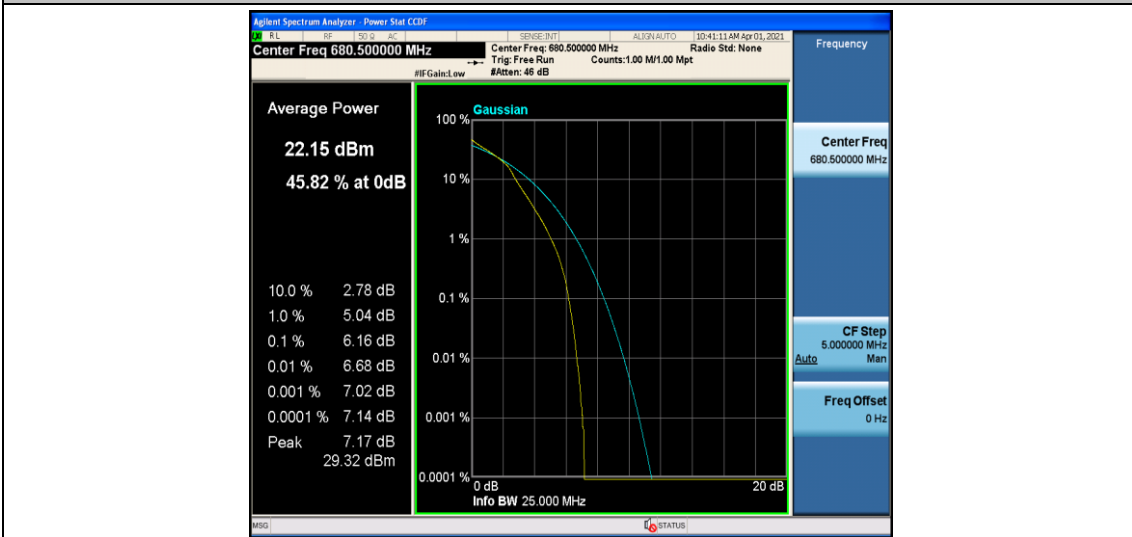
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Band71_5MHz_16QAM_133297_1RB#0



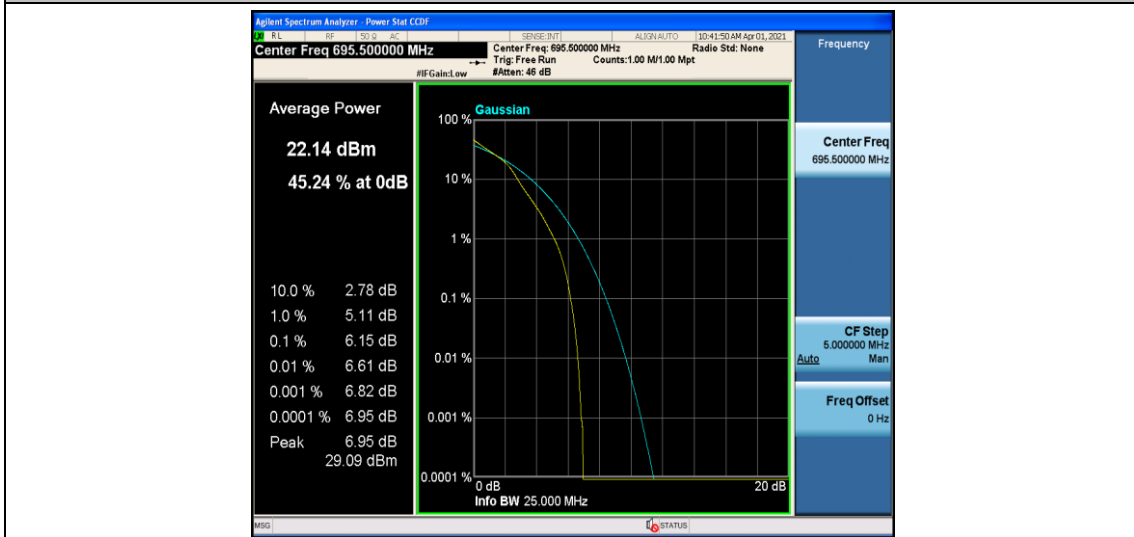
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Band71_5MHz_16QAM_133447_1RB#0



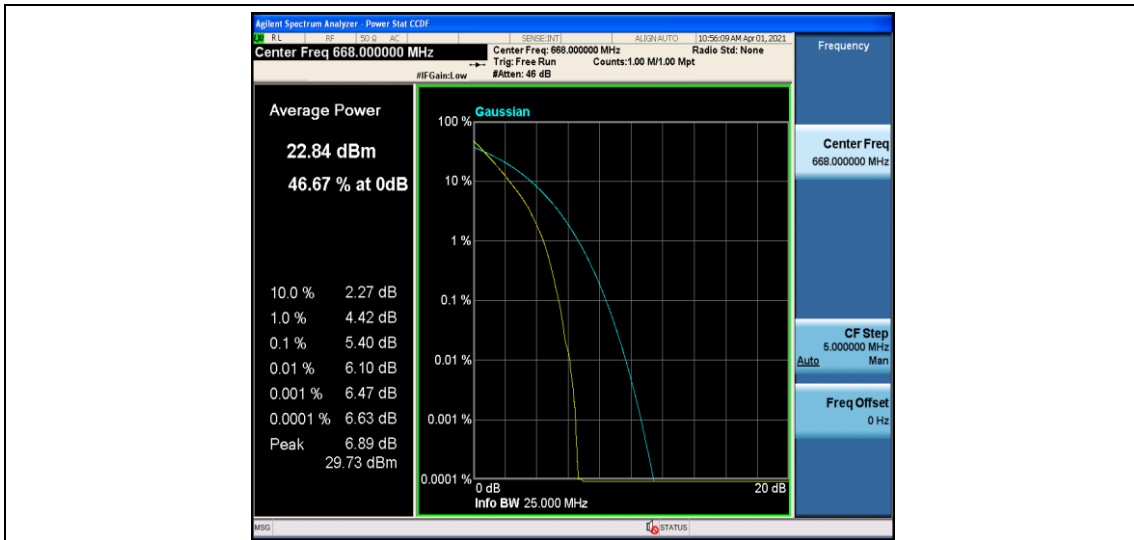
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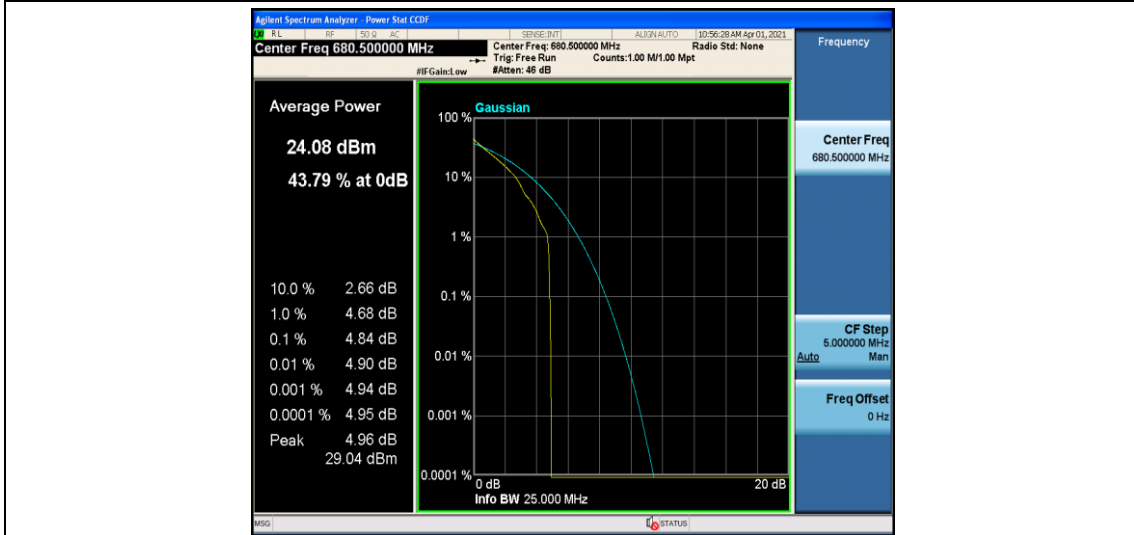
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Band71_10MHz_QPSK_133172_50RB#0



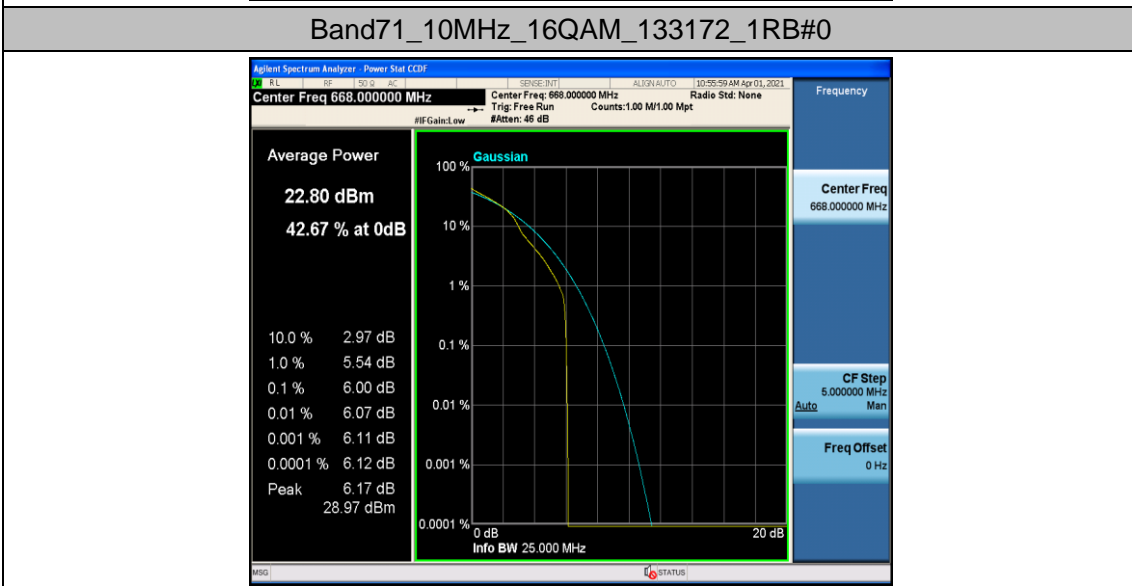
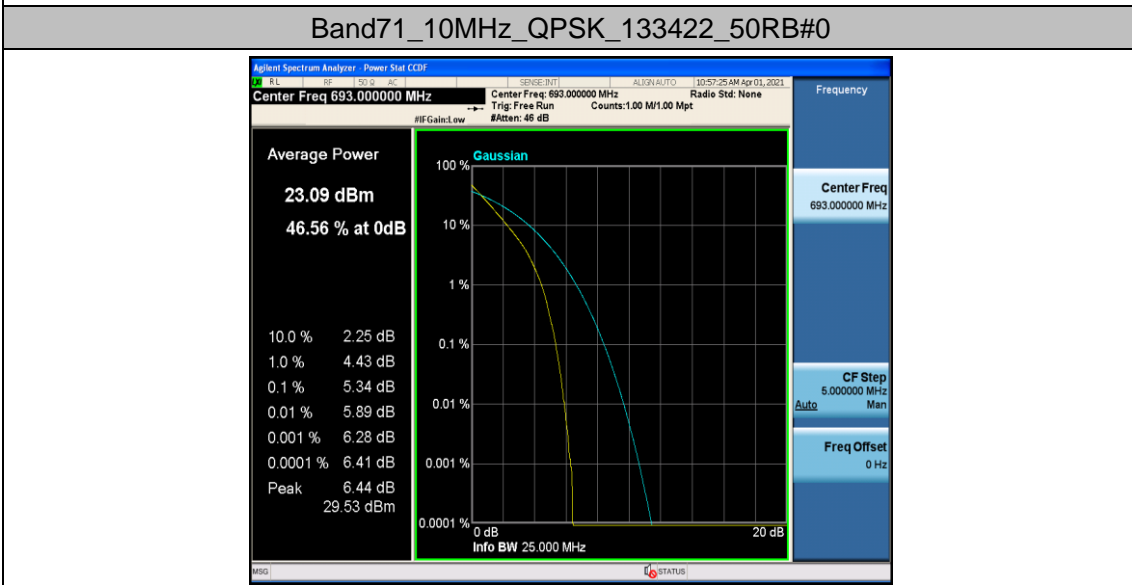
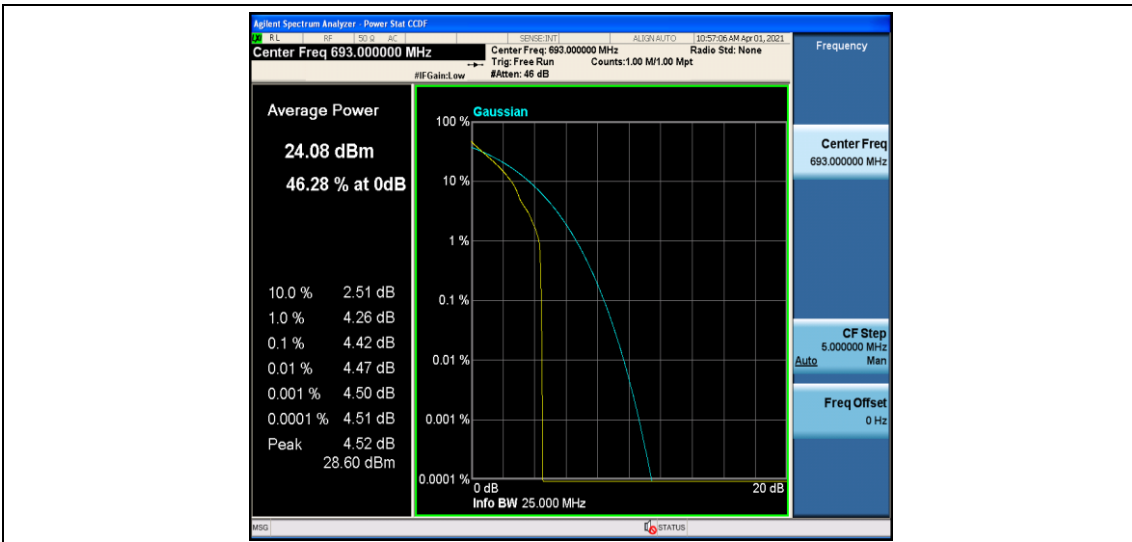
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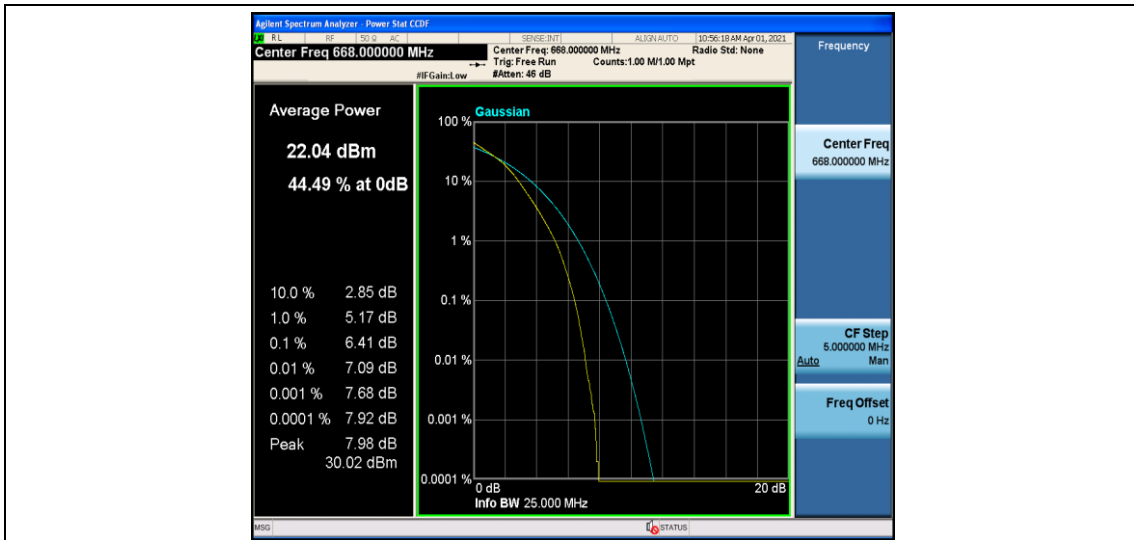


Band71_10MHz_QPSK_133297_50RB#0



Band71_10MHz_QPSK_133422_1RB#0

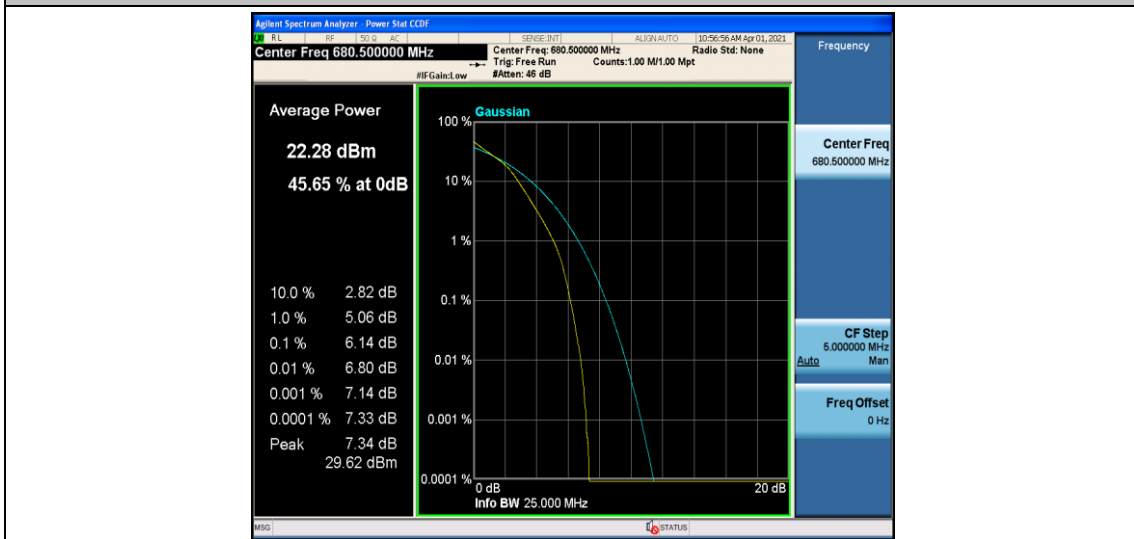




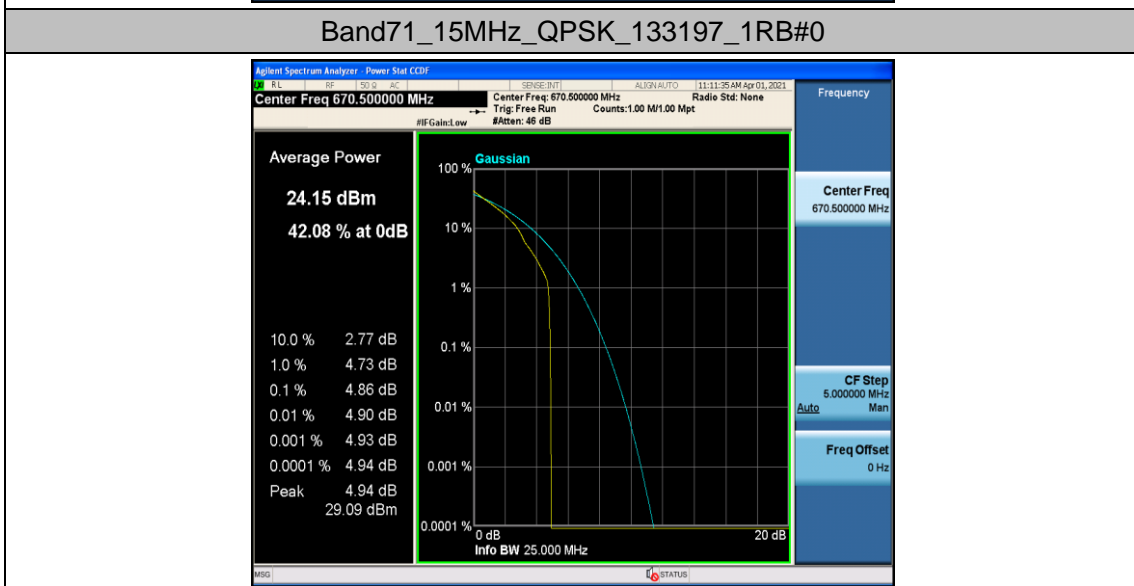
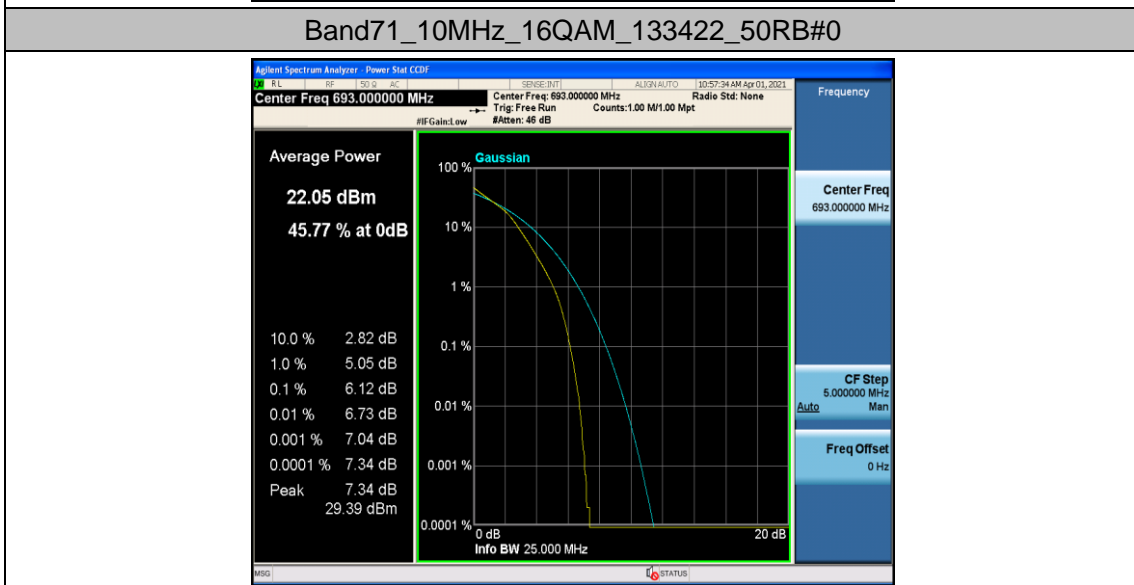
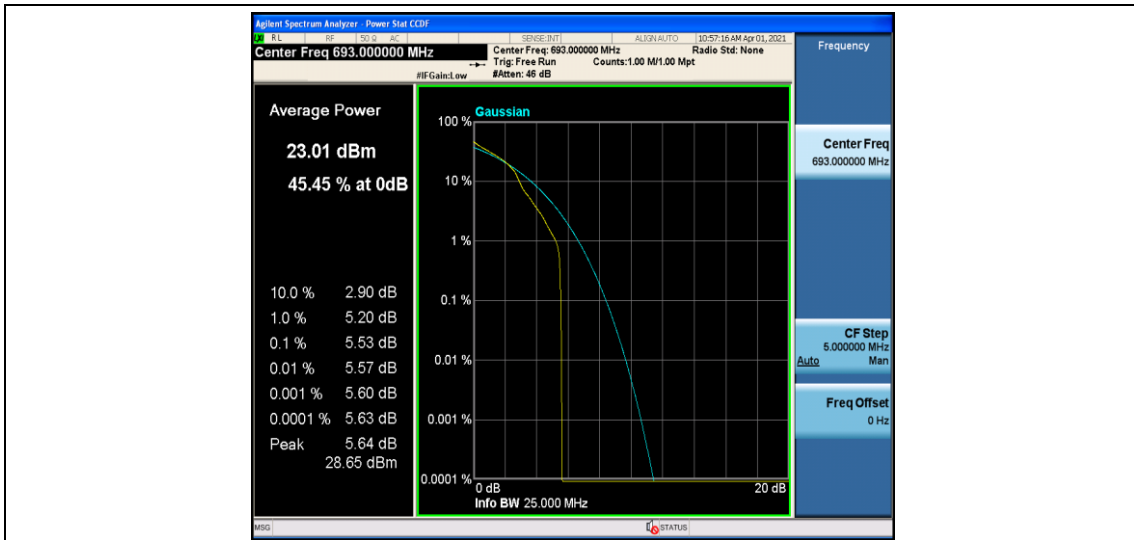
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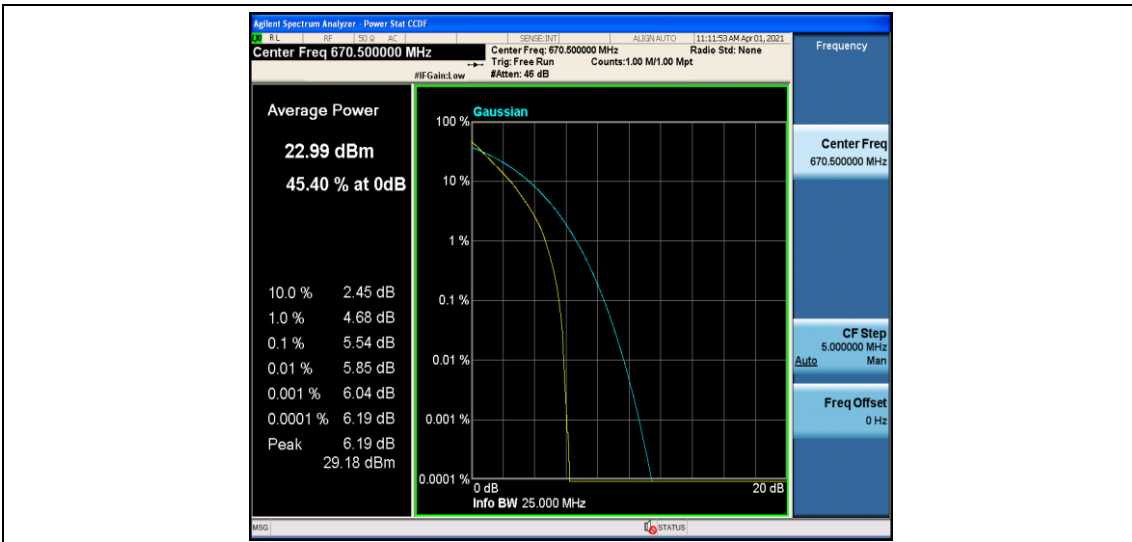


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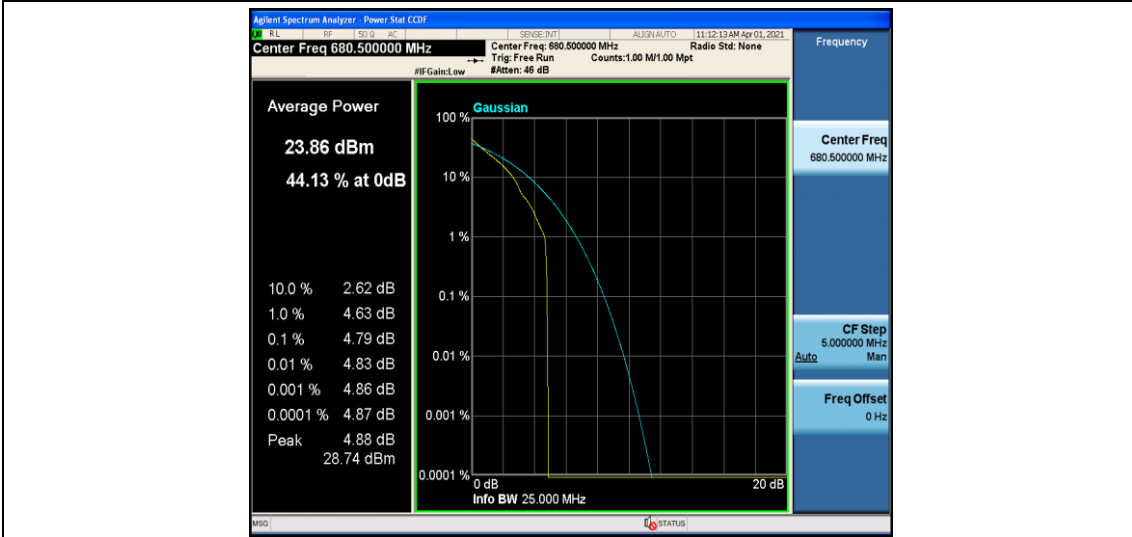


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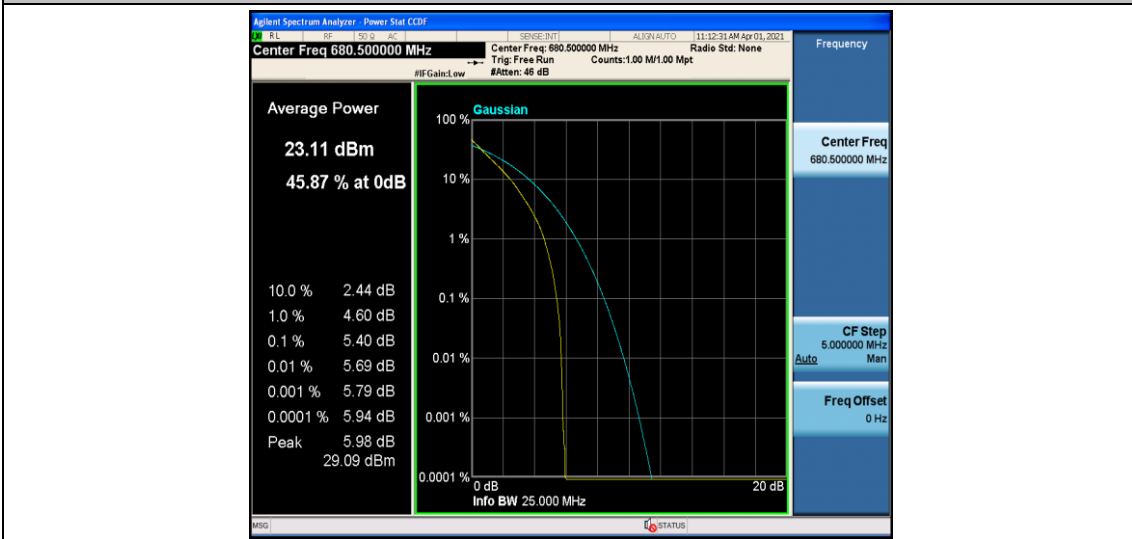




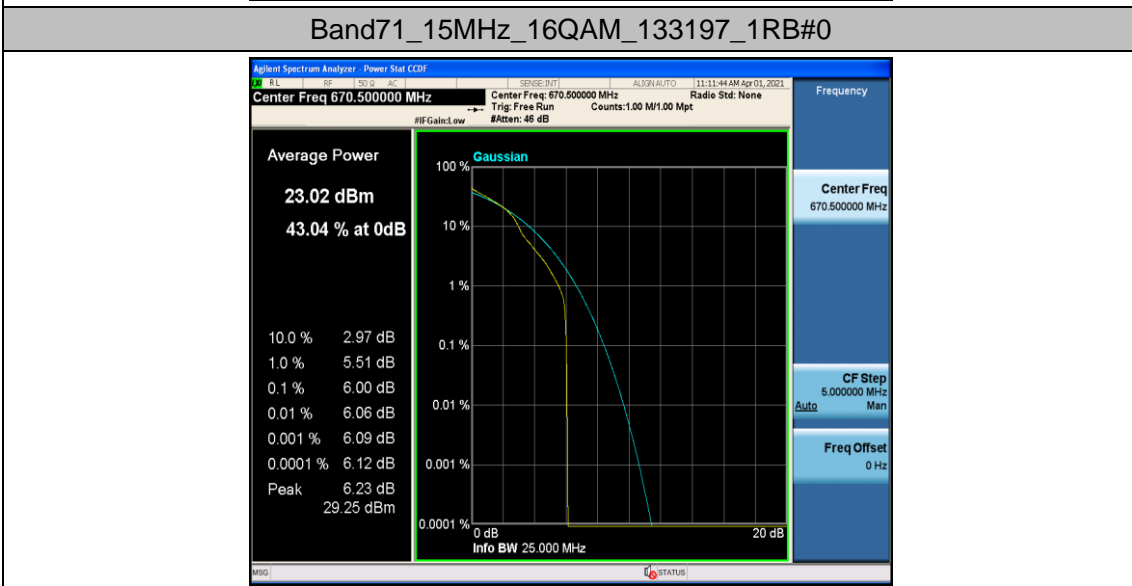
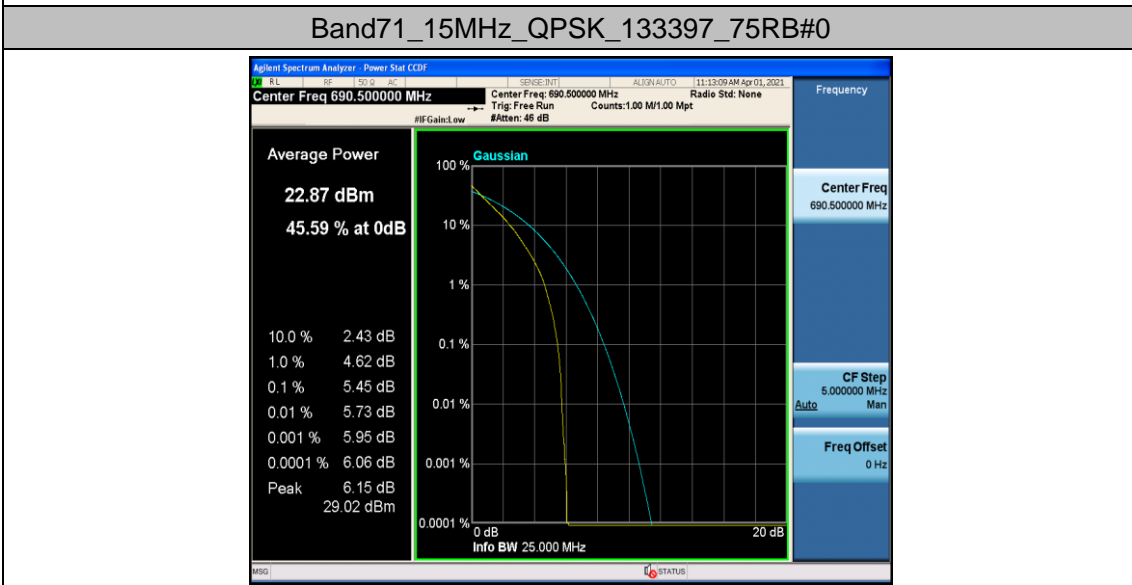
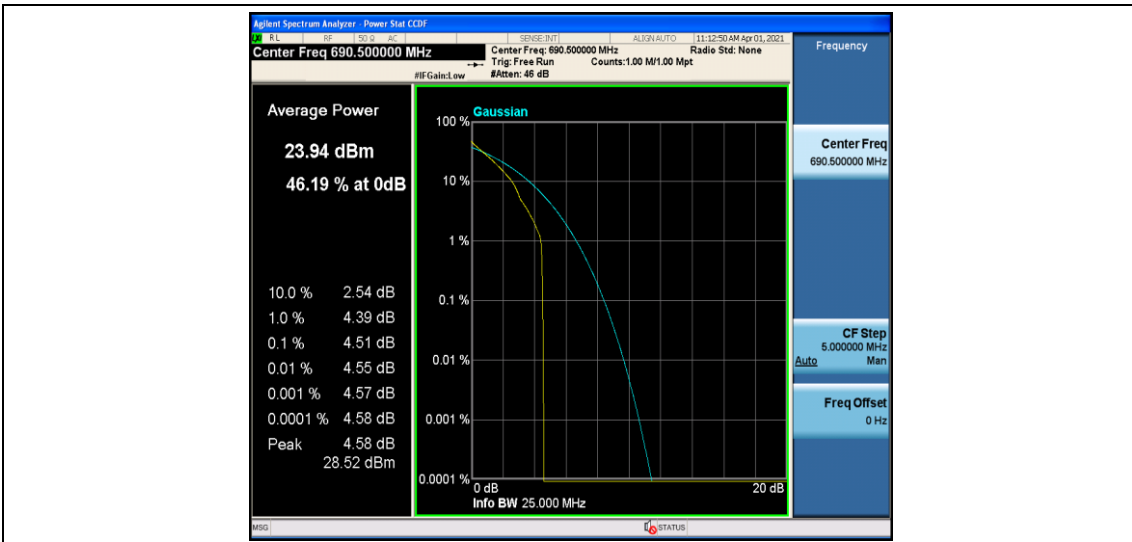
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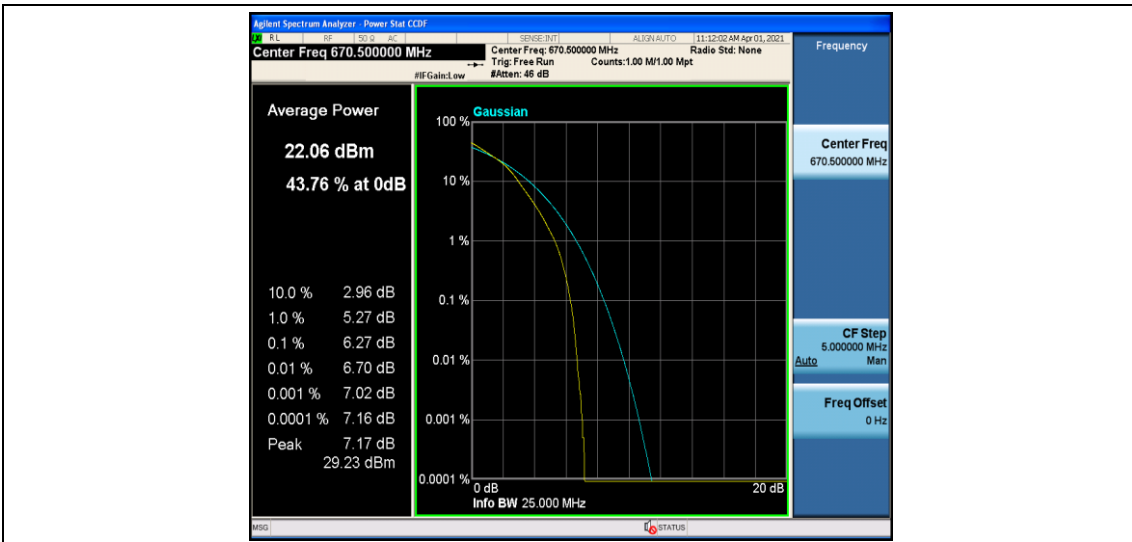


Band71_15MHz_QPSK_133297_75RB#0

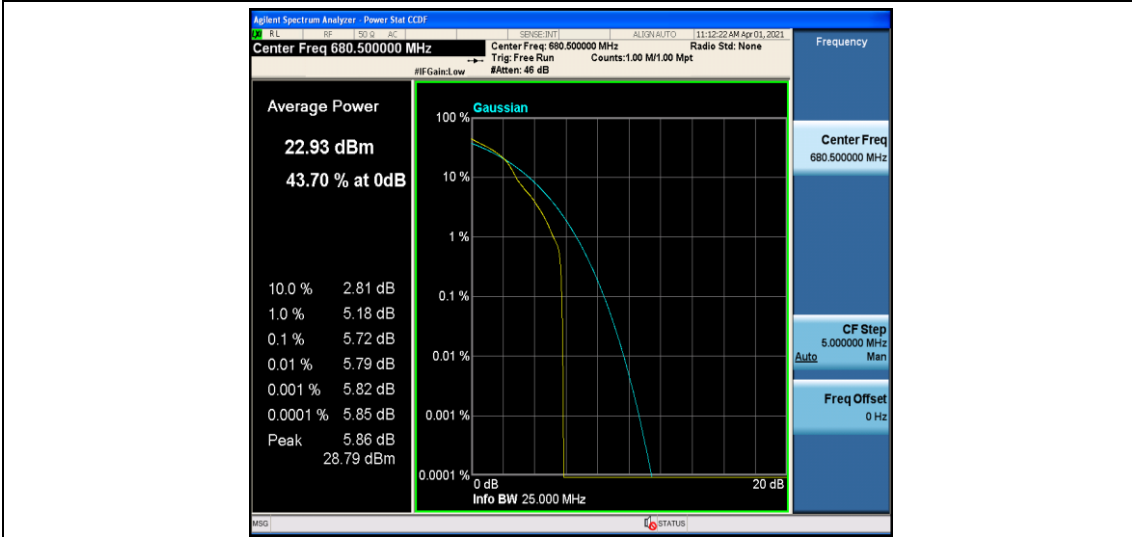


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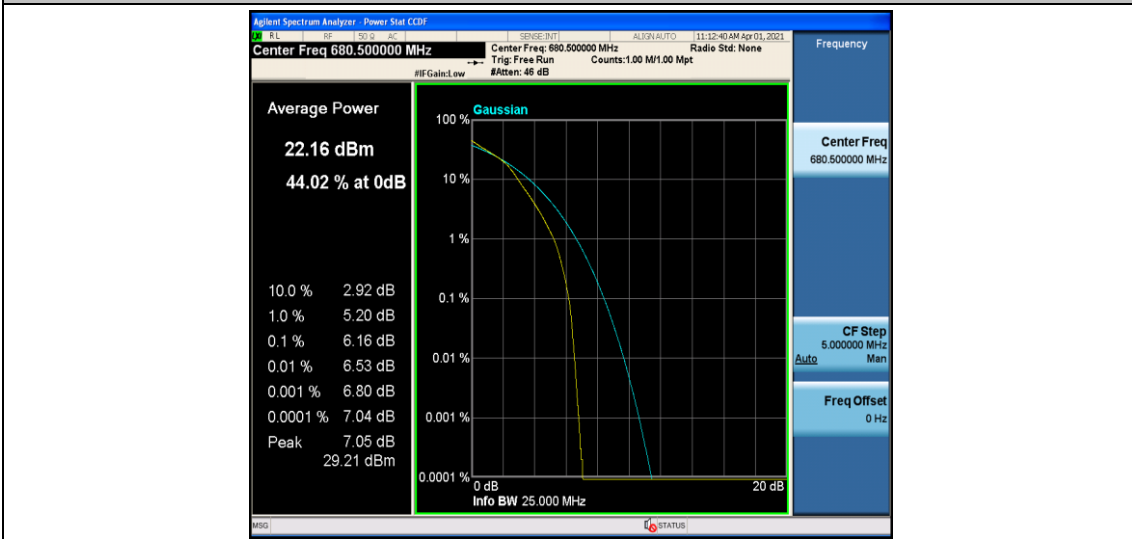




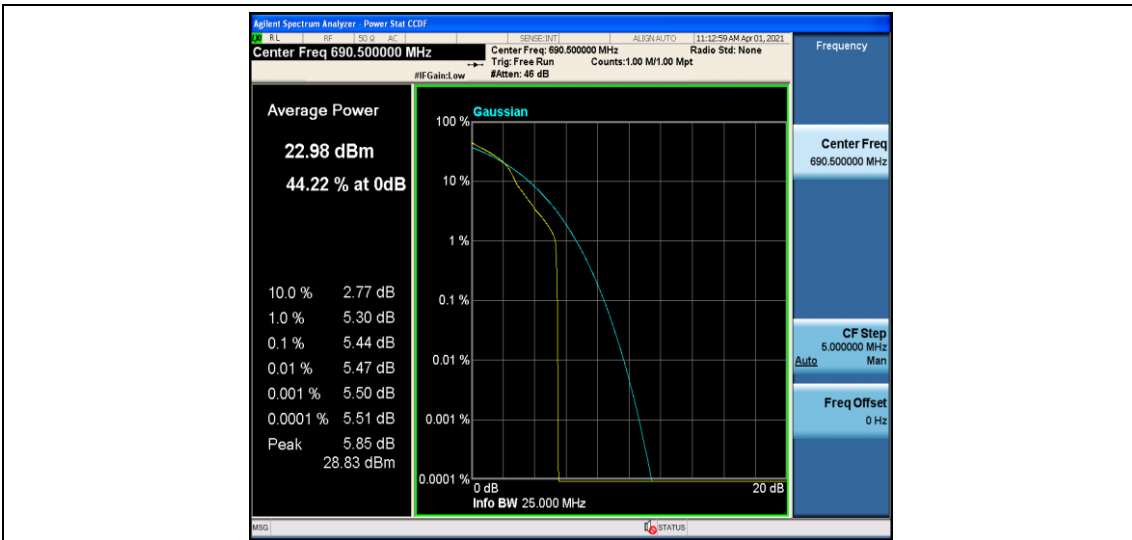
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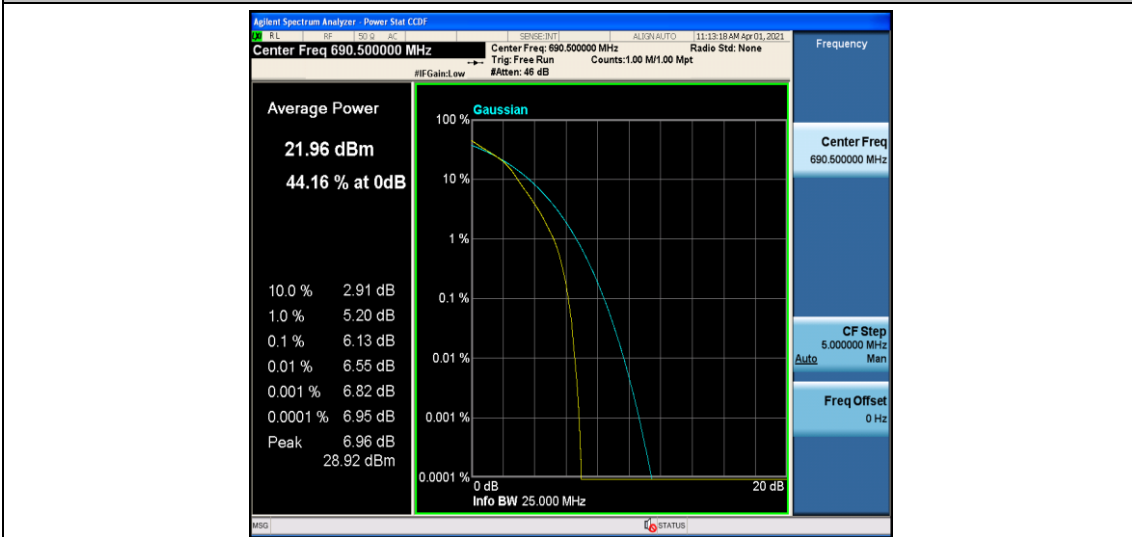
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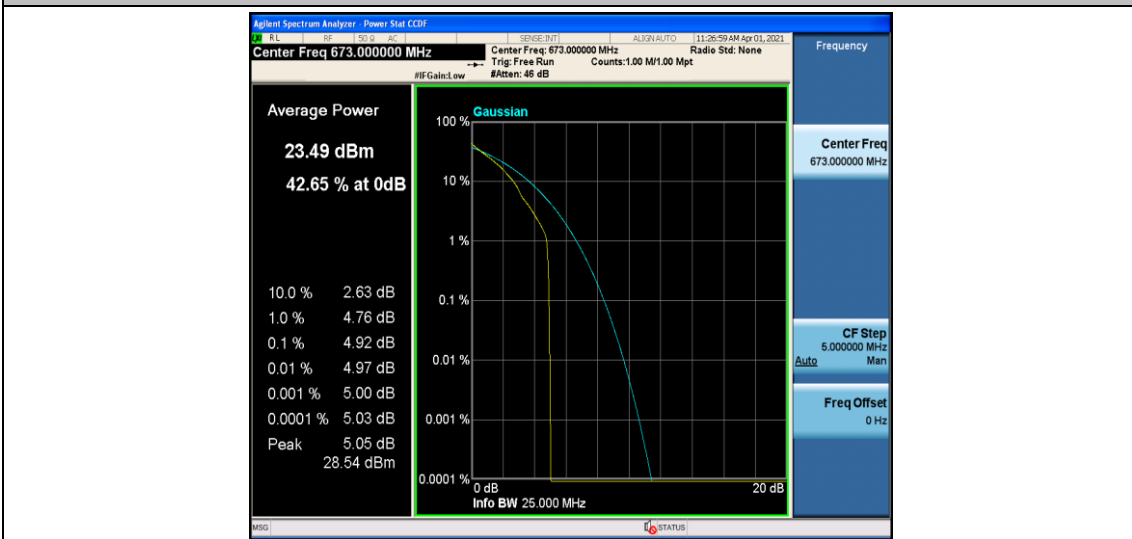
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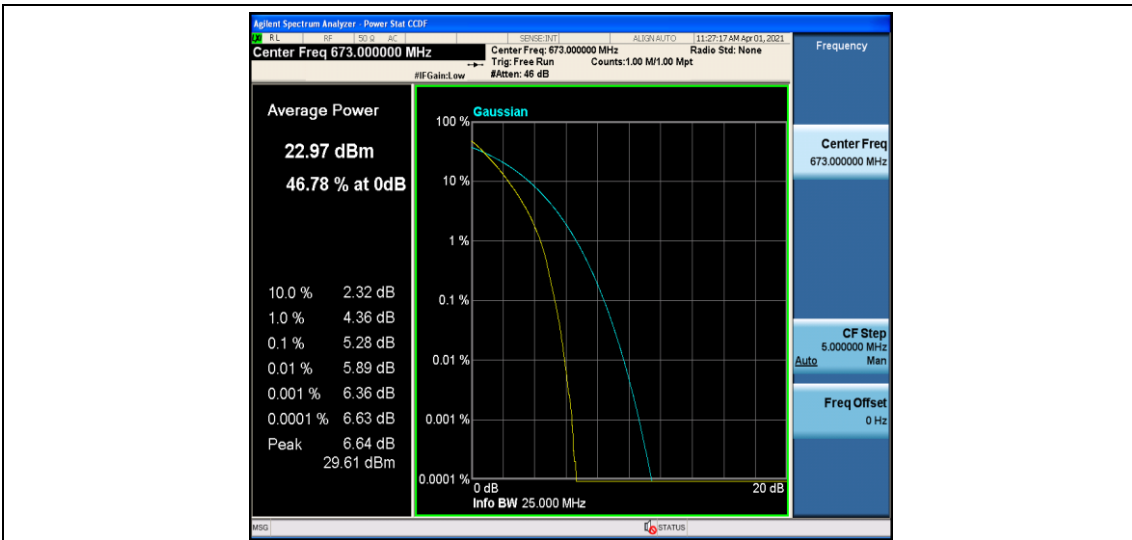
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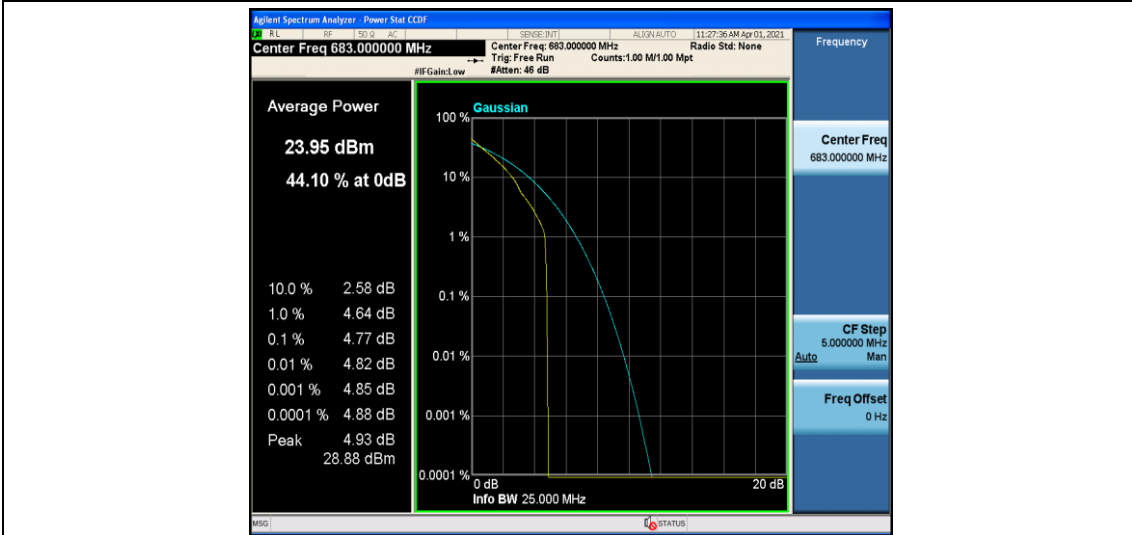
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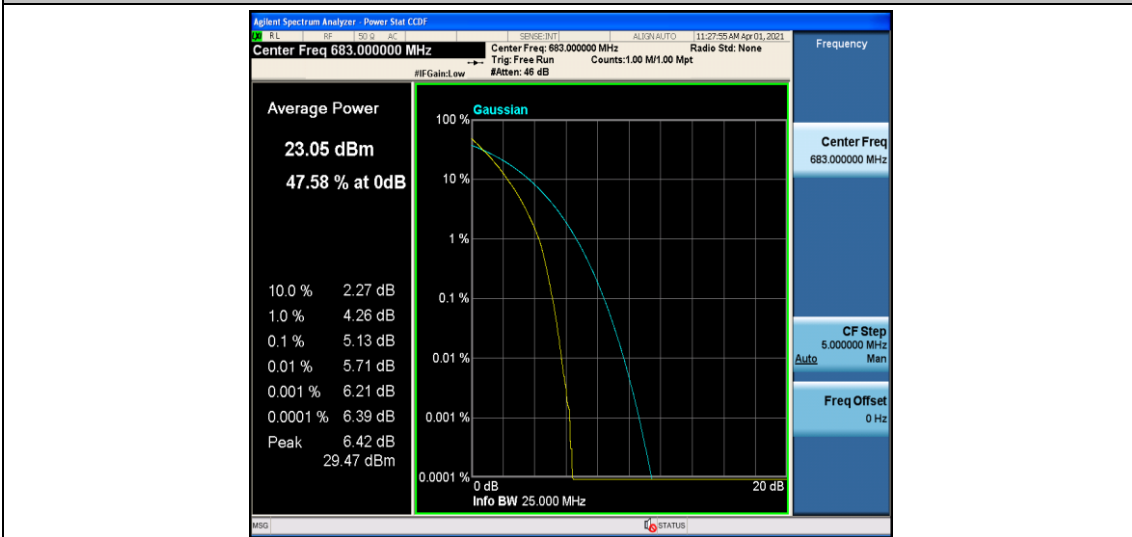
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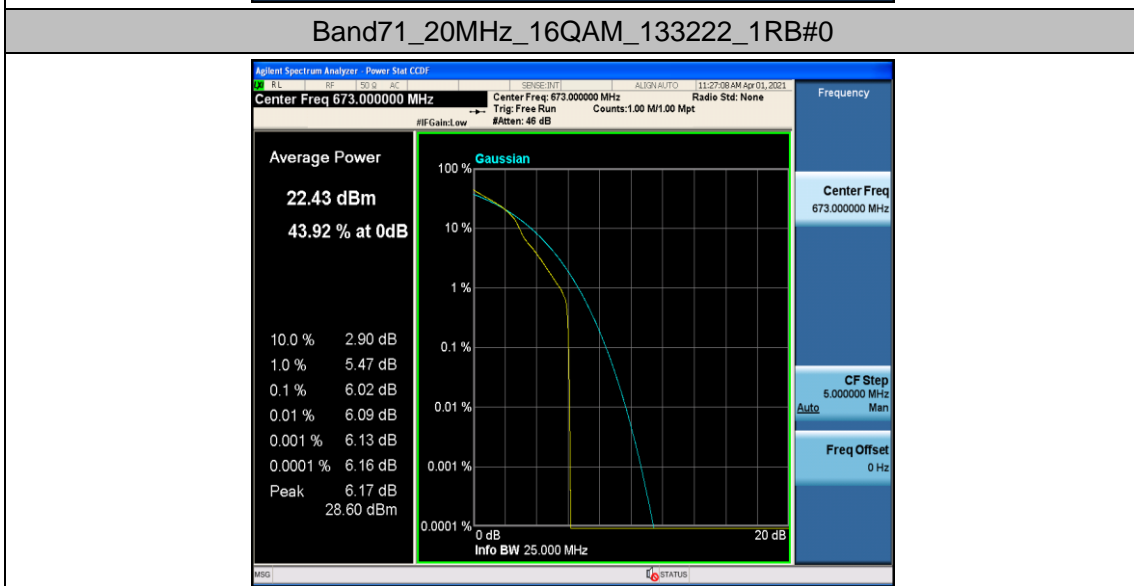
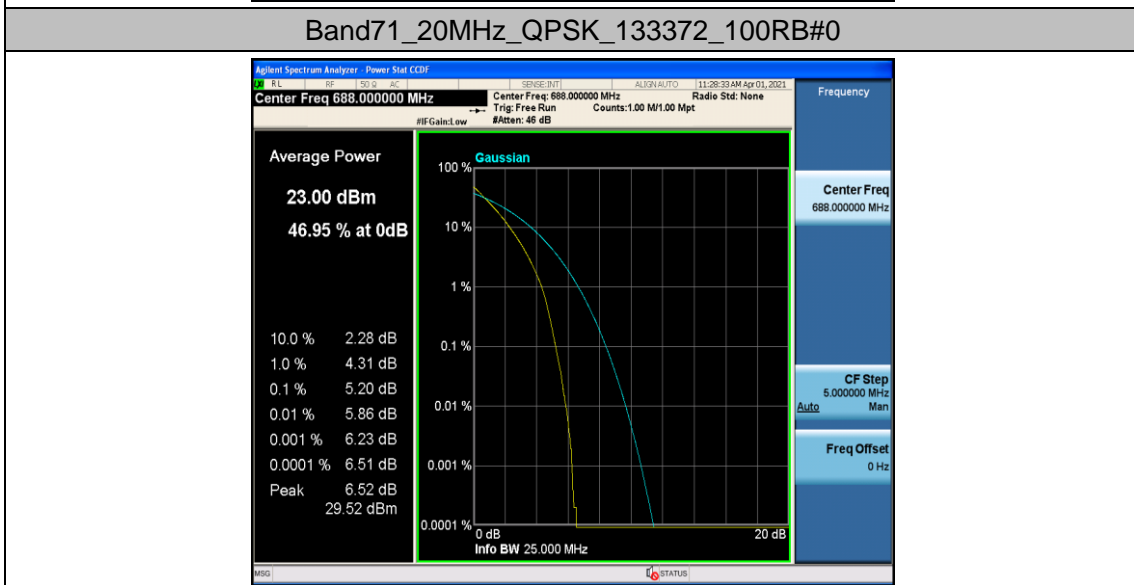
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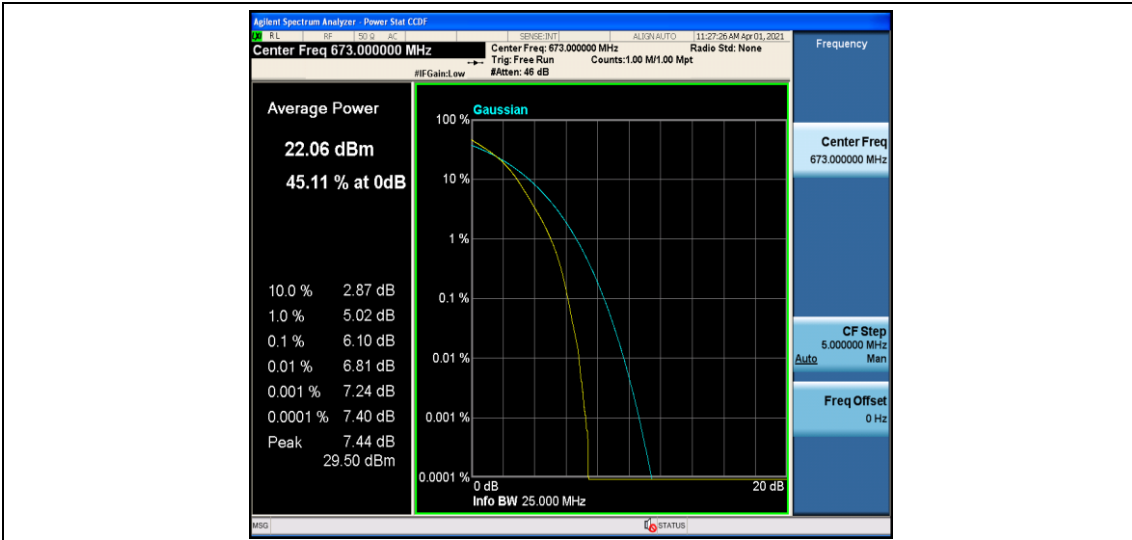


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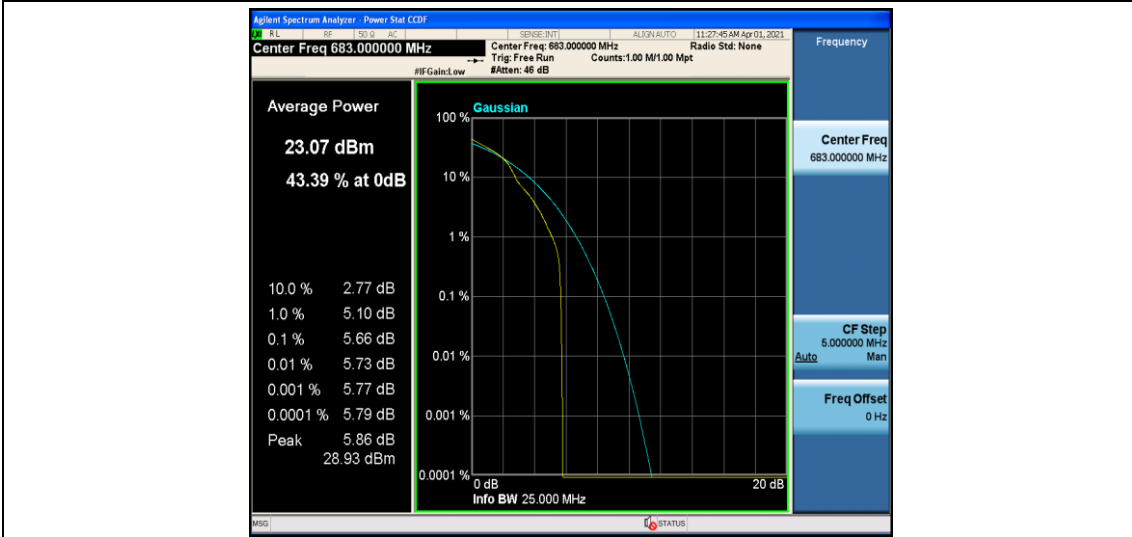


Band71_20MHz_QPSK_133372_1RB#0

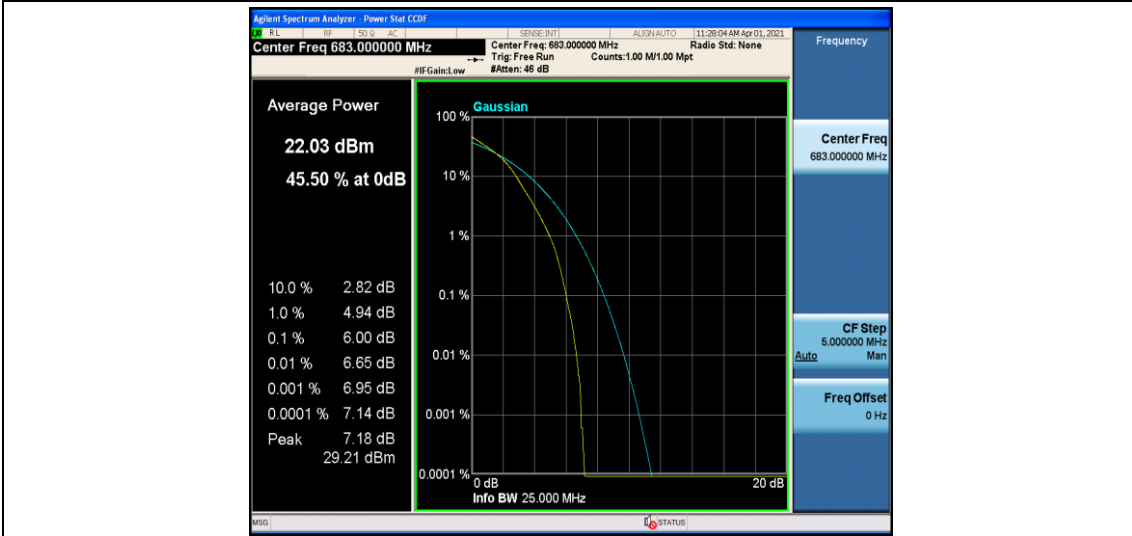




Band71_20MHz_16QAM_133322_1RB#0



Band71_20MHz_16QAM_133322_100RB#0



Band71_20MHz_16QAM_133372_1RB#0