

Appendix For Band17

Appendix A: RF Power Output And Effective Isotropic Radiated Power

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Modulation	Channel	RB Configuration		Average Power [dBm]	Antenna Gain (dBd)	E.i.r.p [dBm]	Verdict
		Size	Offset				
QPSK	LCH	1	0	23.32	-2.85	20.47	PASS
		1	12	23.23	-2.85	20.38	PASS
		1	24	23.00	-2.85	20.15	PASS
		12	0	22.37	-2.85	19.52	PASS
		12	6	22.27	-2.85	19.42	PASS
		12	13	22.17	-2.85	19.32	PASS
		25	0	22.20	-2.85	19.35	PASS
	MCH	1	0	23.06	-2.85	20.21	PASS
		1	12	23.02	-2.85	20.17	PASS
		1	24	22.86	-2.85	20.01	PASS
		12	0	22.06	-2.85	19.21	PASS
		12	6	22.00	-2.85	19.15	PASS
		12	13	21.96	-2.85	19.11	PASS
		25	0	21.95	-2.85	19.1	PASS
	HCH	1	0	22.92	-2.85	20.07	PASS
		1	12	23.04	-2.85	20.19	PASS
		1	24	23.03	-2.85	20.18	PASS
		12	0	21.95	-2.85	19.1	PASS
		12	6	21.95	-2.85	19.1	PASS
		12	13	21.94	-2.85	19.09	PASS
		25	0	21.91	-2.85	19.06	PASS
16QAM	LCH	1	0	22.72	-2.85	19.87	PASS
		1	12	22.58	-2.85	19.73	PASS
		1	24	22.40	-2.85	19.55	PASS
		12	0	21.55	-2.85	18.7	PASS
		12	6	21.45	-2.85	18.6	PASS
		12	13	21.37	-2.85	18.52	PASS
		25	0	21.31	-2.85	18.46	PASS
	MCH	1	0	22.47	-2.85	19.62	PASS
		1	12	22.45	-2.85	19.6	PASS
		1	24	22.31	-2.85	19.46	PASS
		12	0	21.27	-2.85	18.42	PASS

		12	6	21.23	-2.85	18.38	PASS
		12	13	21.18	-2.85	18.33	PASS
		25	0	21.05	-2.85	18.2	PASS
	HCH	1	0	21.98	-2.85	19.13	PASS
		1	12	22.02	-2.85	19.17	PASS
		1	24	21.95	-2.85	19.1	PASS
		12	0	21.03	-2.85	18.18	PASS
		12	6	21.03	-2.85	18.18	PASS
		12	13	21.03	-2.85	18.18	PASS
		25	0	20.99	-2.85	18.14	PASS

Note: Antenna Gain (dBd) = Antenna Gain (dBi) -2.15 = -0.7 - 2.15 = -2.85

Channel Bandwidth: 10 MHz

Channel Bandwidth: 5 MHz							
Modulation	Channel	RB Configuration		Average Power [dBm]	Antenna Gain (dBd)	E.i.r.p [dBm]	Verdict
		Size	Offset				
QPSK	LCH	1	0	23.29	-2.85	20.44	PASS
		1	24	22.94	-2.85	20.09	PASS
		1	49	22.83	-2.85	19.98	PASS
		25	0	22.21	-2.85	19.36	PASS
		25	12	22.05	-2.85	19.2	PASS
		25	25	21.98	-2.85	19.13	PASS
		50	0	22.09	-2.85	19.24	PASS
	MCH	1	0	23.18	-2.85	20.33	PASS
		1	24	22.92	-2.85	20.07	PASS
		1	49	22.84	-2.85	19.99	PASS
		25	0	22.14	-2.85	19.29	PASS
		25	12	22.02	-2.85	19.17	PASS
		25	25	21.96	-2.85	19.11	PASS
		50	0	22.05	-2.85	19.2	PASS
	HCH	1	0	23.19	-2.85	20.34	PASS
		1	24	22.91	-2.85	20.06	PASS
		1	49	22.93	-2.85	20.08	PASS
		25	0	22.05	-2.85	19.2	PASS
		25	12	21.95	-2.85	19.1	PASS
		25	25	21.95	-2.85	19.1	PASS
		50	0	22.00	-2.85	19.15	PASS
16QAM	LCH	1	0	22.56	-2.85	19.71	PASS
		1	24	22.28	-2.85	19.43	PASS
		1	49	22.17	-2.85	19.32	PASS
		25	0	21.31	-2.85	18.46	PASS
		25	12	21.11	-2.85	18.26	PASS

		25	25	21.03	-2.85	18.18	PASS
		50	0	21.15	-2.85	18.3	PASS
	MCH	1	0	22.45	-2.85	19.6	PASS
		1	24	22.26	-2.85	19.41	PASS
		1	49	22.13	-2.85	19.28	PASS
		25	0	21.20	-2.85	18.35	PASS
		25	12	21.06	-2.85	18.21	PASS
		25	25	21.00	-2.85	18.15	PASS
		50	0	21.12	-2.85	18.27	PASS
	HCH	1	0	22.55	-2.85	19.7	PASS
		1	24	22.36	-2.85	19.51	PASS
		1	49	22.31	-2.85	19.46	PASS
		25	0	21.15	-2.85	18.3	PASS
		25	12	21.05	-2.85	18.2	PASS
		25	25	21.02	-2.85	18.17	PASS
		50	0	21.12	-2.85	18.27	PASS

Note: Antenna Gain (dBd) = Antenna Gain (dBi) -2.15 = -0.7 – 2.15 = -2.85

Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.72	<13	PASS
		1	12	3.84	<13	PASS
		1	24	4.35	<13	PASS
		12	0	4.97	<13	PASS
		12	6	5.21	<13	PASS
		12	13	5.48	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	4.22	<13	PASS
		1	12	4.78	<13	PASS
		1	24	4.52	<13	PASS
		12	0	5.79	<13	PASS
		12	6	5.89	<13	PASS
		12	13	5.87	<13	PASS
		25	0	5.94	<13	PASS
	HCH	1	0	4.46	<13	PASS
		1	12	4.22	<13	PASS
		1	24	3.94	<13	PASS
		12	0	5.72	<13	PASS
		12	6	5.48	<13	PASS
		12	13	5.19	<13	PASS
		25	0	5.54	<13	PASS
16QAM	LCH	1	0	4.8	<13	PASS
		1	12	4.77	<13	PASS
		1	24	5.48	<13	PASS
		12	0	5.82	<13	PASS
		12	6	6.01	<13	PASS
		12	13	6.4	<13	PASS
		25	0	6.21	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	12	5.42	<13	PASS
		1	24	5.28	<13	PASS
		12	0	6.74	<13	PASS
		12	6	6.74	<13	PASS

		12	13	6.85	<13	PASS
		25	0	6.72	<13	PASS
	HCH	1	0	5.58	<13	PASS
		1	12	5.16	<13	PASS
		1	24	4.72	<13	PASS
		12	0	6.48	<13	PASS
		12	6	6.24	<13	PASS
		12	13	6.03	<13	PASS
		25	0	6.35	<13	PASS

Channel Bandwidth: 10 MHz

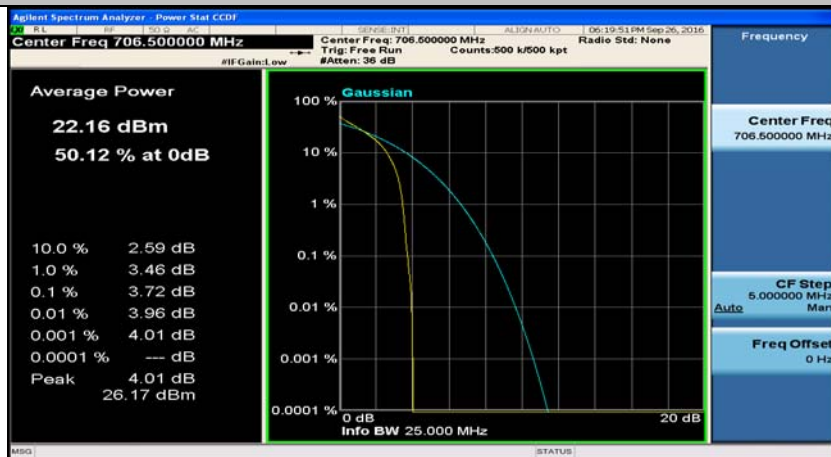
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.69	<13	PASS
		1	24	4.48	<13	PASS
		1	49	4.23	<13	PASS
		25	0	5.37	<13	PASS
		25	12	5.93	<13	PASS
		25	25	5.74	<13	PASS
		50	0	5.73	<13	PASS
	MCH	1	0	3.7	<13	PASS
		1	24	4.61	<13	PASS
		1	49	4.14	<13	PASS
		25	0	5.73	<13	PASS
		25	12	5.91	<13	PASS
		25	25	5.63	<13	PASS
		50	0	5.69	<13	PASS
	HCH	1	0	3.75	<13	PASS
		1	24	4.5	<13	PASS
		1	49	3.72	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.79	<13	PASS
		25	25	5.44	<13	PASS
		50	0	5.66	<13	PASS
16QAM	LCH	1	0	4.65	<13	PASS
		1	24	5.49	<13	PASS
		1	49	5.12	<13	PASS
		25	0	6.27	<13	PASS
		25	12	6.77	<13	PASS
		25	25	6.67	<13	PASS
		50	0	6.49	<13	PASS

	MCH	1	0	4.66	<13	PASS
		1	24	5.45	<13	PASS
		1	49	4.89	<13	PASS
		25	0	6.61	<13	PASS
		25	12	6.77	<13	PASS
		25	25	6.54	<13	PASS
		50	0	6.51	<13	PASS
	HCH	1	0	4.93	<13	PASS
		1	24	5.36	<13	PASS
		1	49	4.78	<13	PASS
		25	0	6.73	<13	PASS
		25	12	6.65	<13	PASS
		25	25	6.3	<13	PASS
		50	0	6.42	<13	PASS

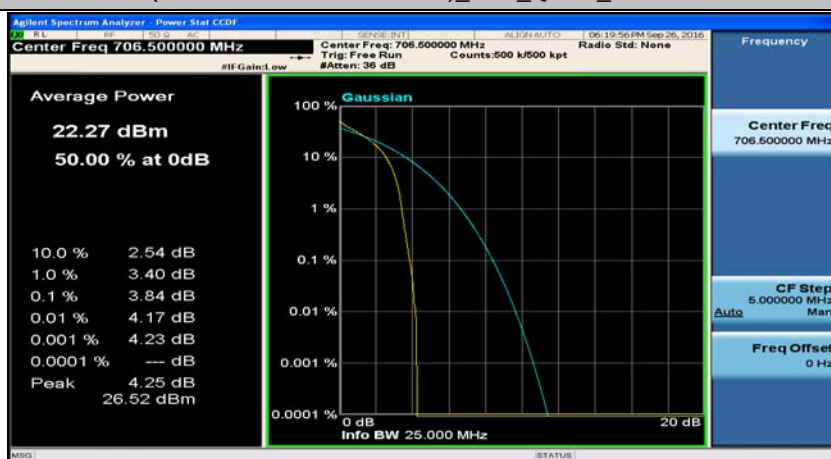
Test Graphs

Channel Bandwidth: 5 MHz

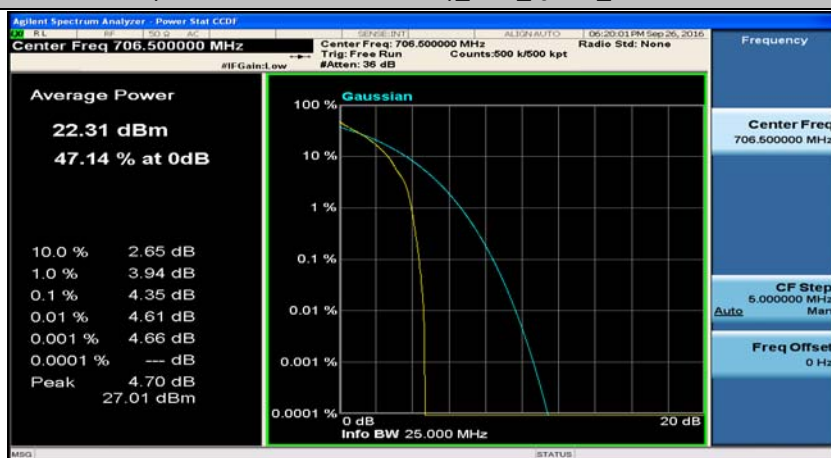
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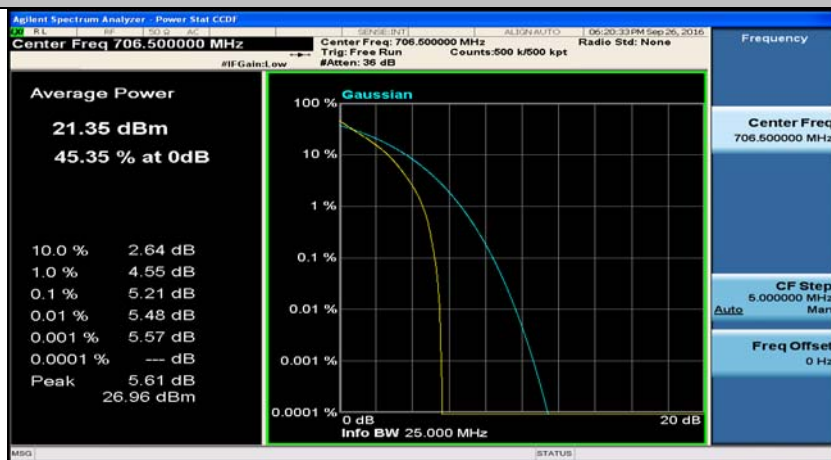
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(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



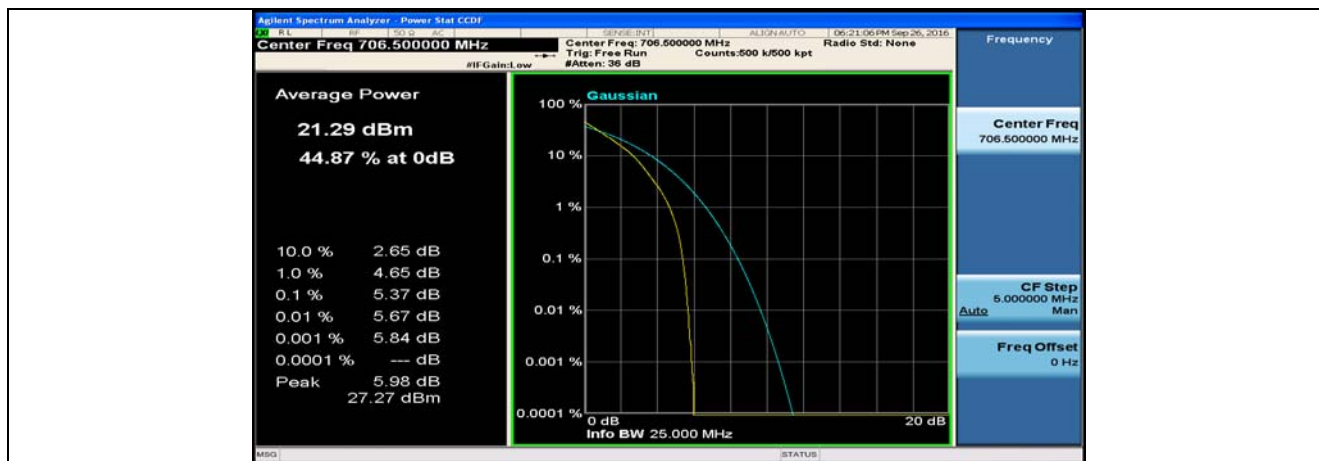
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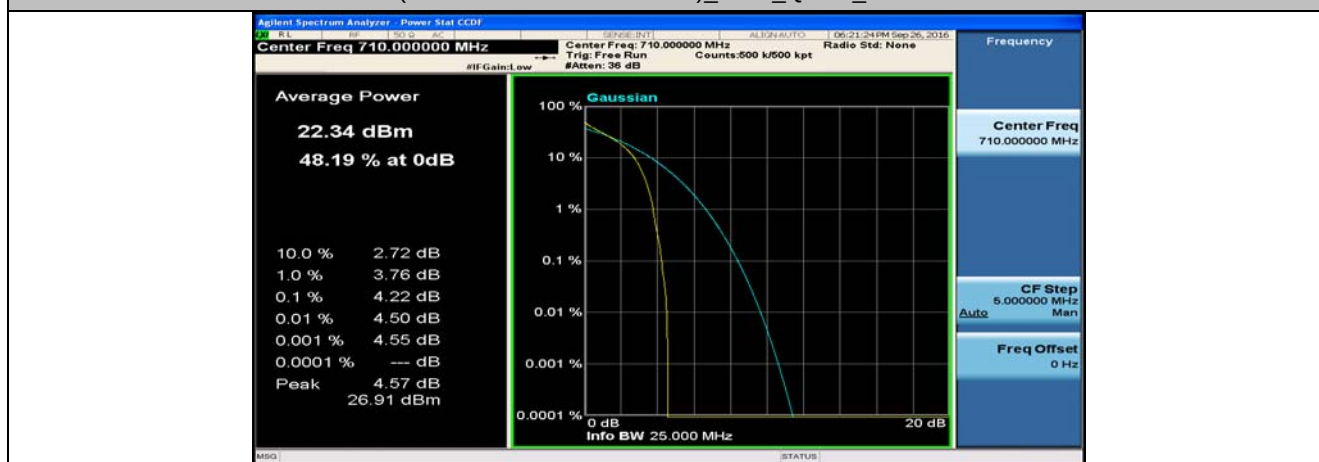
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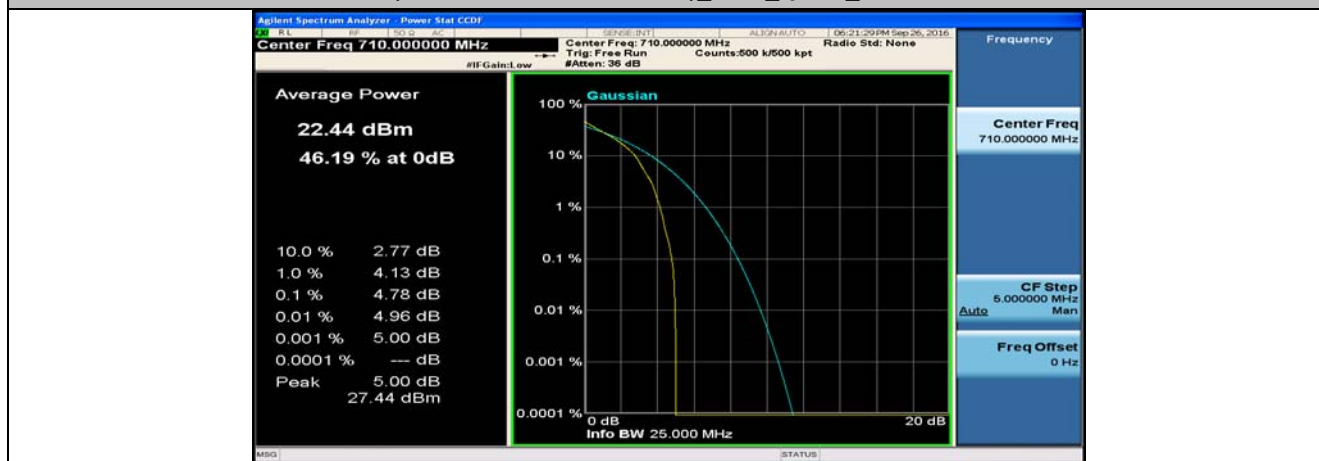
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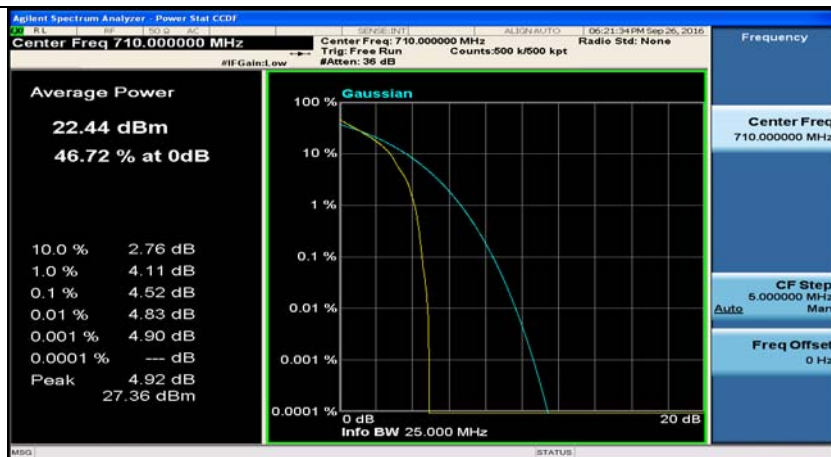
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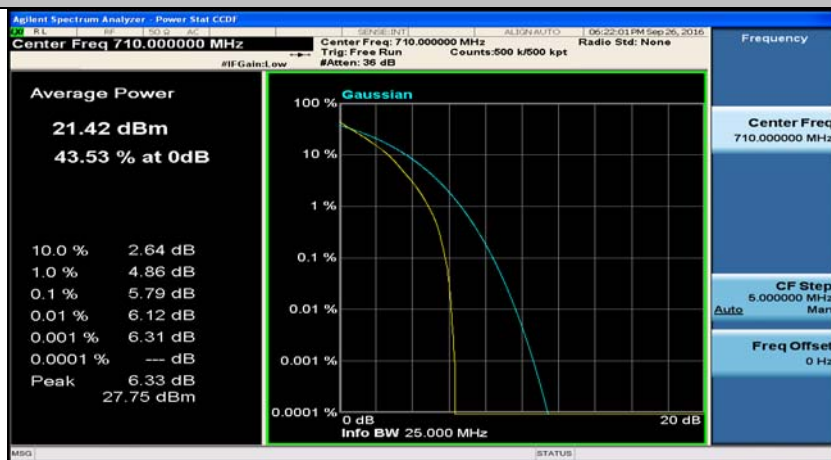
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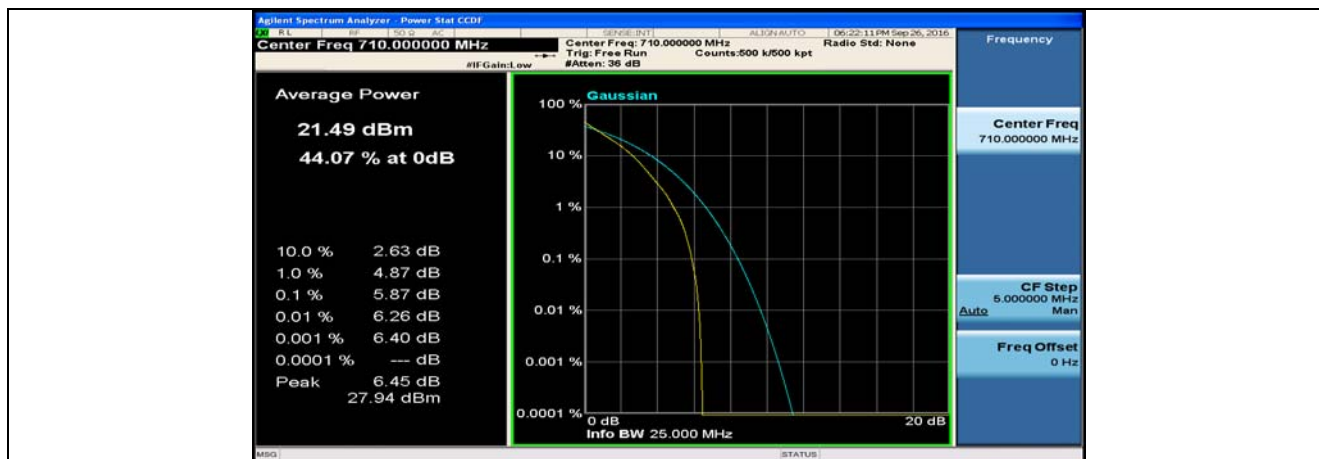
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



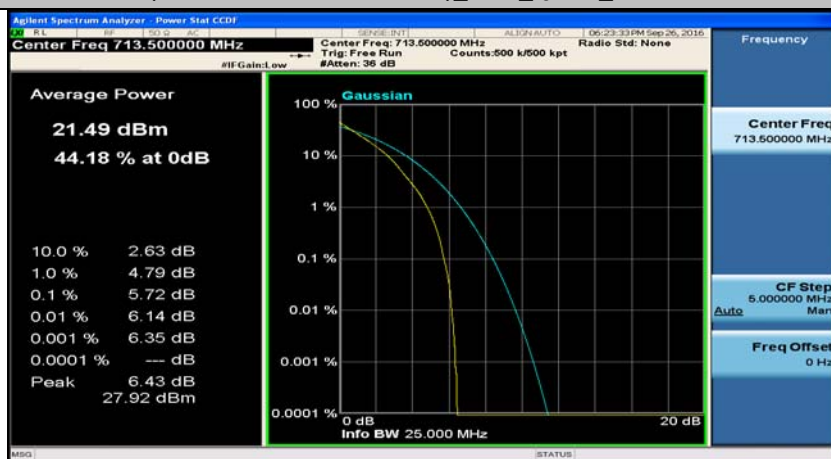
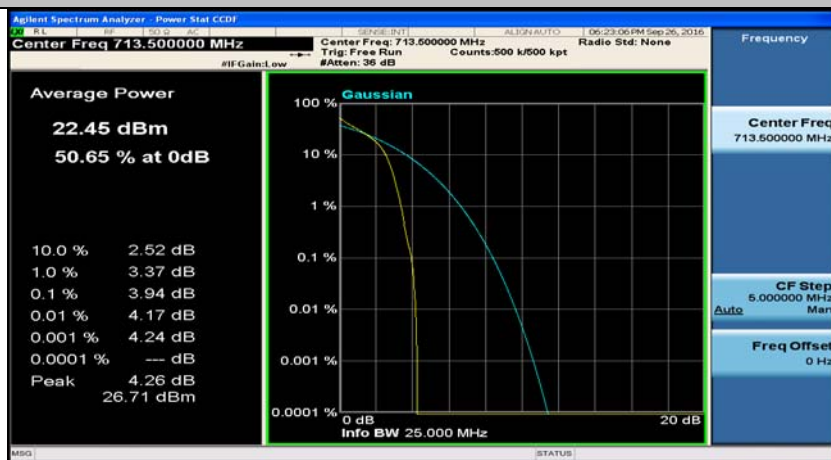
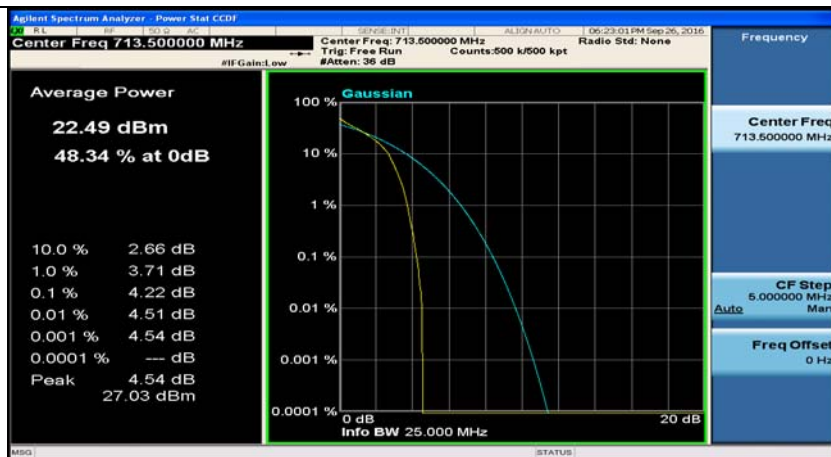
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

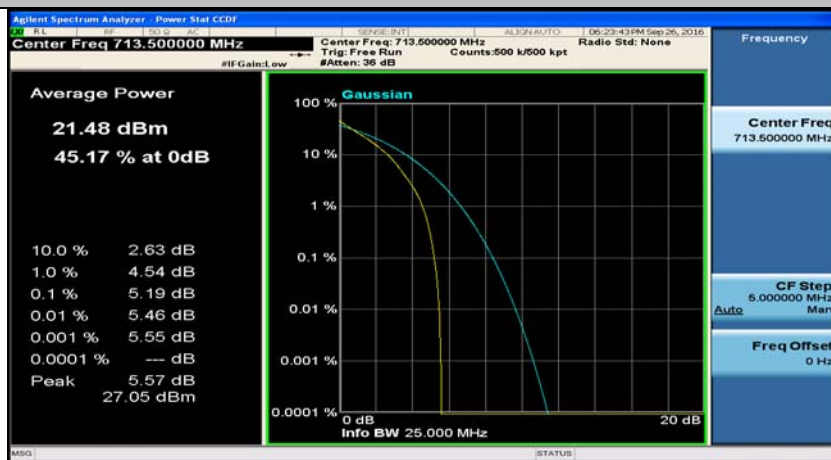


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(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



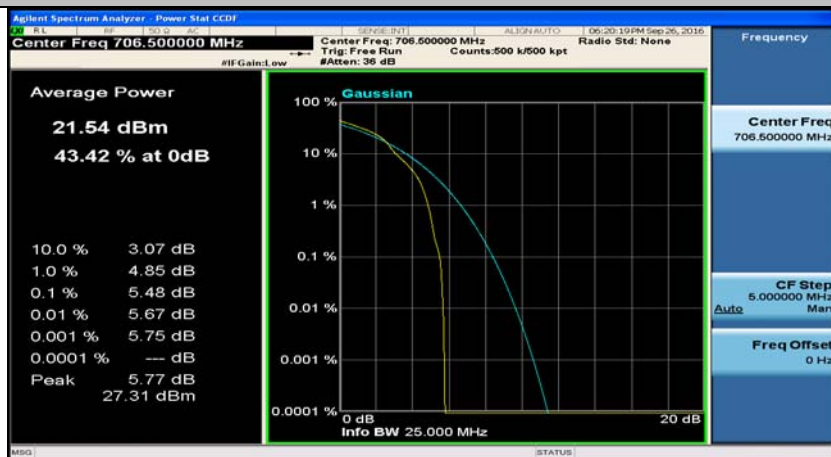
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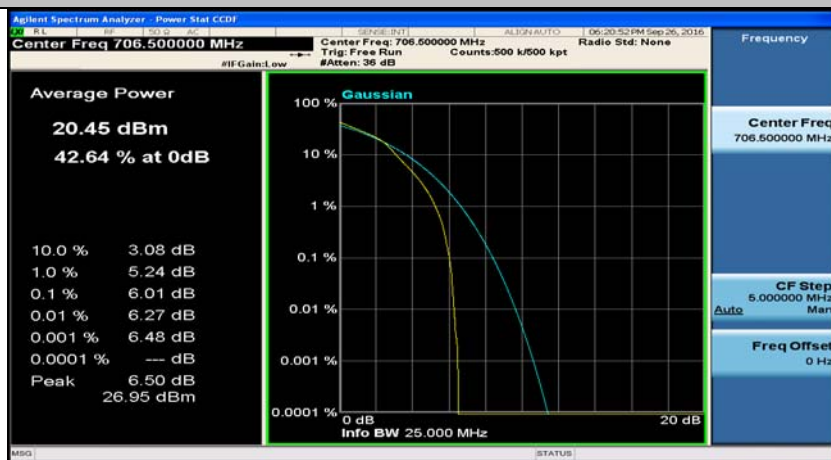
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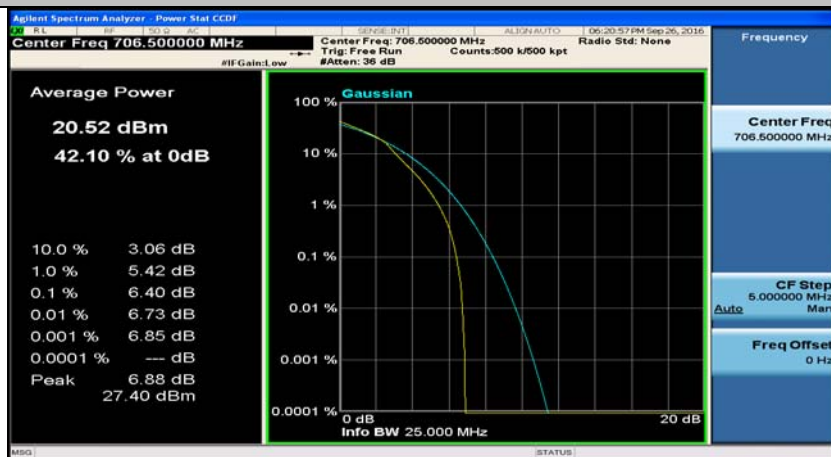
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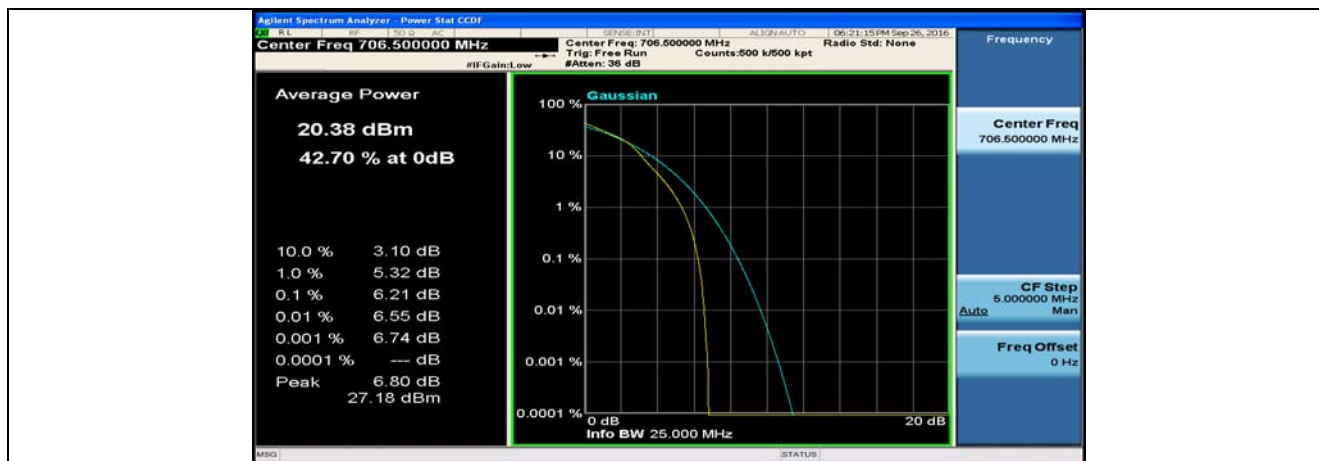
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



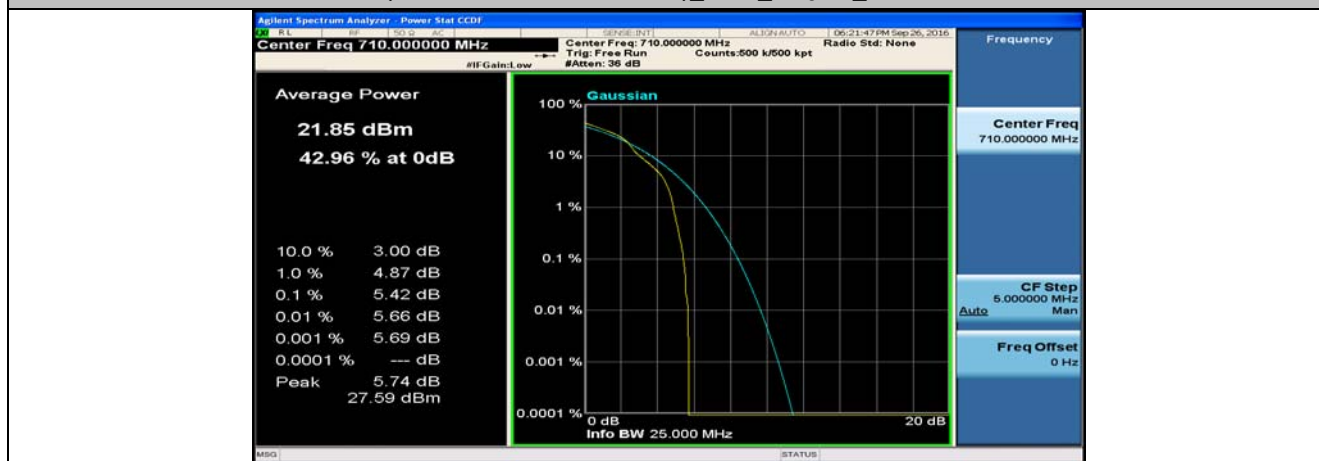
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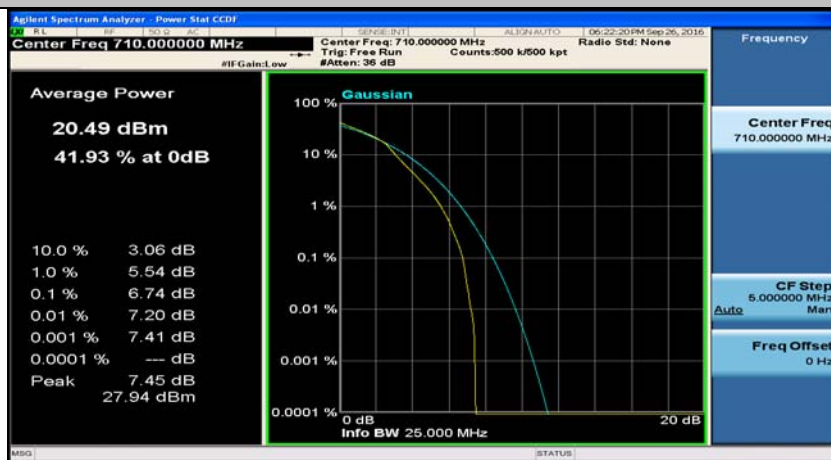
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



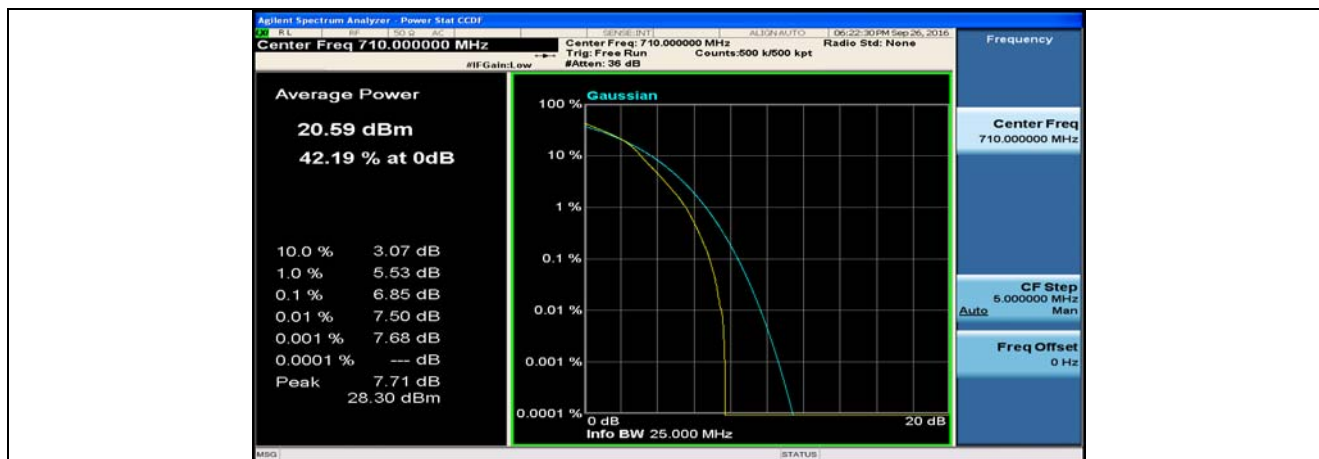
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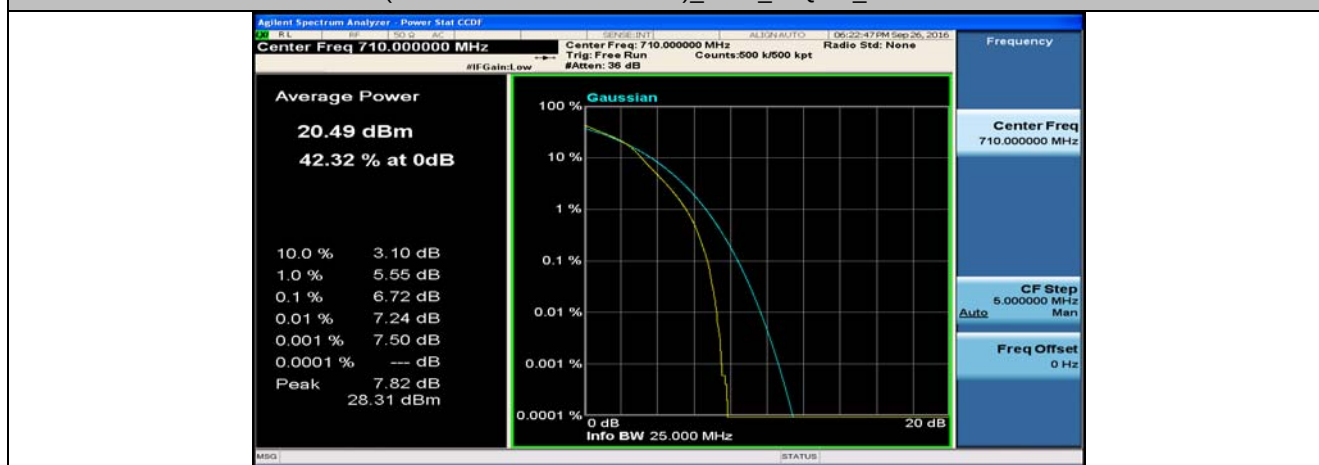
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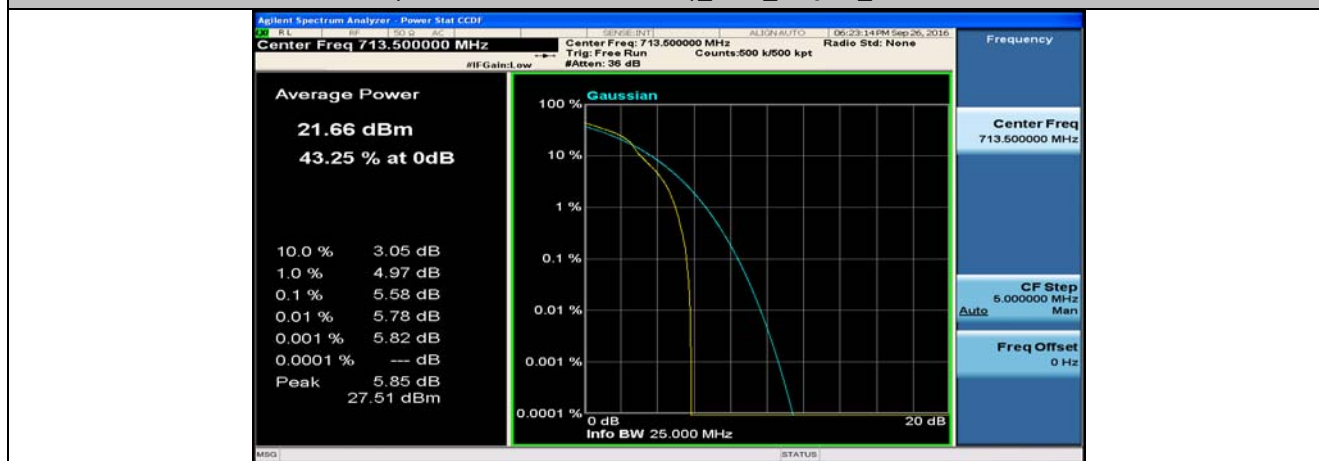
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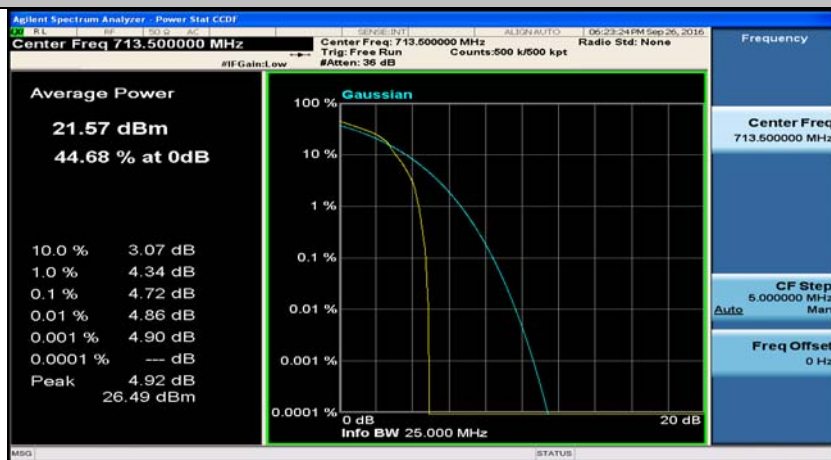
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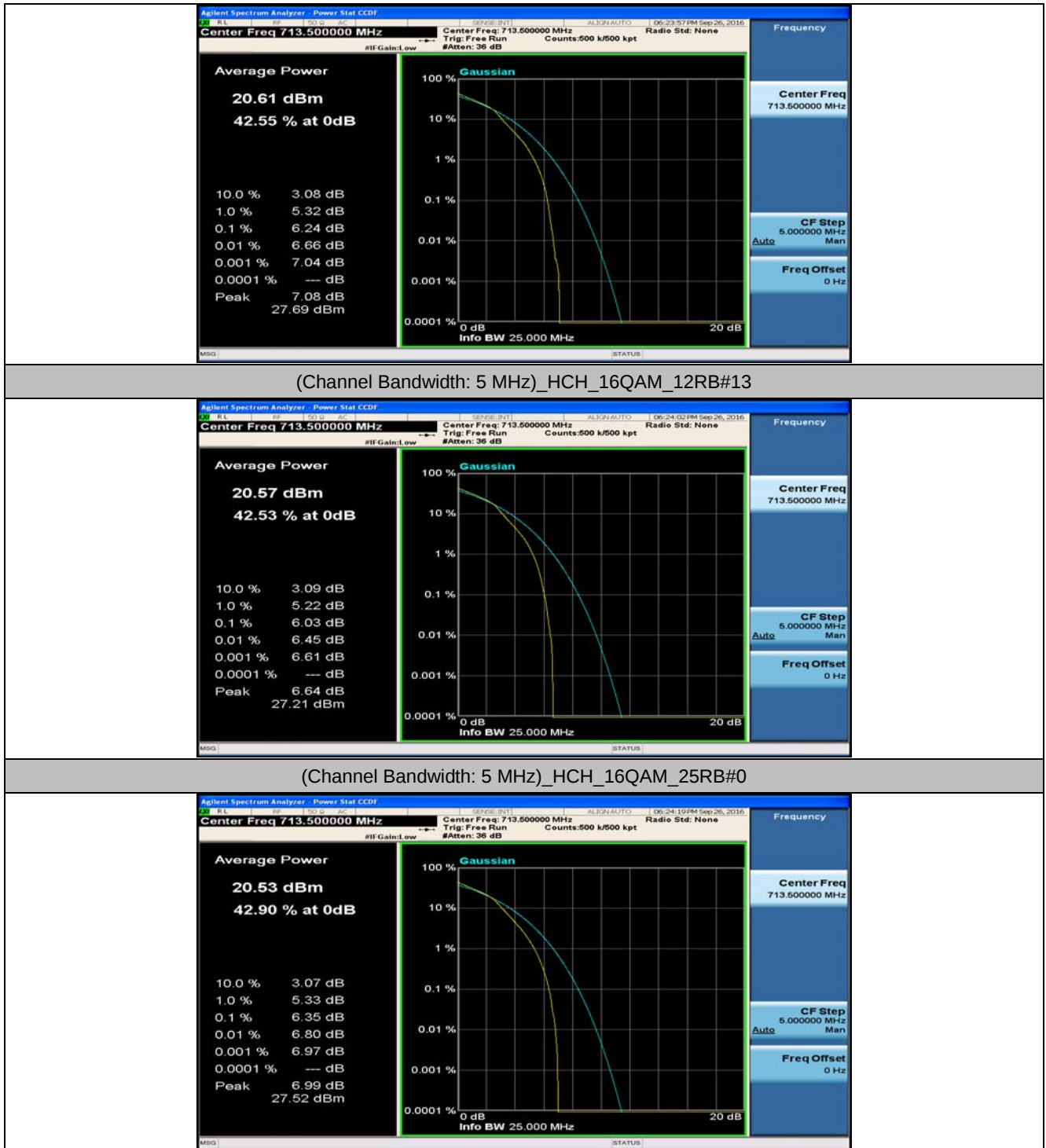
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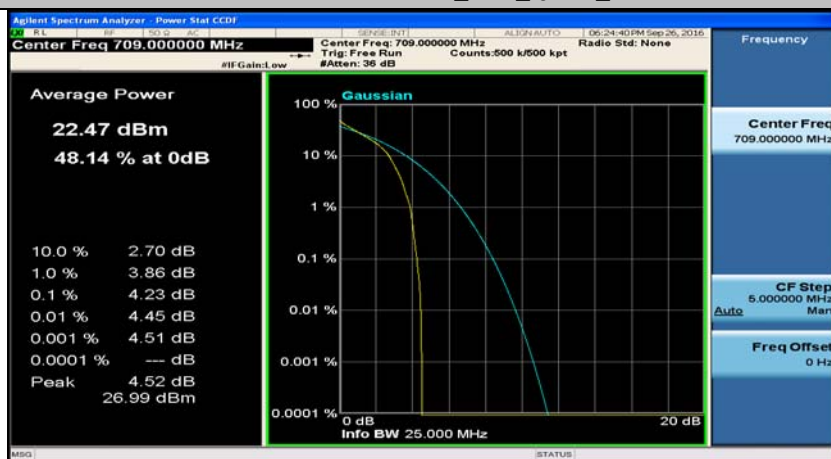
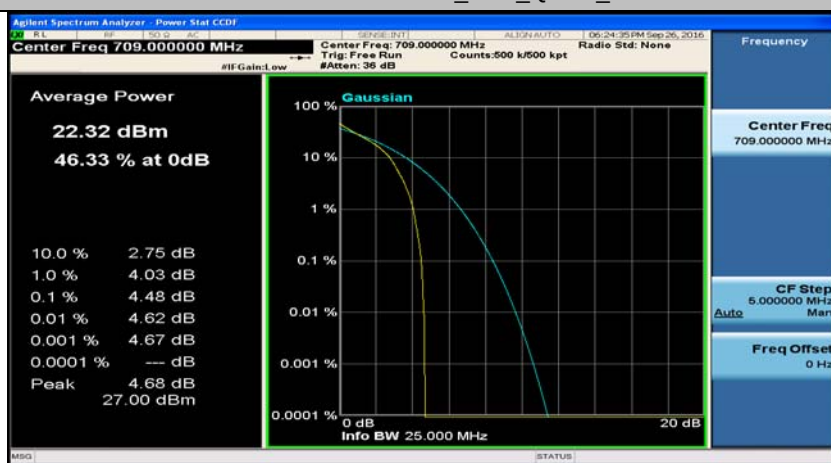


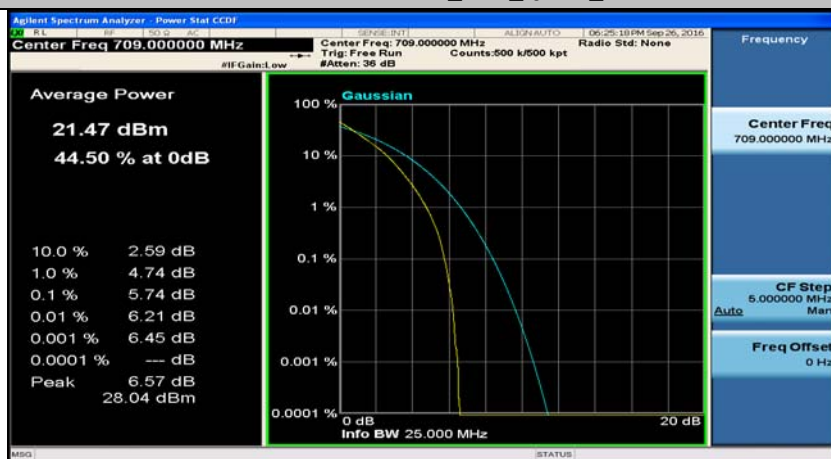
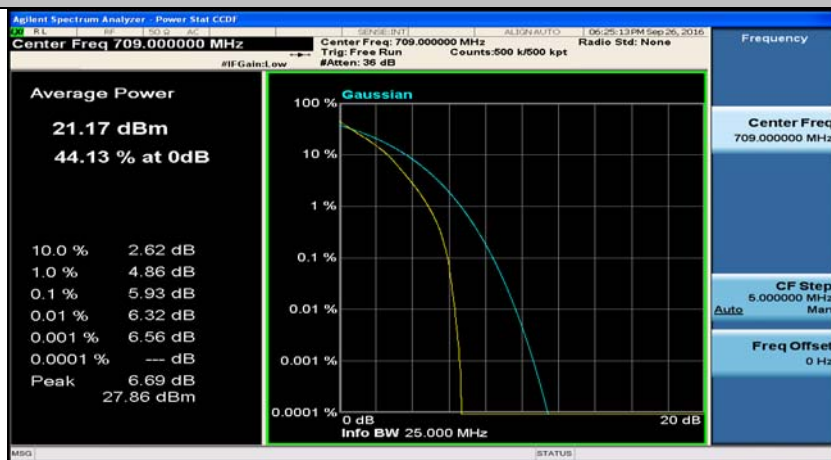
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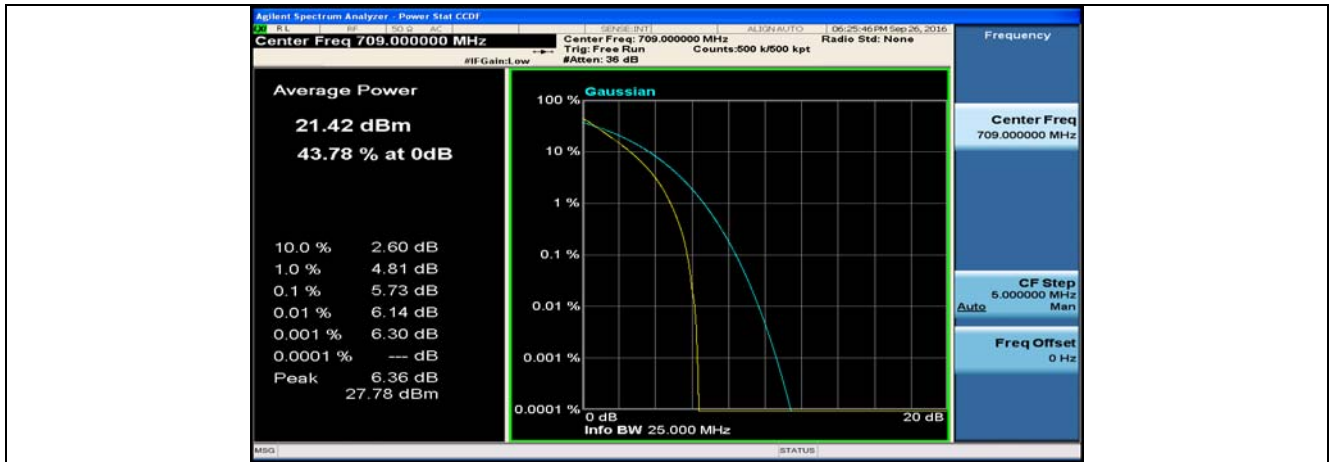


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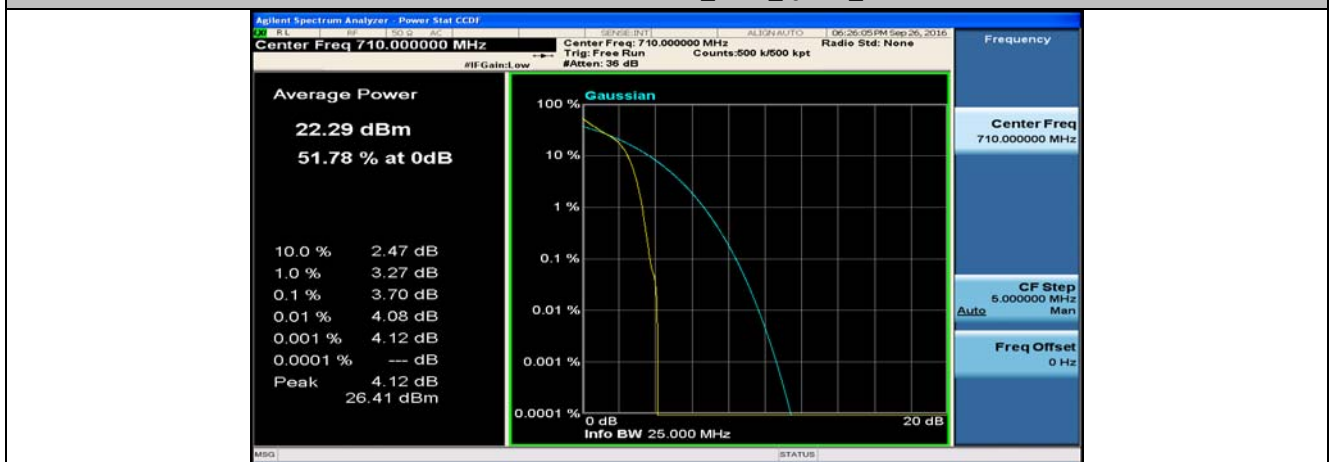




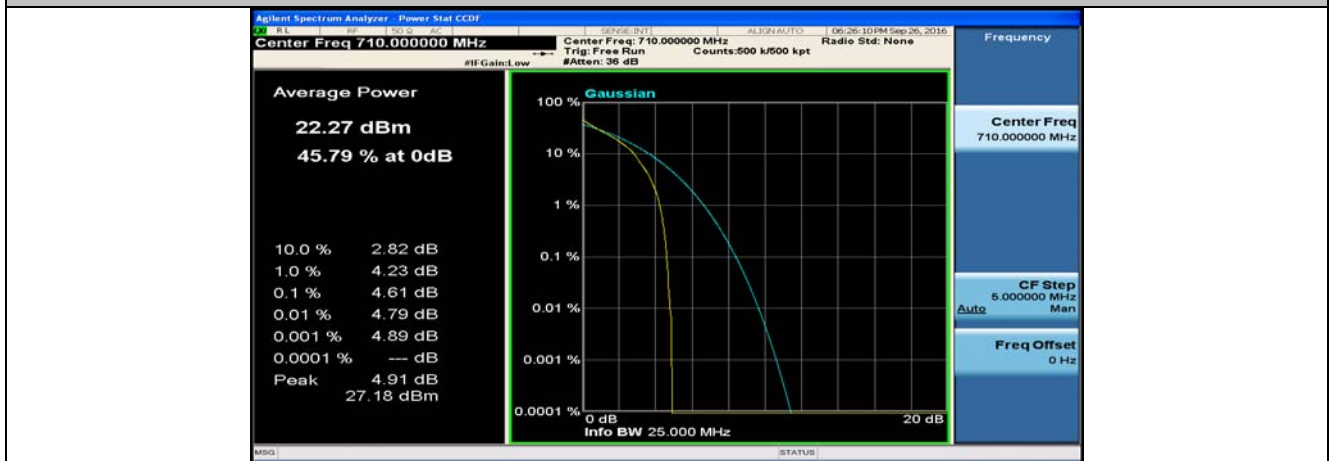




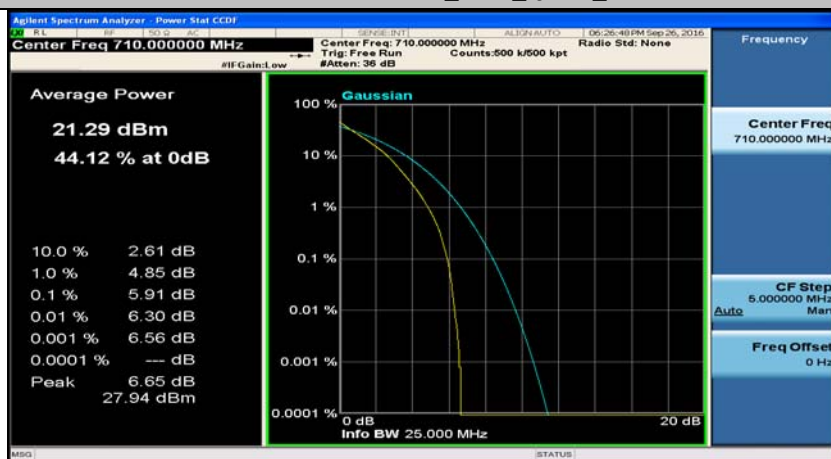
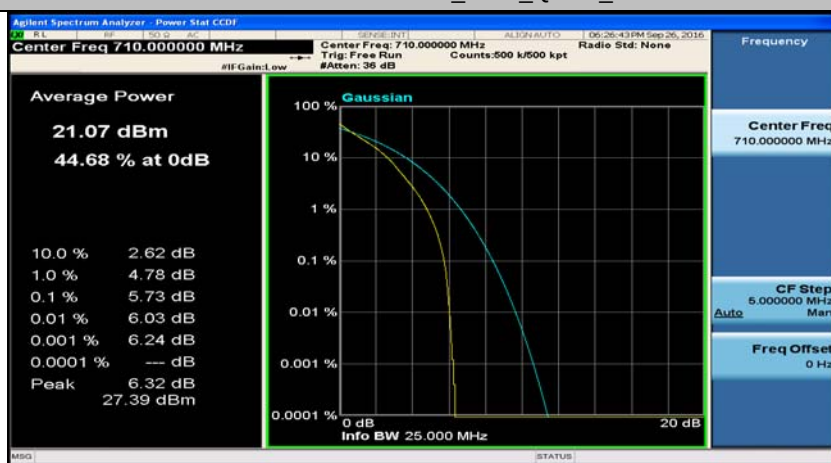
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

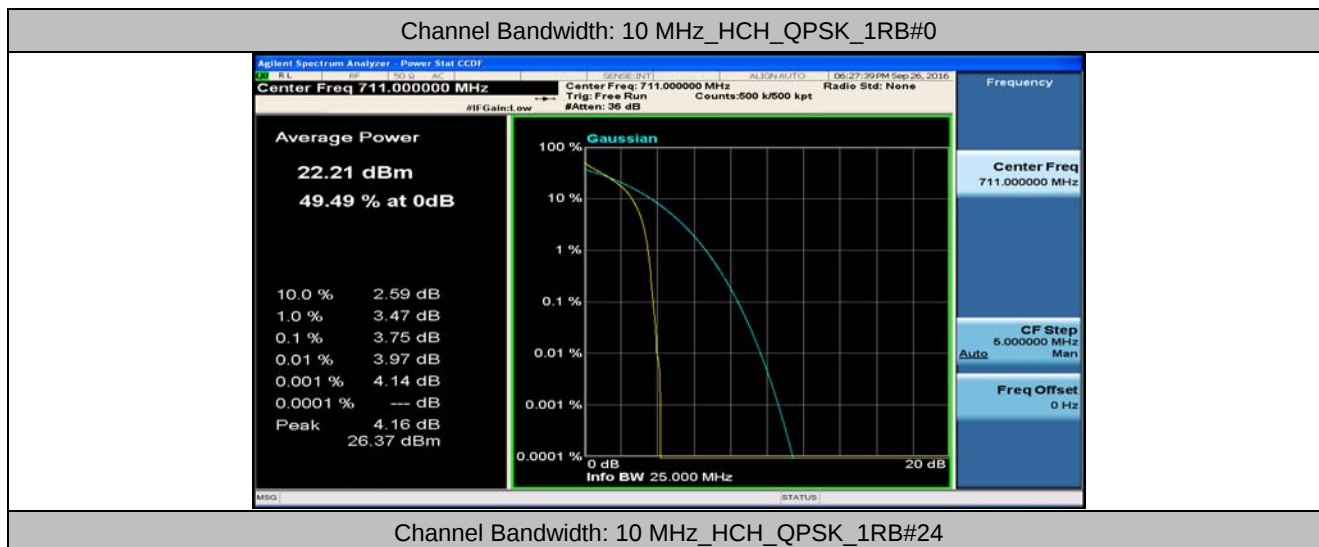
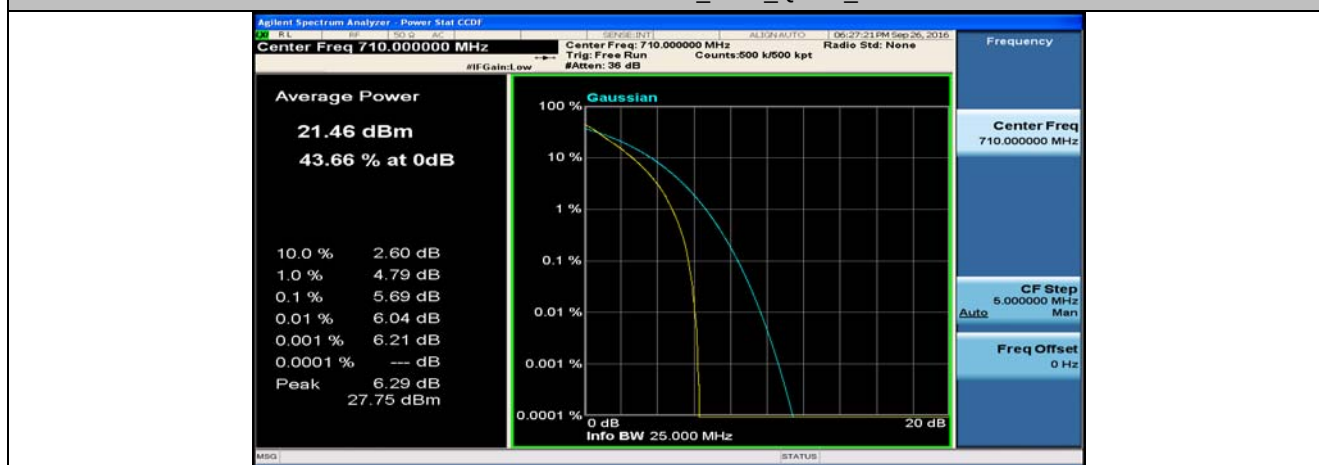
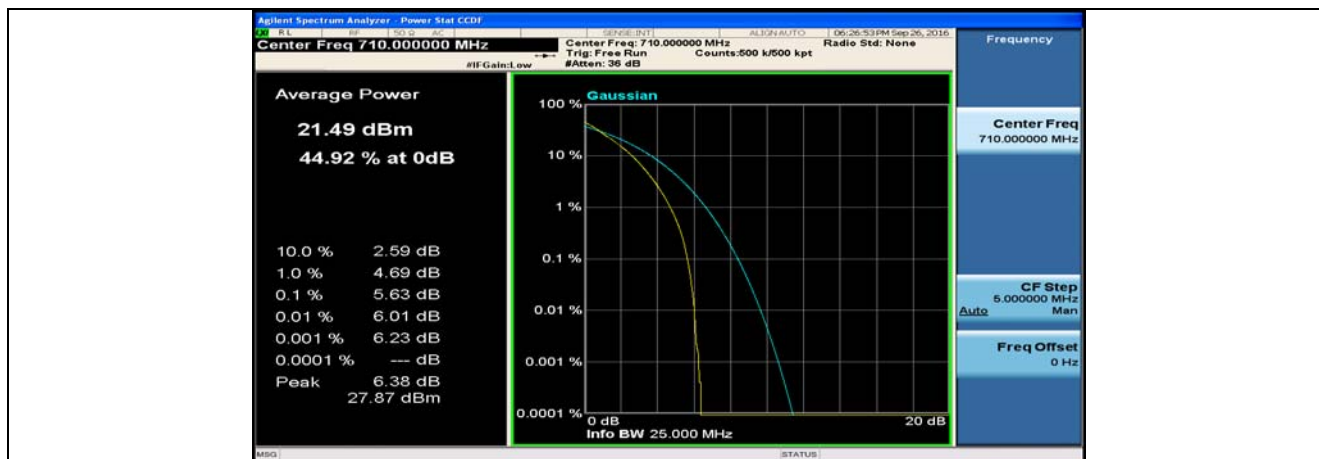


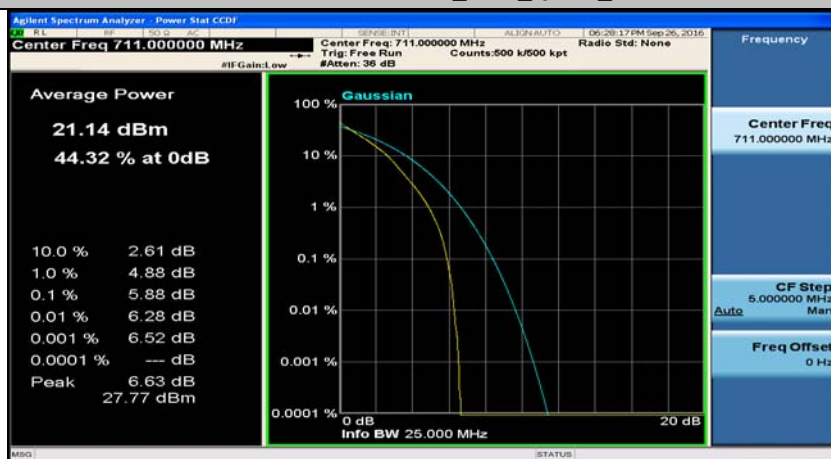
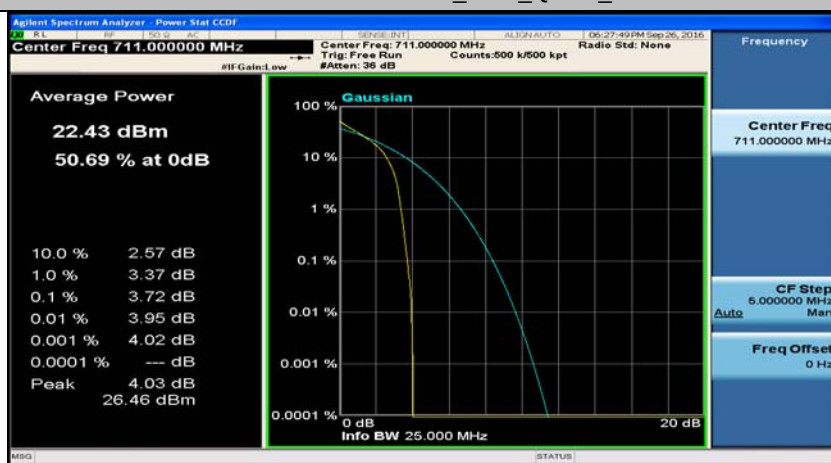
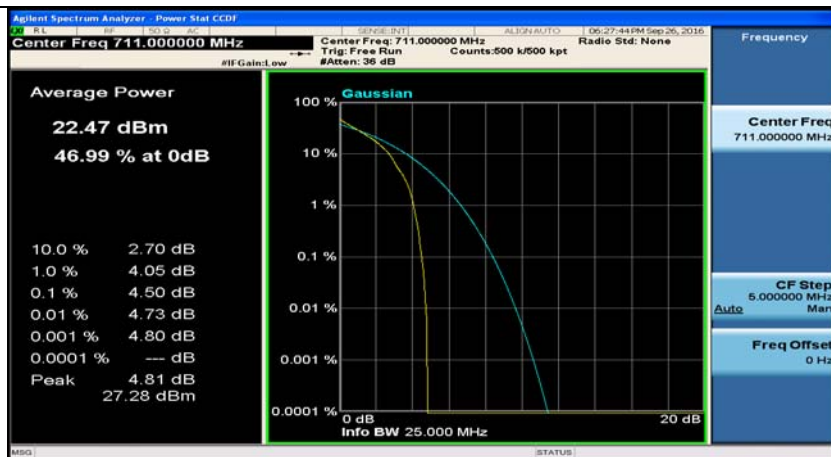
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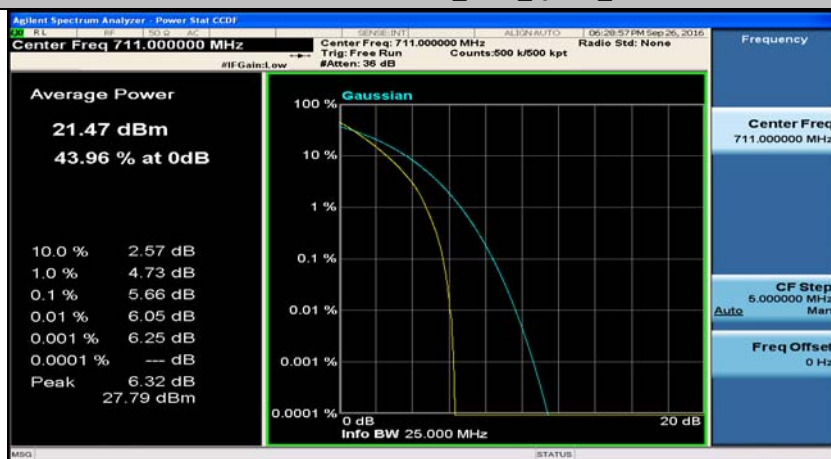
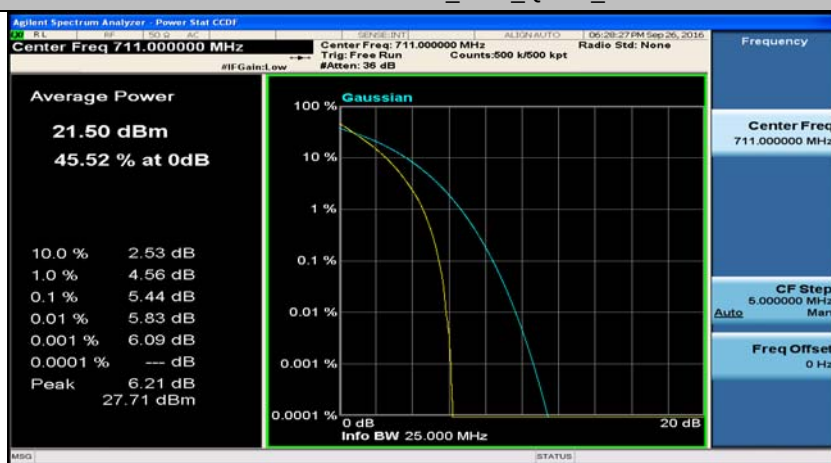


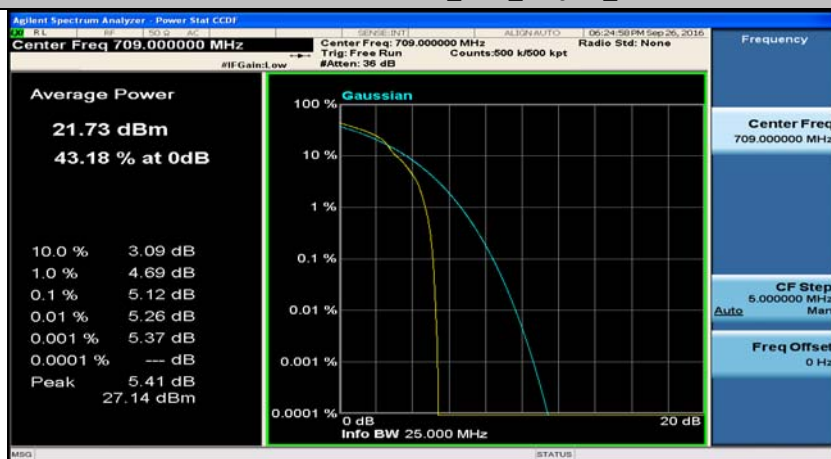
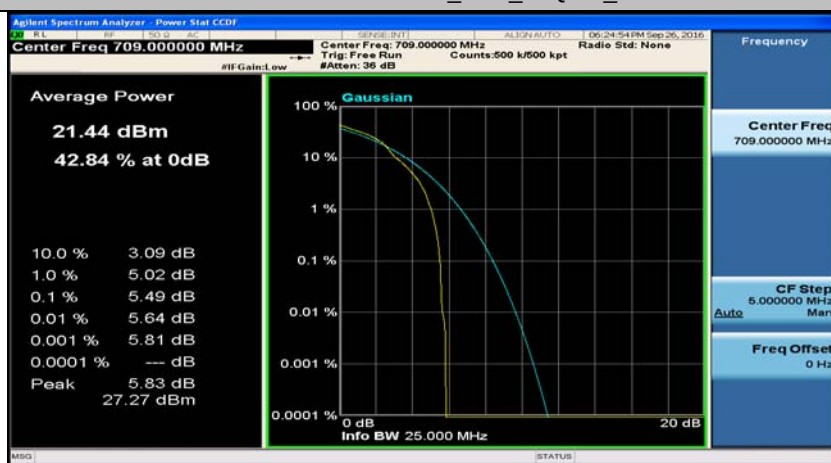
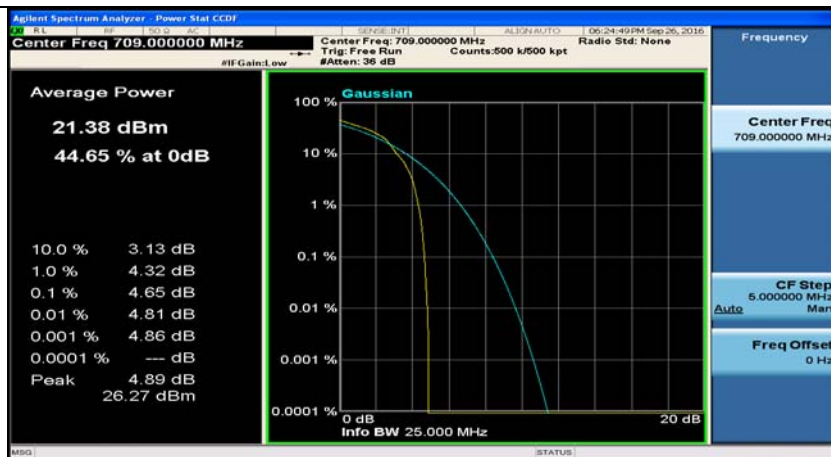
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

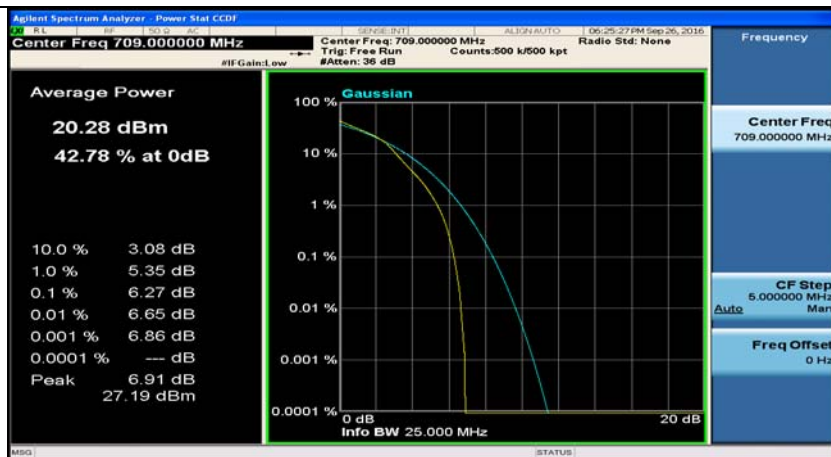


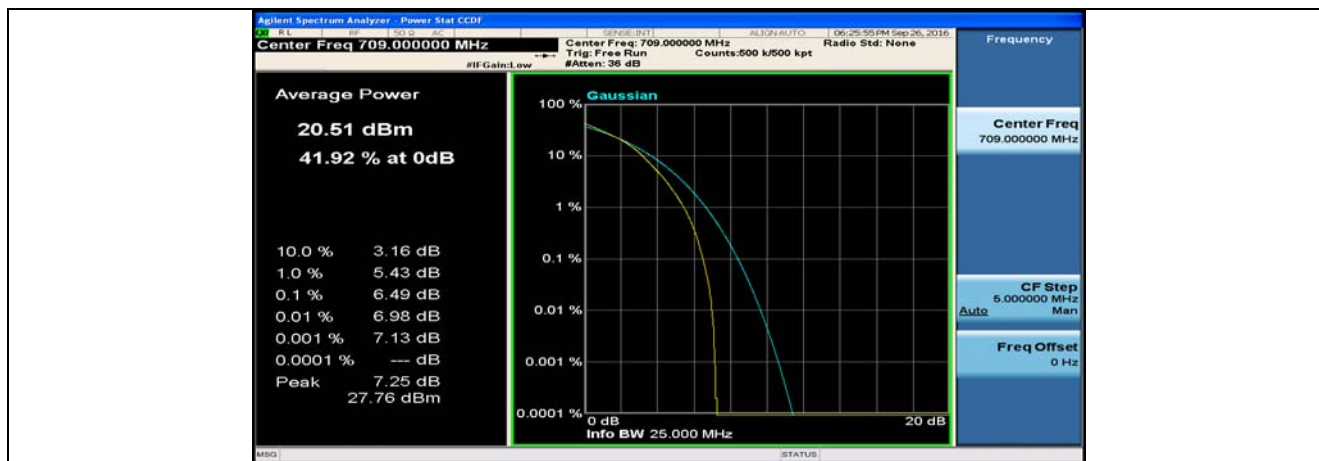




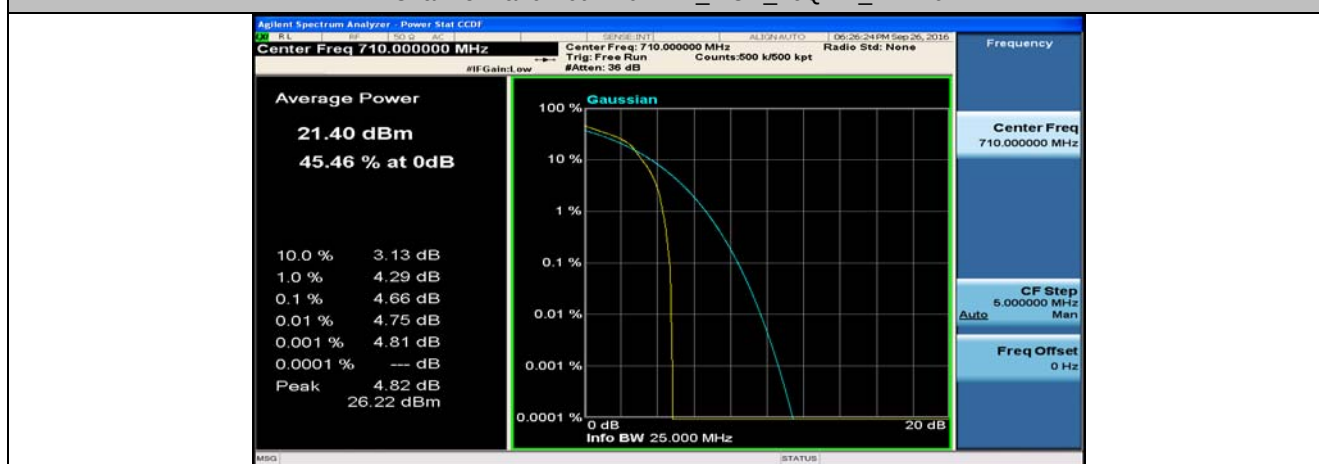




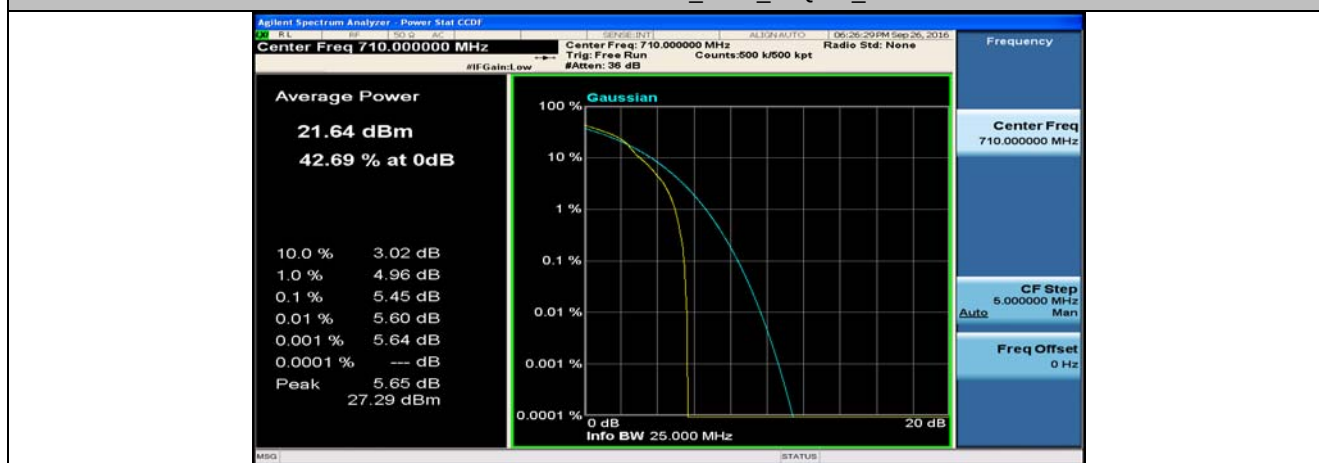




Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49