Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.95	23.95	PASS
		1	12	23.33	24.33	PASS
		1	24	22.98	23.98	PASS
		12	0	21.96	22.96	PASS
		12	6	22.05	23.05	PASS
		12	13	22.05	23.05	PASS
		25	0	22.09	23.09	PASS
	MCH	1	0	22.97	23.97	PASS
		1	12	23.47	24.47	PASS
		1	24	22.99	23.99	PASS
		12	0	22.04	23.04	PASS
		12	6	22.16	23.16	PASS
		12	13	21.99	22.99	PASS
		25	0	22.09	23.09	PASS
	HCH	1	0	23.01	24.01	PASS
		1	12	23.31	24.31	PASS
		1	24	22.98	23.98	PASS
		12	0	22.11	23.11	PASS
		12	6	22.13	23.13	PASS
		12	13	22.05	23.05	PASS
		25	0	22.11	23.11	PASS
16QAM	LCH	1	0	22.18	23.18	PASS
		1	12	22.55	23.55	PASS
		1	24	22.29	23.29	PASS
		12	0	21.05	22.05	PASS
		12	6	21.17	22.17	PASS
		12	13	21.17	22.17	PASS
		25	0	21.06	22.06	PASS
	MCH	1	0	22.29	23.29	PASS
		1	12	22.69	23.69	PASS
		1	24	22.27	23.27	PASS
		12	0	21.17	22.17	PASS
		12	6	21.29	22.29	PASS
		12	13	21.21	22.21	PASS

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		25	0	21.12	22.12	PASS
	HCH	1	0	22.29	23.29	PASS
		1	12	22.54	23.54	PASS
		1	24	22.13	23.13	PASS
		12	0	21.18	22.18	PASS
		12	6	21.21	22.21	PASS
		12	13	21.11	22.11	PASS
		25	0	21.13	22.13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.93	23.93	PASS
		1	24	23.49	24.49	PASS
		1	49	22.93	23.93	PASS
		25	0	22.08	23.08	PASS
		25	12	22.12	23.12	PASS
		25	25	22.04	23.04	PASS
		50	0	22.04	23.04	PASS
	MCH	1	0	22.94	23.94	PASS
		1	24	23.18	24.18	PASS
		1	49	22.99	23.99	PASS
		25	0	22.18	23.18	PASS
		25	12	22.11	23.11	PASS
		25	25	22.18	23.18	PASS
		50	0	22.10	23.10	PASS
	HCH	1	0	22.95	23.95	PASS
		1	24	23.20	24.20	PASS
		1	49	23.04	24.04	PASS
		25	0	22.16	23.16	PASS
		25	12	22.10	23.10	PASS
		25	25	22.13	23.13	PASS
		50	0	22.13	23.13	PASS
16QAM	LCH	1	0	22.21	23.21	PASS
		1	24	22.42	23.42	PASS
		1	49	22.28	23.28	PASS
		25	0	21.09	22.09	PASS
		25	12	21.11	22.11	PASS
		25	25	21.19	22.19	PASS
		50	0	21.05	22.05	PASS
	MCH	1	0	22.18	23.18	PASS

		1	24	22.48	23.48	PASS
		1	49	22.22	23.22	PASS
		25	0	21.22	22.22	PASS
		25	12	21.32	22.32	PASS
		25	25	21.17	22.17	PASS
		50	0	21.33	22.33	PASS
	HCH	1	0	22.28	23.28	PASS
		1	24	22.49	23.49	PASS
		1	49	22.24	23.24	PASS
		25	0	21.22	22.22	PASS
		25	12	21.21	22.21	PASS
		25	25	21.10	22.10	PASS
		50	0	21.11	22.11	PASS

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Appendix B: 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	4.21	<13	PASS
		1	12	4.00	<13	PASS
		1	24	4.55	<13	PASS
		12	0	4.92	<13	PASS
		12	6	4.86	<13	PASS
		12	13	5.08	<13	PASS
		25	0	5.01	<13	PASS
	MCH	1	0	4.43	<13	PASS
		1	12	4.55	<13	PASS
		1	24	4.64	<13	PASS
		12	0	5.33	<13	PASS
		12	6	5.45	<13	PASS
		12	13	5.49	<13	PASS
		25	0	5.35	<13	PASS
	HCH	1	0	4.71	<13	PASS
		1	12	4.21	<13	PASS
		1	24	3.59	<13	PASS
		12	0	5.26	<13	PASS
		12	6	4.94	<13	PASS
		12	13	4.59	<13	PASS
		25	0	4.91	<13	PASS
16QAM	LCH	1	0	4.92	<13	PASS
		1	12	4.77	<13	PASS
		1	24	5.30	<13	PASS
		12	0	5.80	<13	PASS
		12	6	5.76	<13	PASS
		12	13	5.96	<13	PASS
		25	0	5.89	<13	PASS
	MCH	1	0	5.10	<13	PASS
		1	12	5.09	<13	PASS
		1	24	5.36	<13	PASS
		12	0	6.25	<13	PASS

		12	6	6.31	<13	PASS
		12	13	6.39	<13	PASS
		25	0	6.21	<13	PASS
	HCH	1	0	5.44	<13	PASS
		1	12	4.70	<13	PASS
		1	24	4.38	<13	PASS
		12	0	6.13	<13	PASS
		12	6	5.82	<13	PASS
		12	13	5.48	<13	PASS
		25	0	5.76	<13	PASS

Channel Bandwidth: 10 MHz

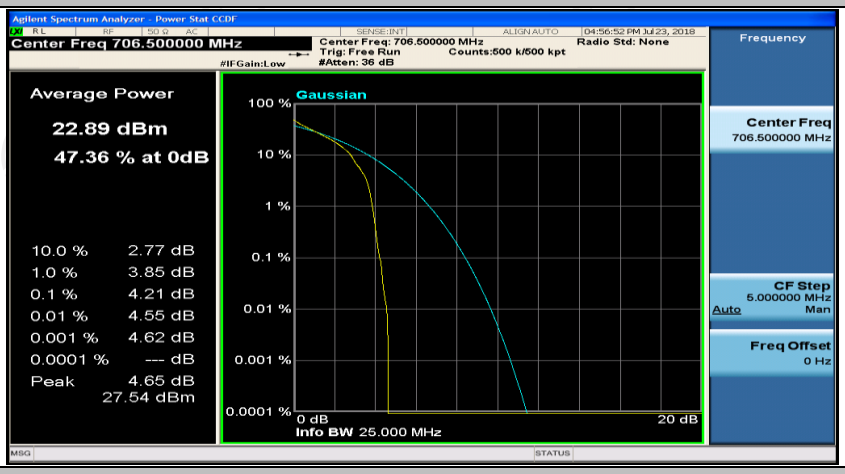
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.03	<13	PASS
		1	24	4.49	<13	PASS
		1	49	4.22	<13	PASS
		25	0	5.02	<13	PASS
		25	12	5.23	<13	PASS
		25	25	5.36	<13	PASS
		50	0	5.17	<13	PASS
	MCH	1	0	4.02	<13	PASS
		1	24	4.49	<13	PASS
		1	49	3.79	<13	PASS
		25	0	5.04	<13	PASS
		25	12	5.31	<13	PASS
		25	25	5.22	<13	PASS
		50	0	5.13	<13	PASS
	HCH	1	0	4.02	<13	PASS
		1	24	4.56	<13	PASS
		1	49	3.44	<13	PASS
		25	0	5.17	<13	PASS
		25	12	5.31	<13	PASS
		25	25	4.92	<13	PASS
		50	0	5.03	<13	PASS
16QAM	LCH	1	0	4.76	<13	PASS
		1	24	5.21	<13	PASS
		1	49	5.09	<13	PASS
		25	0	5.92	<13	PASS
		25	12	6.12	<13	PASS
		25	25	6.26	<13	PASS

		50	0	6.09	<13	PASS
	MCH	1	0	4.78	<13	PASS
		1	24	5.40	<13	PASS
		1	49	4.54	<13	PASS
		25	0	5.96	<13	PASS
		25	12	6.17	<13	PASS
		25	25	6.13	<13	PASS
		50	0	6.02	<13	PASS
	HCH	1	0	4.74	<13	PASS
		1	24	5.41	<13	PASS
		1	49	4.36	<13	PASS
		25	0	6.07	<13	PASS
		25	12	6.22	<13	PASS
		25	25	5.86	<13	PASS
		50	0	5.94	<13	PASS

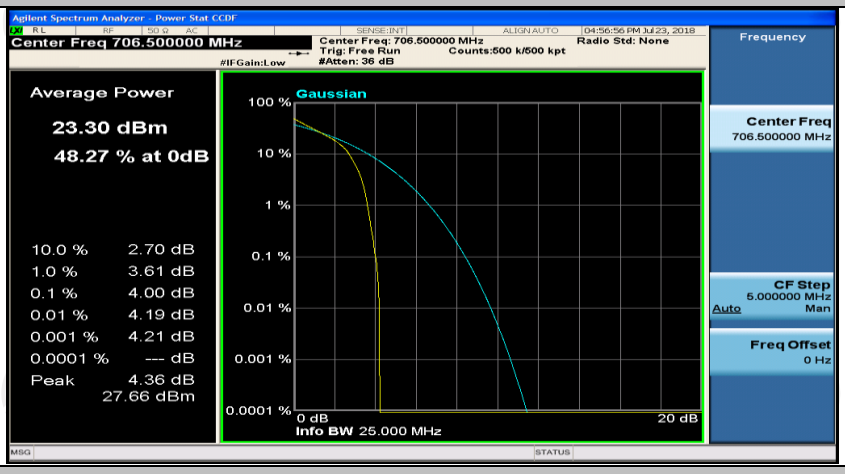
Test Graphs

Channel Bandwidth: 5 MHz

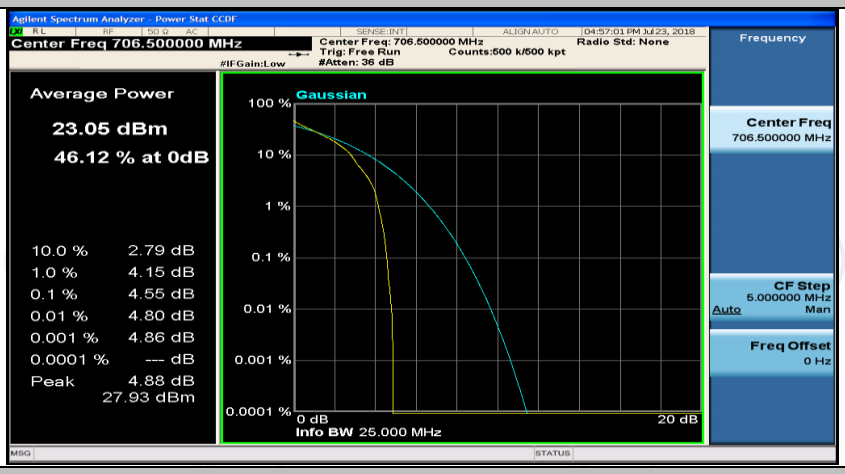
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



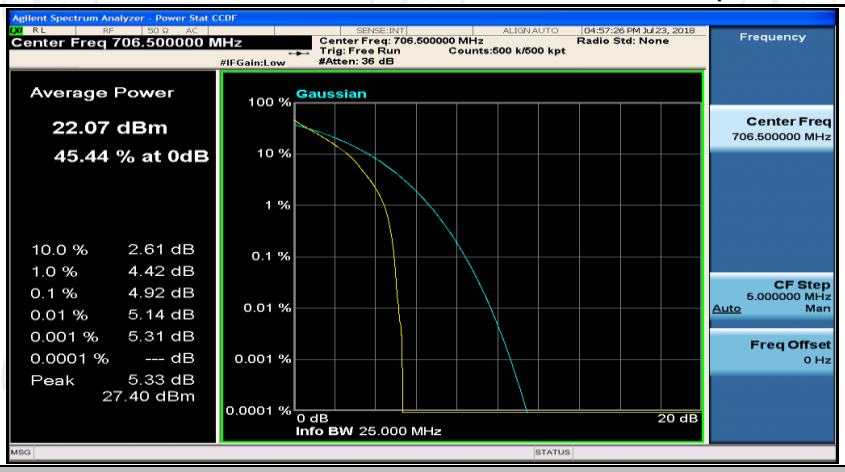
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



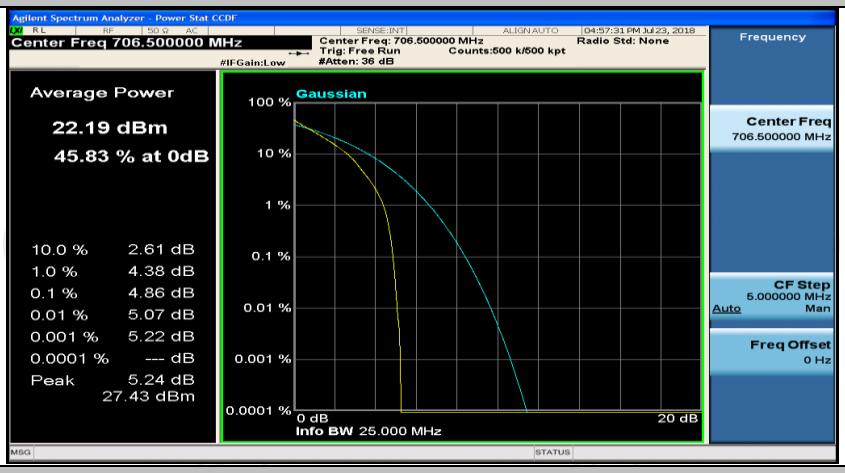
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



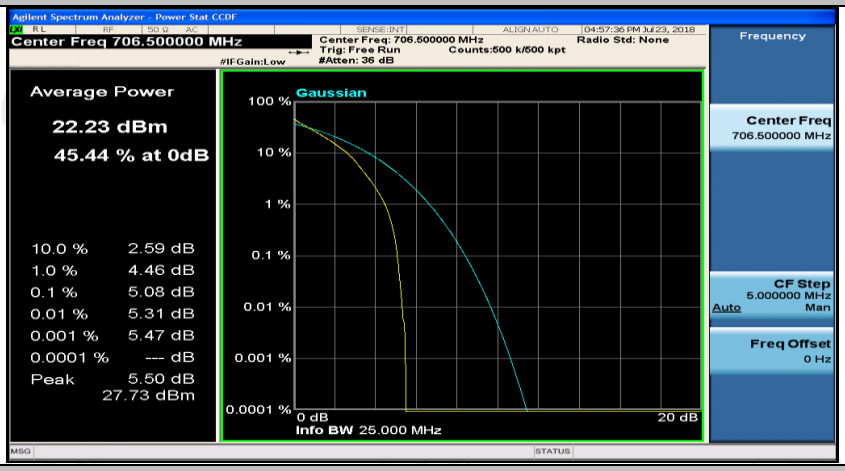
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



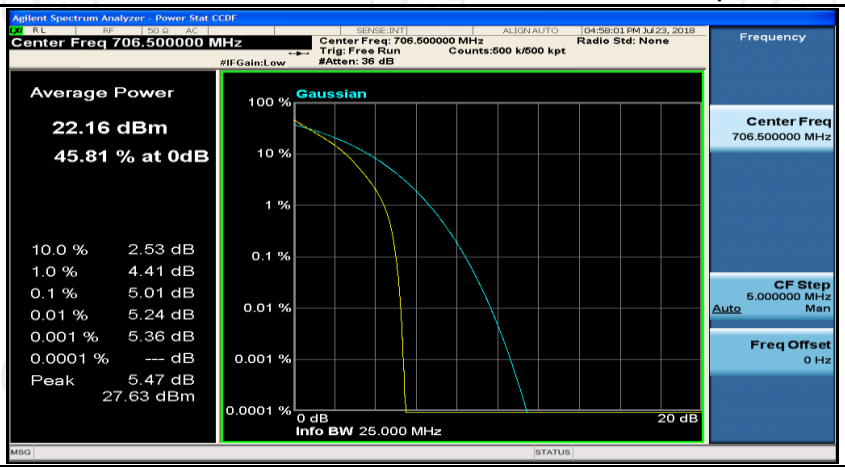
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



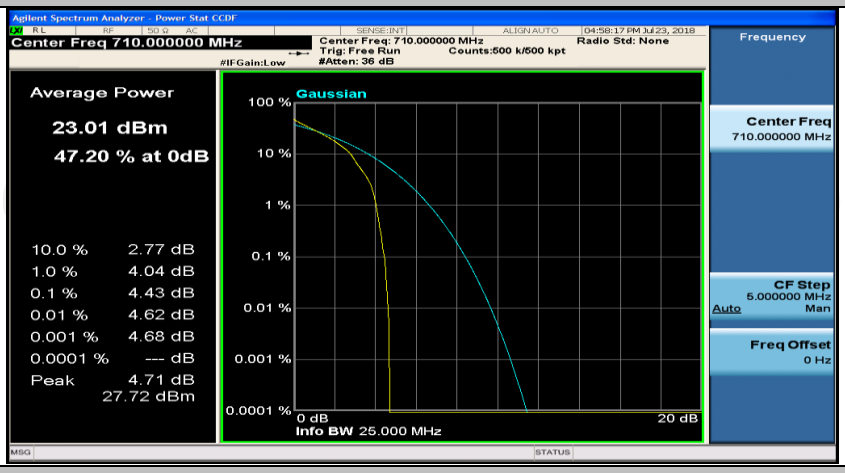
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



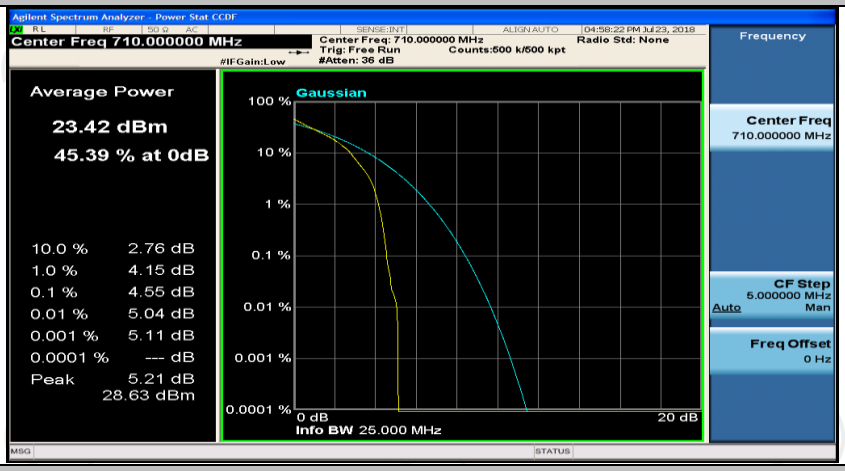
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



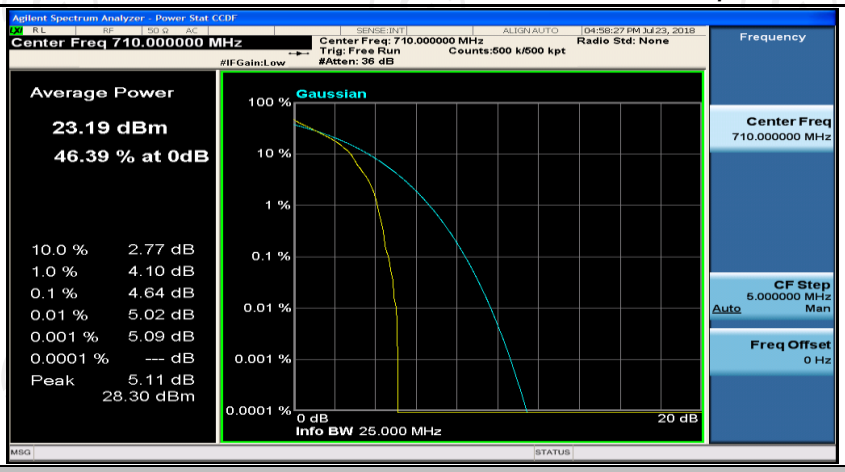
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



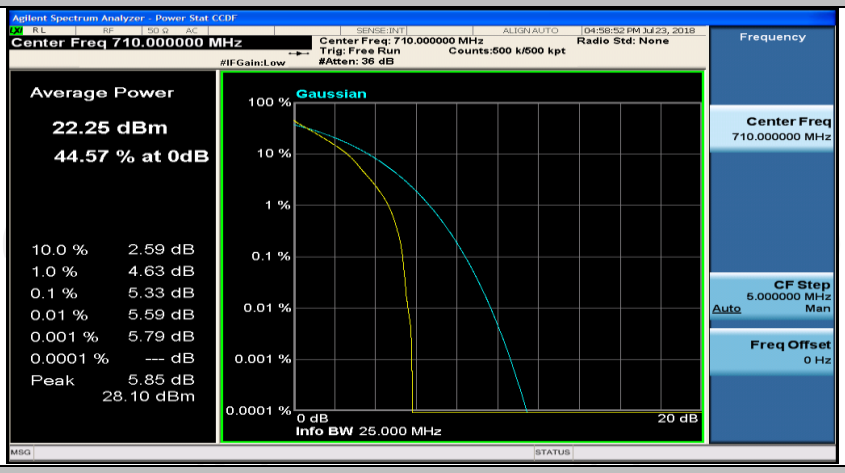
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



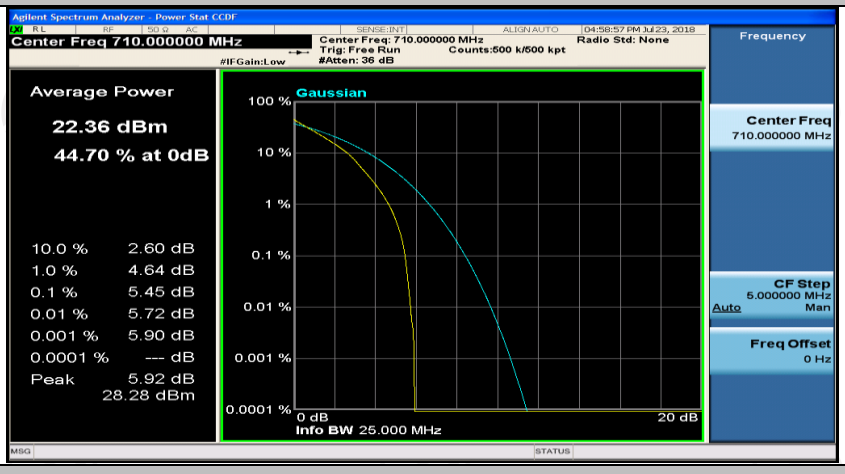
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



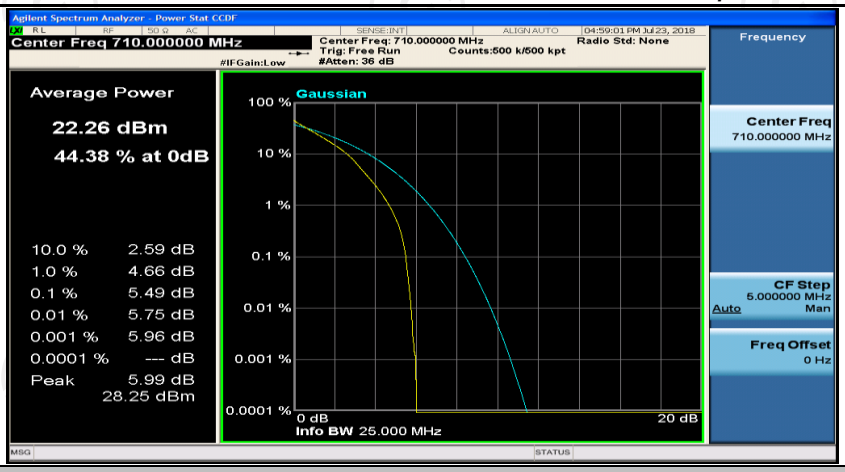
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



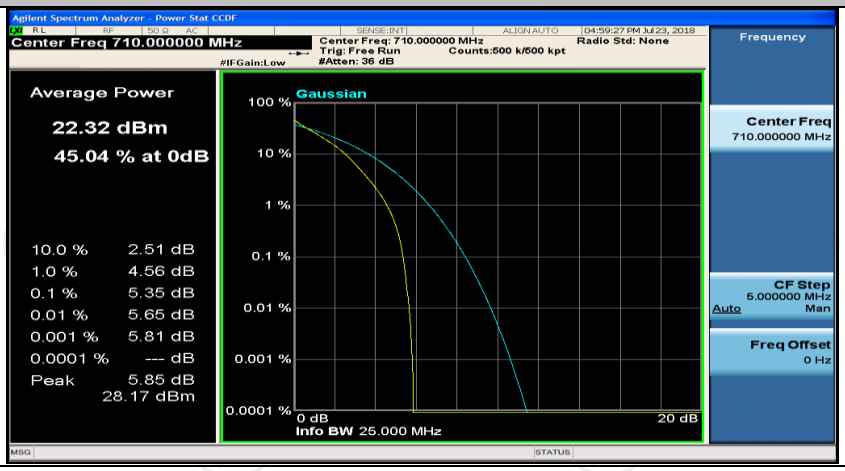
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



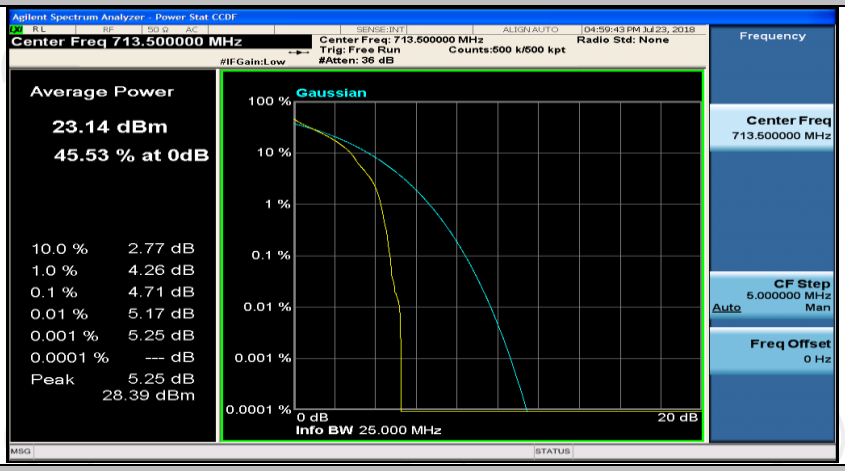
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



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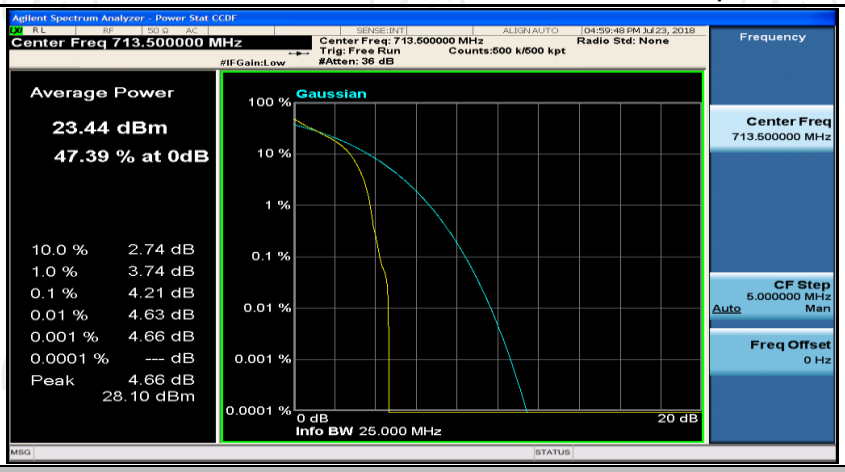
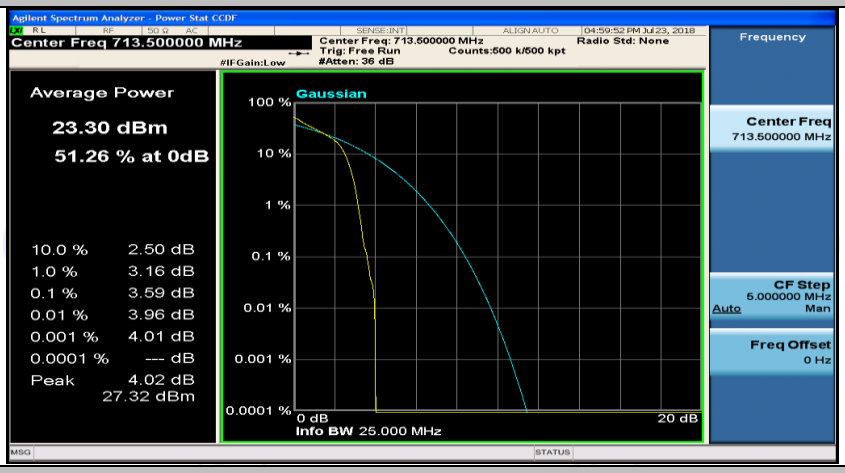
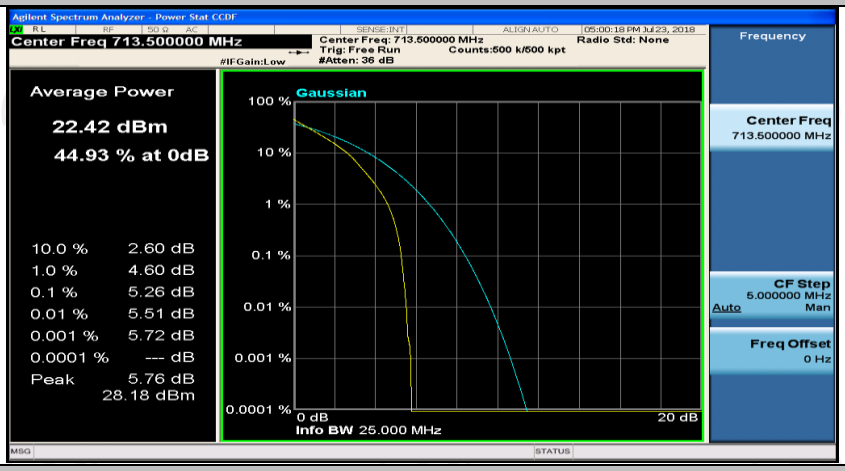


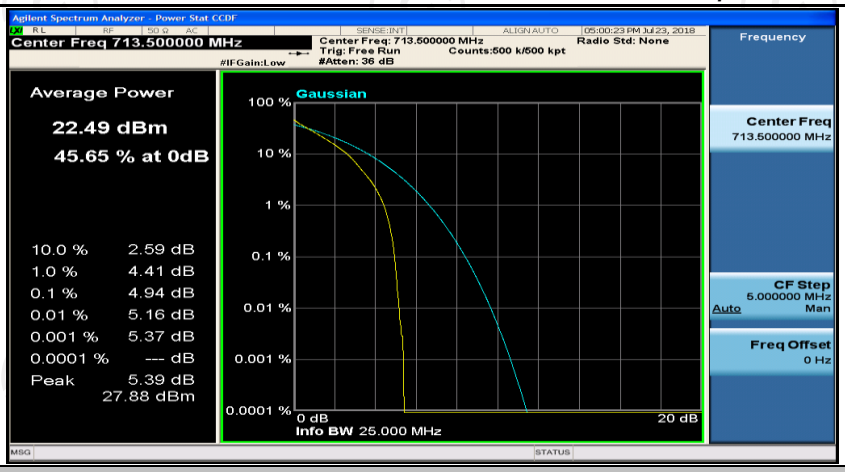
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



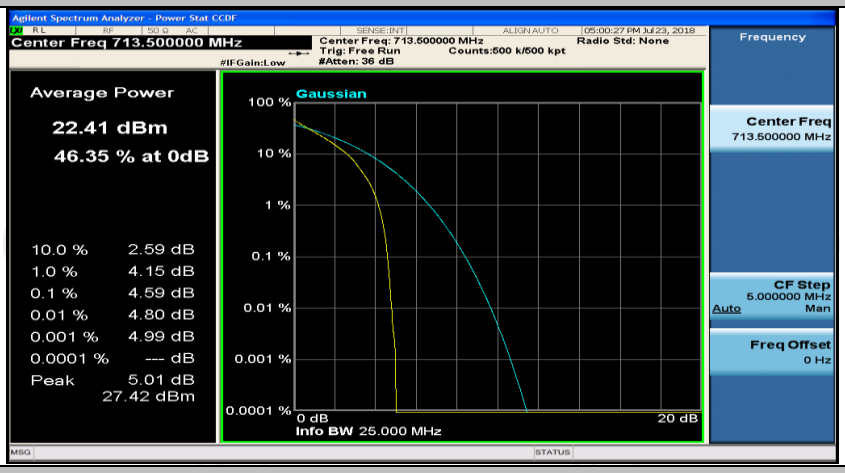
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



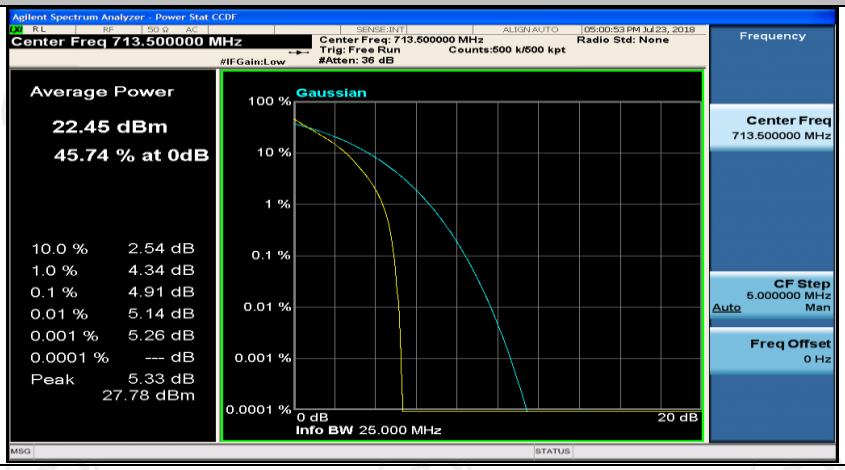
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



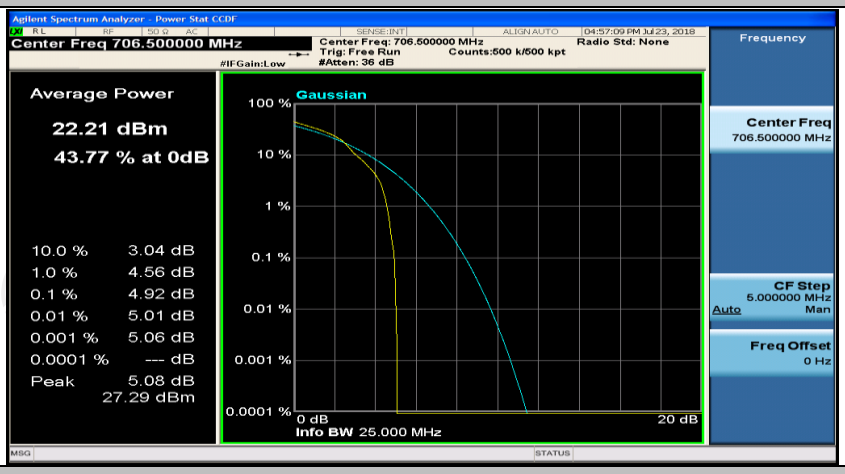
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



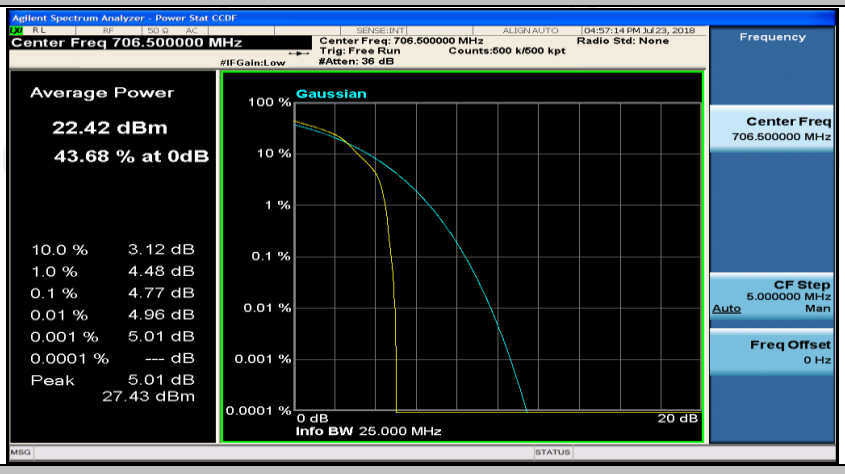
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



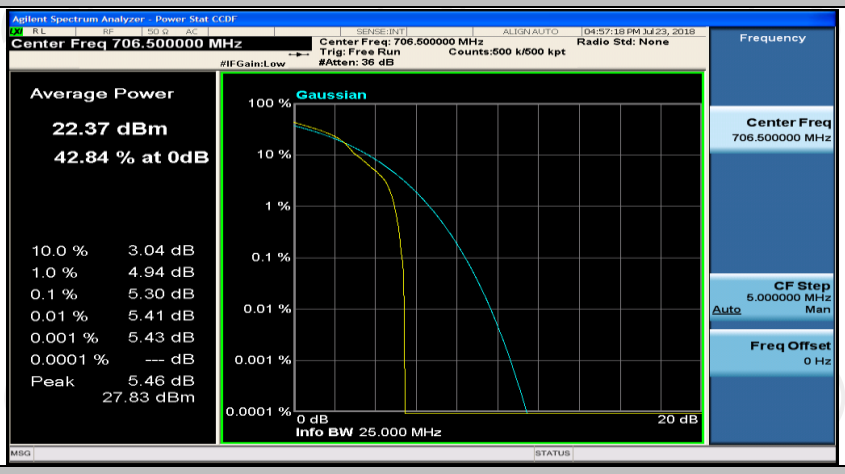
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



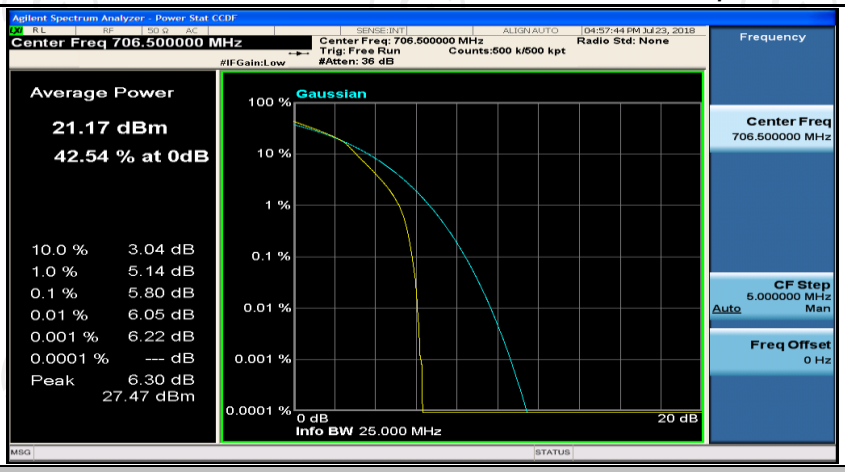
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



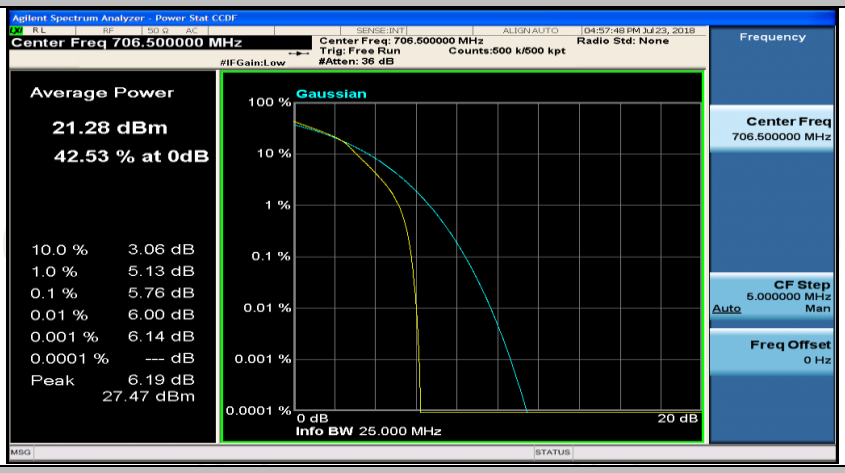
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



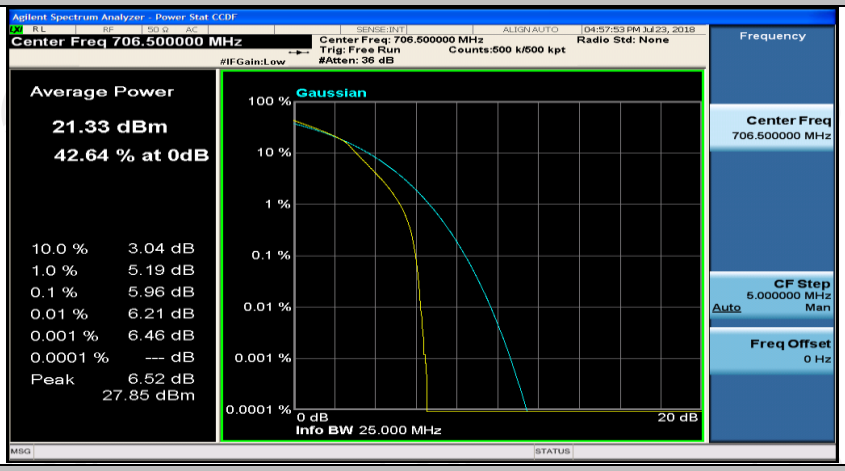
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

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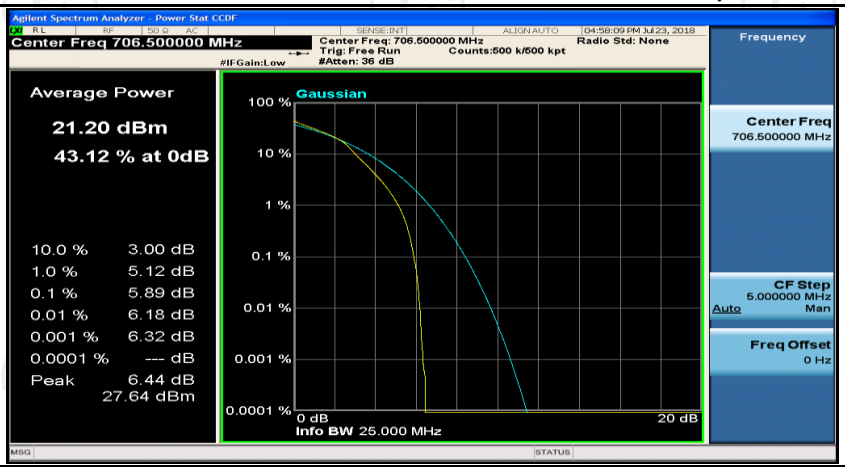
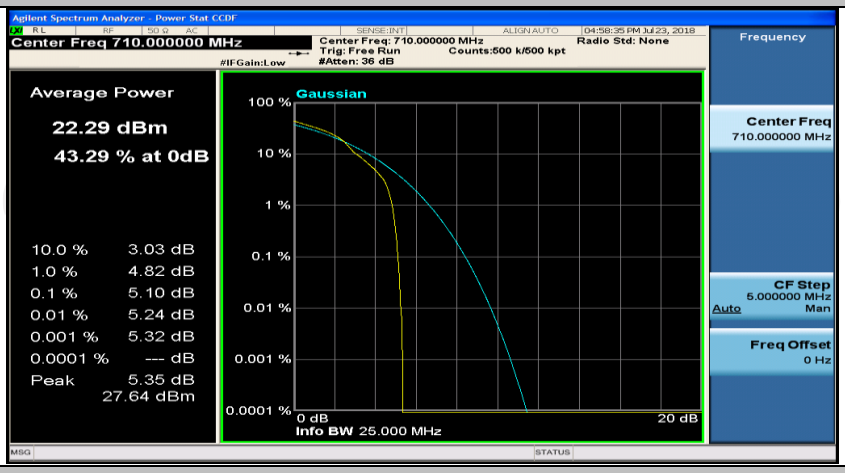
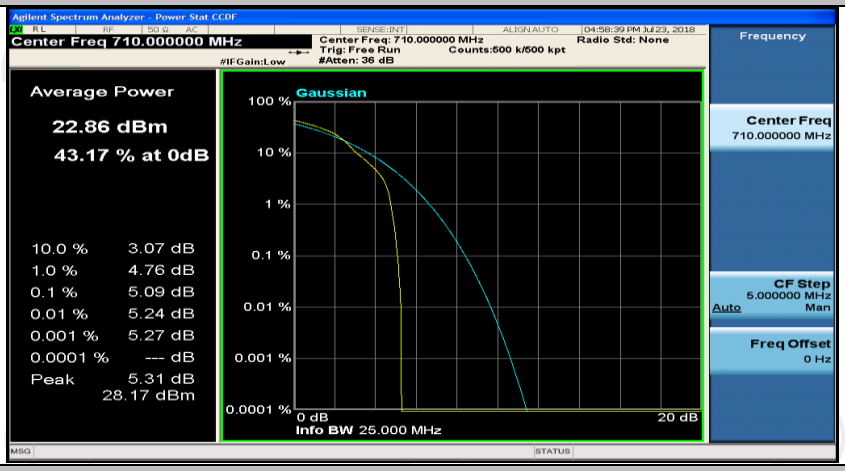


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

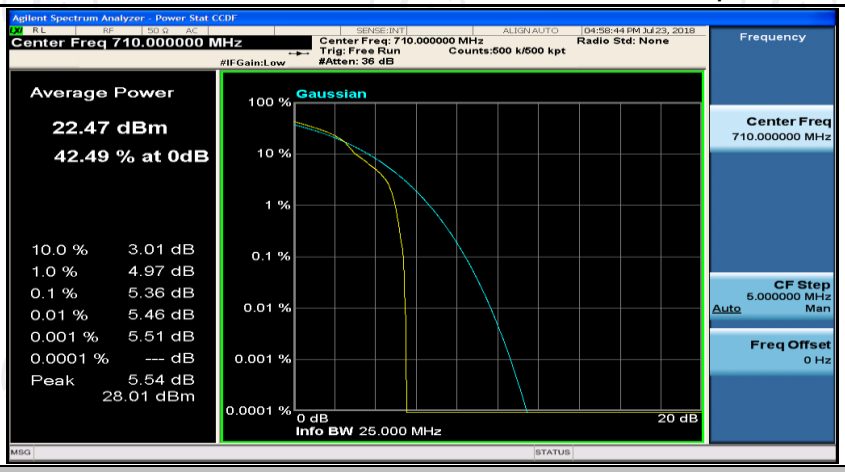


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

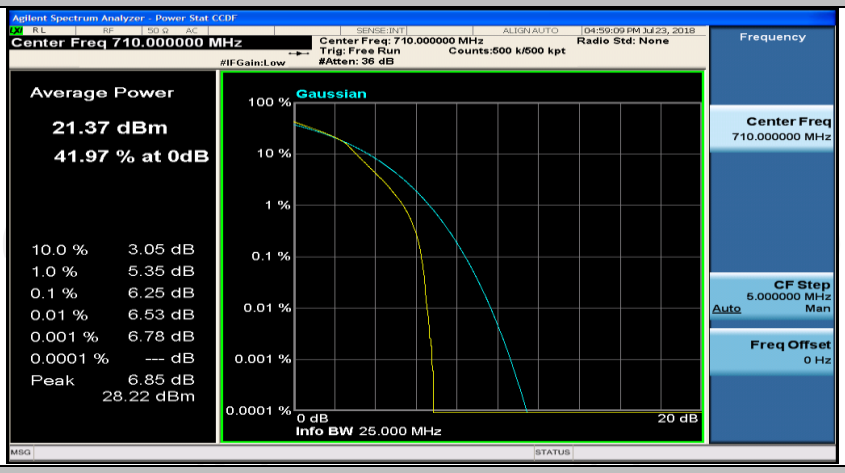


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24

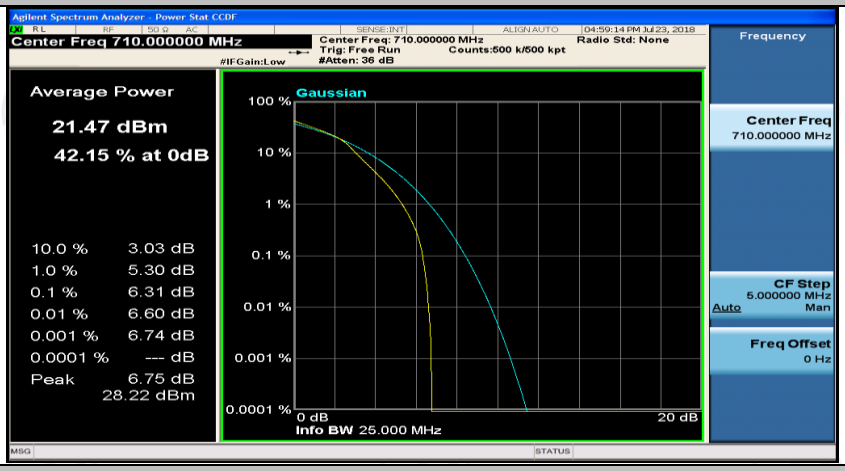
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



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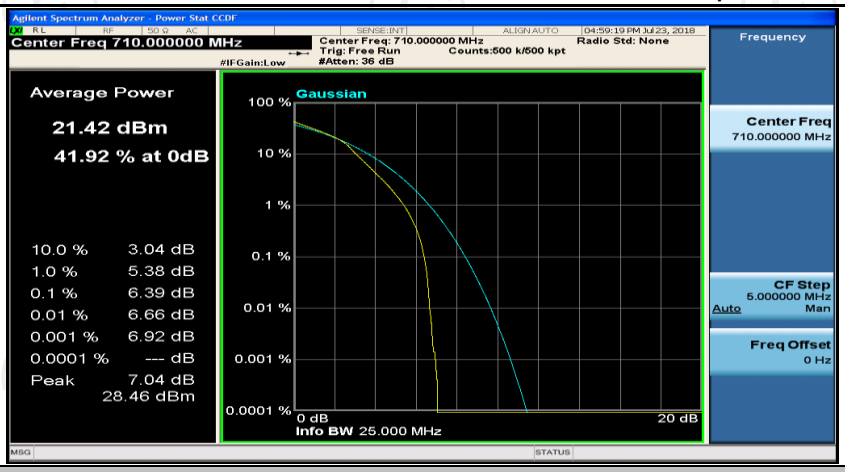
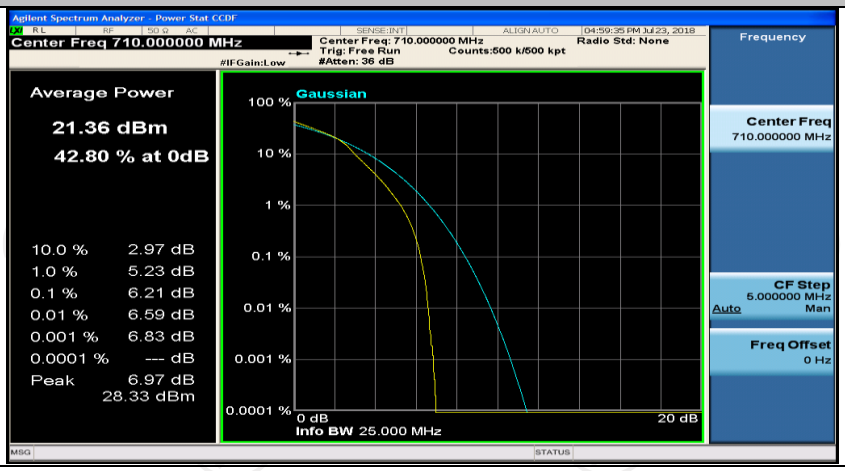
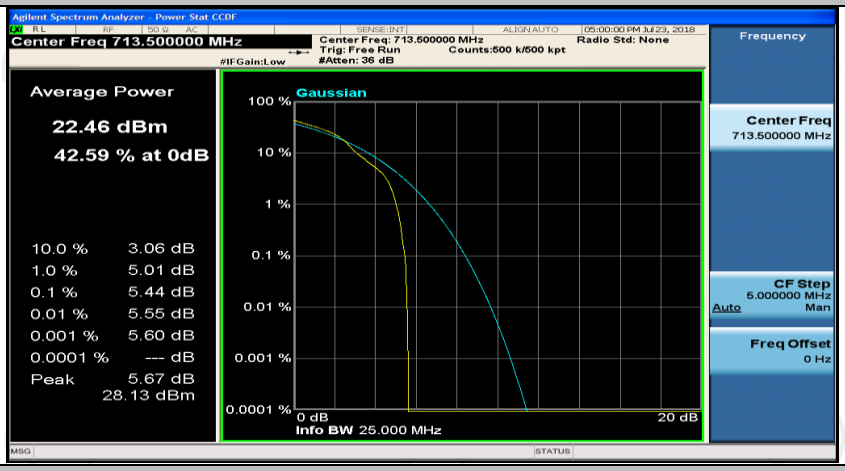


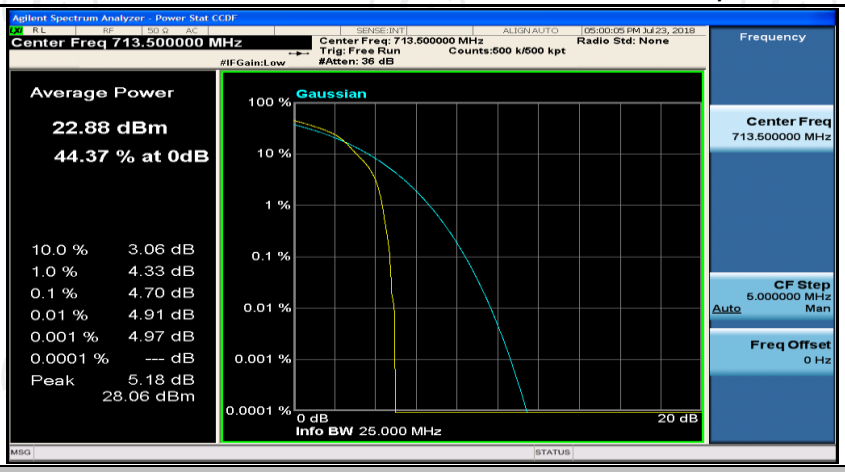
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



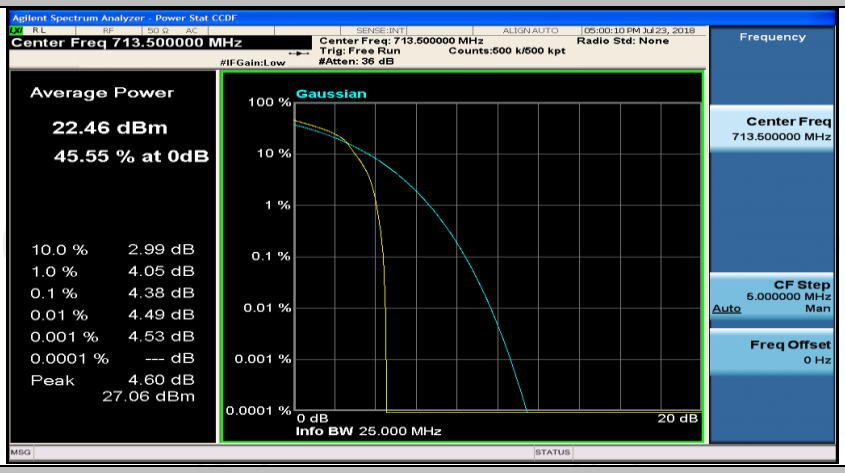
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



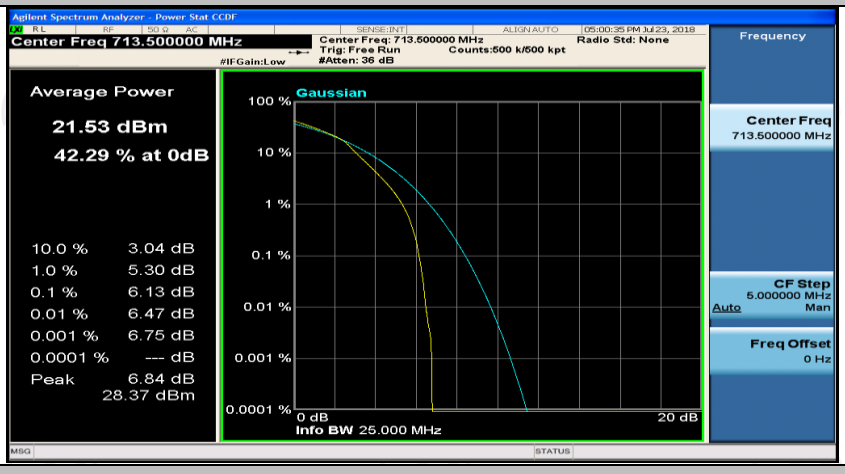
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



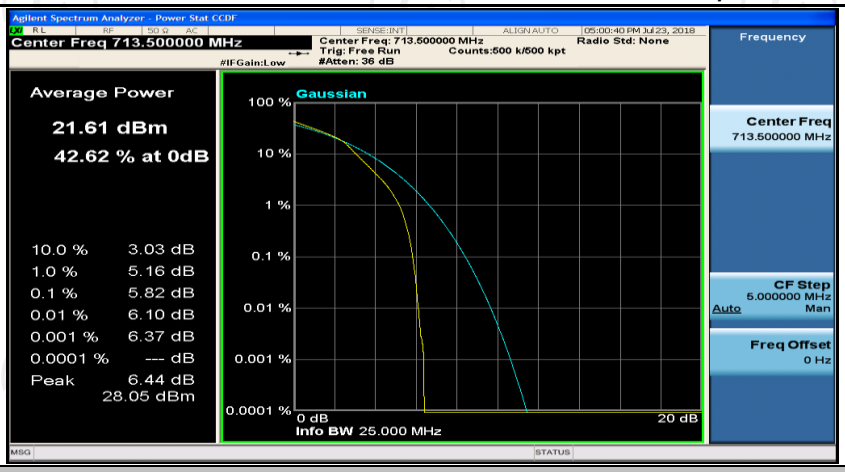
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



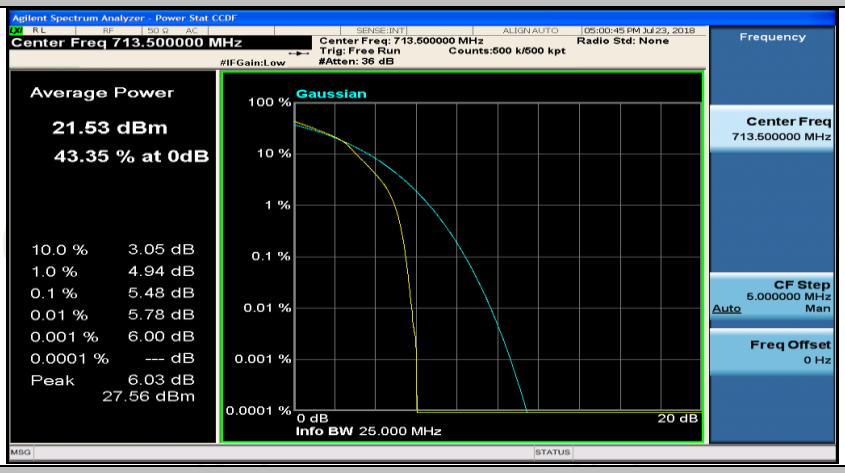
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



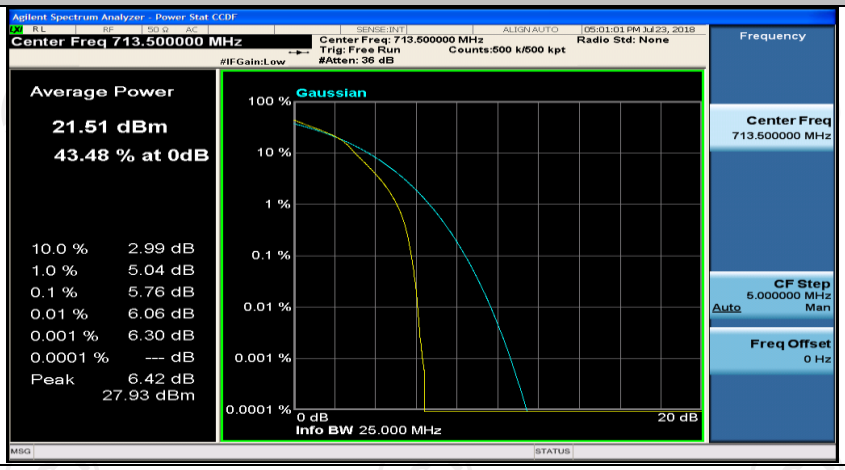
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



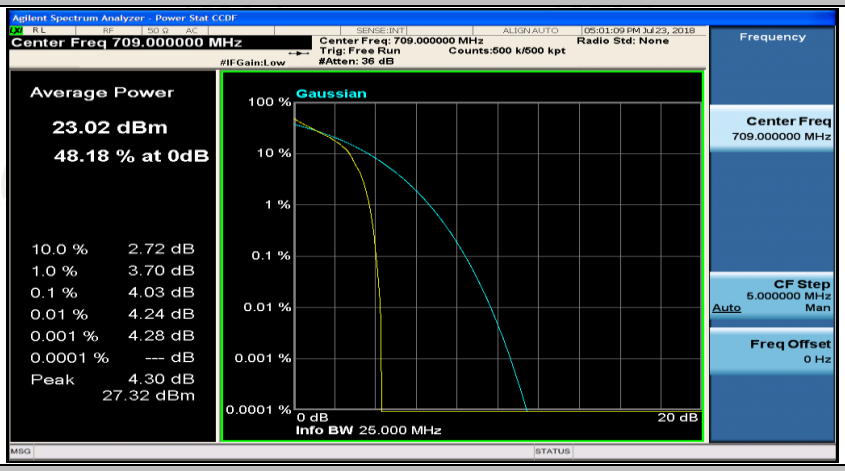
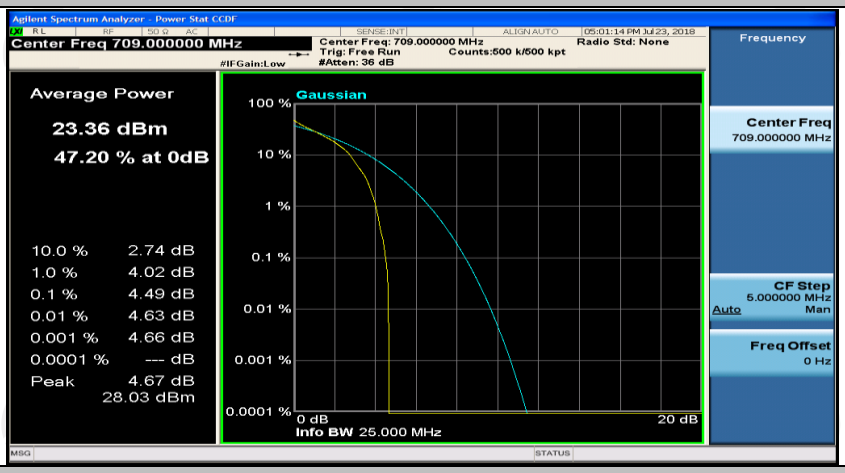
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

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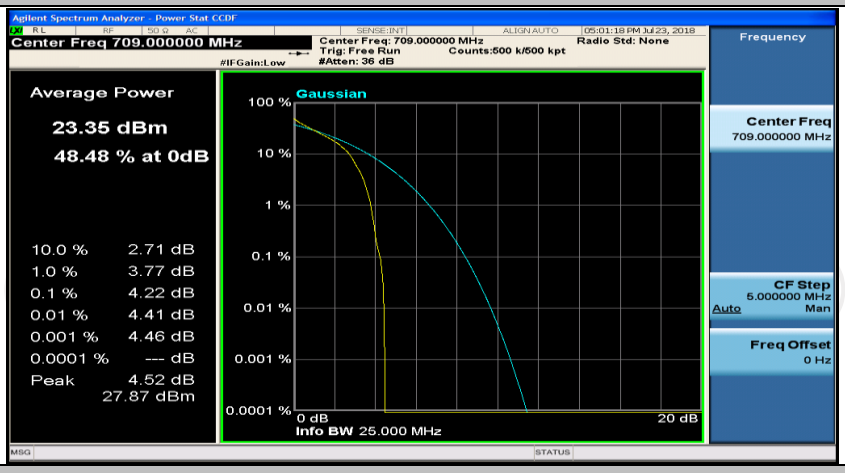
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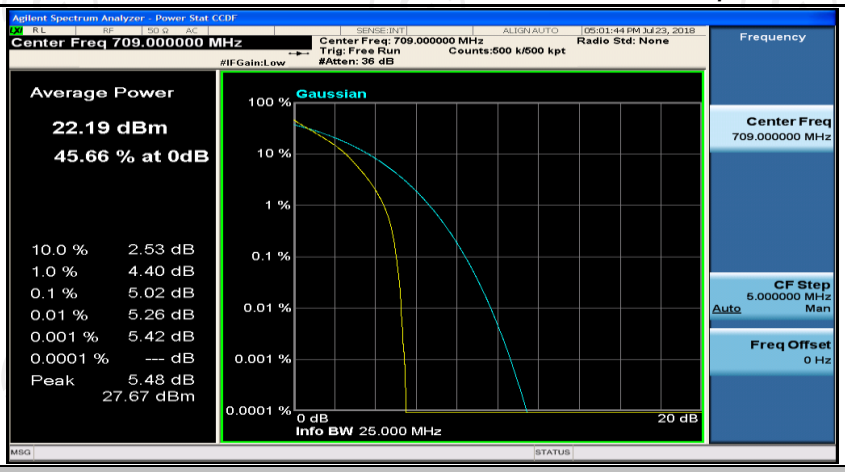
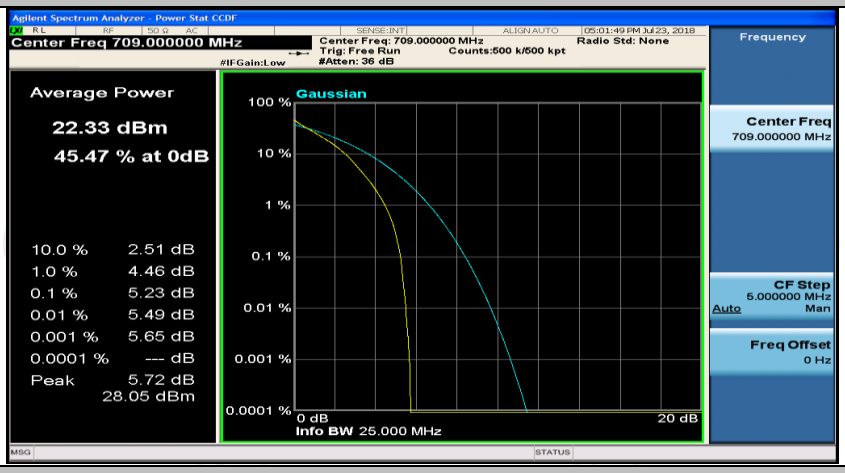
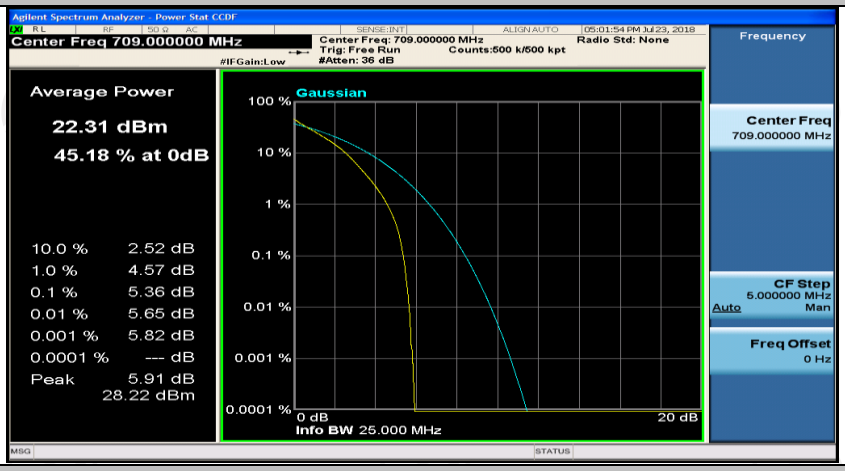


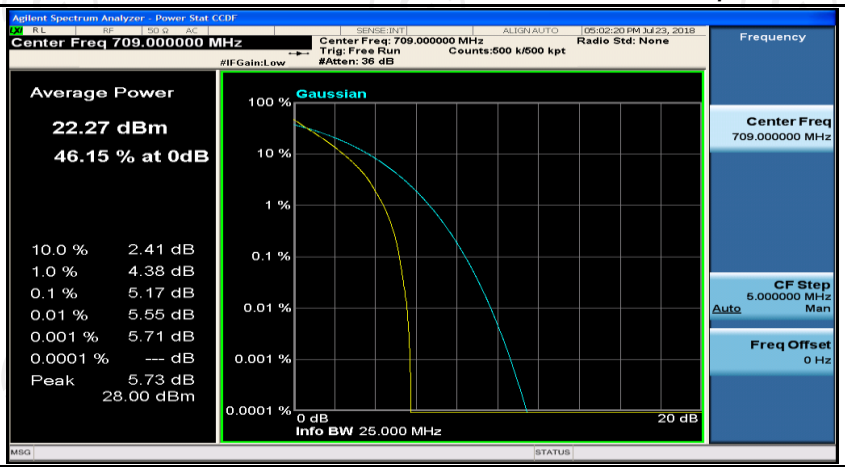
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



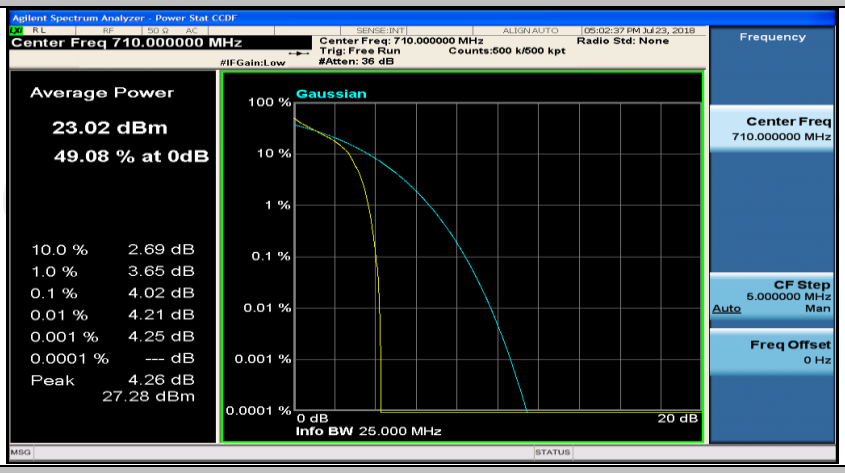
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



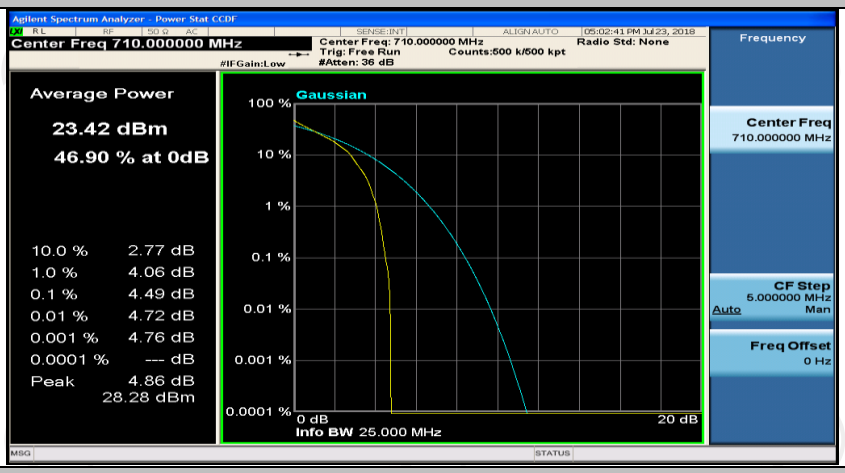
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



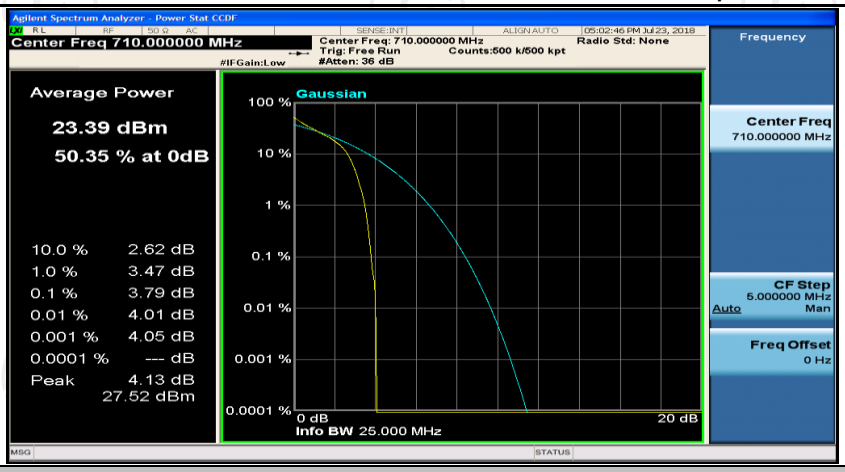
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



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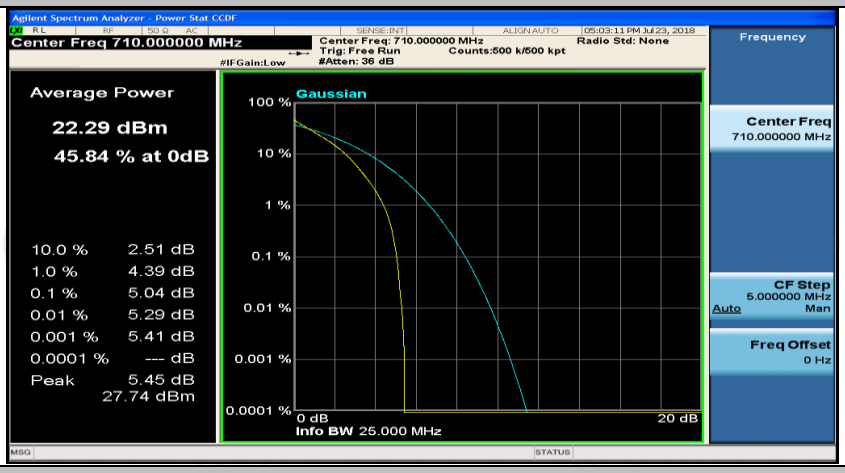

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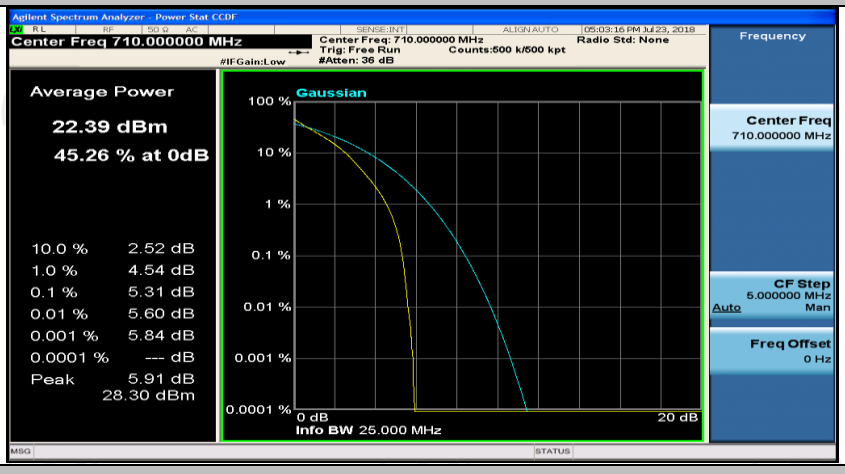
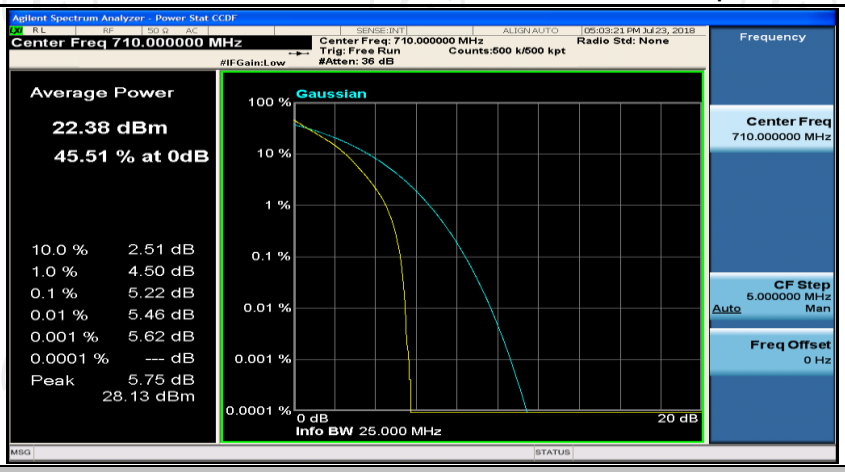
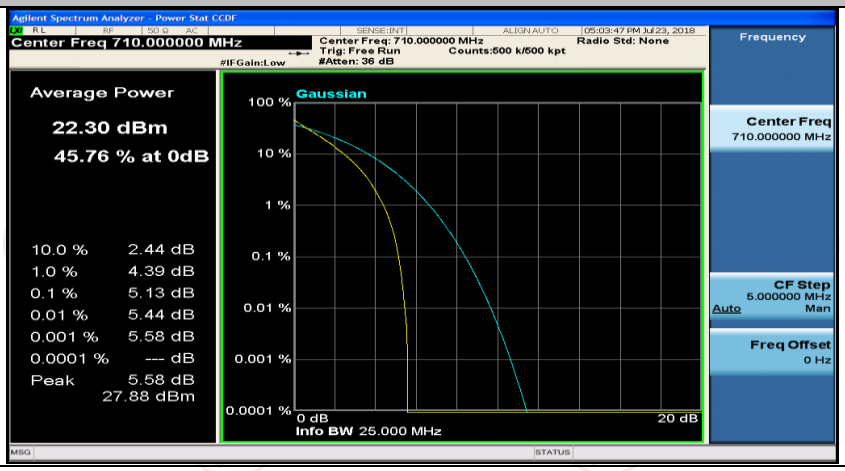


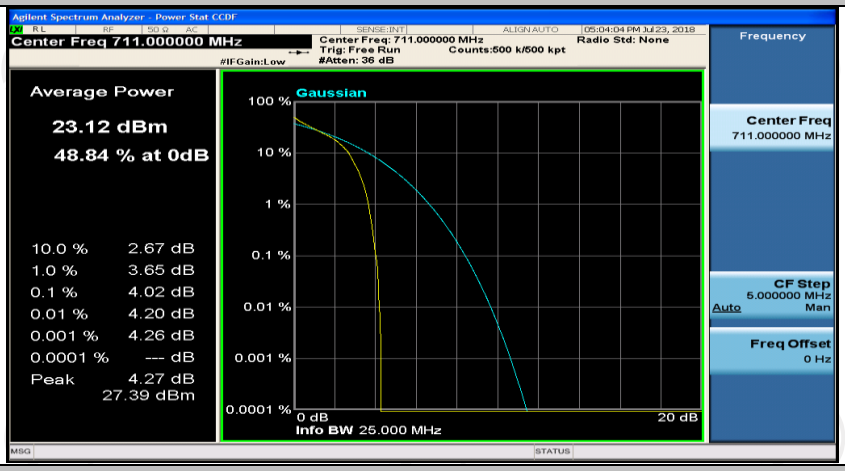
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



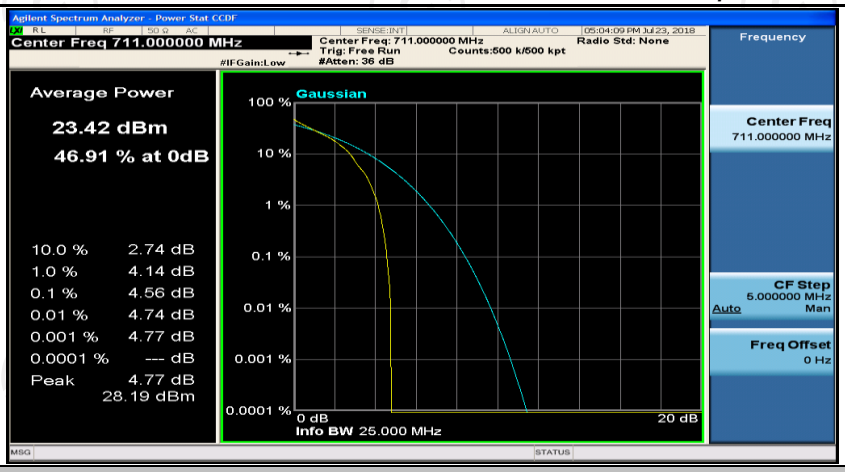
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



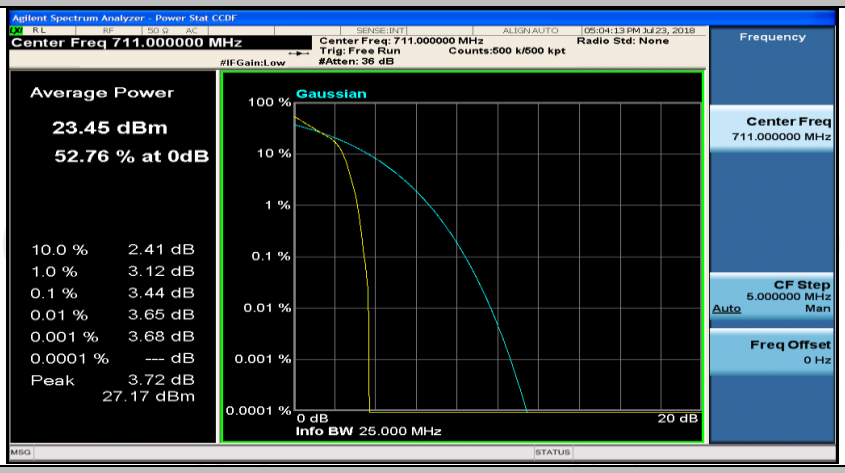
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



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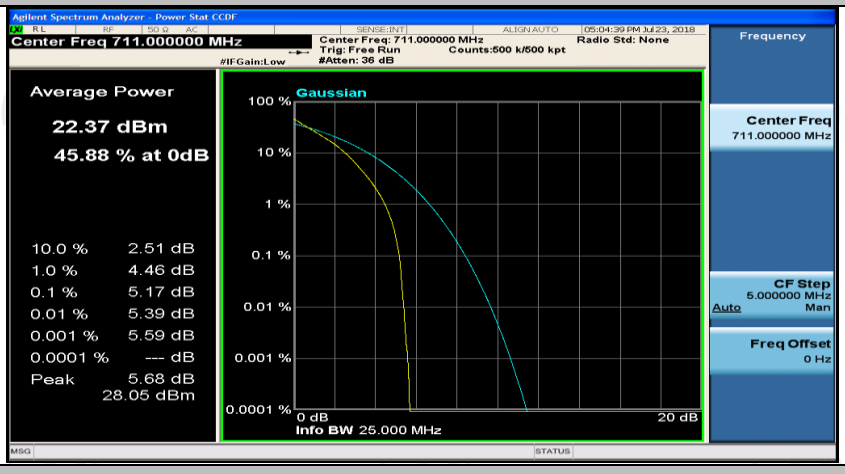
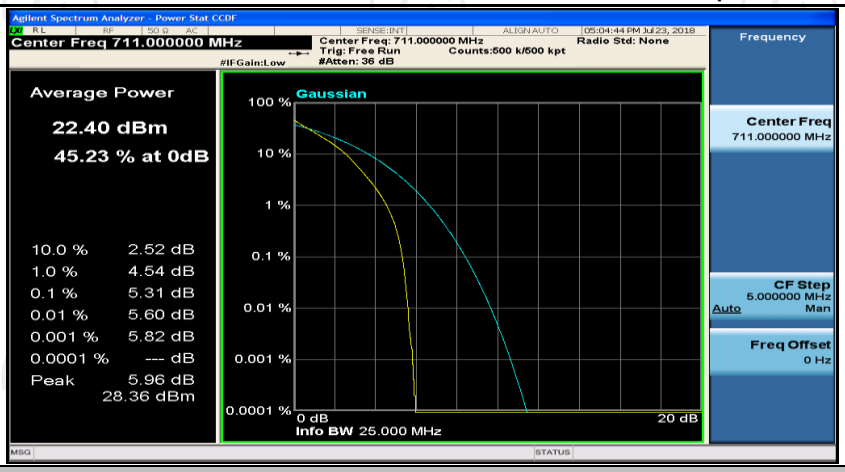
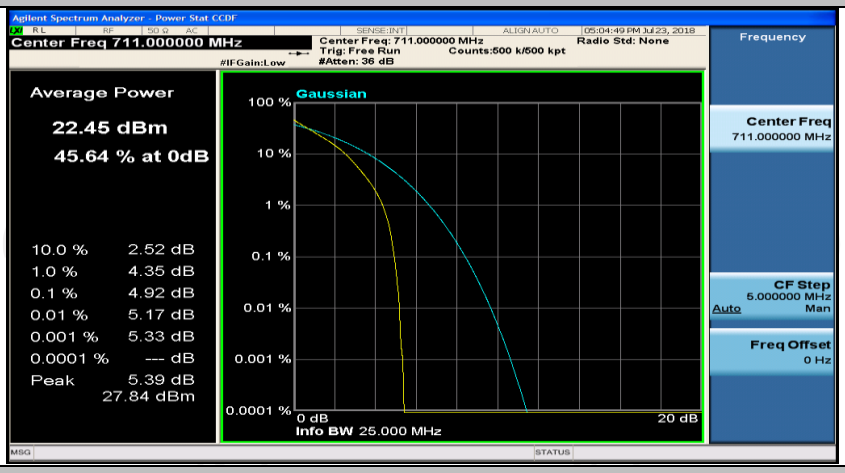


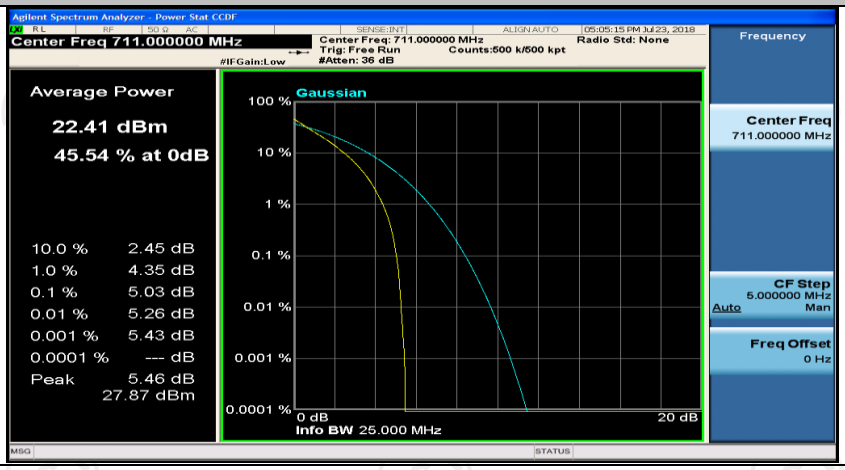
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



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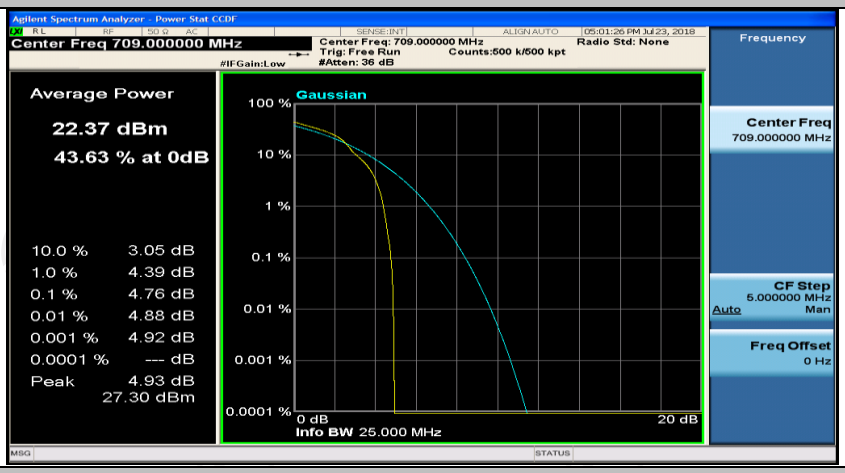
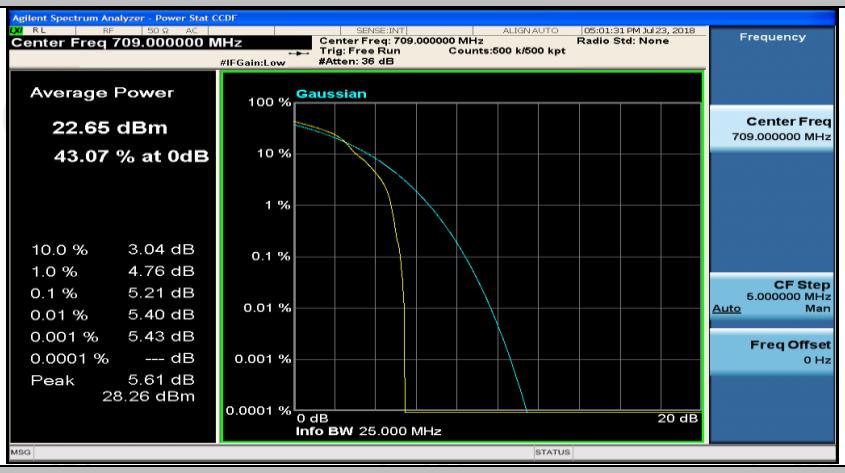
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

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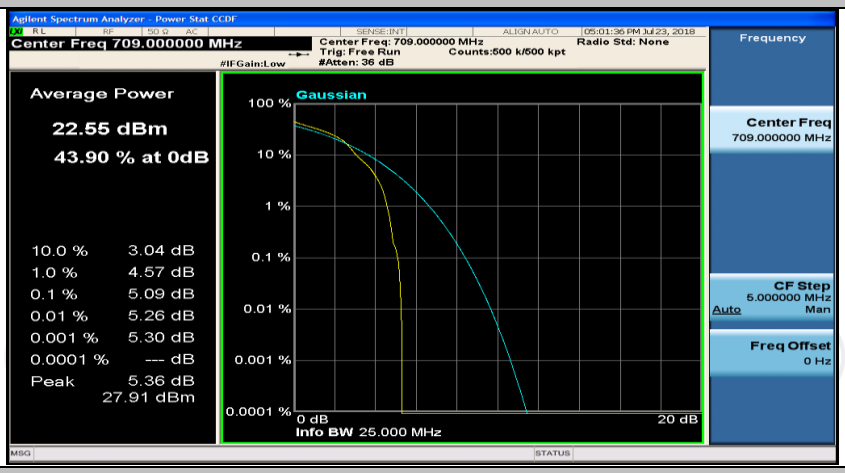
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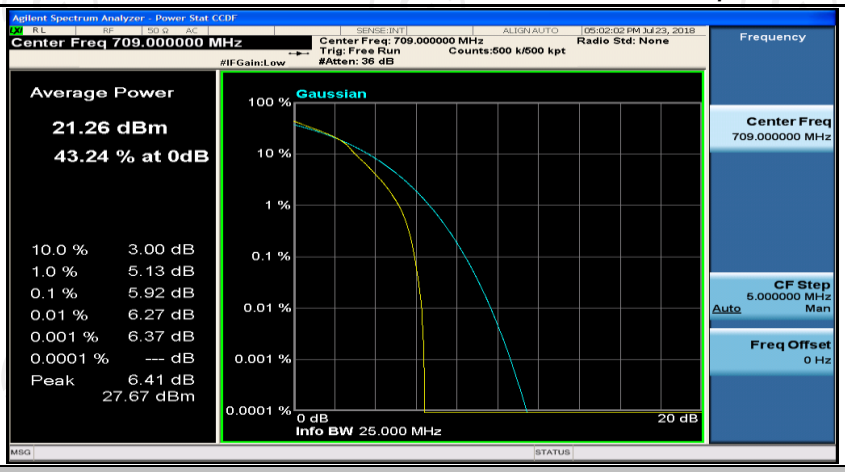

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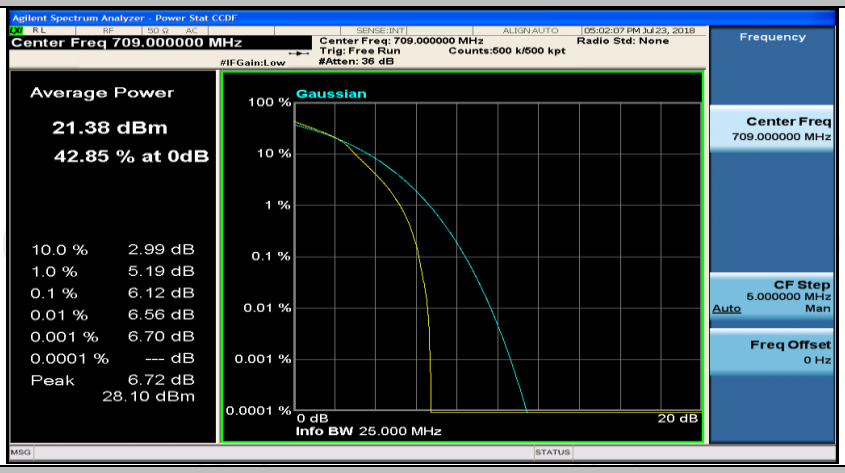

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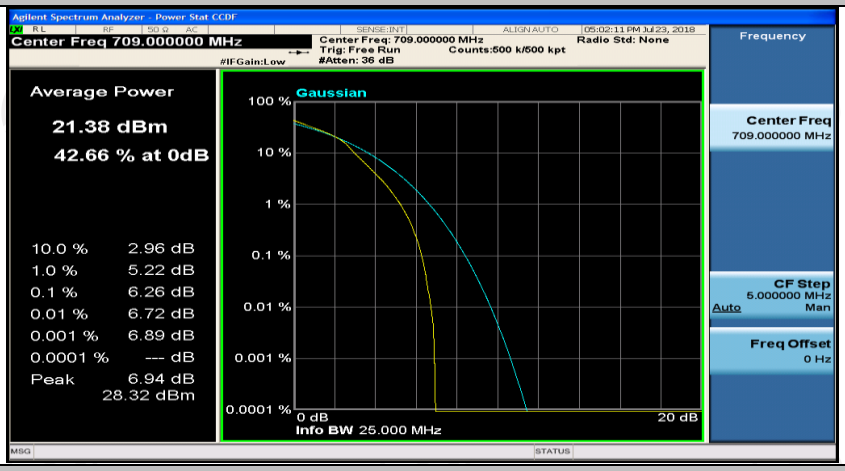
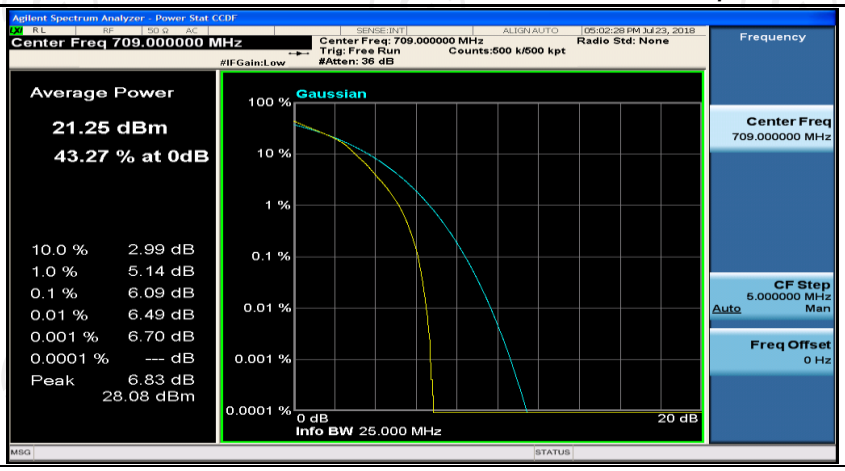
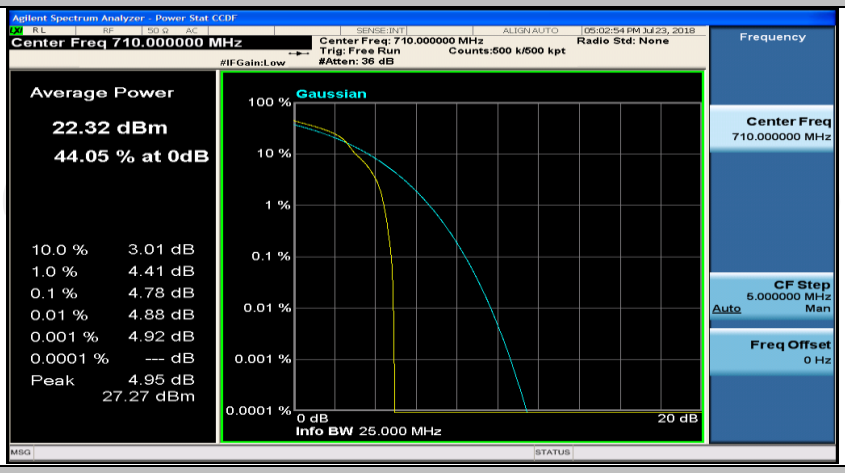


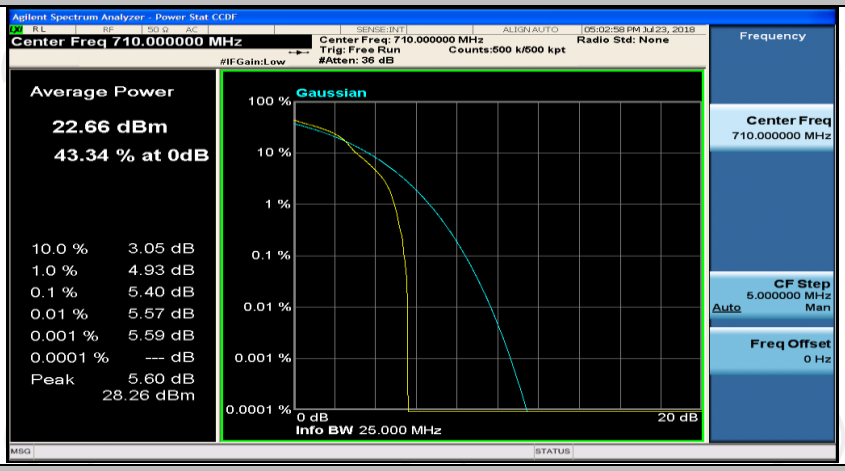
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49

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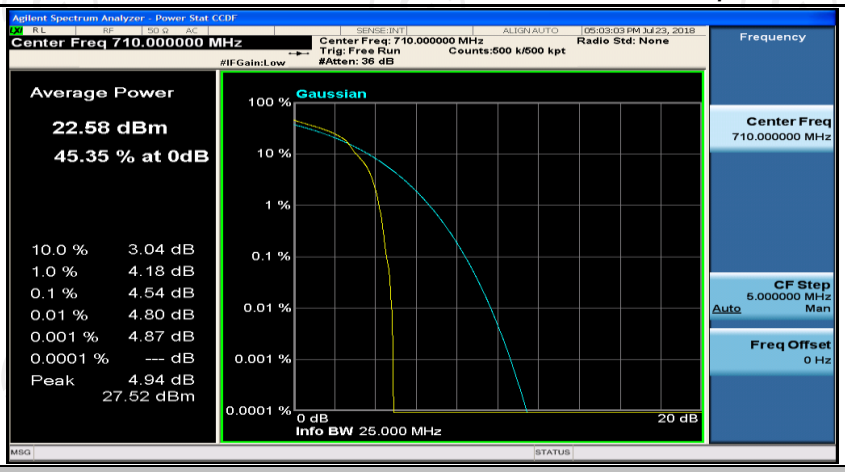

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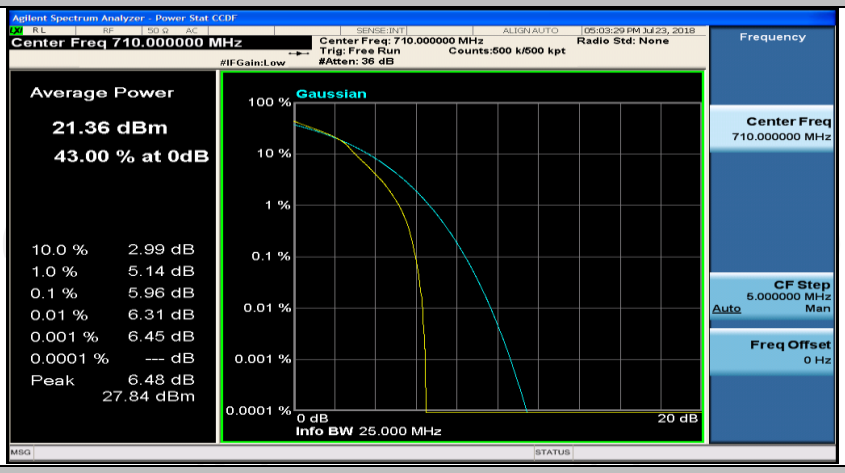
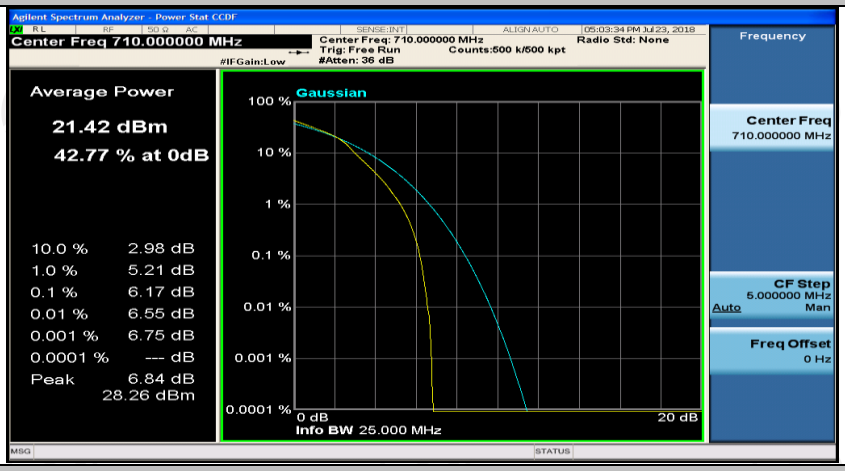


Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



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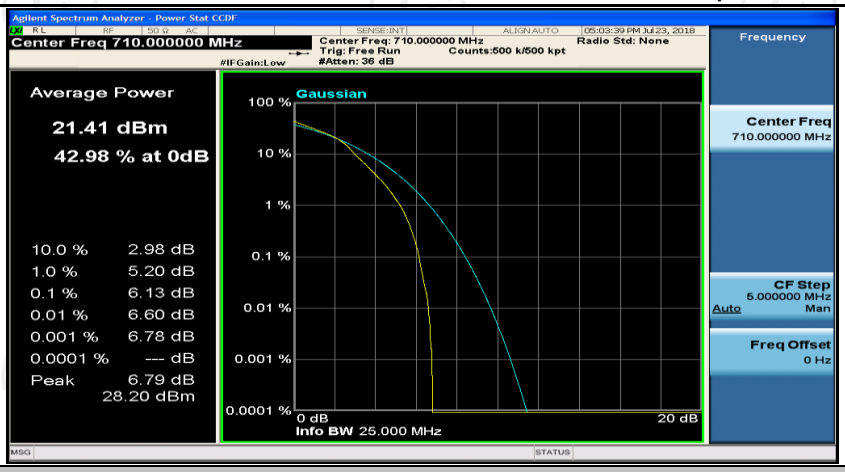
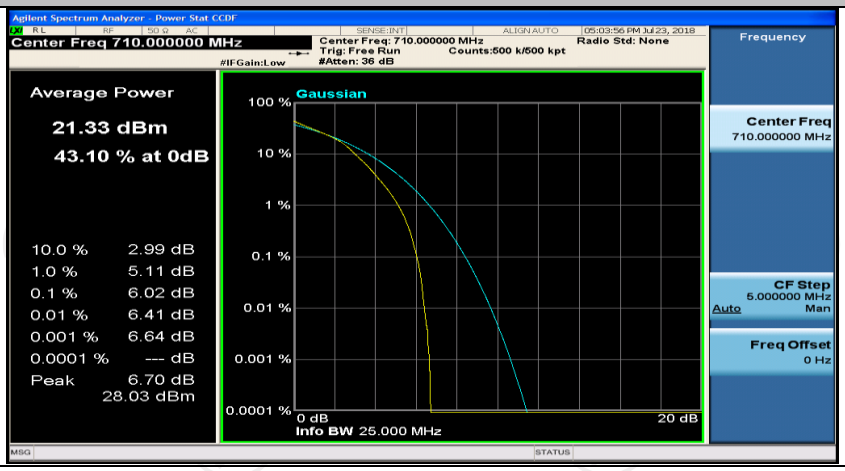
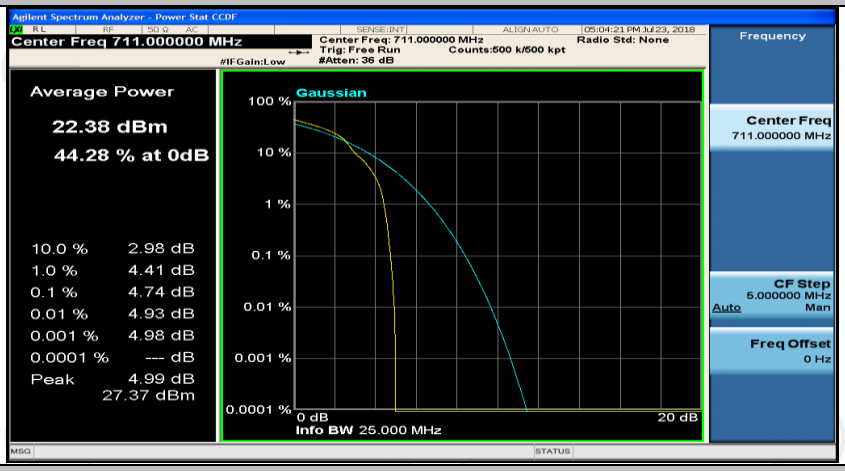


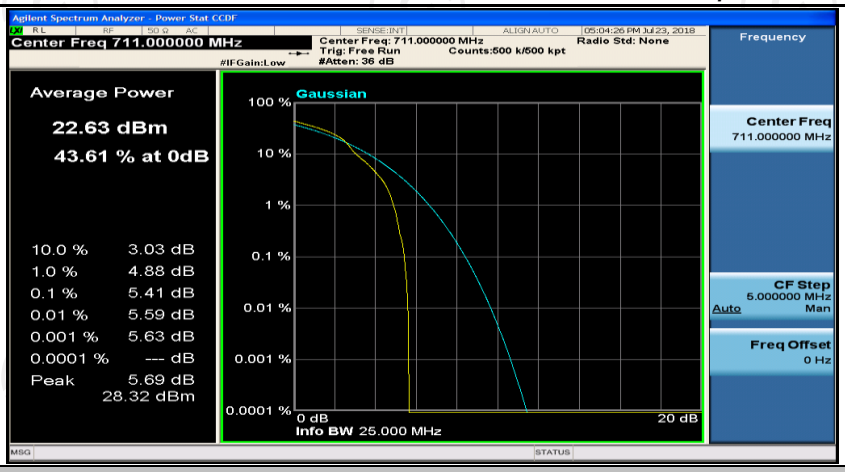
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



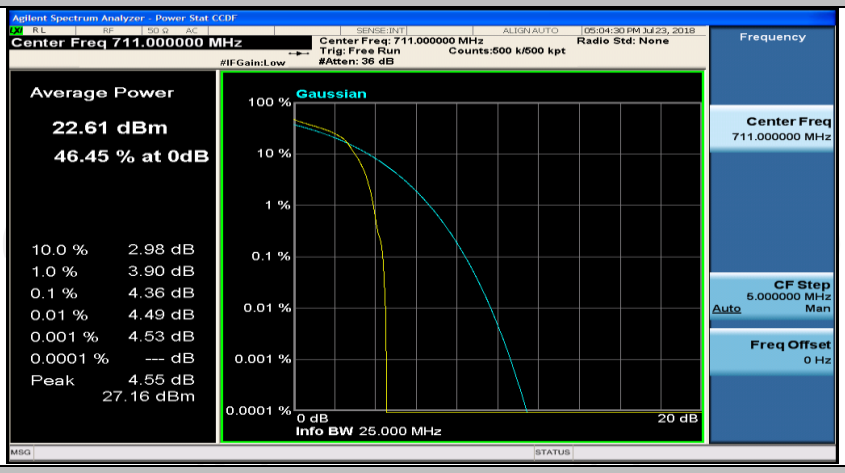
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



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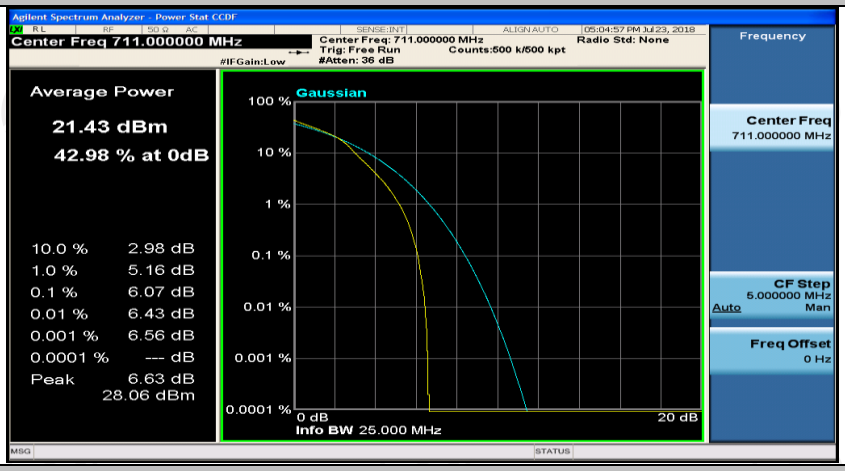
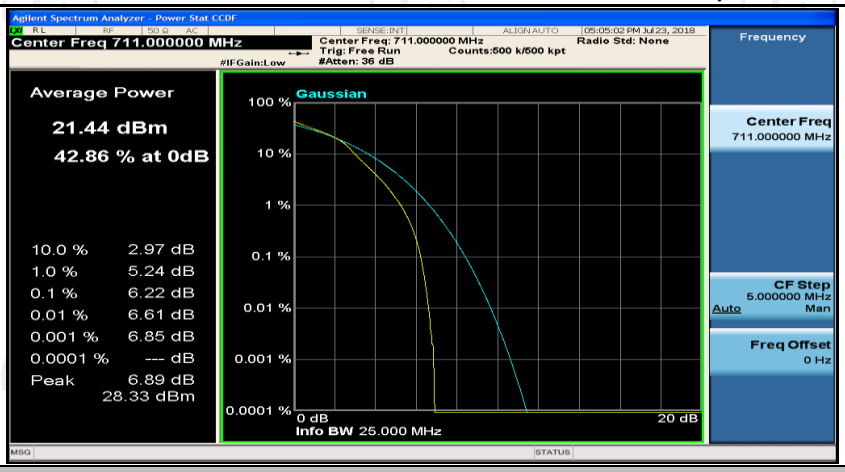
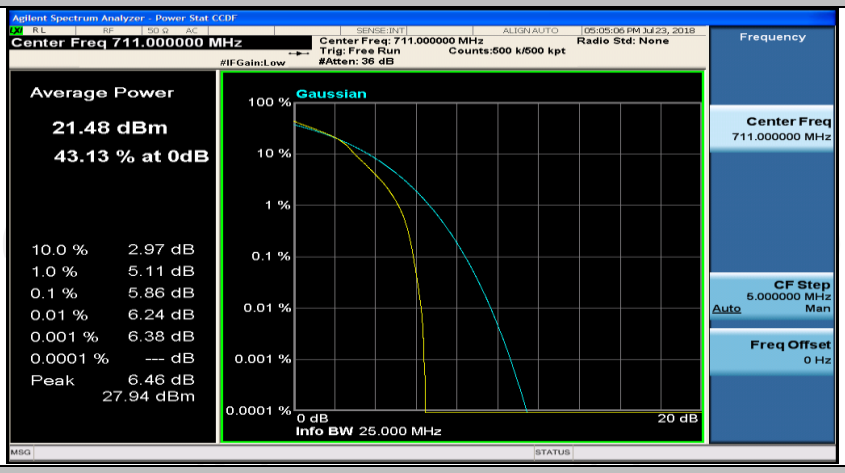


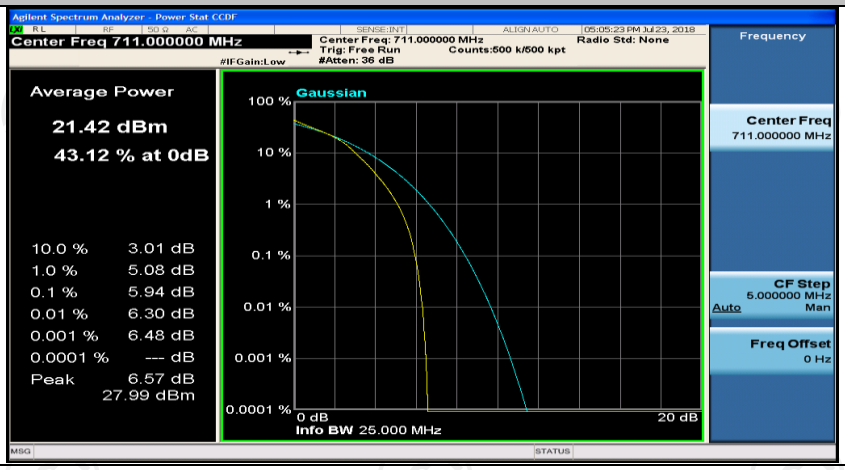
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.34360	0.6080	PASS
		1	12	0.35826	0.6056	PASS
		1	24	0.35119	0.5799	PASS
		12	0	2.1752	2.571	PASS
		12	6	2.1826	2.626	PASS
		12	13	2.1753	2.573	PASS
		25	0	4.4797	4.849	PASS
	MCH	1	0	0.33494	0.6149	PASS
		1	12	0.36120	0.6473	PASS
		1	24	0.35125	0.5810	PASS
		12	0	2.1745	2.574	PASS
		12	6	2.1801	2.647	PASS
		12	13	2.1789	2.607	PASS
		25	0	4.4748	4.862	PASS
	HCH	1	0	0.34537	0.5836	PASS
		1	12	0.37026	0.6344	PASS
		1	24	0.36021	0.6113	PASS
		12	0	2.1772	2.567	PASS
		12	6	2.1769	2.573	PASS
		12	13	2.1755	2.555	PASS
		25	0	4.4809	4.882	PASS
16QAM	LCH	1	0	0.36060	0.6364	PASS
		1	12	0.37805	0.6480	PASS
		1	24	0.36780	0.6039	PASS
		12	0	2.1839	2.636	PASS
		12	6	2.1789	2.576	PASS
		12	13	2.1774	2.525	PASS
		25	0	4.4785	4.886	PASS
	MCH	1	0	0.35393	0.5623	PASS
		1	12	0.37874	0.6203	PASS

		1	24	0.37528	0.6373	PASS
		12	0	2.1826	2.577	PASS
		12	6	2.1773	2.705	PASS
		12	13	2.1820	2.608	PASS
		25	0	4.4827	4.797	PASS
	HCH	1	0	0.34466	0.5836	PASS
		1	12	0.39518	0.6202	PASS
		1	24	0.38307	0.6614	PASS
		12	0	2.1796	2.571	PASS
		12	6	2.1835	2.656	PASS
		12	13	2.1839	2.552	PASS
		25	0	4.4821	4.858	PASS

Channel Bandwidth: 10 MHz

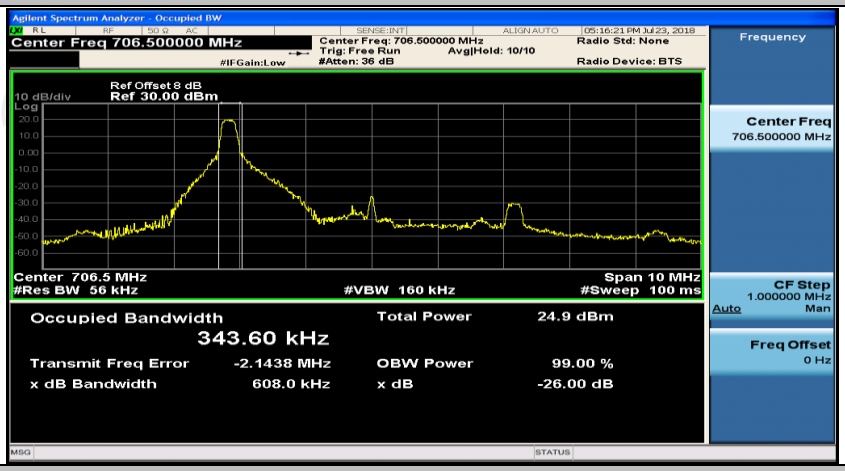
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	1	0	0.44046	0.7146	PASS
		1	25	0.45500	0.7416	PASS
		1	49	0.43497	0.6788	PASS
		25	0	4.5246	5.035	PASS
		25	12	4.5208	5.044	PASS
		25	25	4.5125	5.018	PASS
		50	0	8.9372	9.523	PASS
	MCH	1	0	0.44218	0.6892	PASS
		1	25	0.43333	0.6802	PASS
		1	49	0.43988	0.7289	PASS
		25	0	4.5169	5.036	PASS
		25	12	4.5225	5.048	PASS
		25	25	4.5220	5.011	PASS
		50	0	8.9351	9.502	PASS
	HCH	1	0	0.44276	0.7072	PASS
		1	25	0.45141	0.7246	PASS
		1	49	0.44449	0.6701	PASS
		25	0	4.5147	5.020	PASS
		25	12	4.5196	5.083	PASS
		25	25	4.5072	5.044	PASS
		50	0	8.9452	9.532	PASS
16QAM	LCH	1	0	0.44070	0.7086	PASS
		1	25	0.44183	0.6857	PASS
		1	49	0.45710	0.6594	PASS

		25	0	4.5101	5.028	PASS
		25	12	4.5157	4.987	PASS
		25	25	4.5063	5.027	PASS
		50	0	8.9293	9.471	PASS
	MCH	1	0	0.44124	0.6649	PASS
		1	25	0.44605	0.6805	PASS
		1	49	0.46221	0.7120	PASS
		25	0	4.5065	5.026	PASS
		25	12	4.5172	5.040	PASS
		25	25	4.5213	5.029	PASS
		50	0	8.9344	9.444	PASS
	HCH	1	0	0.43545	0.6579	PASS
		1	25	0.45196	0.6913	PASS
		1	49	0.45247	0.6760	PASS
		25	0	4.5056	5.057	PASS
		25	12	4.5057	5.055	PASS
		25	25	4.5174	5.034	PASS
		50	0	8.9372	9.490	PASS

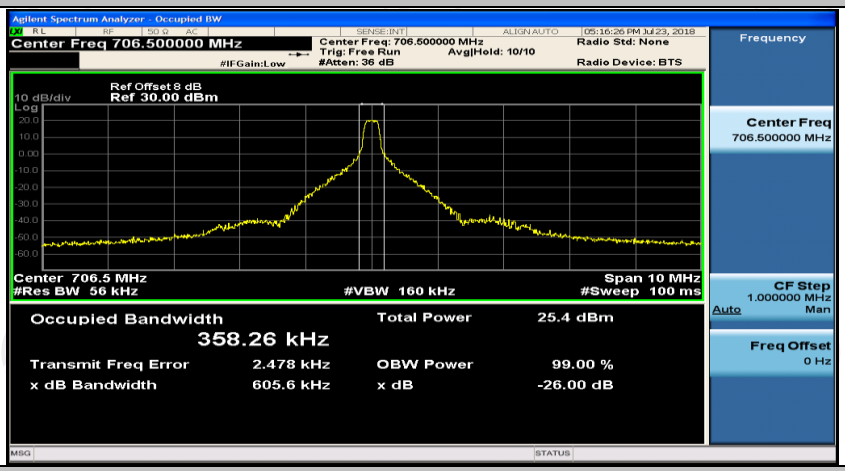
Test Graphs

Channel Bandwidth: 5 MHz

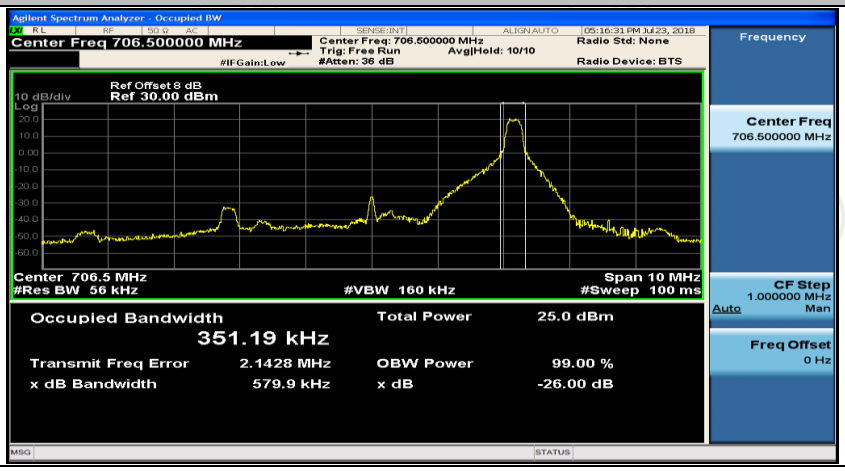
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



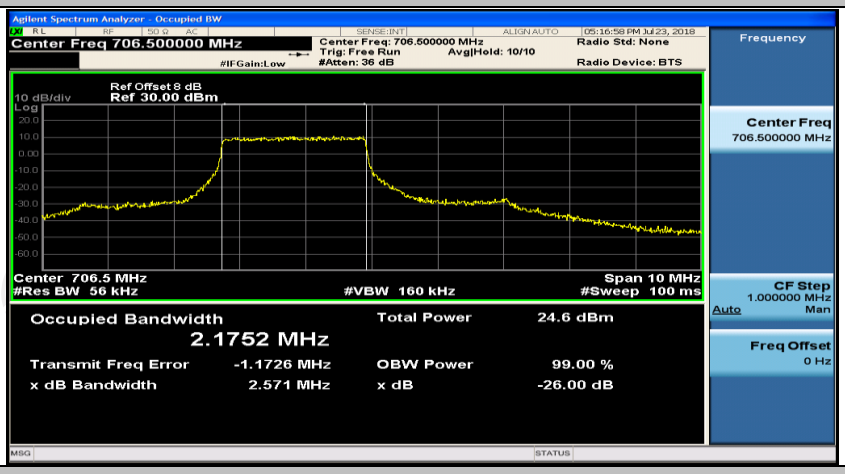
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



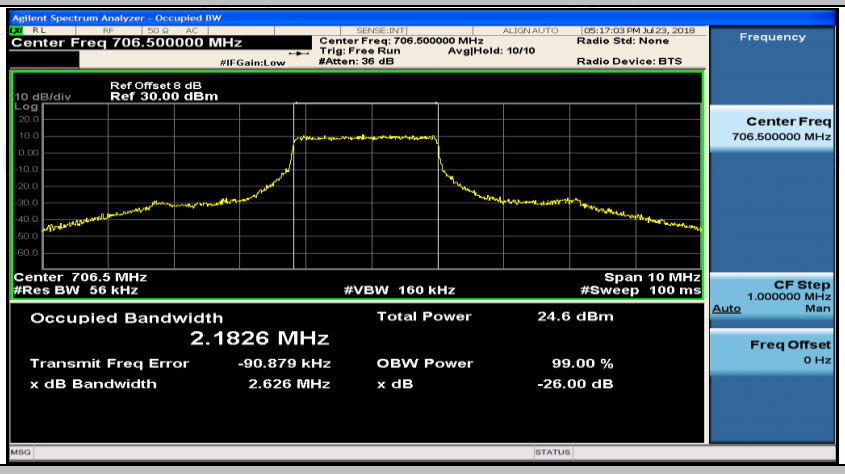
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



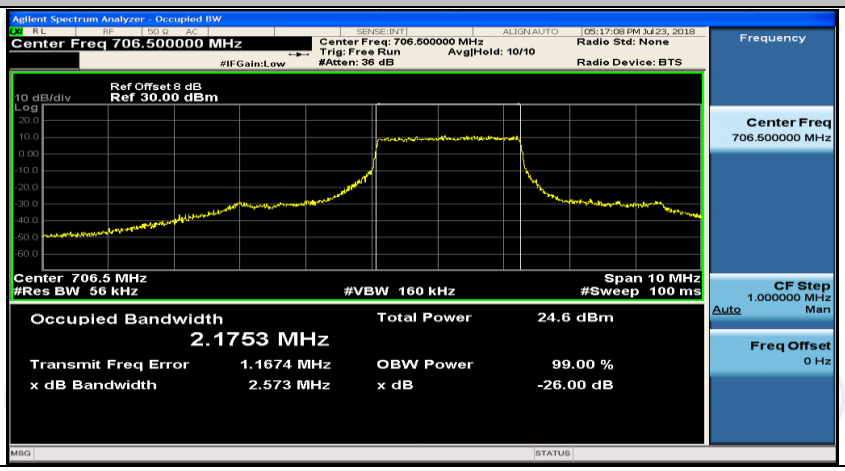
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



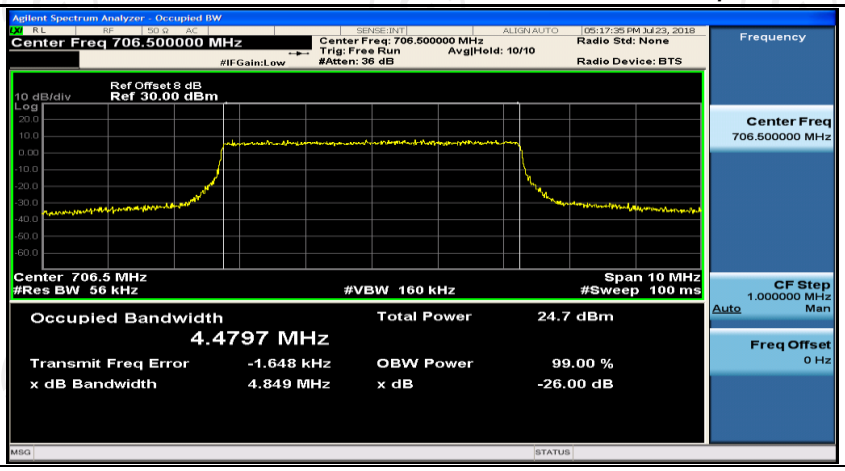
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



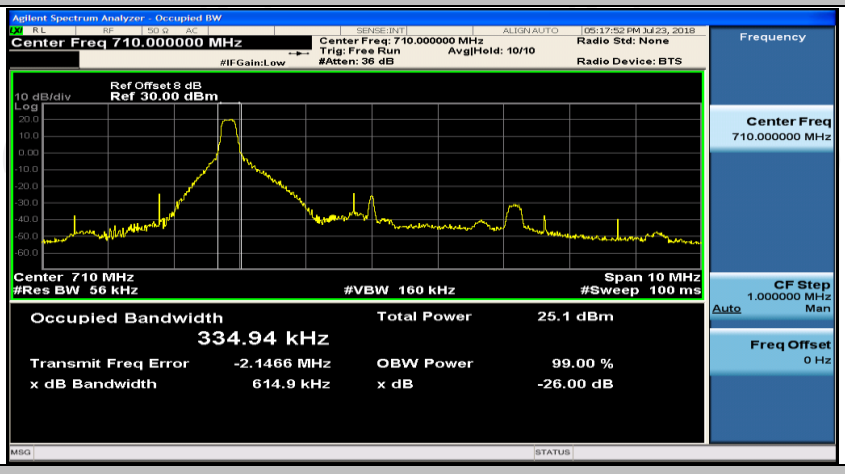
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



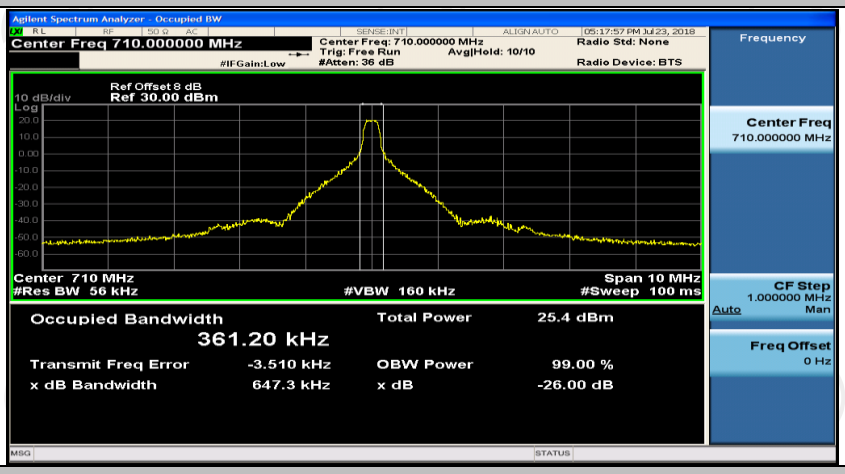
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24