Appendix C.2: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.31	<13	PASS
		1	3	4.92	<13	PASS
		1	5	4.55	<13	PASS
		3	0	5.14	<13	PASS
		3	2	4.81	<13	PASS
		3	3	4.65	<13	PASS
		6	0	5.57	<13	PASS
	MCH	1	0	3.47	<13	PASS
		1	3	3.83	<13	PASS
		1	5	4.08	<13	PASS
		3	0	3.78	<13	PASS
		3	2	4.1	<13	PASS
		3	3	4.26	<13	PASS
		6	0	5.28	<13	PASS
	HCH	1	0	2.87	<13	PASS
		1	3	3.37	<13	PASS
		1	5	3.73	<13	PASS
		3	0	3.11	<13	PASS
		3	2	3.37	<13	PASS
		3	3	3.58	<13	PASS
		6	0	4.35	<13	PASS
16QAM	LCH	1	0	6.25	<13	PASS
		1	3	5.74	<13	PASS
		1	5	5.46	<13	PASS
		3	0	6.08	<13	PASS
		3	2	5.79	<13	PASS
		3	3	5.62	<13	PASS
		6	0	6.57	<13	PASS
	MCH	1	0	4.31	<13	PASS
		1	3	4.72	<13	PASS
		1	5	4.91	<13	PASS
		3	0	4.61	<13	PASS
		3	2	4.86	<13	PASS

		3	3	5.02	<13	PASS
		6	0	6.12	<13	PASS
	HCH	1	0	3.79	<13	PASS
		1	3	4.23	<13	PASS
		1	5	4.51	<13	PASS
		3	0	3.81	<13	PASS
		3	2	4.06	<13	PASS
		3	3	4.21	<13	PASS
		6	0	5.13	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	5.27	<13	PASS
		1	7	4.05	<13	PASS
		1	14	2.87	<13	PASS
		8	0	5.41	<13	PASS
		8	4	4.75	<13	PASS
		8	7	4.4	<13	PASS
		15	0	5.05	<13	PASS
	MCH	1	0	2.9	<13	PASS
		1	7	3.66	<13	PASS
		1	14	4.6	<13	PASS
		8	0	4.71	<13	PASS
		8	4	5.18	<13	PASS
		8	7	5.57	<13	PASS
		15	0	5.46	<13	PASS
	HCH	1	0	2.96	<13	PASS
		1	7	2.65	<13	PASS
		1	14	3.61	<13	PASS
		8	0	3.75	<13	PASS
		8	4	3.61	<13	PASS
		8	7	4.02	<13	PASS
		15	0	4.52	<13	PASS
16QAM	LCH	1	0	6.15	<13	PASS
		1	7	5.02	<13	PASS
		1	14	3.86	<13	PASS
		8	0	6.21	<13	PASS
		8	4	5.6	<13	PASS
		8	7	5.22	<13	PASS

		15	0	5.98	<13	PASS
	MCH	1	0	3.79	<13	PASS
		1	7	4.56	<13	PASS
		1	14	5.52	<13	PASS
		8	0	5.5	<13	PASS
		8	4	5.93	<13	PASS
		8	7	6.27	<13	PASS
		15	0	6.3	<13	PASS
	HCH	1	0	4.02	<13	PASS
		1	7	3.64	<13	PASS
		1	14	4.45	<13	PASS
		8	0	4.6	<13	PASS
		8	4	4.47	<13	PASS
		8	7	4.78	<13	PASS
		15	0	5.18	<13	PASS

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	5.1	<13	PASS
		1	12	3.01	<13	PASS
		1	24	2.21	<13	PASS
		12	0	5.09	<13	PASS
		12	6	4.19	<13	PASS
		12	13	3.77	<13	PASS
		25	0	4.7	<13	PASS
	MCH	1	0	2.46	<13	PASS
		1	12	3.69	<13	PASS
		1	24	5.37	<13	PASS
		12	0	4.36	<13	PASS
		12	6	5.06	<13	PASS
		12	13	5.84	<13	PASS
		25	0	5.51	<13	PASS
	HCH	1	0	5.11	<13	PASS
		1	12	2.93	<13	PASS
		1	24	3.6	<13	PASS
		12	0	4.76	<13	PASS
		12	6	4.06	<13	PASS
		12	13	4	<13	PASS
		25	0	4.91	<13	PASS

16QAM	LCH	1	0	6.04	<13	PASS
		1	12	4.01	<13	PASS
		1	24	3.27	<13	PASS
		12	0	6.03	<13	PASS
		12	6	5.21	<13	PASS
		12	13	4.69	<13	PASS
		25	0	5.69	<13	PASS
	MCH	1	0	3.48	<13	PASS
		1	12	4.66	<13	PASS
		1	24	6.27	<13	PASS
		12	0	5.21	<13	PASS
		12	6	5.96	<13	PASS
		12	13	6.59	<13	PASS
		25	0	6.28	<13	PASS
	HCH	1	0	5.83	<13	PASS
		1	12	3.78	<13	PASS
		1	24	4.18	<13	PASS
		12	0	5.93	<13	PASS
		12	6	5.04	<13	PASS
		12	13	4.93	<13	PASS
		25	0	5.73	<13	PASS

Channel Bandwidth: 10 MHz

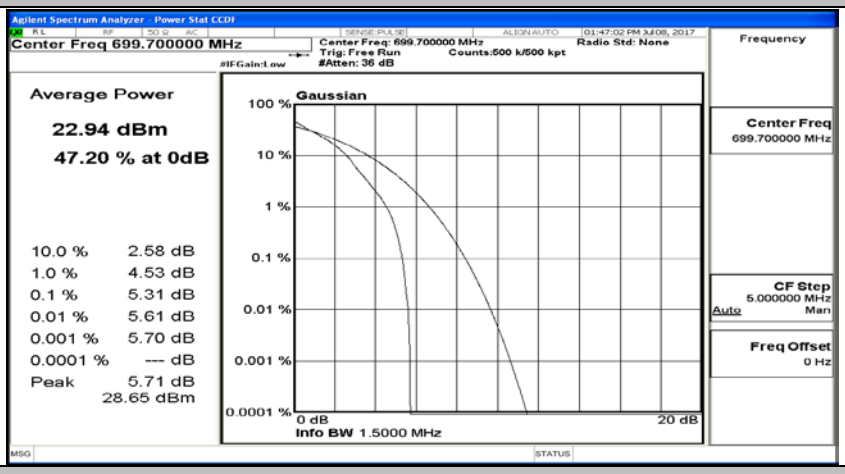
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.01	<13	PASS
		1	24	2.14	<13	PASS
		1	49	4.3	<13	PASS
		25	0	4.34	<13	PASS
		25	12	3.86	<13	PASS
		25	25	4.74	<13	PASS
		50	0	5.26	<13	PASS
	MCH	1	0	2.24	<13	PASS
		1	24	3.67	<13	PASS
		1	49	4.42	<13	PASS
		25	0	4.06	<13	PASS
		25	12	5.32	<13	PASS
		25	25	5.6	<13	PASS
		50	0	5.81	<13	PASS
	HCH	1	0	3.01	<13	PASS

		1	24	5.24	<13	PASS
		1	49	3.18	<13	PASS
		25	0	6.04	<13	PASS
		25	12	5.17	<13	PASS
		25	25	4.91	<13	PASS
		50	0	4.86	<13	PASS
16QAM	LCH	1	0	5.89	<13	PASS
		1	24	3.21	<13	PASS
		1	49	5.19	<13	PASS
		25	0	5.29	<13	PASS
		25	12	4.62	<13	PASS
		25	25	5.56	<13	PASS
		50	0	5.86	<13	PASS
	MCH	1	0	3.25	<13	PASS
		1	24	4.55	<13	PASS
		1	49	5.37	<13	PASS
		25	0	4.83	<13	PASS
		25	12	6.14	<13	PASS
		25	25	6.41	<13	PASS
		50	0	6.46	<13	PASS
	HCH	1	0	4.02	<13	PASS
		1	24	6.24	<13	PASS
		1	49	4.07	<13	PASS
		25	0	6.87	<13	PASS
		25	12	6.13	<13	PASS
		25	25	5.81	<13	PASS
		50	0	5.94	<13	PASS

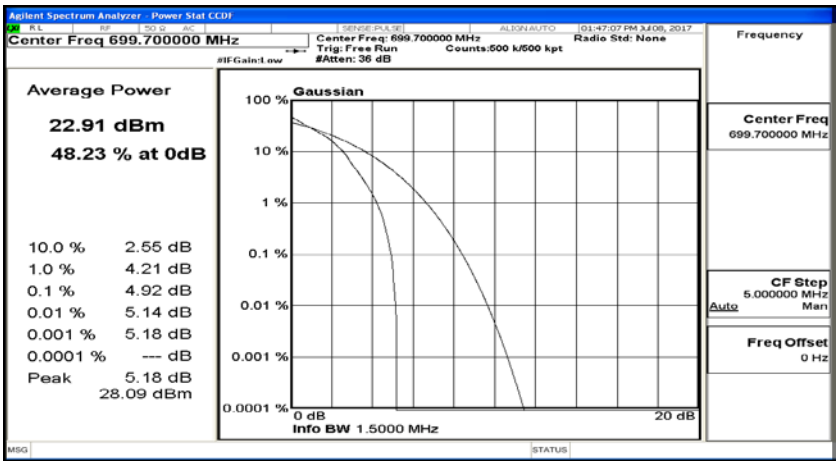
Test Graphs

Channel Bandwidth: 1.4 MHz

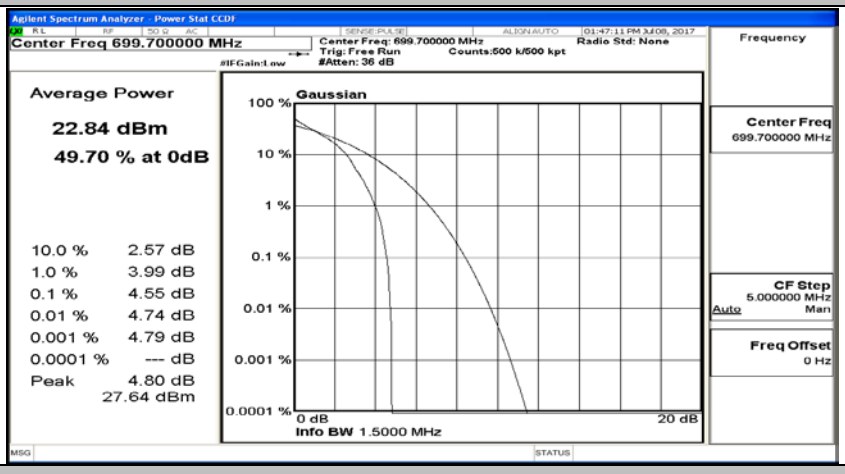
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



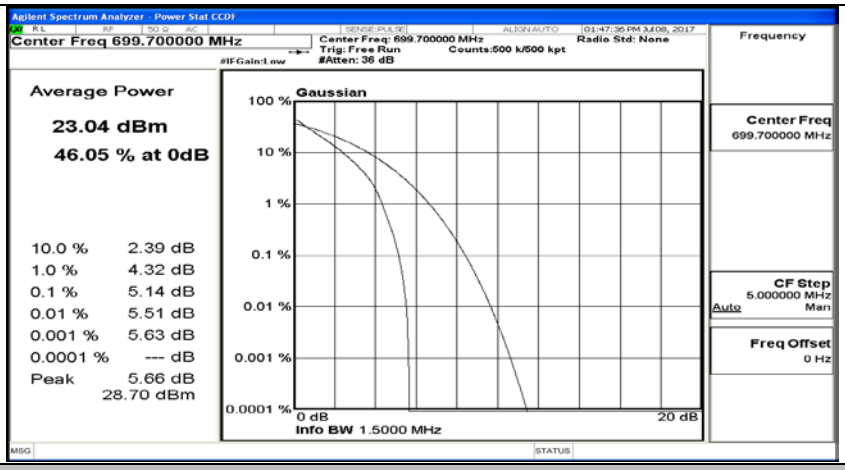
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



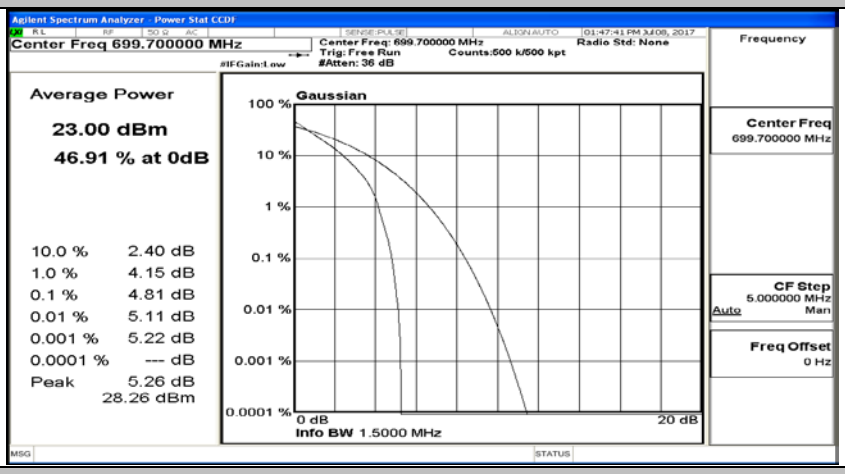
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



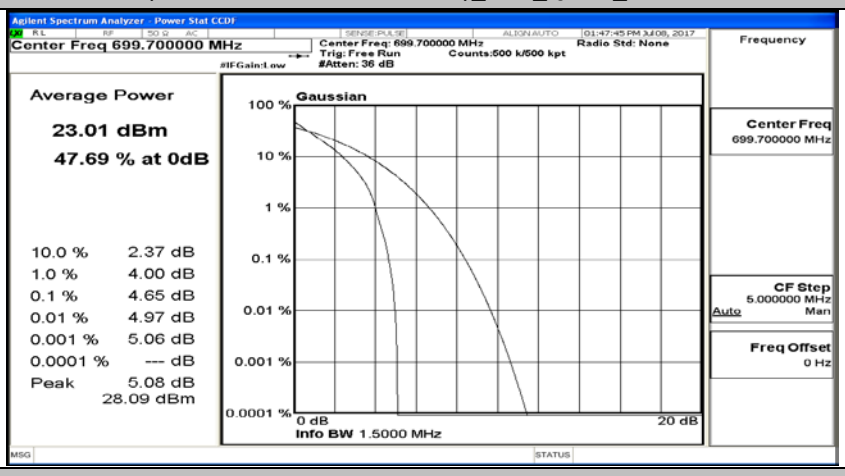
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



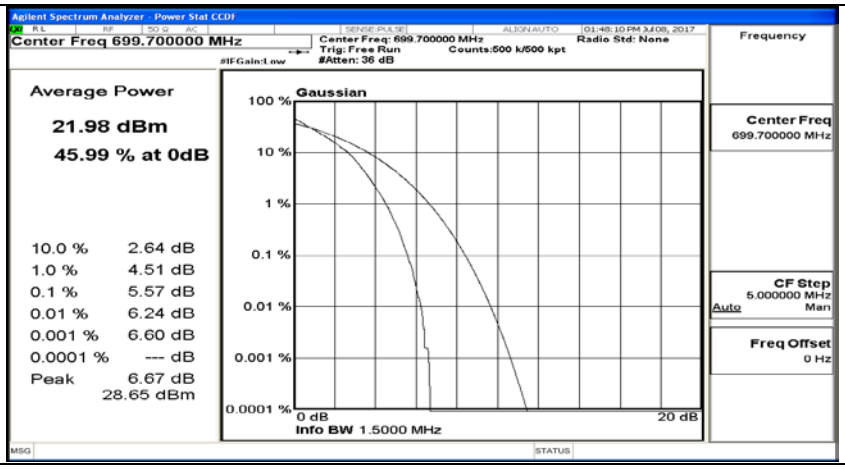
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



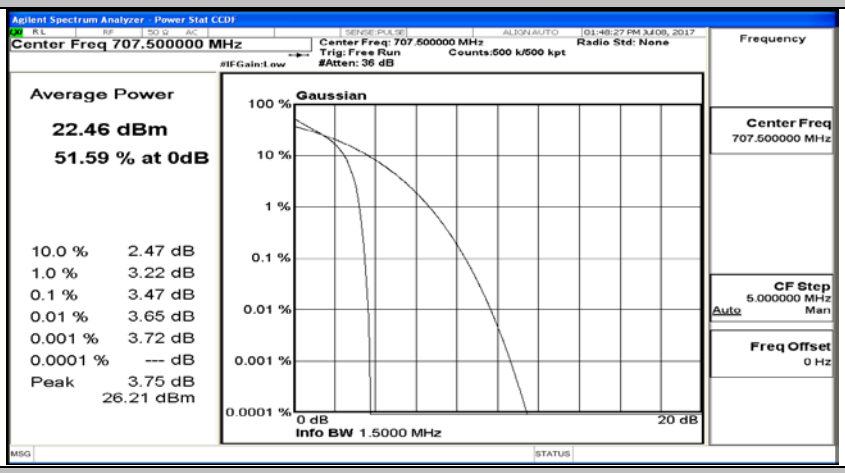
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



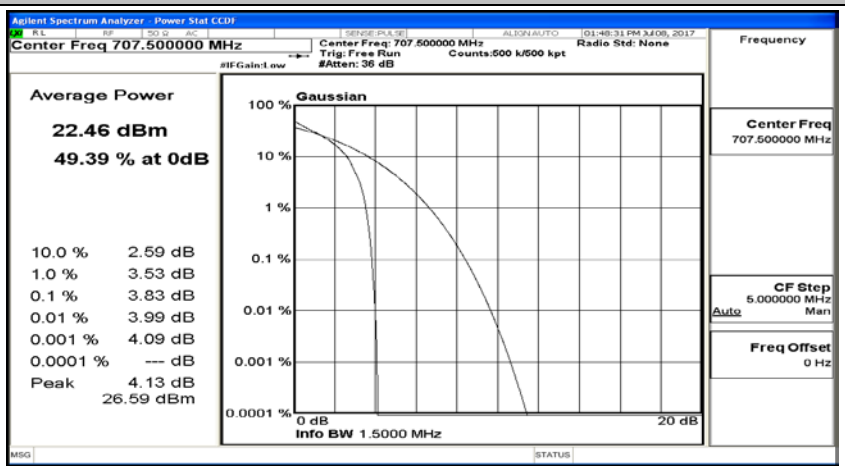
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



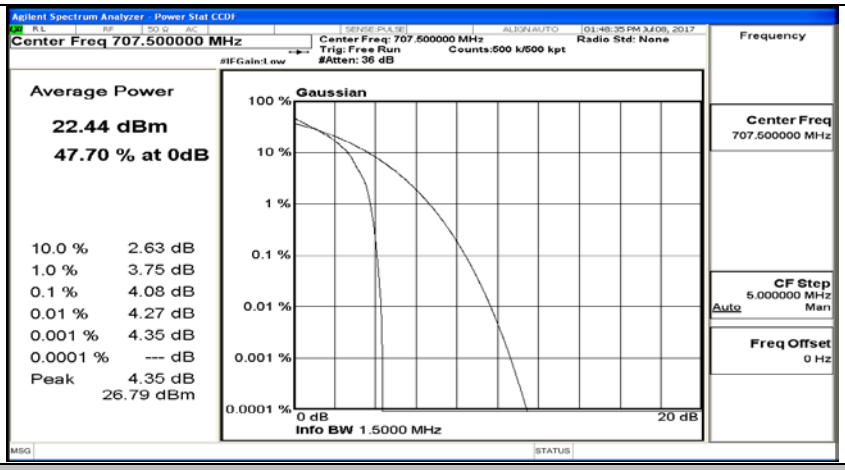
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



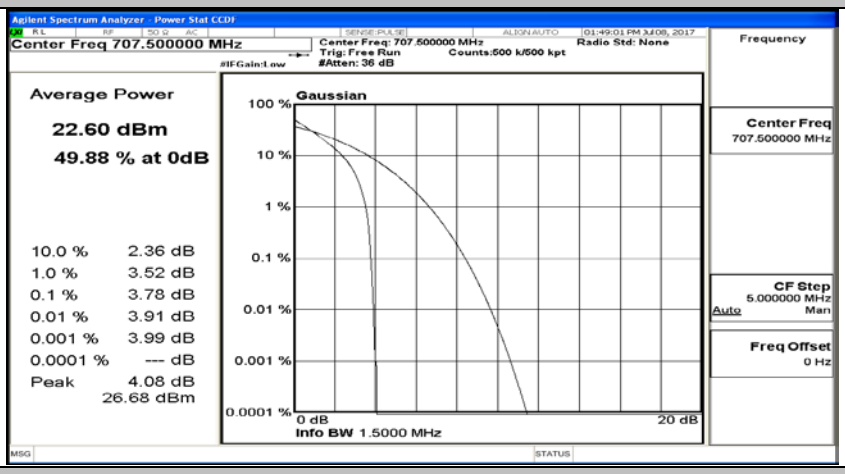
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



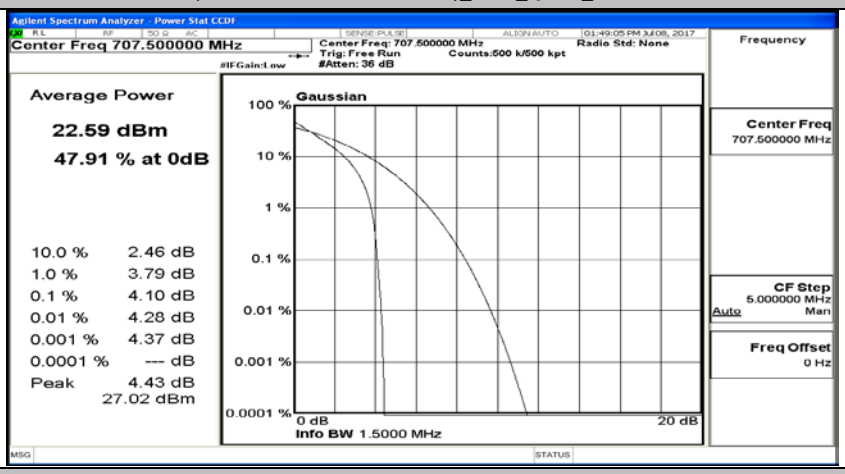
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



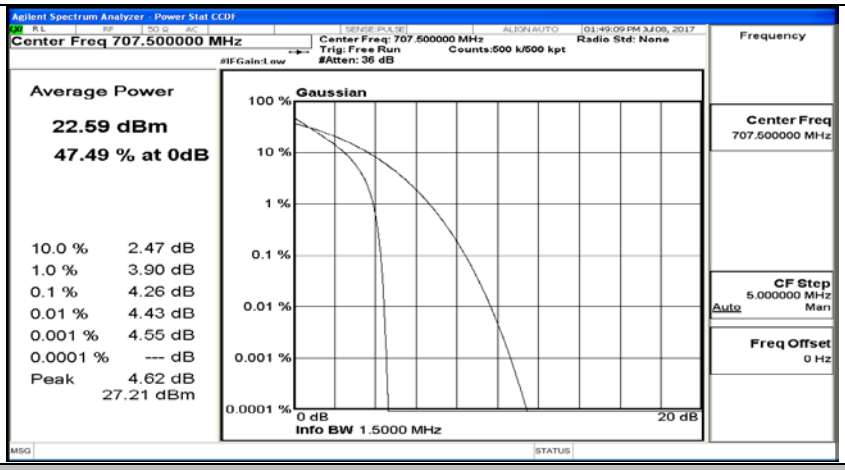
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



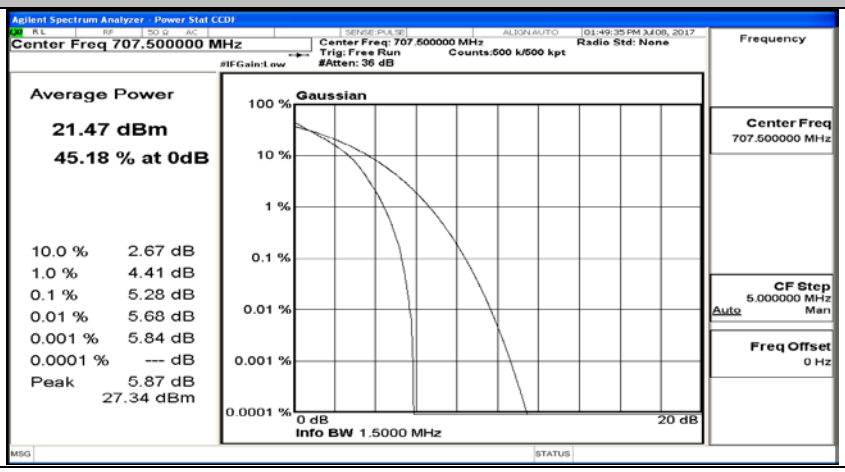
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



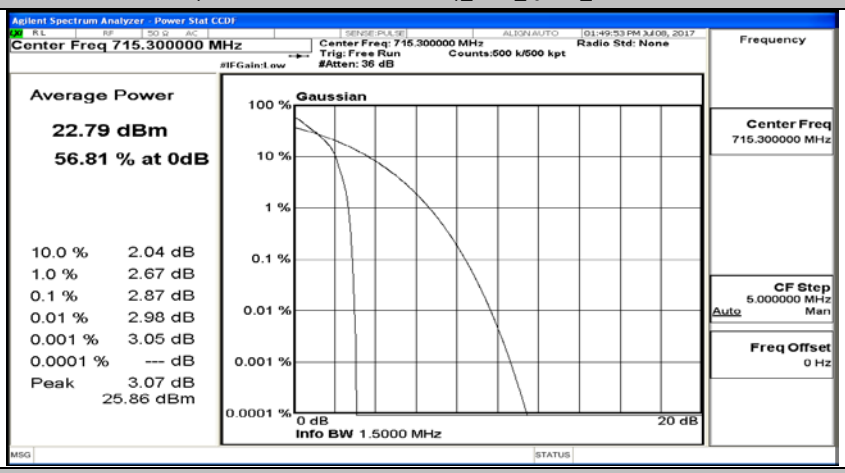
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



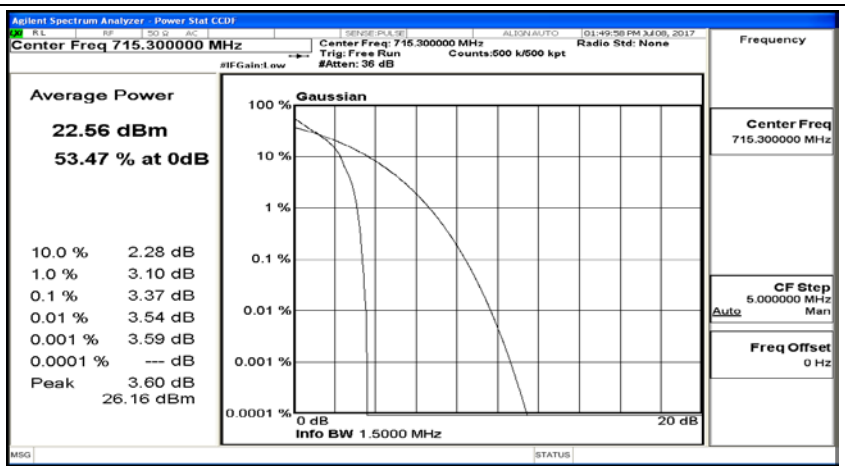
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



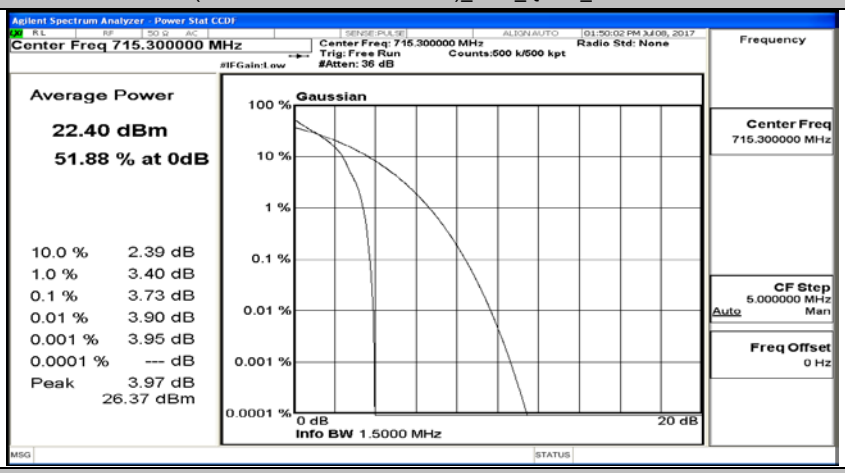
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



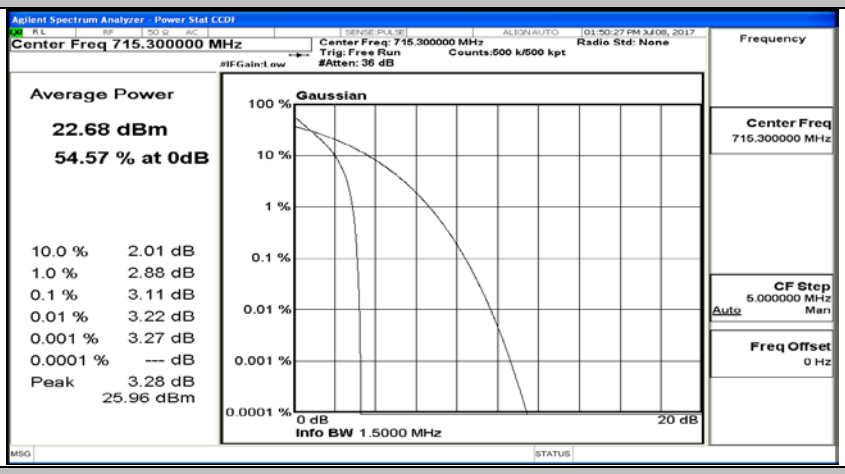
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



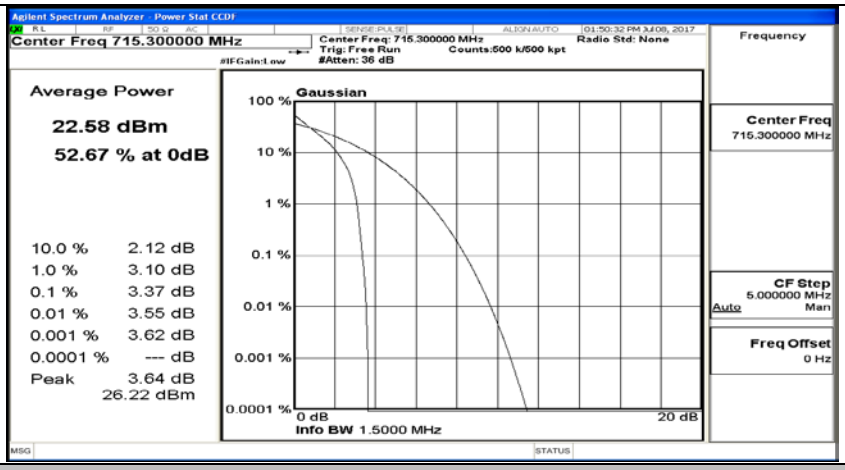
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



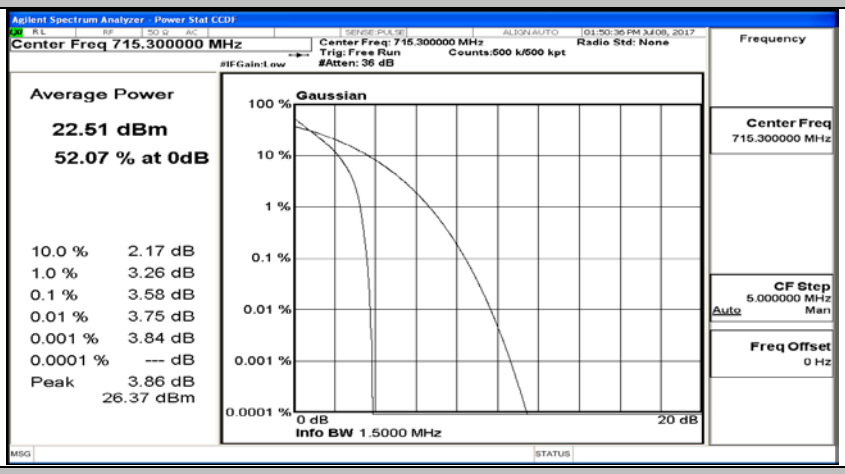
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



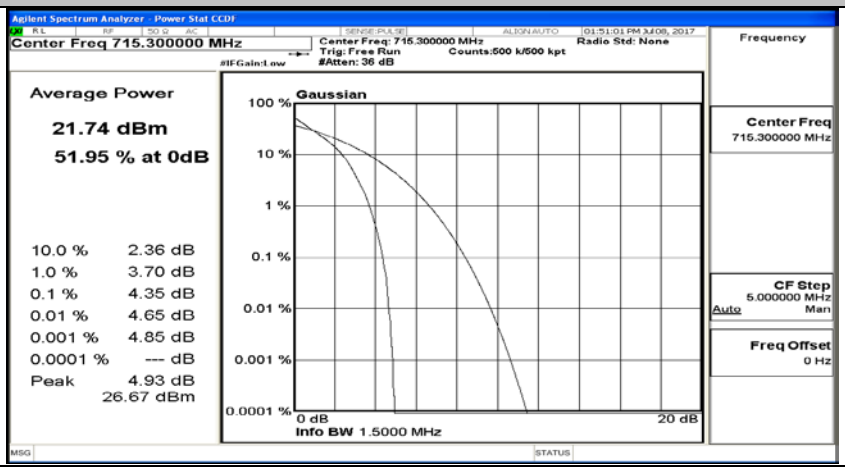
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



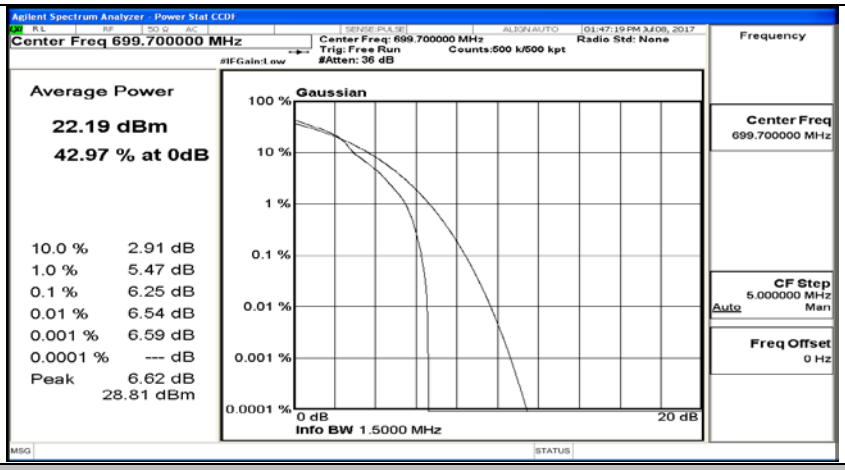
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



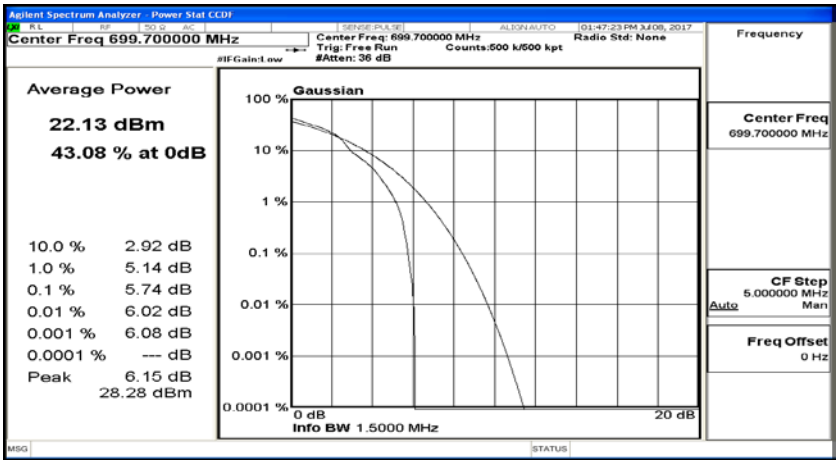
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



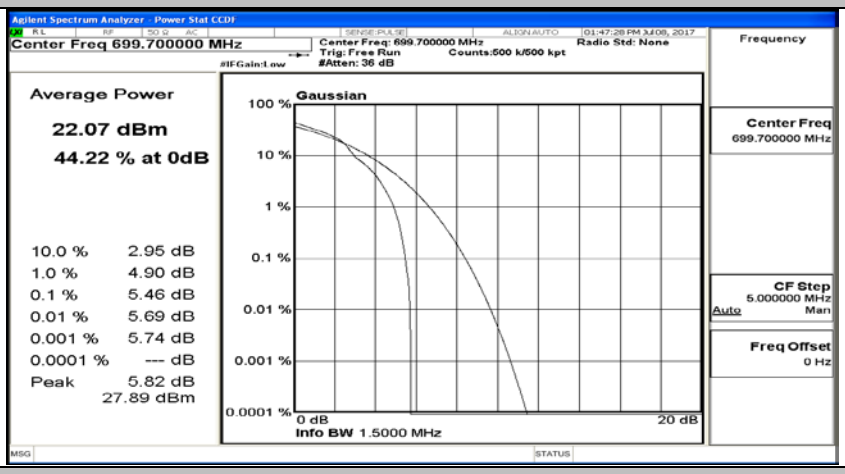
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



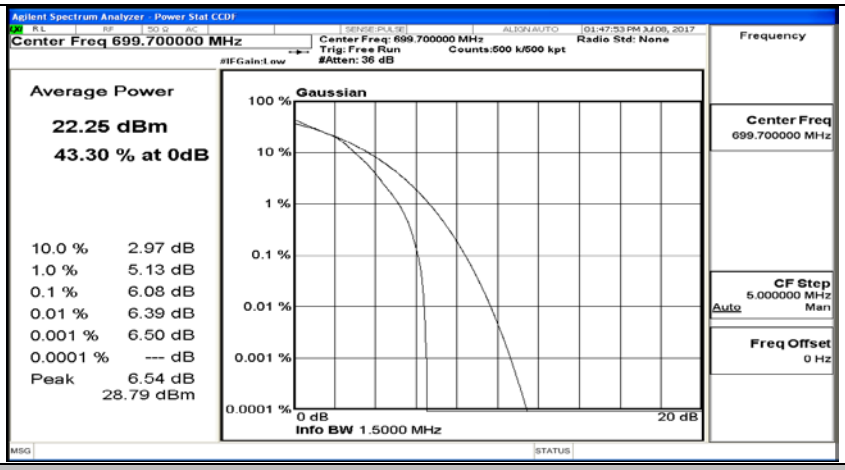
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



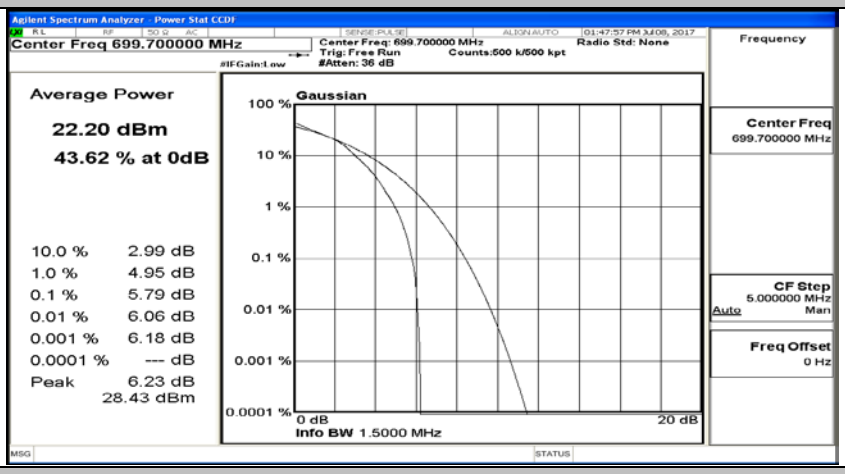
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



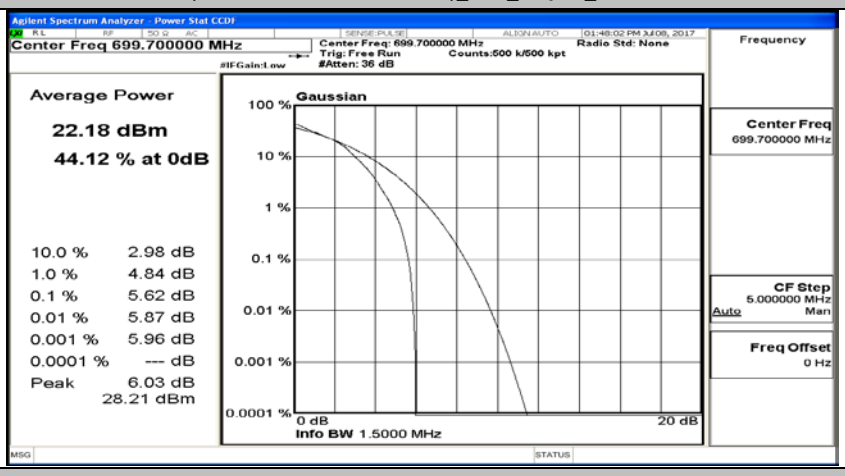
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



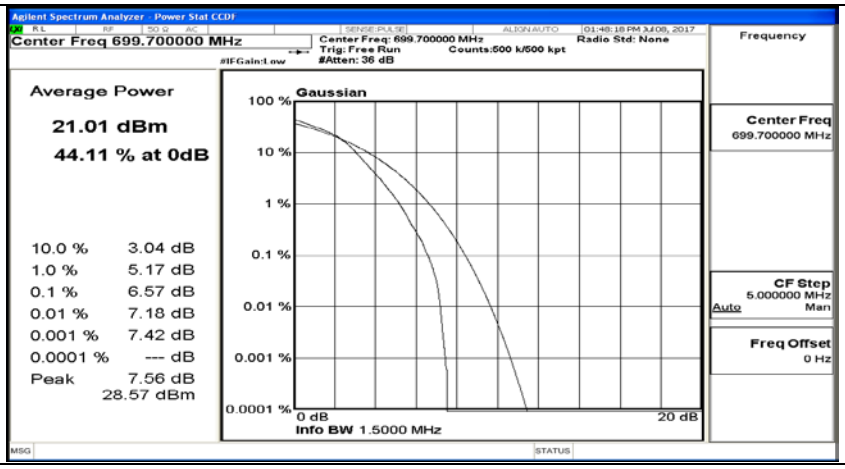
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



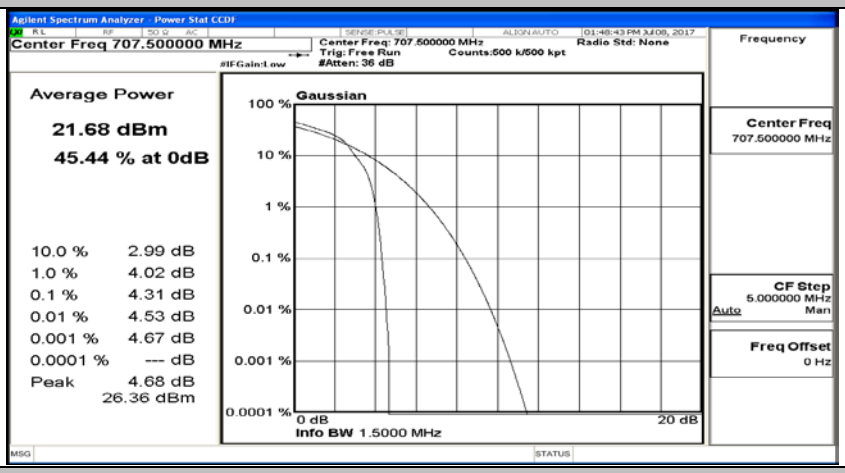
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



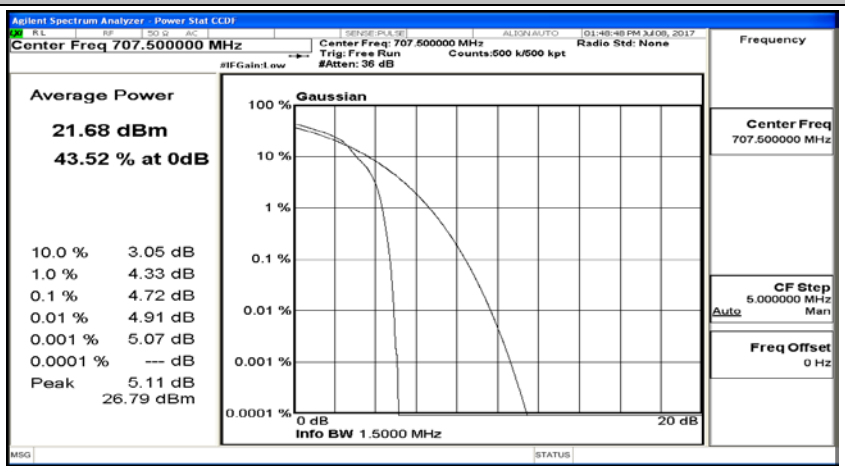
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



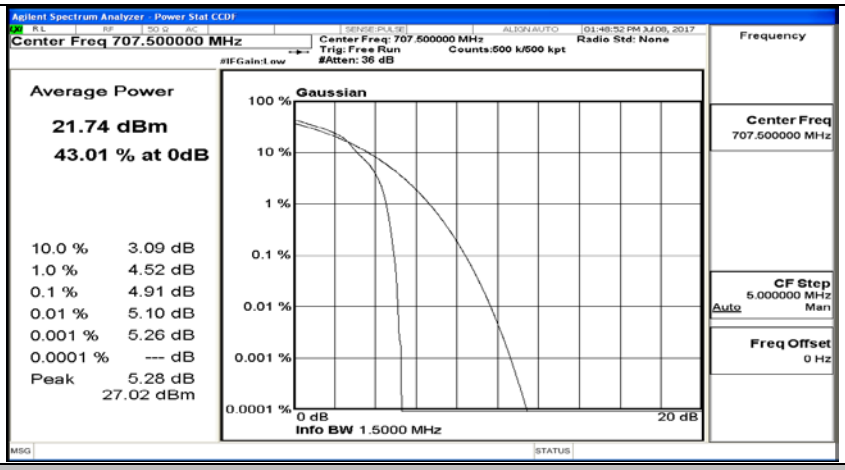
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



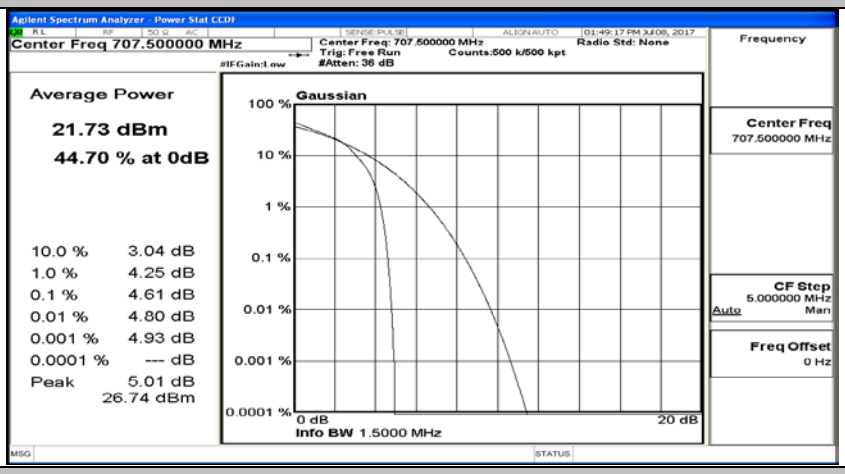
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



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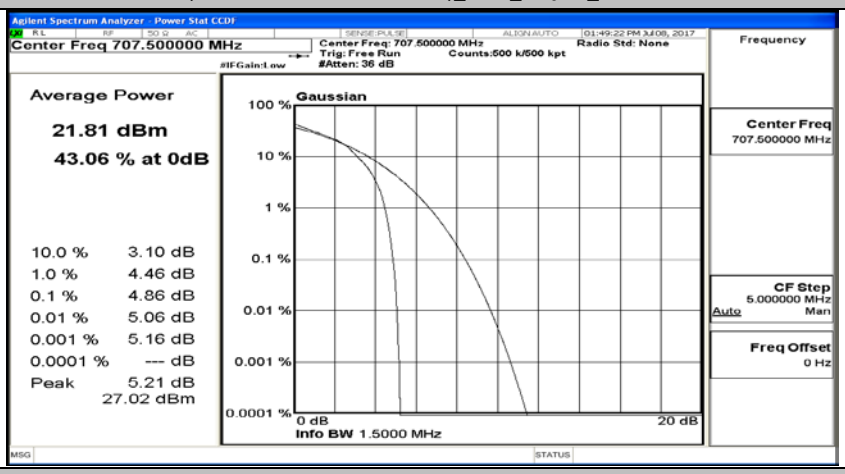

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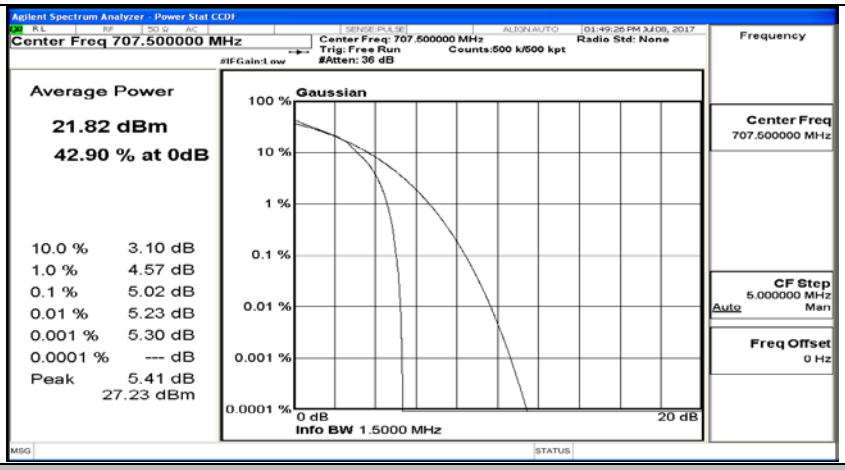
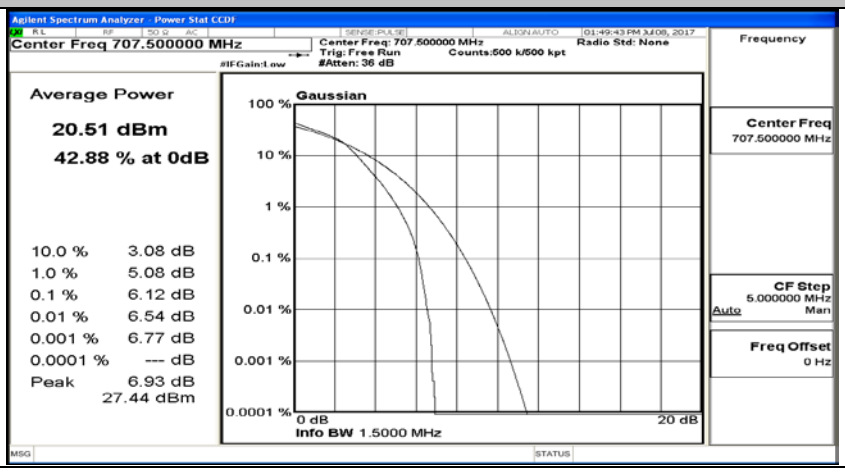
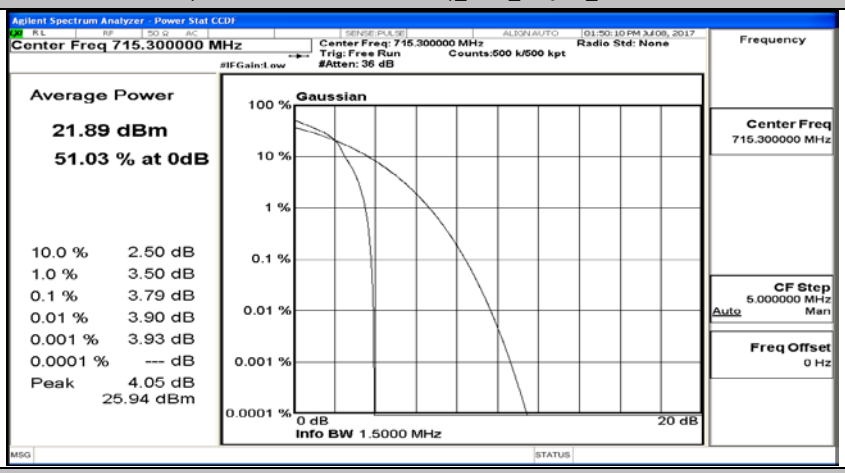


(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



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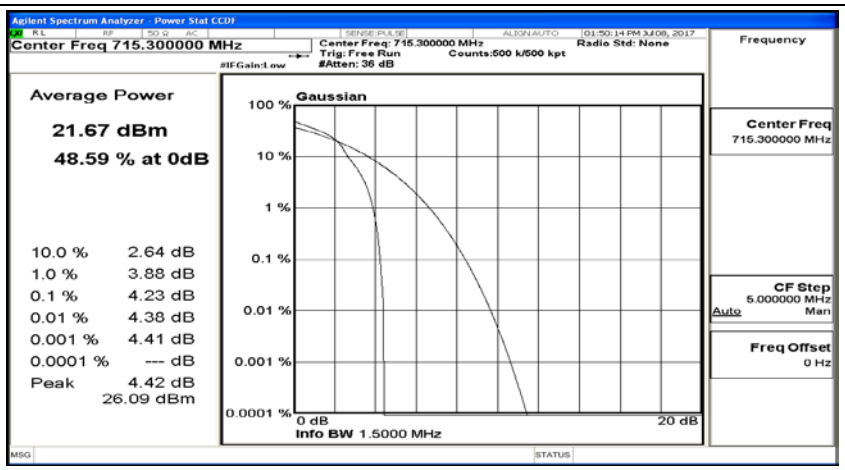
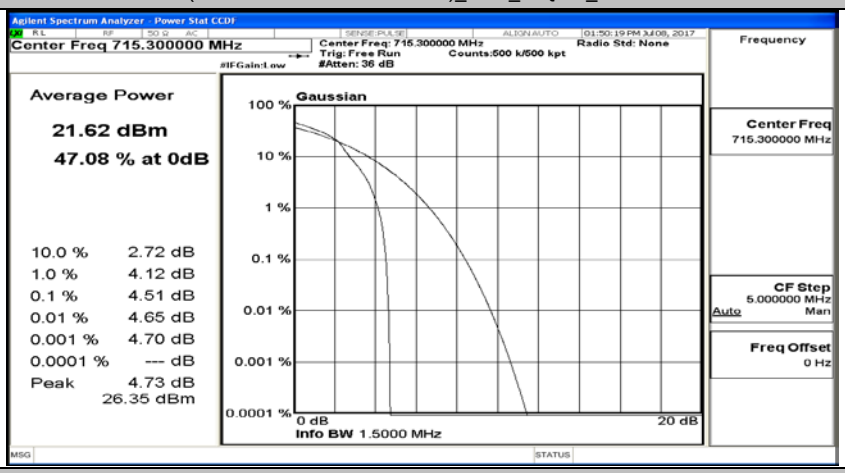
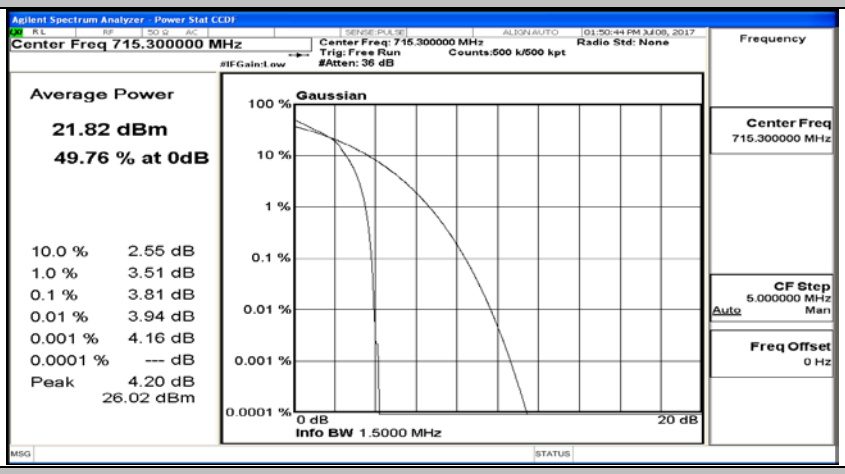


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



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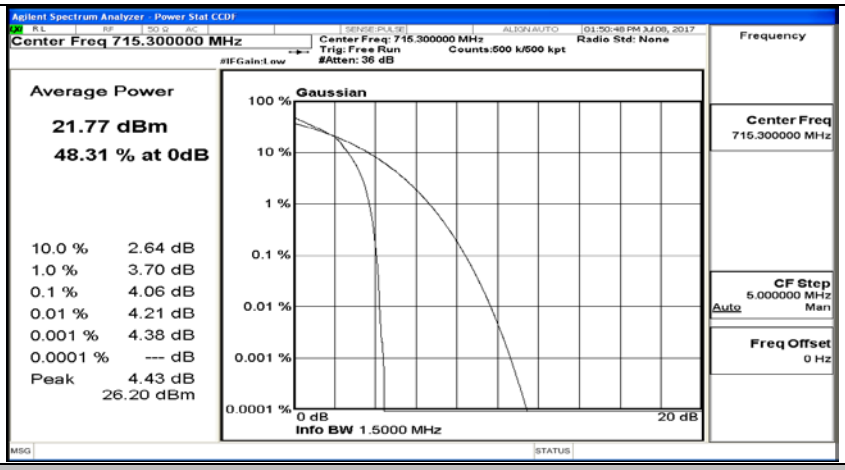
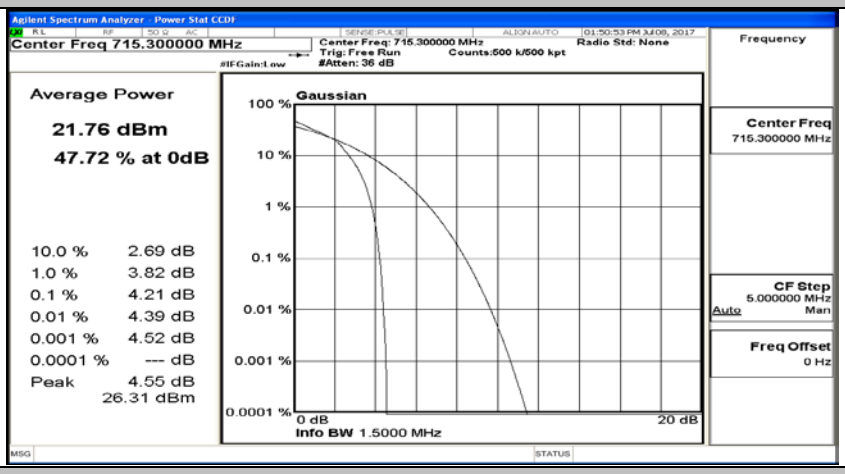
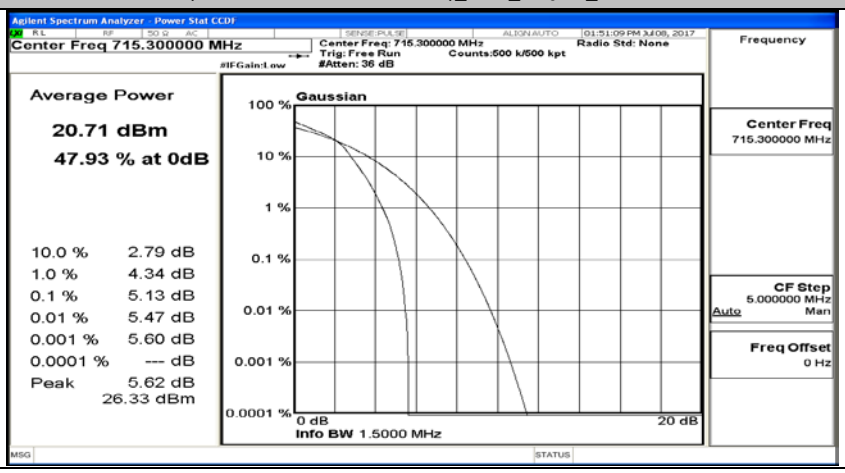


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

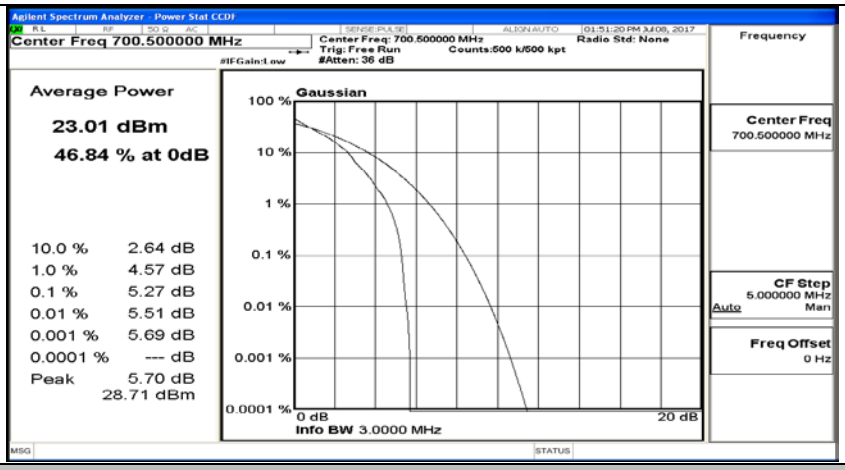


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

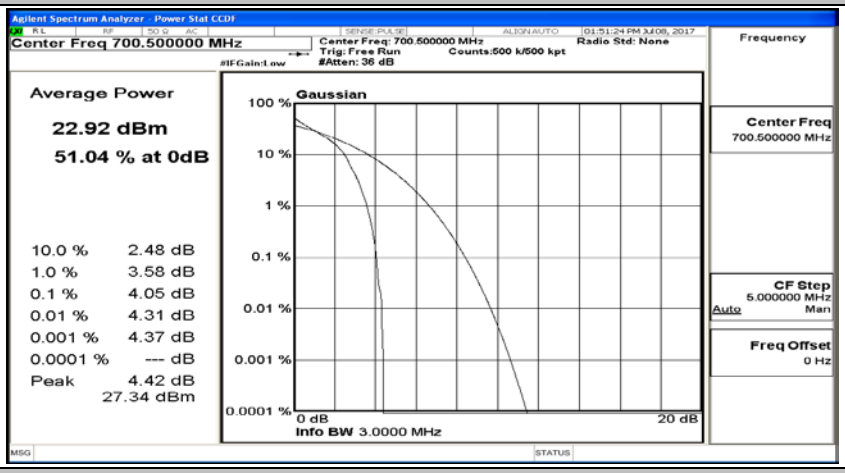


Channel Bandwidth: 3 MHz

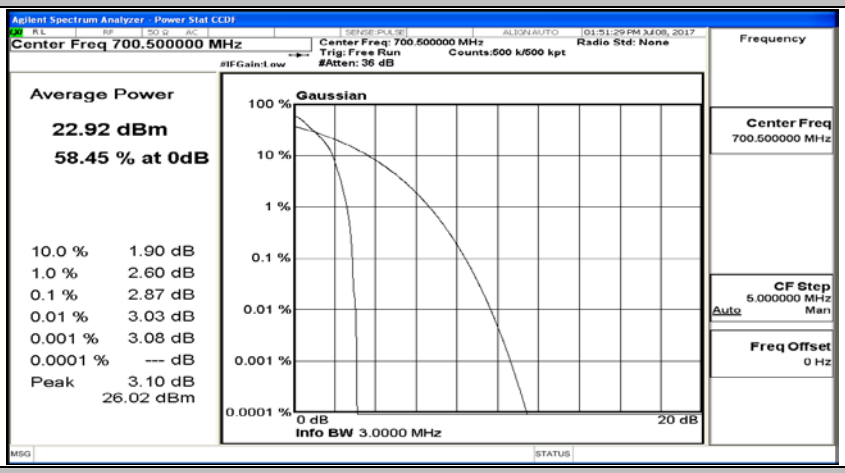
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



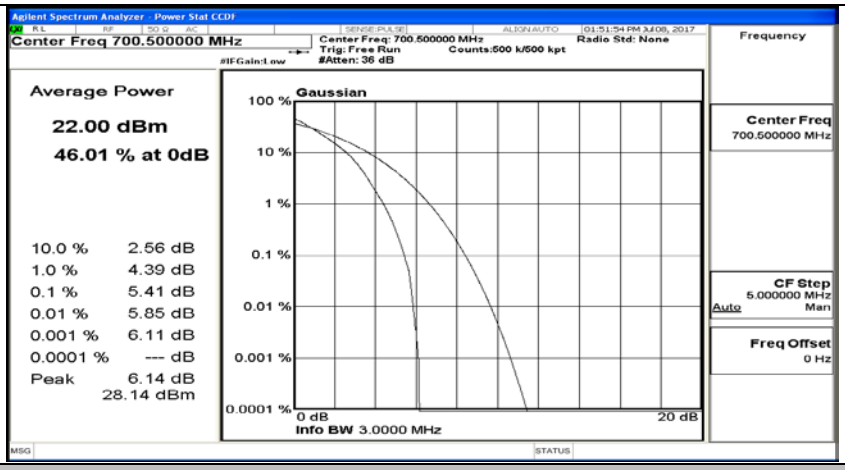
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



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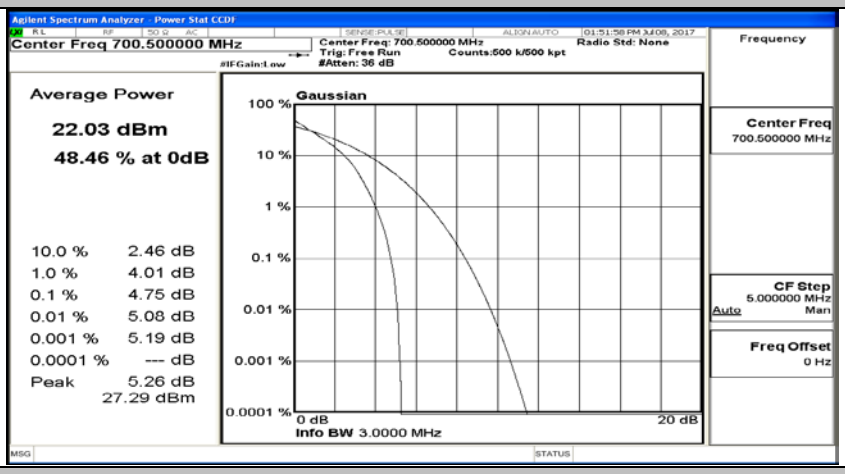
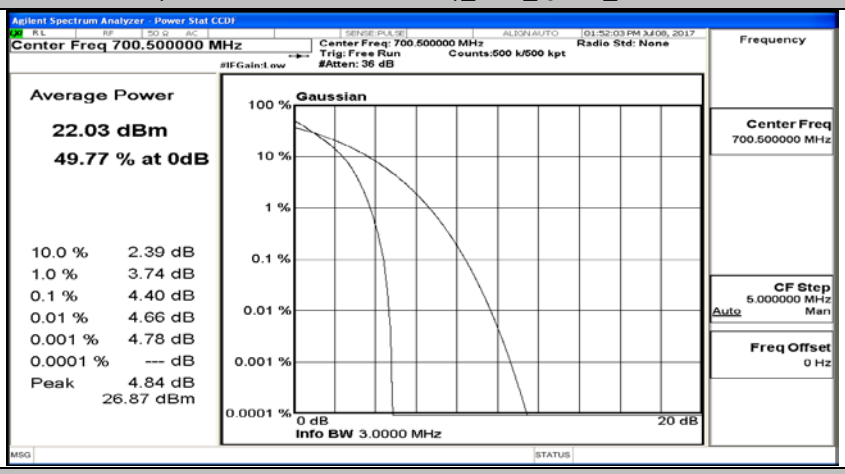
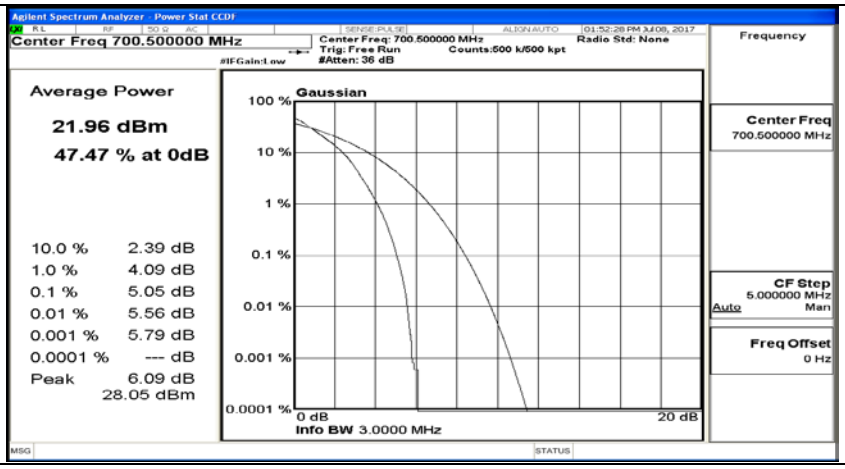


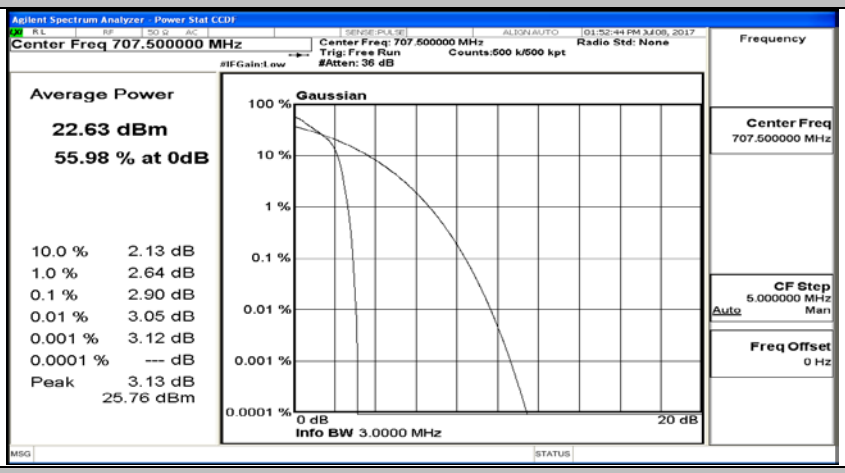
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



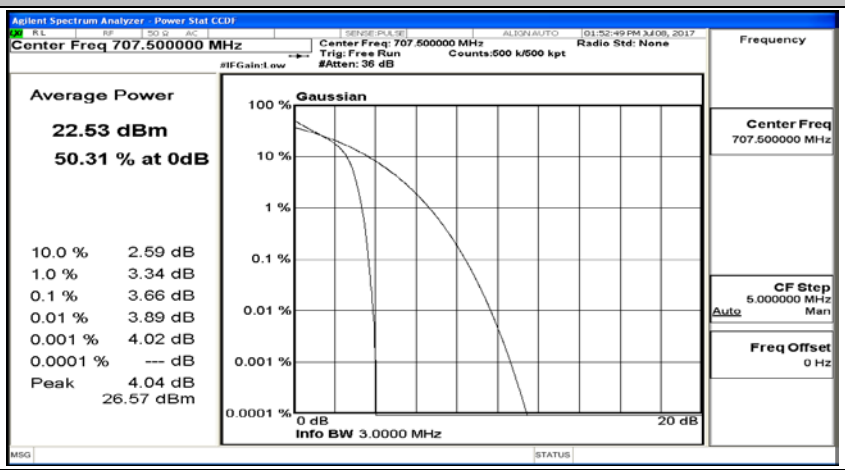
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



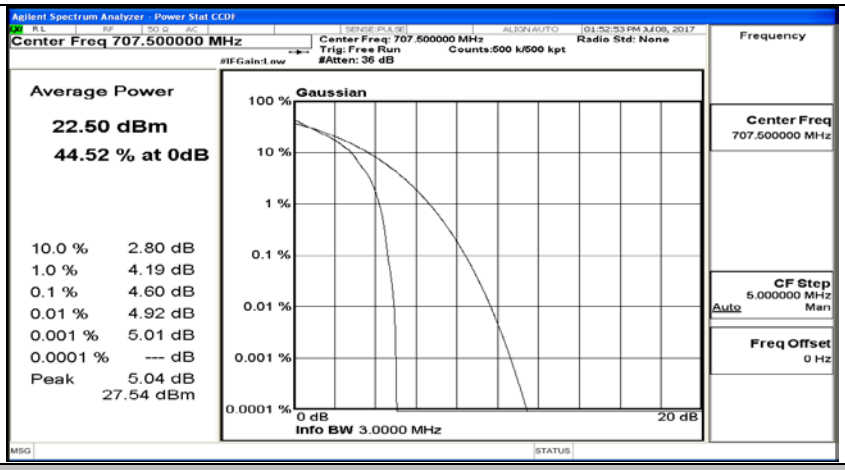
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



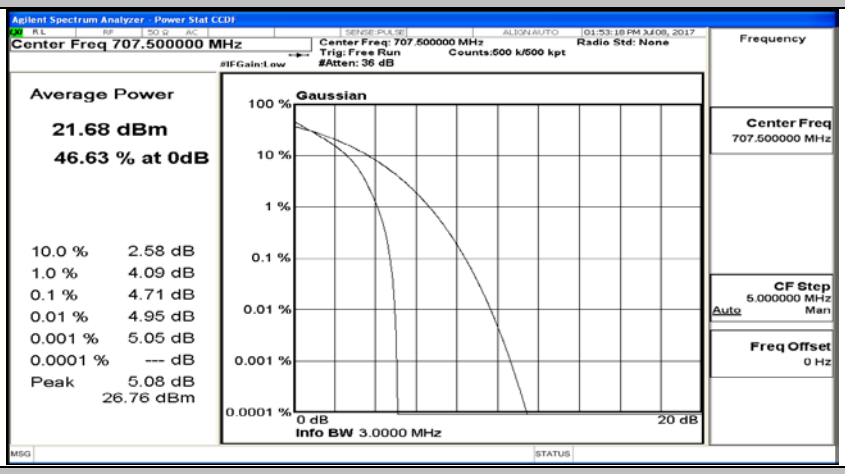
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



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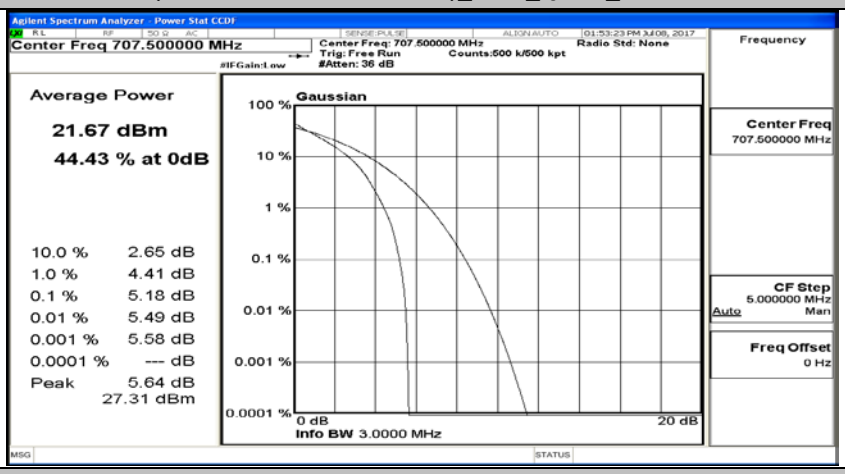
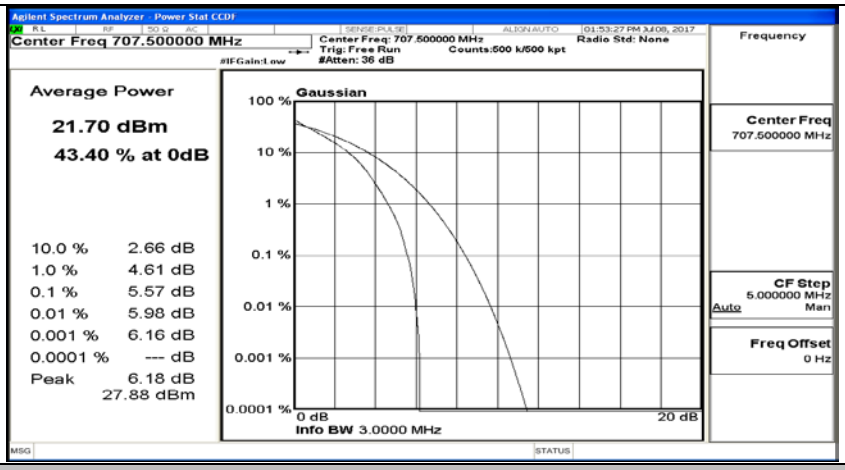


(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



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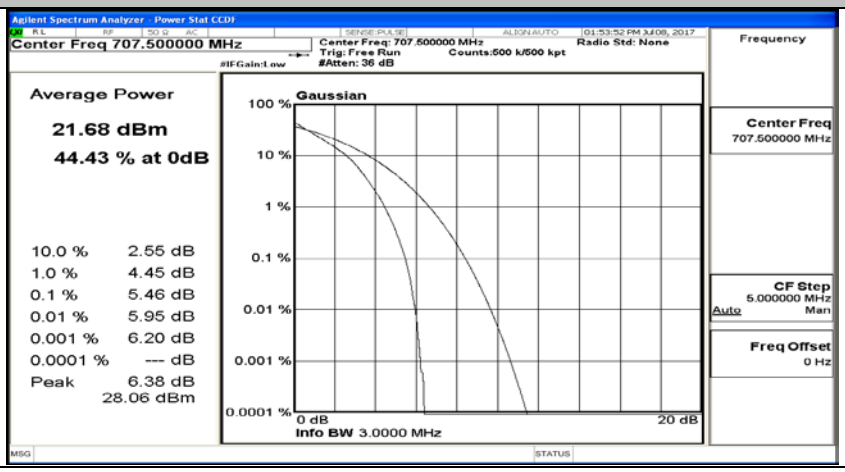

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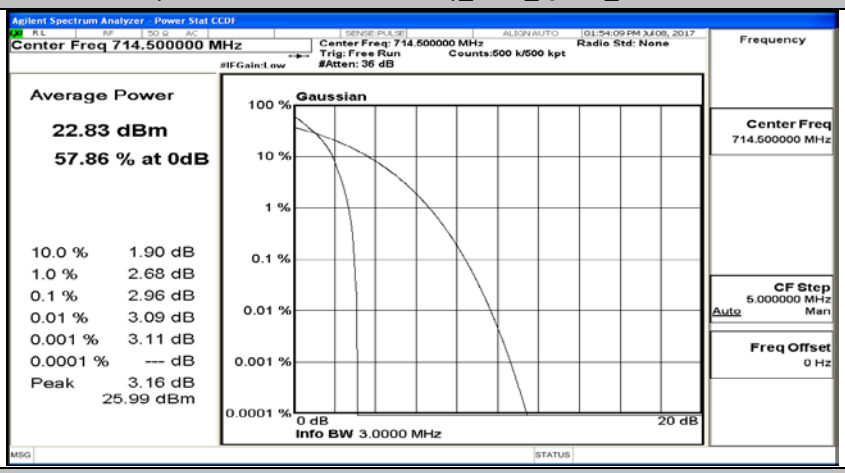

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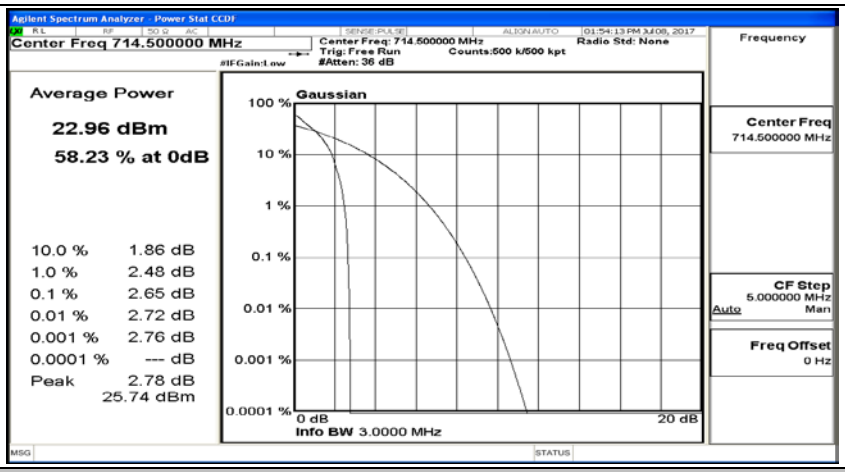
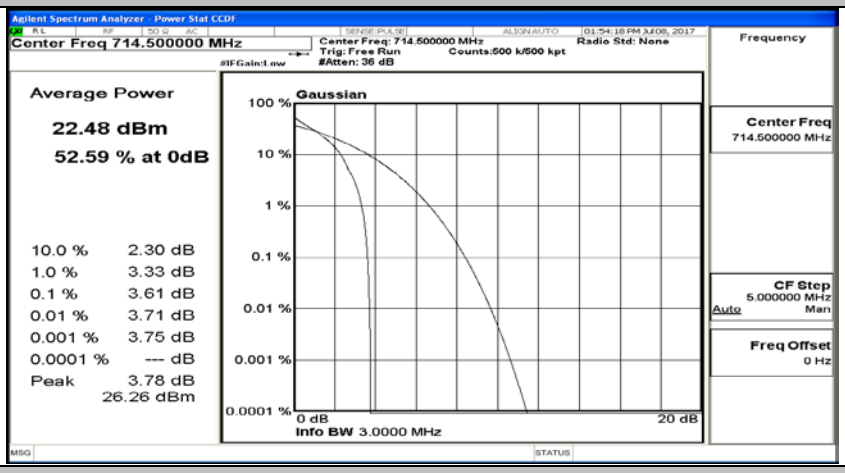


(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



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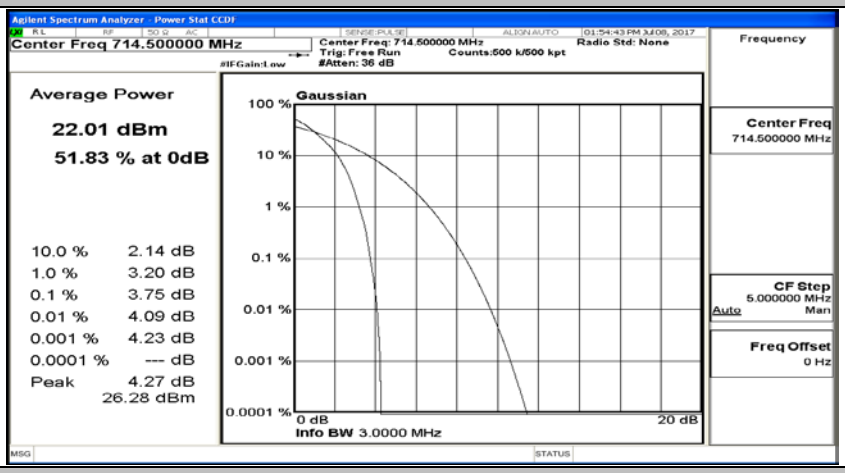

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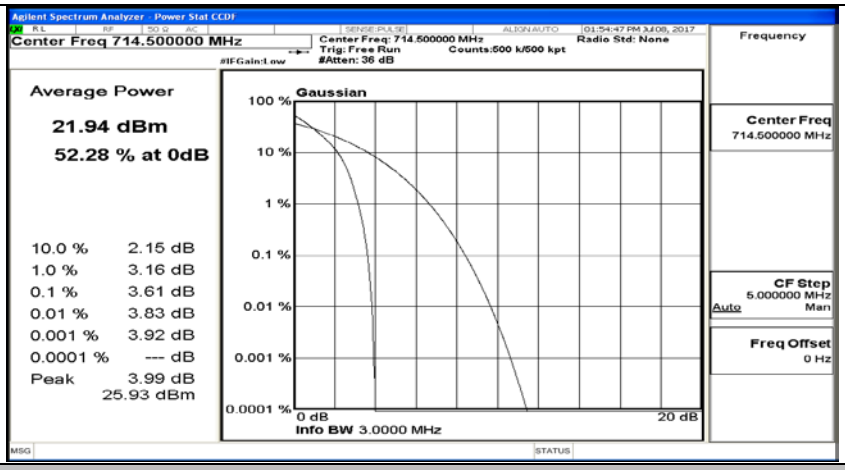
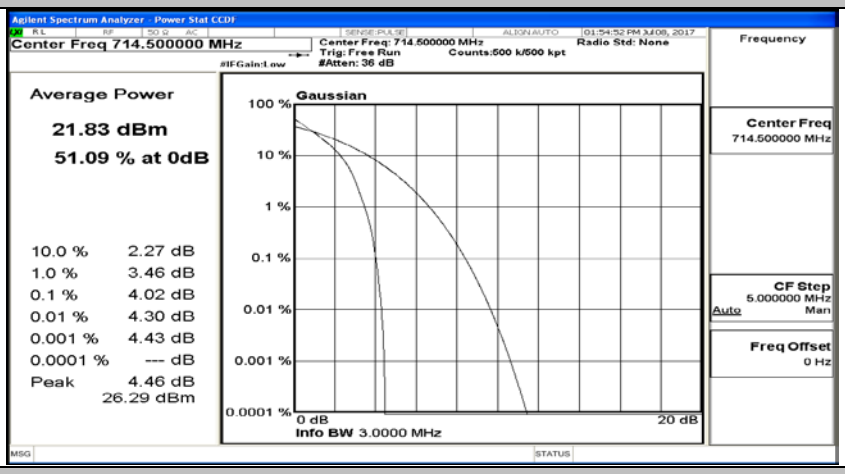


(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



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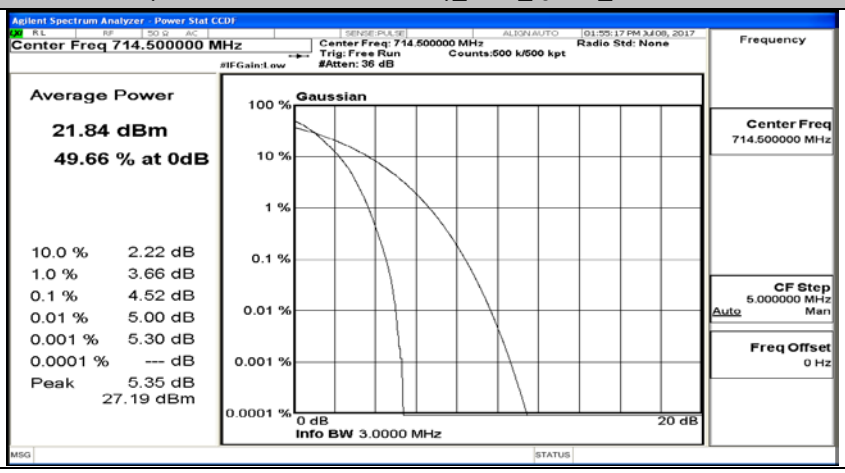

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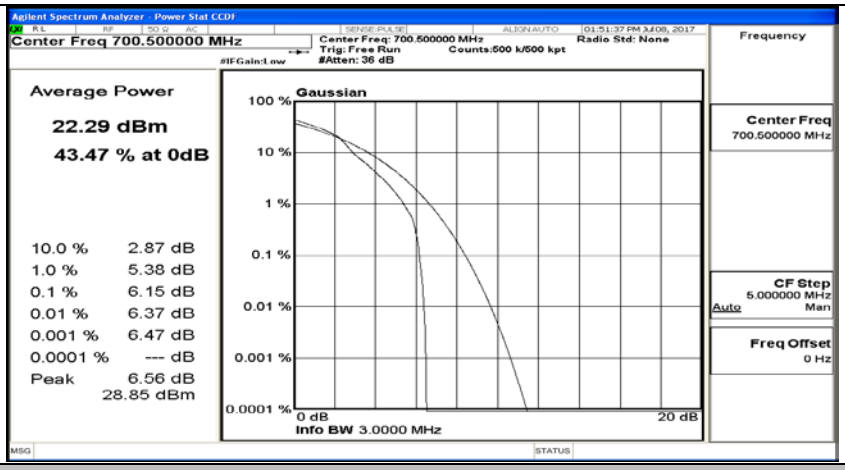

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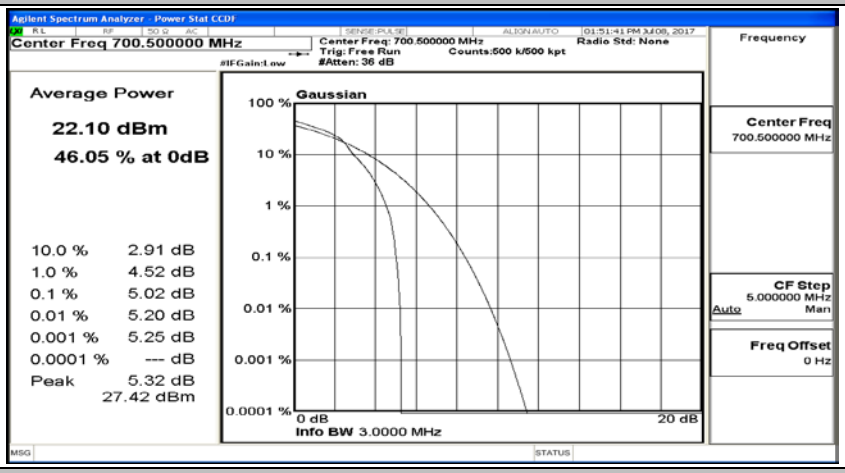
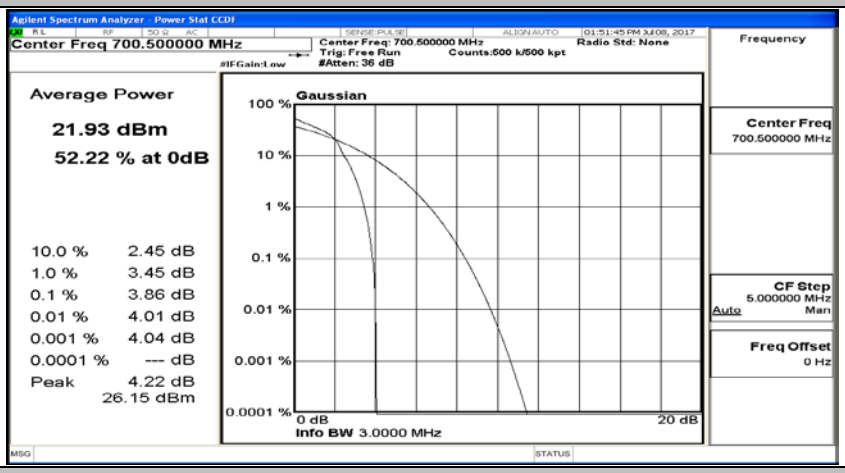


(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



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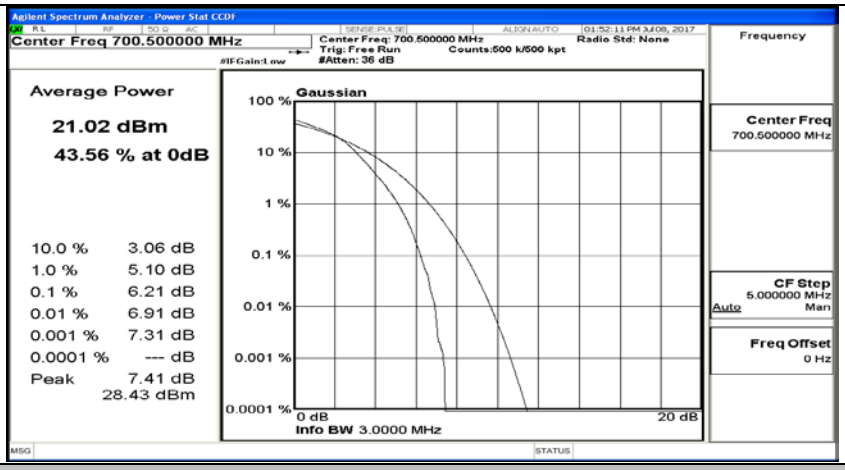

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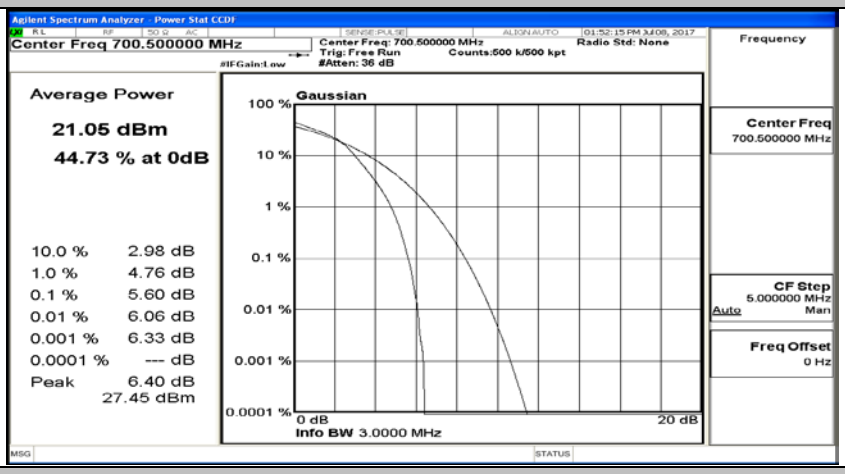
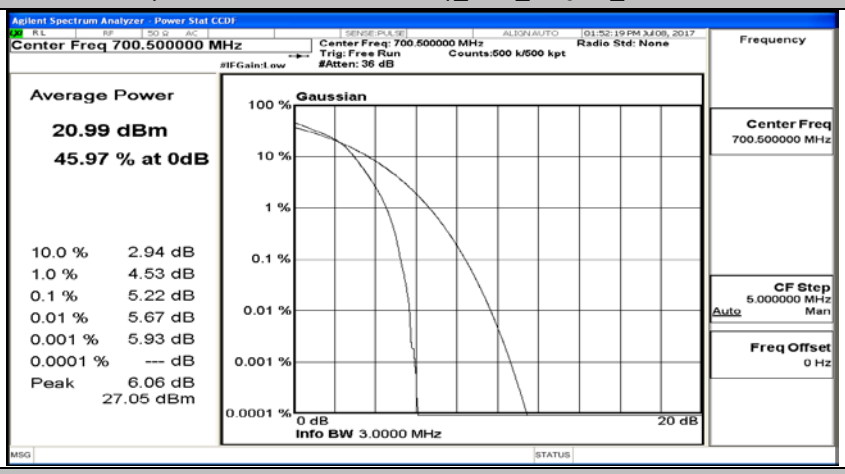


(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



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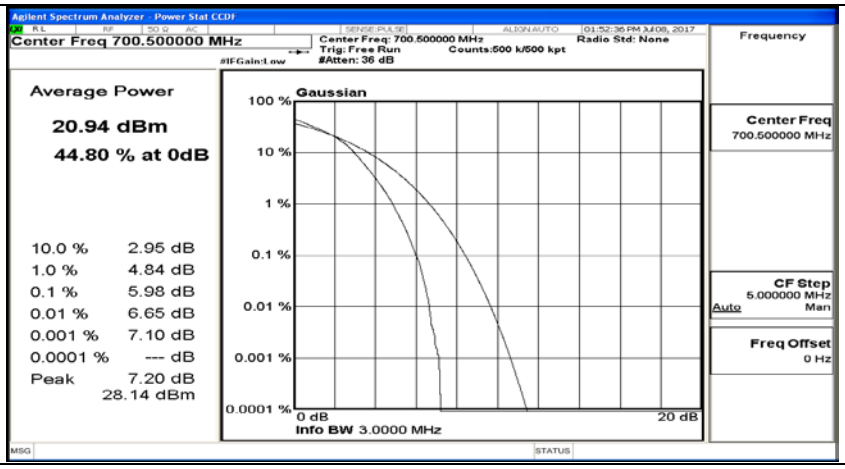

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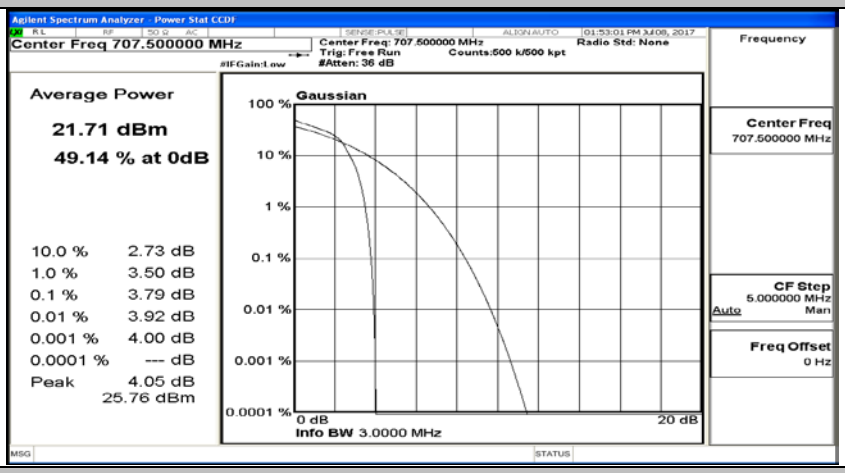

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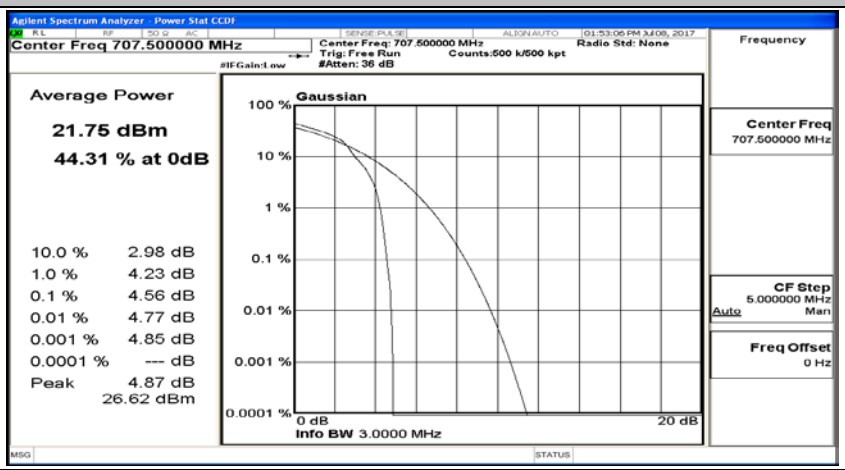
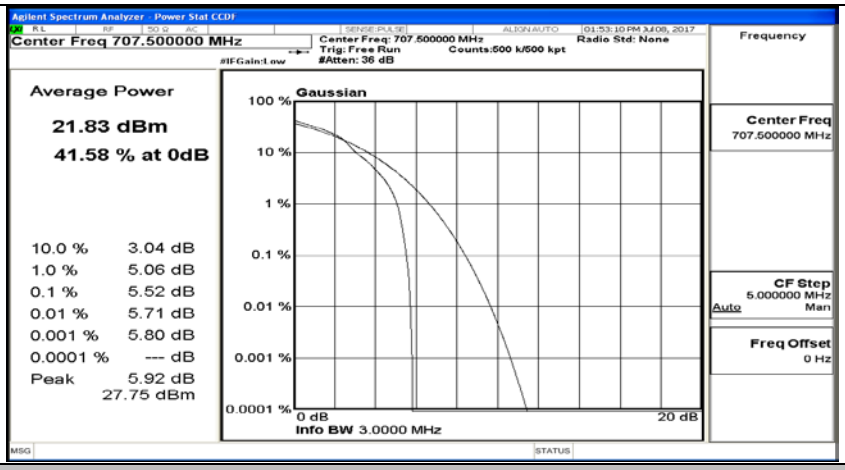
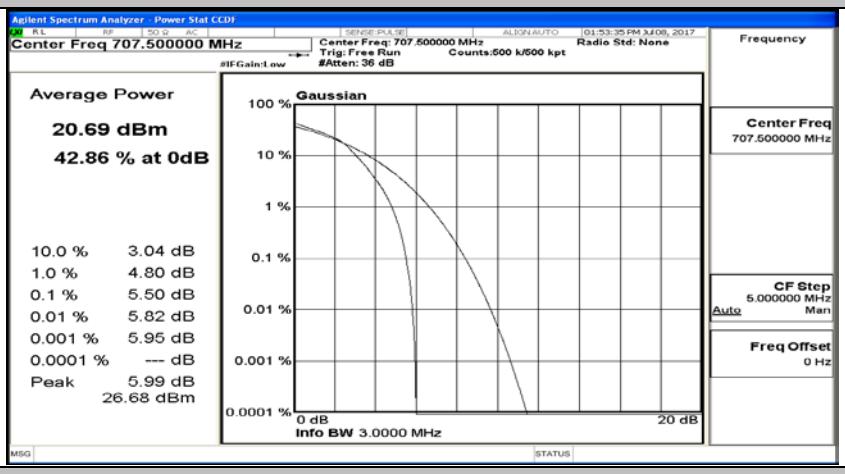


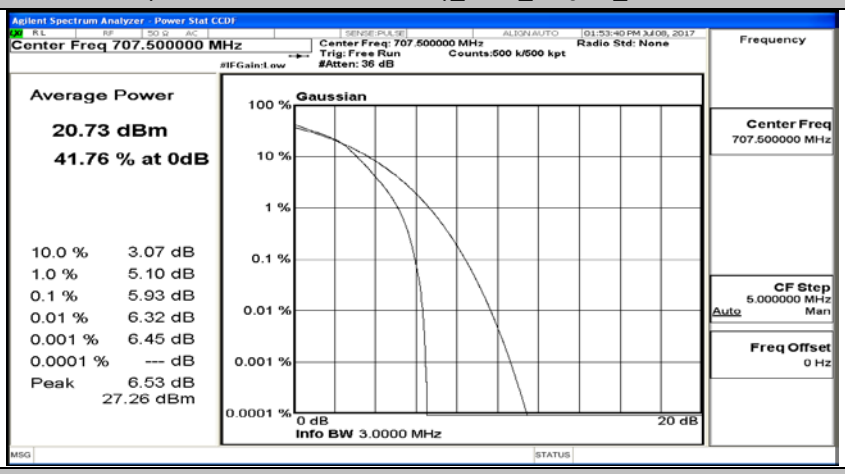
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



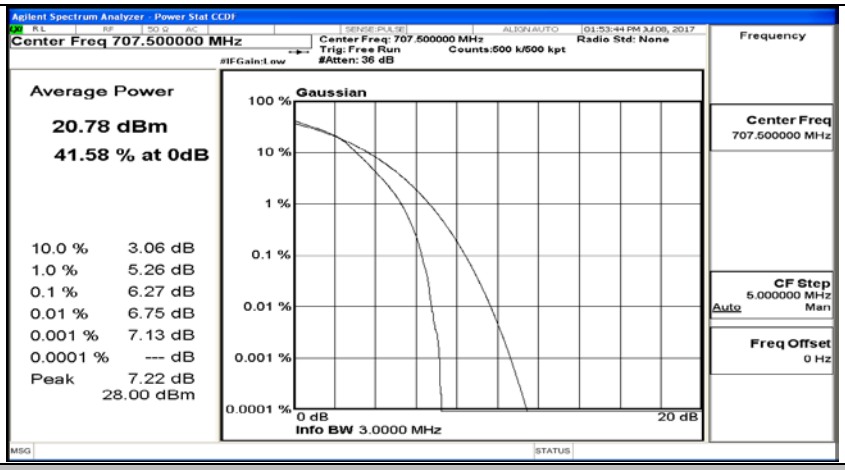
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



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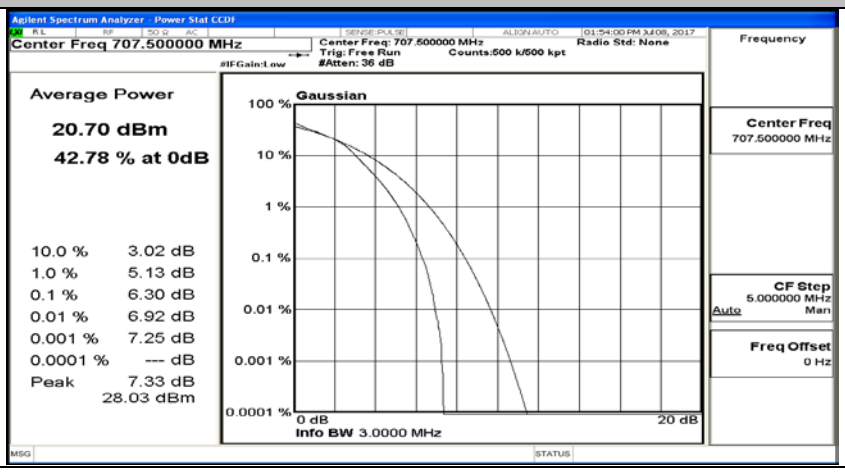
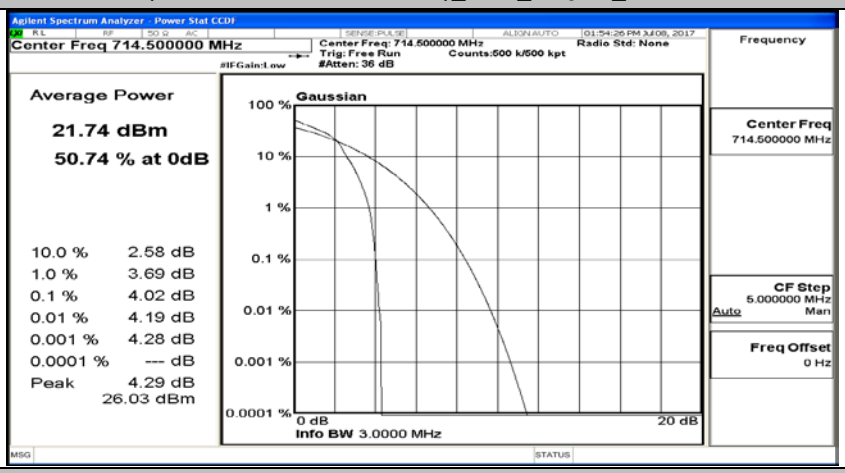
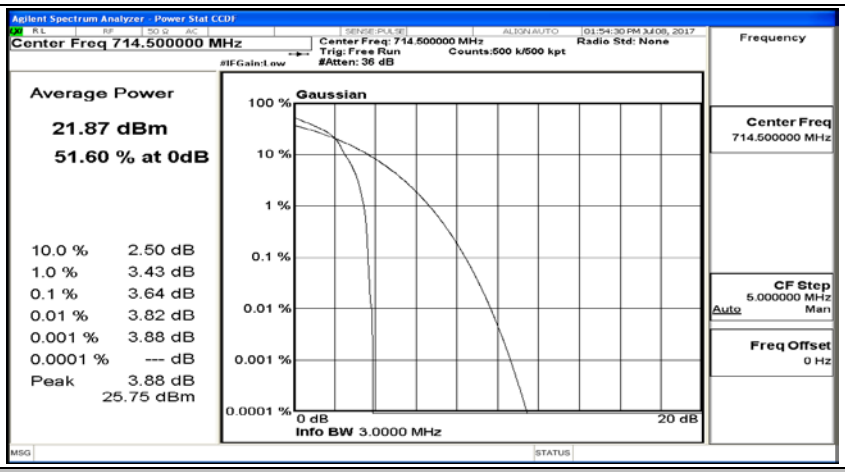


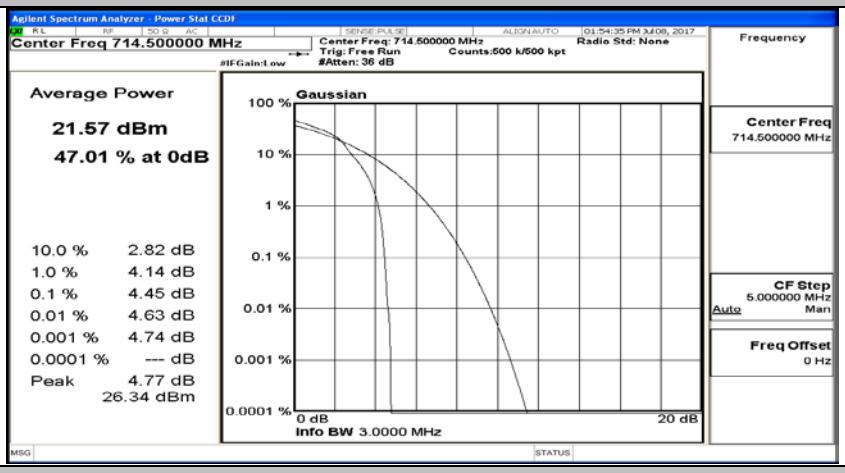
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



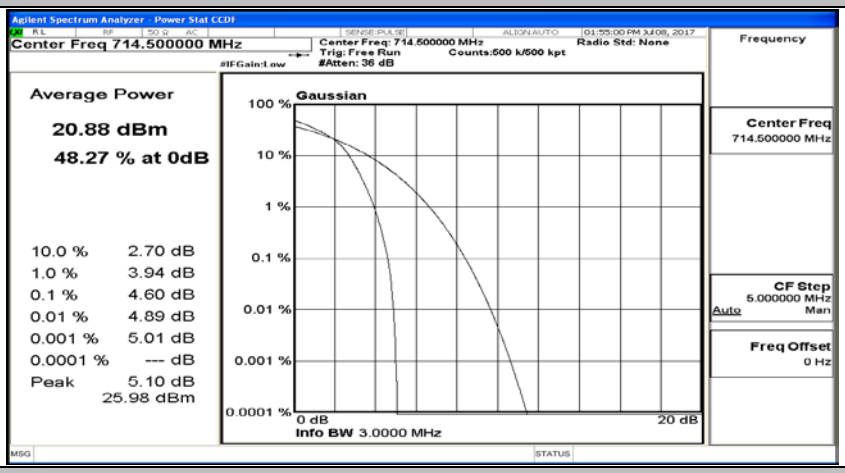
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



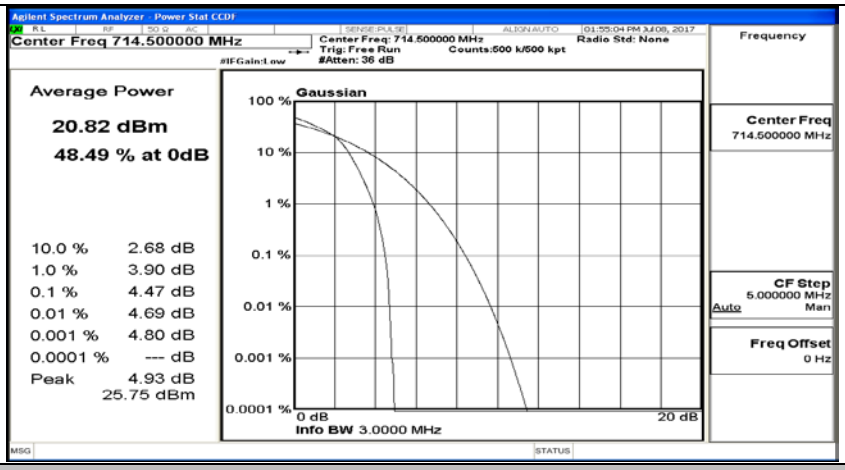
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



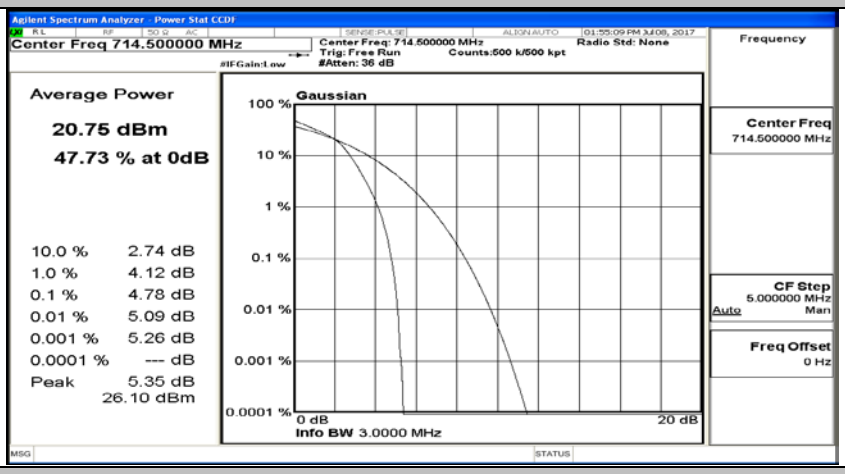
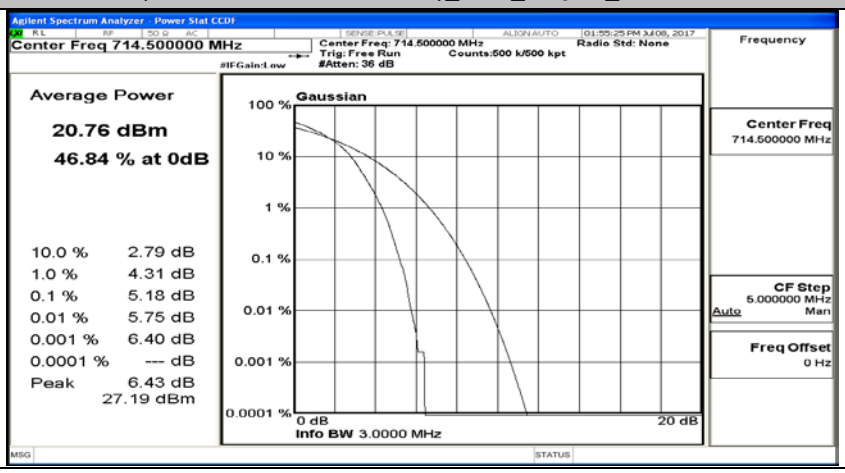
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0