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	3.26	<13	PASS
		1	3	3.51	<13	PASS
		1	5	3.62	<13	PASS
		3	0	3.54	<13	PASS
		3	2	3.63	<13	PASS
		3	3	3.73	<13	PASS
		6	0	4.69	<13	PASS
	MCH	1	0	4.38	<13	PASS
		1	3	4.42	<13	PASS
		1	5	4.49	<13	PASS
		3	0	4.57	<13	PASS
		3	2	4.6	<13	PASS
		3	3	4.61	<13	PASS
		6	0	5.41	<13	PASS
	HCH	1	0	4.4	<13	PASS
		1	3	4.21	<13	PASS
		1	5	4.13	<13	PASS
		3	0	4.5	<13	PASS
		3	2	4.37	<13	PASS
		3	3	4.33	<13	PASS
		6	0	5.24	<13	PASS
16QAM	LCH	1	0	4.13	<13	PASS
		1	3	4.36	<13	PASS
		1	5	4.44	<13	PASS
		3	0	4.34	<13	PASS
		3	2	4.48	<13	PASS
		3	3	4.55	<13	PASS
		6	0	5.43	<13	PASS
	MCH	1	0	5.42	<13	PASS
		1	3	5.43	<13	PASS
		1	5	5.49	<13	PASS
		3	0	5.51	<13	PASS
		3	2	5.59	<13	PASS

		3	3	5.59	<13	PASS
		6	0	6.29	<13	PASS
	HCH	1	0	5.36	<13	PASS
		1	3	5.21	<13	PASS
		1	5	5.16	<13	PASS
		3	0	5.24	<13	PASS
		3	2	5.13	<13	PASS
		3	3	5.1	<13	PASS
		6	0	6.07	<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	3.19	<13	PASS
		1	7	3.73	<13	PASS
		1	14	4.05	<13	PASS
		8	0	4.57	<13	PASS
		8	4	4.73	<13	PASS
		8	7	4.9	<13	PASS
		15	0	5.06	<13	PASS
	MCH	1	0	4.39	<13	PASS
		1	7	4.53	<13	PASS
		1	14	4.68	<13	PASS
		8	0	5.3	<13	PASS
		8	4	5.37	<13	PASS
		8	7	5.39	<13	PASS
		15	0	5.51	<13	PASS
	HCH	1	0	4.68	<13	PASS
		1	7	4.42	<13	PASS
		1	14	4.1	<13	PASS
		8	0	5.43	<13	PASS
		8	4	5.3	<13	PASS
		8	7	5.23	<13	PASS
		15	0	5.54	<13	PASS
16QAM	LCH	1	0	4.08	<13	PASS
		1	7	4.54	<13	PASS
		1	14	4.84	<13	PASS
		8	0	5.22	<13	PASS
		8	4	5.36	<13	PASS
		8	7	5.56	<13	PASS

		15	0	5.84	<13	PASS
	MCH	1	0	5.32	<13	PASS
		1	7	5.49	<13	PASS
		1	14	5.6	<13	PASS
		8	0	5.99	<13	PASS
		8	4	6.05	<13	PASS
		8	7	6.08	<13	PASS
		15	0	6.36	<13	PASS
	HCH	1	0	5.51	<13	PASS
		1	7	5.26	<13	PASS
		1	14	5.11	<13	PASS
		8	0	6.05	<13	PASS
		8	4	6	<13	PASS
		8	7	5.93	<13	PASS
		15	0	6.25	<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	3.13	<13	PASS
		1	12	4.16	<13	PASS
		1	24	4.09	<13	PASS
		12	0	4.81	<13	PASS
		12	6	5.07	<13	PASS
		12	13	5.25	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	4.06	<13	PASS
		1	12	4.41	<13	PASS
		1	24	4.54	<13	PASS
		12	0	5.24	<13	PASS
		12	6	5.29	<13	PASS
		12	13	5.39	<13	PASS
		25	0	5.51	<13	PASS
	HCH	1	0	4.8	<13	PASS
		1	12	4.61	<13	PASS
		1	24	4.14	<13	PASS
		12	0	5.5	<13	PASS
		12	6	5.31	<13	PASS
		12	13	5.28	<13	PASS
		25	0	5.53	<13	PASS

16QAM	LCH	1	0	4.04	<13	PASS
		1	12	4.99	<13	PASS
		1	24	4.98	<13	PASS
		12	0	5.57	<13	PASS
		12	6	5.83	<13	PASS
		12	13	5.98	<13	PASS
		25	0	6.05	<13	PASS
	MCH	1	0	4.97	<13	PASS
		1	12	5.36	<13	PASS
		1	24	5.47	<13	PASS
		12	0	6.01	<13	PASS
		12	6	6.09	<13	PASS
		12	13	6.17	<13	PASS
		25	0	6.29	<13	PASS
	HCH	1	0	5.43	<13	PASS
		1	12	5.25	<13	PASS
		1	24	4.92	<13	PASS
		12	0	6.41	<13	PASS
		12	6	6.28	<13	PASS
		12	13	6.14	<13	PASS
		25	0	6.34	<13	PASS

Channel Bandwidth: 10 MHz

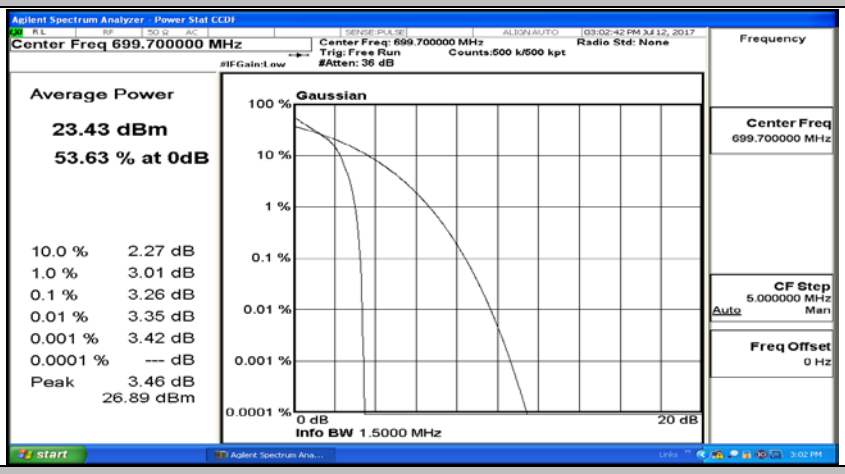
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.36	<13	PASS
		1	24	4.46	<13	PASS
		1	49	4.68	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.3	<13	PASS
		25	25	5.35	<13	PASS
		50	0	5.44	<13	PASS
	MCH	1	0	4.14	<13	PASS
		1	24	4.54	<13	PASS
		1	49	4.82	<13	PASS
		25	0	5.17	<13	PASS
		25	12	5.36	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.46	<13	PASS
	HCH	1	0	4.26	<13	PASS

		1	24	4.58	<13	PASS
		1	49	4.32	<13	PASS
		25	0	5.41	<13	PASS
		25	12	5.53	<13	PASS
		25	25	5.47	<13	PASS
		50	0	5.6	<13	PASS
16QAM	LCH	1	0	4.29	<13	PASS
		1	24	5.35	<13	PASS
		1	49	5.49	<13	PASS
		25	0	5.92	<13	PASS
		25	12	6.1	<13	PASS
		25	25	6.14	<13	PASS
		50	0	6.11	<13	PASS
	MCH	1	0	4.91	<13	PASS
		1	24	5.47	<13	PASS
		1	49	5.63	<13	PASS
		25	0	5.97	<13	PASS
		25	12	6.15	<13	PASS
		25	25	6.25	<13	PASS
		50	0	6.16	<13	PASS
	HCH	1	0	5.21	<13	PASS
		1	24	5.47	<13	PASS
		1	49	5.16	<13	PASS
		25	0	6.23	<13	PASS
		25	12	6.33	<13	PASS
		25	25	6.27	<13	PASS
		50	0	6.32	<13	PASS

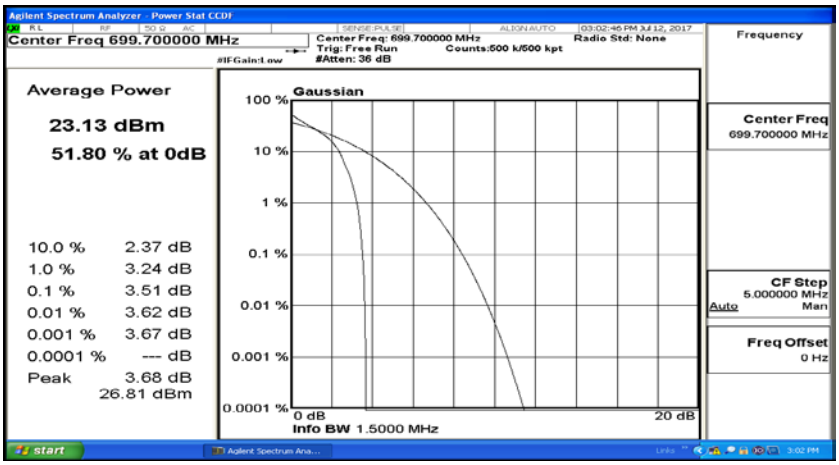
Test Graphs

Channel Bandwidth: 1.4 MHz

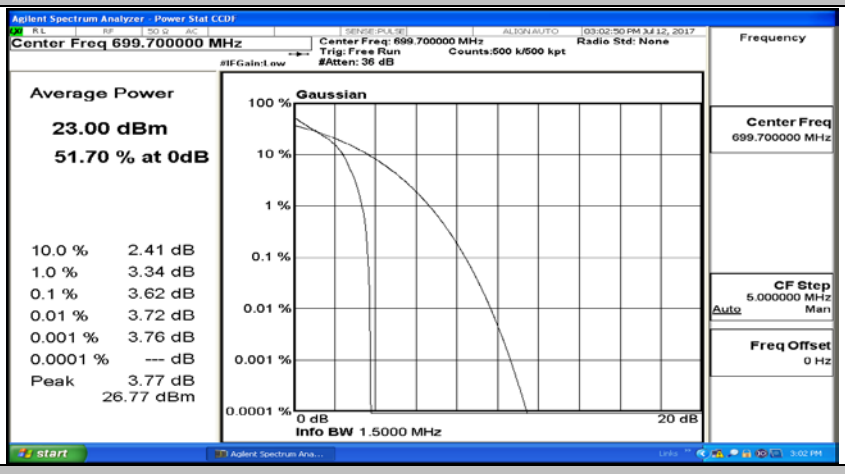
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0



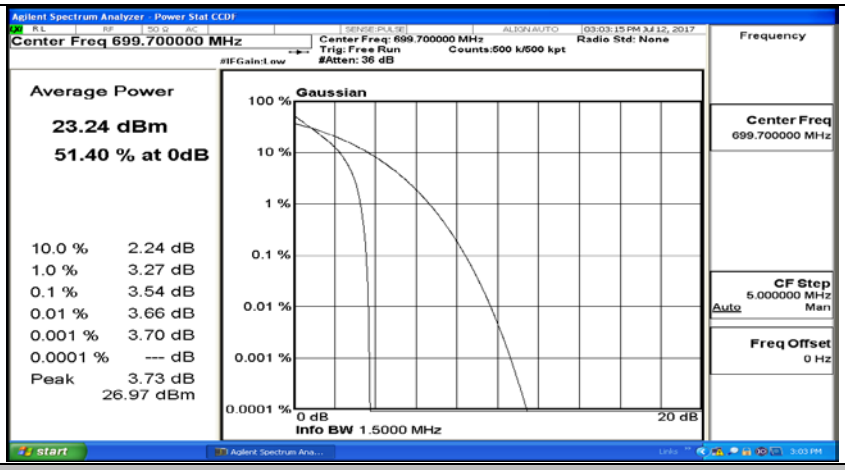
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3



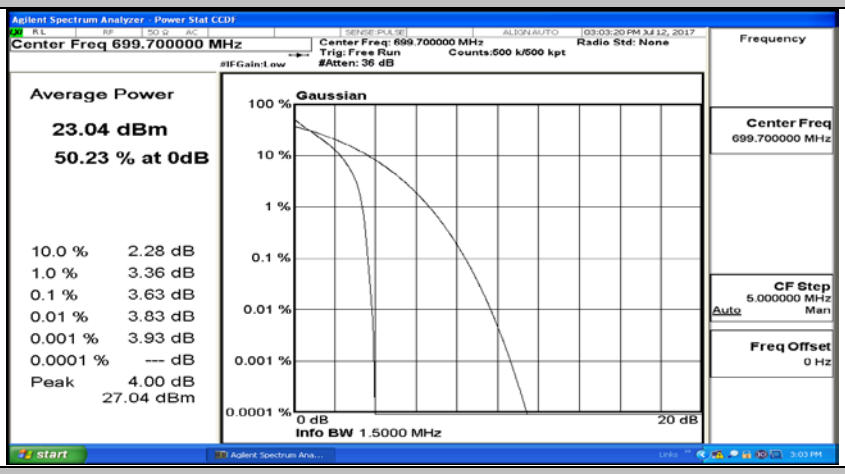
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5



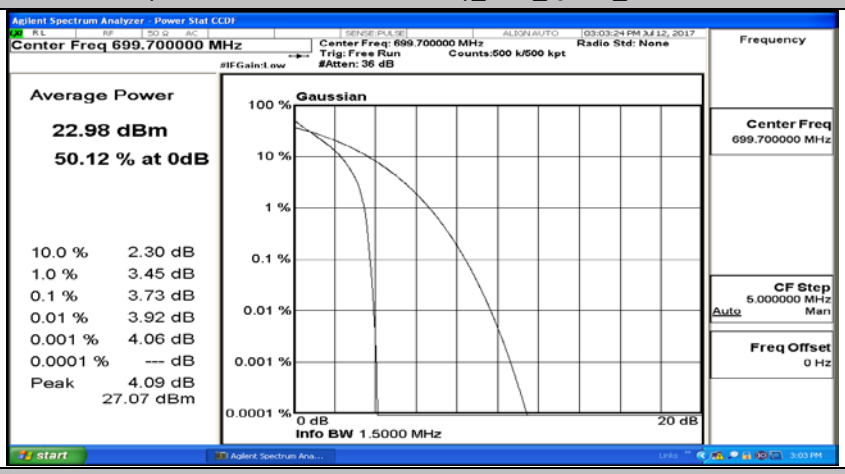
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#0



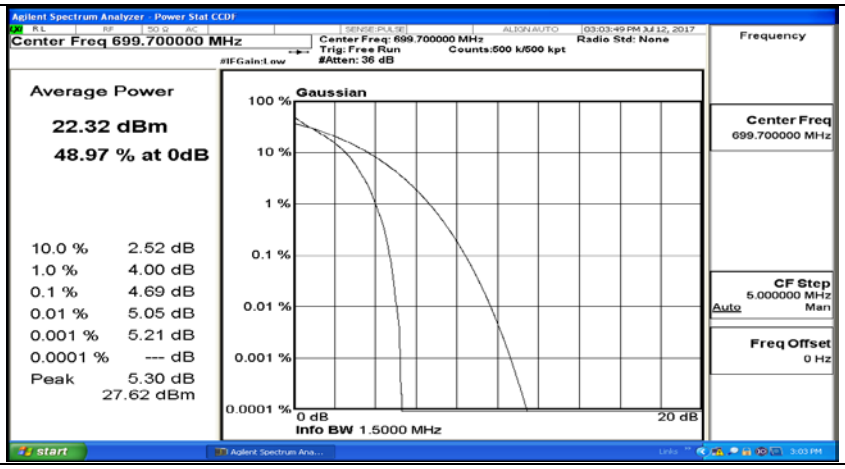
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#2



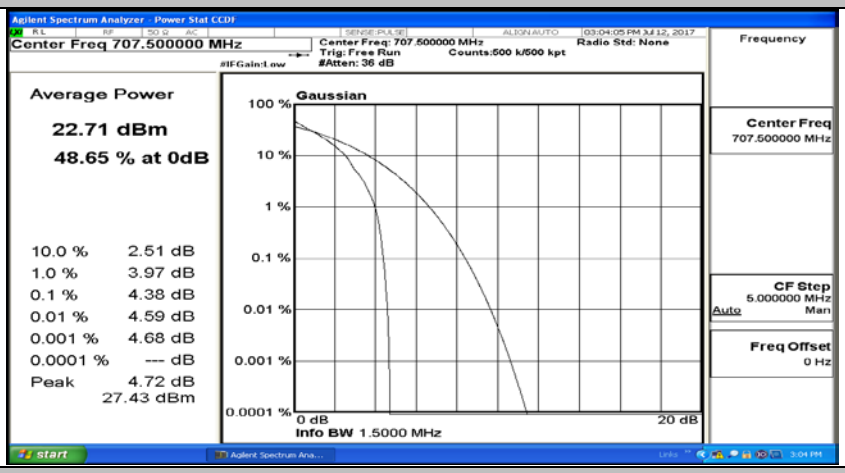
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_3RB#3



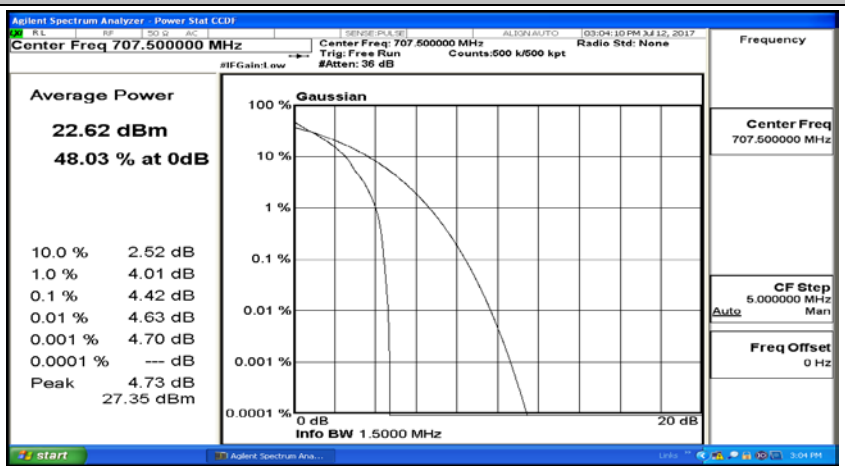
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0



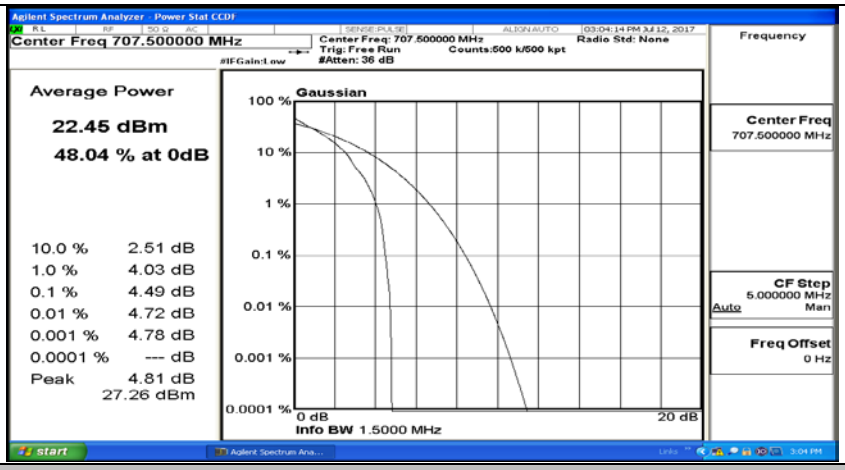
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0



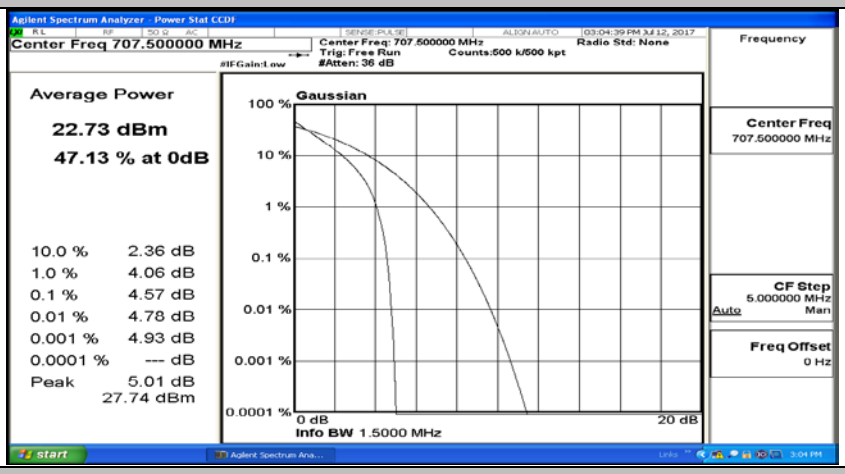
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3



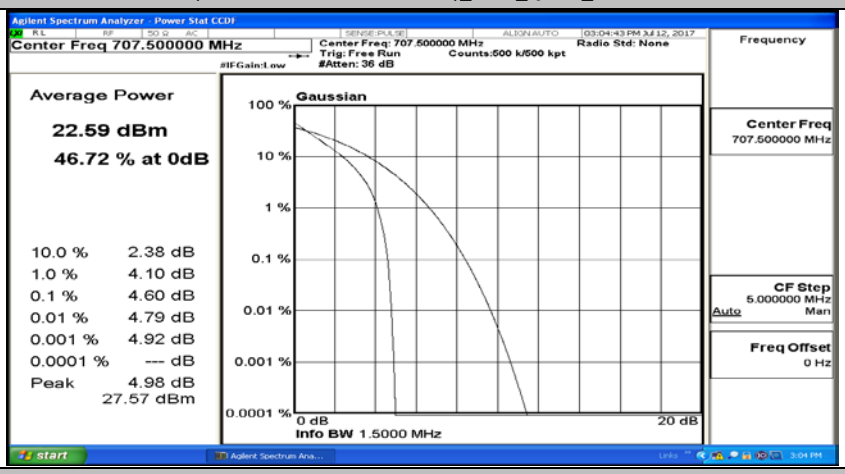
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5



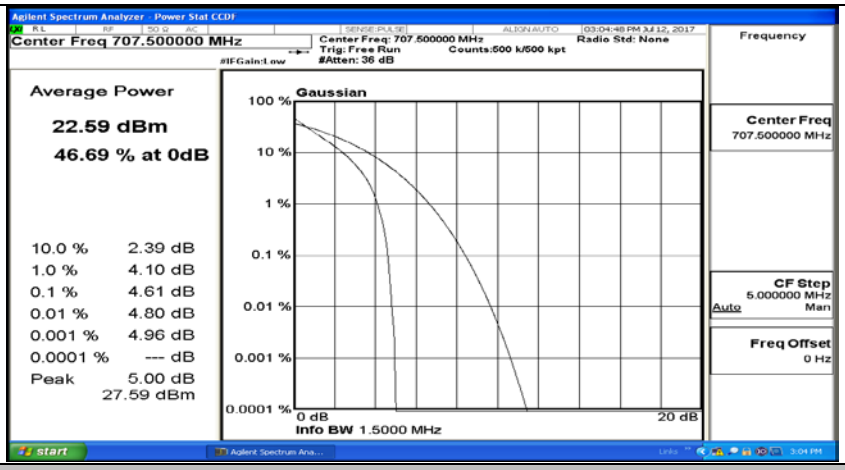
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#0



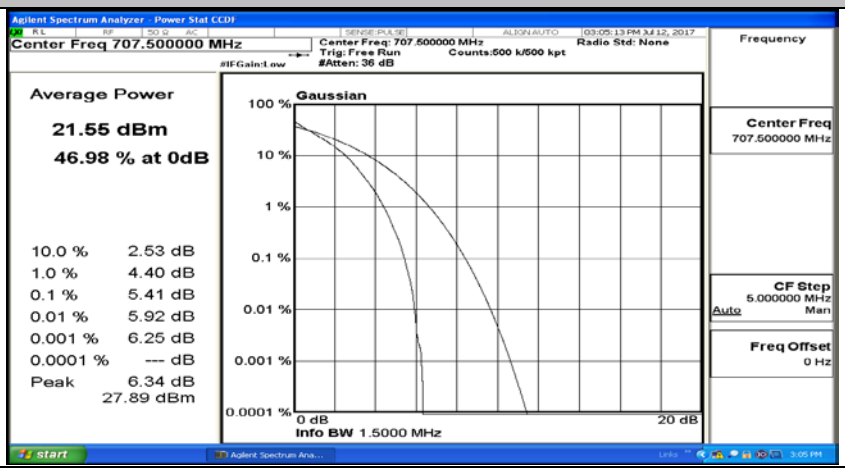
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#2



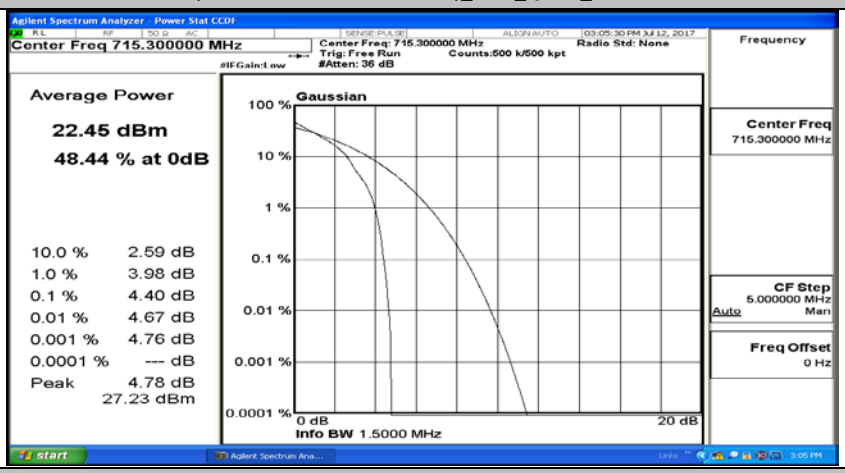
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_3RB#3



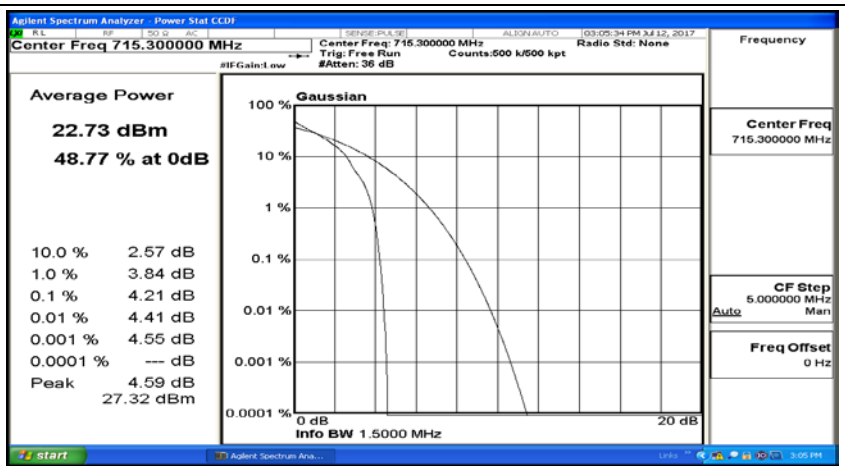
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_6RB#0



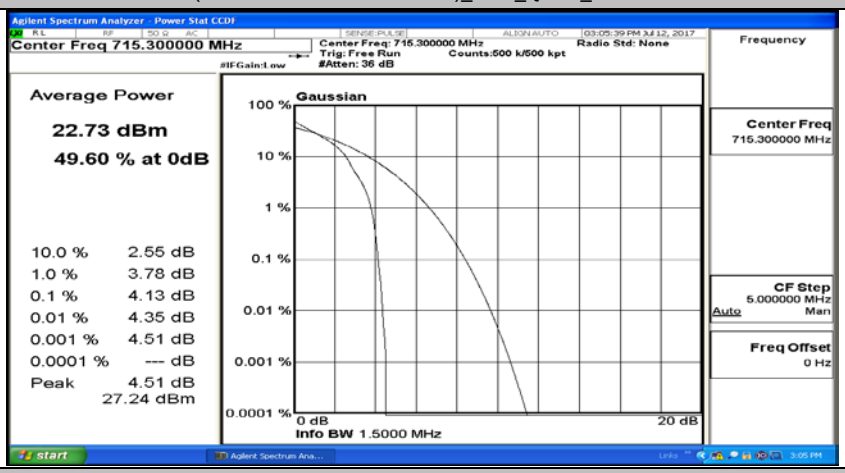
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



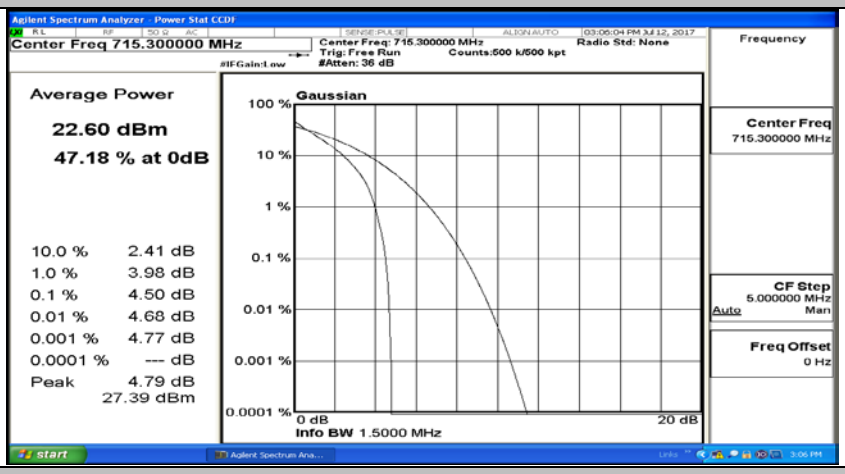
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



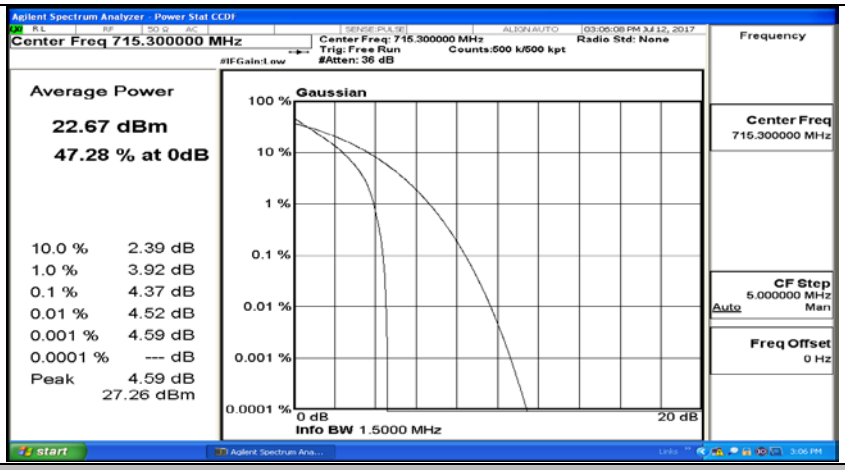
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



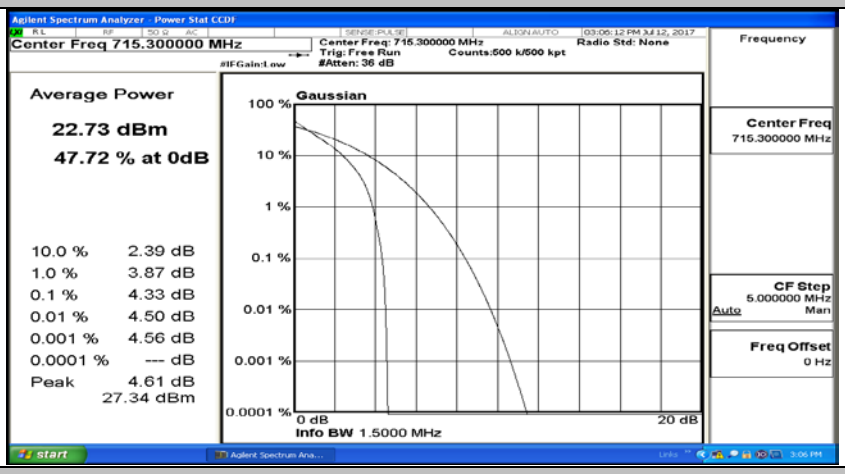
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#0



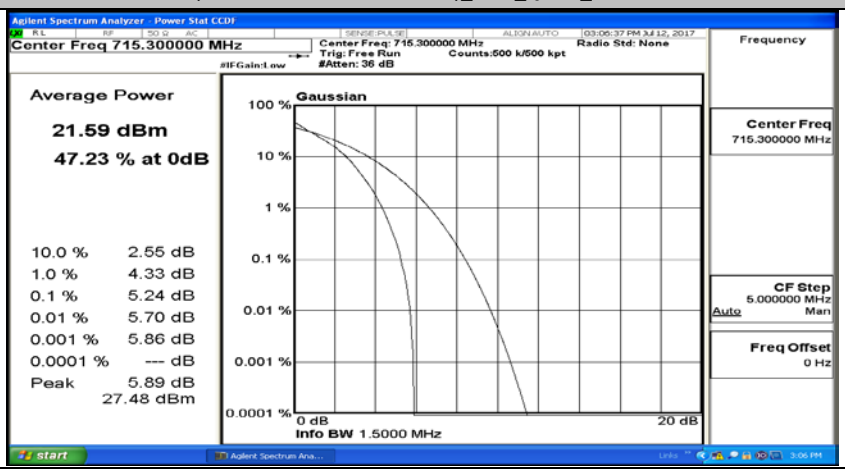
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#2



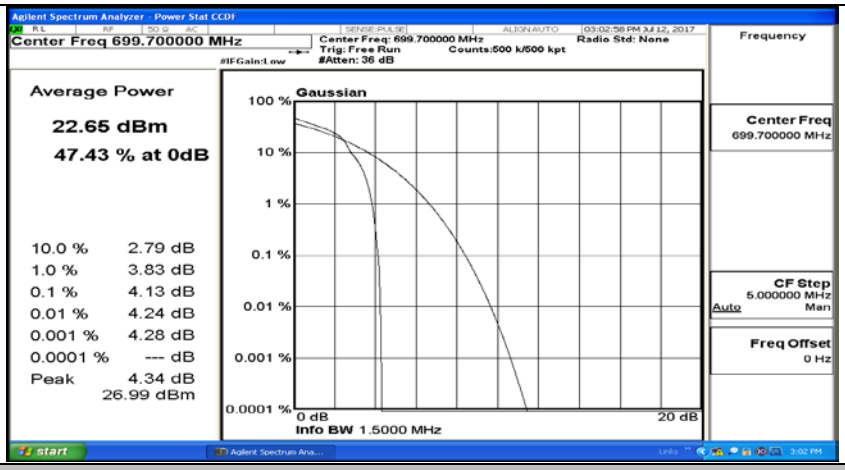
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_3RB#3



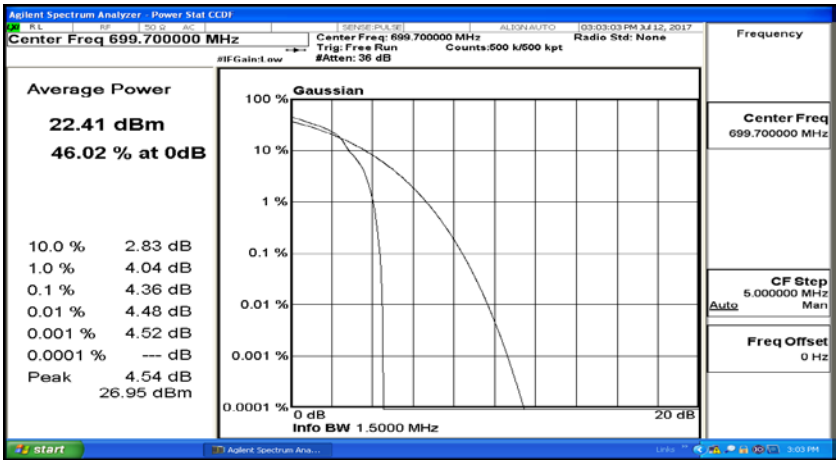
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



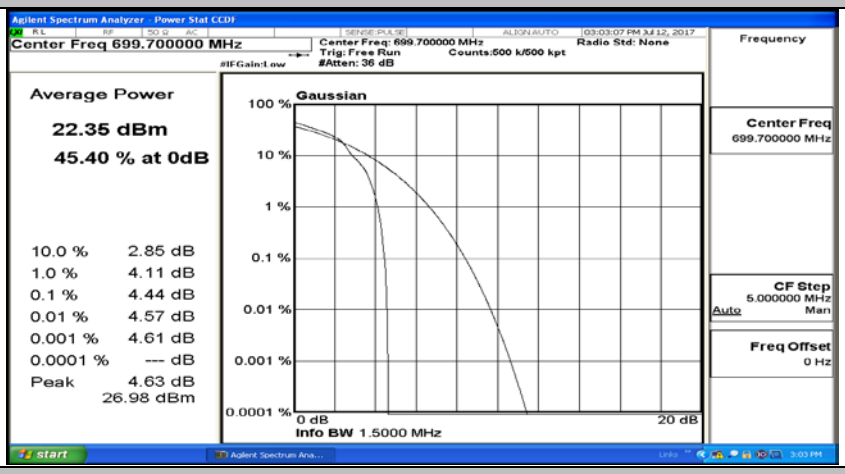
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



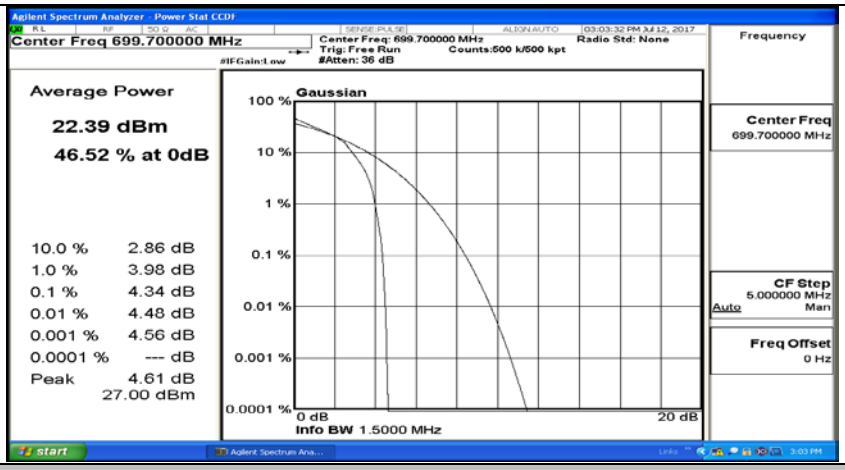
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



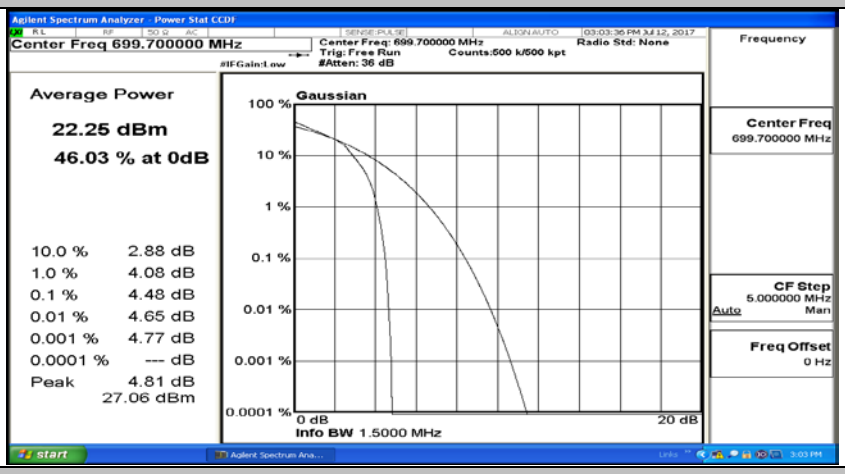
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



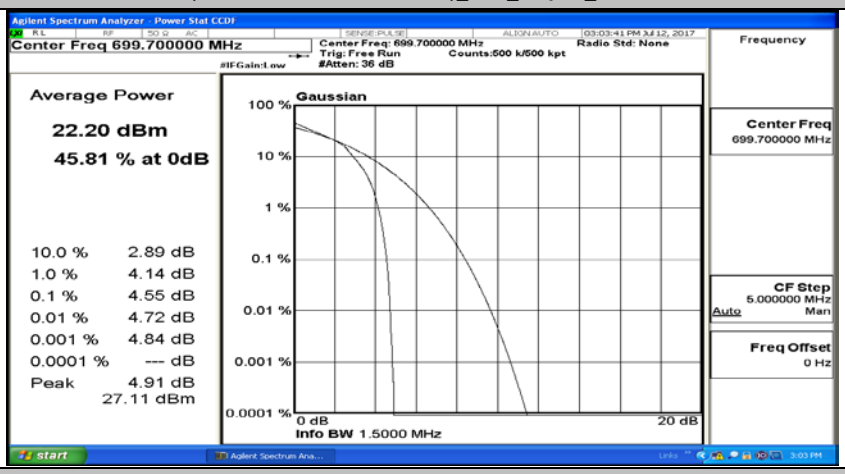
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#0



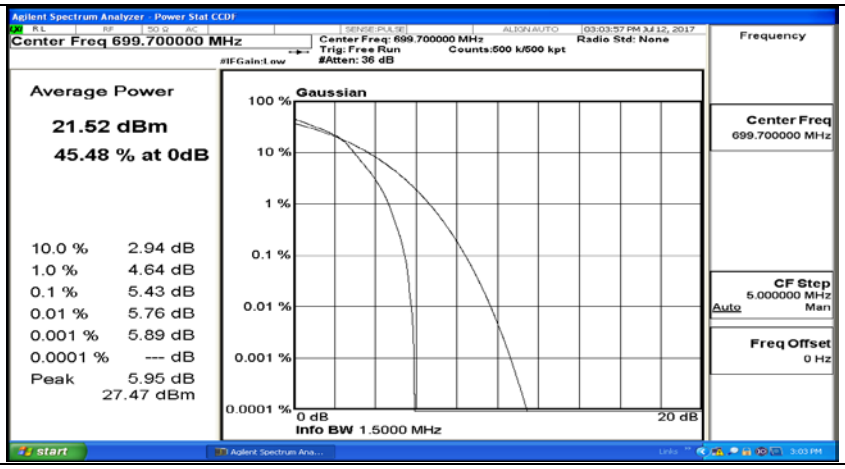
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#2



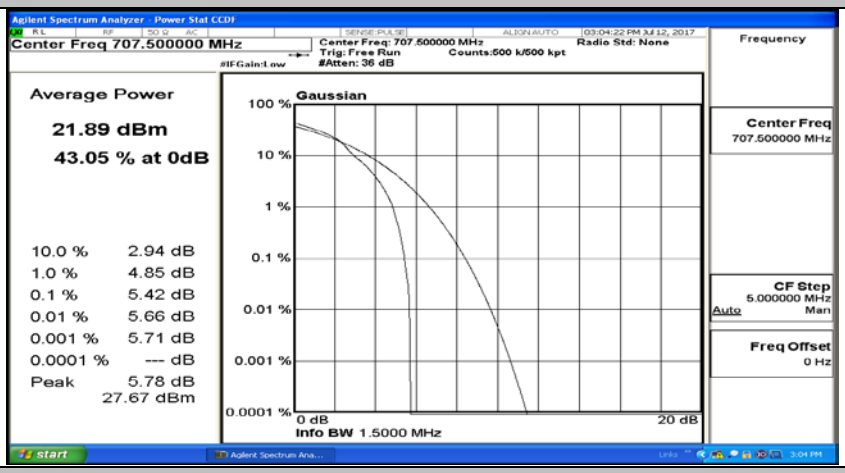
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_3RB#3



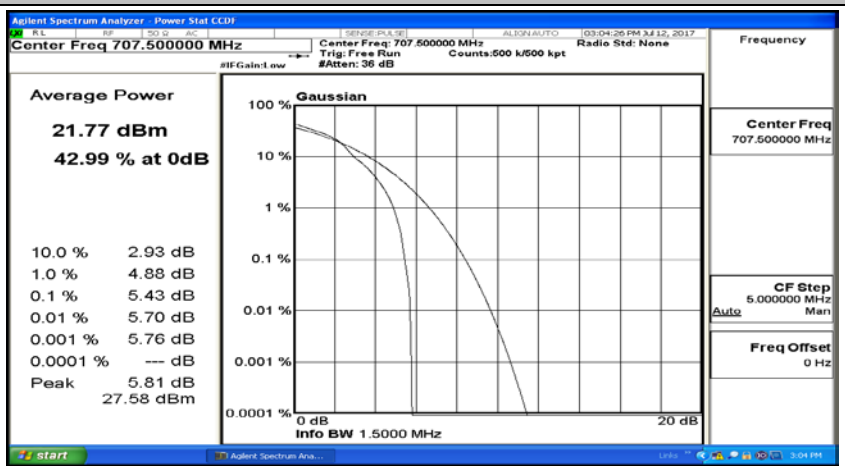
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



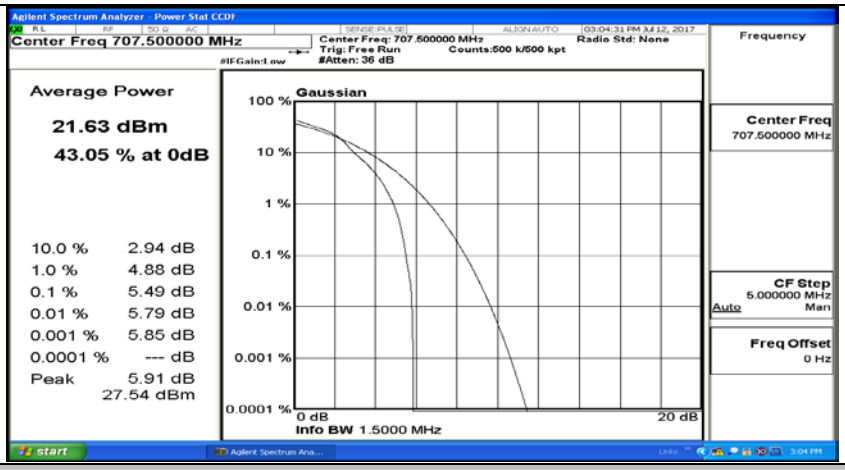
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



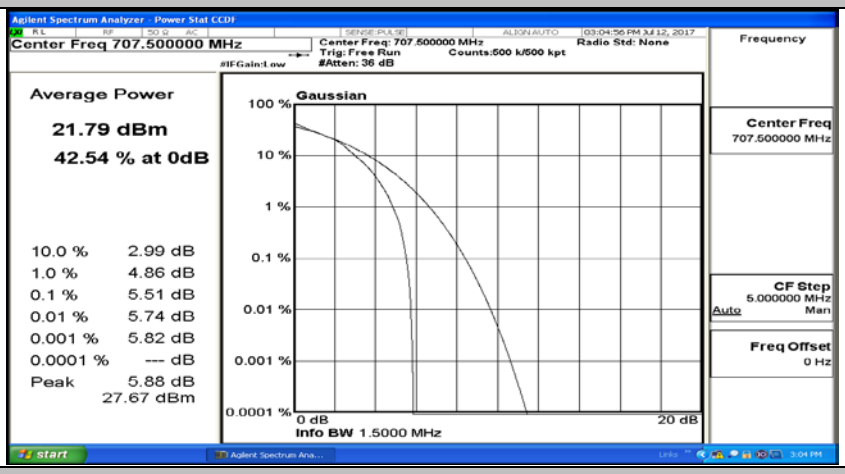
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#3



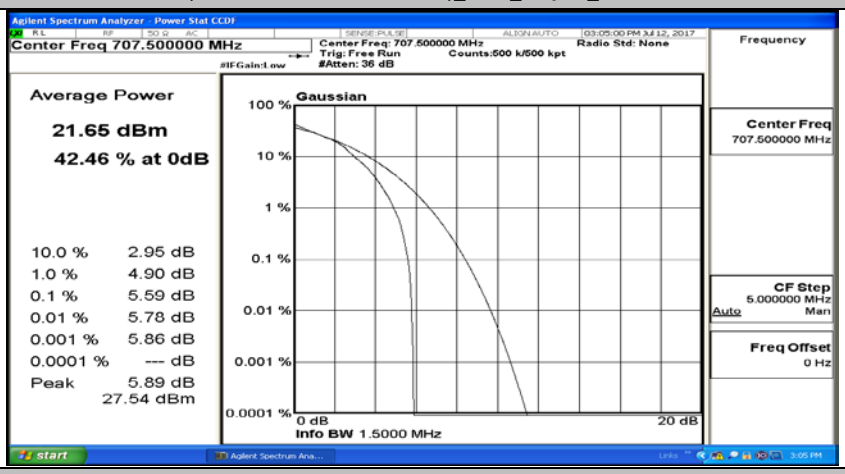
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#5



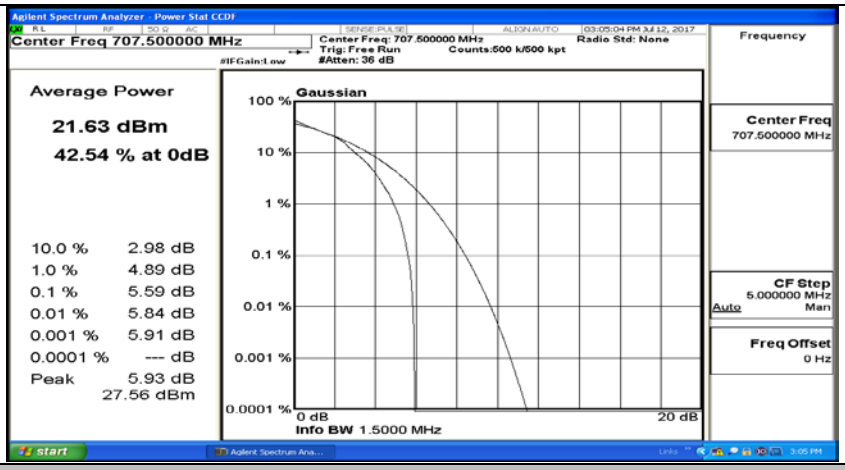
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#0



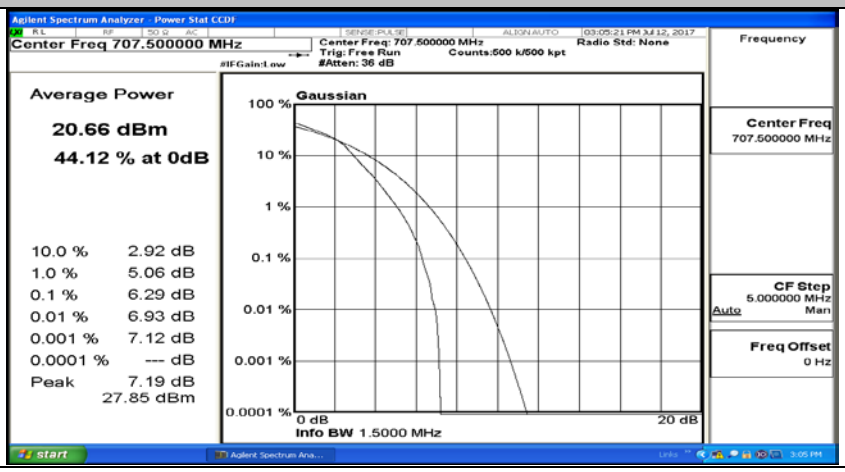
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#2



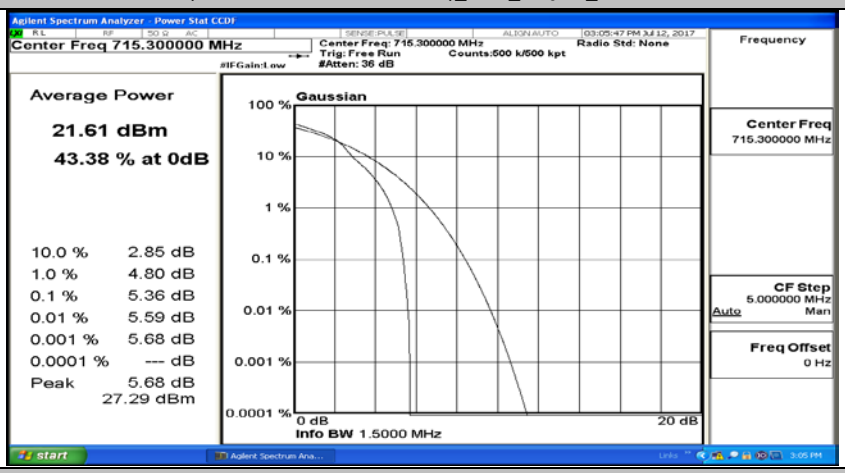
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_3RB#3



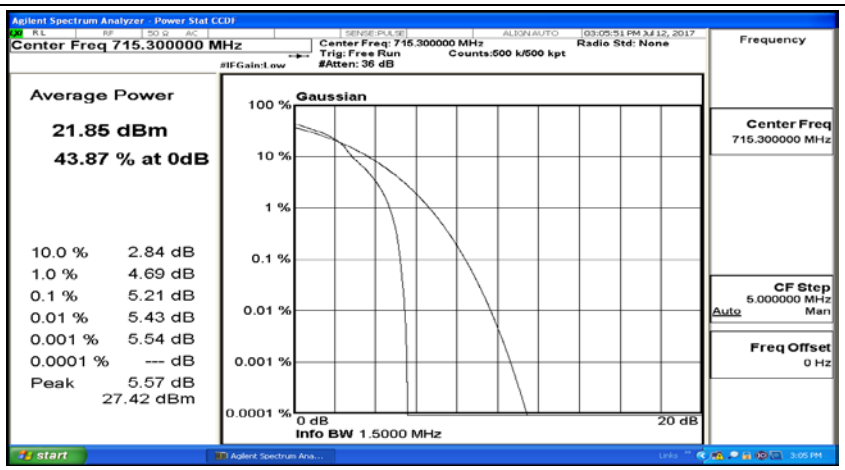
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



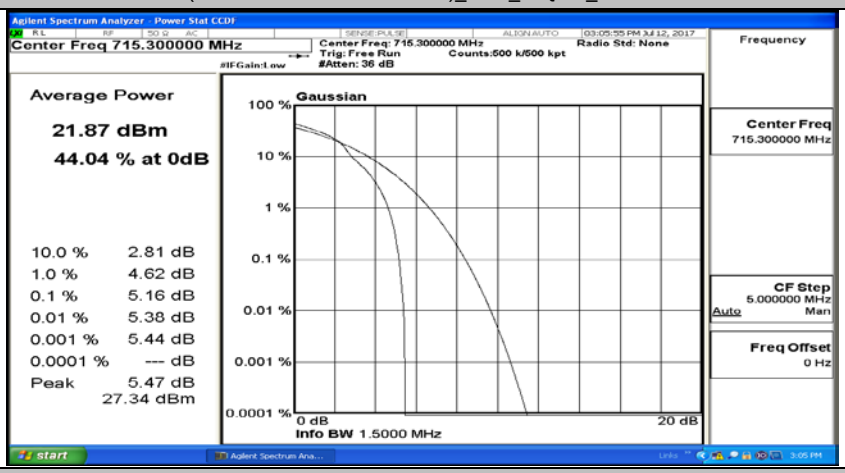
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



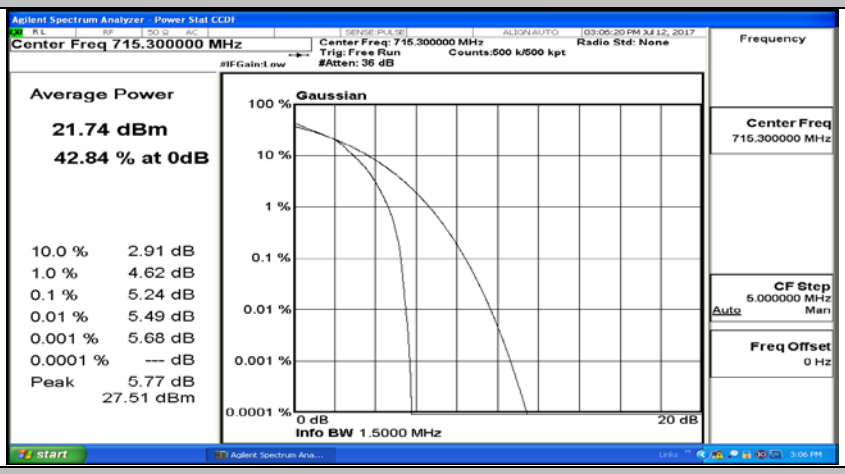
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



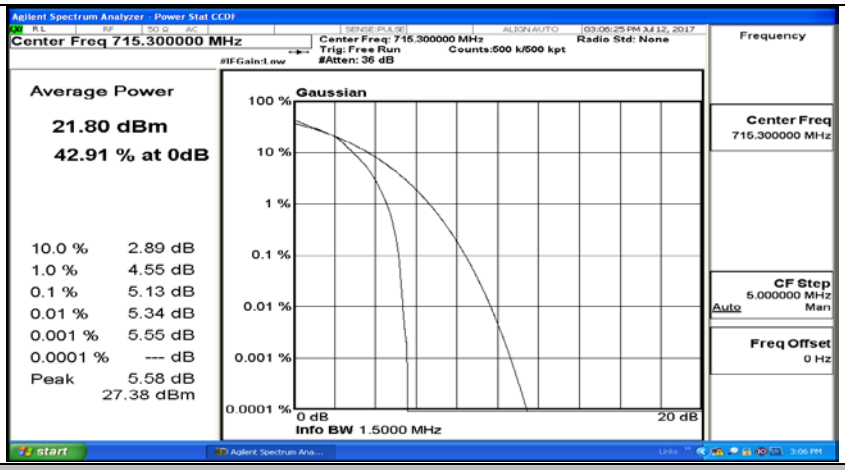
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



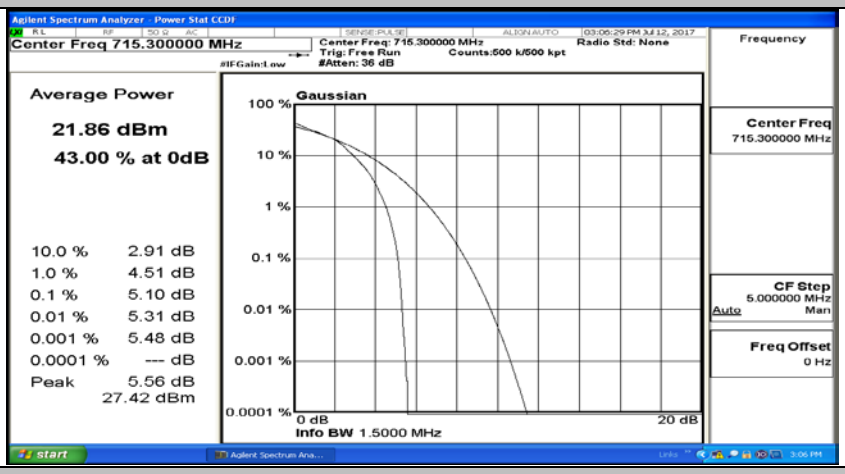
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0



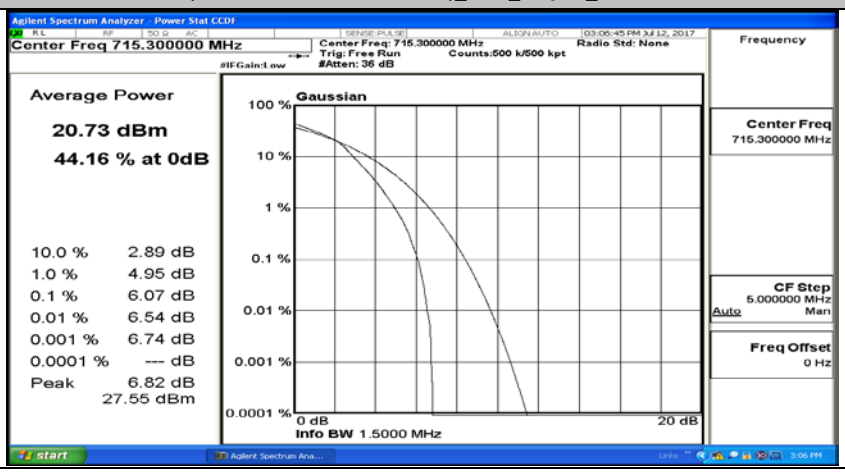
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

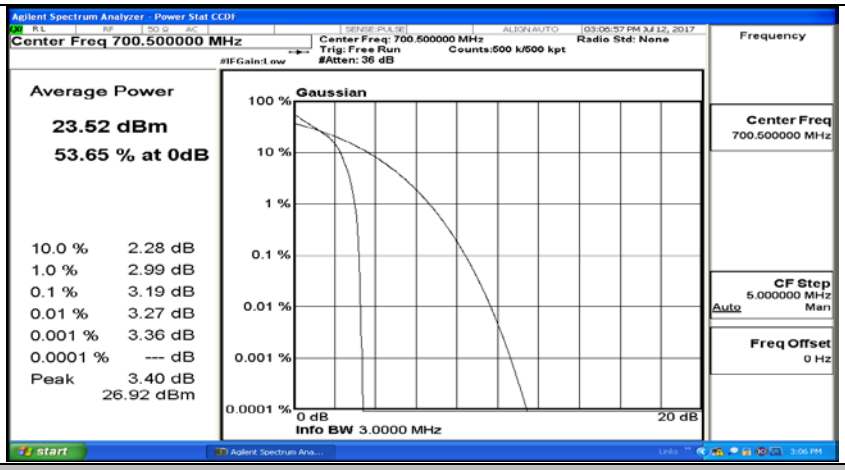


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

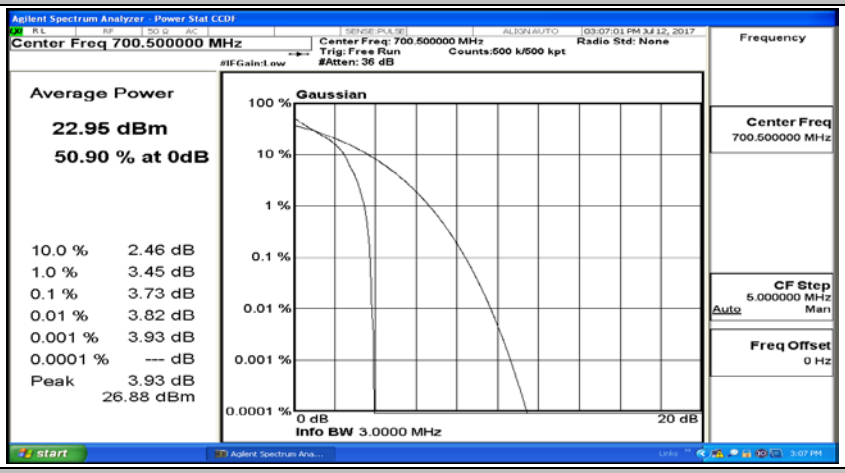


Channel Bandwidth: 3 MHz

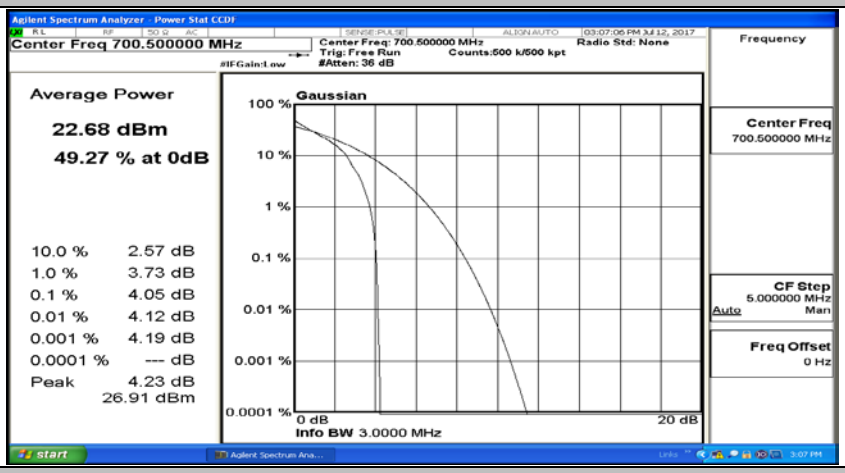
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



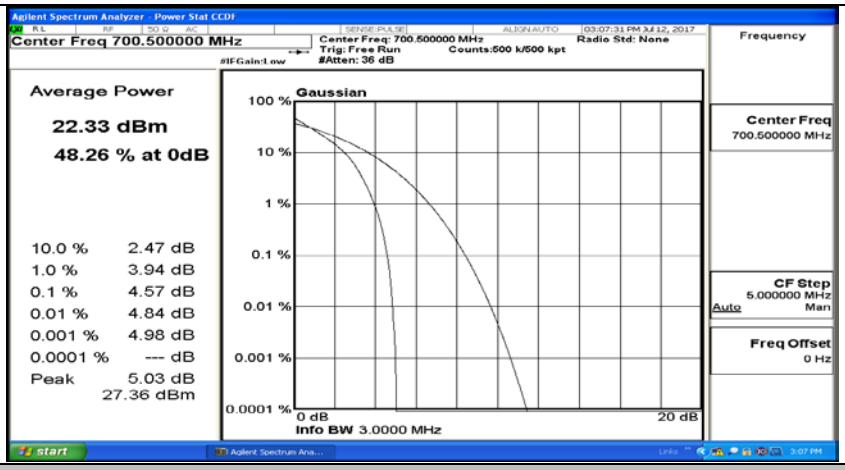
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#7



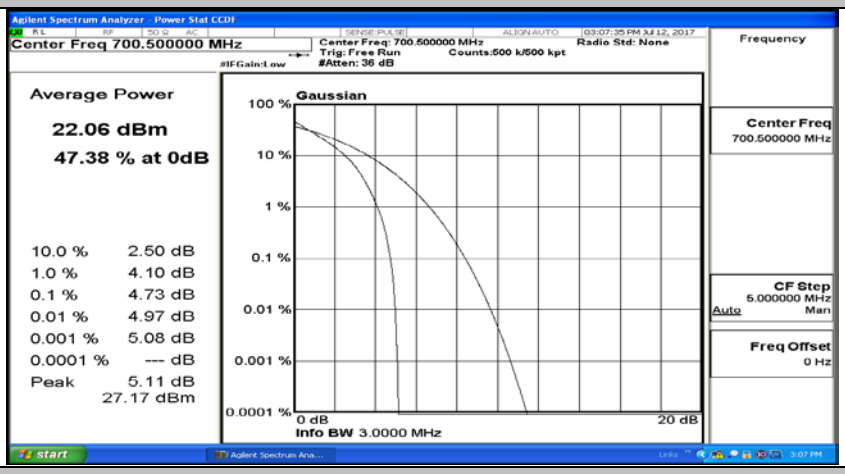
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#14



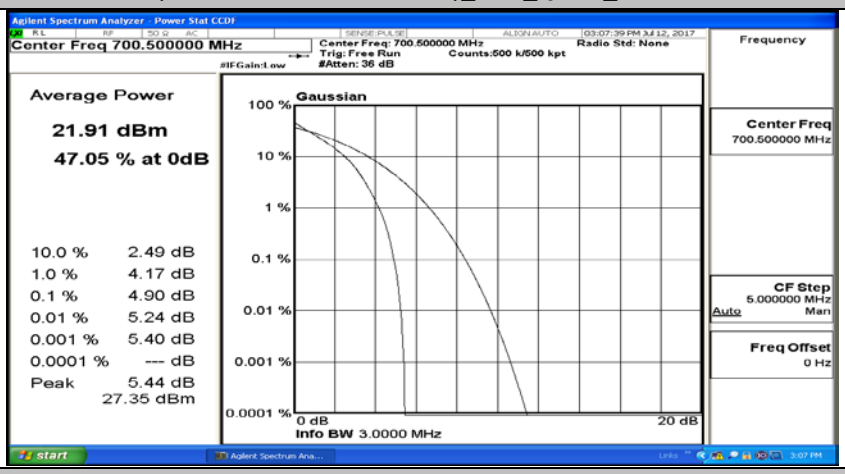
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#0



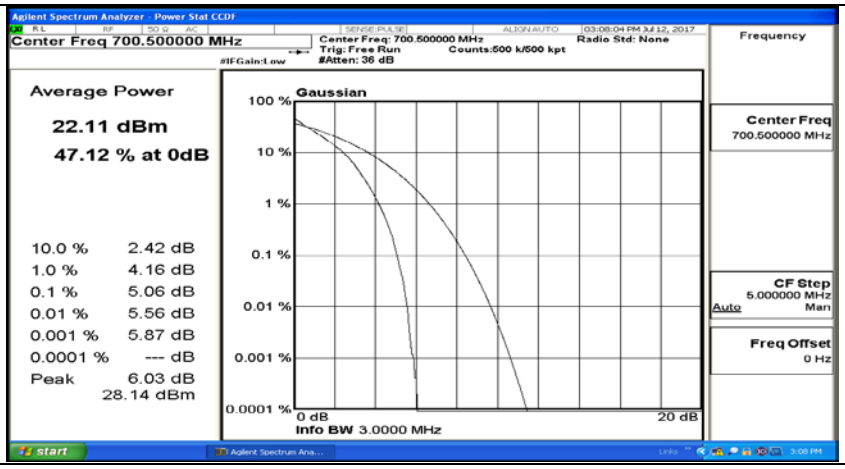
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#4



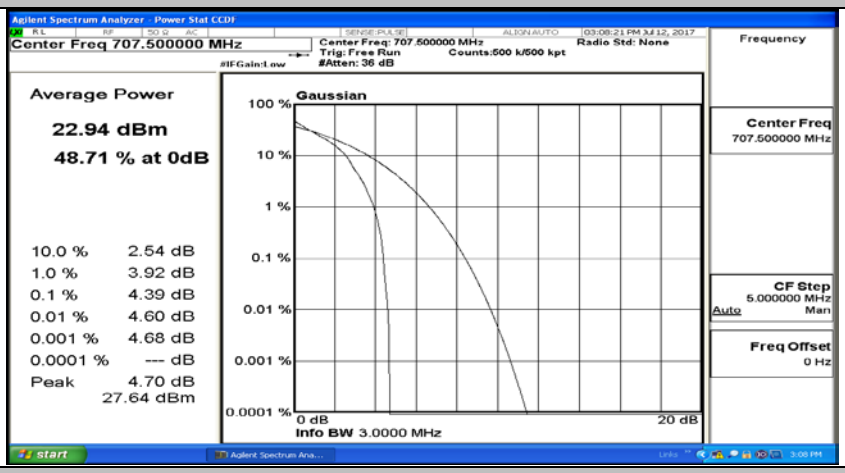
(Channel Bandwidth: 3 MHz)_LCH_QPSK_8RB#7



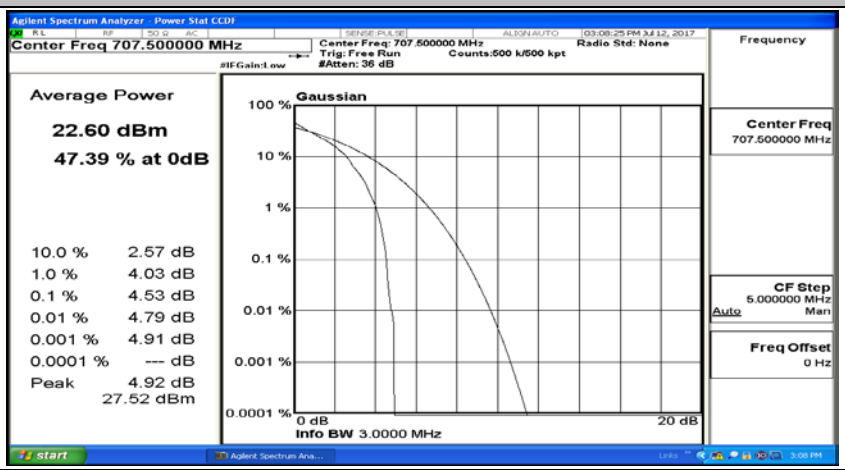
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



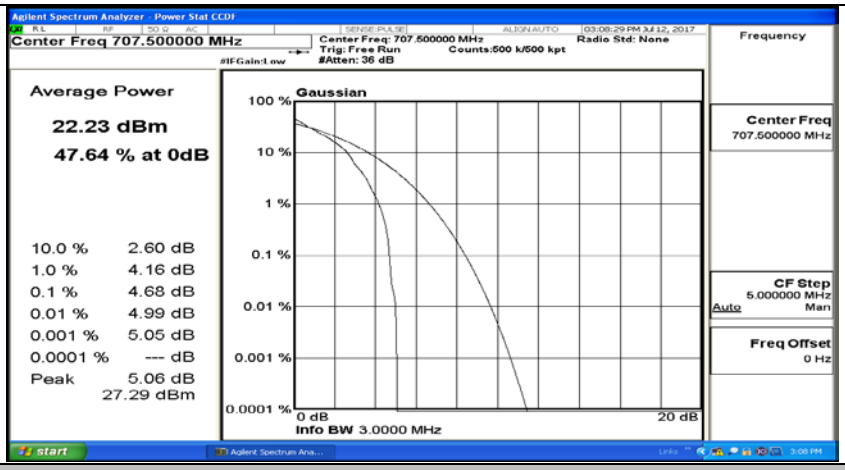
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



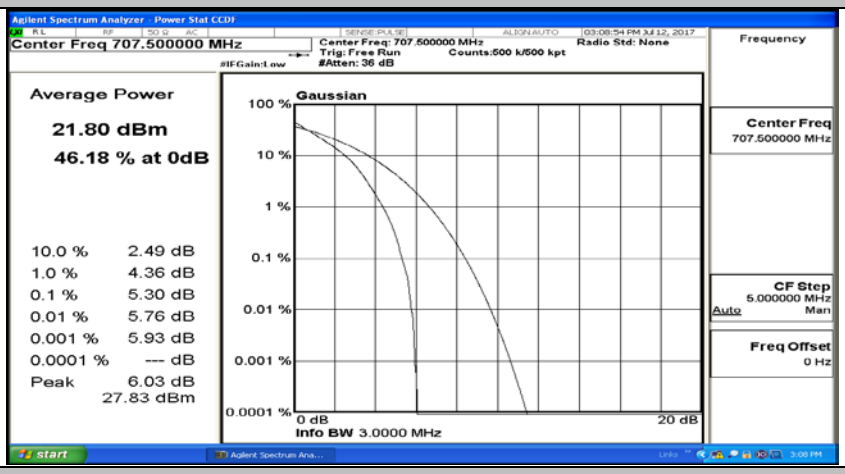
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#7



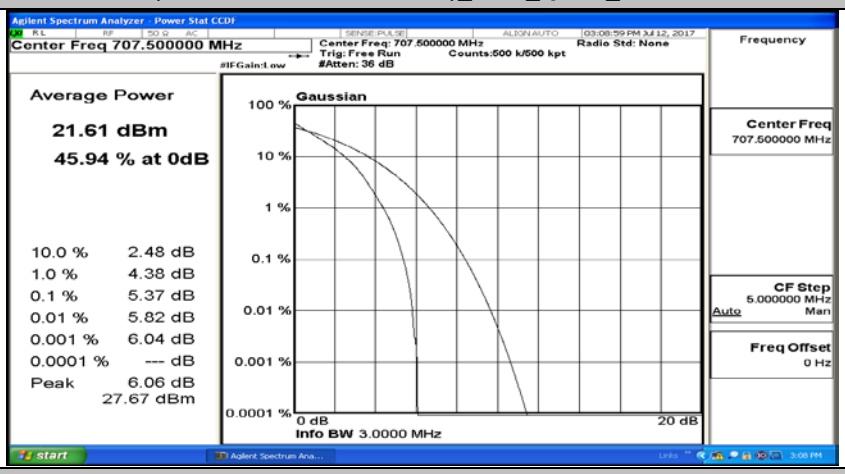
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#14



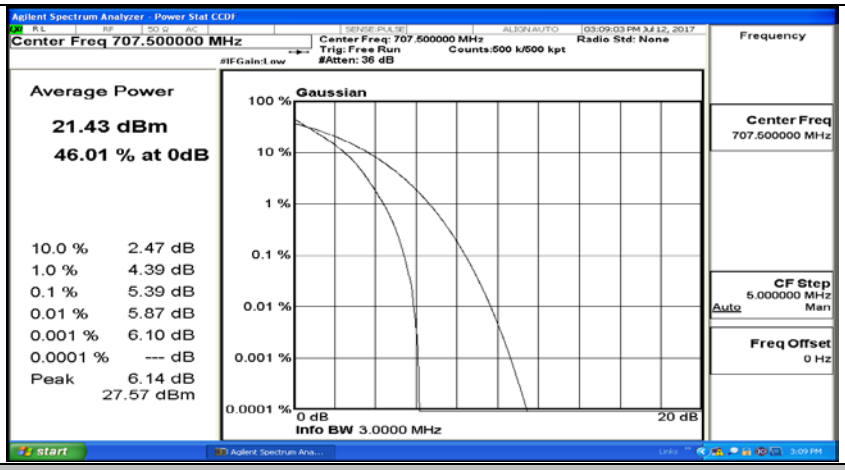
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#0



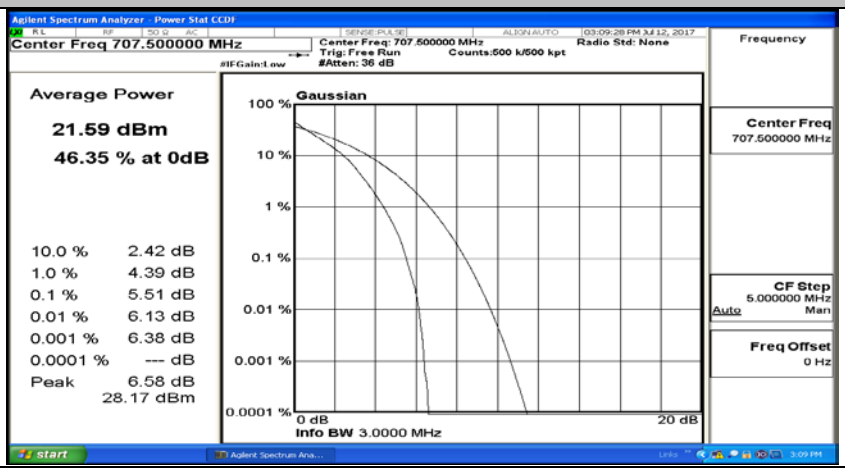
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#4



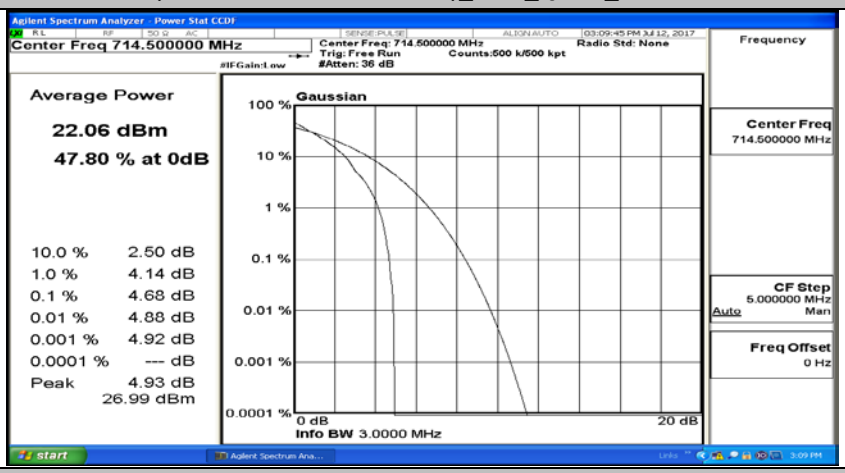
(Channel Bandwidth: 3 MHz)_MCH_QPSK_8RB#7



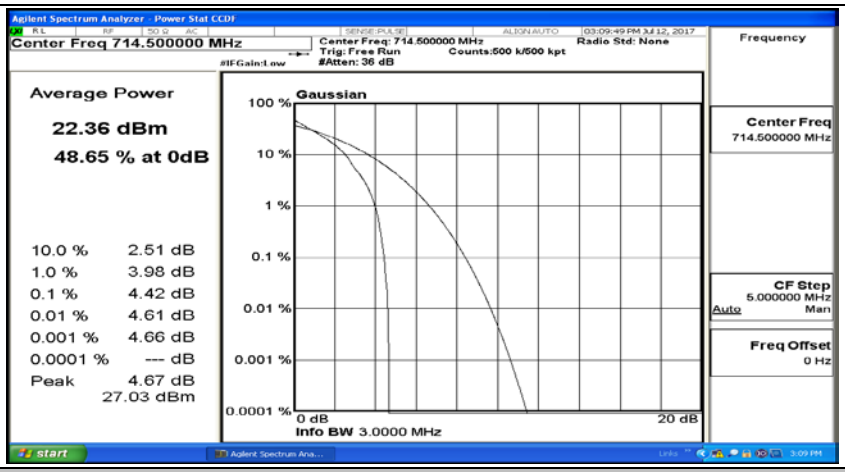
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



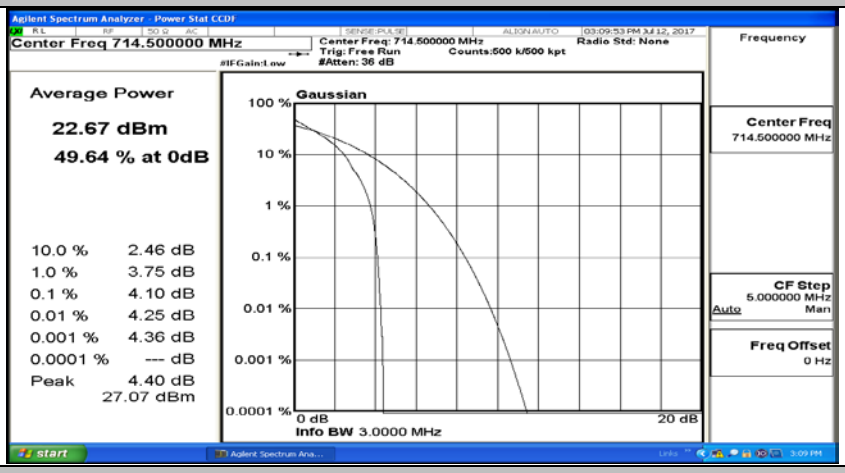
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



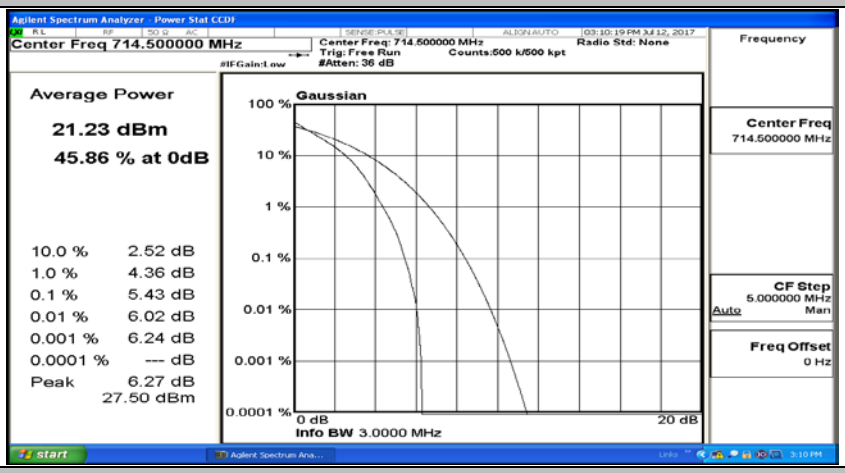
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



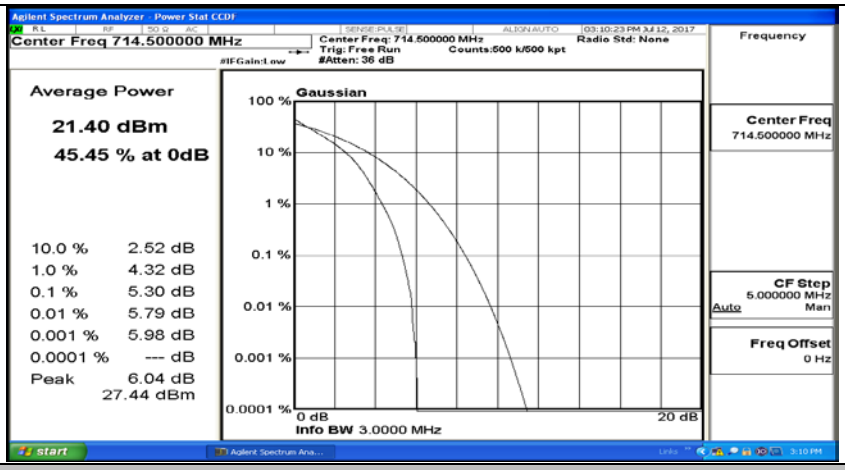
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14



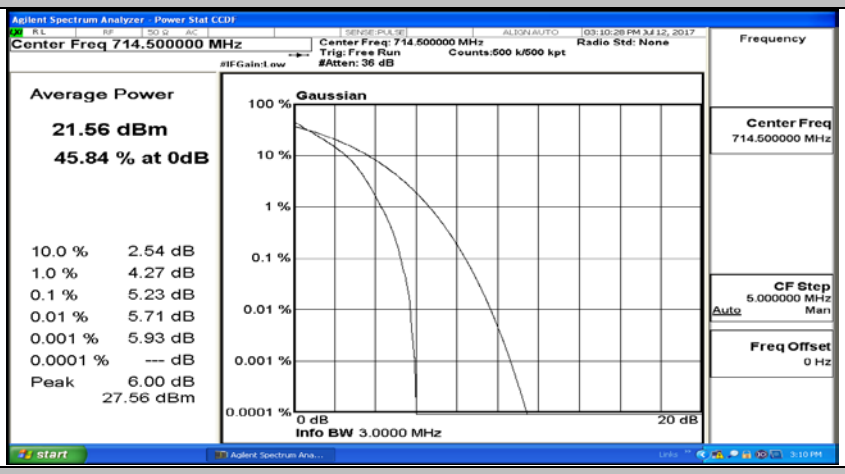
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



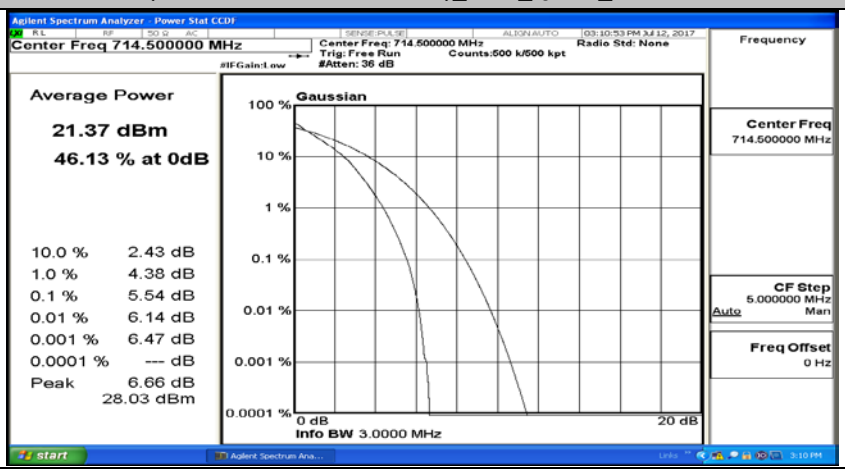
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#4



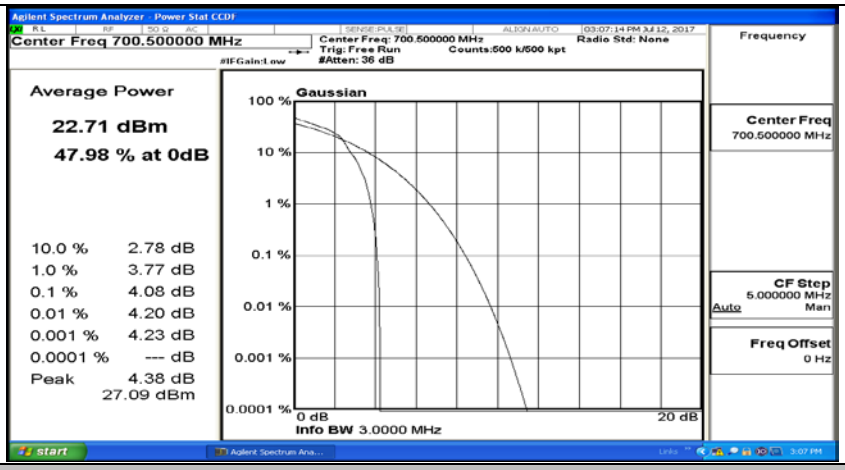
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#7



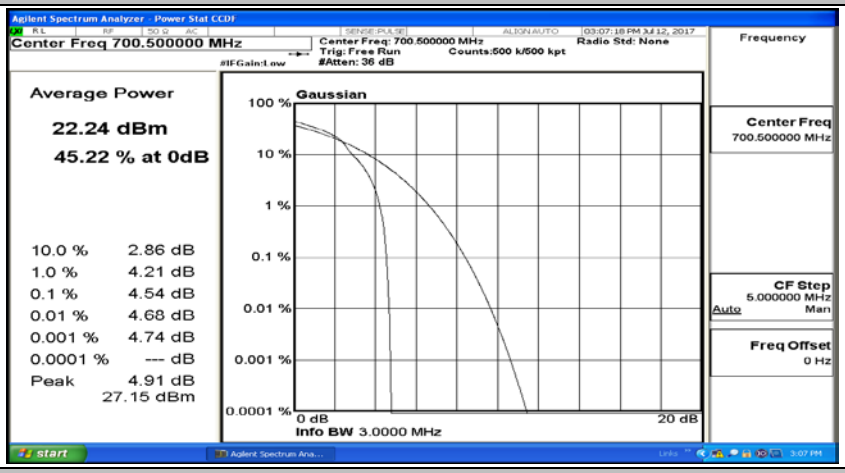
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



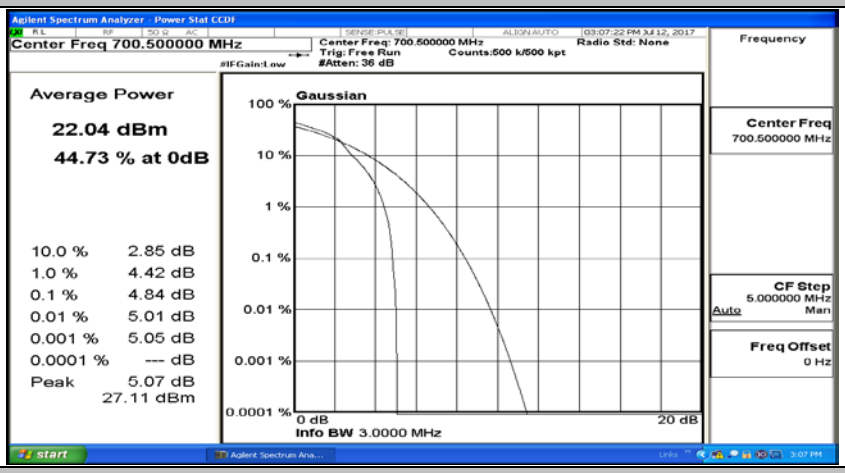
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



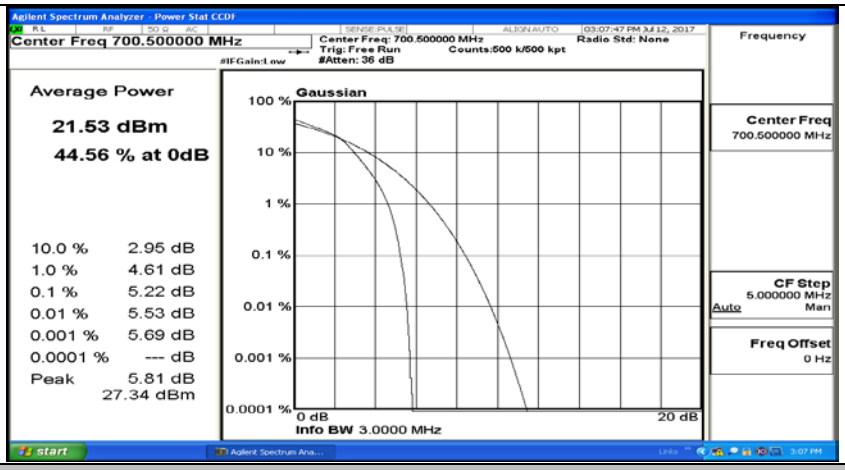
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



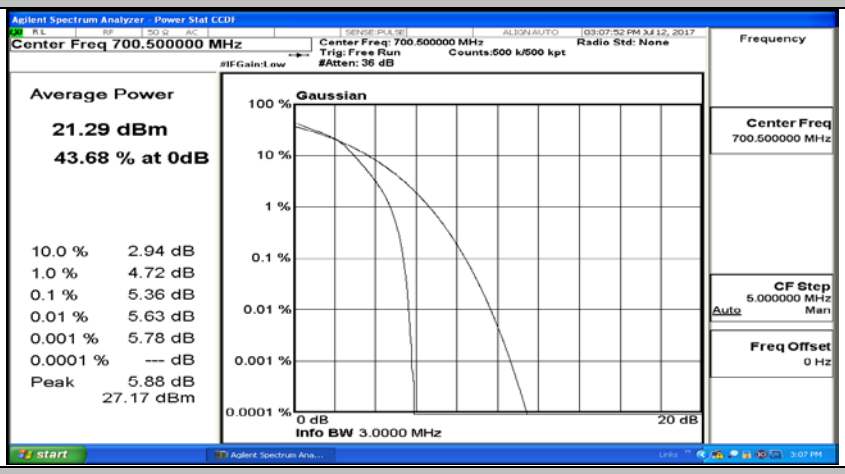
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#14



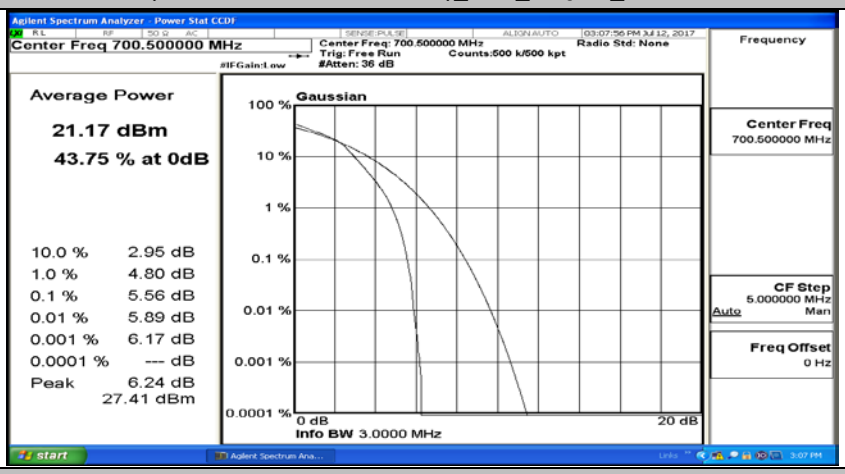
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#0



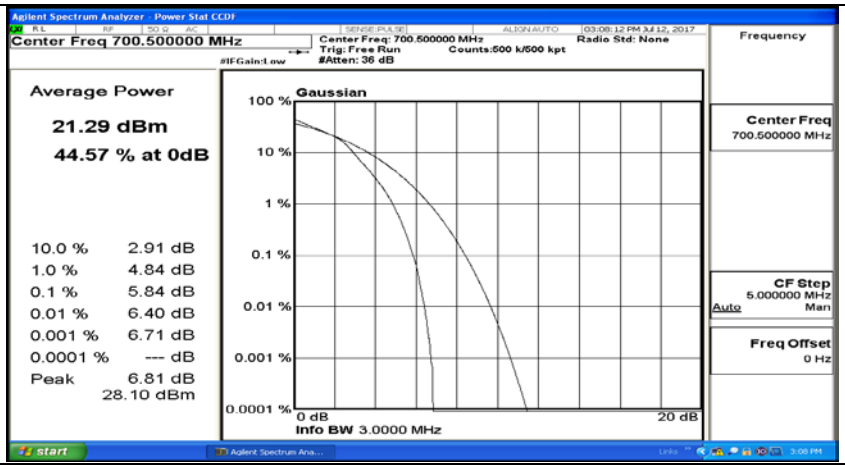
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#4



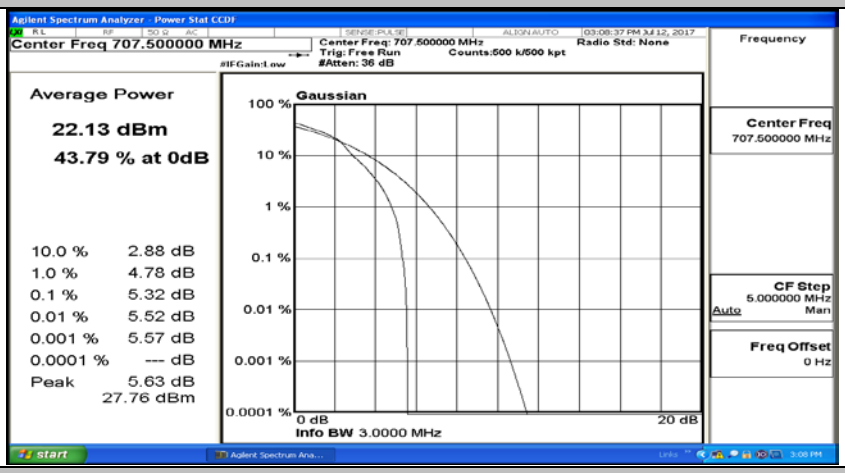
(Channel Bandwidth: 3 MHz)_LCH_16QAM_8RB#7



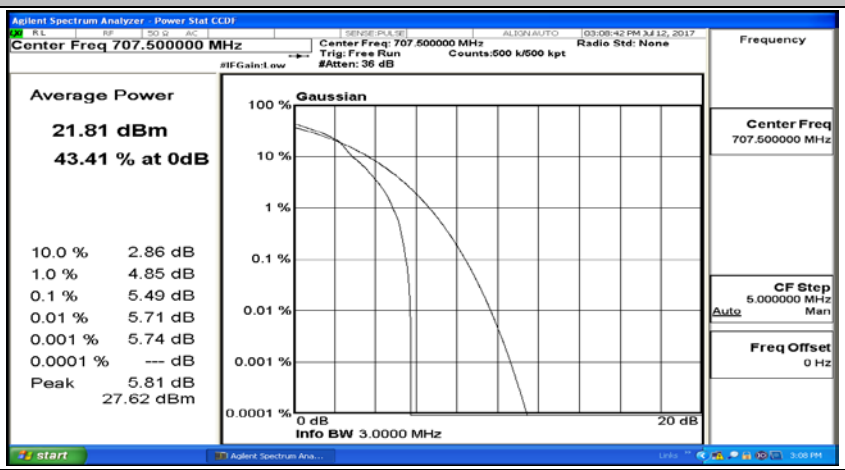
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



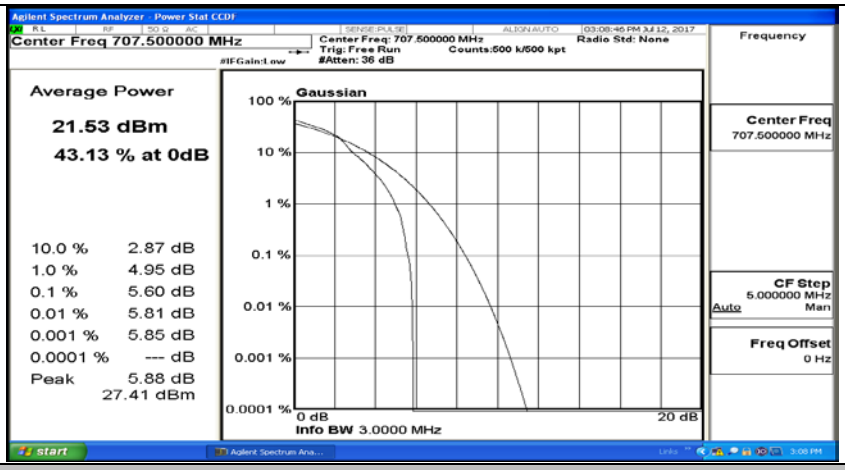
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



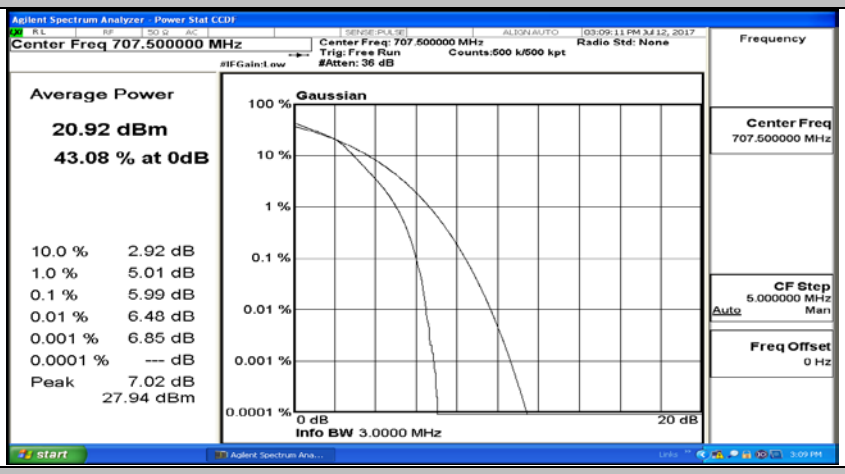
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



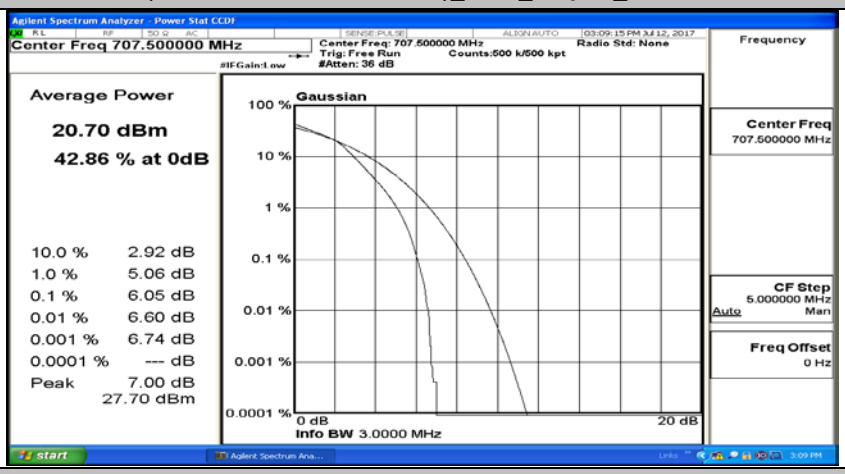
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#14



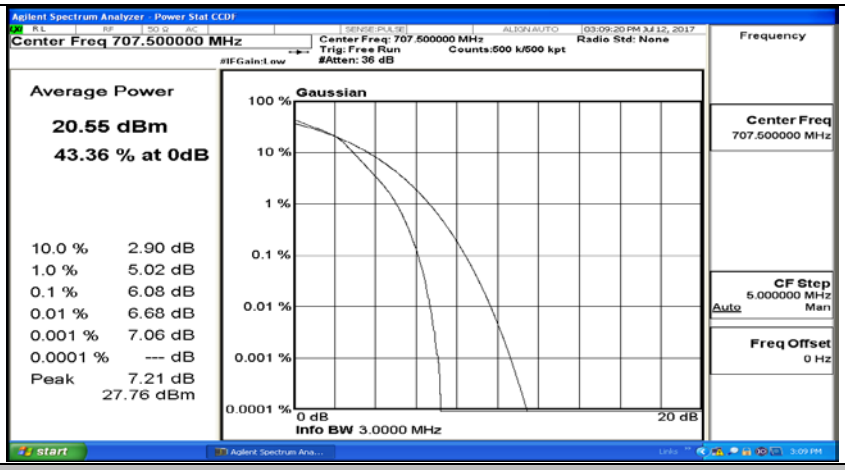
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#0



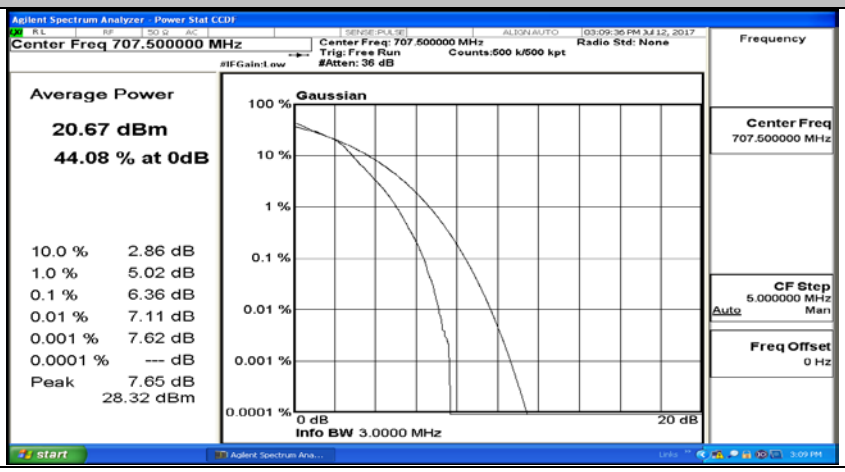
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#4



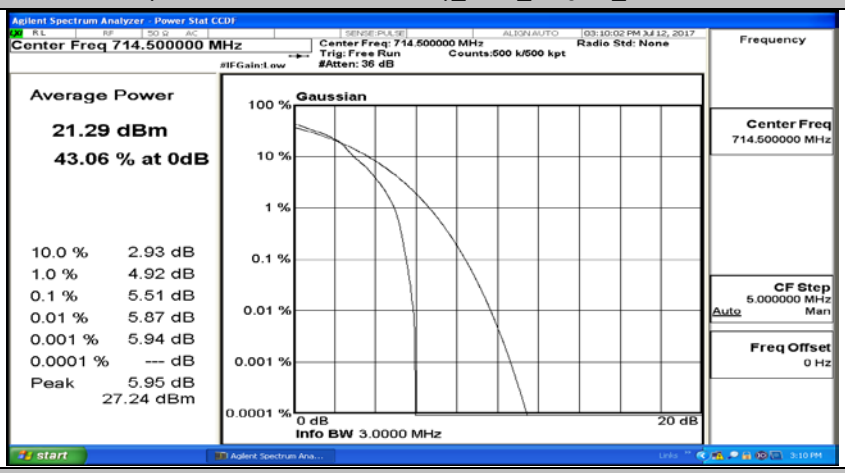
(Channel Bandwidth: 3 MHz)_MCH_16QAM_8RB#7



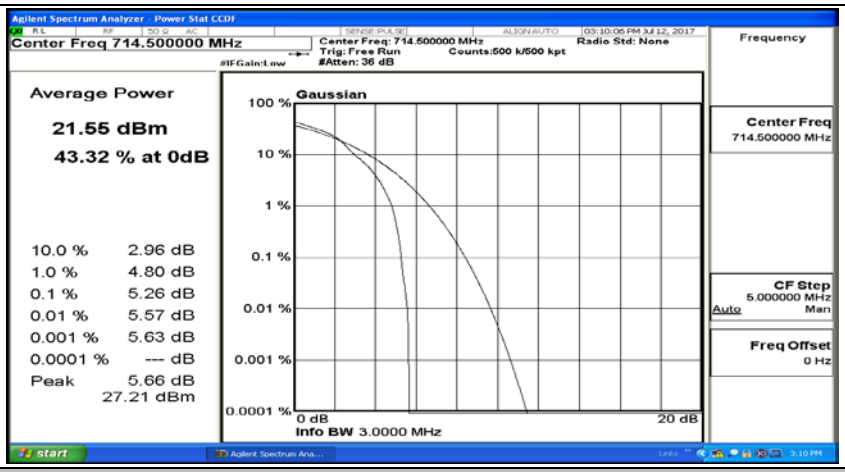
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



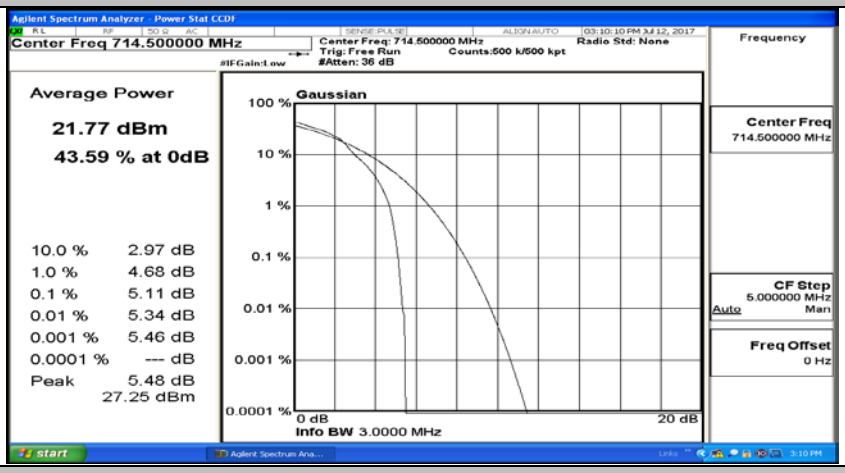
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0



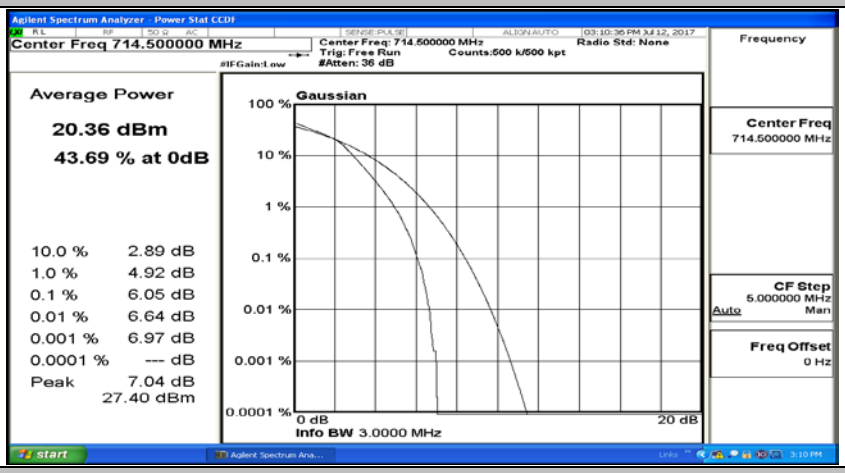
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



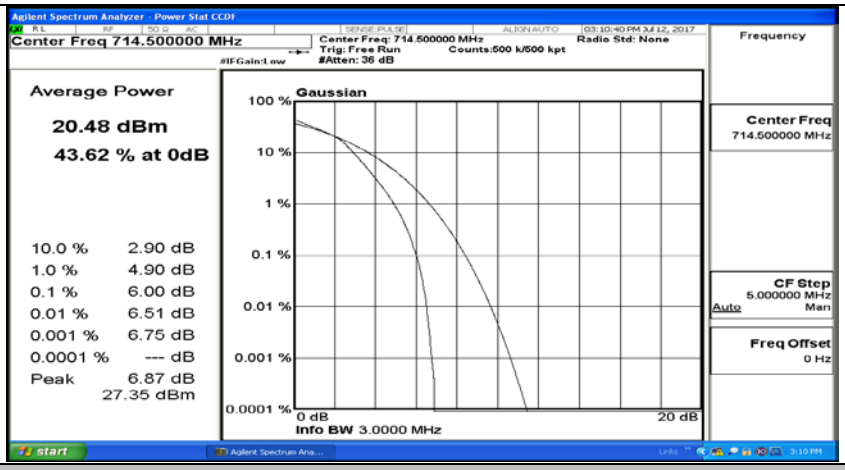
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14



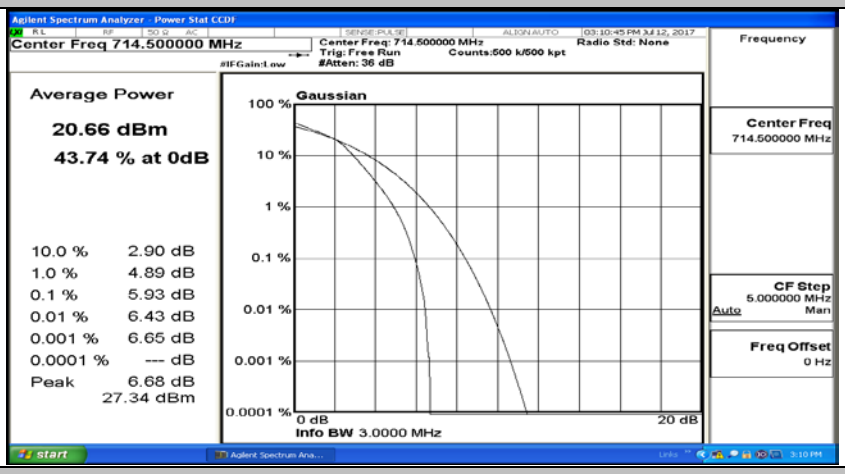
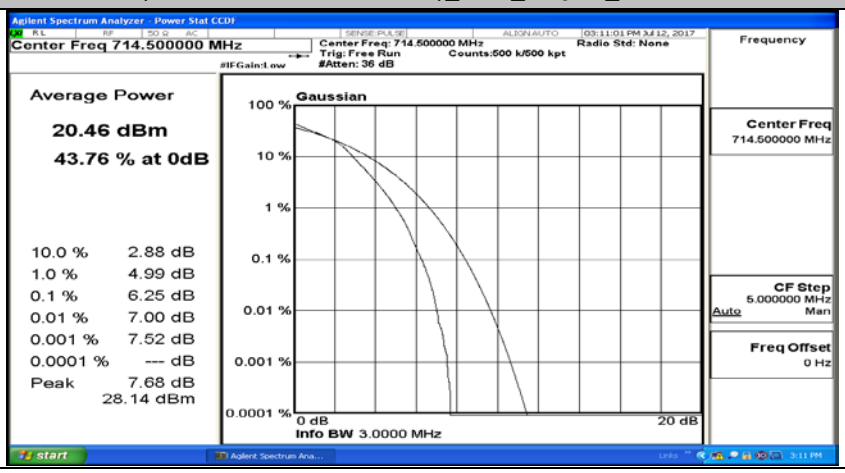
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4



(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#7



(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0