

Appendix for Band 17

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.98	PASS
		1	12	23.08	PASS
		1	24	21.99	PASS
		12	0	22.77	PASS
		12	6	22.75	PASS
		12	13	22.25	PASS
		25	0	22.75	PASS
	MCH	1	0	22.87	PASS
		1	12	21.91	PASS
		1	24	21.91	PASS
		12	0	22.07	PASS
		12	6	21.63	PASS
		12	13	21.58	PASS
		25	0	21.83	PASS
	HCH	1	0	22.62	PASS
		1	12	23.17	PASS
		1	24	23.88	PASS
		12	0	22.55	PASS
		12	6	23.02	PASS
		12	13	23.50	PASS
		25	0	23.14	PASS
16QAM	LCH	1	0	23.47	PASS
		1	12	23.76	PASS
		1	24	22.53	PASS
		12	0	22.87	PASS
		12	6	22.91	PASS
		12	13	22.45	PASS
		25	0	22.81	PASS
	MCH	1	0	23.63	PASS
		1	12	22.58	PASS
		1	24	22.55	PASS
		12	0	22.16	PASS

		12	6	21.80	PASS
		12	13	21.69	PASS
		25	0	21.90	PASS
	HCH	1	0	23.43	PASS
		1	12	23.58	PASS
		1	24	24.43	PASS
		12	0	22.69	PASS
		12	6	23.10	PASS
		12	13	23.55	PASS
		25	0	23.26	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.10	PASS
		1	24	22.12	PASS
		1	49	22.19	PASS
		25	0	22.91	PASS
		25	12	22.01	PASS
		25	25	21.64	PASS
		50	0	22.38	PASS
	MCH	1	0	23.62	PASS
		1	24	21.89	PASS
		1	49	22.84	PASS
		25	0	22.81	PASS
		25	12	21.81	PASS
		25	25	21.92	PASS
		50	0	22.34	PASS
	HCH	1	0	23.63	PASS
		1	24	22.00	PASS
		1	49	23.25	PASS
		25	0	22.49	PASS
		25	12	21.92	PASS
		25	25	22.51	PASS
		50	0	22.45	PASS
16QAM	LCH	1	0	23.41	PASS
		1	24	22.53	PASS
		1	49	22.60	PASS
		25	0	22.93	PASS
		25	12	22.18	PASS
		25	25	21.71	PASS
		50	0	22.45	PASS

	MCH	1	0	24.01	PASS
		1	24	22.51	PASS
		1	49	23.15	PASS
		25	0	22.84	PASS
		25	12	21.96	PASS
		25	25	22.03	PASS
		50	0	22.45	PASS
	HCH	1	0	24.25	PASS
		1	24	22.78	PASS
		1	49	23.54	PASS
		25	0	22.59	PASS
		25	12	22.00	PASS
		25	25	22.55	PASS
		50	0	22.57	PASS

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	3.59	<13	PASS
		1	12	4.59	<13	PASS
		1	24	5.95	<13	PASS
		12	0	4.35	<13	PASS
		12	6	4.77	<13	PASS
		12	13	5.71	<13	PASS
		25	0	5.11	<13	PASS
	MCH	1	0	5.63	<13	PASS
		1	12	6.06	<13	PASS
		1	24	5.85	<13	PASS
		12	0	6.07	<13	PASS
		12	6	6.17	<13	PASS
		12	13	6.01	<13	PASS
		25	0	6.09	<13	PASS
	HCH	1	0	5.93	<13	PASS
		1	12	4.8	<13	PASS
		1	24	3.91	<13	PASS
		12	0	5.66	<13	PASS
		12	6	5	<13	PASS
		12	13	4.32	<13	PASS
		25	0	5.07	<13	PASS
16QAM	LCH	1	0	3.81	<13	PASS
		1	12	4.78	<13	PASS
		1	24	6.75	<13	PASS
		12	0	4.54	<13	PASS
		12	6	5.03	<13	PASS
		12	13	6.16	<13	PASS
		25	0	5.47	<13	PASS
	MCH	1	0	6.12	<13	PASS
		1	12	6.88	<13	PASS
		1	24	6.5	<13	PASS
		12	0	6.75	<13	PASS
		12	6	6.92	<13	PASS

		12	13	6.64	<13	PASS
		25	0	6.71	<13	PASS
	HCH	1	0	6.81	<13	PASS
		1	12	5.05	<13	PASS
		1	24	4.08	<13	PASS
		12	0	6.12	<13	PASS
		12	6	5.34	<13	PASS
		12	13	4.58	<13	PASS
		25	0	5.48	<13	PASS

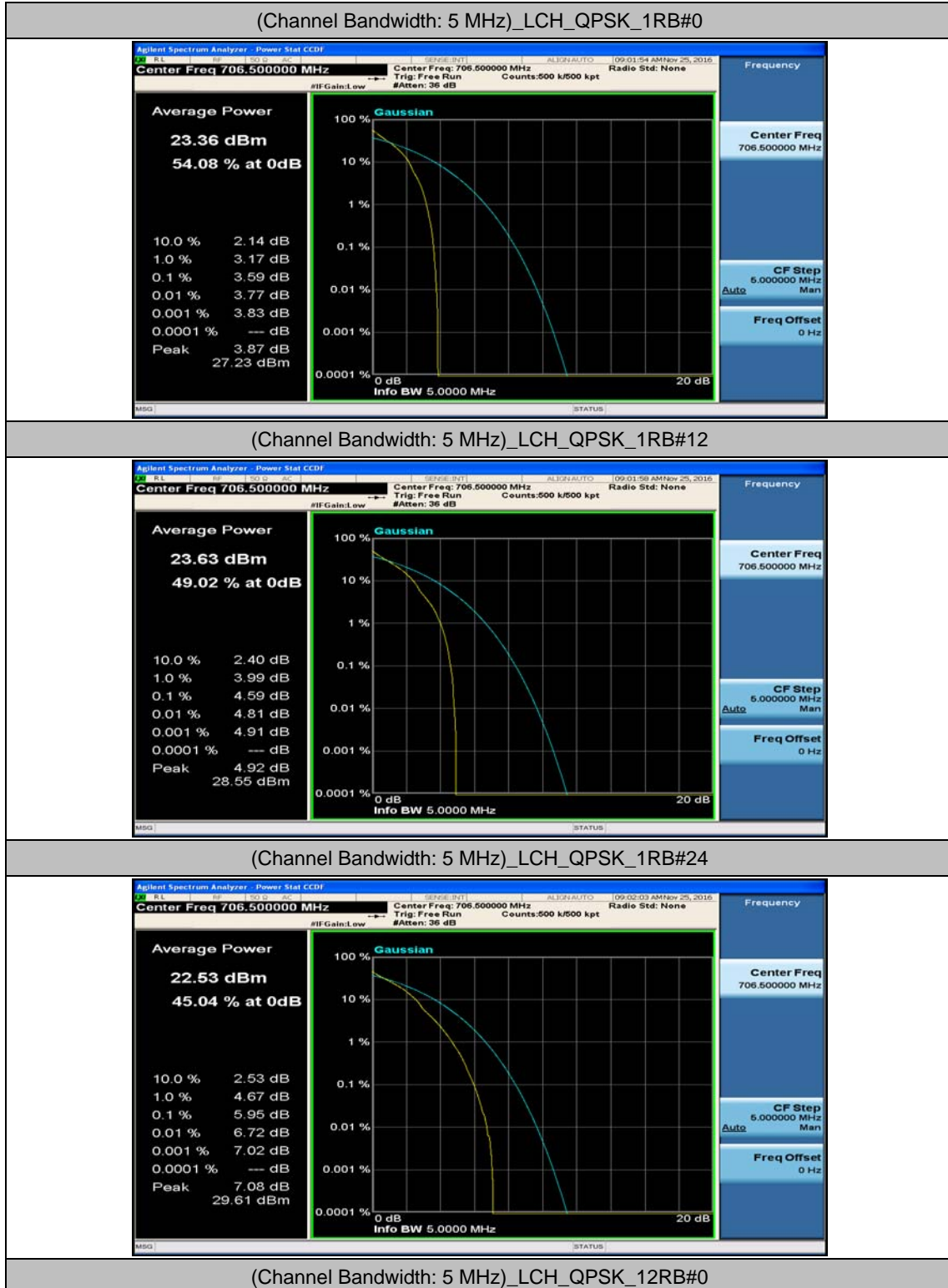
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.68	<13	PASS
		1	24	6.02	<13	PASS
		1	49	5.23	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.97	<13	PASS
		25	25	5.95	<13	PASS
		50	0	5.8	<13	PASS
	MCH	1	0	3.86	<13	PASS
		1	24	6.1	<13	PASS
		1	49	4.36	<13	PASS
		25	0	5.64	<13	PASS
		25	12	6.19	<13	PASS
		25	25	5.73	<13	PASS
		50	0	5.95	<13	PASS
	HCH	1	0	4.64	<13	PASS
		1	24	6.06	<13	PASS
		1	49	4.00	<13	PASS
		25	0	6.01	<13	PASS
		25	12	6.08	<13	PASS
		25	25	5.24	<13	PASS
		50	0	5.85	<13	PASS
16QAM	LCH	1	0	3.91	<13	PASS
		1	24	6.98	<13	PASS
		1	49	5.63	<13	PASS
		25	0	5.53	<13	PASS
		25	12	6.58	<13	PASS
		25	25	6.53	<13	PASS

		50	0	6.25	<13	PASS
	MCH	1	0	4.07	<13	PASS
		1	24	7.12	<13	PASS
		1	49	4.69	<13	PASS
		25	0	6.11	<13	PASS
		25	12	6.79	<13	PASS
		25	25	6.25	<13	PASS
		50	0	6.35	<13	PASS
		HCH	1	0	4.78	<13
	1		24	6.75	<13	PASS
	1		49	4.25	<13	PASS
	25		0	6.61	<13	PASS
	25		12	6.73	<13	PASS
	25		25	5.74	<13	PASS
	50		0	6.23	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz





(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



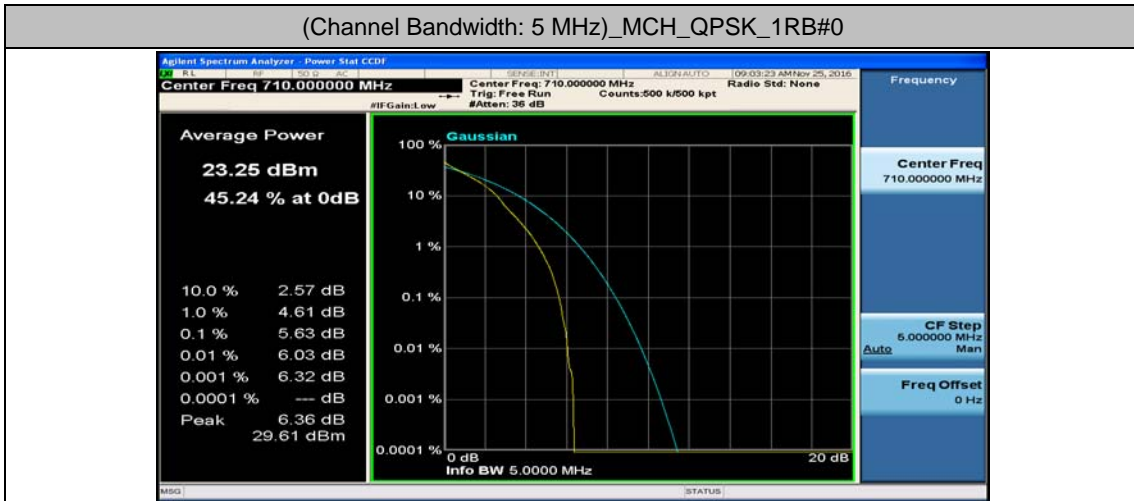
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



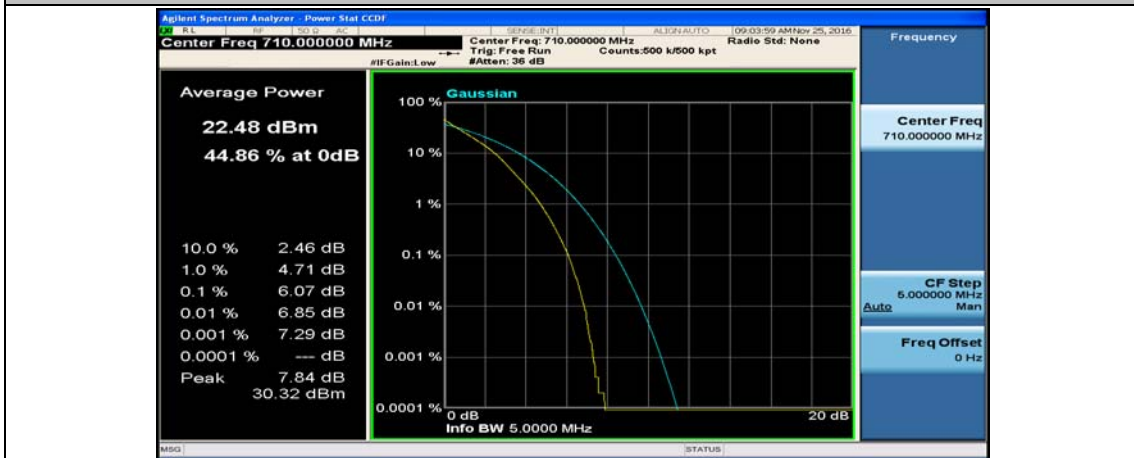
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



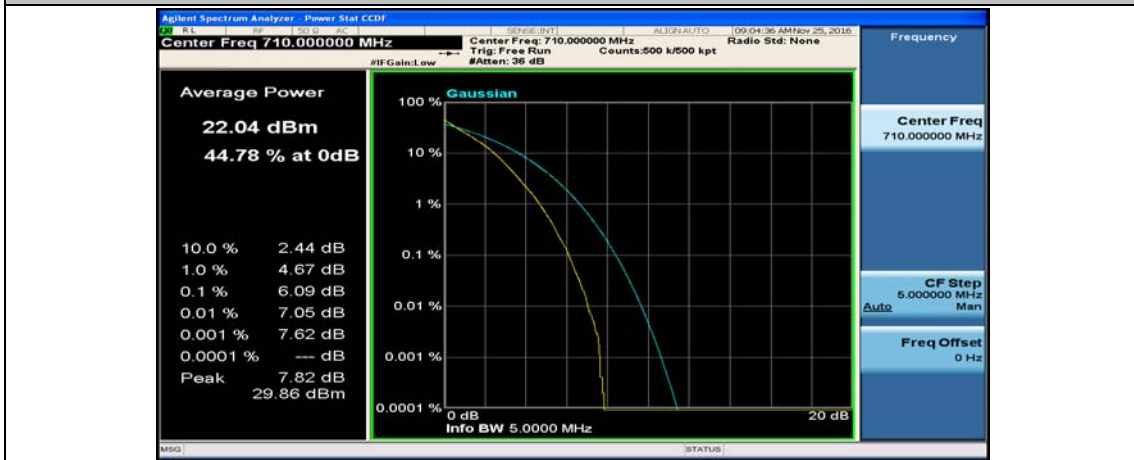
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



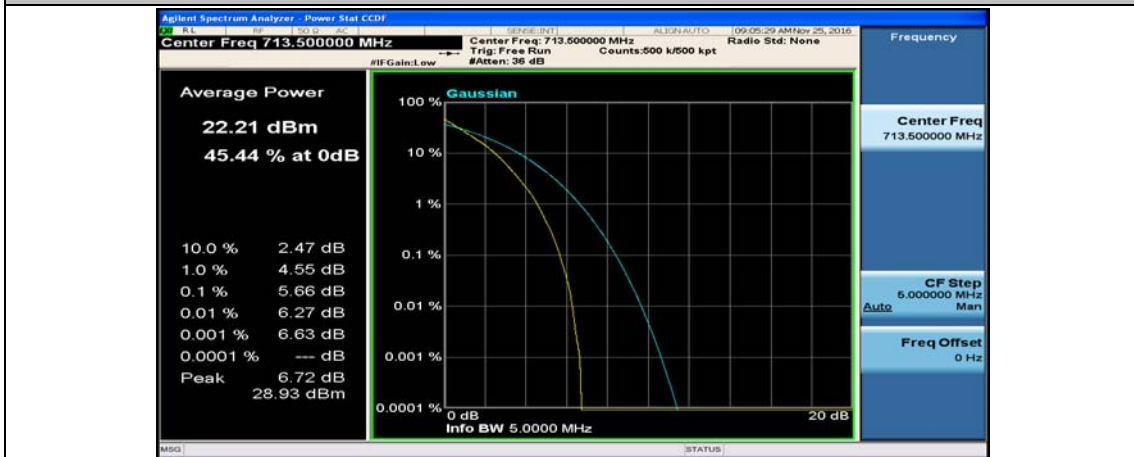
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



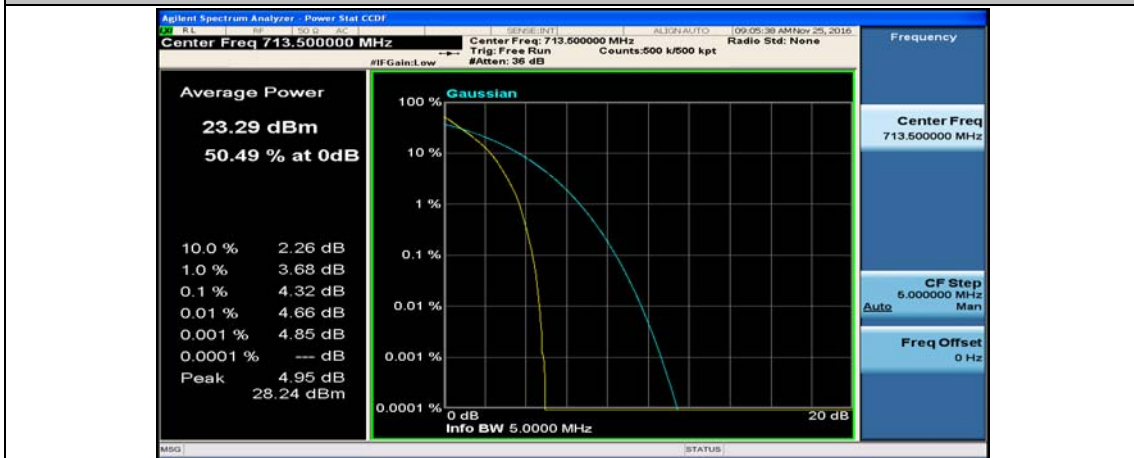
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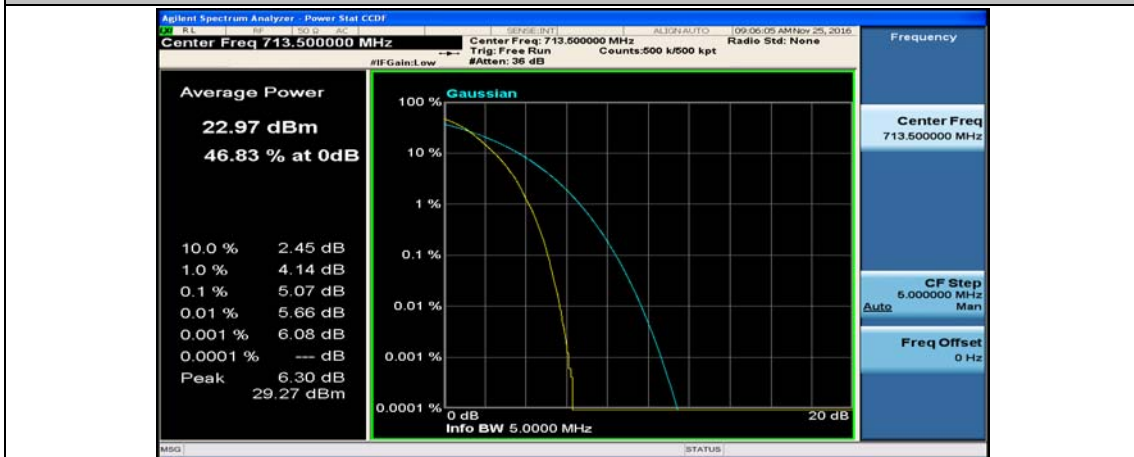
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



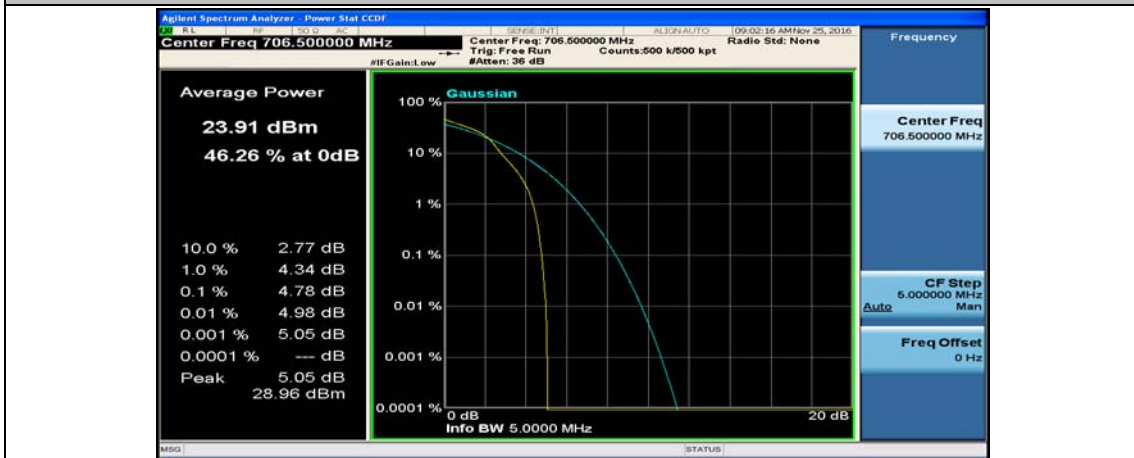
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



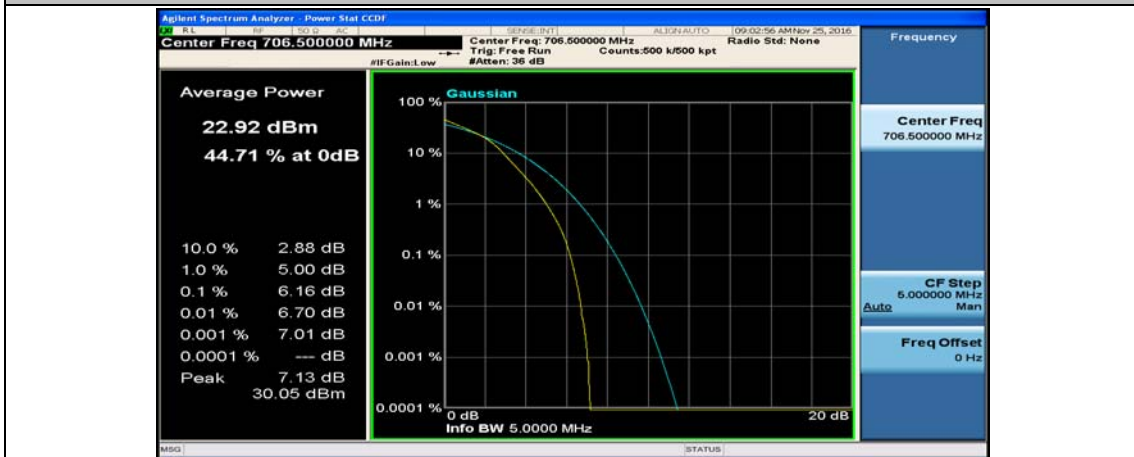
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



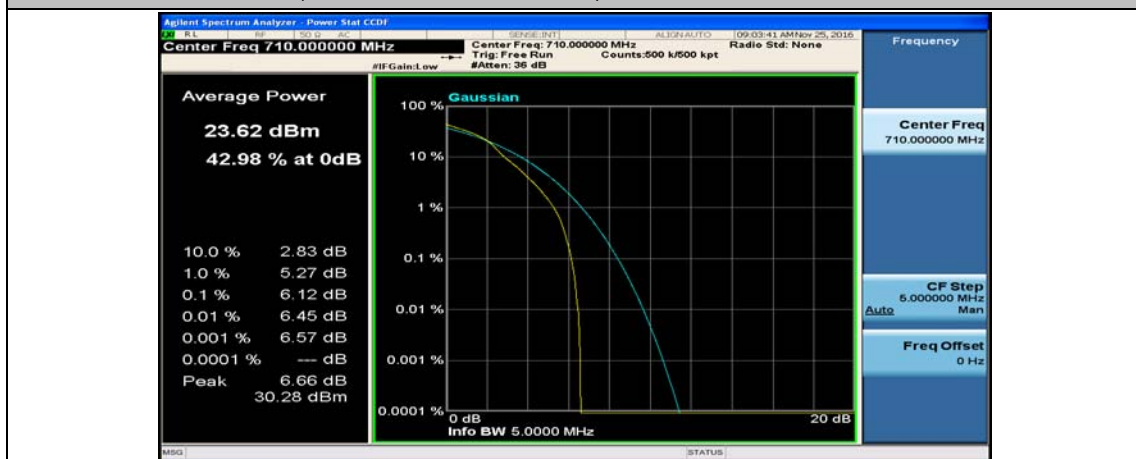
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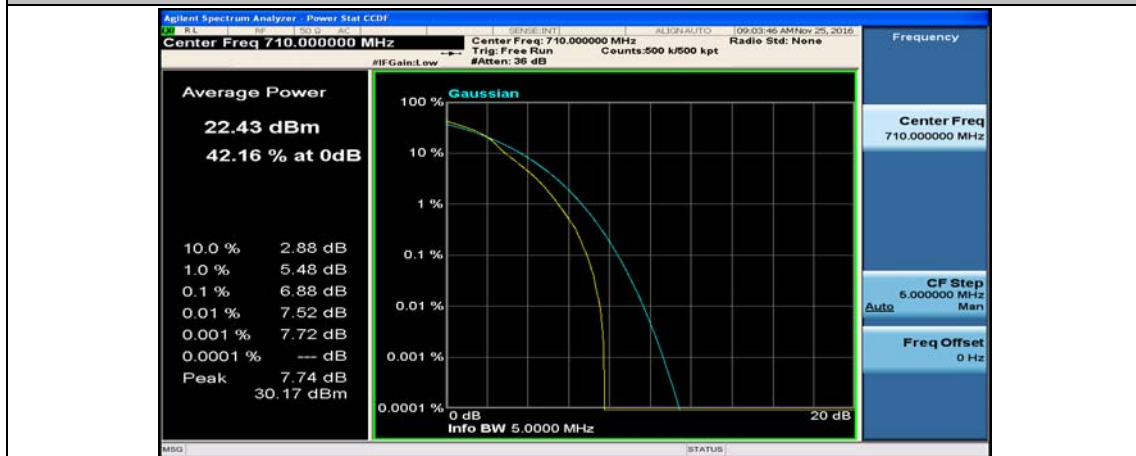
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



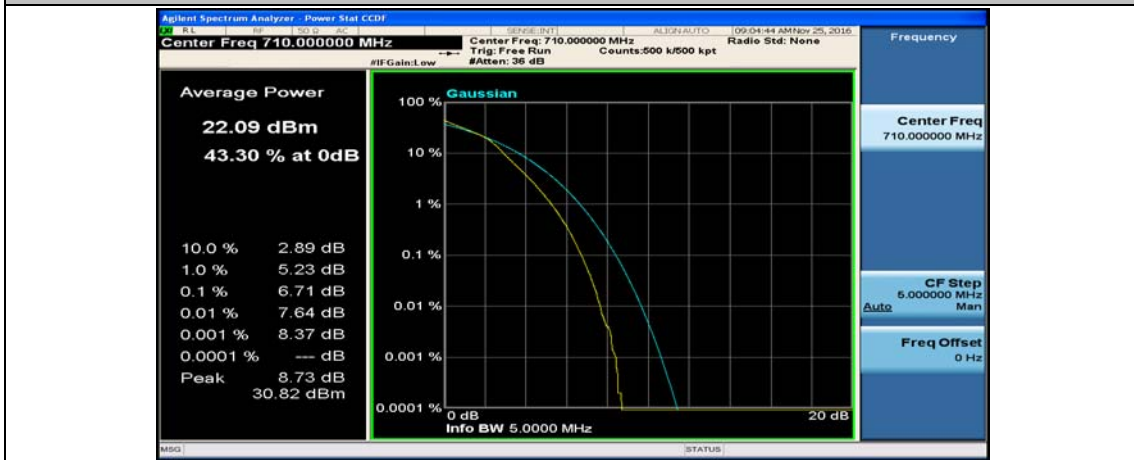
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



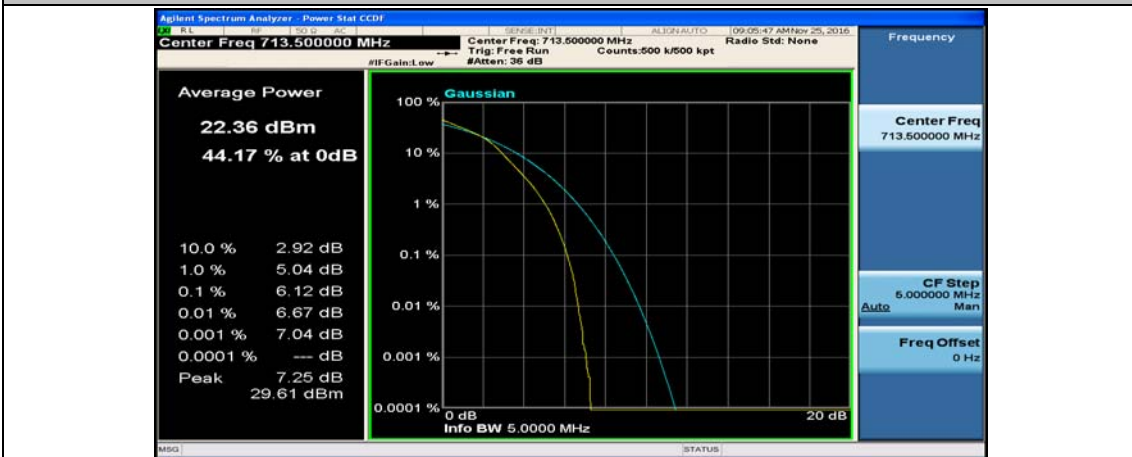
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



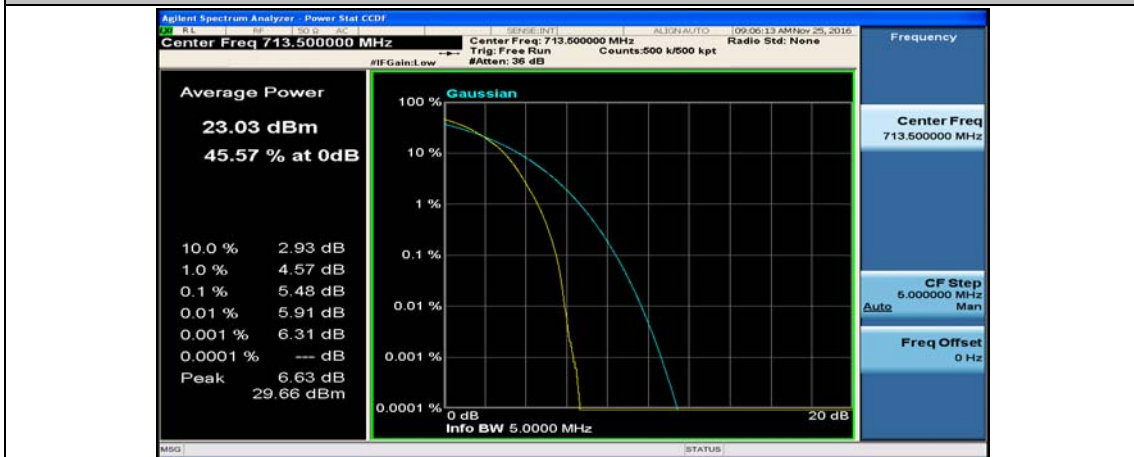
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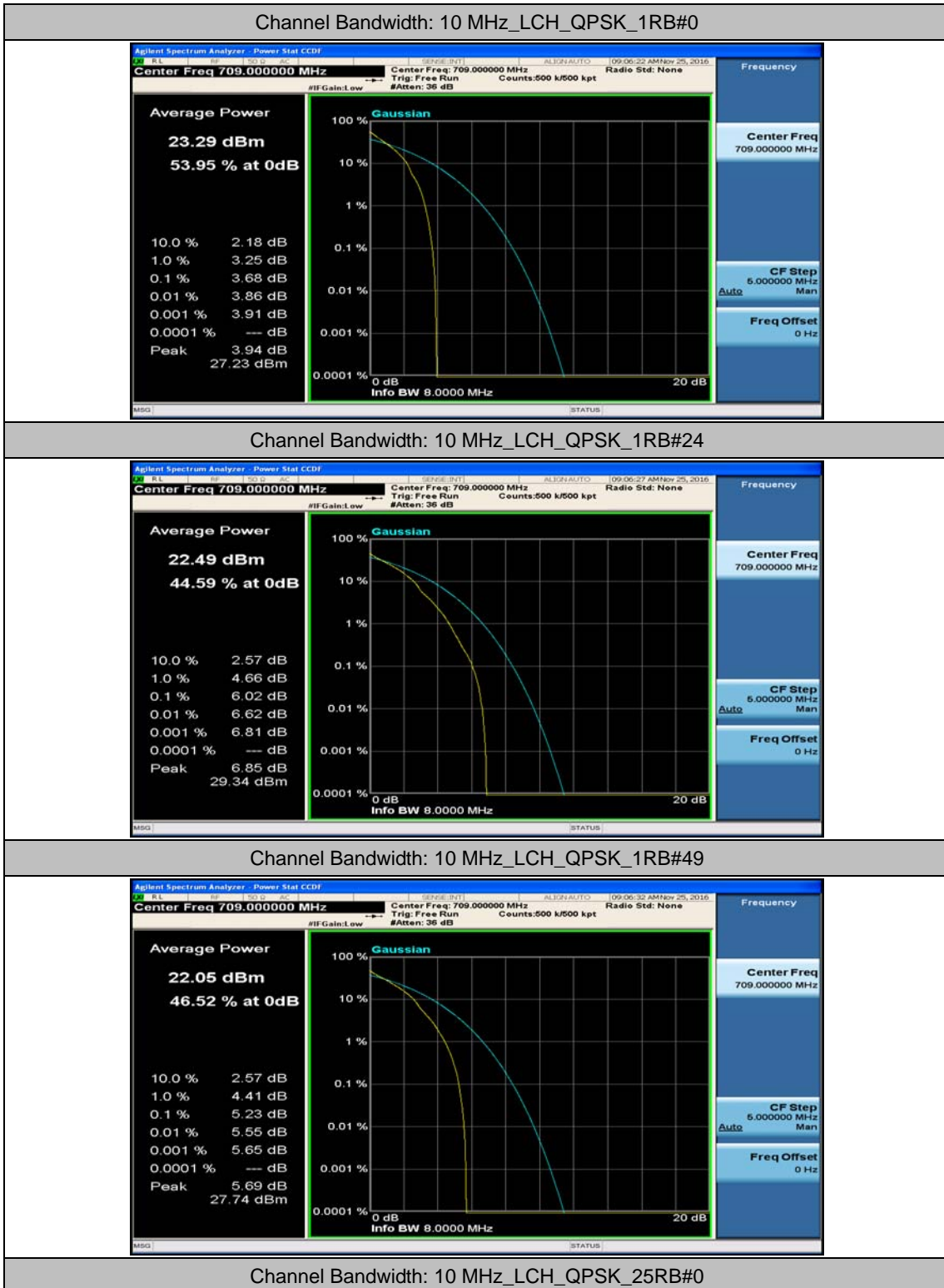
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

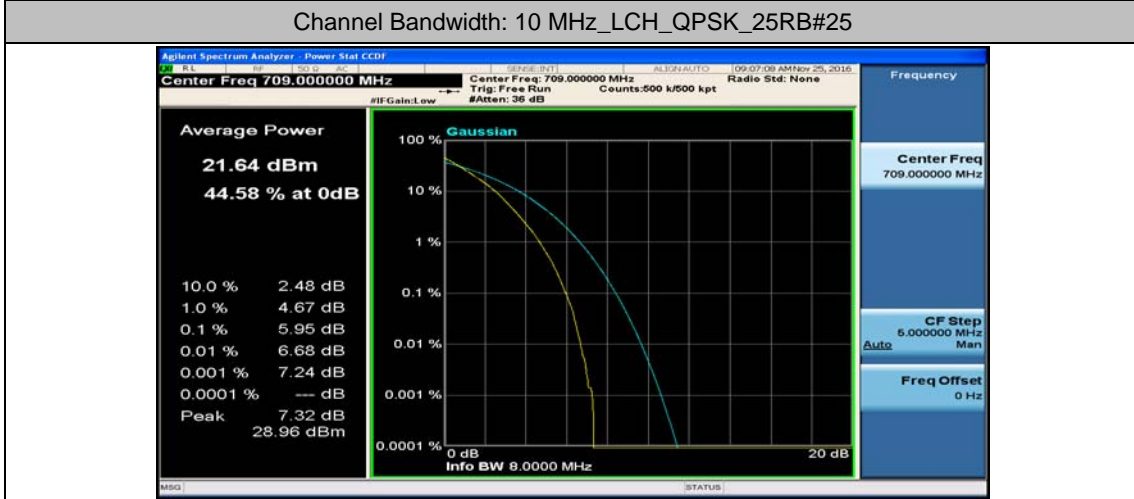
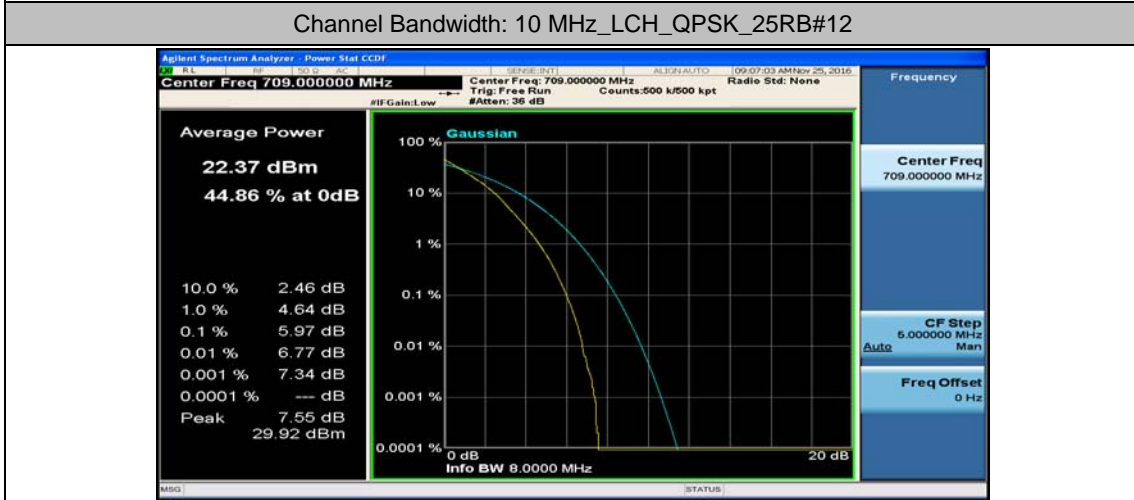


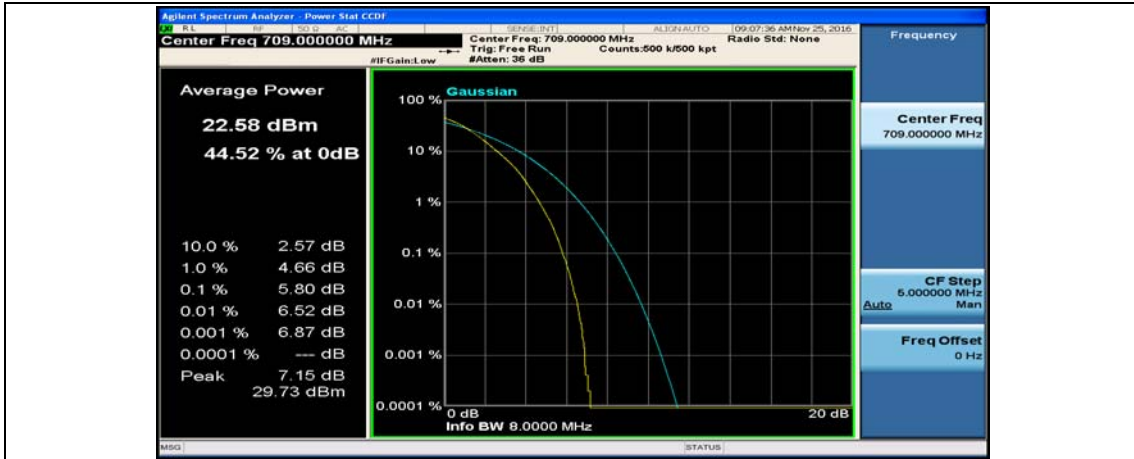
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



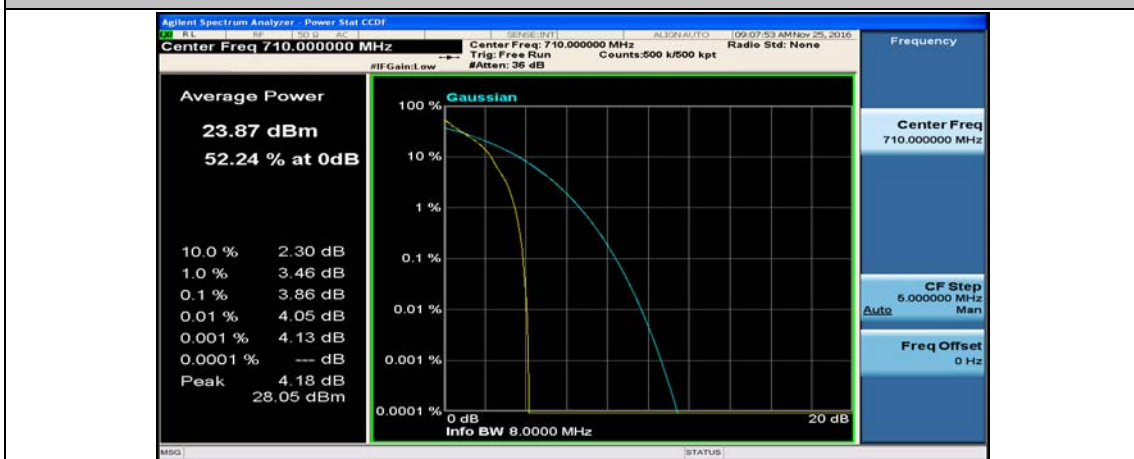
Channel Bandwidth: 10 MHz







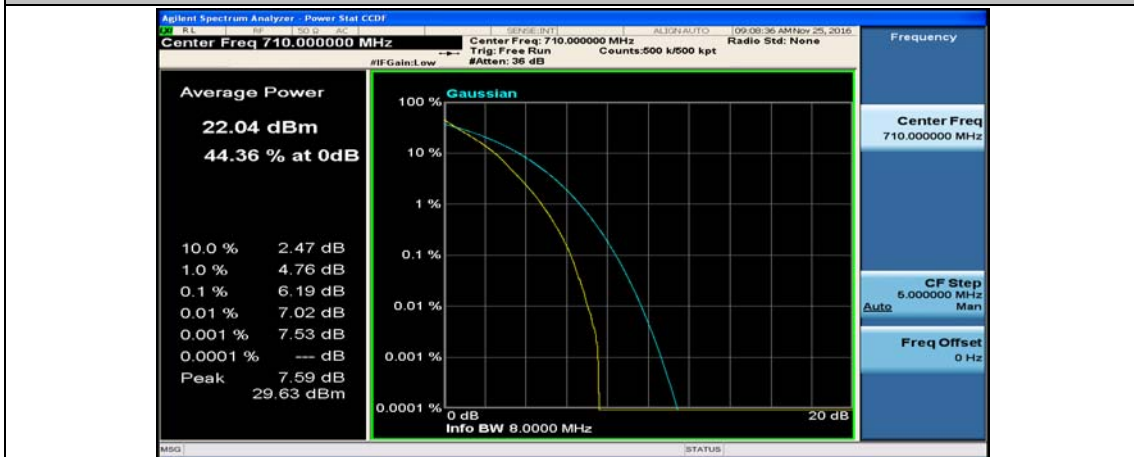
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

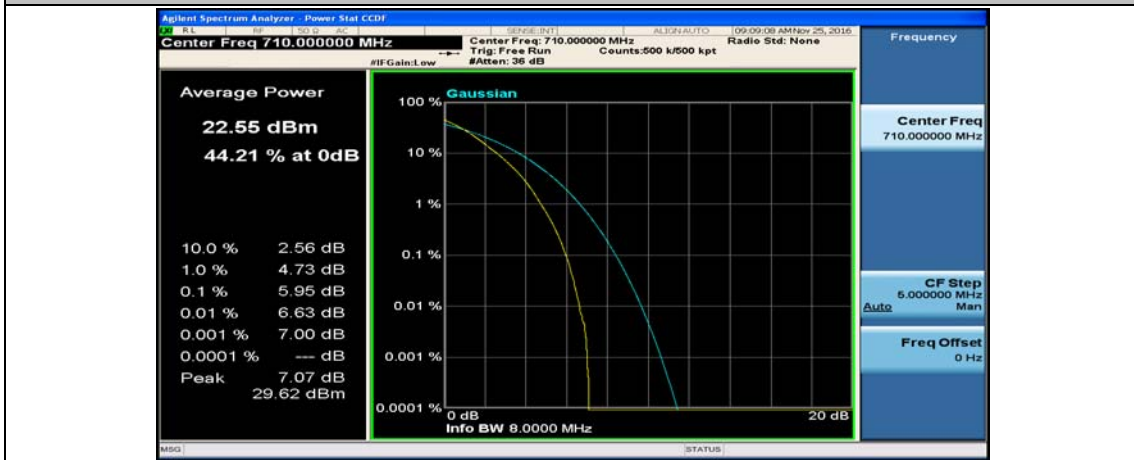


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49





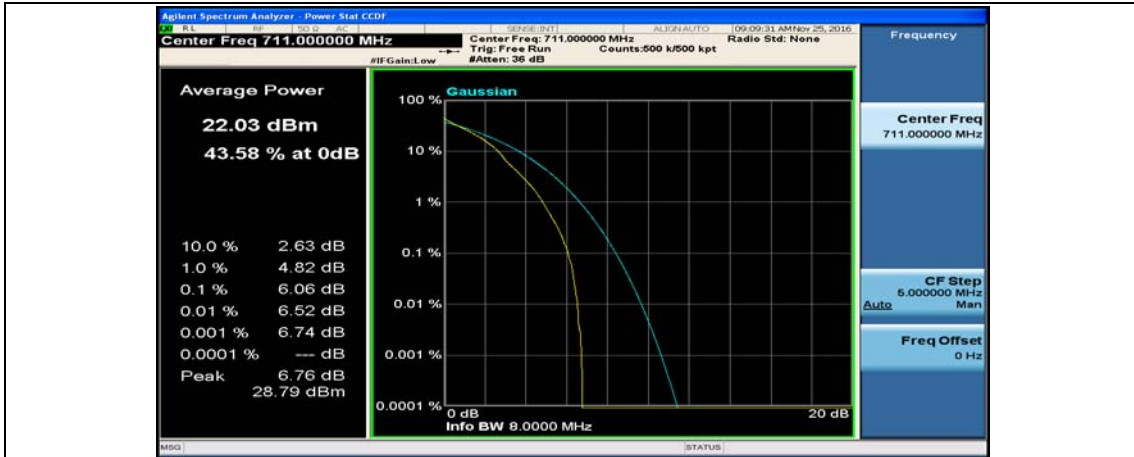
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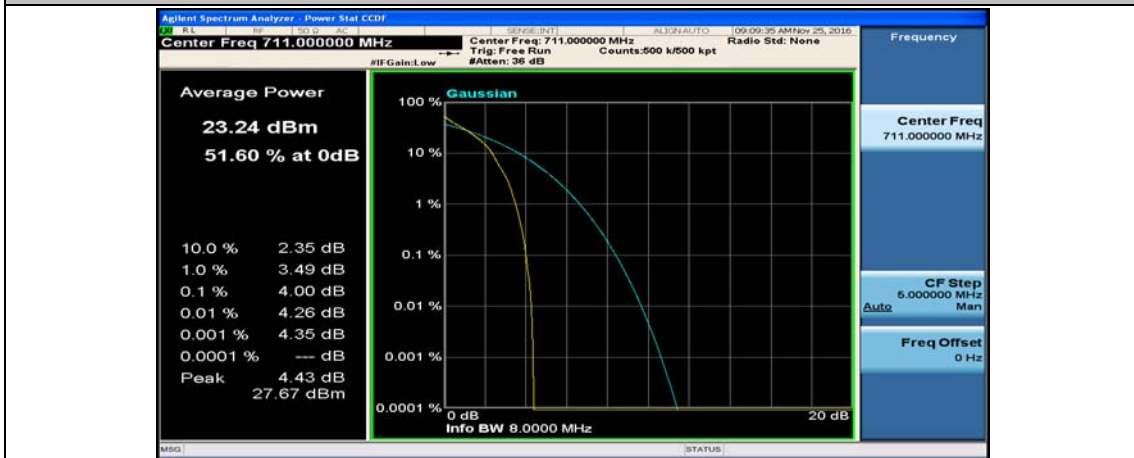
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



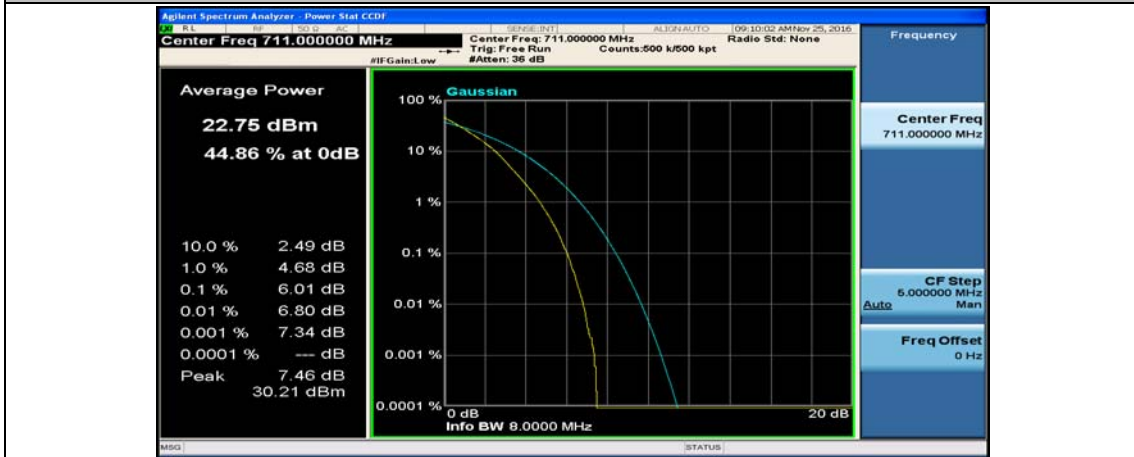
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



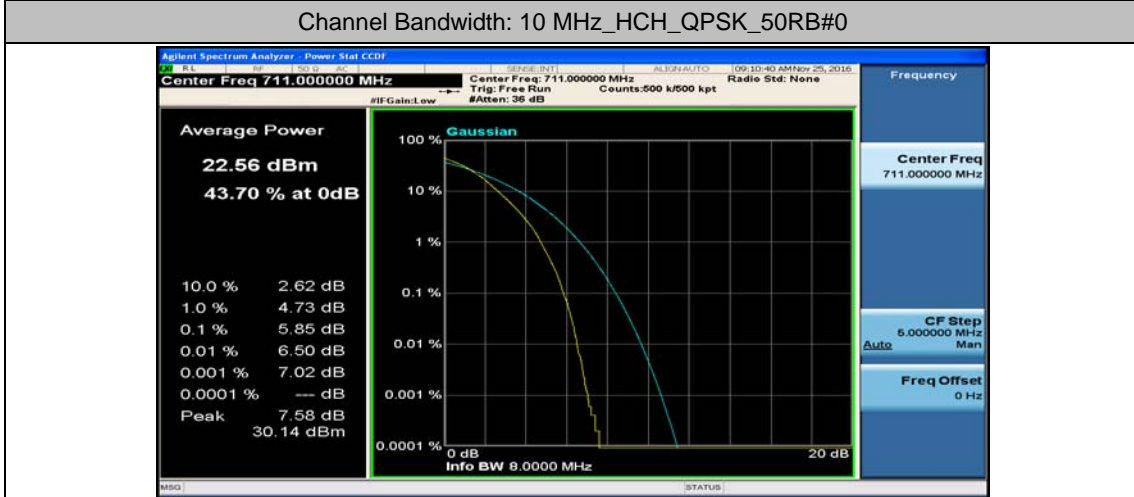
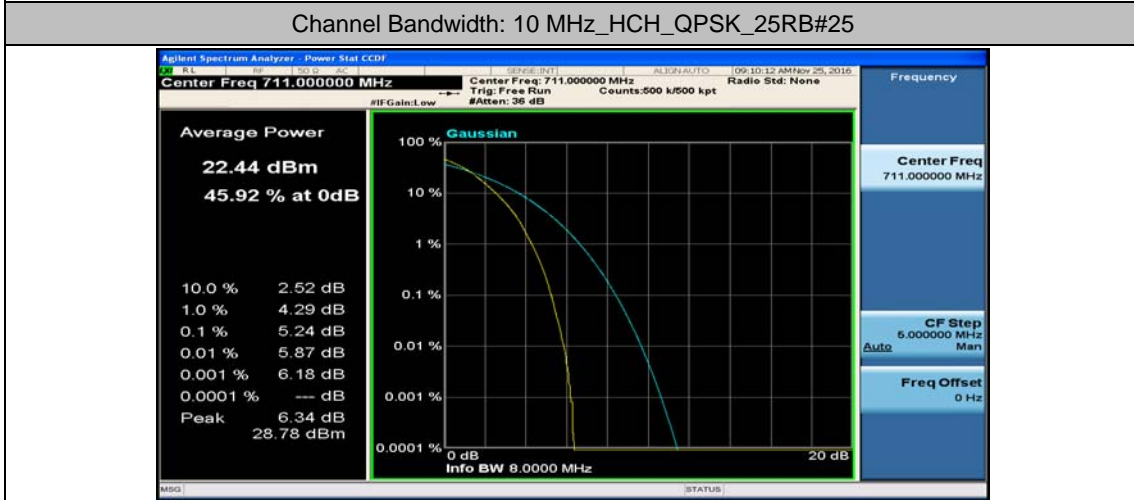
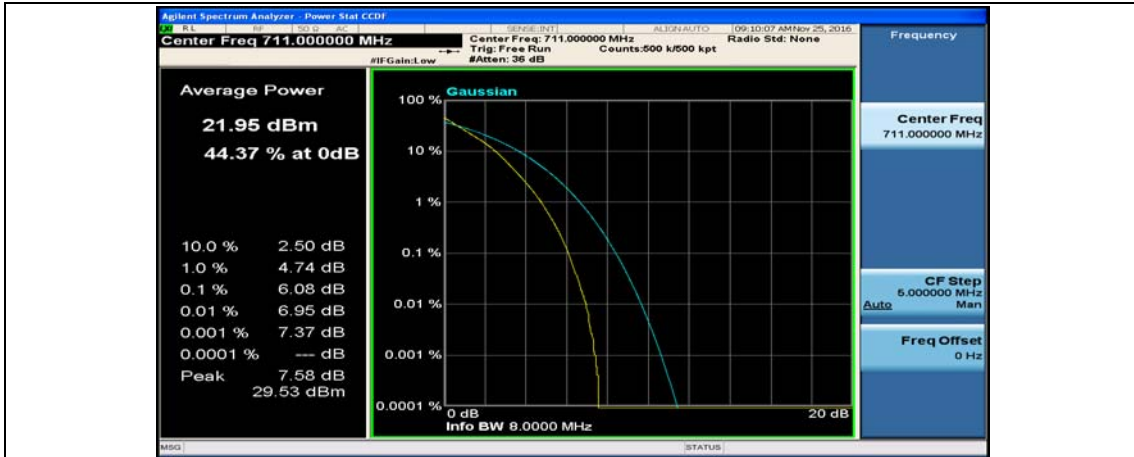
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



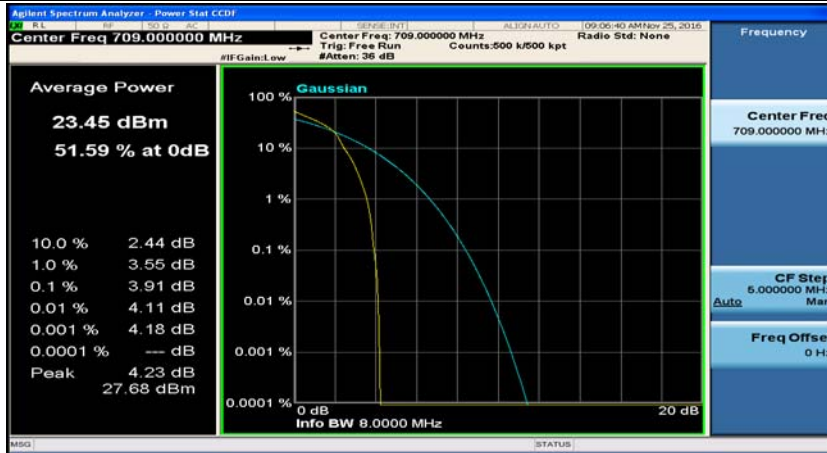
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

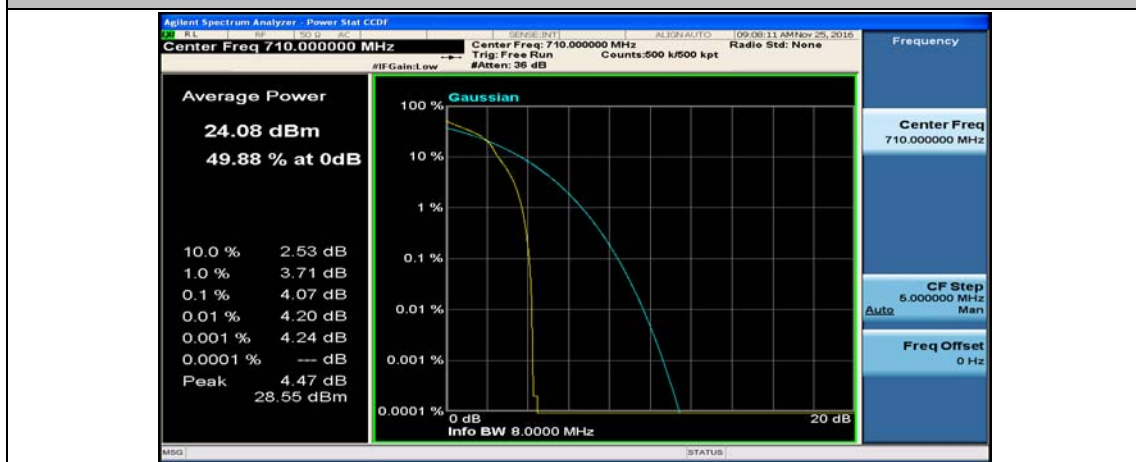


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





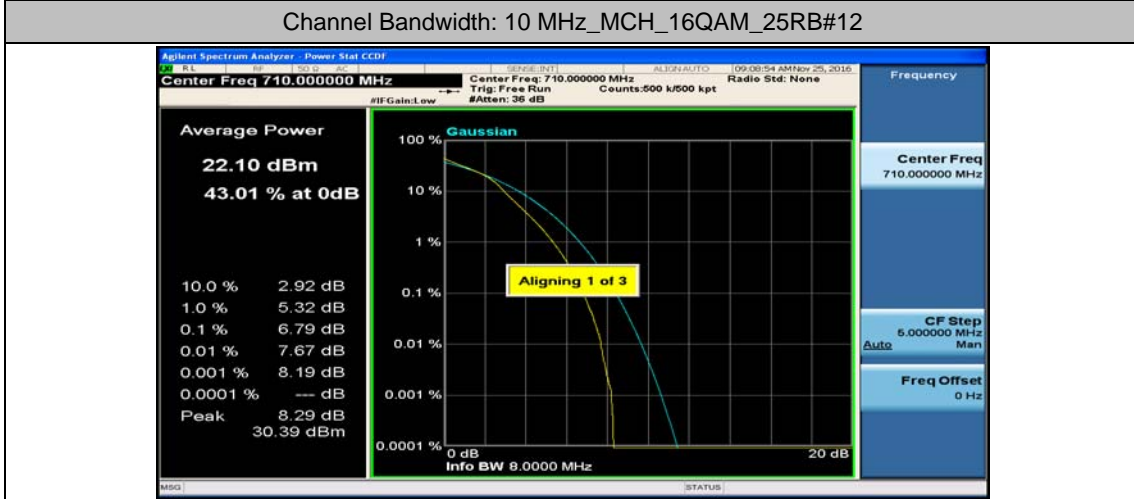
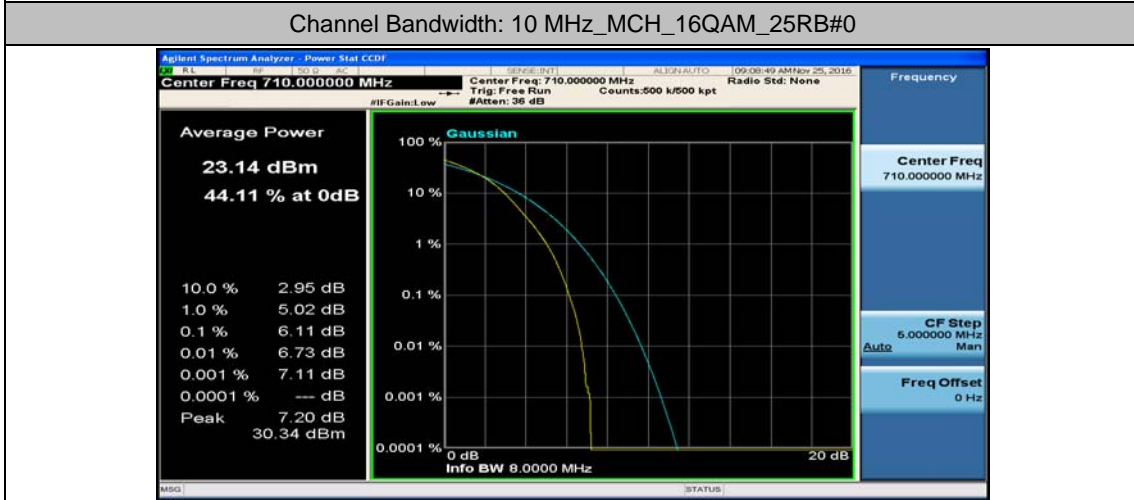
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

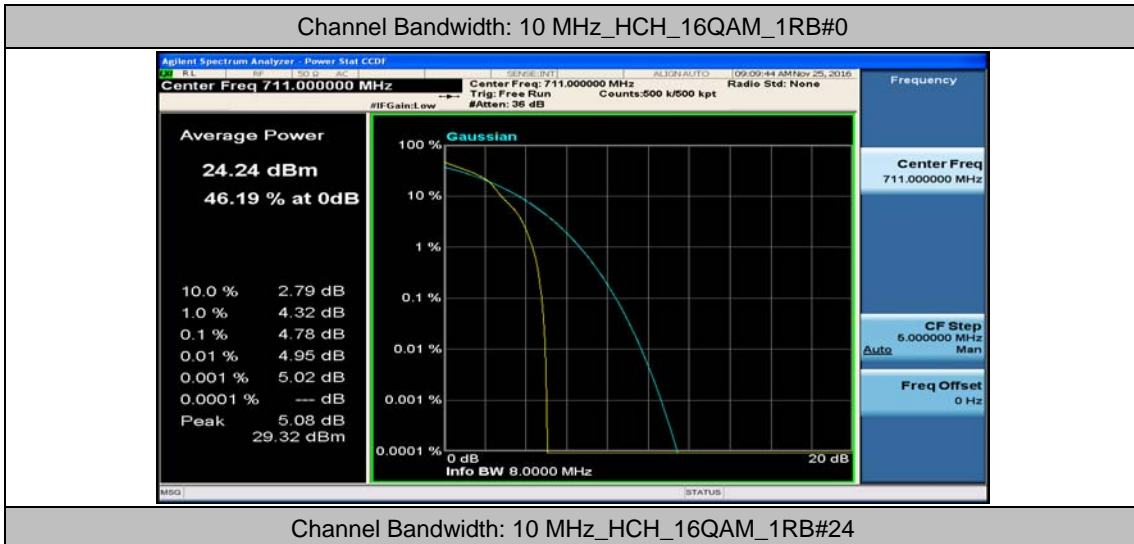
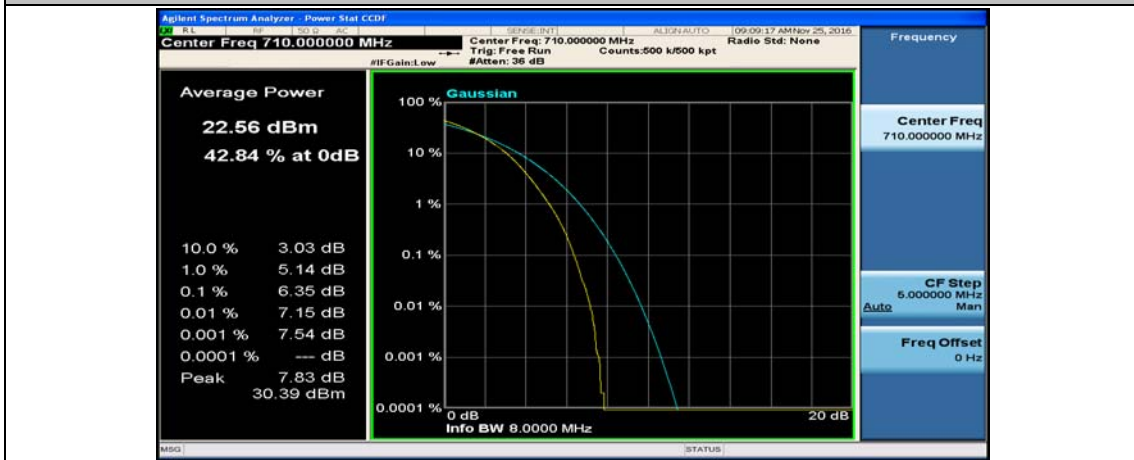


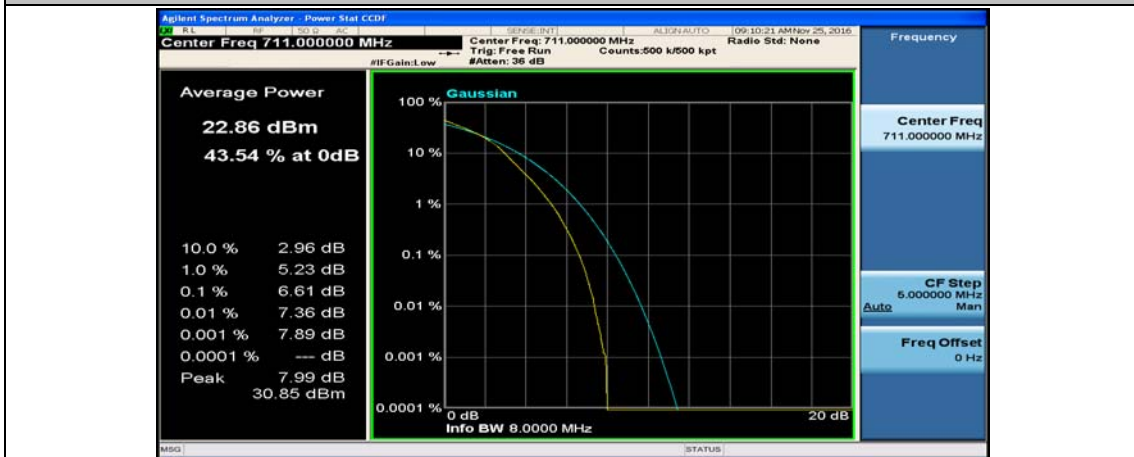
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

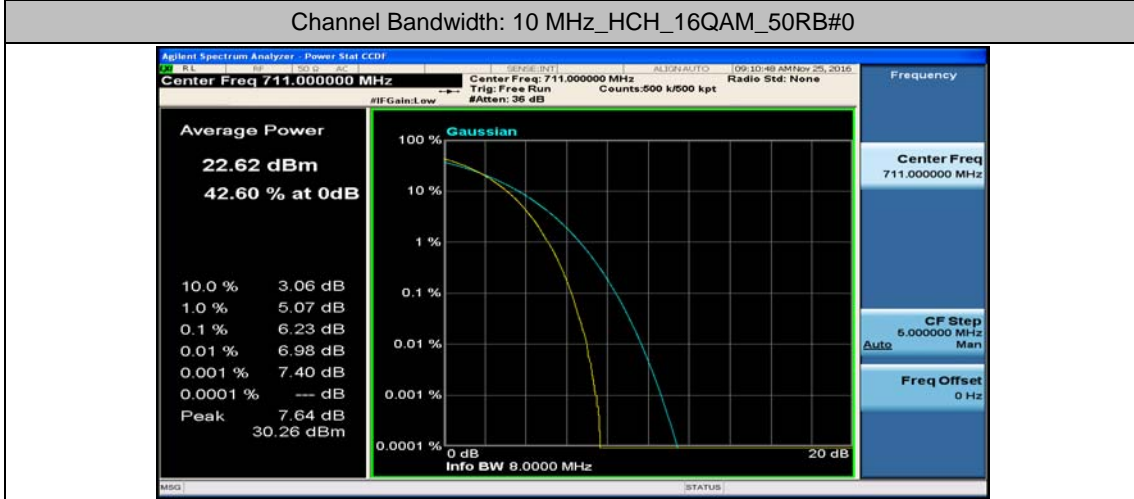
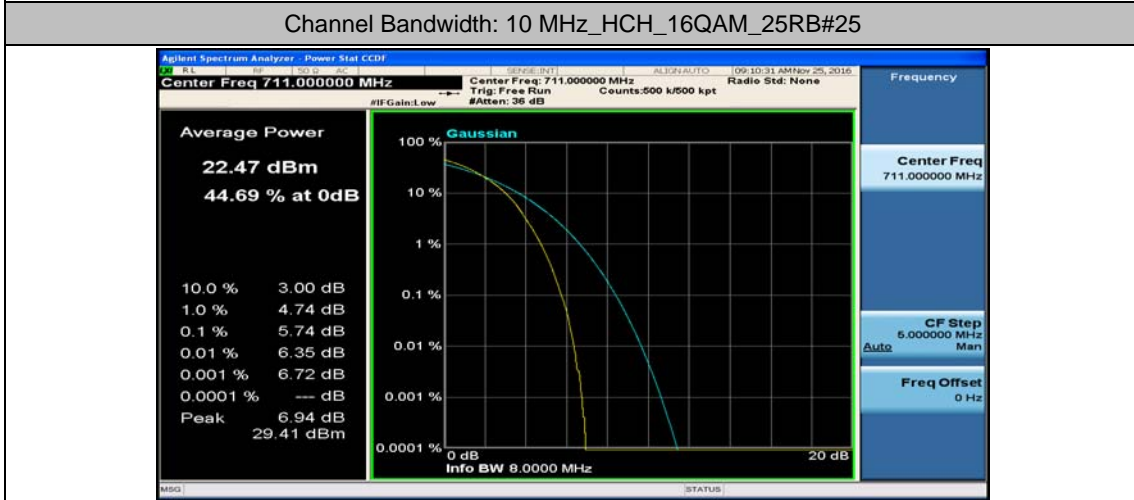


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









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	25	0	4.4735	4.862	PASS
	MCH	25	0	4.4901	4.936	PASS
	HCH	25	0	4.4590	4.802	PASS
16QAM	LCH	25	0	4.4780	4.846	PASS
	MCH	25	0	4.4898	4.900	PASS
	HCH	25	0	4.4665	4.811	PASS

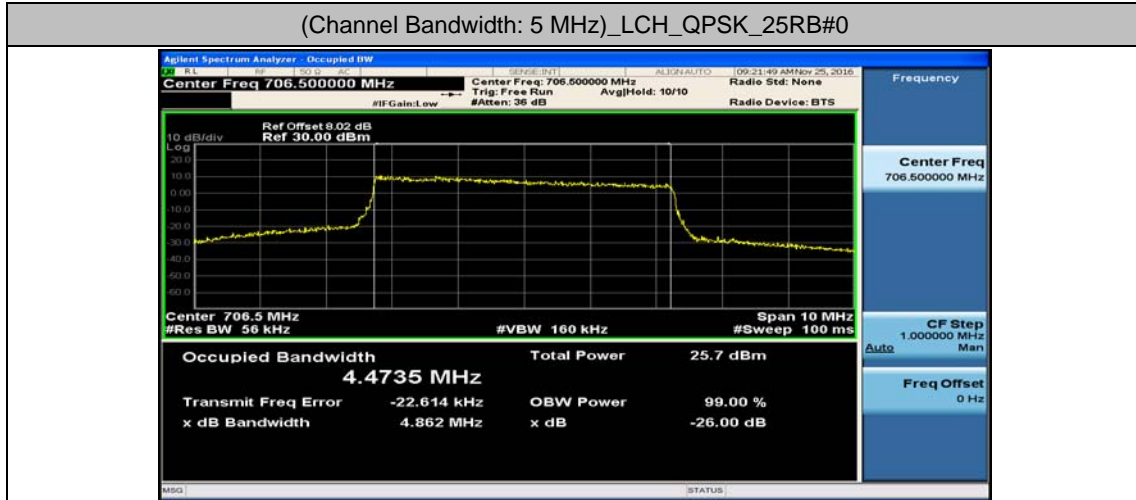
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9972	9.751	PASS
	MCH	50	0	9.0121	9.600	PASS
	HCH	50	0	8.9863	9.593	PASS
16QAM	LCH	50	0	9.0040	9.654	PASS
	MCH	50	0	9.0179	9.620	PASS
	HCH	50	0	8.9867	9.671	PASS

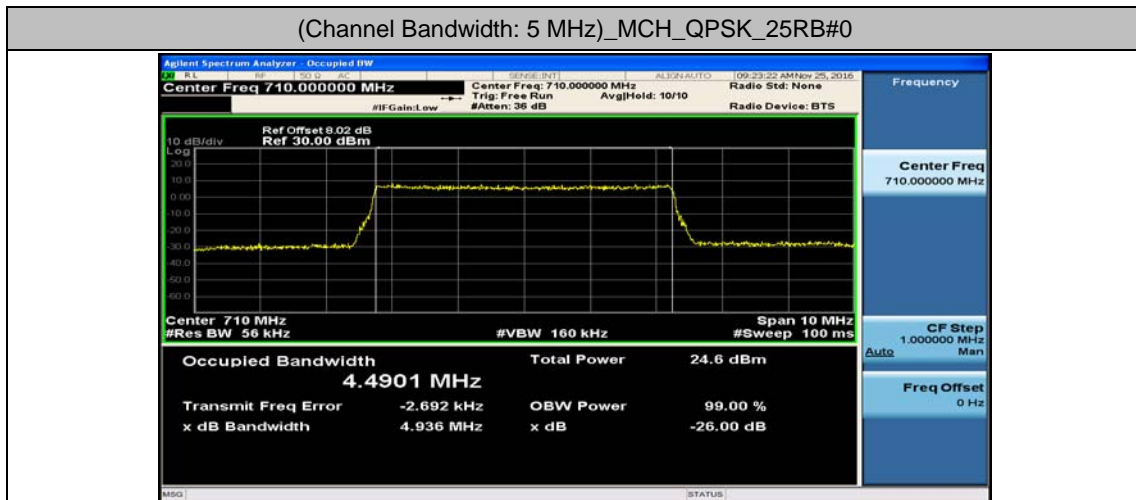
Test Graphs

Channel Bandwidth: 5 MHz

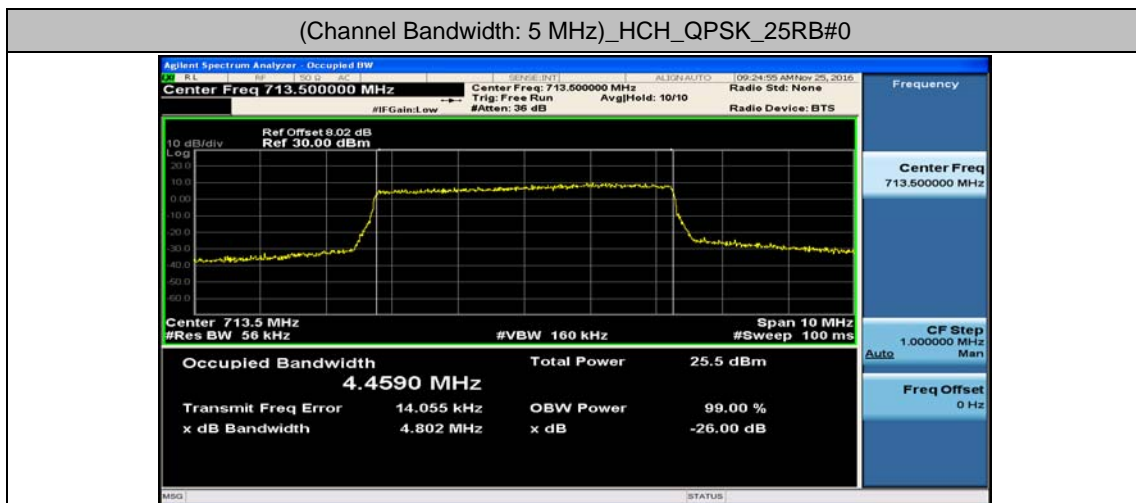
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



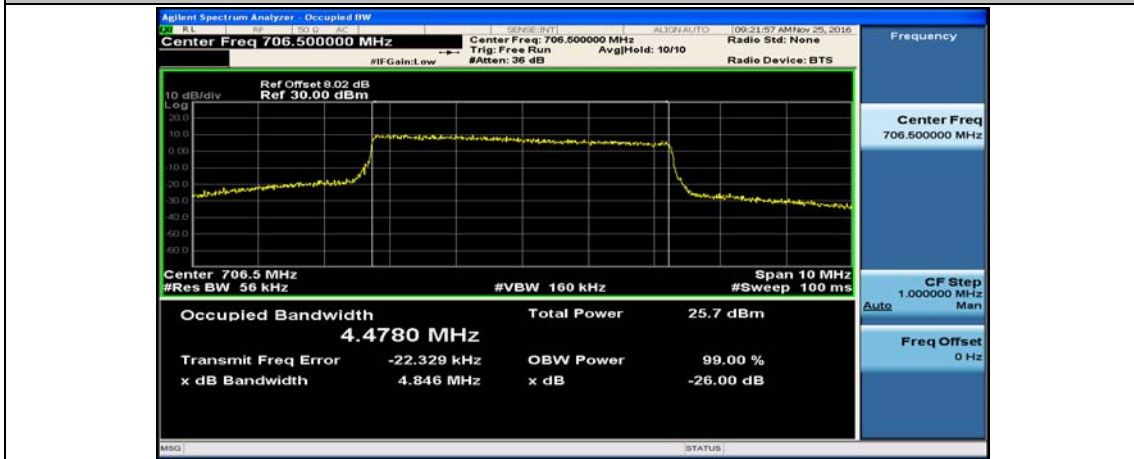
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



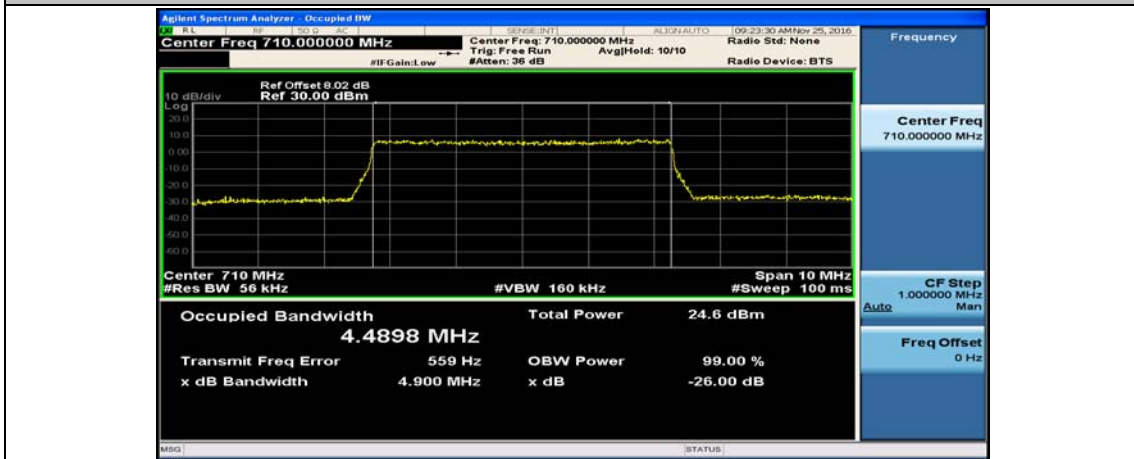
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

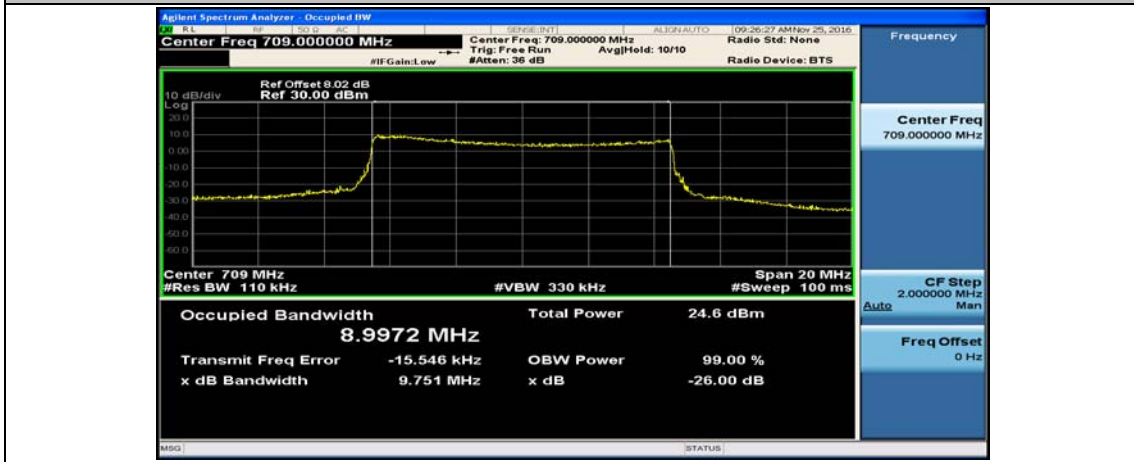


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

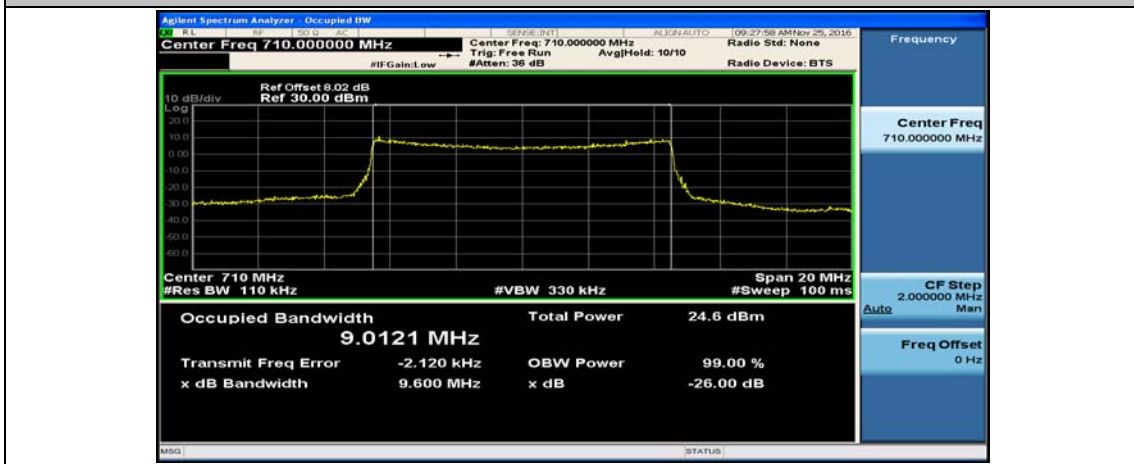


Channel Bandwidth: 10 MHz

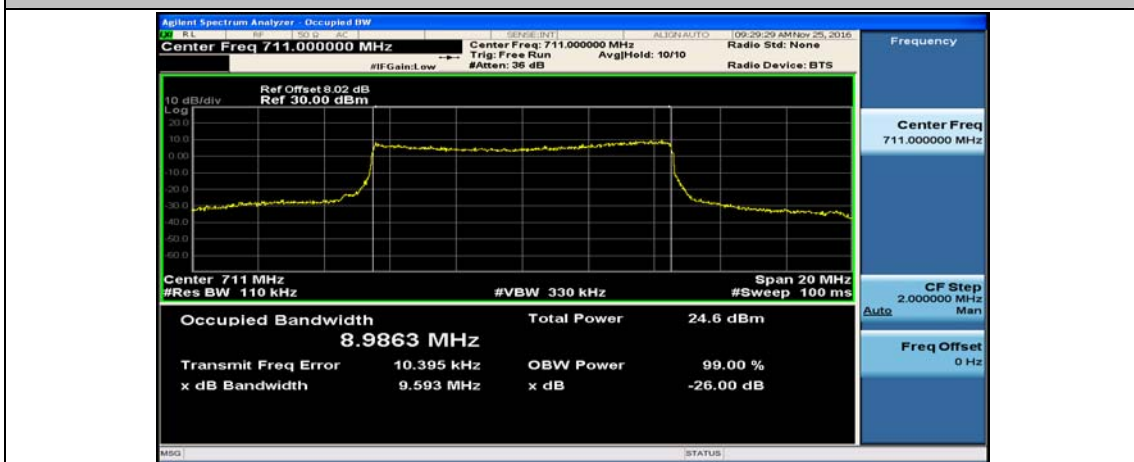
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



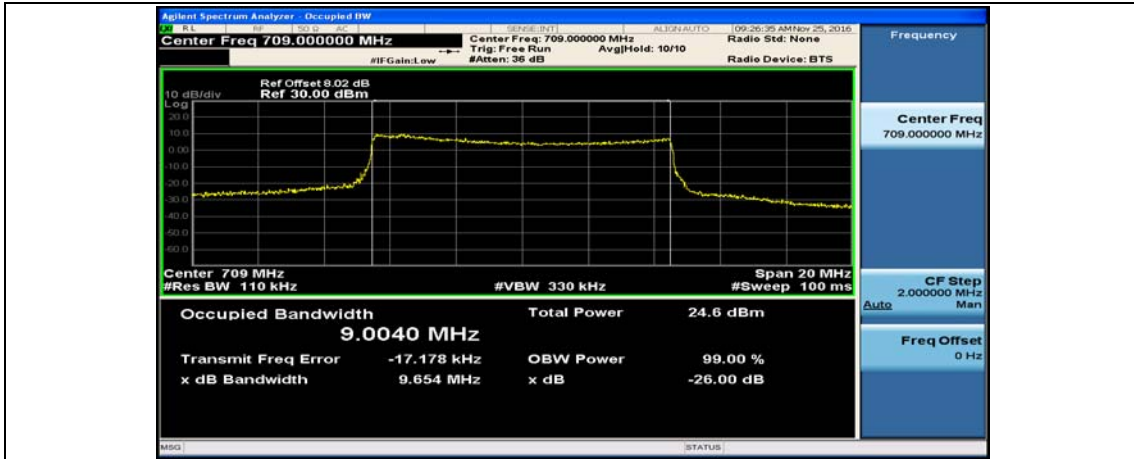
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



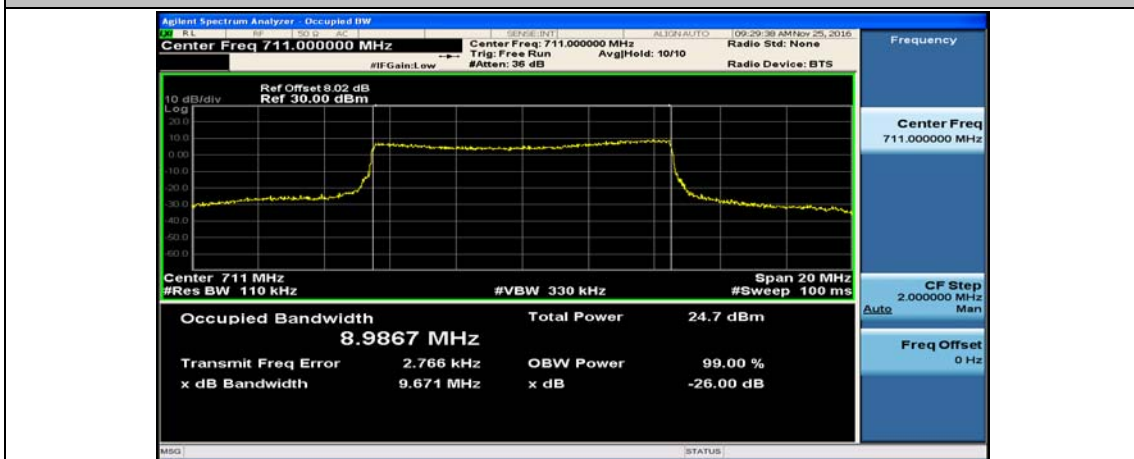
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

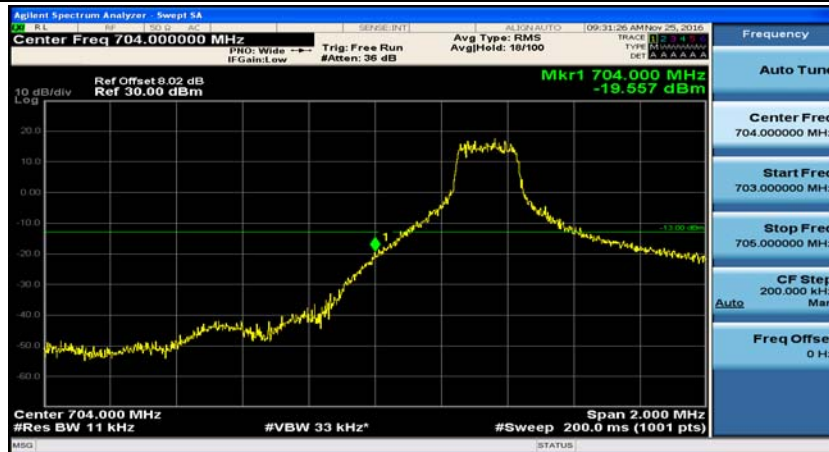


Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



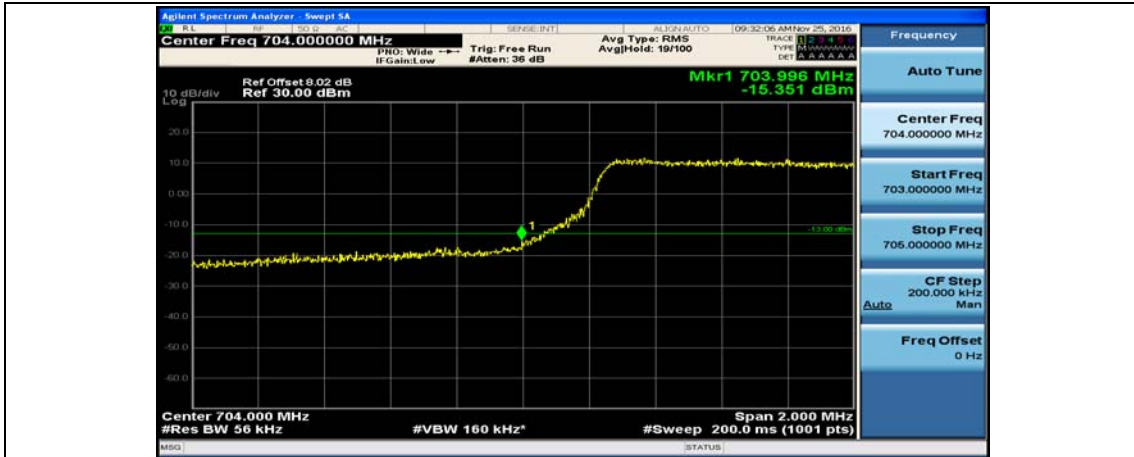
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



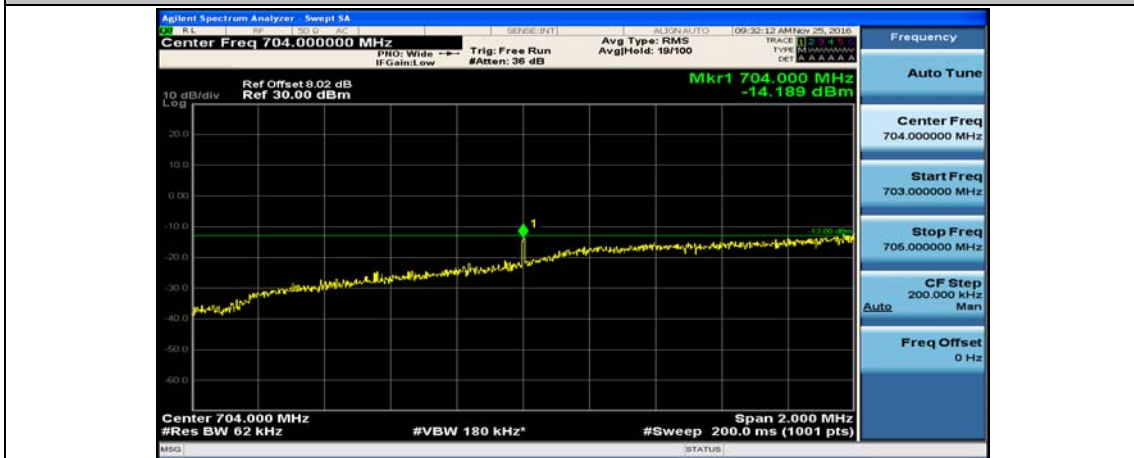
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



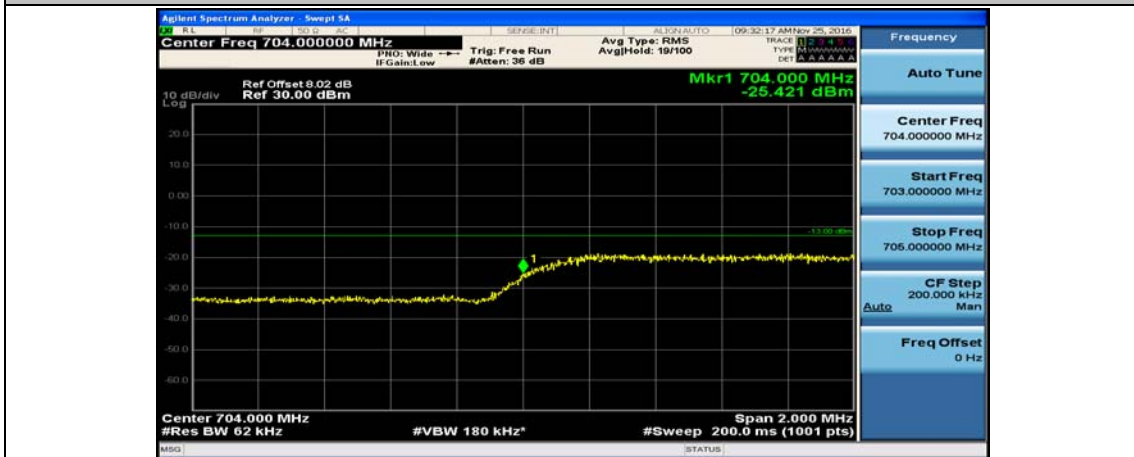
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



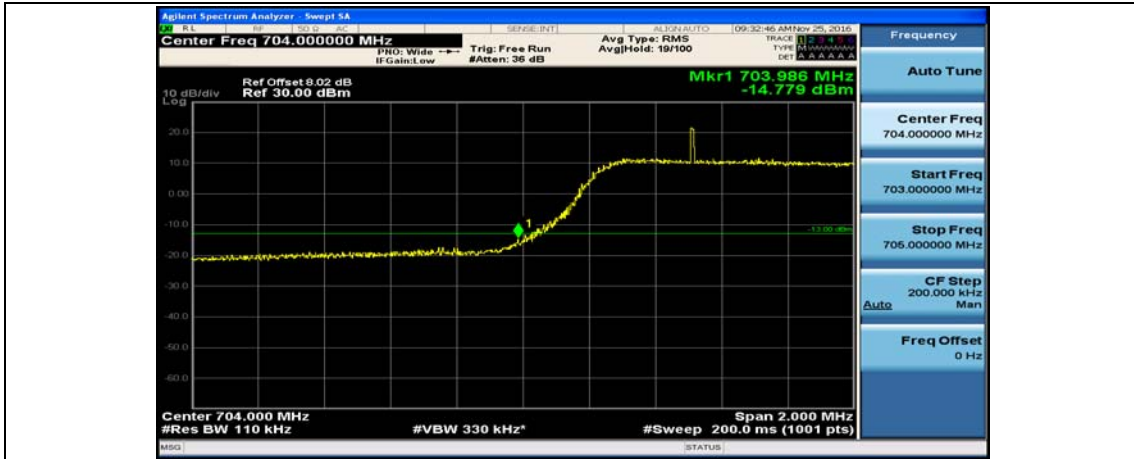
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



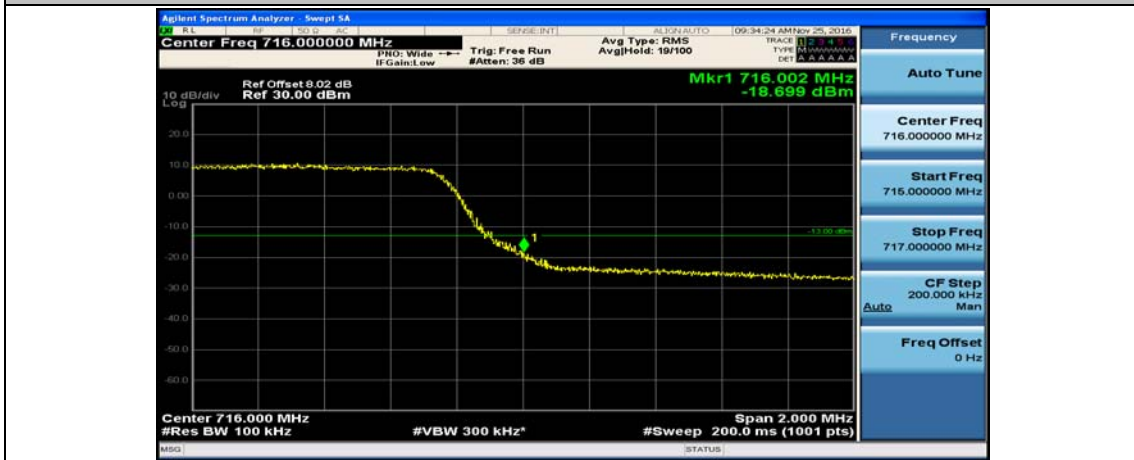
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



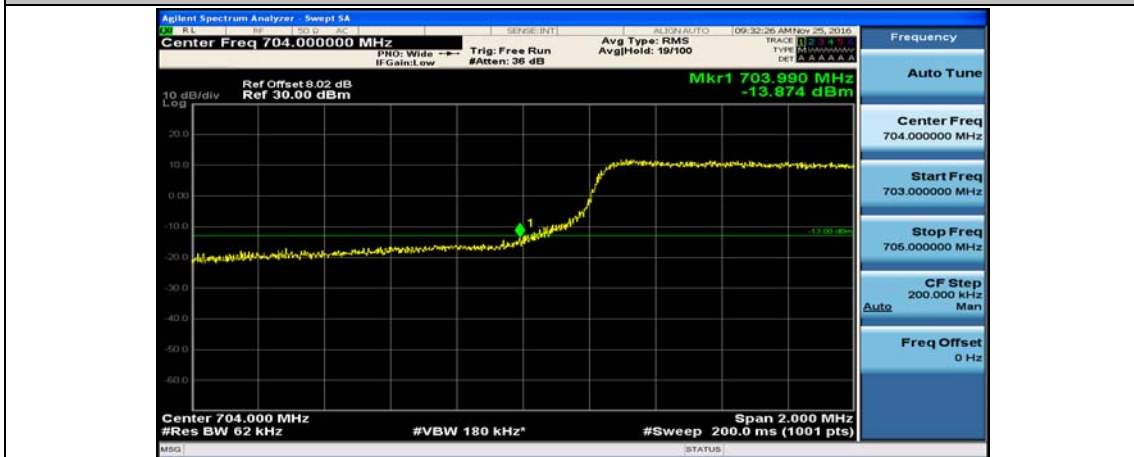
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



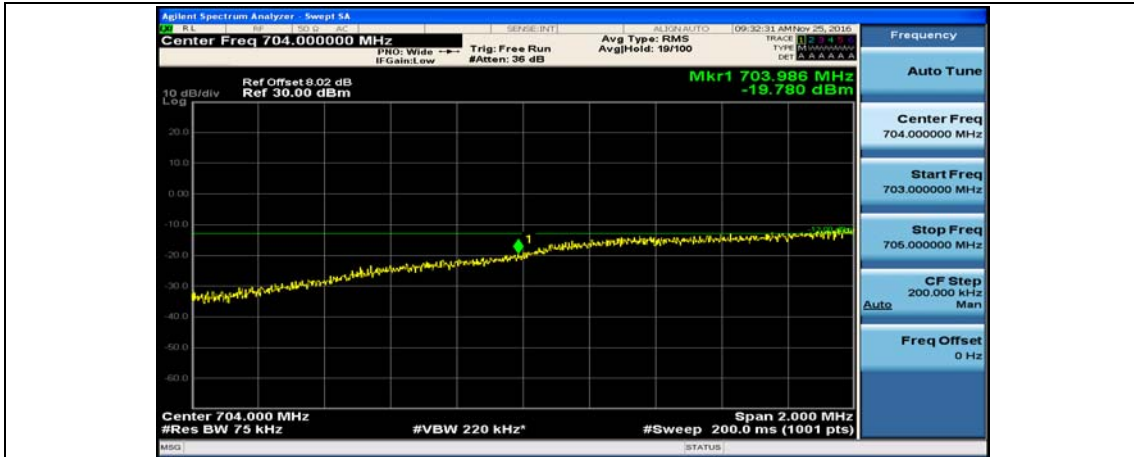
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



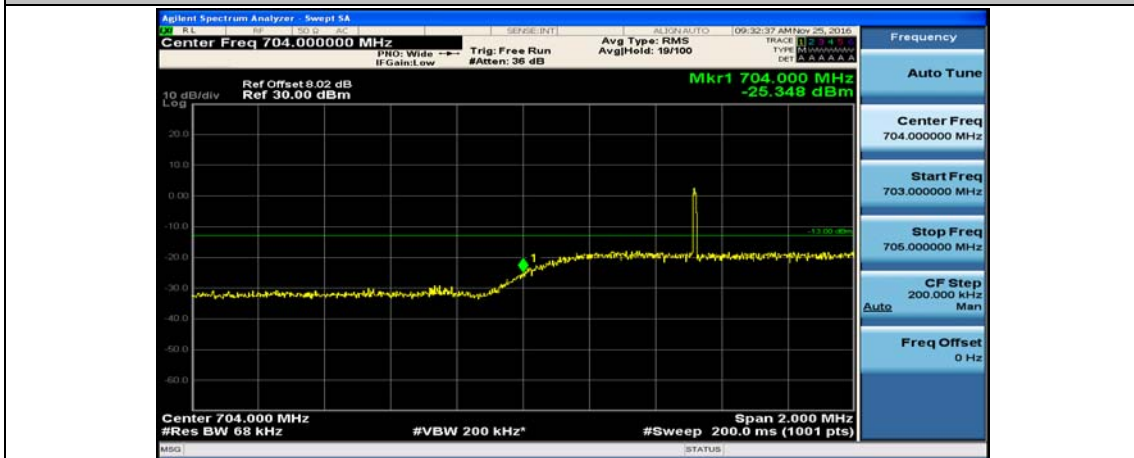
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



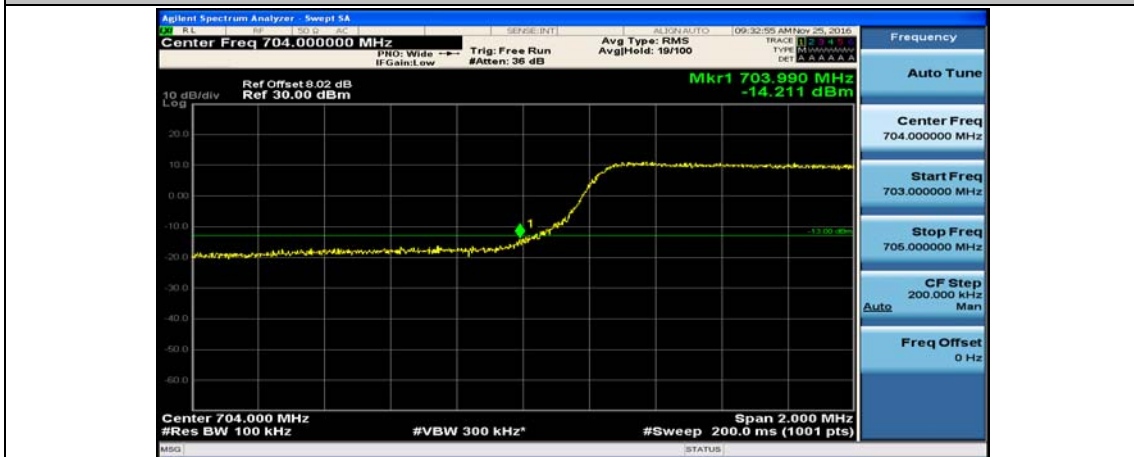
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



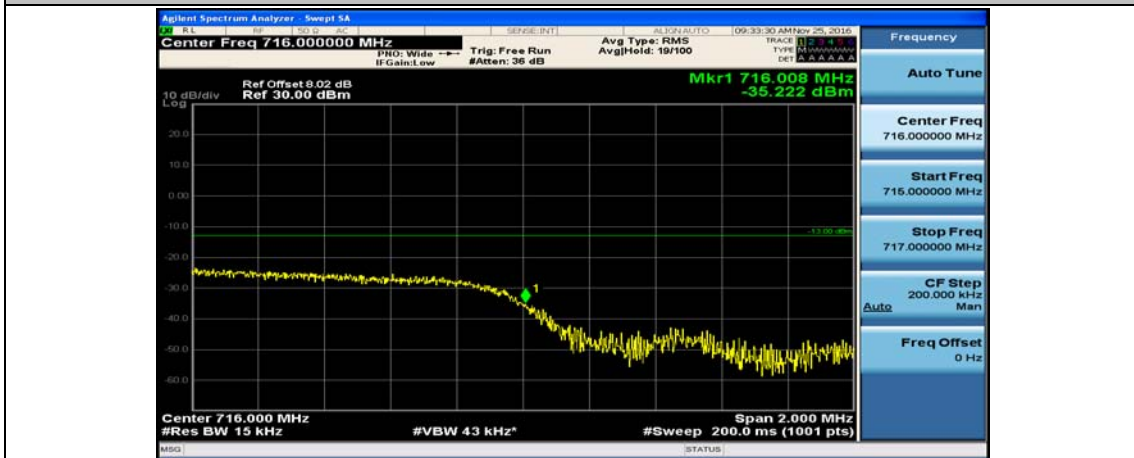
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



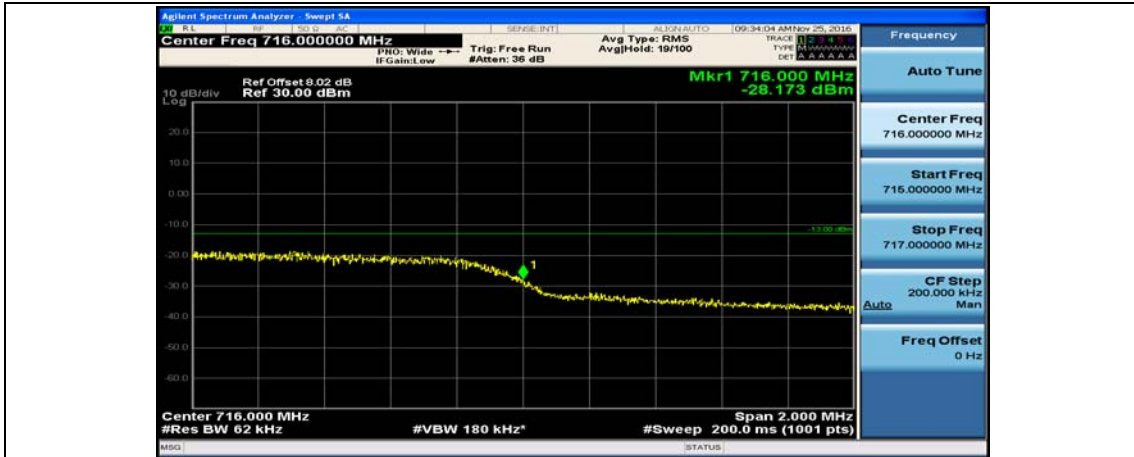
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



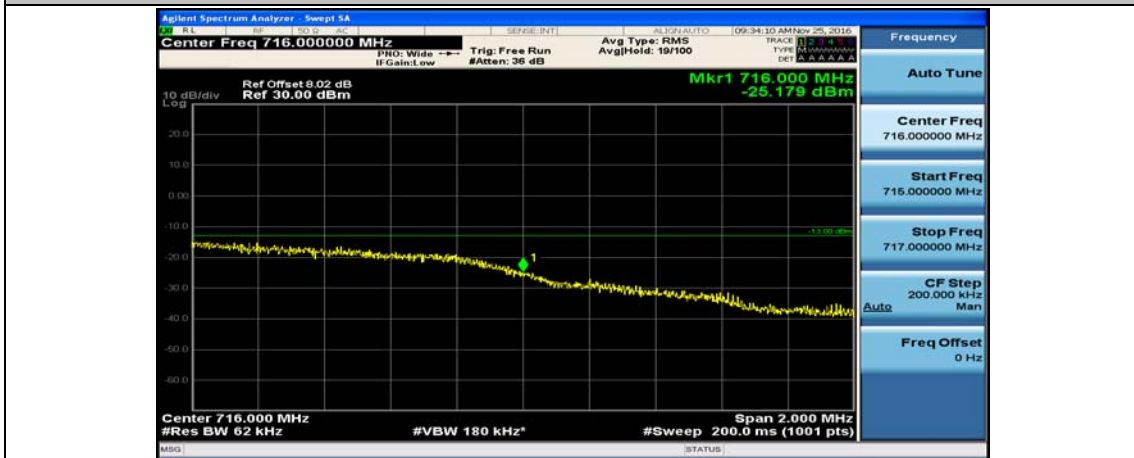
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



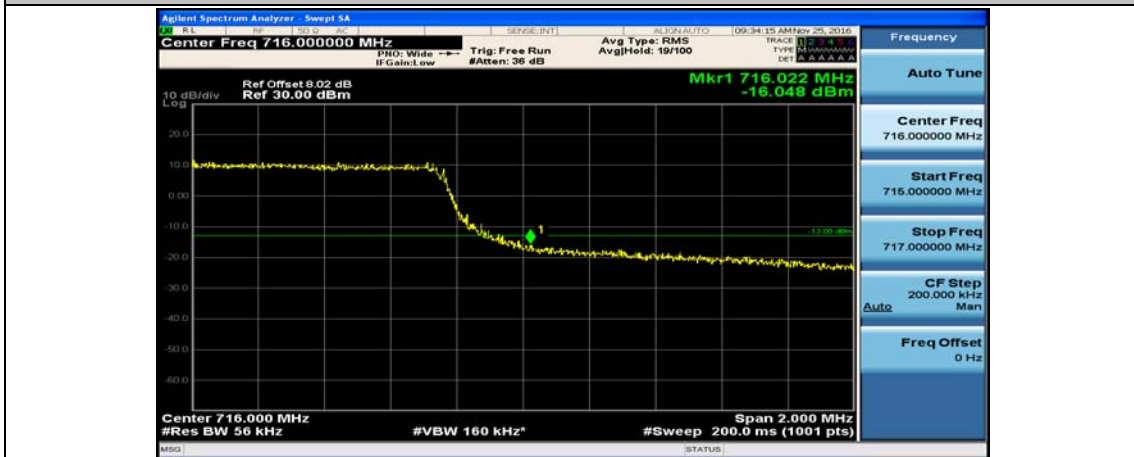
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(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_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25