

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	23.13	PASS
		1	12	22.27	PASS
		1	24	22.93	PASS
		12	0	21.51	PASS
		12	6	20.85	PASS
		12	13	20.93	PASS
		25	0	21.04	PASS
	MCH	1	0	22.32	PASS
		1	12	22.93	PASS
		1	24	22.31	PASS
		12	0	21.51	PASS
		12	6	21.78	PASS
		12	13	21.54	PASS
		25	0	21.68	PASS
	HCH	1	0	22.59	PASS
		1	12	22.23	PASS
		1	24	22.02	PASS
		12	0	21.30	PASS
		12	6	21.23	PASS
		12	13	21.11	PASS
		25	0	21.30	PASS
16QAM	LCH	1	0	22.43	PASS
		1	12	21.32	PASS
		1	24	22.13	PASS
		12	0	20.57	PASS
		12	6	20.34	PASS
		12	13	20.39	PASS
		25	0	20.31	PASS
	MCH	1	0	21.67	PASS
		1	12	22.18	PASS
		1	24	21.58	PASS
		12	0	20.70	PASS

		12	6	20.87	PASS
		12	13	20.61	PASS
		25	0	20.65	PASS
	HCH	1	0	21.75	PASS
		1	12	21.39	PASS
		1	24	21.23	PASS
		12	0	21.31	PASS
		12	6	21.16	PASS
		12	13	21.05	PASS
		25	0	21.25	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.15	PASS
		1	24	22.37	PASS
		1	49	22.07	PASS
		25	0	20.92	PASS
		25	12	21.89	PASS
		25	25	21.44	PASS
		50	0	21.71	PASS
	MCH	1	0	21.93	PASS
		1	24	22.81	PASS
		1	49	21.98	PASS
		25	0	21.02	PASS
		25	12	21.63	PASS
		25	25	21.35	PASS
		50	0	21.59	PASS
	HCH	1	0	21.69	PASS
		1	24	22.64	PASS
		1	49	21.96	PASS
		25	0	21.73	PASS
		25	12	21.43	PASS
		25	25	21.29	PASS
		50	0	21.50	PASS
16QAM	LCH	1	0	22.18	PASS
		1	24	21.74	PASS
		1	49	21.31	PASS
		25	0	21.04	PASS
		25	12	21.36	PASS
		25	25	21.40	PASS
		50	0	21.49	PASS

	MCH	1	0	21.44	PASS
		1	24	22.22	PASS
		1	49	21.34	PASS
		25	0	21.15	PASS
		25	12	21.46	PASS
		25	25	21.29	PASS
		50	0	21.50	PASS
	HCH	1	0	21.08	PASS
		1	24	21.93	PASS
		1	49	21.27	PASS
		25	0	21.47	PASS
		25	12	21.45	PASS
		25	25	21.20	PASS
		50	0	21.44	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	5.58	<13	PASS
		1	12	6.72	<13	PASS
		1	24	6.87	<13	PASS
		12	0	6.22	<13	PASS
		12	6	6.28	<13	PASS
		12	13	6.36	<13	PASS
		25	0	6.44	<13	PASS
	MCH	1	0	6.3	<13	PASS
		1	12	6.15	<13	PASS
		1	24	4.93	<13	PASS
		12	0	6.18	<13	PASS
		12	6	5.92	<13	PASS
		12	13	5.57	<13	PASS
		25	0	5.85	<13	PASS
	HCH	1	0	5.64	<13	PASS
		1	12	4.34	<13	PASS
		1	24	5.37	<13	PASS
		12	0	5.32	<13	PASS
		12	6	5.09	<13	PASS
		12	13	5.36	<13	PASS
		25	0	5.24	<13	PASS
16QAM	LCH	1	0	6.26	<13	PASS
		1	12	7.15	<13	PASS
		1	24	7.55	<13	PASS
		12	0	6.96	<13	PASS
		12	6	7.05	<13	PASS
		12	13	7.24	<13	PASS
		25	0	6.79	<13	PASS
	MCH	1	0	7.43	<13	PASS
		1	12	7.14	<13	PASS
		1	24	6.13	<13	PASS
		12	0	6.78	<13	PASS

		12	6	6.66	<13	PASS
		12	13	6.42	<13	PASS
		25	0	6.58	<13	PASS
	HCH	1	0	6.02	<13	PASS
		1	12	5.12	<13	PASS
		1	24	5.83	<13	PASS
		12	0	6.25	<13	PASS
		12	6	5.77	<13	PASS
		12	13	6.05	<13	PASS
		25	0	6.07	<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	5.52	<13	PASS
		1	24	6.15	<13	PASS
		1	49	4.39	<13	PASS
		25	0	6.35	<13	PASS
		25	12	6.25	<13	PASS
		25	25	5.28	<13	PASS
		50	0	5.7	<13	PASS
	MCH	1	0	5.62	<13	PASS
		1	24	5.9	<13	PASS
		1	49	4.47	<13	PASS
		25	0	6.49	<13	PASS
		25	12	5.87	<13	PASS
		25	25	5.07	<13	PASS
		50	0	5.36	<13	PASS
	HCH	1	0	6.07	<13	PASS
		1	24	5.65	<13	PASS
		1	49	5.22	<13	PASS
		25	0	6.25	<13	PASS
		25	12	5.43	<13	PASS
		25	25	5.11	<13	PASS
		50	0	5.23	<13	PASS
16QAM	LCH	1	0	6.51	<13	PASS
		1	24	7.47	<13	PASS
		1	49	5.3	<13	PASS
		25	0	7.02	<13	PASS
		25	12	7.02	<13	PASS

		25	25	6.27	<13	PASS
		50	0	6.48	<13	PASS
	MCH	1	0	6.75	<13	PASS
		1	24	6.68	<13	PASS
		1	49	5.41	<13	PASS
		25	0	7.1	<13	PASS
		25	12	6.64	<13	PASS
		25	25	6.05	<13	PASS
		50	0	6.24	<13	PASS
	HCH	1	0	7.42	<13	PASS
		1	24	6.79	<13	PASS
		1	49	6.19	<13	PASS
		25	0	6.94	<13	PASS
		25	12	6.43	<13	PASS
		25	25	6	<13	PASS
		50	0	6.11	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



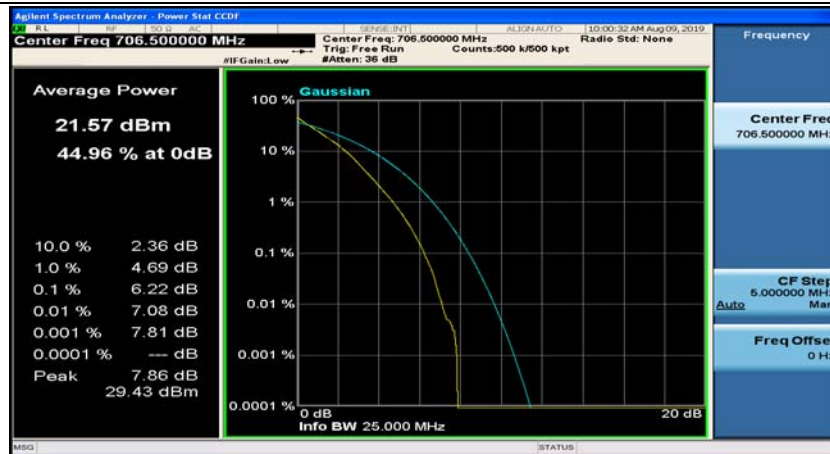
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



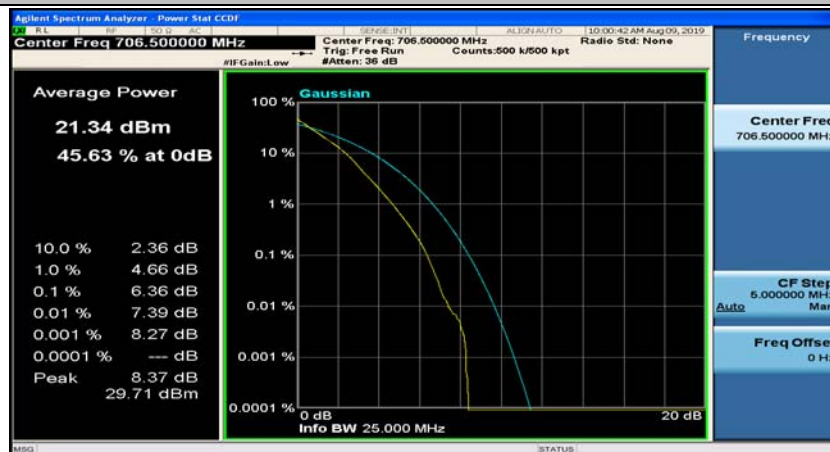
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



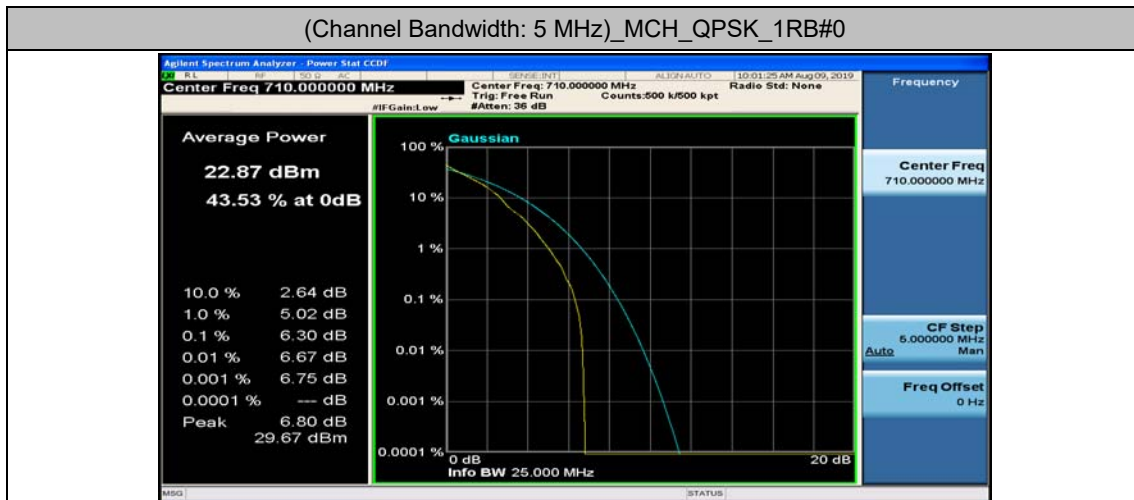
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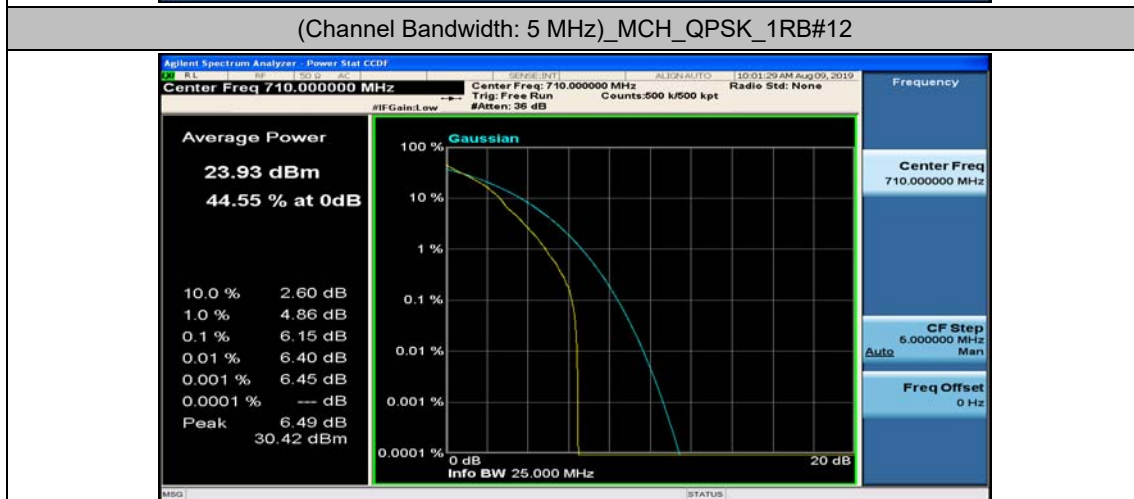
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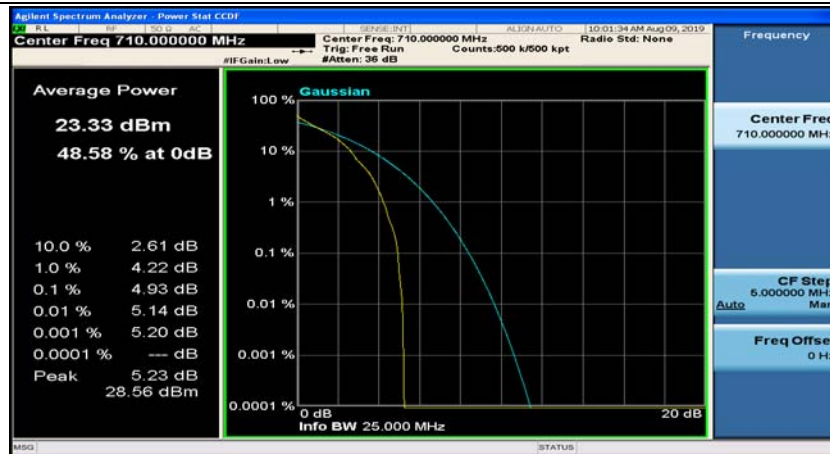
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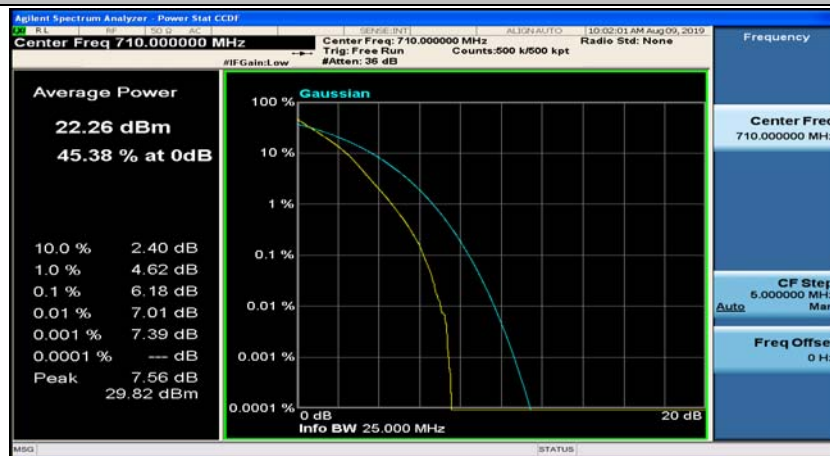
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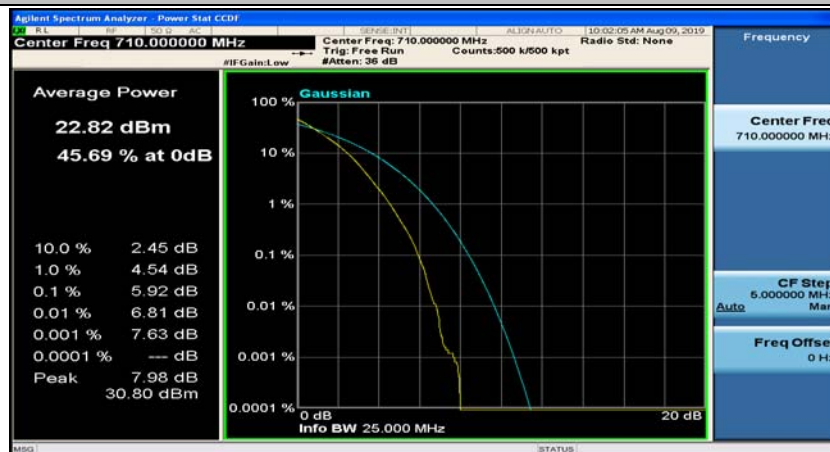
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



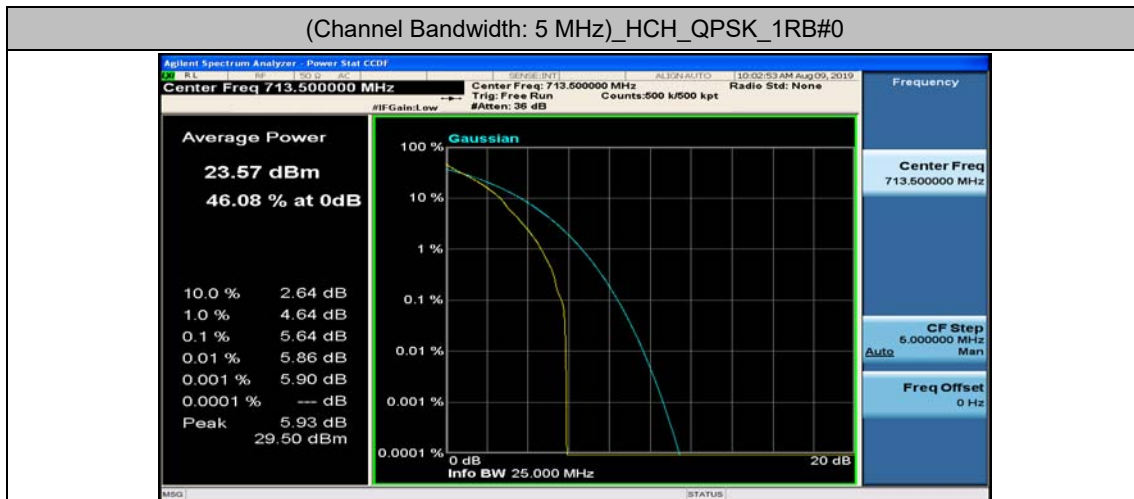
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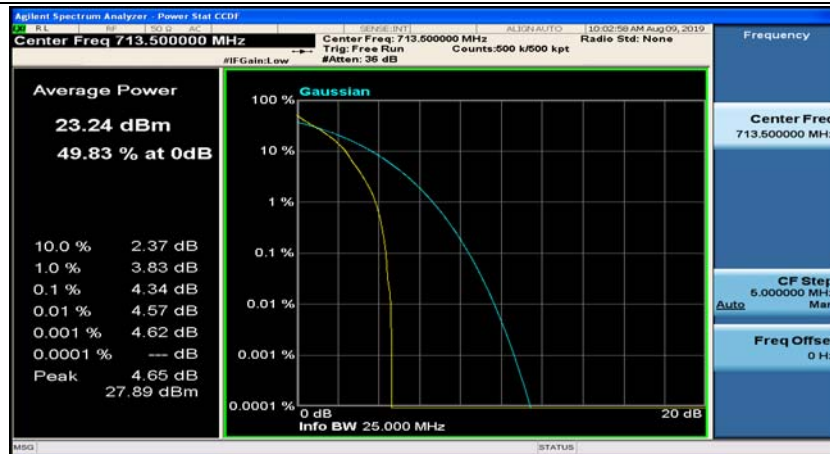
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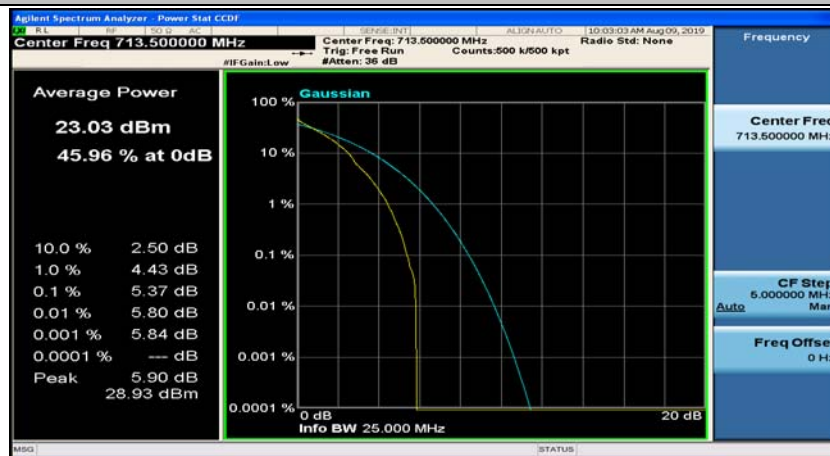
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



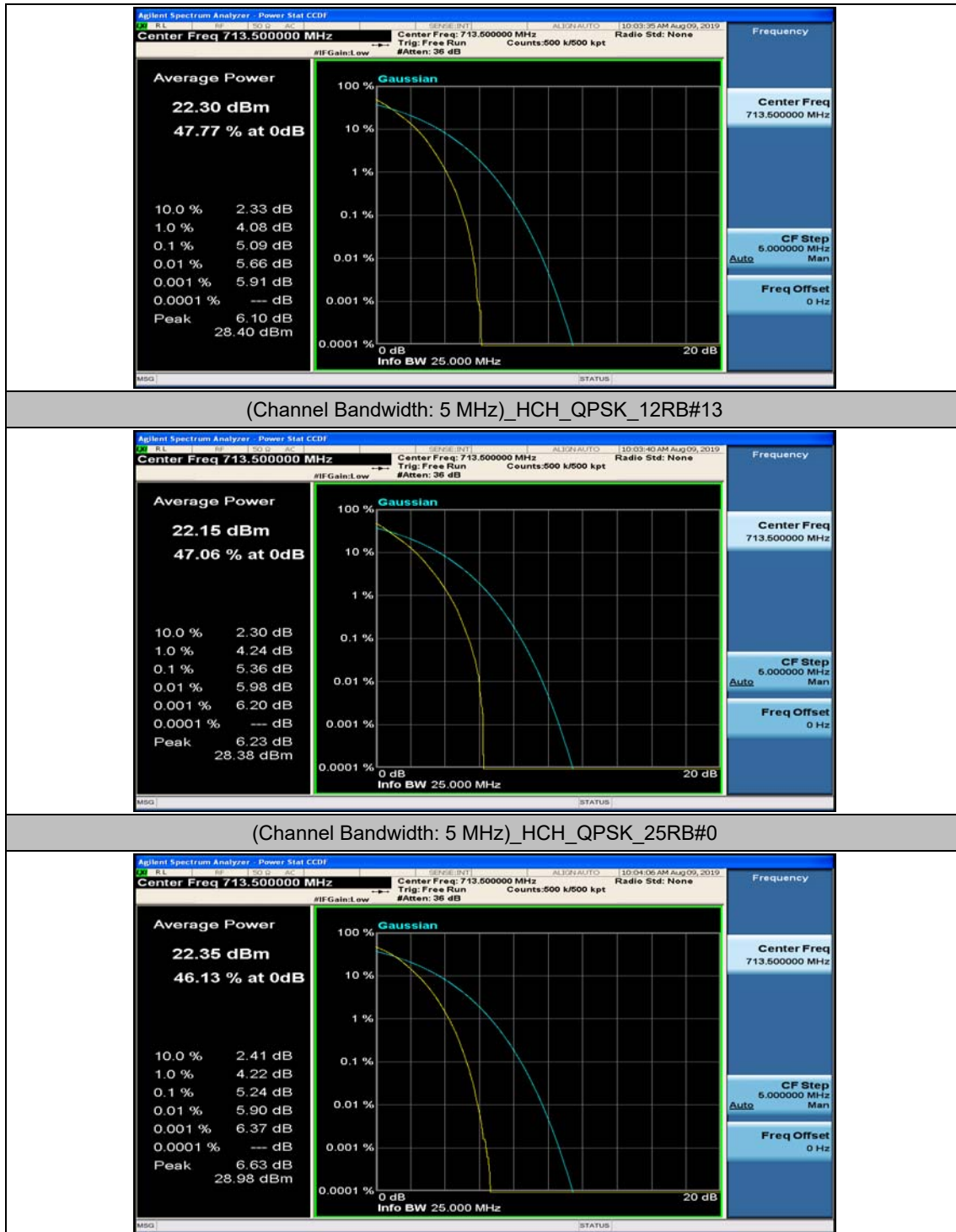
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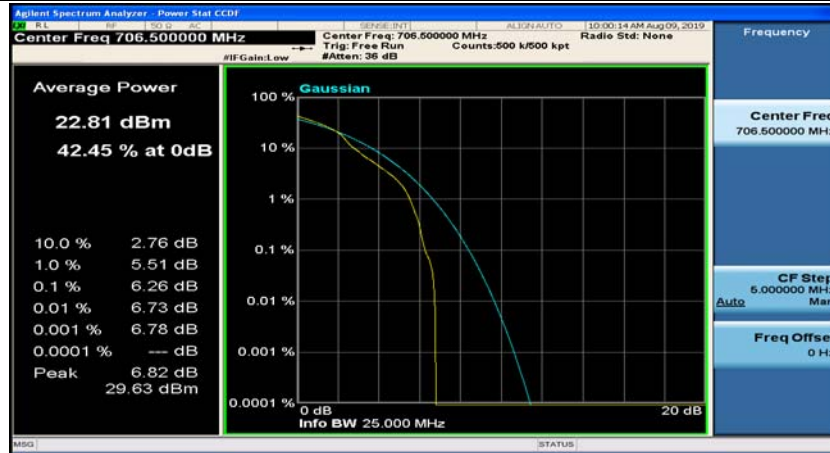
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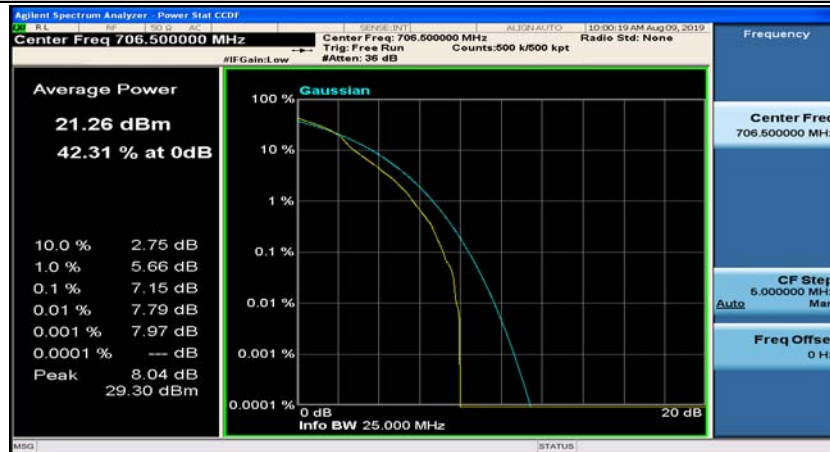
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



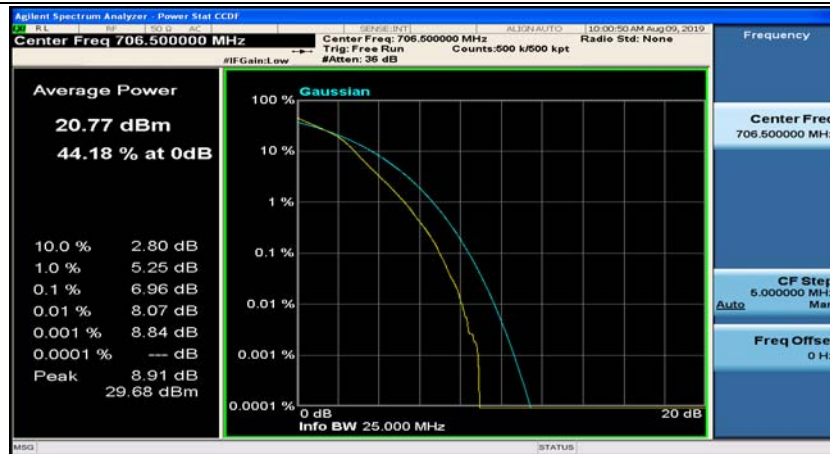
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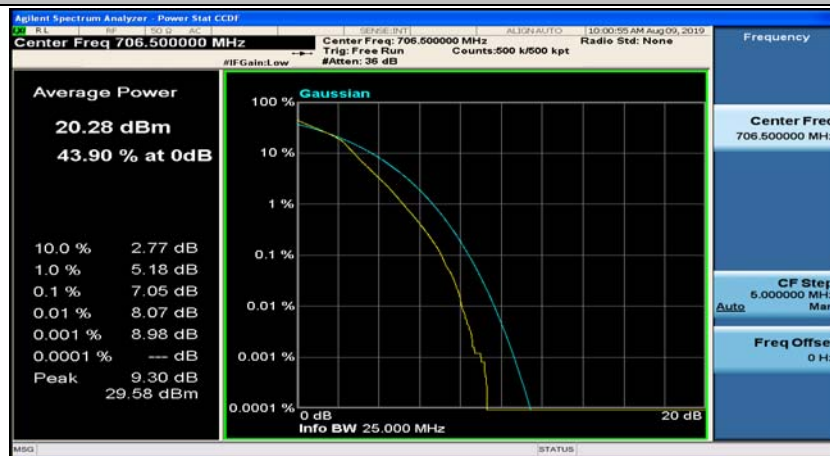
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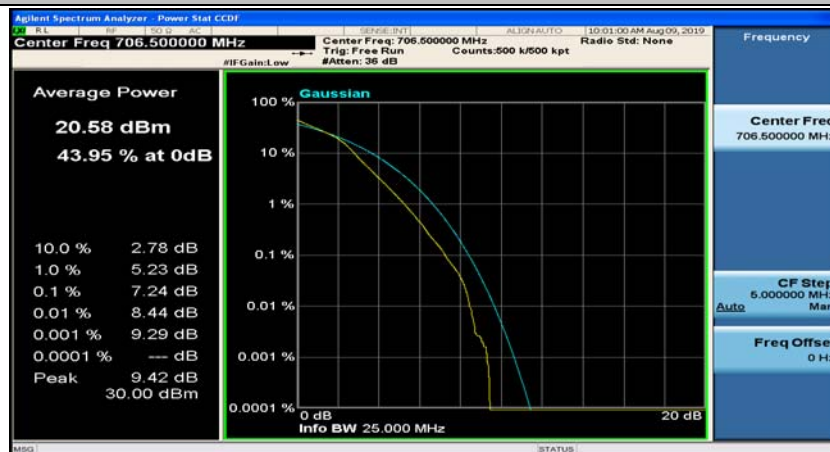
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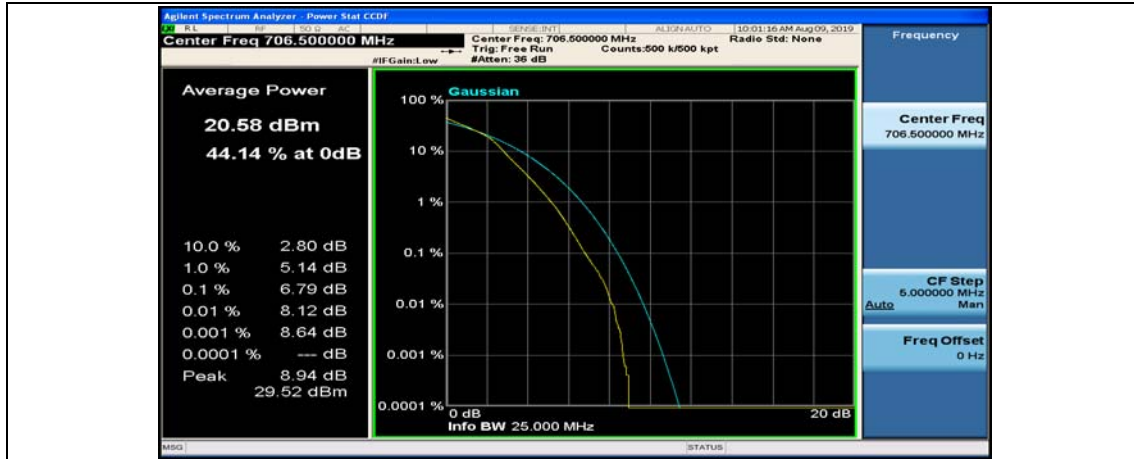
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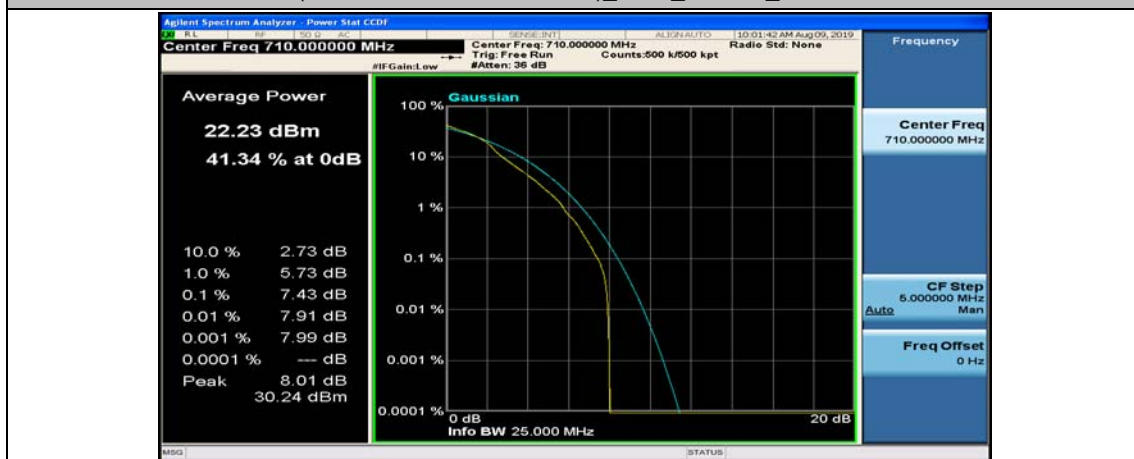
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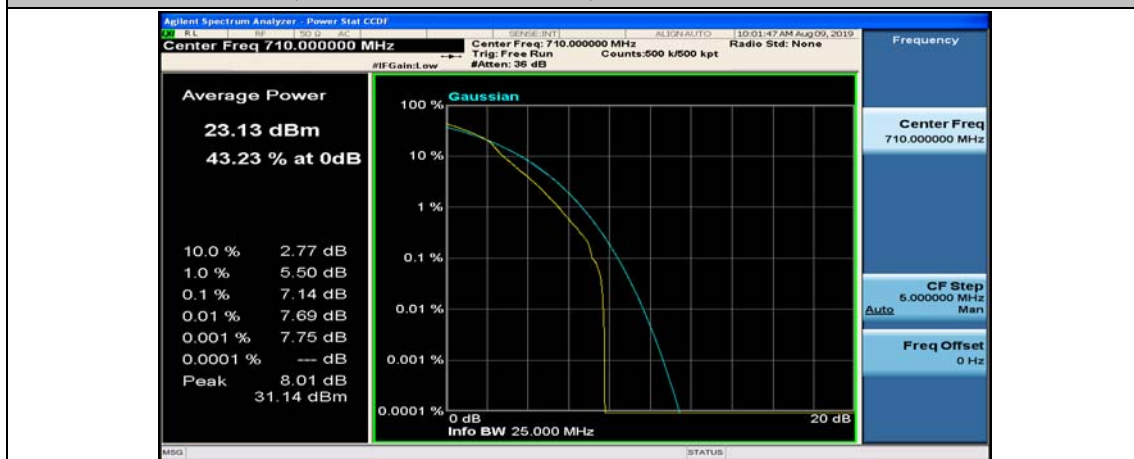
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



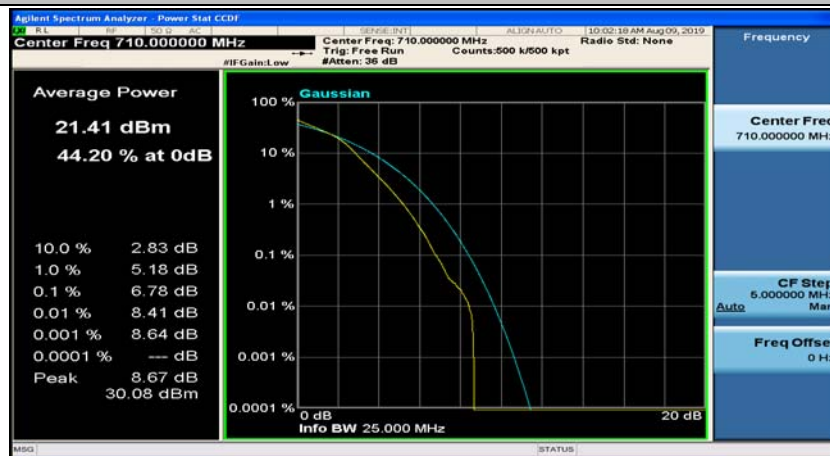
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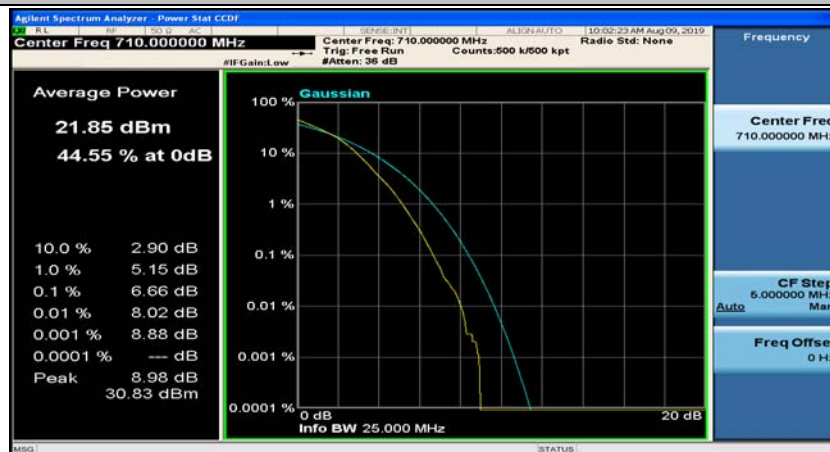
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



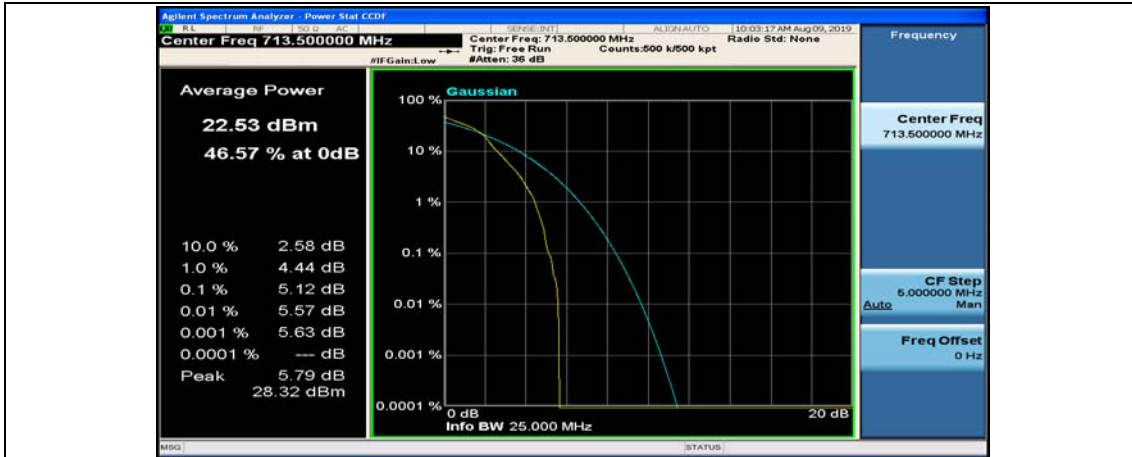
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



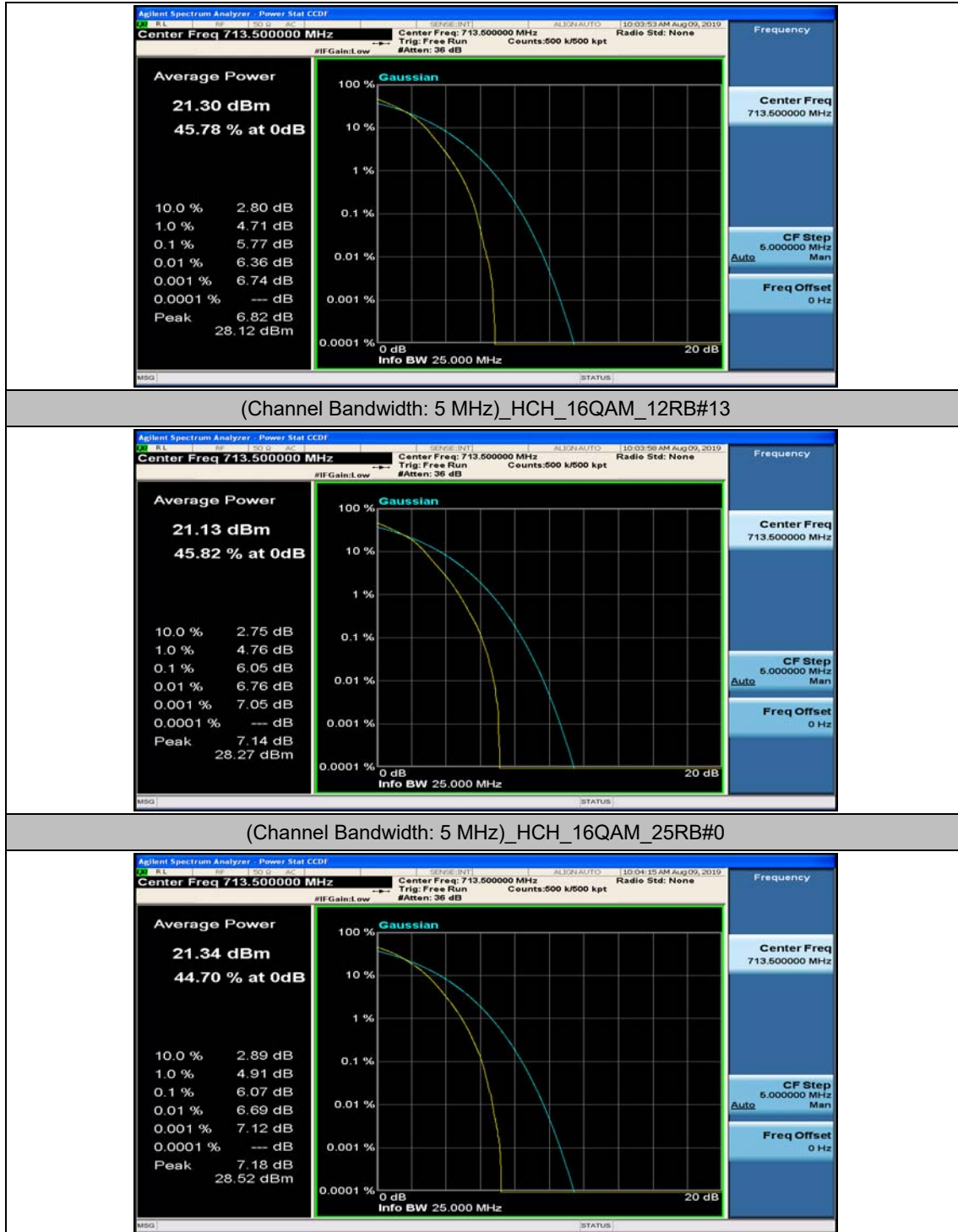
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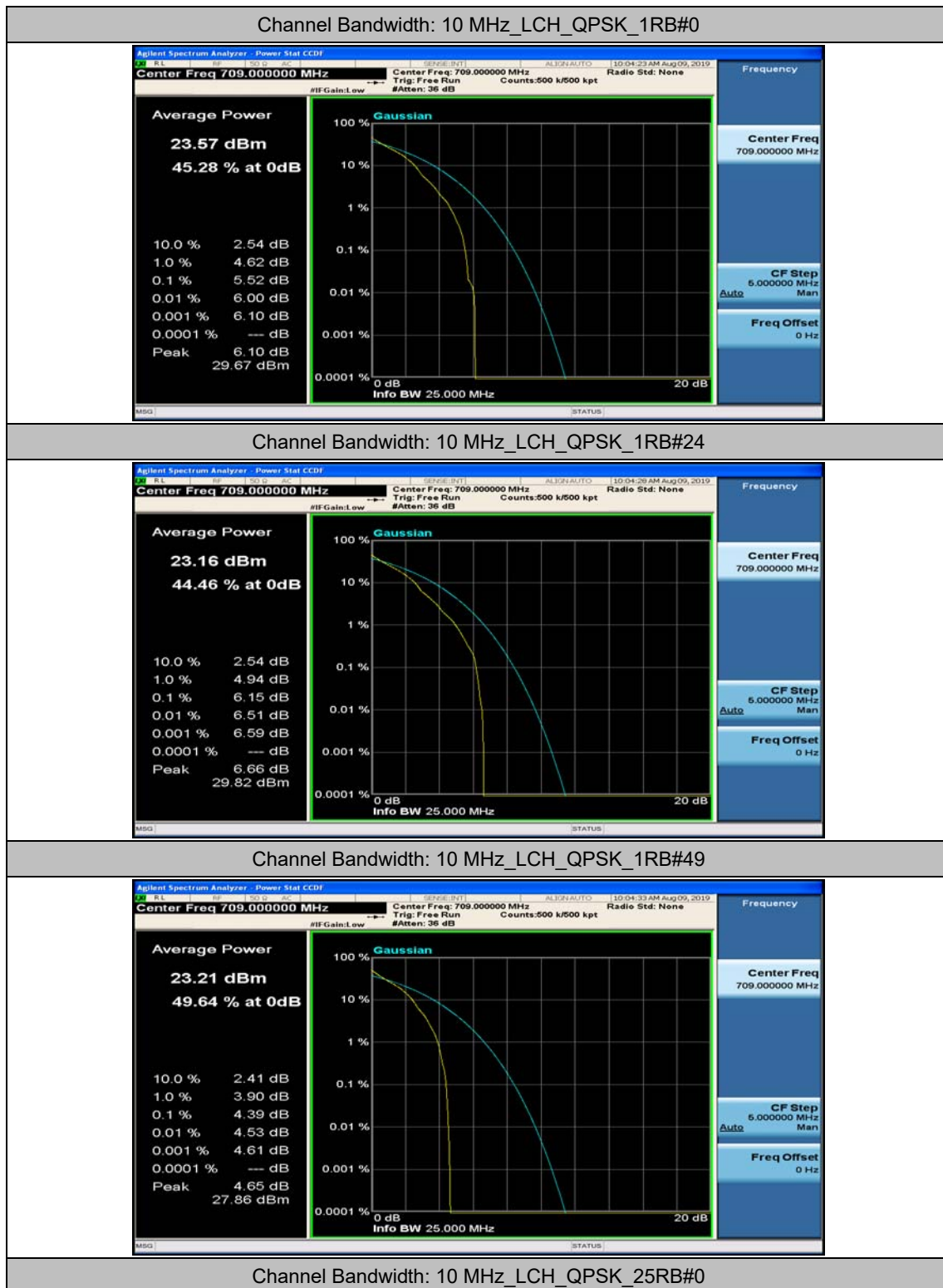
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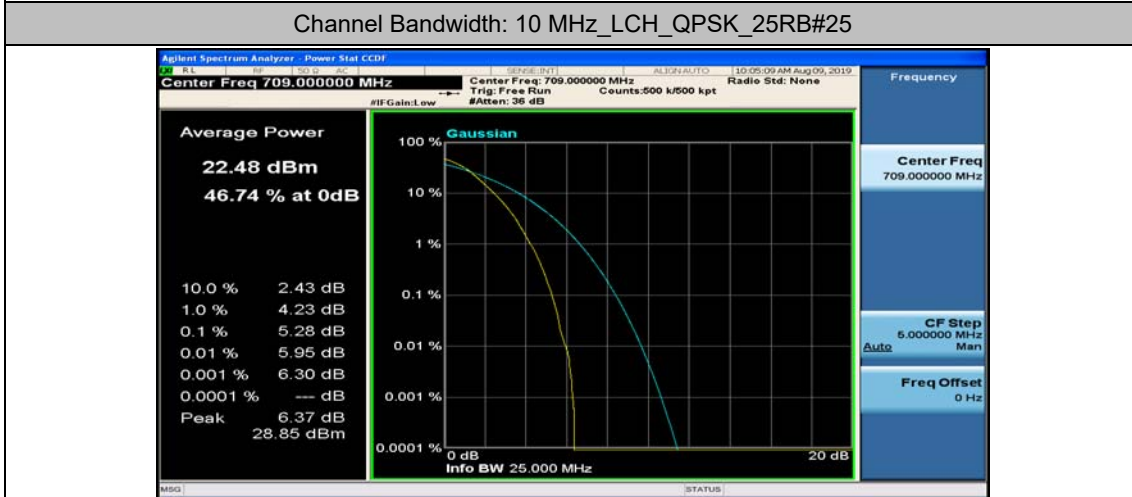
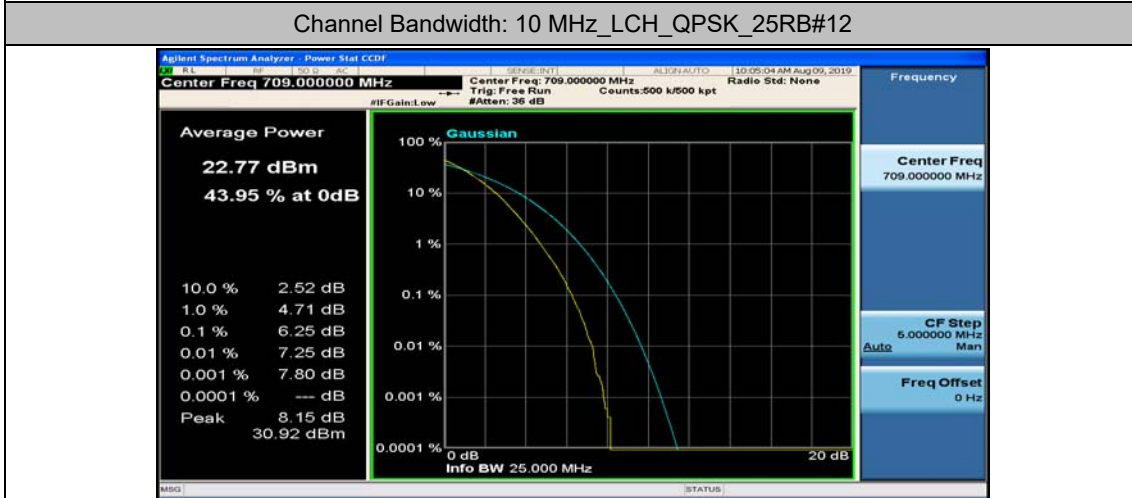
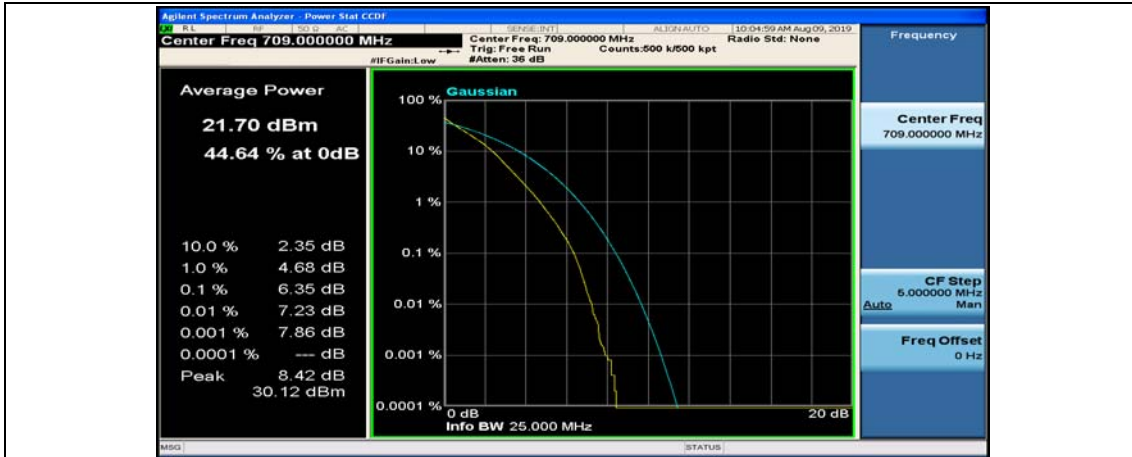


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



Channel Bandwidth: 10 MHz







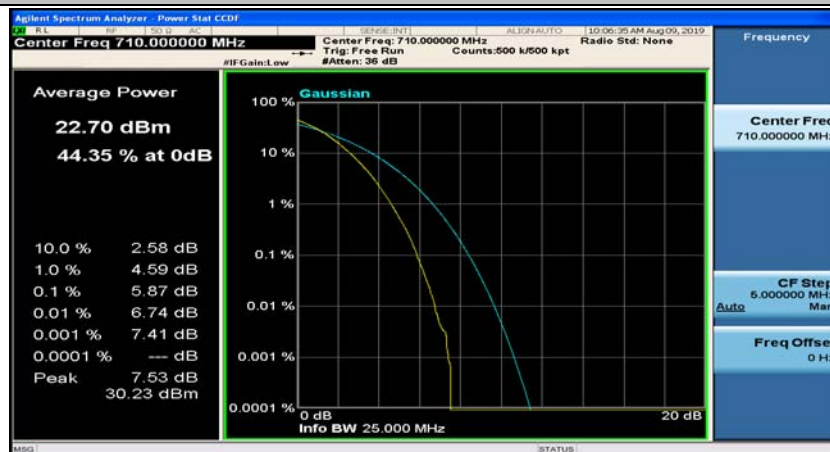
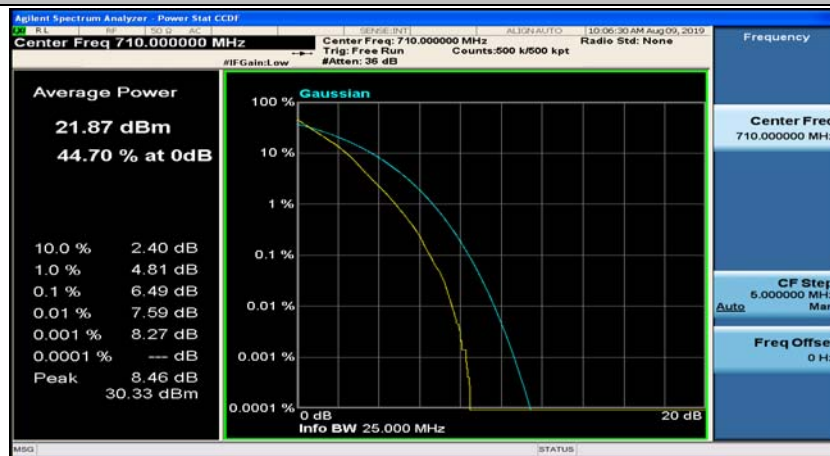
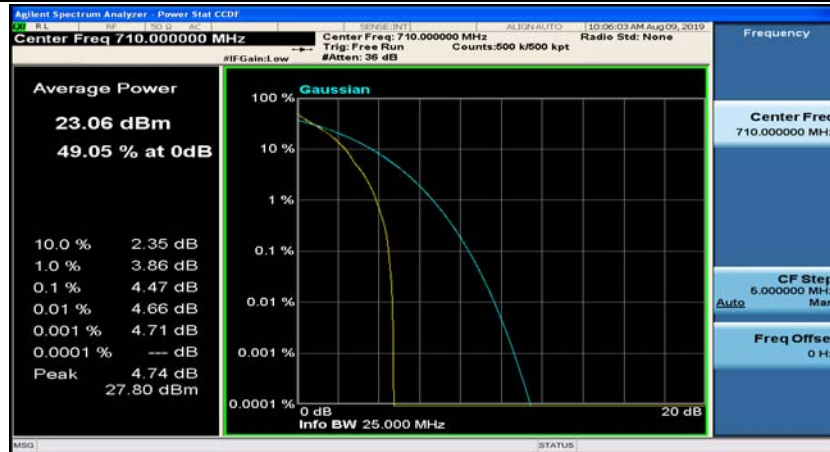
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

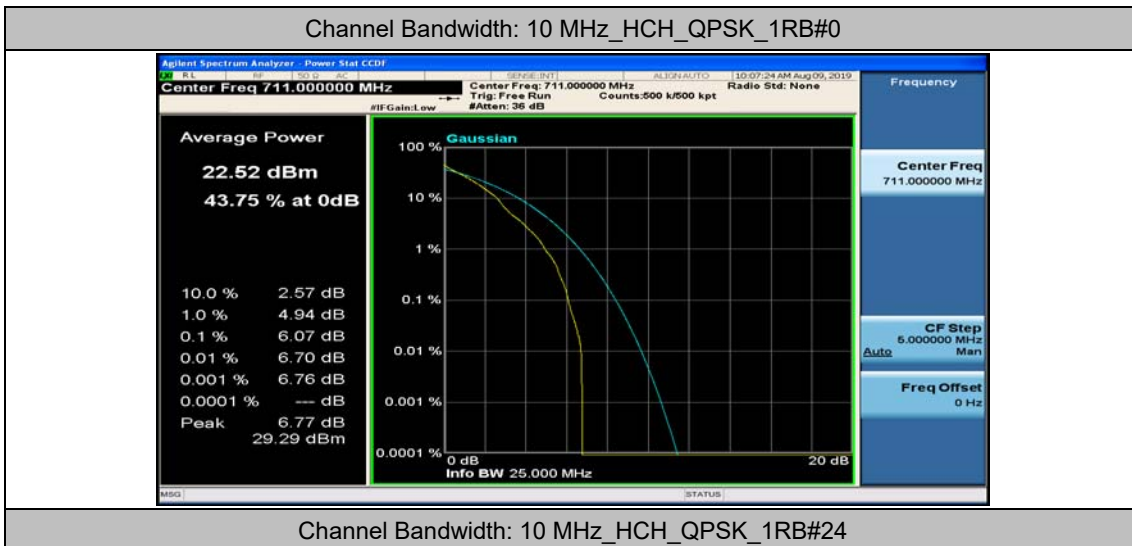
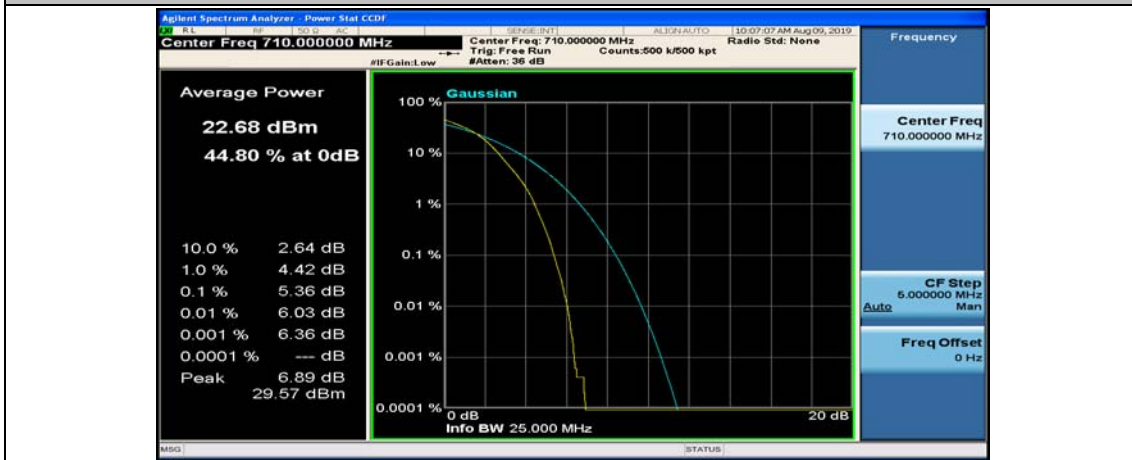


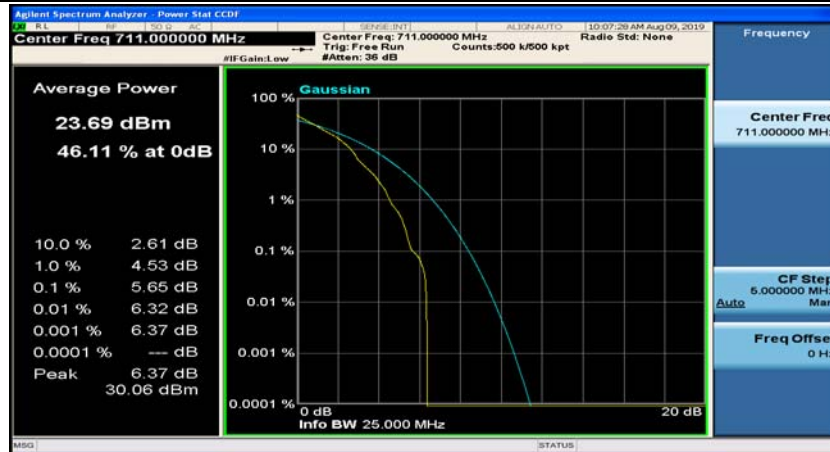
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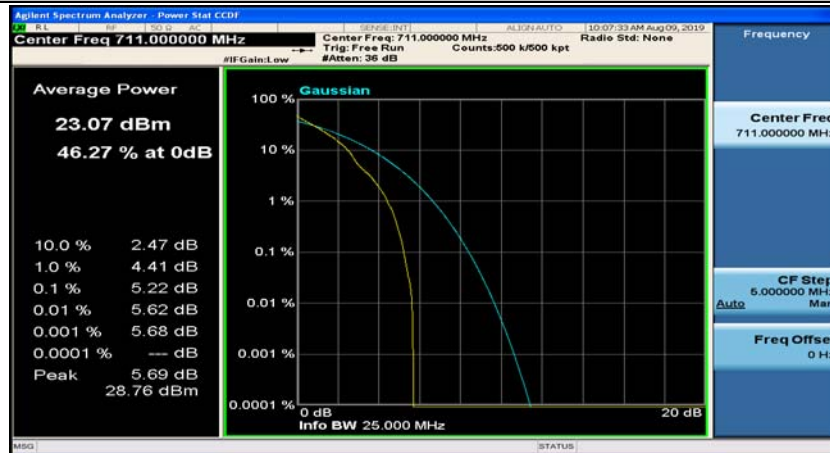
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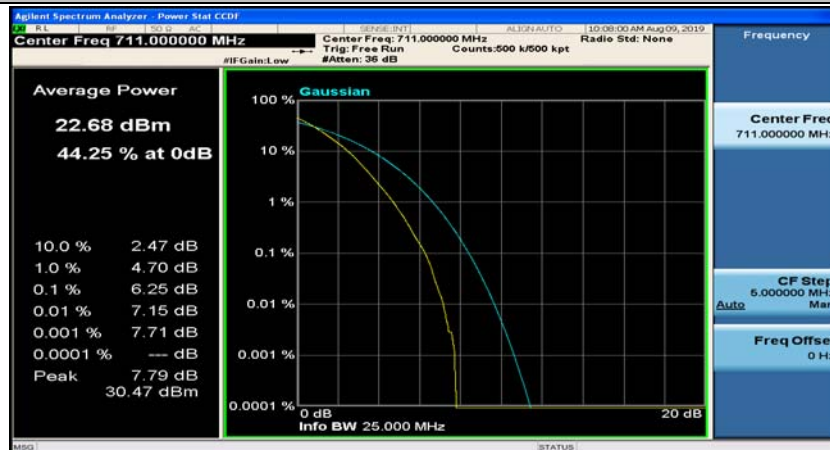




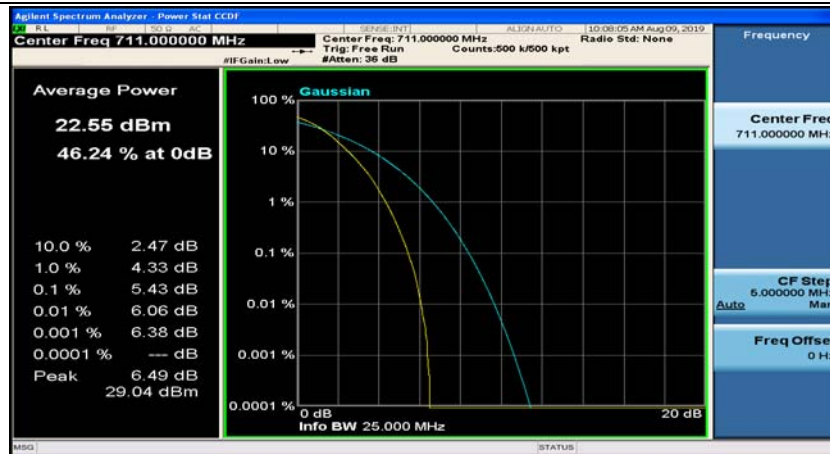
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



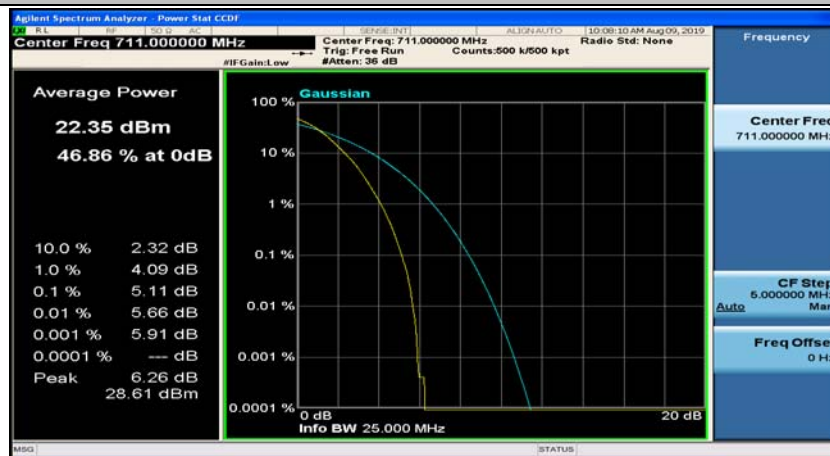
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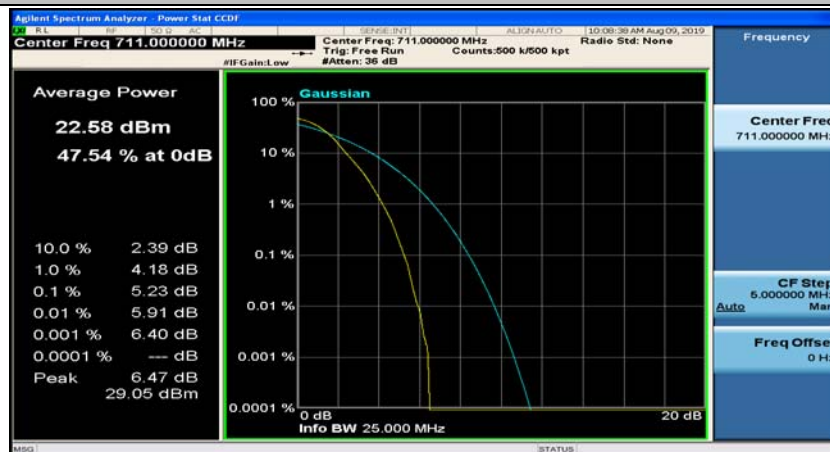
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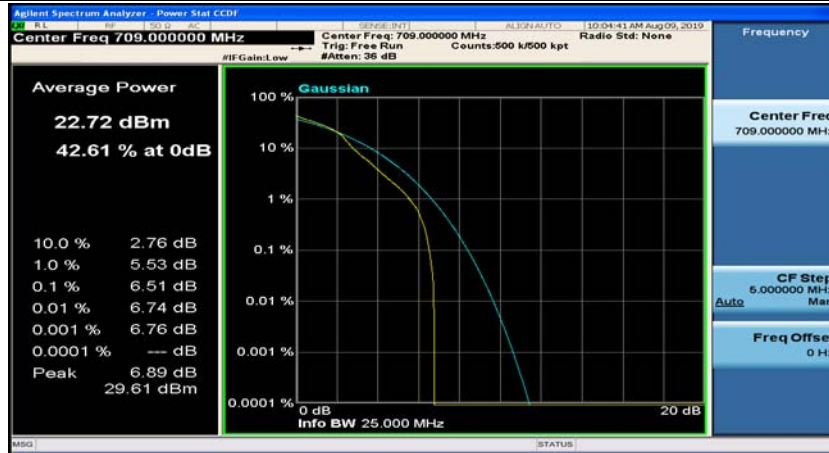
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



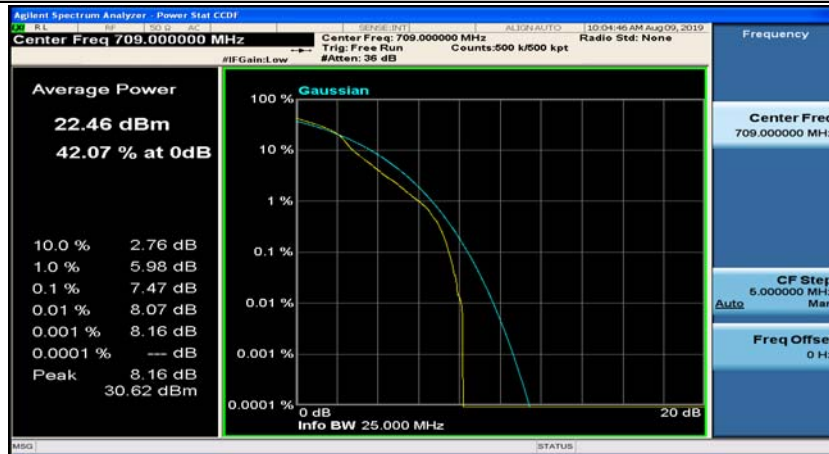
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



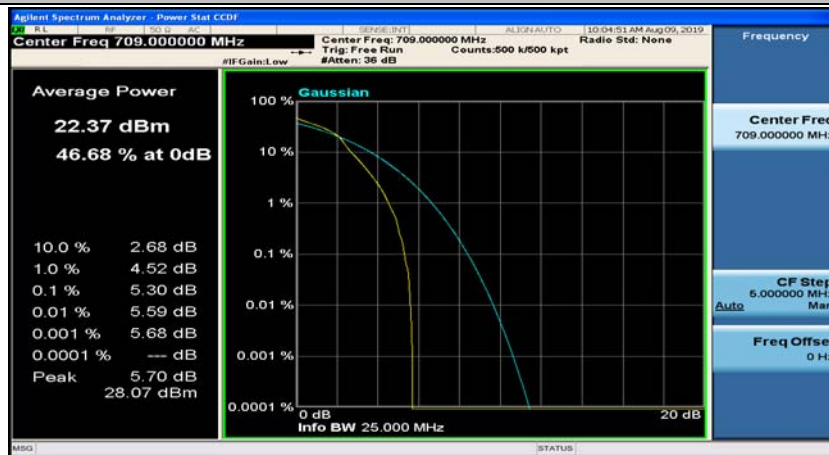
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



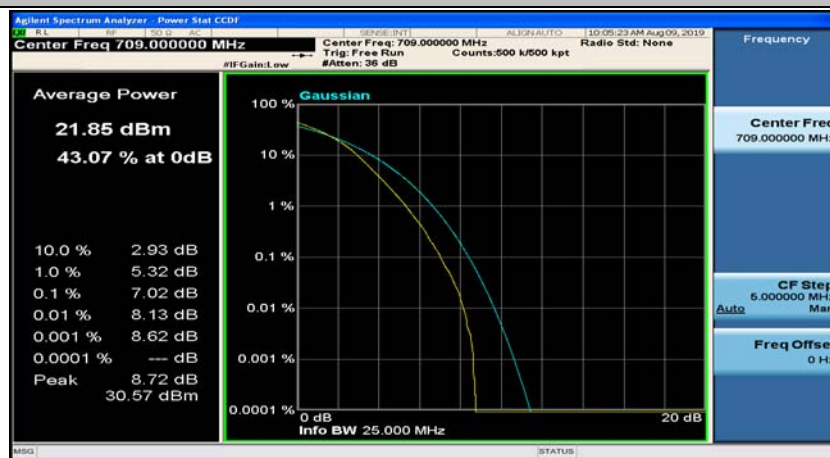
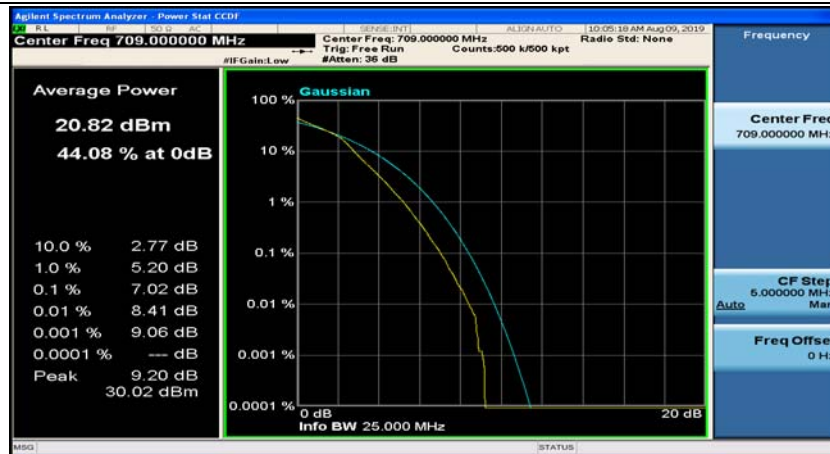
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Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

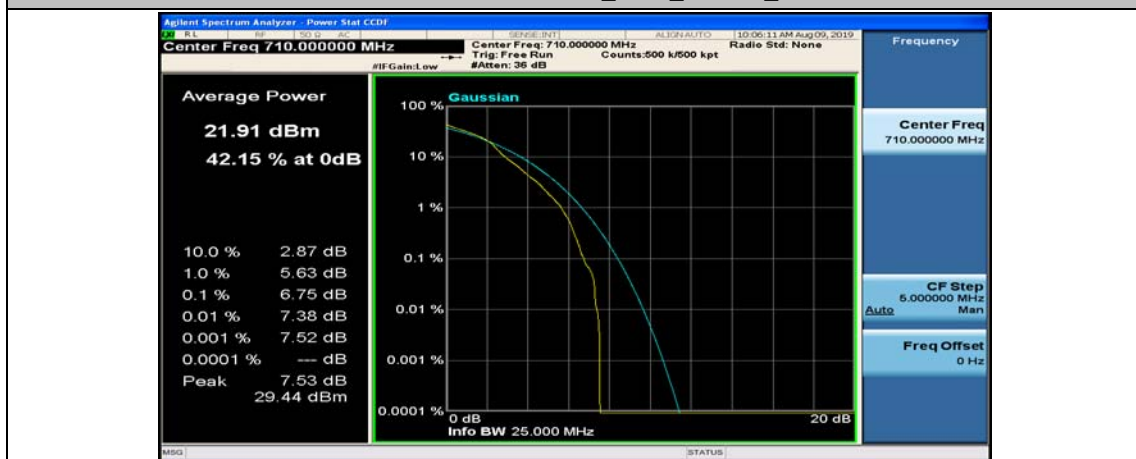


Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





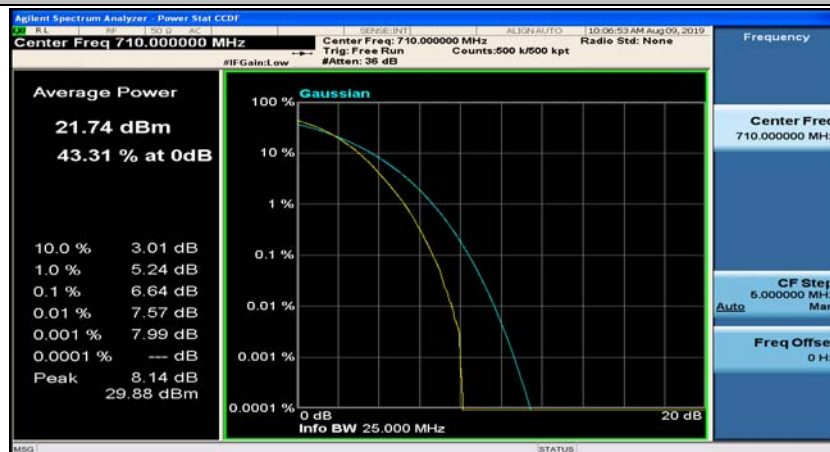
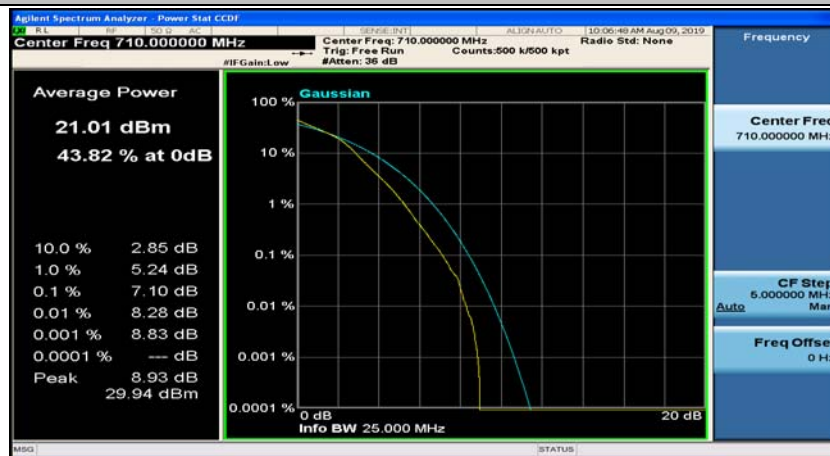
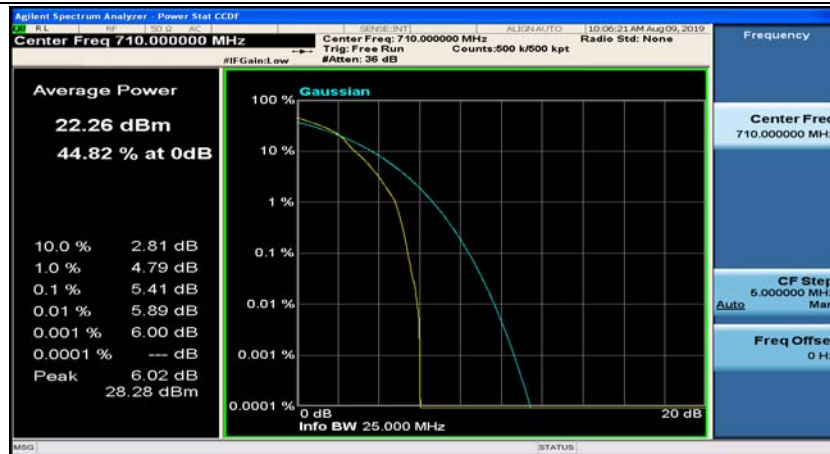
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

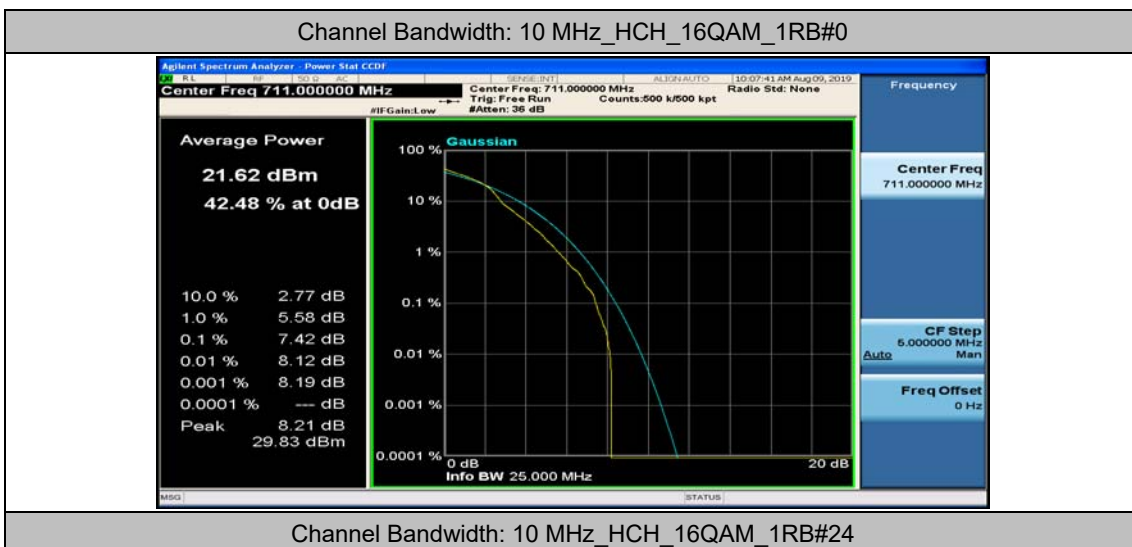
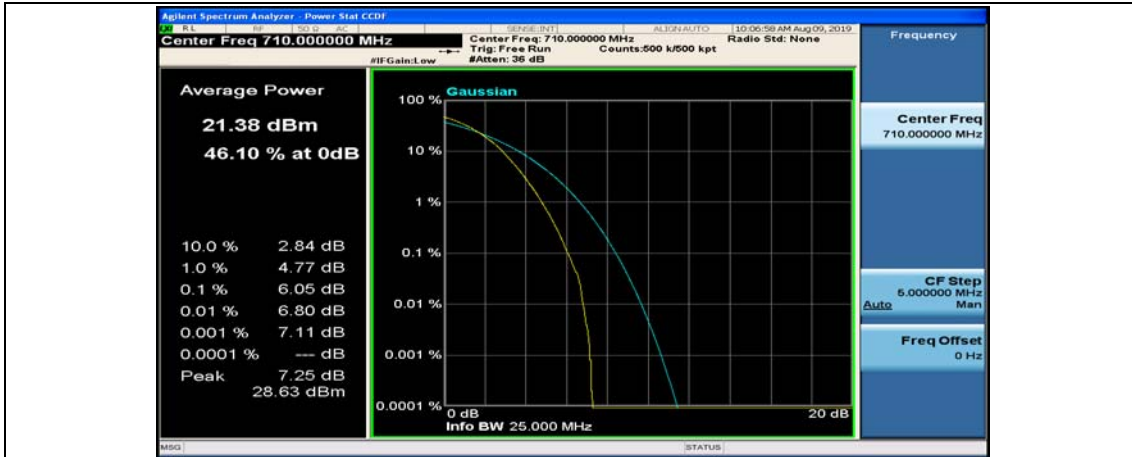


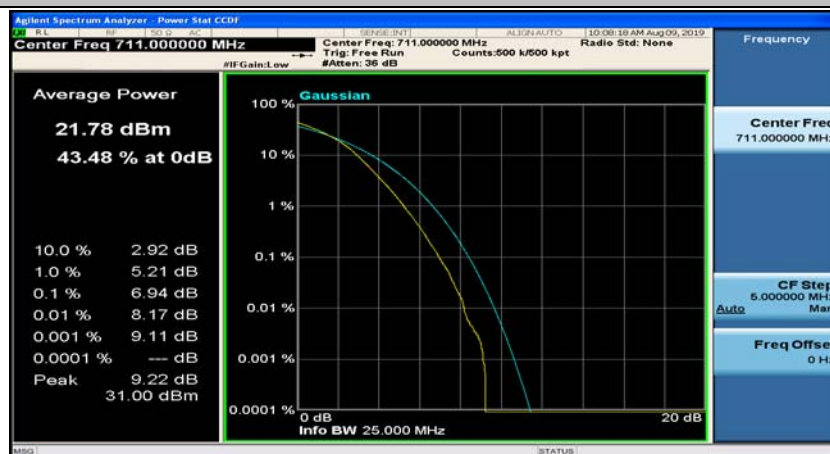
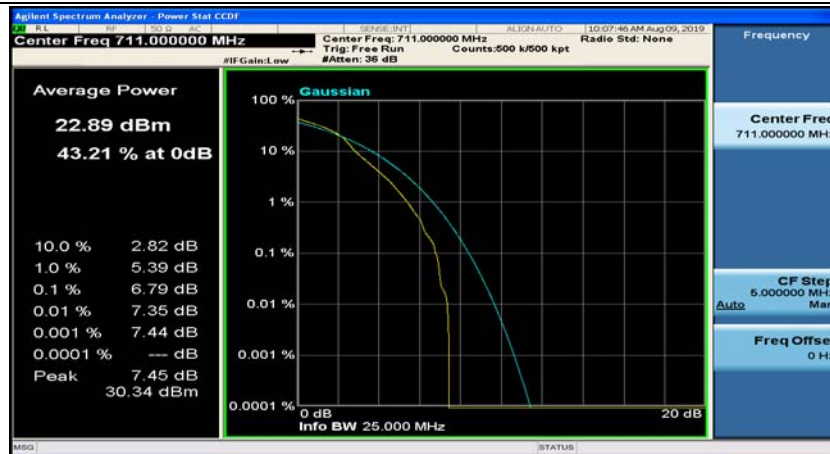
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

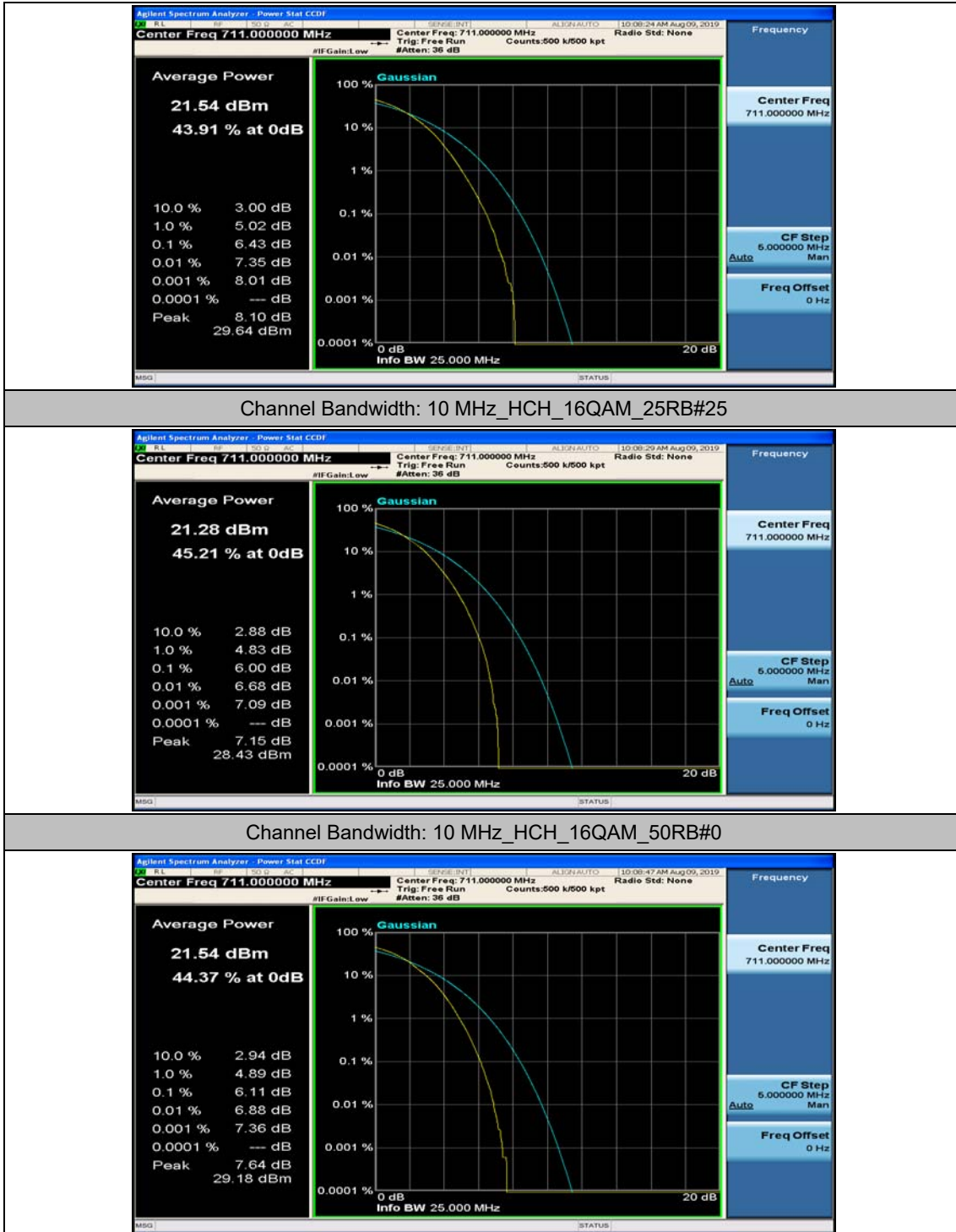


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









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	4.4963	4.891	PASS
	MCH	25	0	4.4700	4.745	PASS
	HCH	25	0	4.4634	4.770	PASS
16QAM	LCH	25	0	4.4992	4.837	PASS
	MCH	25	0	4.4687	4.744	PASS
	HCH	25	0	4.4625	4.778	PASS

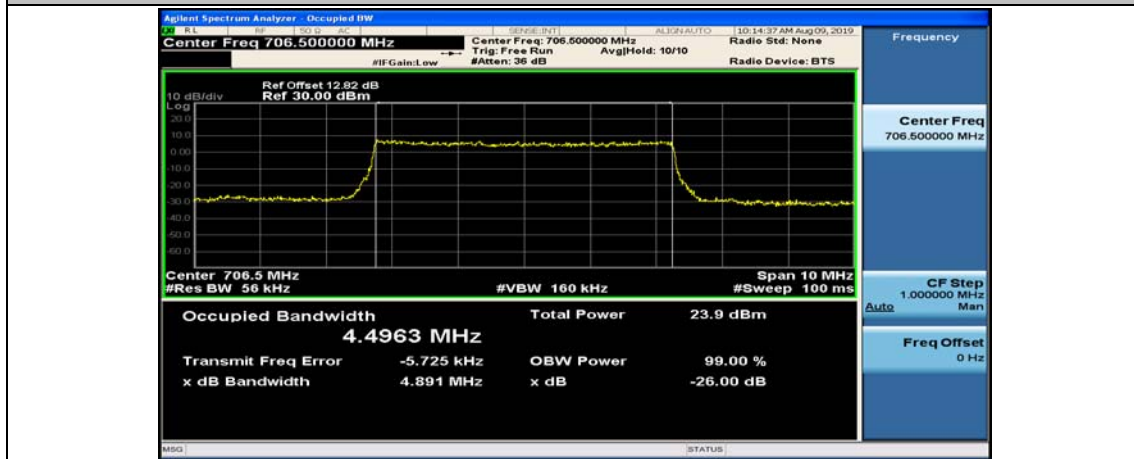
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9453	9.397	PASS
	MCH	50	0	8.8912	9.273	PASS
	HCH	50	0	8.8788	9.309	PASS
16QAM	LCH	50	0	8.9528	9.429	PASS
	MCH	50	0	8.9181	9.290	PASS
	HCH	50	0	8.8735	9.322	PASS

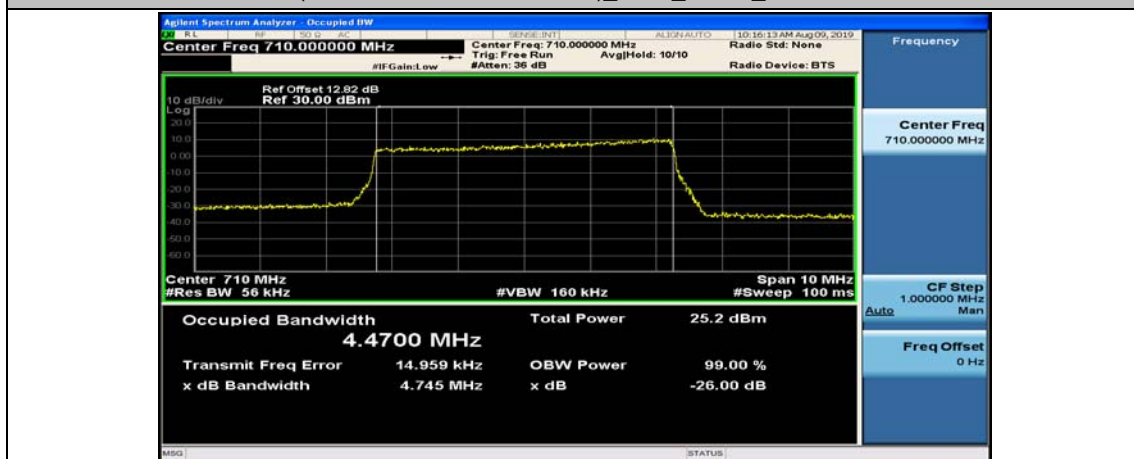
Test Graphs

Channel Bandwidth: 5 MHz

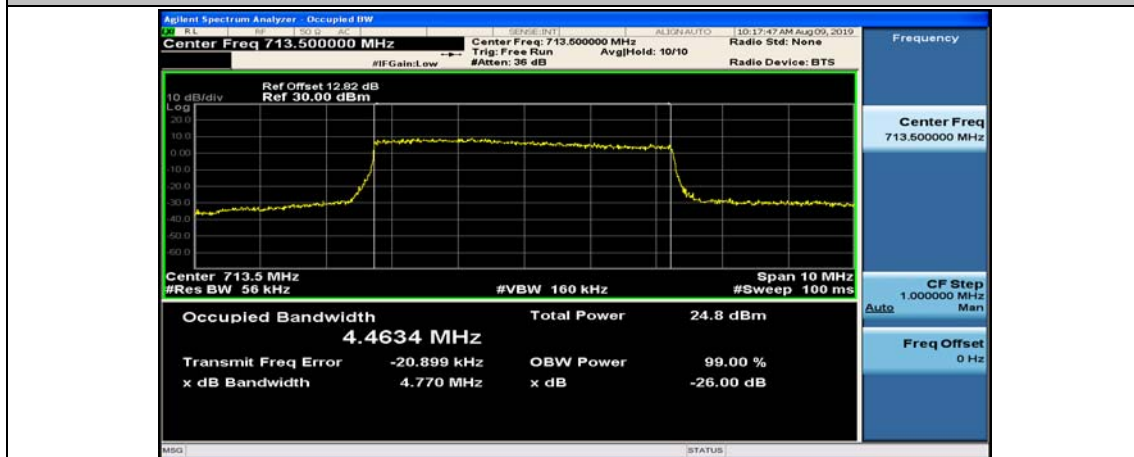
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



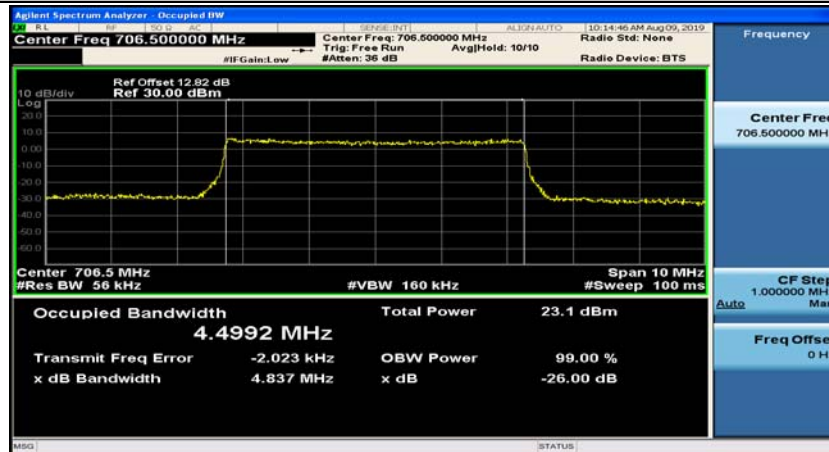
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



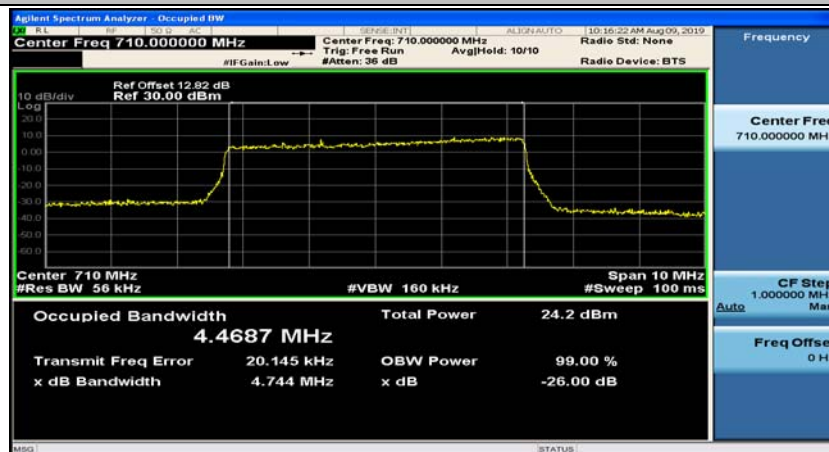
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



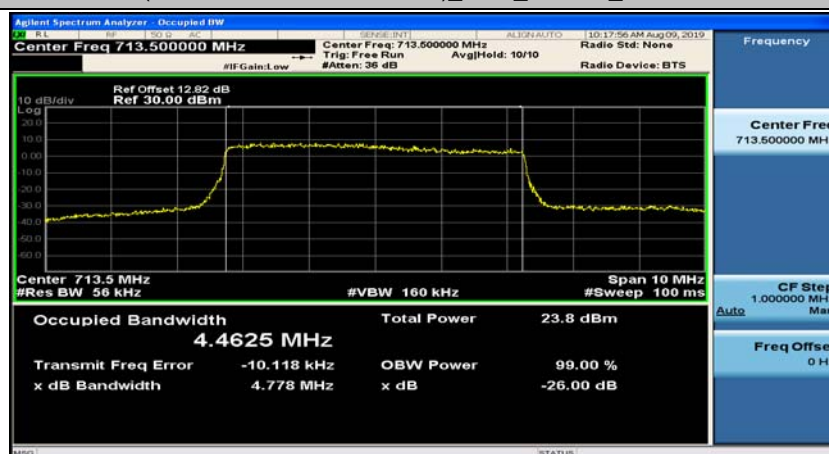
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



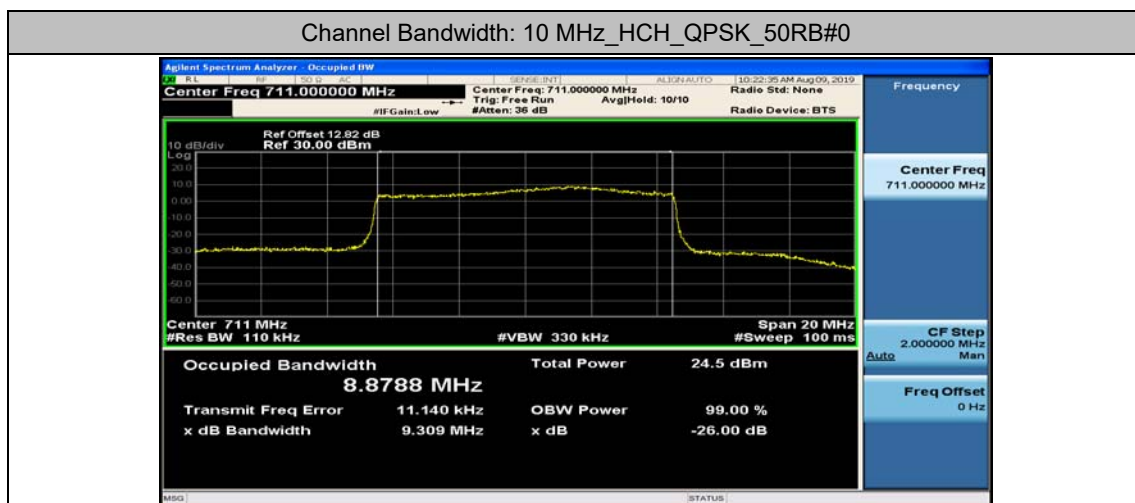
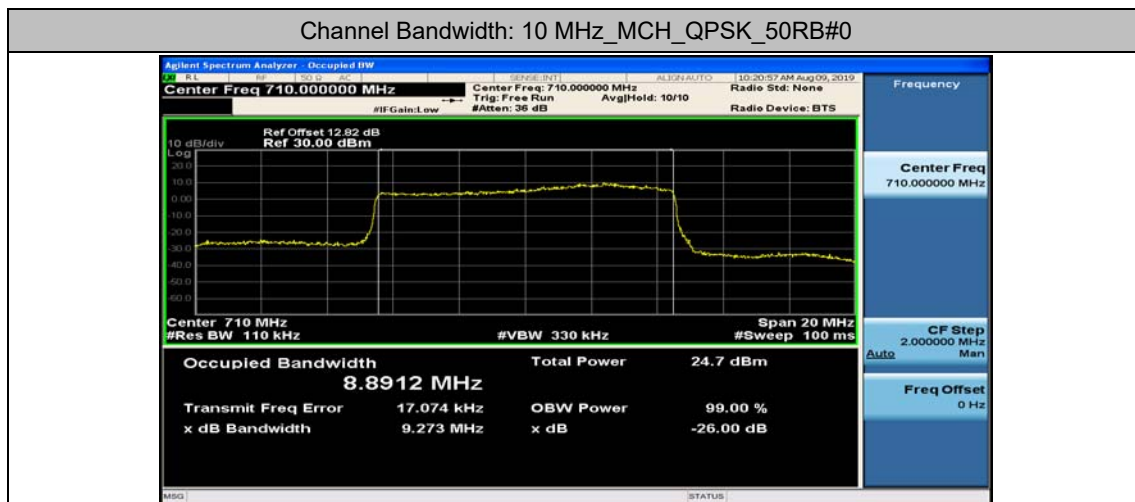
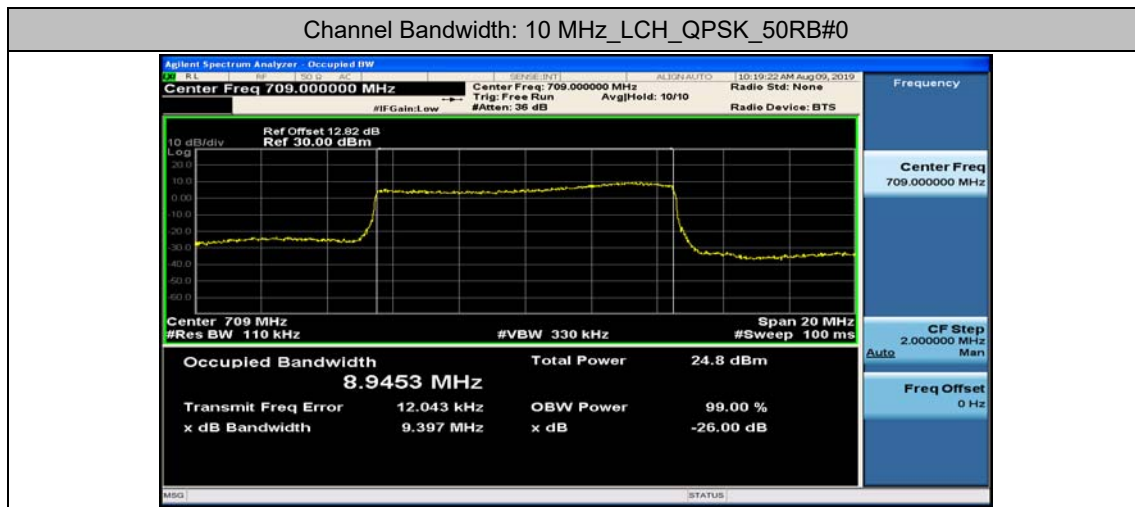
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



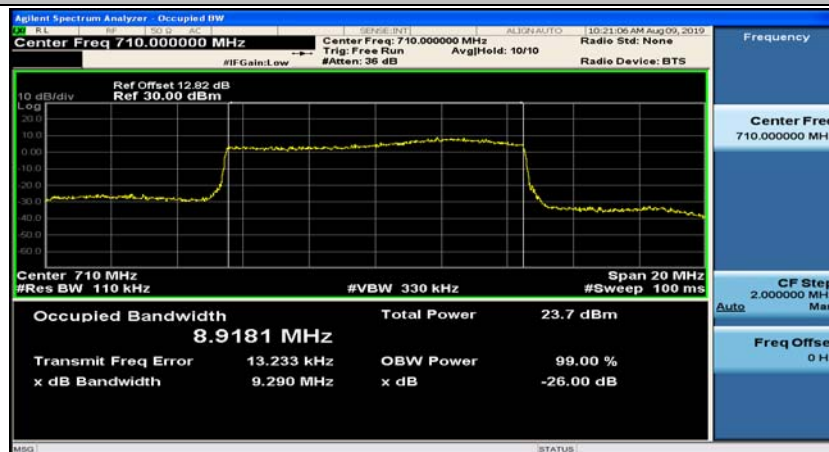
Channel Bandwidth: 10 MHz



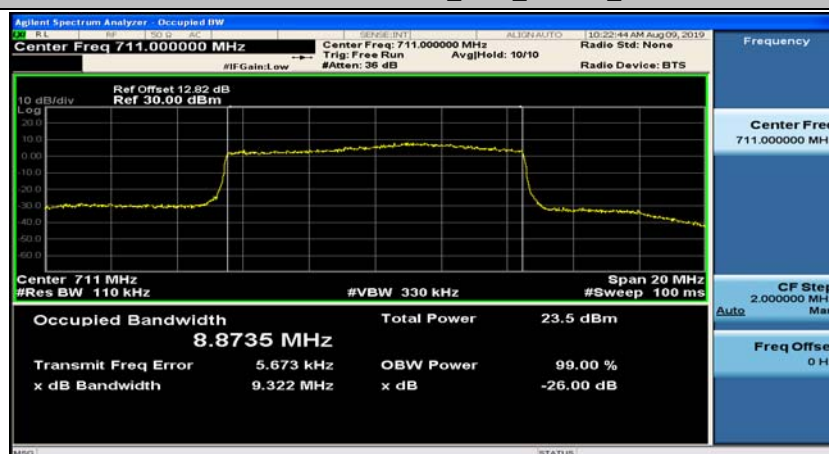
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

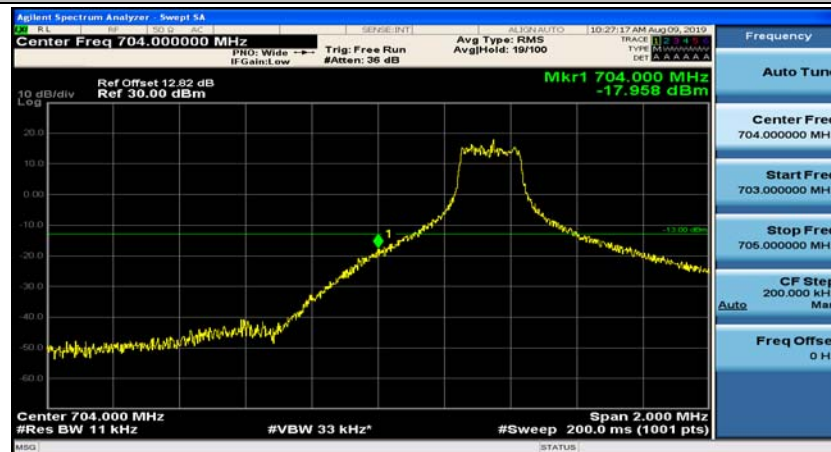


Appendix D: Band Edge

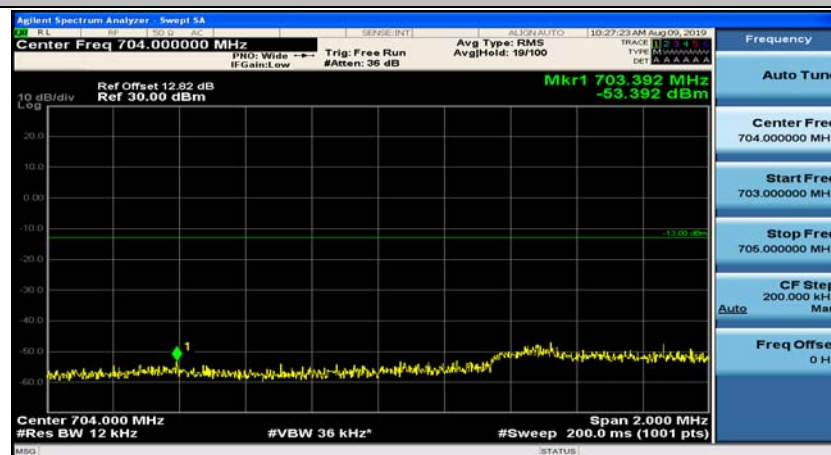
Test Graphs

Channel Bandwidth: 5 MHz

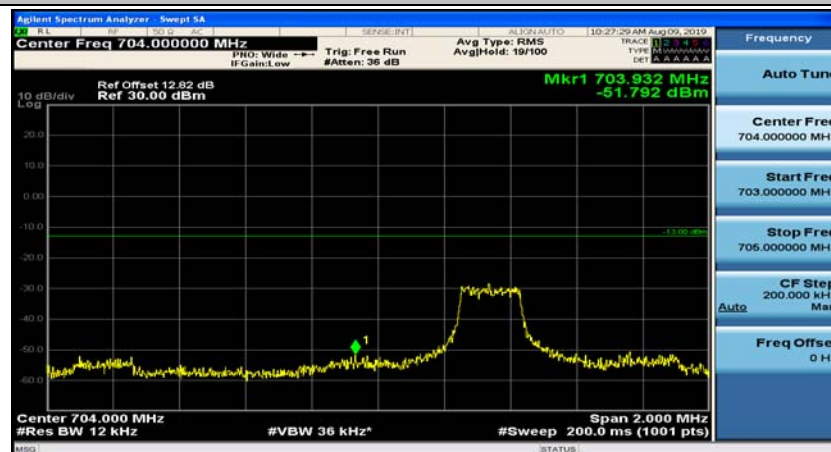
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(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



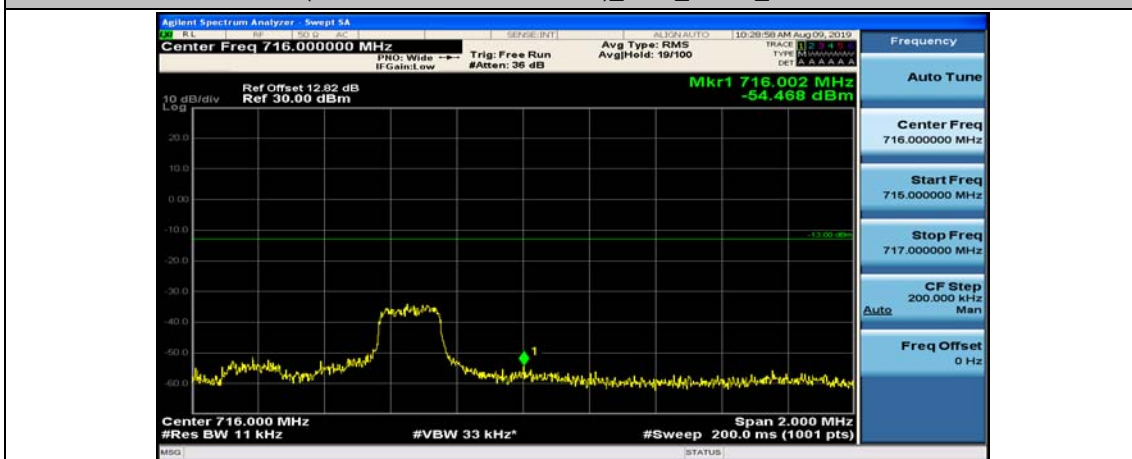
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



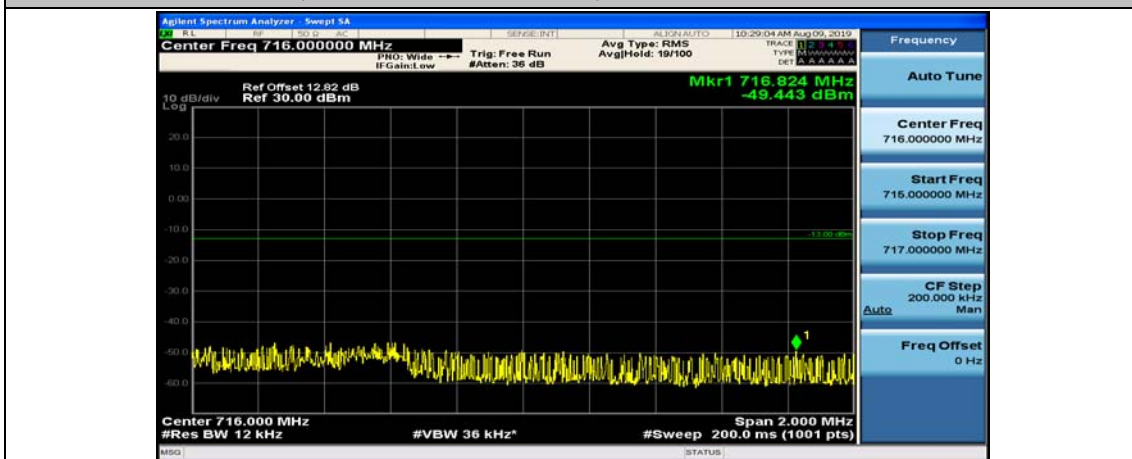
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



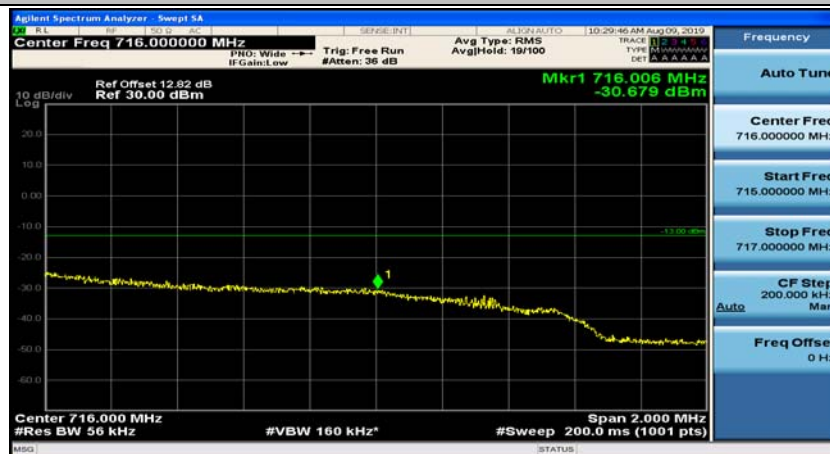
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



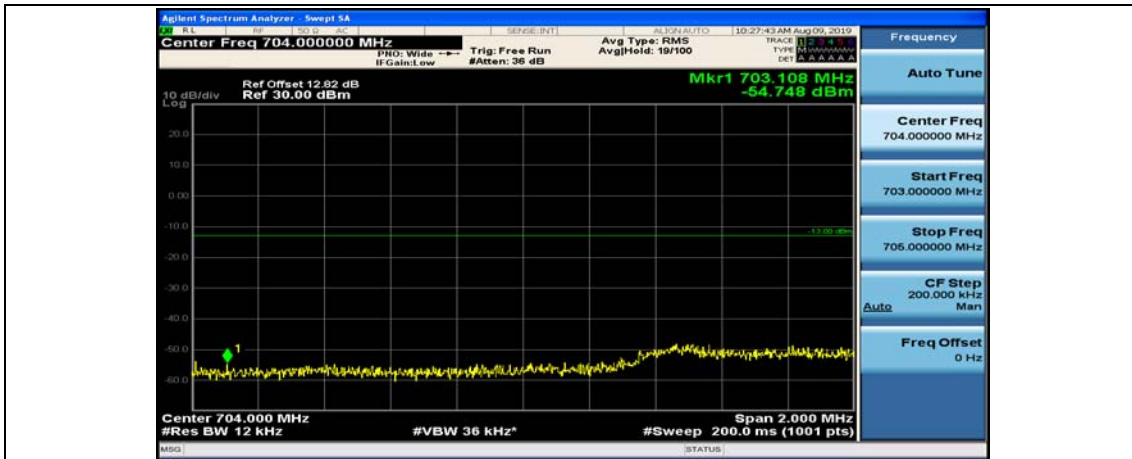
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



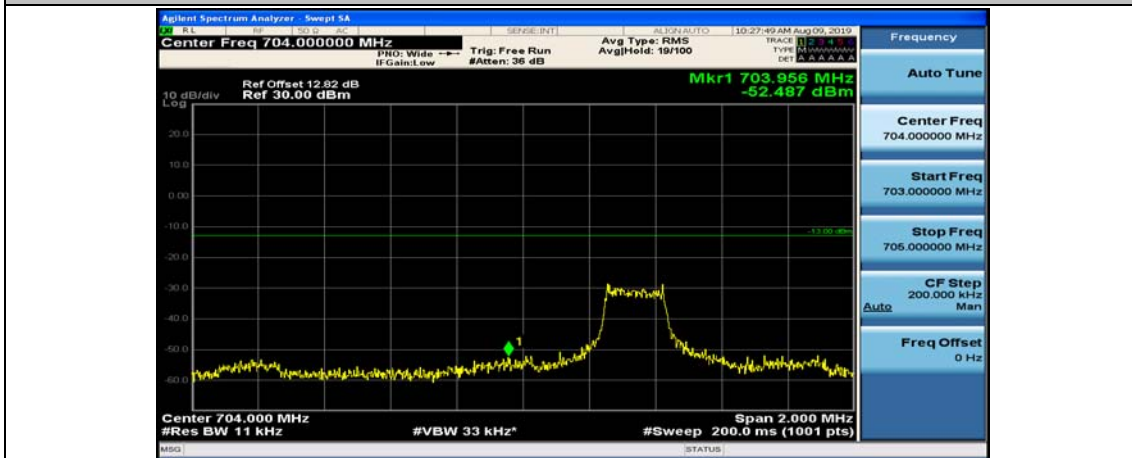
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



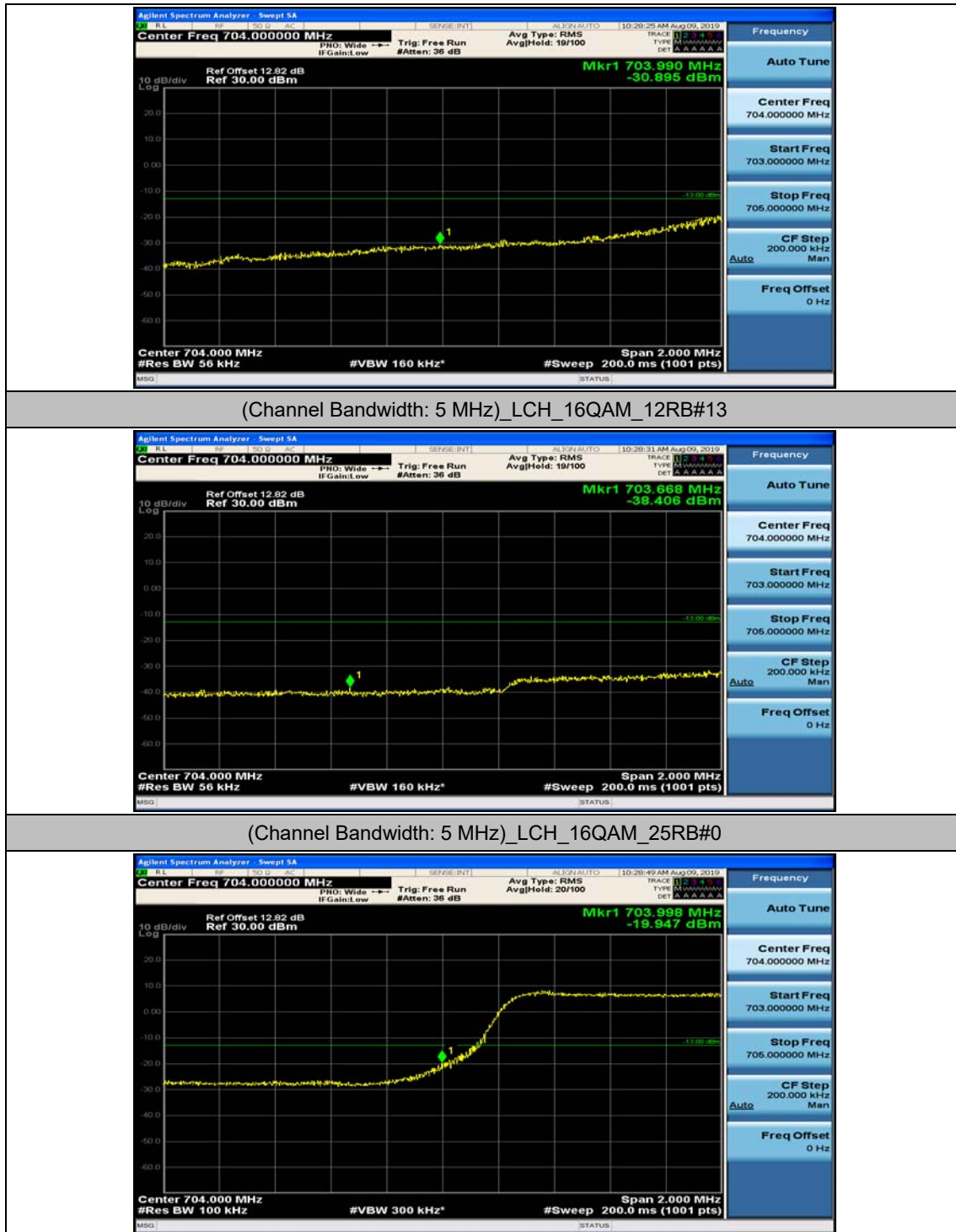
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



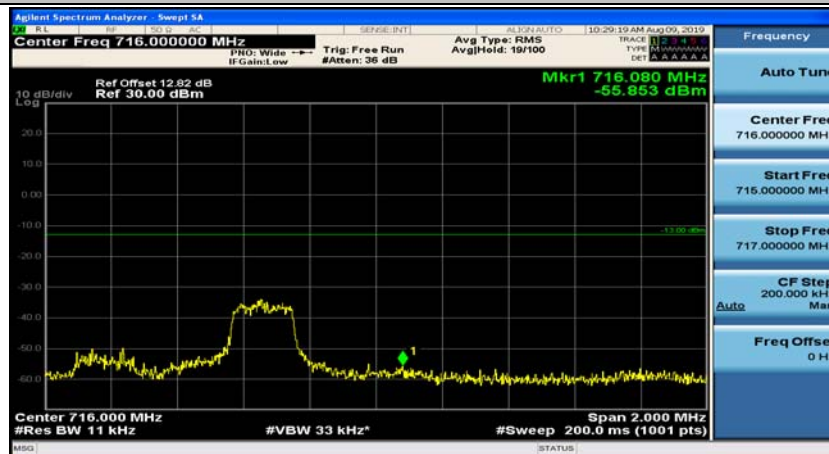
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



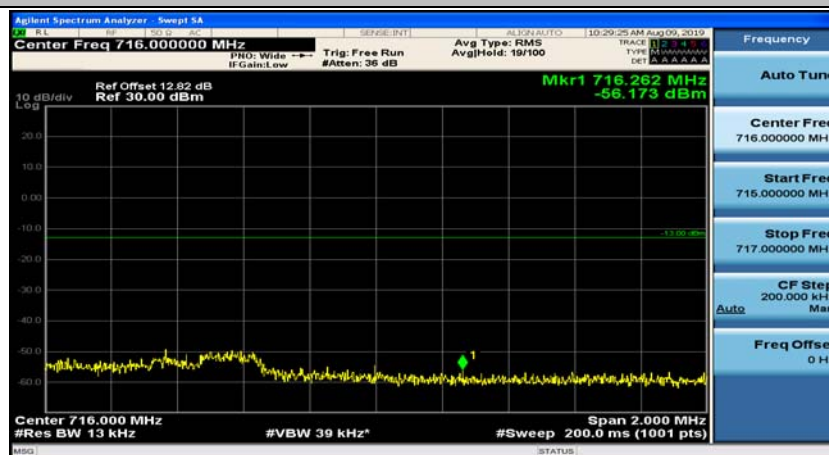
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_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



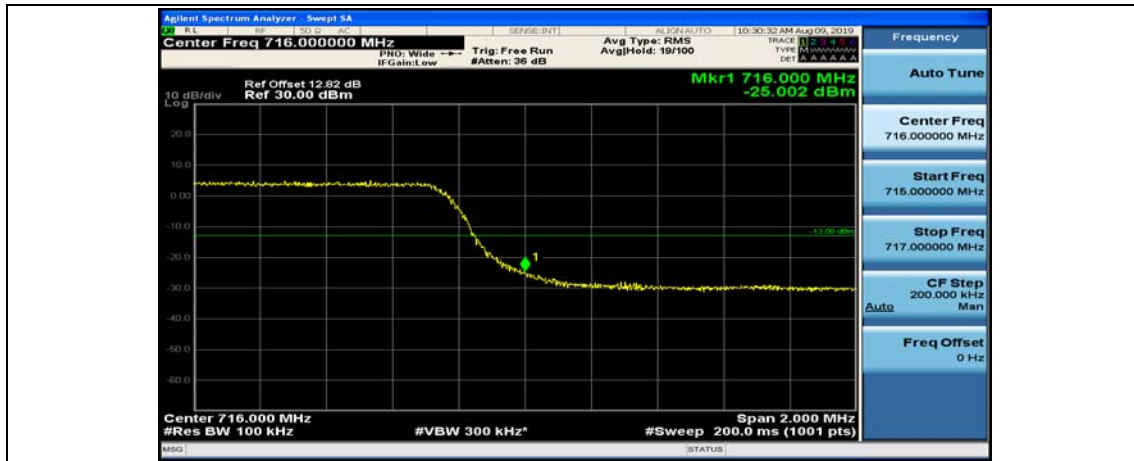
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



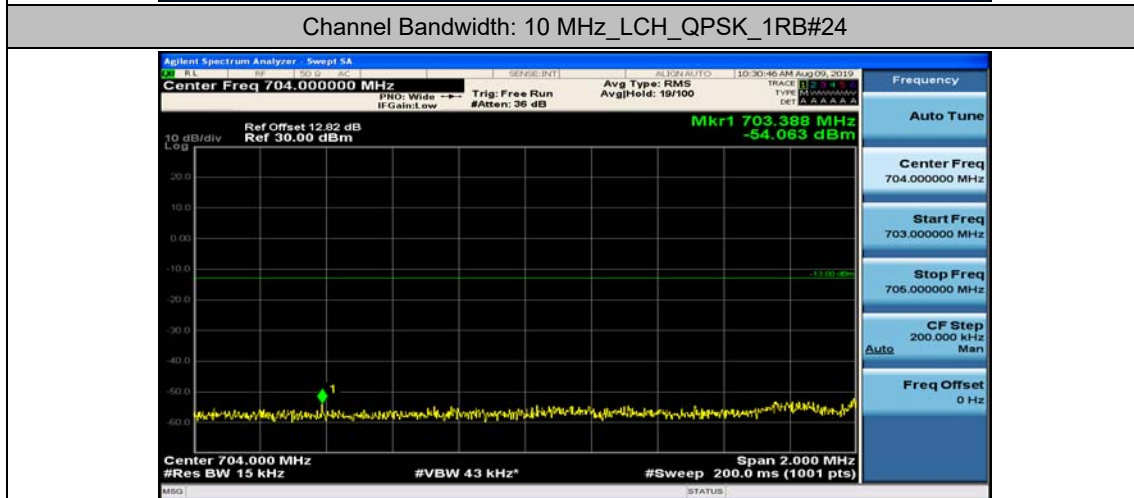
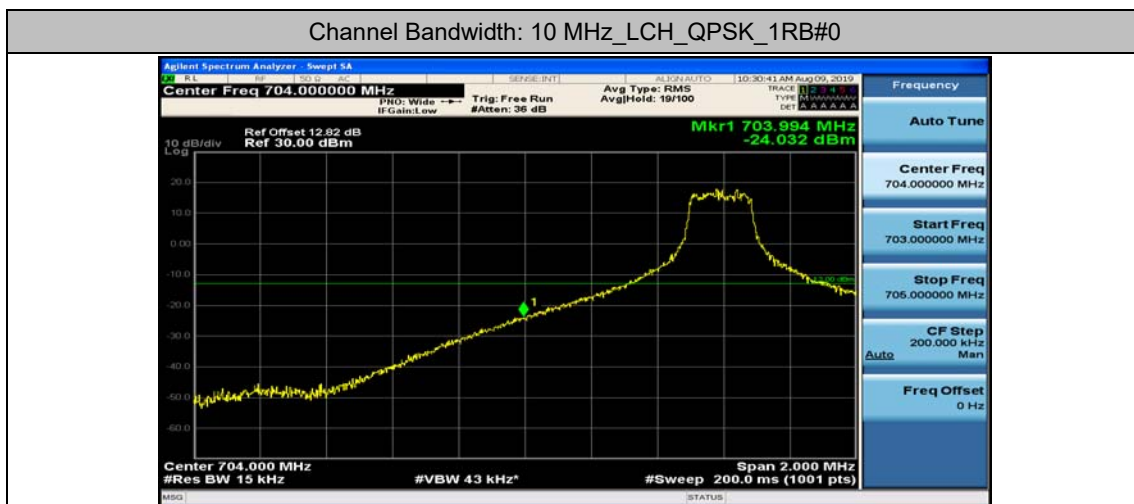
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

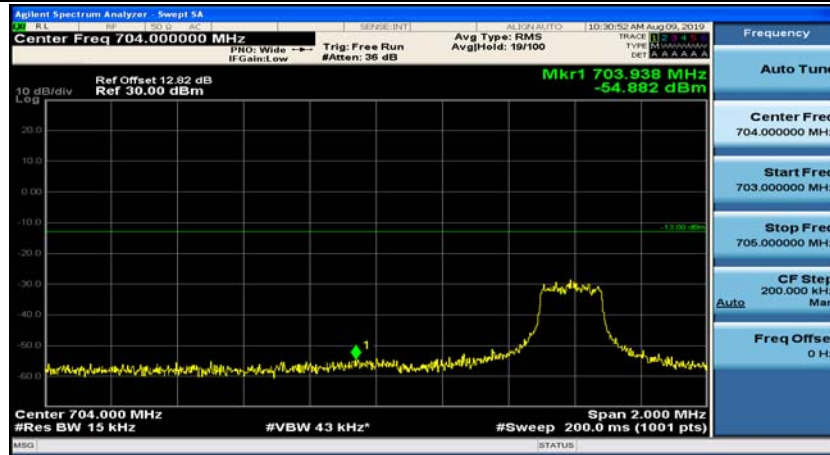


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

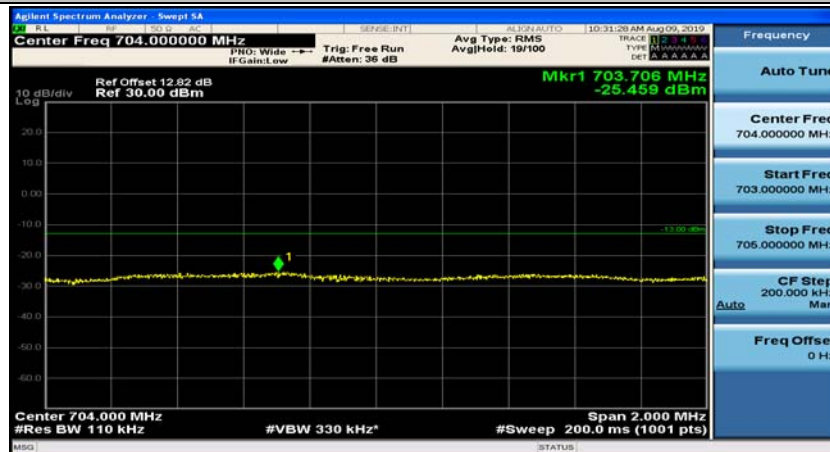




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



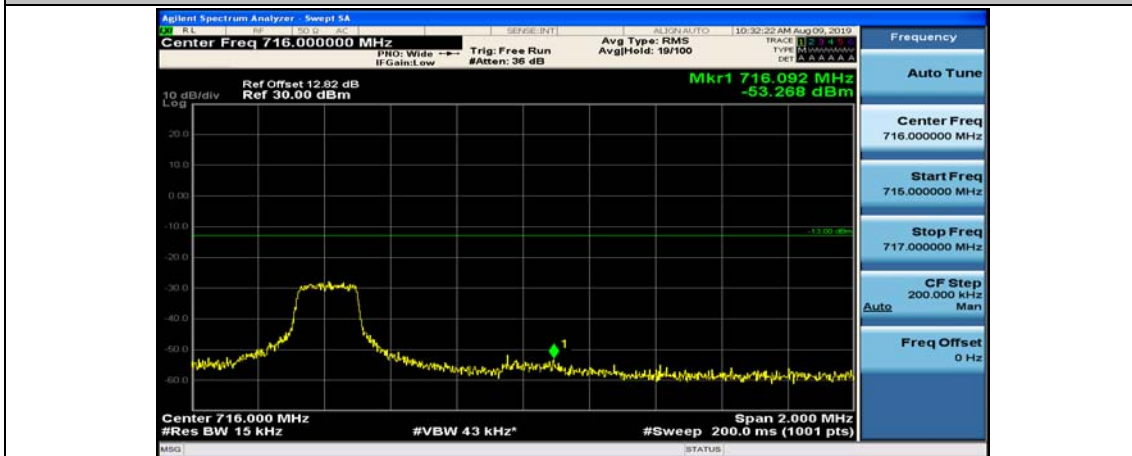
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



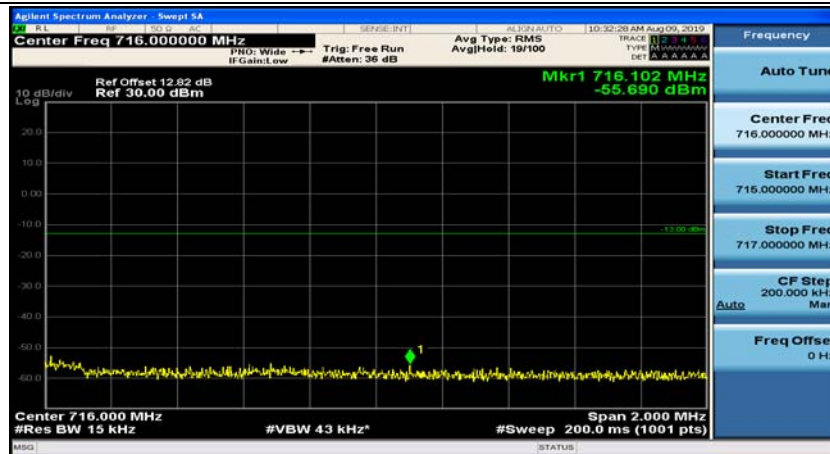
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

