

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	22.67	PASS
		1	12	22.2	PASS
		1	24	22.65	PASS
		12	0	21.67	PASS
		12	6	21.58	PASS
		12	13	21.44	PASS
		25	0	21.48	PASS
	MCH	1	0	22.35	PASS
		1	12	22.62	PASS
		1	24	22.23	PASS
		12	0	21.32	PASS
		12	6	21.43	PASS
		12	13	21.36	PASS
		25	0	21.4	PASS
	HCH	1	0	22.26	PASS
		1	12	22.26	PASS
		1	24	22.24	PASS
		12	0	21.28	PASS
		12	6	21.36	PASS
		12	13	21.21	PASS
		25	0	21.22	PASS
16QAM	LCH	1	0	21.06	PASS
		1	12	21.36	PASS
		1	24	21.96	PASS
		12	0	20.95	PASS
		12	6	20.92	PASS
		12	13	20.6	PASS
		25	0	20.56	PASS
	MCH	1	0	21.53	PASS
		1	12	21.88	PASS
		1	24	21.4	PASS

		12	0	20.57	PASS
		12	6	20.63	PASS
		12	13	20.55	PASS
		25	0	20.48	PASS
	HCH	1	0	21.38	PASS
		1	12	21.7	PASS
		1	24	21.35	PASS
		12	0	20.58	PASS
		12	6	20.44	PASS
		12	13	20.44	PASS
		25	0	20.64	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.33	PASS
		1	24	22.8	PASS
		1	49	22.18	PASS
		25	0	21.73	PASS
		25	12	21.45	PASS
		25	25	21.48	PASS
		50	0	21.53	PASS
	MCH	1	0	22.46	PASS
		1	24	22.47	PASS
		1	49	22.19	PASS
		25	0	21.69	PASS
		25	12	21.4	PASS
		25	25	21.39	PASS
		50	0	21.48	PASS
	HCH	1	0	22.65	PASS
		1	24	22.32	PASS
		1	49	22.23	PASS
		25	0	21.37	PASS
		25	12	21.24	PASS
		25	25	21.25	PASS
		50	0	21.32	PASS
16QAM	LCH	1	0	21.63	PASS
		1	24	21.8	PASS
		1	49	21.32	PASS
		25	0	20.6	PASS
		25	12	20.52	PASS
		25	25	20.98	PASS

	MCH	50	0	20.78	PASS
		1	0	21.98	PASS
		1	24	21.87	PASS
		1	49	21.36	PASS
		25	0	20.35	PASS
		25	12	20.97	PASS
		25	25	20.54	PASS
		50	0	20.82	PASS
	HCH	1	0	21.32	PASS
		1	24	21.62	PASS
		1	49	21.65	PASS
		25	0	20.62	PASS
		25	12	20.62	PASS
		25	25	20.75	PASS
		50	0	20.57	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	4.45	<13	PASS
		1	12	4.45	<13	PASS
		1	24	4.49	<13	PASS
		12	0	5.41	<13	PASS
		12	6	5.55	<13	PASS
		12	13	5.5	<13	PASS
		25	0	5.5	<13	PASS
	MCH	1	0	4.65	<13	PASS
		1	12	4.01	<13	PASS
		1	24	3.66	<13	PASS
		12	0	5.48	<13	PASS
		12	6	5.14	<13	PASS
		12	13	4.84	<13	PASS
		25	0	5.17	<13	PASS
	HCH	1	0	4.05	<13	PASS
		1	12	3.7	<13	PASS
		1	24	4.12	<13	PASS
		12	0	4.83	<13	PASS
		12	6	4.72	<13	PASS
		12	13	4.99	<13	PASS
		25	0	4.95	<13	PASS
16QAM	LCH	1	0	5.17	<13	PASS
		1	12	5.38	<13	PASS
		1	24	5.39	<13	PASS
		12	0	6.23	<13	PASS
		12	6	6.36	<13	PASS
		12	13	6.25	<13	PASS
		25	0	6.28	<13	PASS
	MCH	1	0	5.69	<13	PASS
		1	12	4.81	<13	PASS
		1	24	4.73	<13	PASS
		12	0	6.31	<13	PASS

		12	6	5.96	<13	PASS
		12	13	5.73	<13	PASS
		25	0	5.98	<13	PASS
	HCH	1	0	4.88	<13	PASS
		1	12	4.45	<13	PASS
		1	24	4.84	<13	PASS
		12	0	5.67	<13	PASS
		12	6	5.59	<13	PASS
		12	13	5.82	<13	PASS
		25	0	5.75	<13	PASS

Channel Bandwidth: 10 MHz

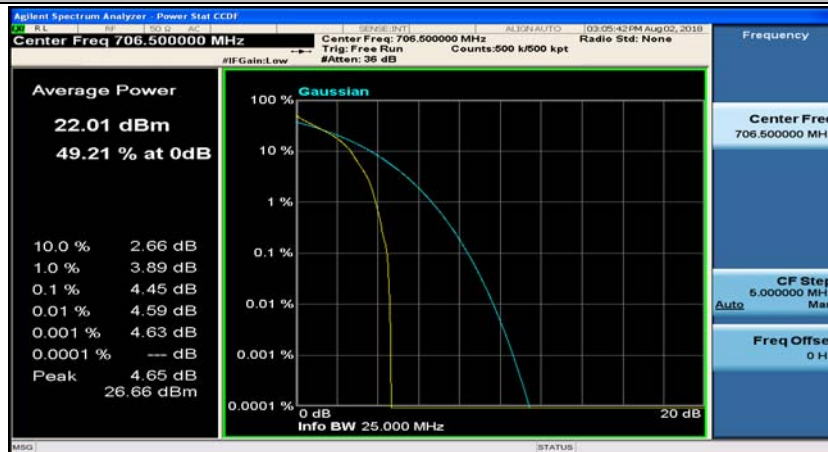
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	4.39	<13	PASS
		1	24	4.38	<13	PASS
		1	49	3.79	<13	PASS
		25	0	5.53	<13	PASS
		25	12	5.31	<13	PASS
		25	25	4.9	<13	PASS
		50	0	5.26	<13	PASS
	MCH	1	0	4.41	<13	PASS
		1	24	4.05	<13	PASS
		1	49	3.68	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.15	<13	PASS
		25	25	4.83	<13	PASS
		50	0	5.28	<13	PASS
	HCH	1	0	4.7	<13	PASS
		1	24	3.8	<13	PASS
		1	49	4.08	<13	PASS
		25	0	5.27	<13	PASS
		25	12	4.97	<13	PASS
		25	25	4.84	<13	PASS
		50	0	5.24	<13	PASS
16QAM	LCH	1	0	5.21	<13	PASS
		1	24	5.19	<13	PASS
		1	49	4.67	<13	PASS
		25	0	6.37	<13	PASS
		25	12	6.21	<13	PASS

		25	25	5.77	<13	PASS
		50	0	6.04	<13	PASS
	MCH	1	0	5.23	<13	PASS
		1	24	4.93	<13	PASS
		1	49	4.49	<13	PASS
		25	0	6.36	<13	PASS
		25	12	6.05	<13	PASS
		25	25	5.71	<13	PASS
		50	0	6.06	<13	PASS
	HCH	1	0	5.61	<13	PASS
		1	24	4.73	<13	PASS
		1	49	4.73	<13	PASS
		25	0	6.25	<13	PASS
		25	12	5.87	<13	PASS
		25	25	5.77	<13	PASS
		50	0	6.04	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



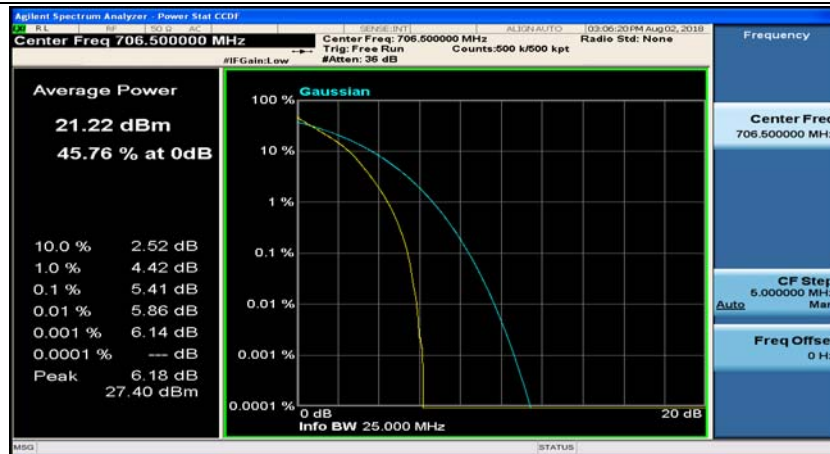
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



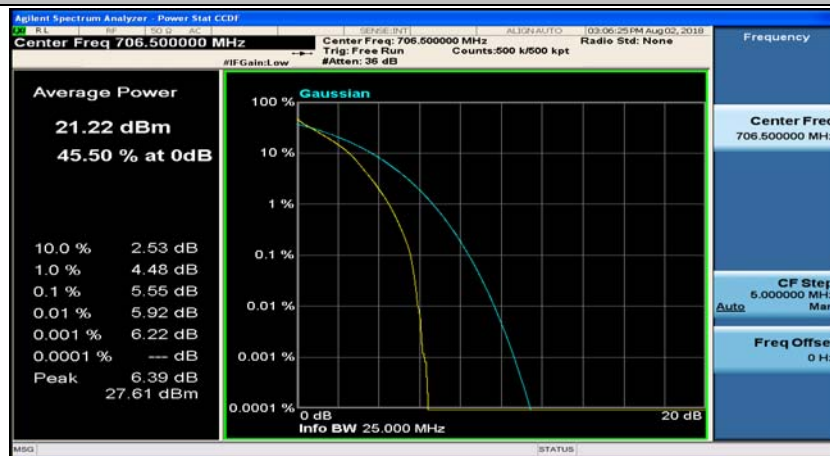
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



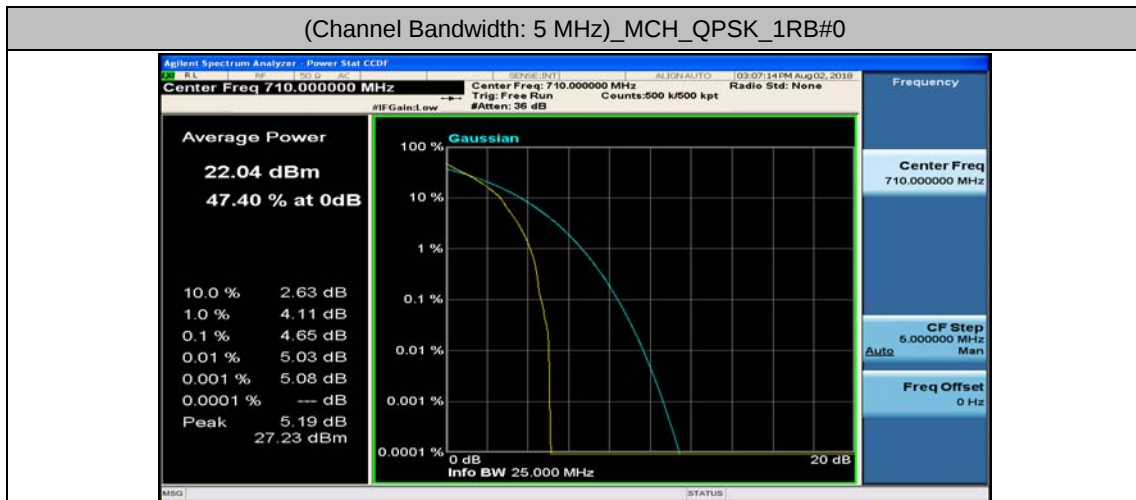
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



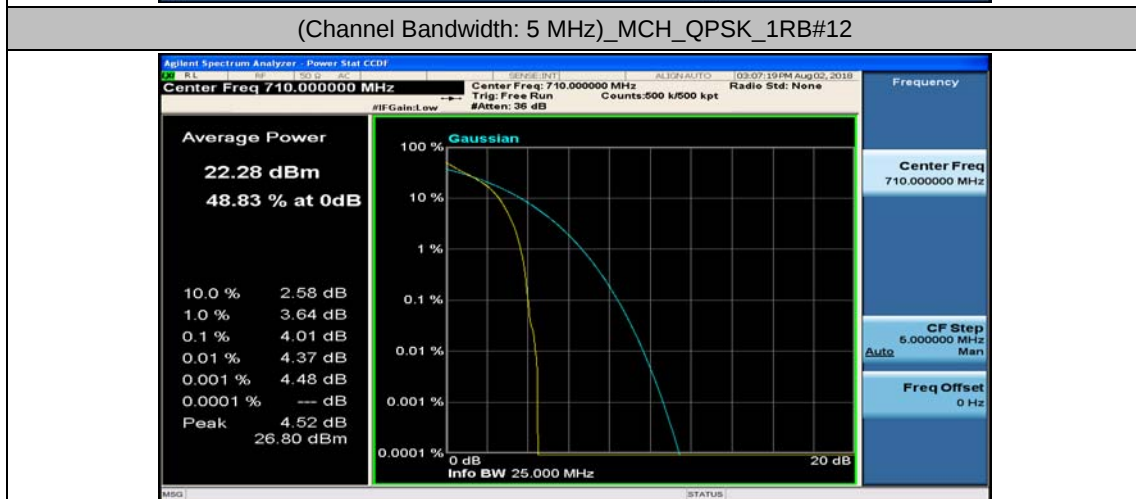
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



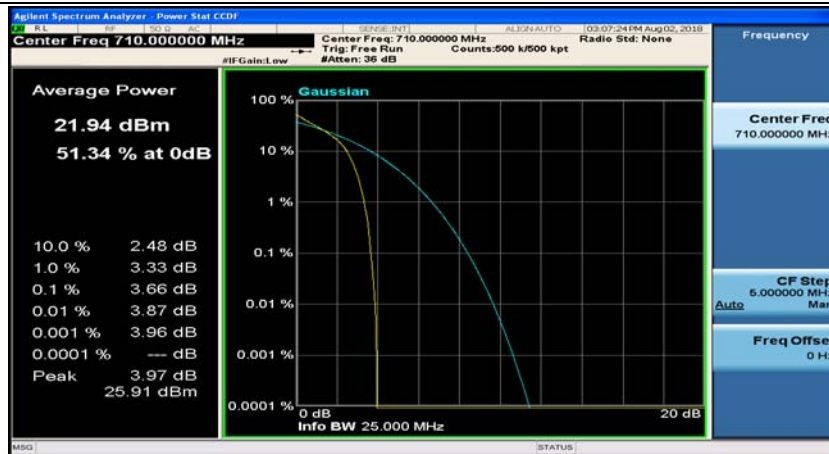
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



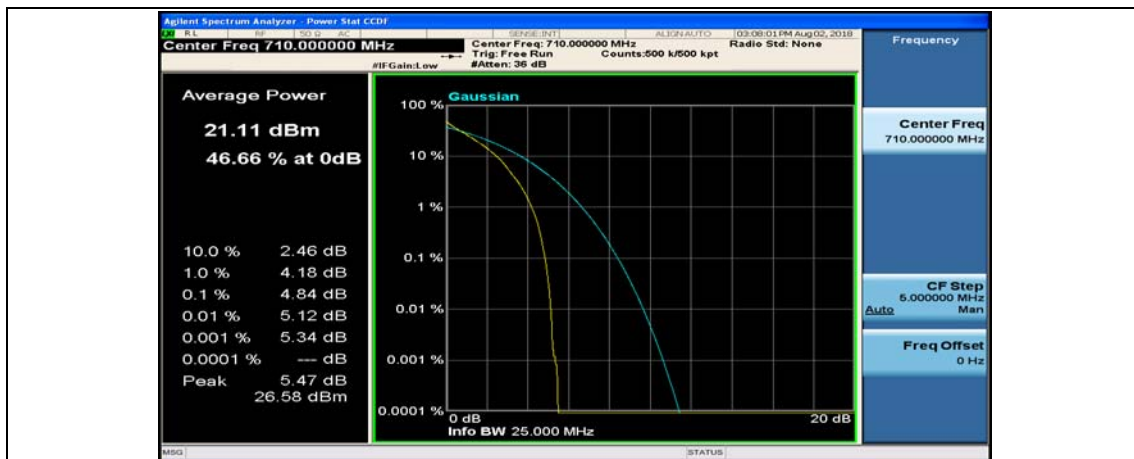
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



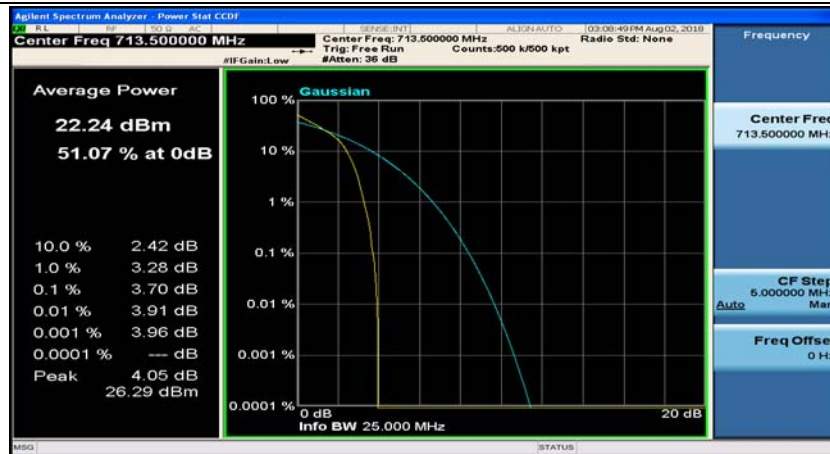
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



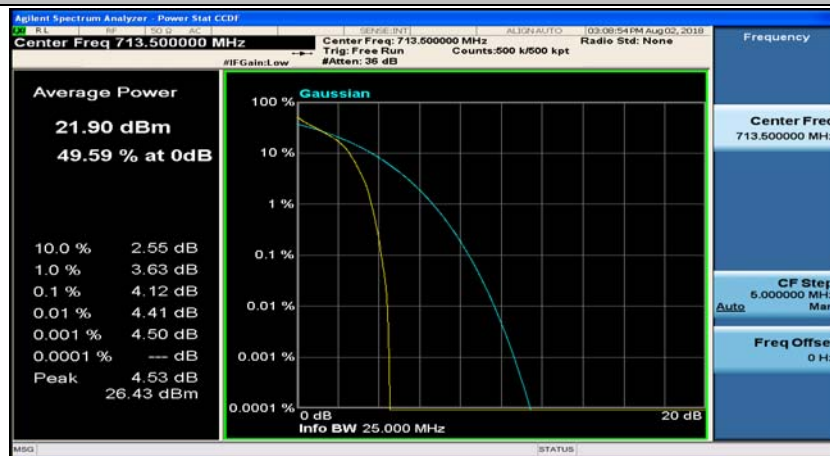
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



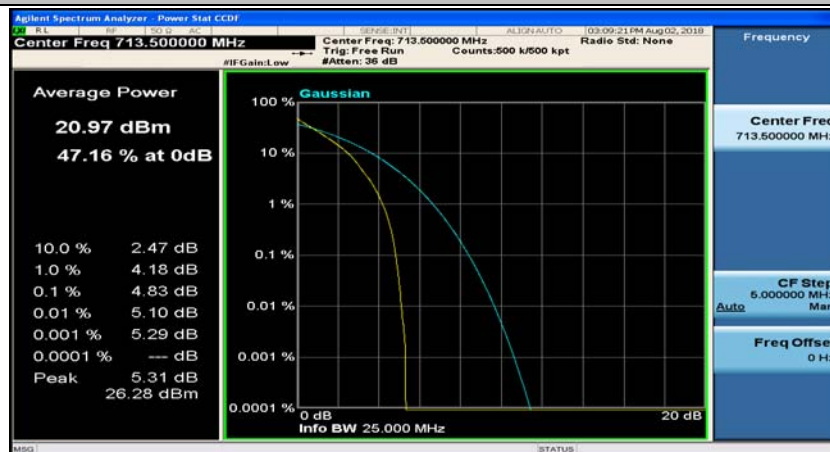
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



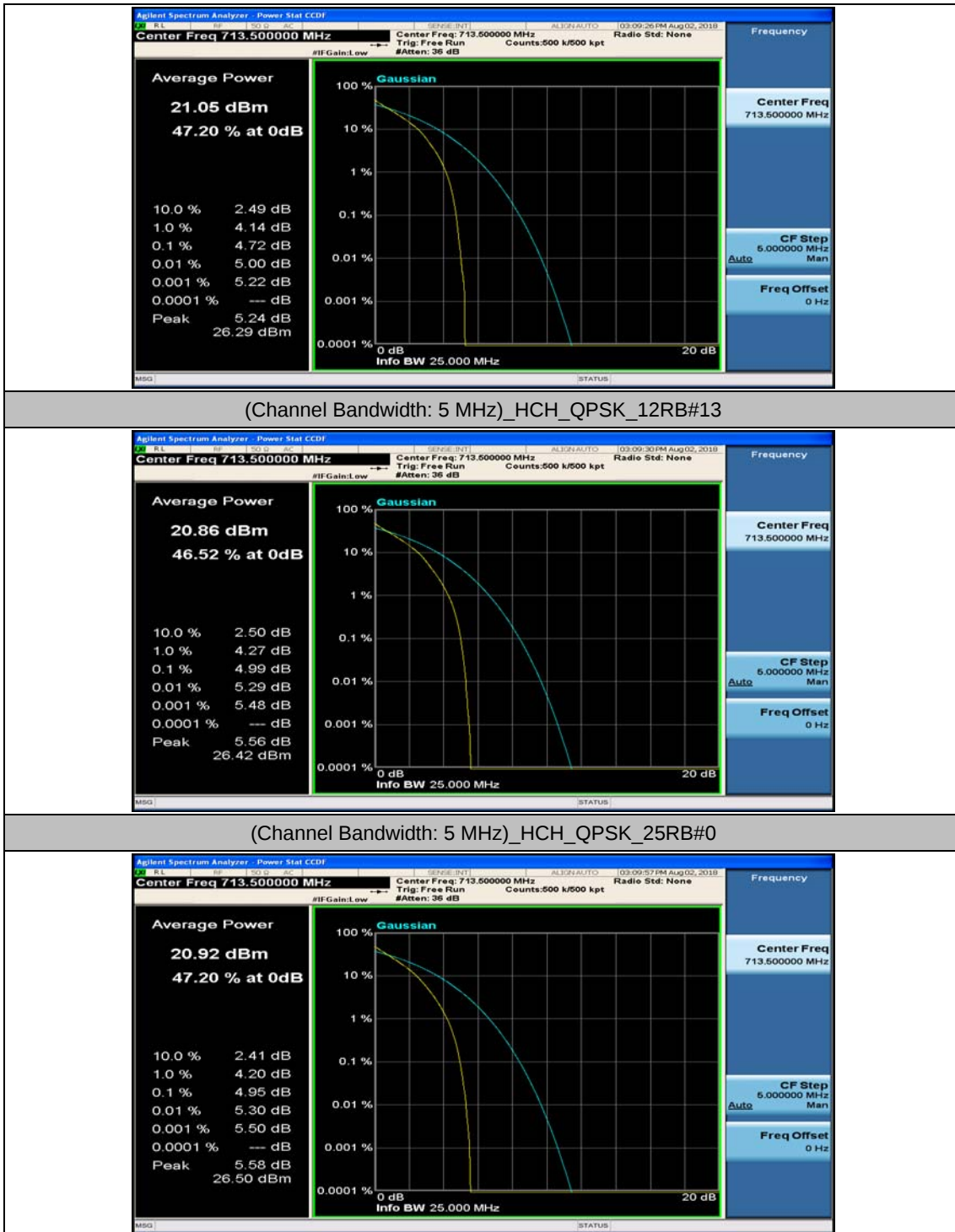
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



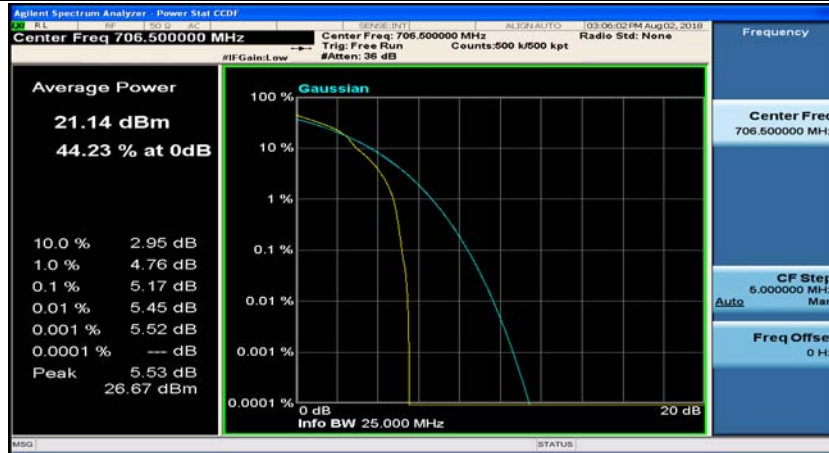
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



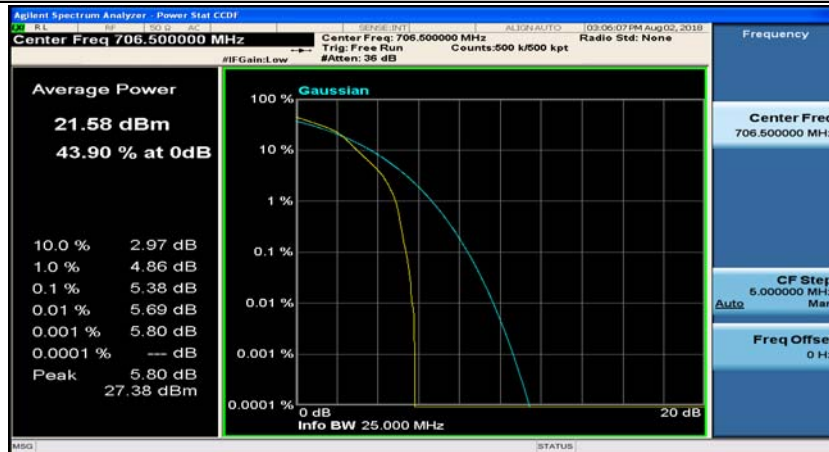
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



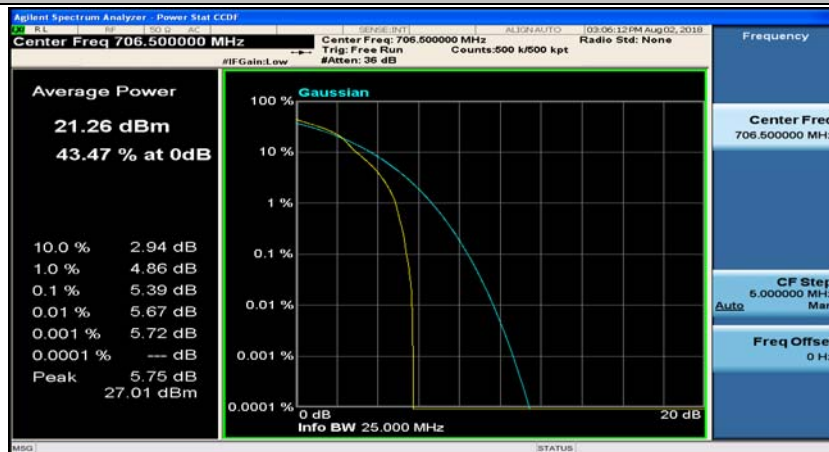
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



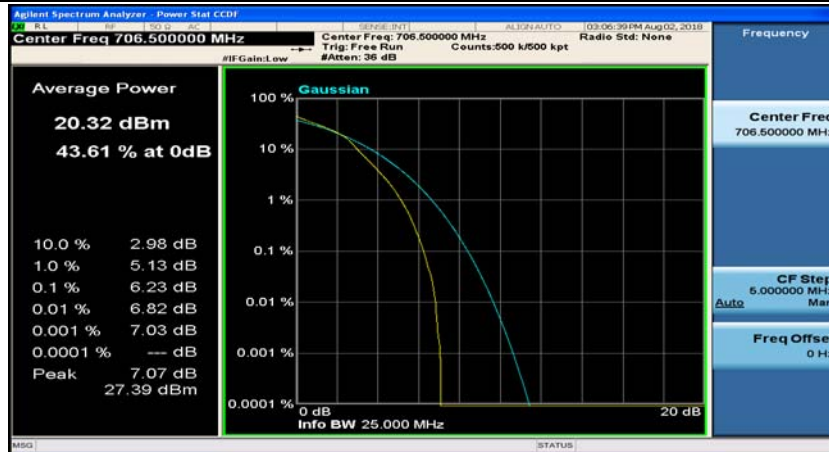
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



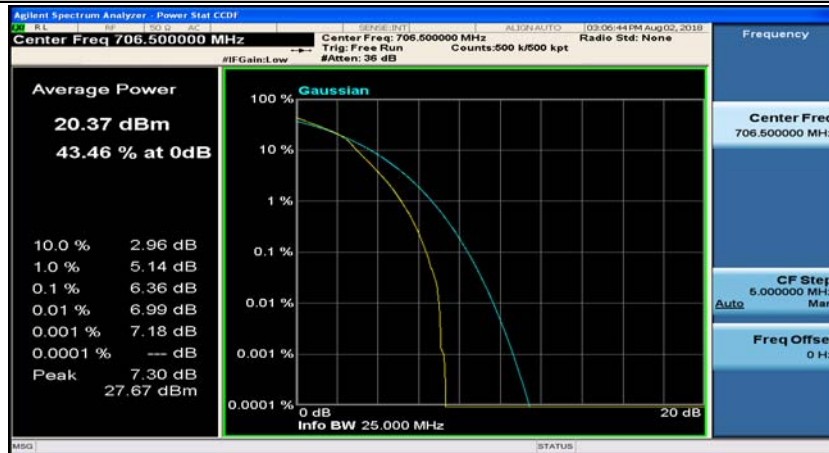
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



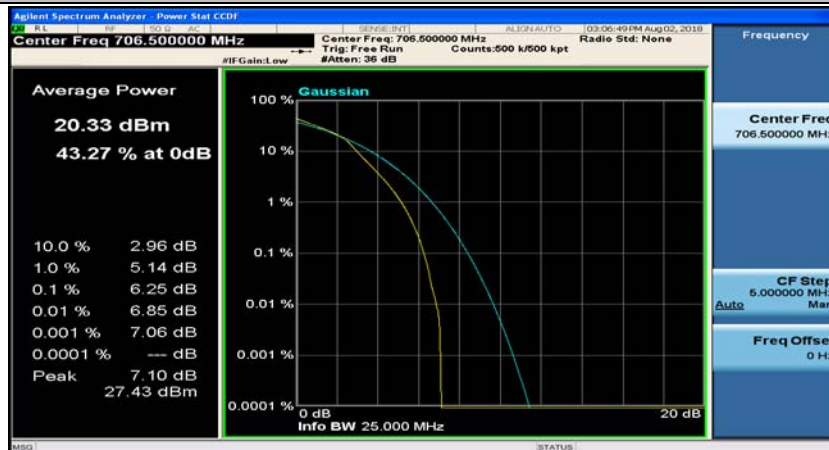
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



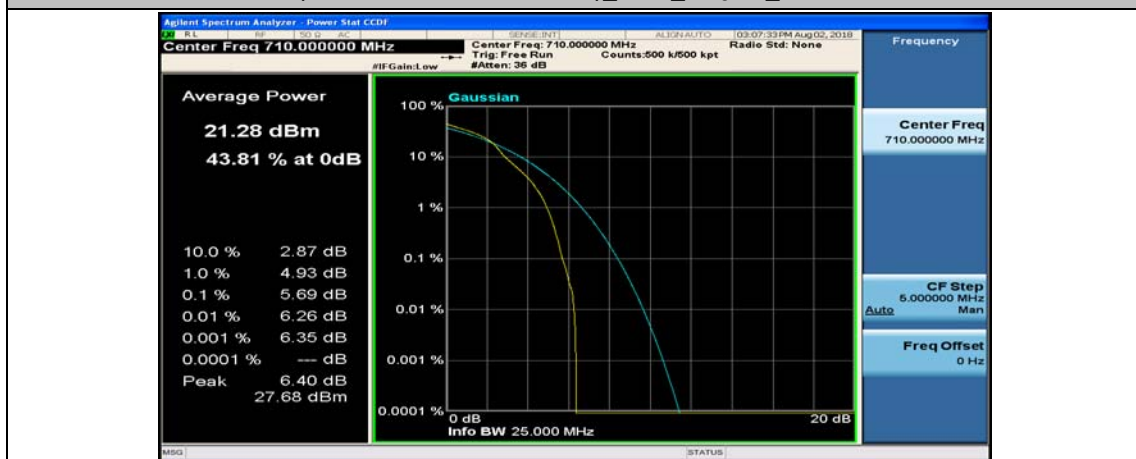
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



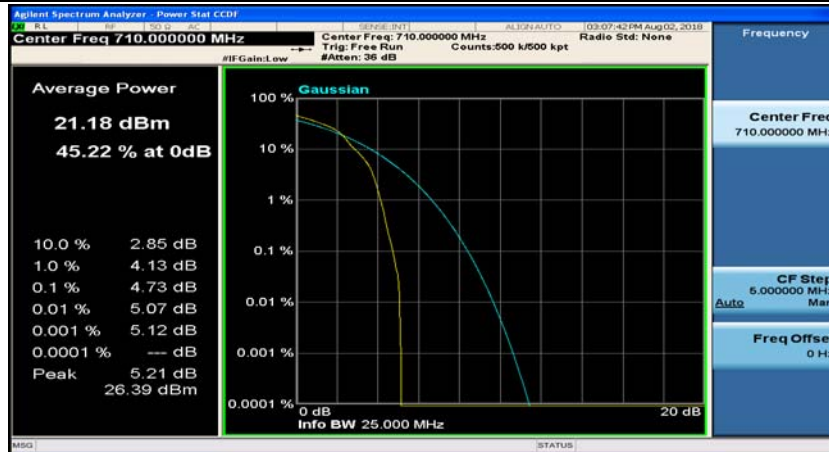
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



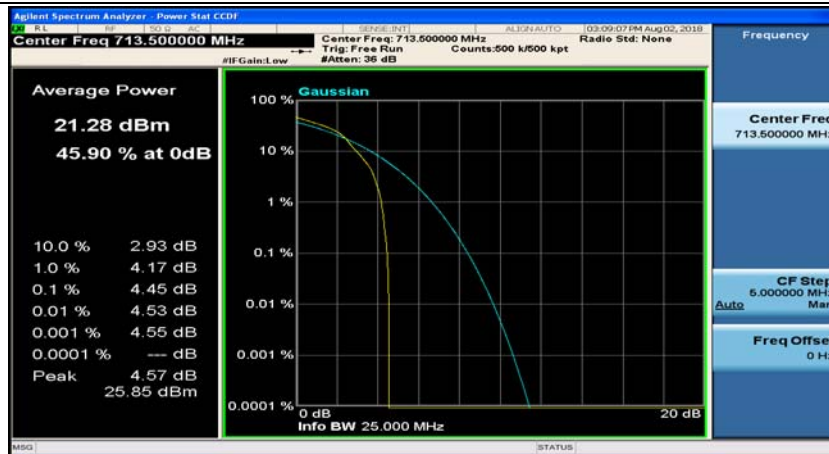
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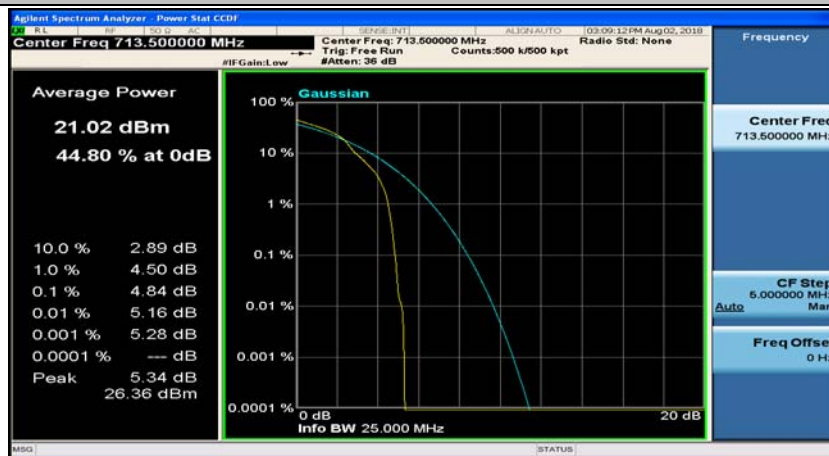
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(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



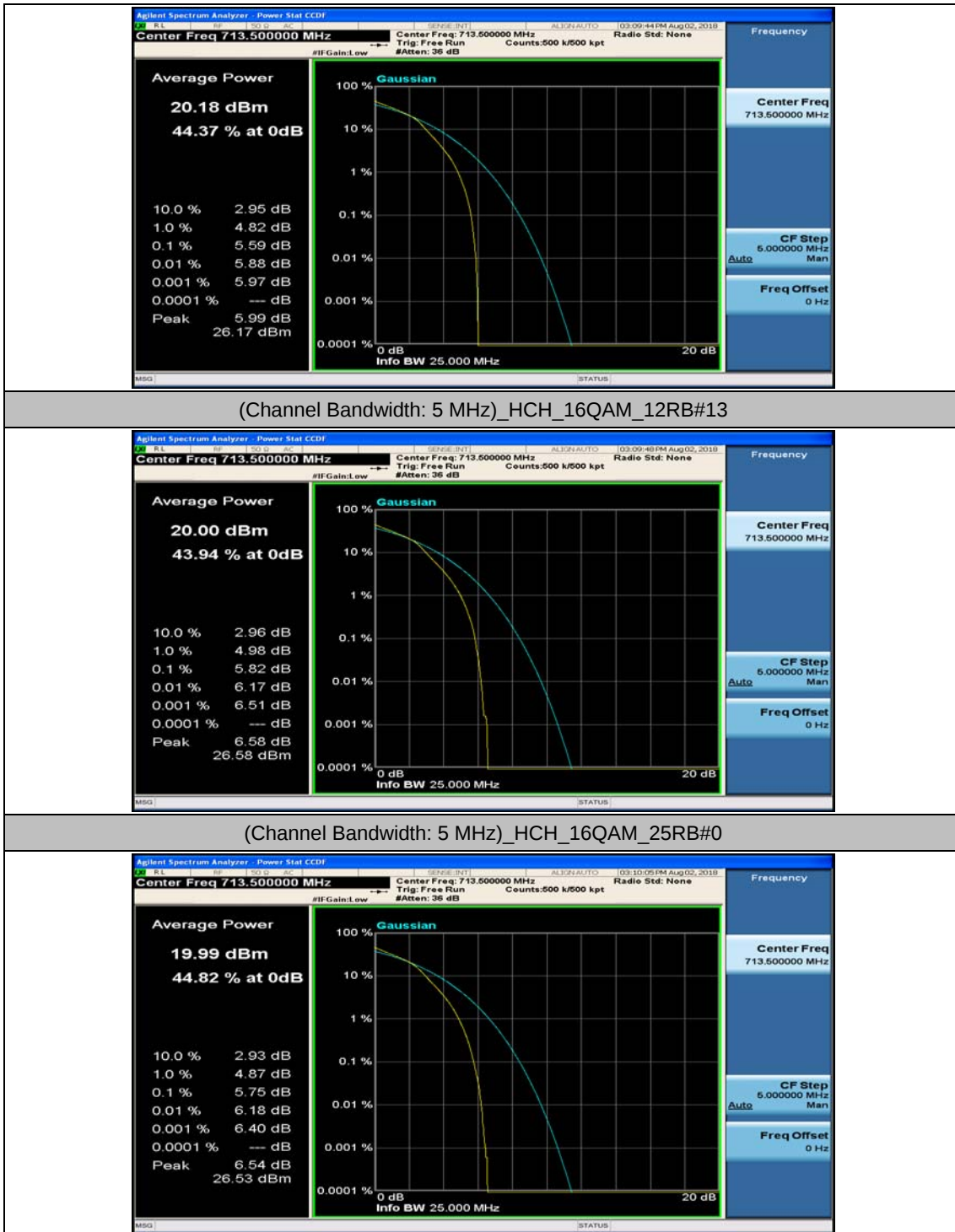
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



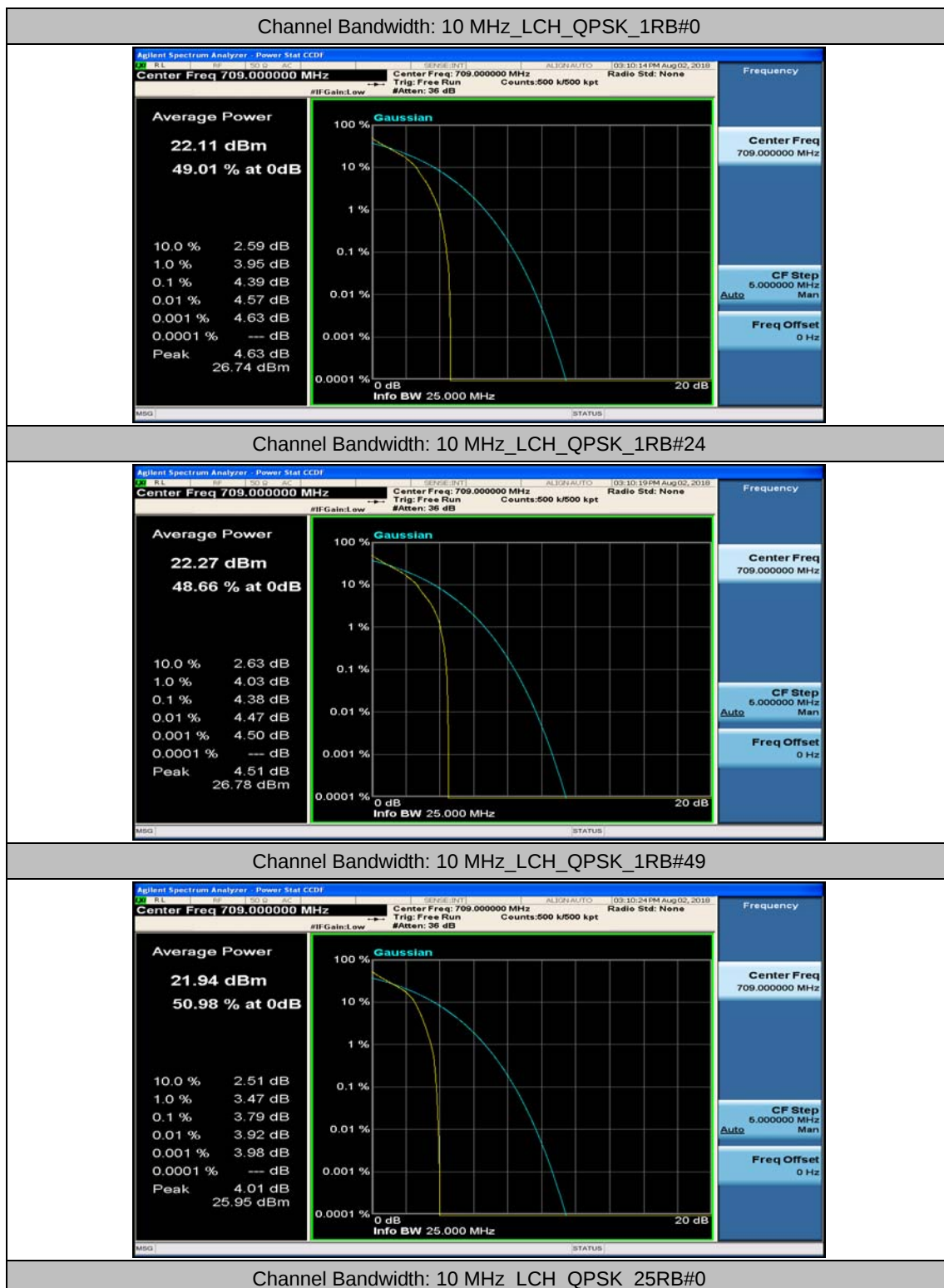
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

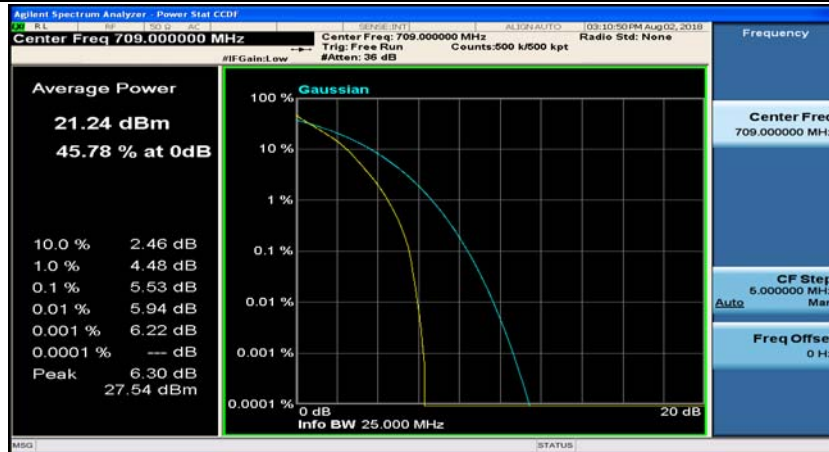


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



Channel Bandwidth: 10 MHz

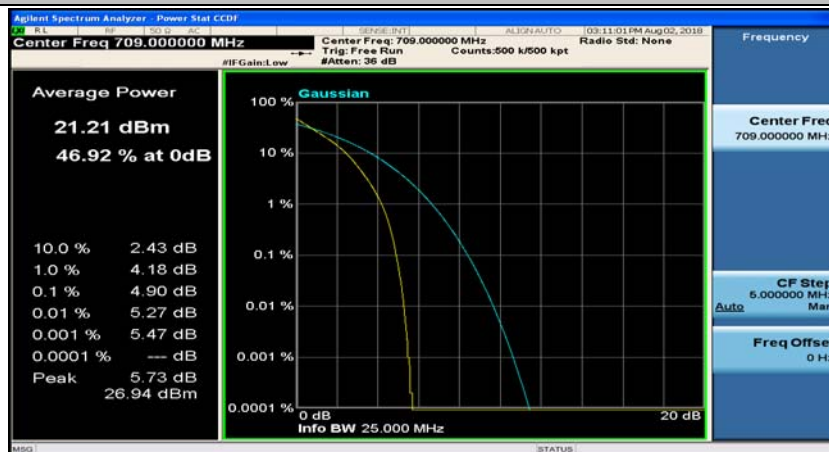




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



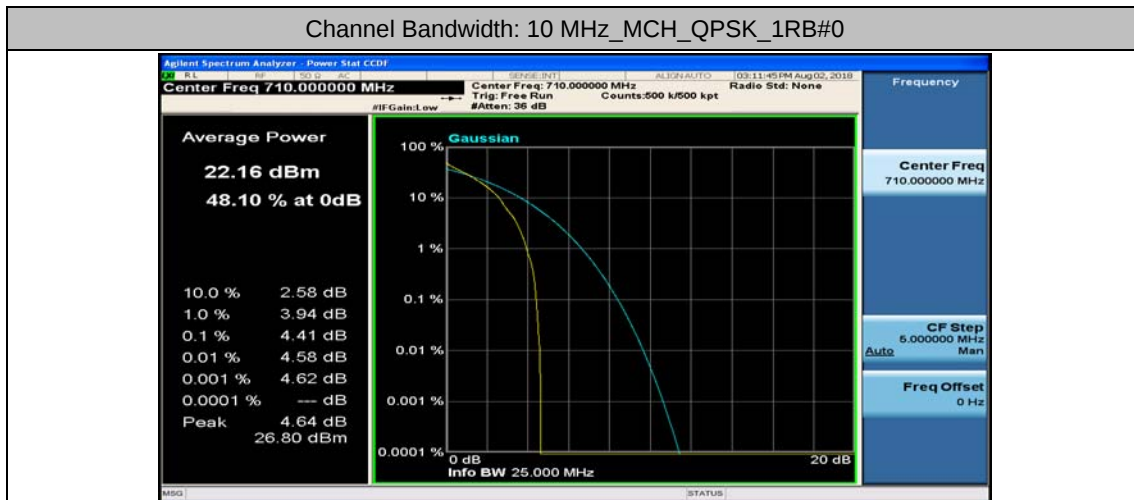
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



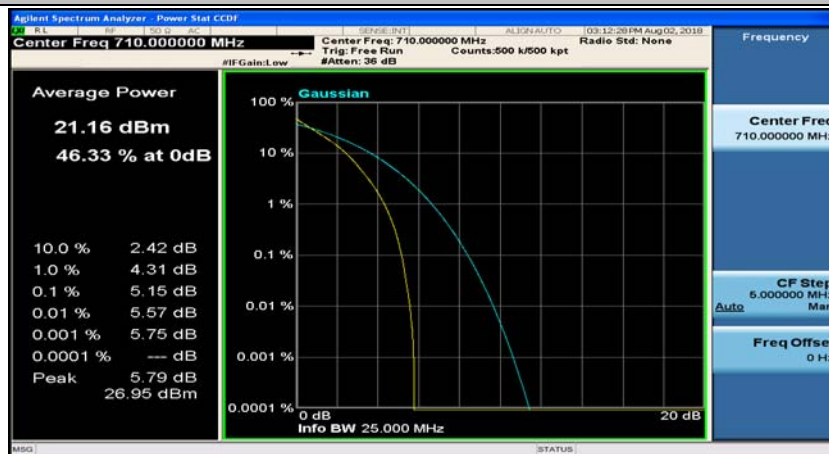
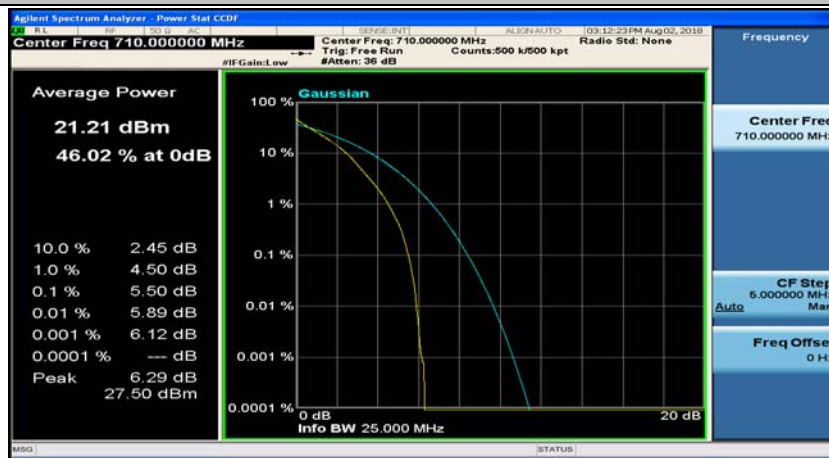
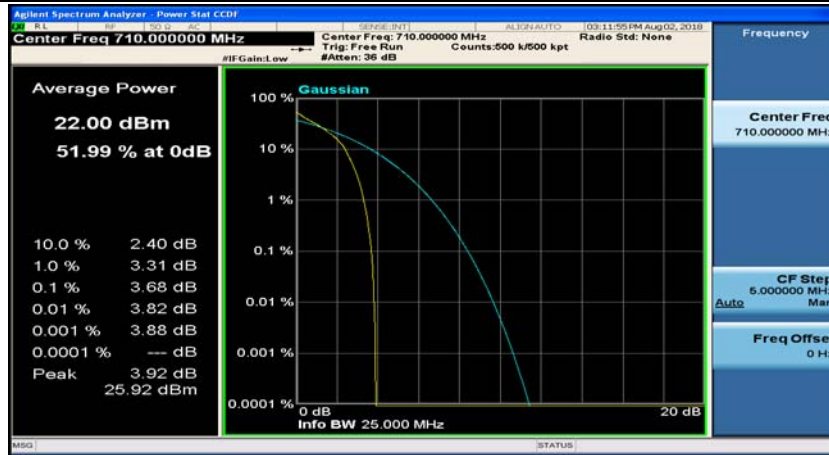
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

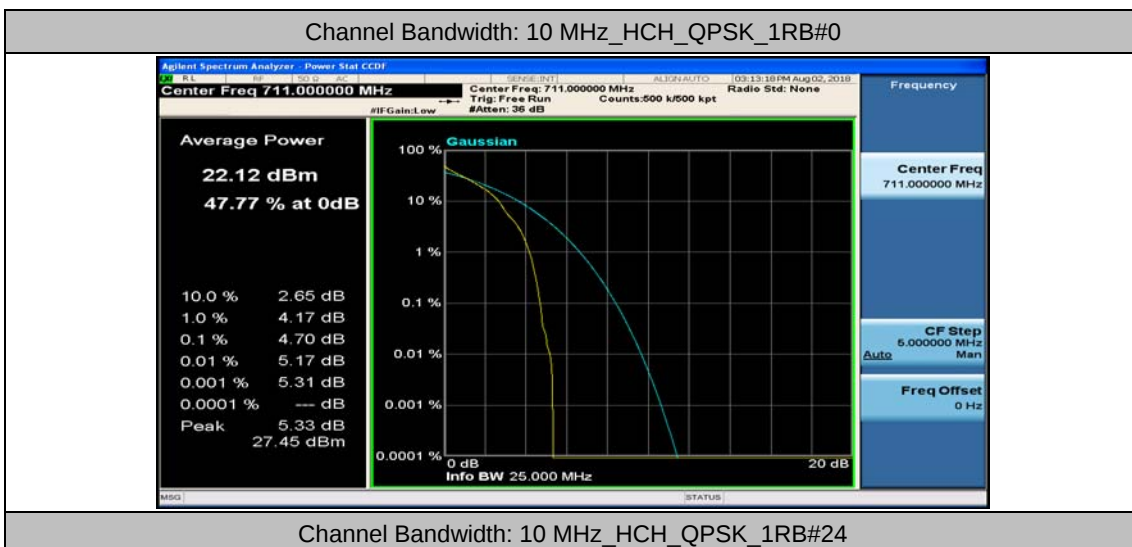
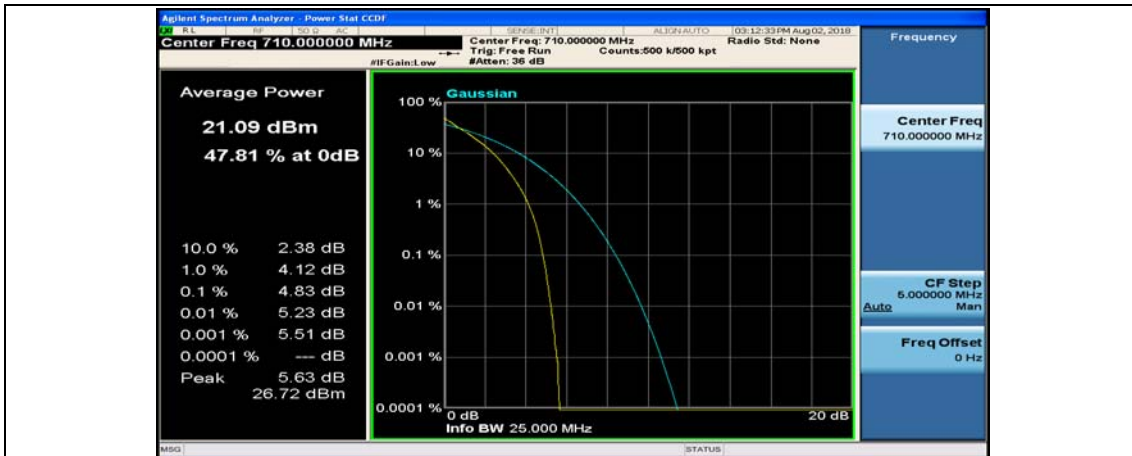


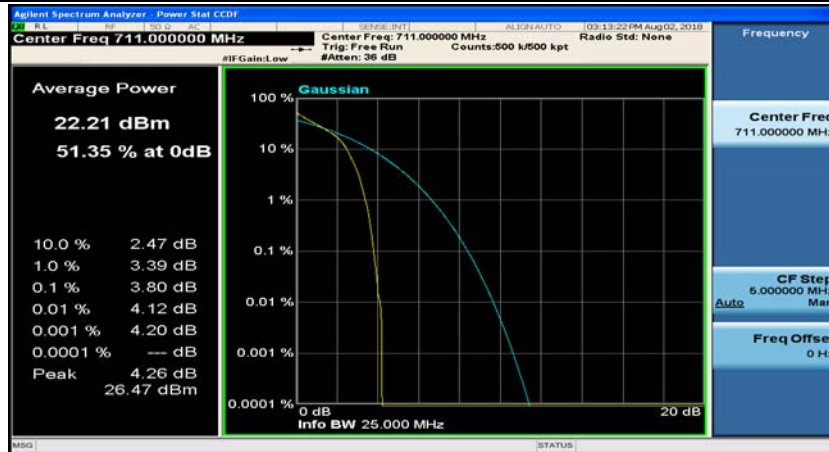
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



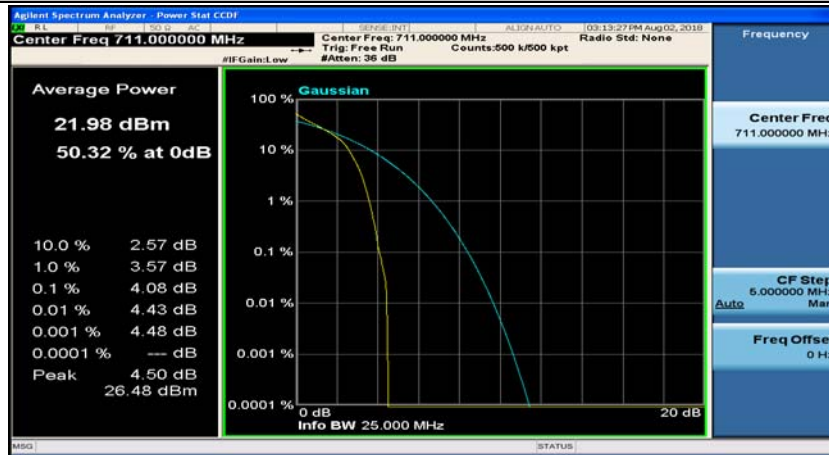
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



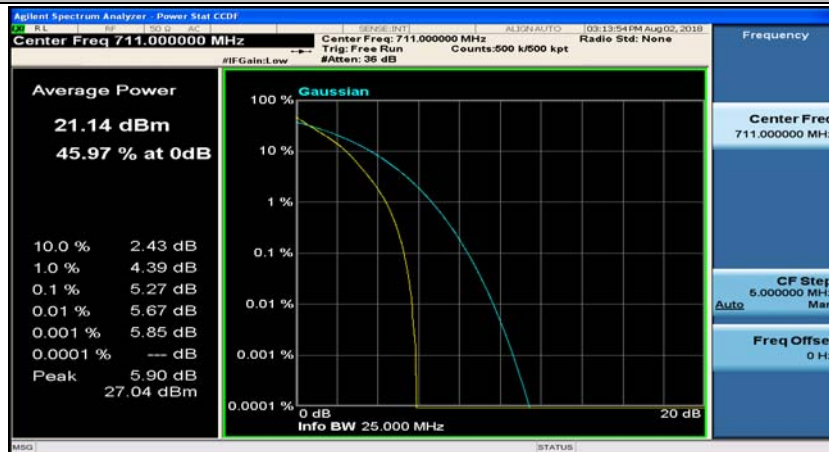




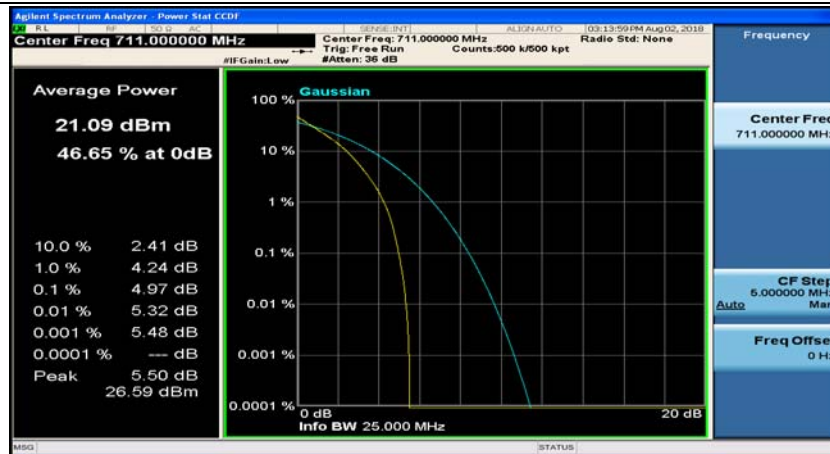
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



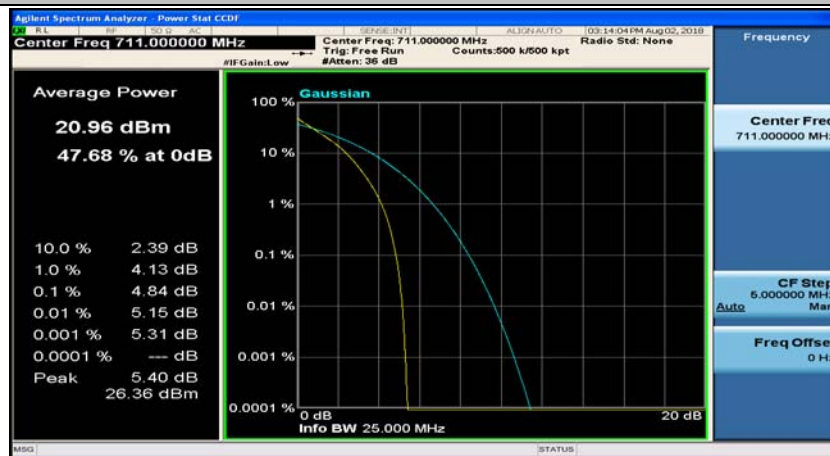
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



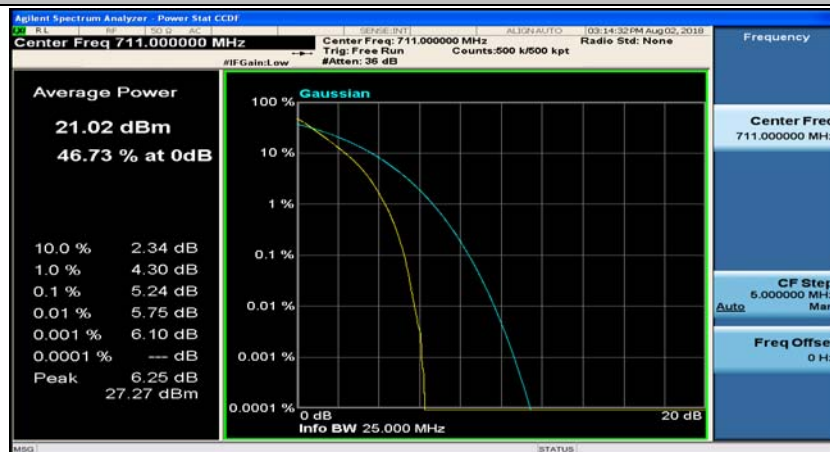
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



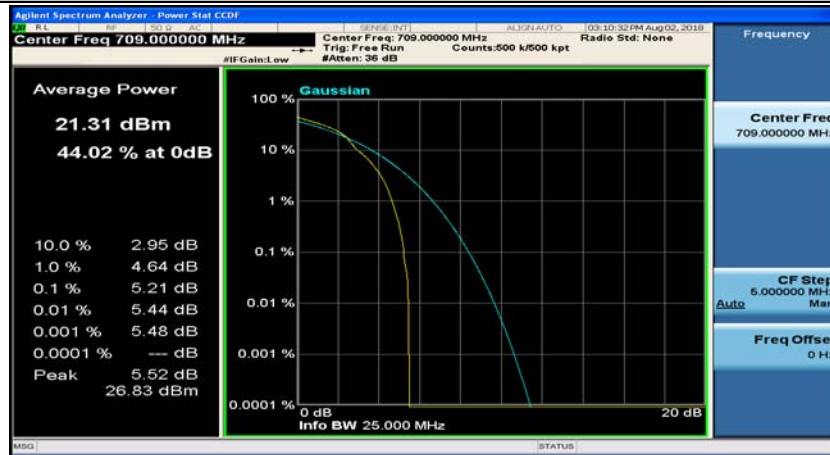
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



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





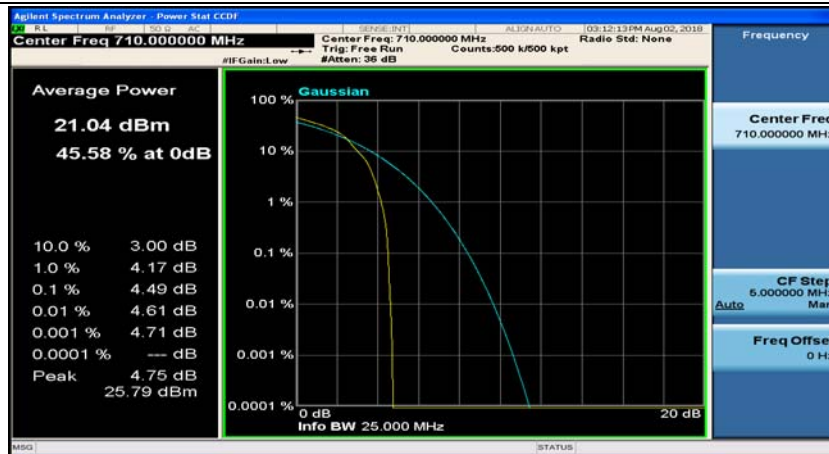
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

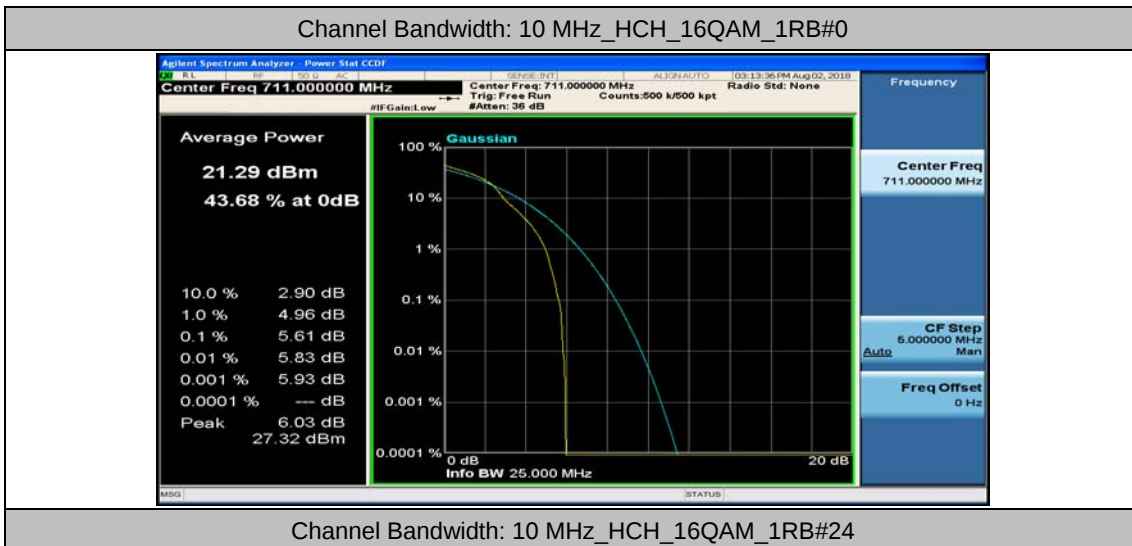
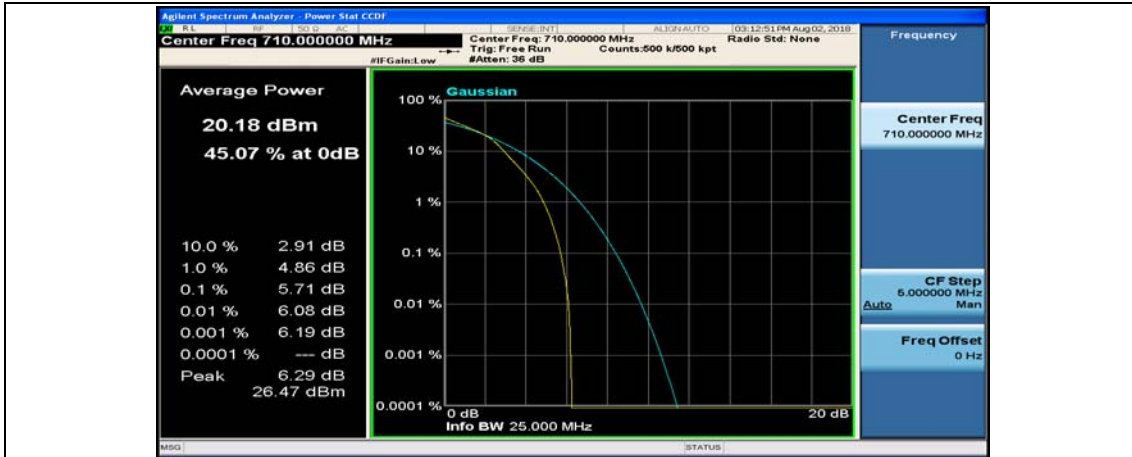


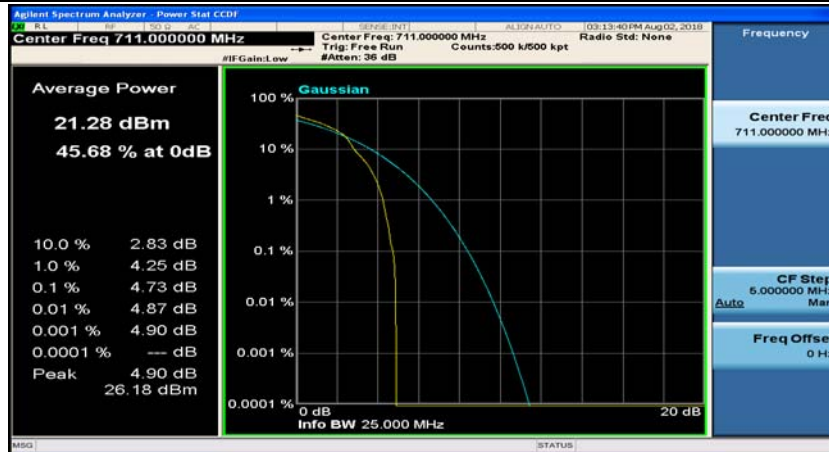
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

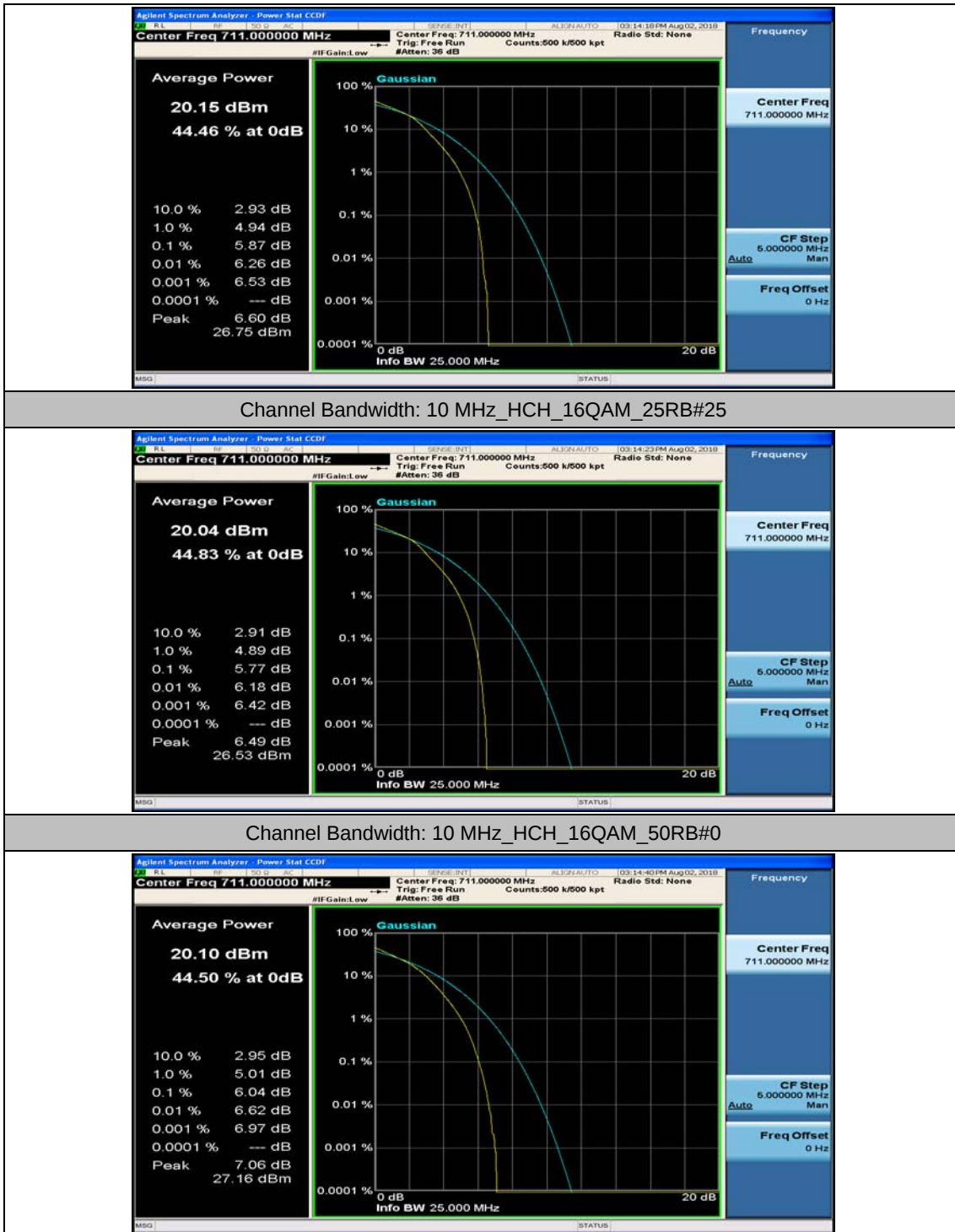


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









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	4.4825	4.898	PASS
	MCH	25	0	4.4822	4.799	PASS
	HCH	25	0	4.4736	4.851	PASS
16QAM	LCH	25	0	4.4784	4.859	PASS
	MCH	25	0	4.4688	4.878	PASS
	HCH	25	0	4.4710	4.865	PASS

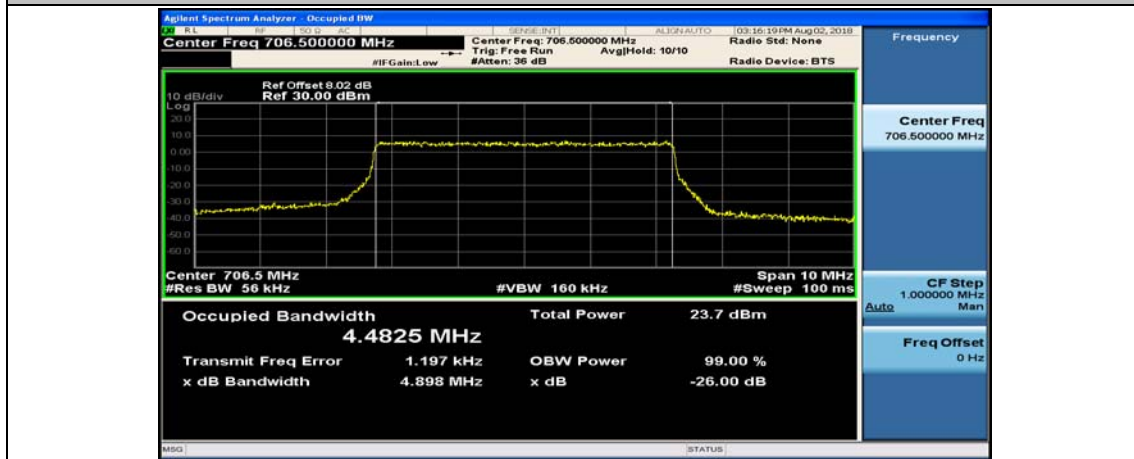
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9511	9.640	PASS
	MCH	50	0	8.9286	9.498	PASS
	HCH	50	0	8.9304	9.460	PASS
16QAM	LCH	50	0	8.9418	9.446	PASS
	MCH	50	0	8.9415	9.535	PASS
	HCH	50	0	8.9198	9.445	PASS

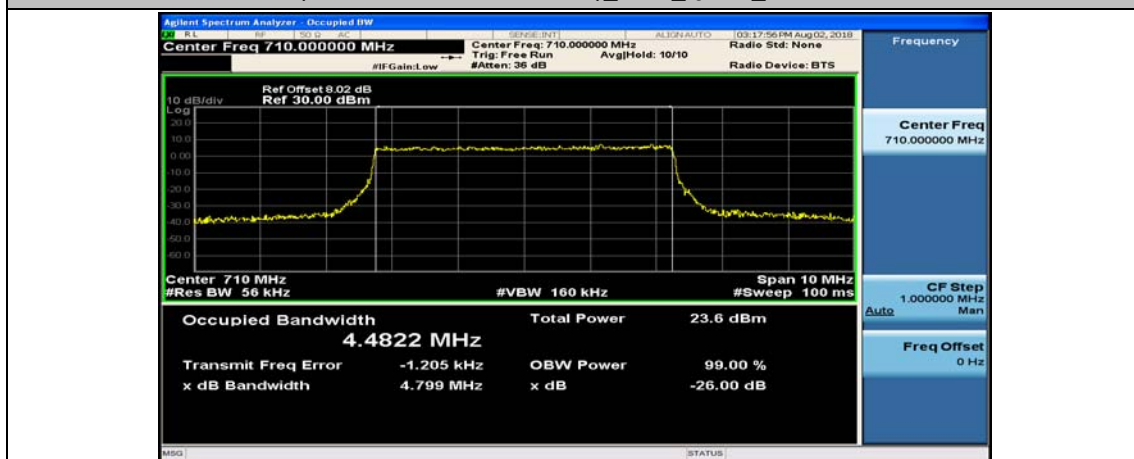
Test Graphs

Channel Bandwidth: 5 MHz

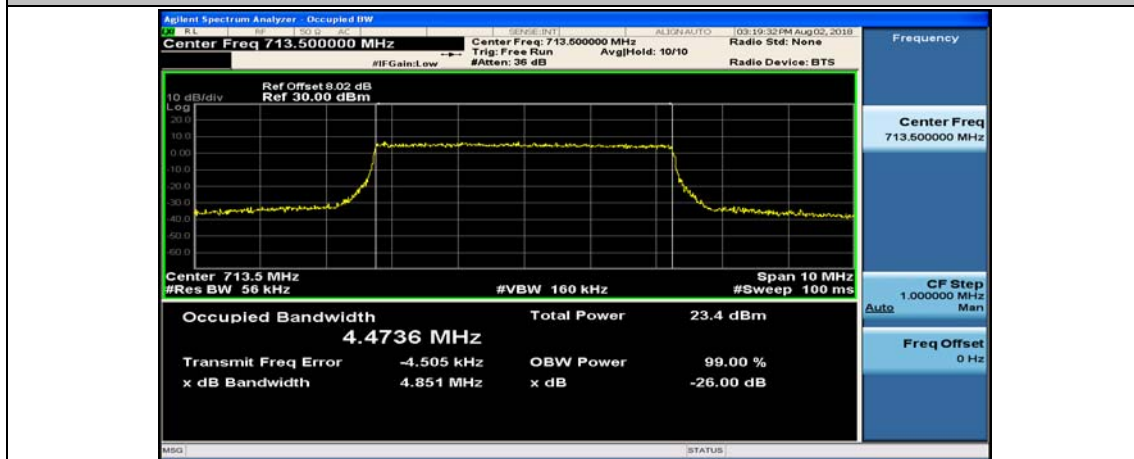
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



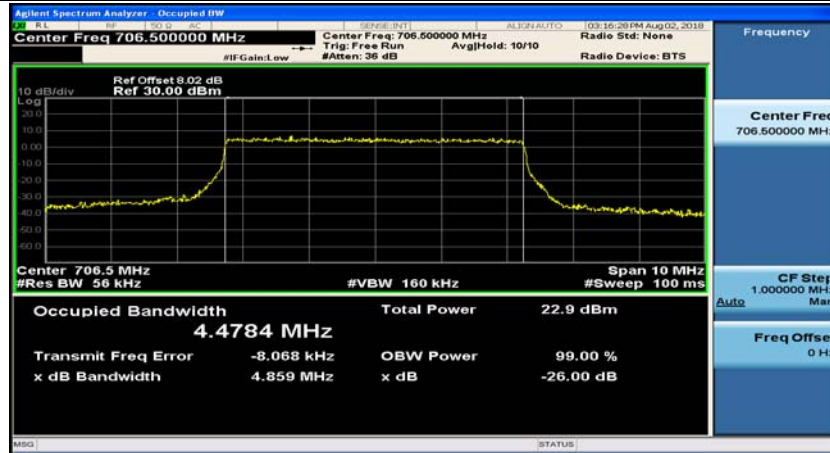
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



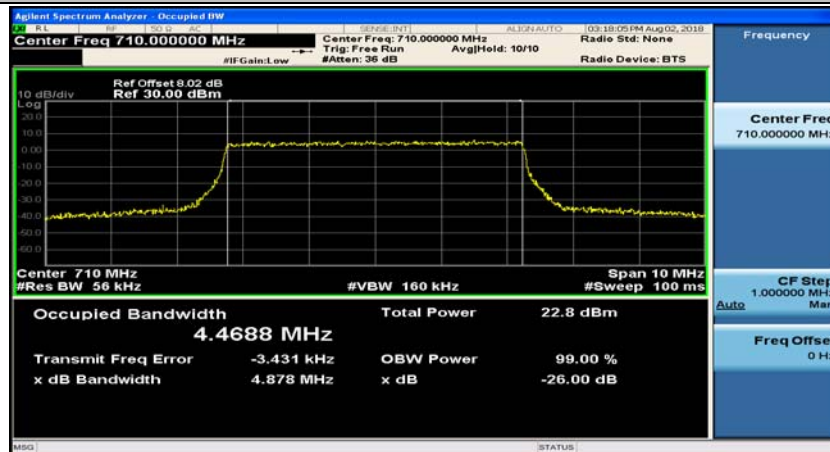
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



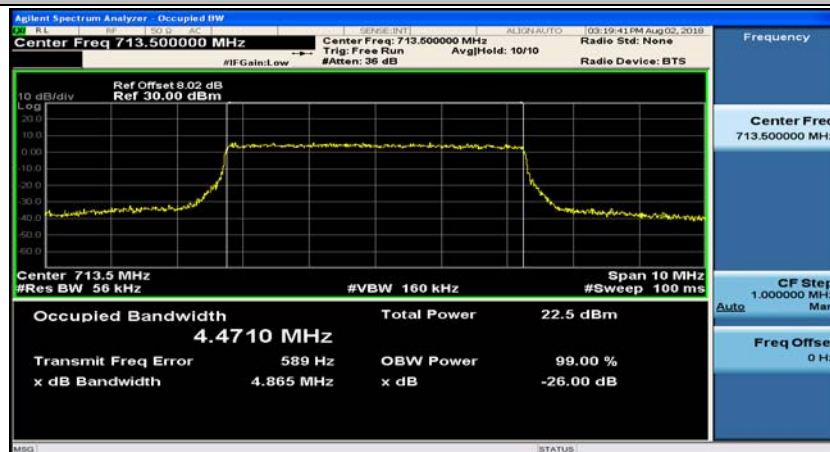
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



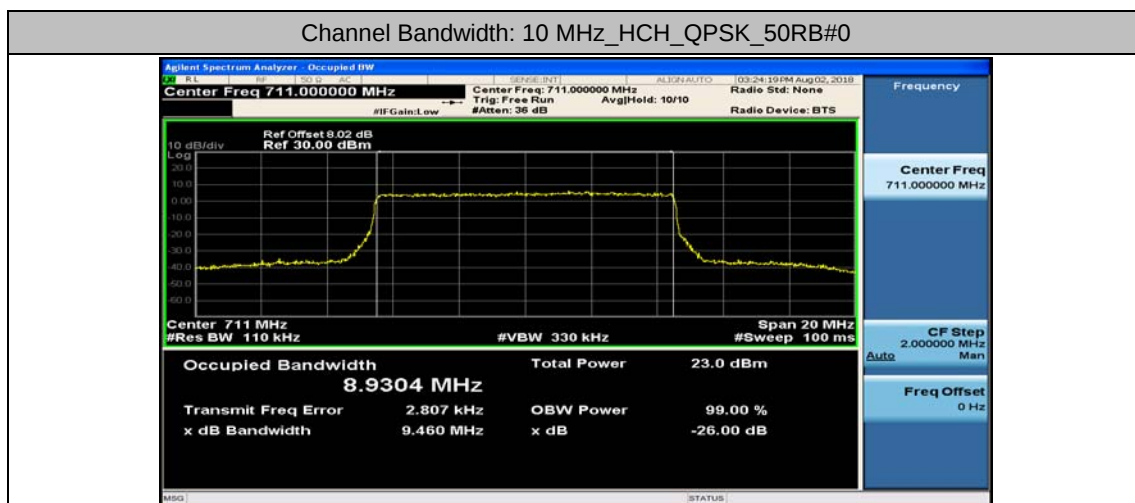
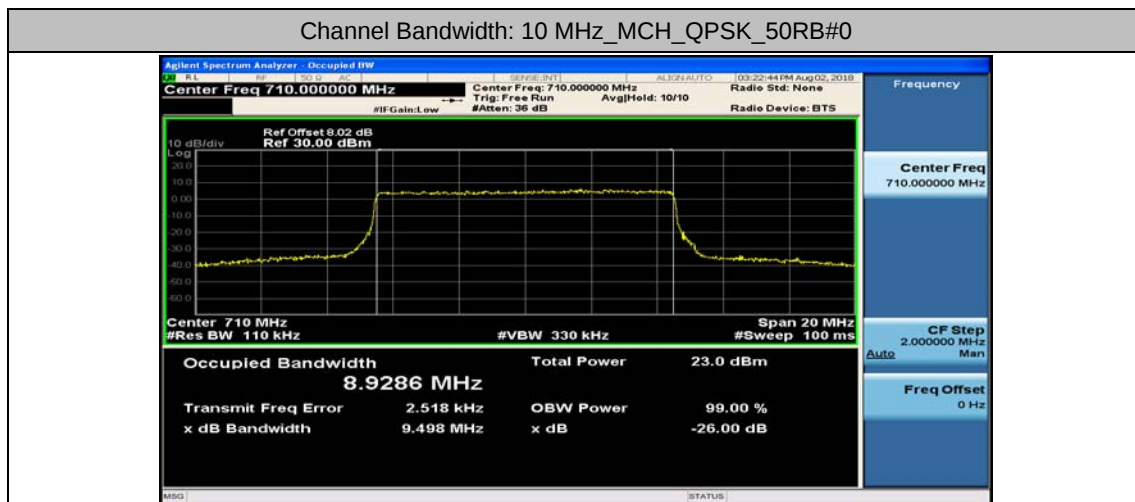
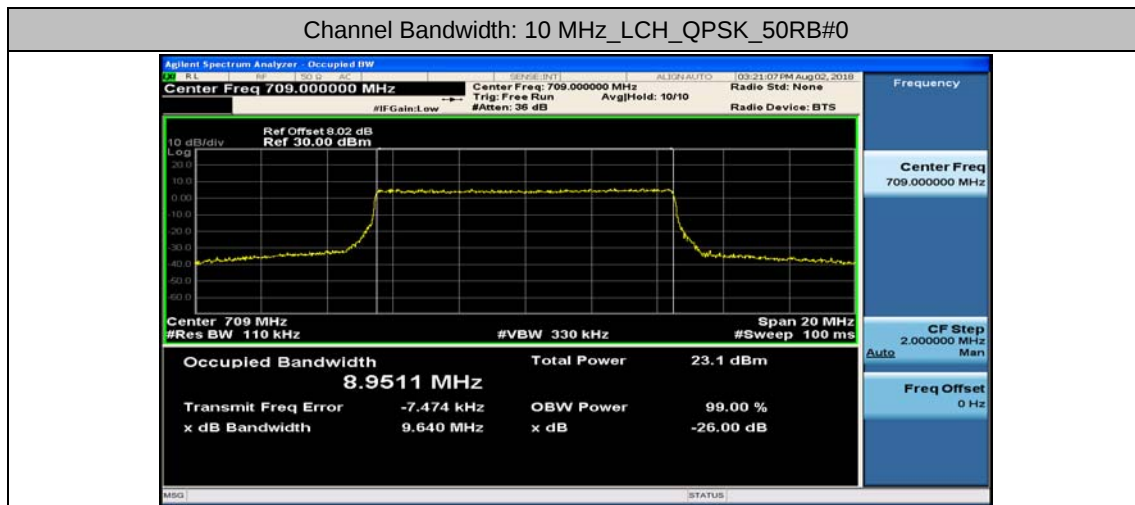
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



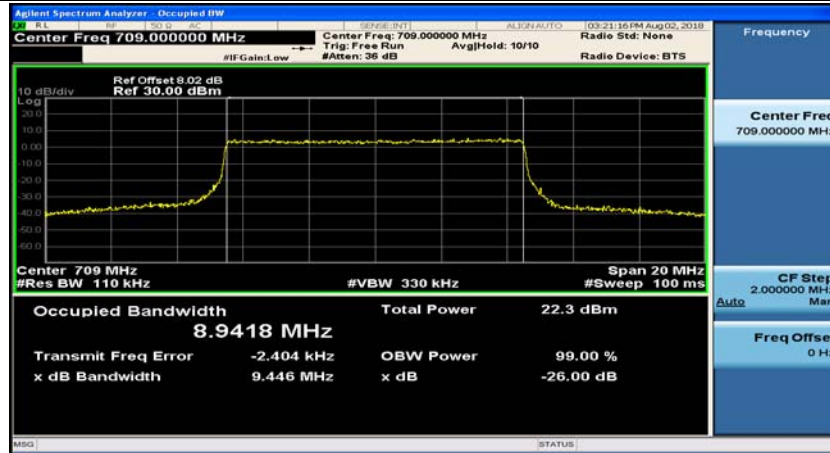
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



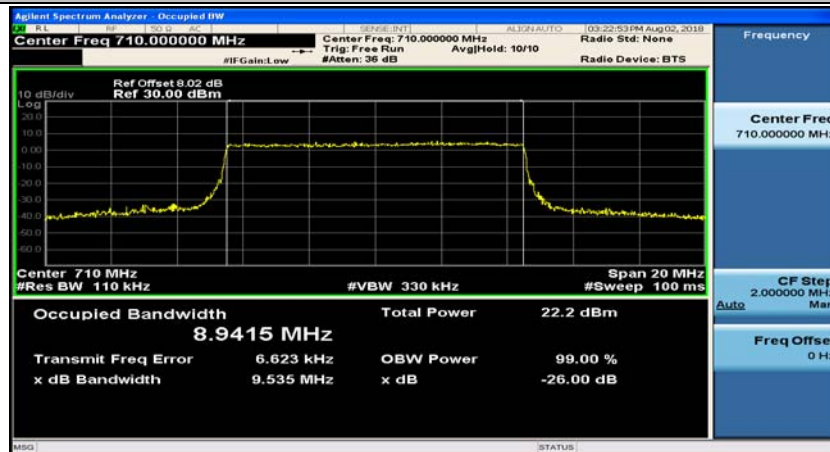
Channel Bandwidth: 10 MHz



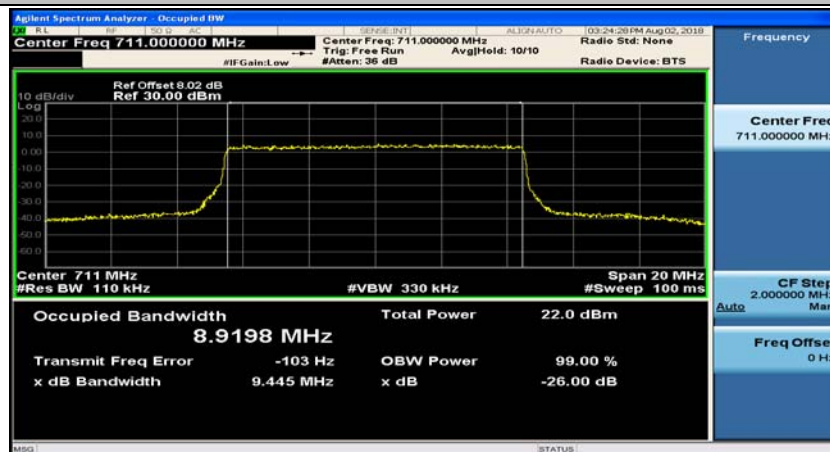
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

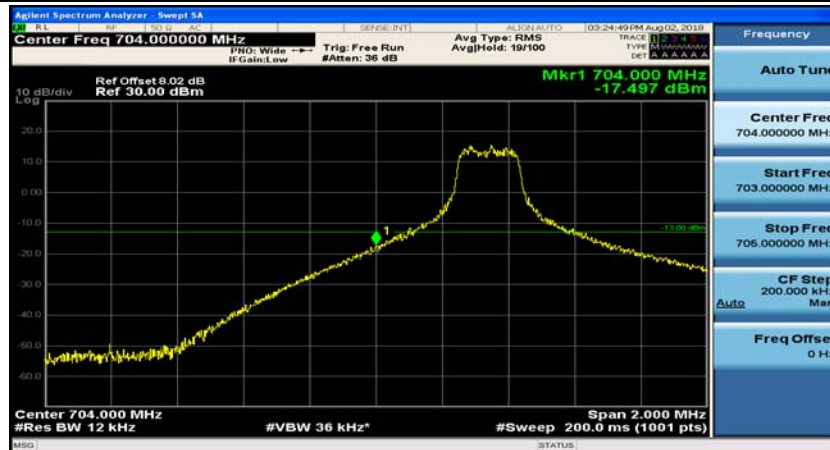


Appendix D: Band Edge

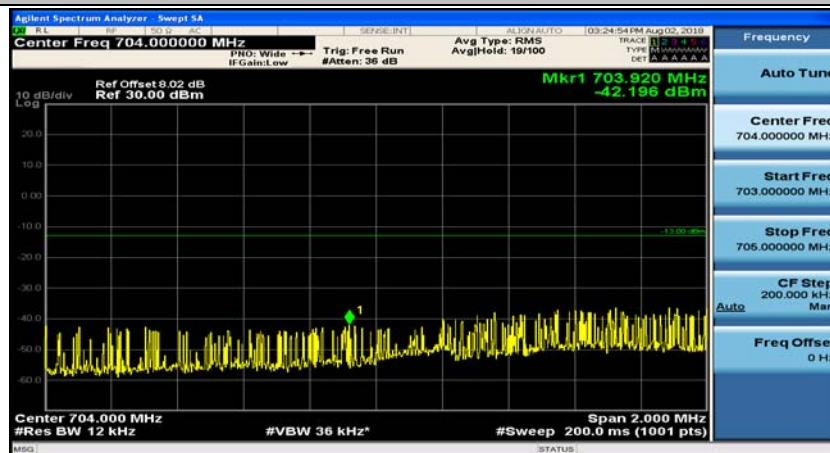
Test Graphs

Channel Bandwidth: 5 MHz

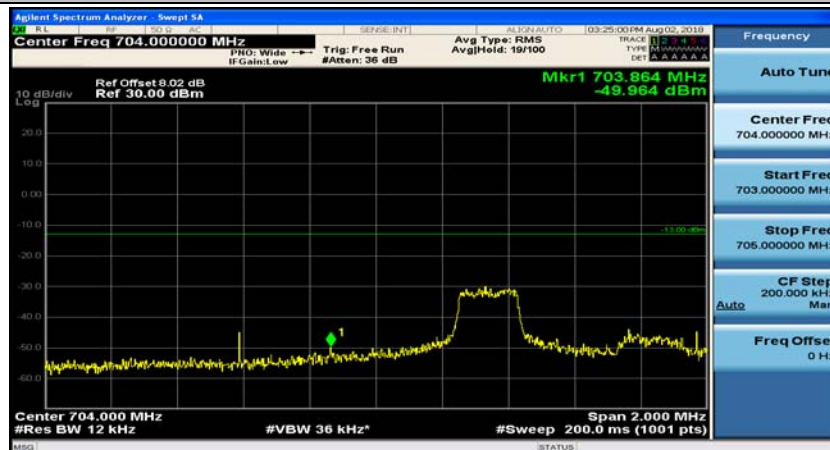
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



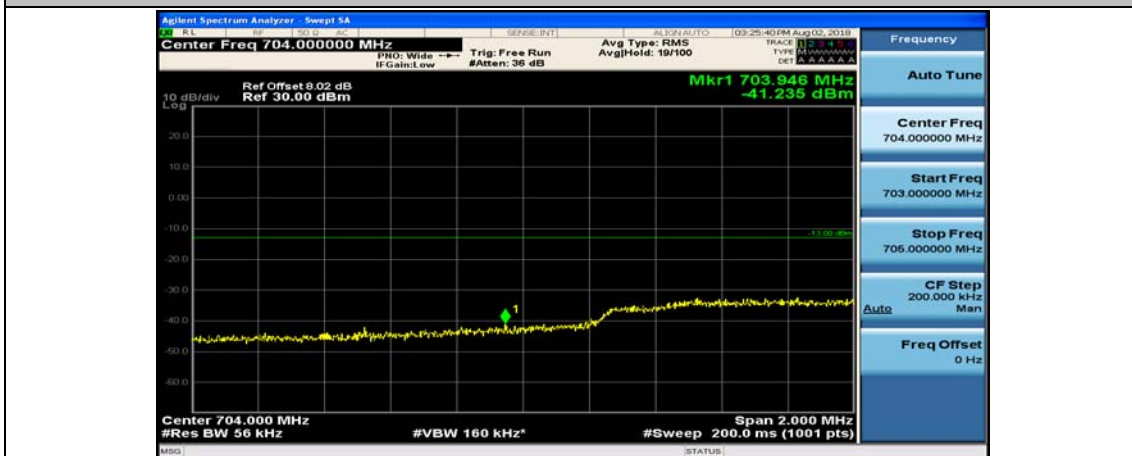
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



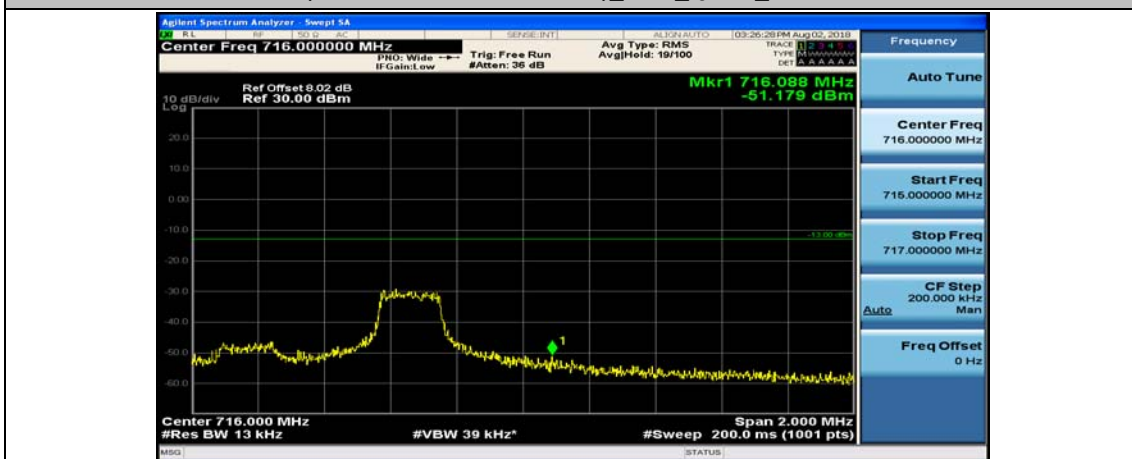
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



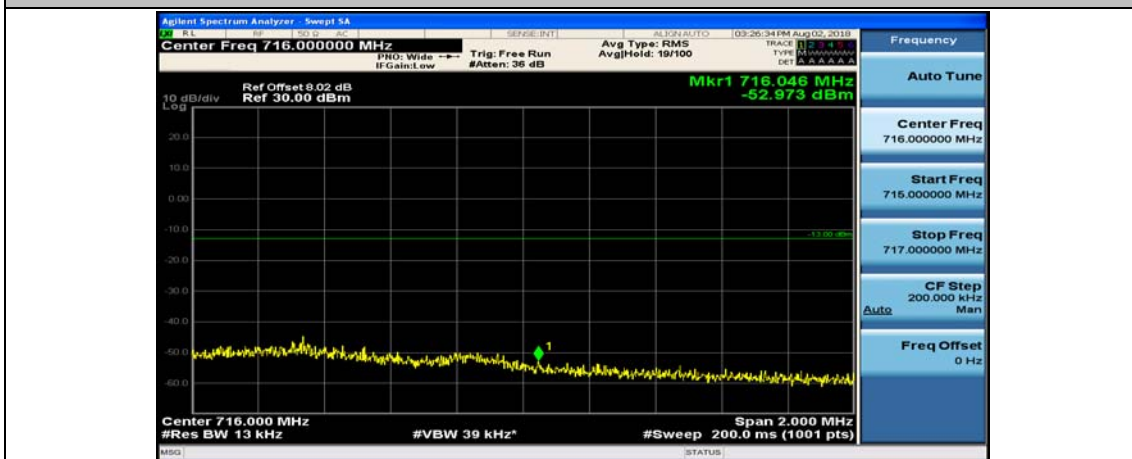
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



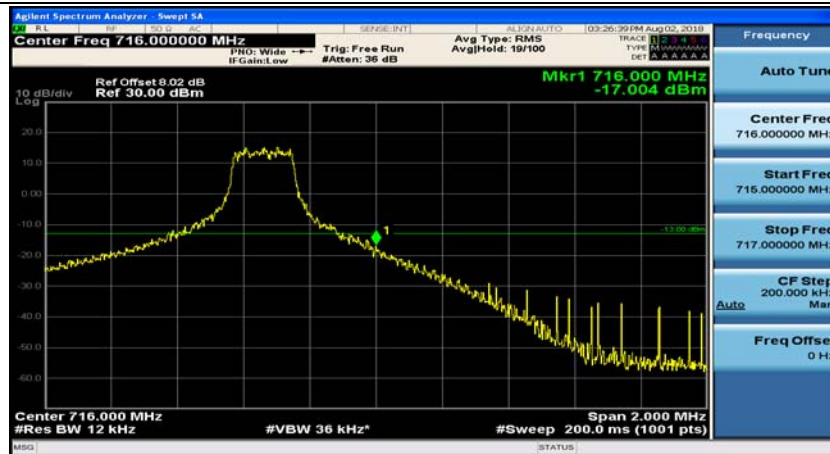
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(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



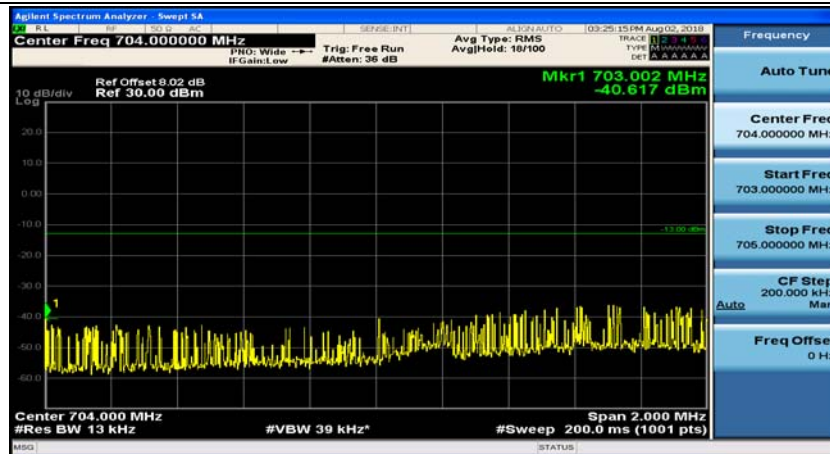
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



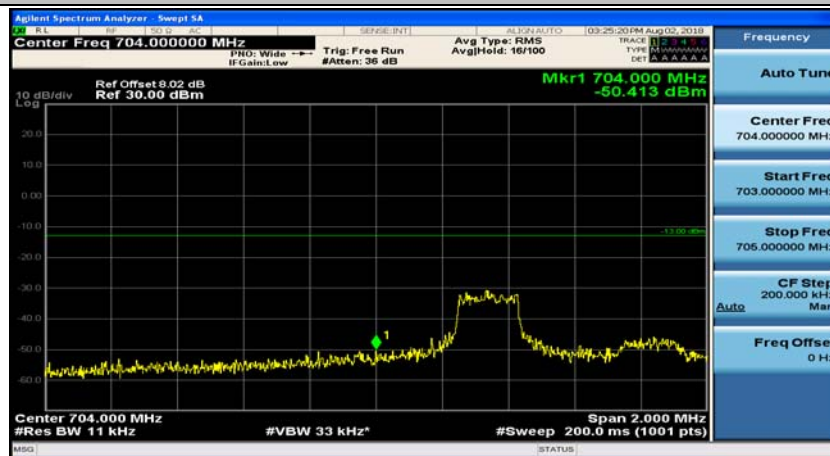
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



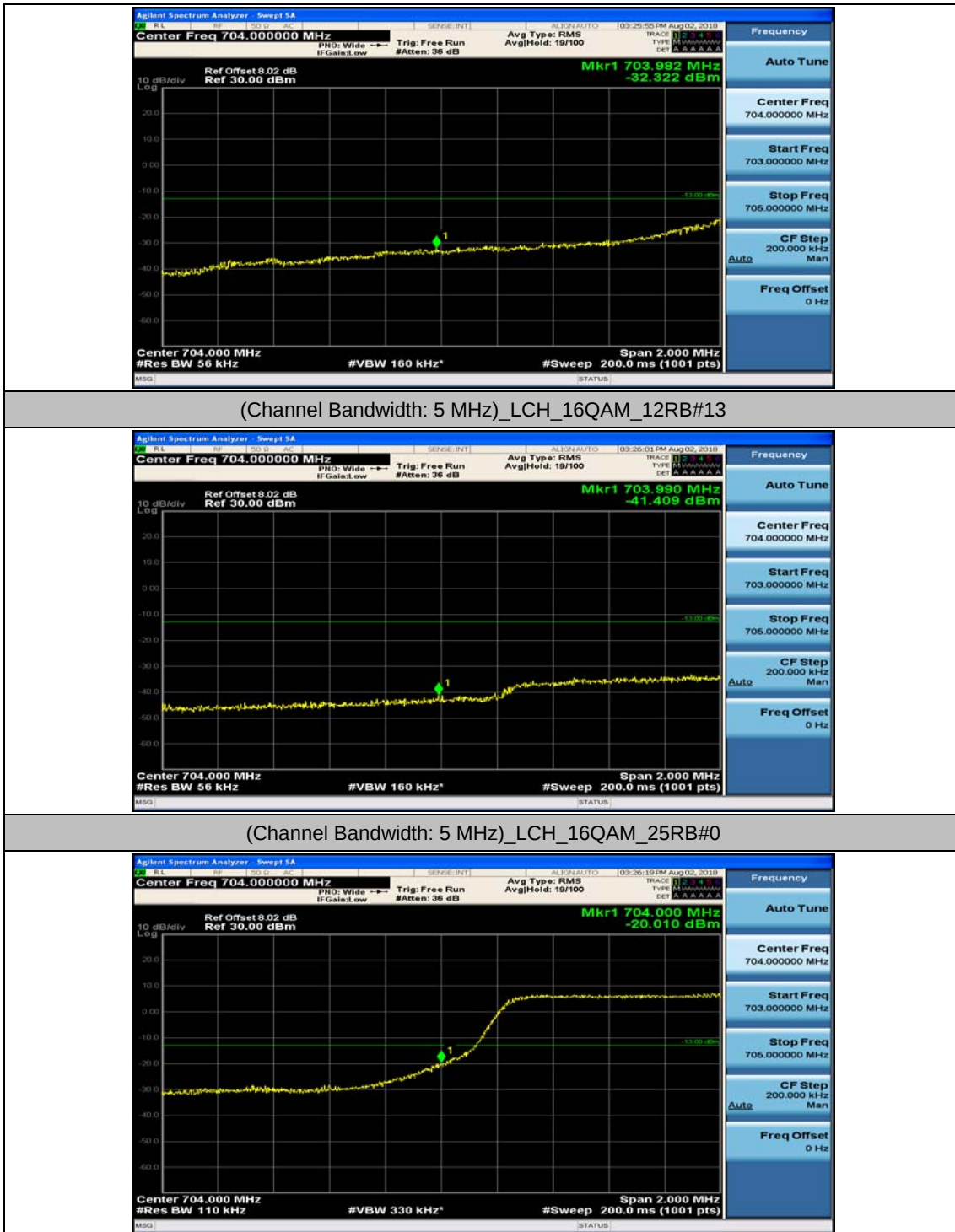
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



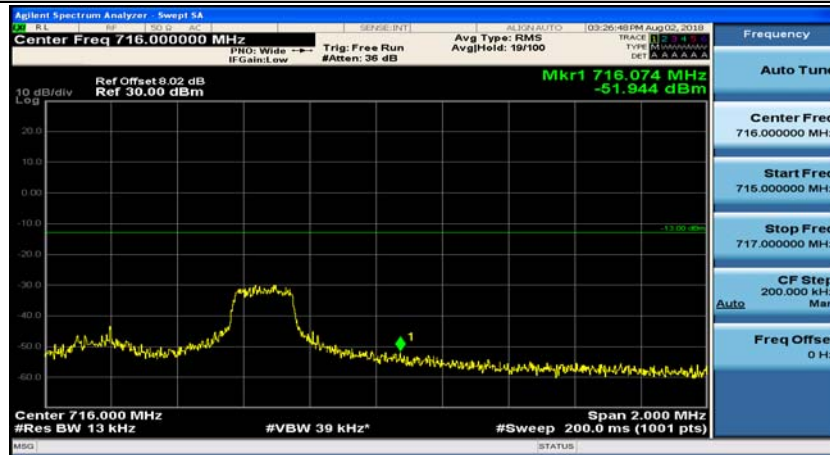
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



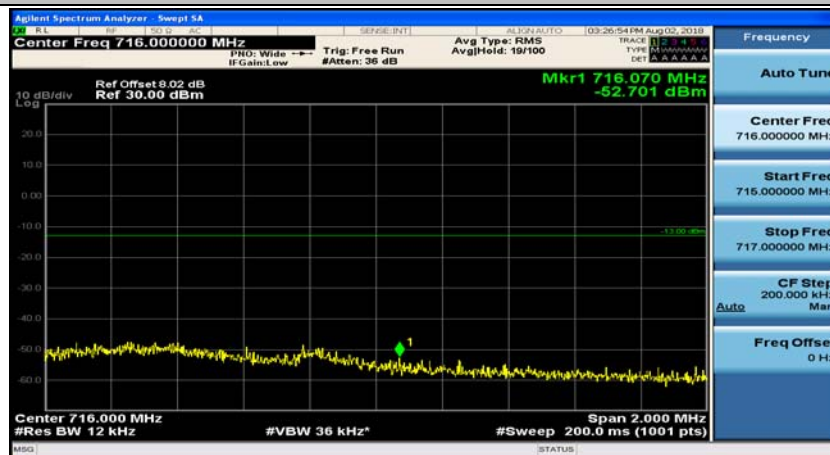
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



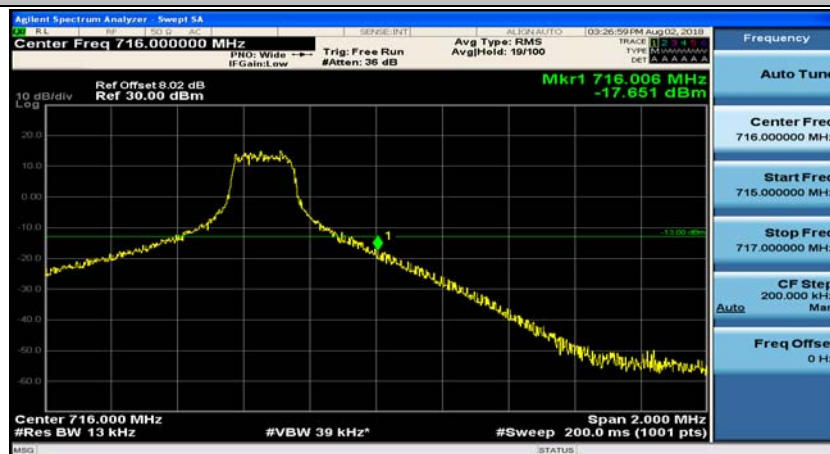
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



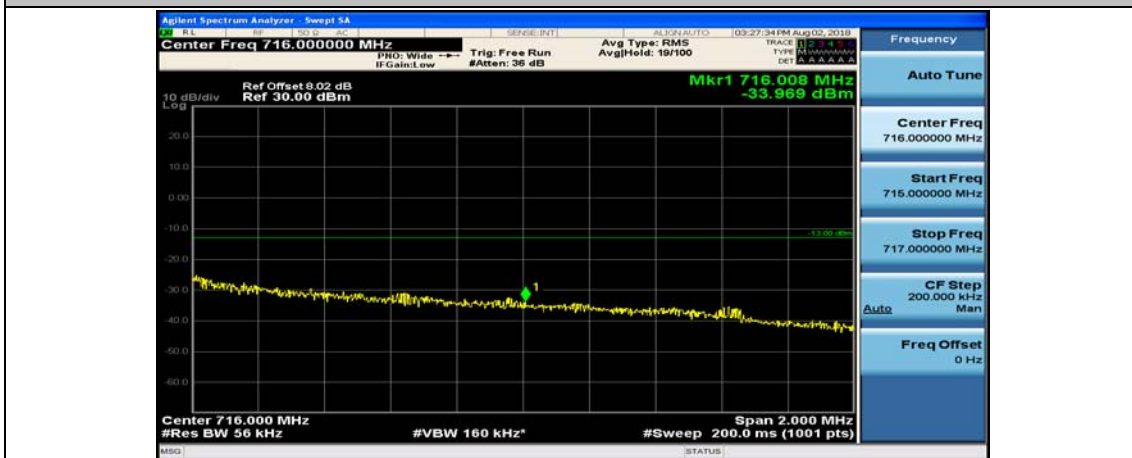
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



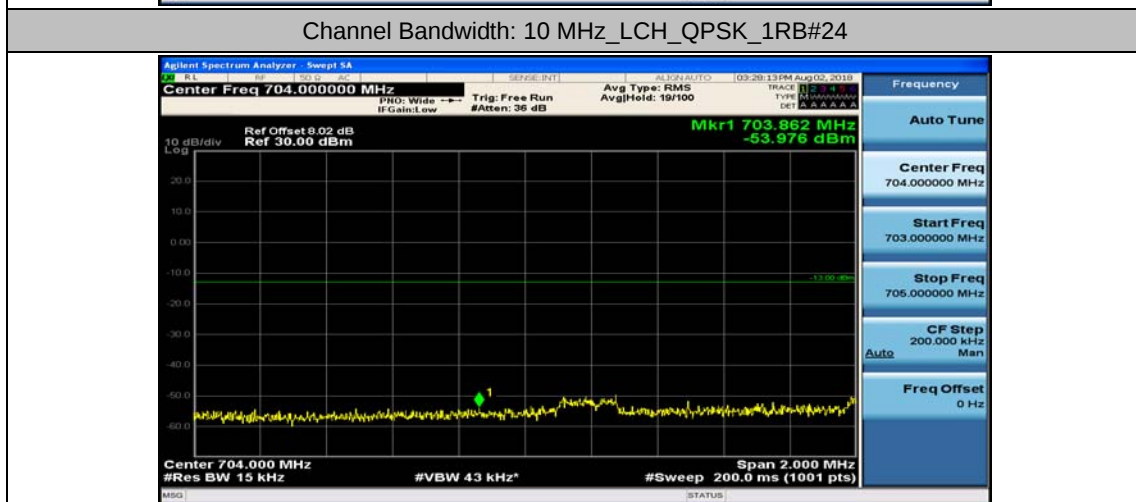
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

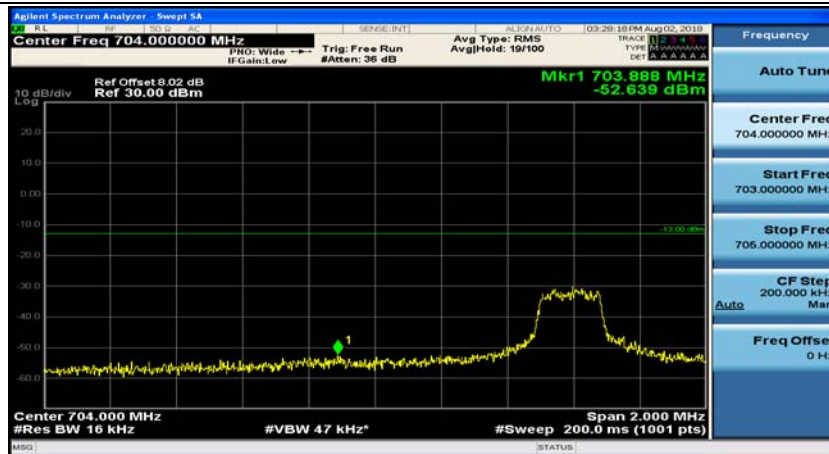


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

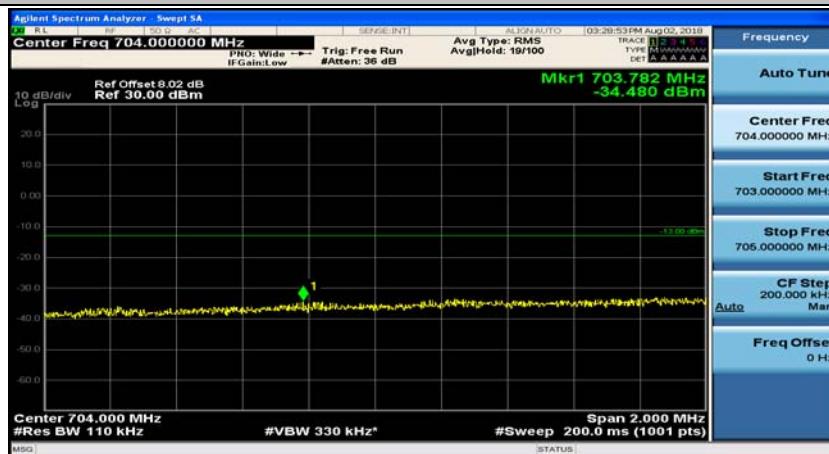




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25