

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	22.60	PASS
		1	12	22.46	PASS
		1	24	22.39	PASS
		12	0	21.42	PASS
		12	6	21.44	PASS
		12	13	21.46	PASS
		25	0	21.94	PASS
	MCH	1	0	22.16	PASS
		1	12	22.15	PASS
		1	24	22.26	PASS
		12	0	21.89	PASS
		12	6	21.84	PASS
		12	13	21.67	PASS
		25	0	21.80	PASS
	HCH	1	0	22.30	PASS
		1	12	22.52	PASS
		1	24	22.37	PASS
		12	0	21.79	PASS
		12	6	21.88	PASS
		12	13	21.61	PASS
		25	0	21.82	PASS
16QAM	LCH	1	0	21.86	PASS
		1	12	21.79	PASS
		1	24	21.68	PASS
		12	0	20.98	PASS
		12	6	20.82	PASS
		12	13	20.76	PASS
		25	0	20.53	PASS
	MCH	1	0	21.61	PASS
		1	12	21.42	PASS
		1	24	21.52	PASS
		12	0	20.41	PASS

		12	6	20.45	PASS
		12	13	20.68	PASS
		25	0	20.36	PASS
	HCH	1	0	21.32	PASS
		1	12	21.50	PASS
		1	24	21.24	PASS
		12	0	20.73	PASS
		12	6	20.64	PASS
		12	13	20.64	PASS
		25	0	20.80	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.70	PASS
		1	24	22.24	PASS
		1	49	22.27	PASS
		25	0	21.91	PASS
		25	12	21.71	PASS
		25	25	21.82	PASS
		50	0	21.91	PASS
	MCH	1	0	22.57	PASS
		1	24	22.41	PASS
		1	49	22.37	PASS
		25	0	21.77	PASS
		25	12	21.77	PASS
		25	25	21.80	PASS
		50	0	21.82	PASS
	HCH	1	0	22.31	PASS
		1	24	22.23	PASS
		1	49	22.17	PASS
		25	0	21.84	PASS
		25	12	21.71	PASS
		25	25	21.76	PASS
		50	0	21.72	PASS
16QAM	LCH	1	0	21.70	PASS
		1	24	21.50	PASS
		1	49	21.48	PASS
		25	0	20.89	PASS
		25	12	20.73	PASS
		25	25	20.78	PASS
		50	0	20.41	PASS

	MCH	1	0	21.48	PASS
		1	24	21.35	PASS
		1	49	21.30	PASS
		25	0	20.89	PASS
		25	12	20.51	PASS
		25	25	20.85	PASS
		50	0	20.87	PASS
	HCH	1	0	21.58	PASS
		1	24	21.93	PASS
		1	49	21.83	PASS
		25	0	20.53	PASS
		25	12	20.92	PASS
		25	25	20.78	PASS
		50	0	20.84	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	5.68	<13	PASS
		1	12	5.4	<13	PASS
		1	24	5.29	<13	PASS
		12	0	5.57	<13	PASS
		12	6	5.55	<13	PASS
		12	13	5.49	<13	PASS
		25	0	5.57	<13	PASS
	MCH	1	0	5.22	<13	PASS
		1	12	5.24	<13	PASS
		1	24	5.22	<13	PASS
		12	0	5.5	<13	PASS
		12	6	5.52	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.57	<13	PASS
	HCH	1	0	5.5	<13	PASS
		1	12	5.64	<13	PASS
		1	24	5.78	<13	PASS
		12	0	5.6	<13	PASS
		12	6	5.6	<13	PASS
		12	13	5.77	<13	PASS
		25	0	5.66	<13	PASS
16QAM	LCH	1	0	6.12	<13	PASS
		1	12	5.81	<13	PASS
		1	24	5.79	<13	PASS
		12	0	6.43	<13	PASS
		12	6	6.4	<13	PASS
		12	13	6.39	<13	PASS
		25	0	6.52	<13	PASS
	MCH	1	0	6.11	<13	PASS
		1	12	6.01	<13	PASS
		1	24	5.92	<13	PASS
		12	0	6.35	<13	PASS

		12	6	6.38	<13	PASS
		12	13	6.54	<13	PASS
		25	0	6.19	<13	PASS
	HCH	1	0	6.25	<13	PASS
		1	12	6.37	<13	PASS
		1	24	6.36	<13	PASS
		12	0	6.5	<13	PASS
		12	6	6.68	<13	PASS
		12	13	6.66	<13	PASS
		25	0	6.43	<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	5.54	<13	PASS
		1	24	5.4	<13	PASS
		1	49	5.38	<13	PASS
		25	0	5.73	<13	PASS
		25	12	5.57	<13	PASS
		25	25	5.65	<13	PASS
		50	0	5.66	<13	PASS
	MCH	1	0	5.21	<13	PASS
		1	24	5.07	<13	PASS
		1	49	5.31	<13	PASS
		25	0	5.64	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.63	<13	PASS
		50	0	5.75	<13	PASS
	HCH	1	0	5.3	<13	PASS
		1	24	5.26	<13	PASS
		1	49	5.47	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.57	<13	PASS
		50	0	5.74	<13	PASS
16QAM	LCH	1	0	5.92	<13	PASS
		1	24	5.71	<13	PASS
		1	49	5.91	<13	PASS
		25	0	6.46	<13	PASS
		25	12	6.37	<13	PASS

		25	25	6.57	<13	PASS
		50	0	6.36	<13	PASS
	MCH	1	0	5.87	<13	PASS
		1	24	5.82	<13	PASS
		1	49	6.04	<13	PASS
		25	0	6.47	<13	PASS
		25	12	6.47	<13	PASS
		25	25	6.54	<13	PASS
		50	0	6.44	<13	PASS
	HCH	1	0	6.05	<13	PASS
		1	24	6.09	<13	PASS
		1	49	6.34	<13	PASS
		25	0	6.44	<13	PASS
		25	12	6.53	<13	PASS
		25	25	6.54	<13	PASS
		50	0	6.5	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



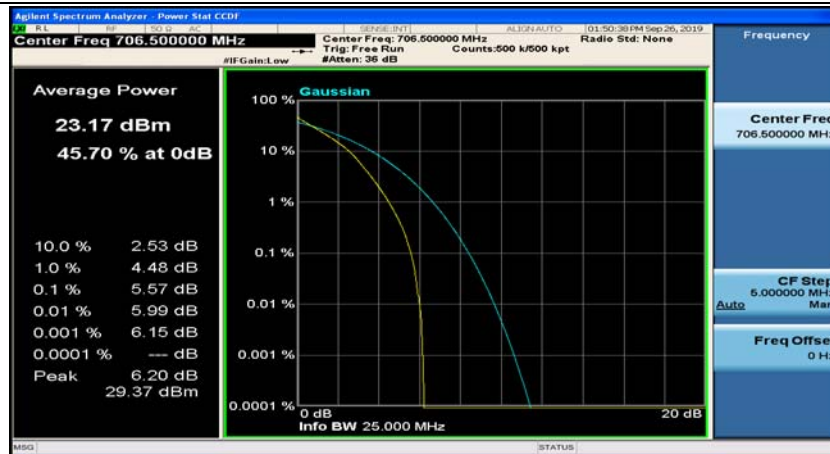
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



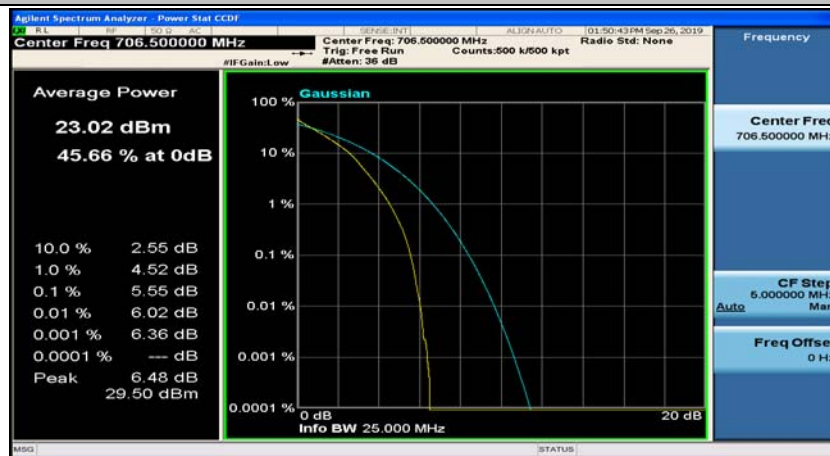
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



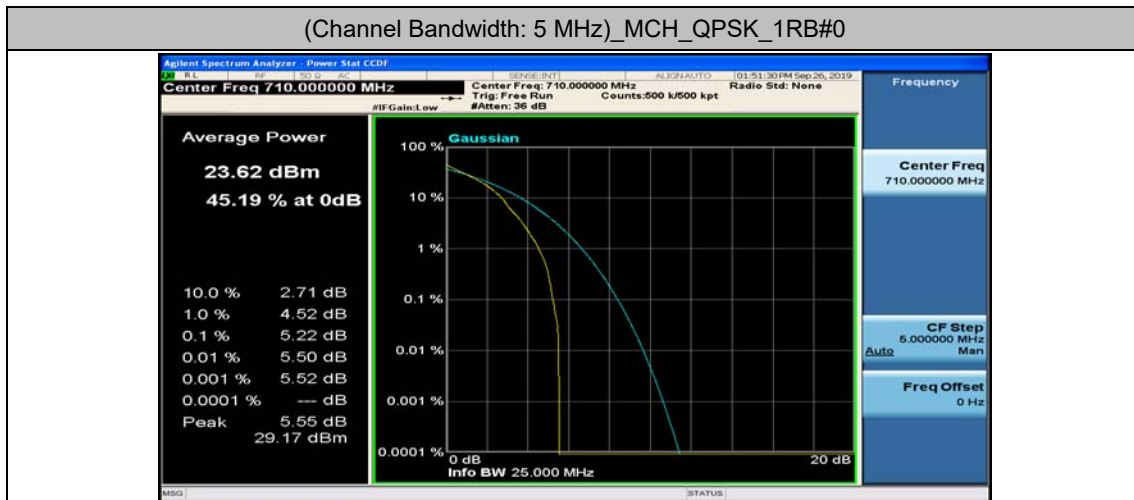
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



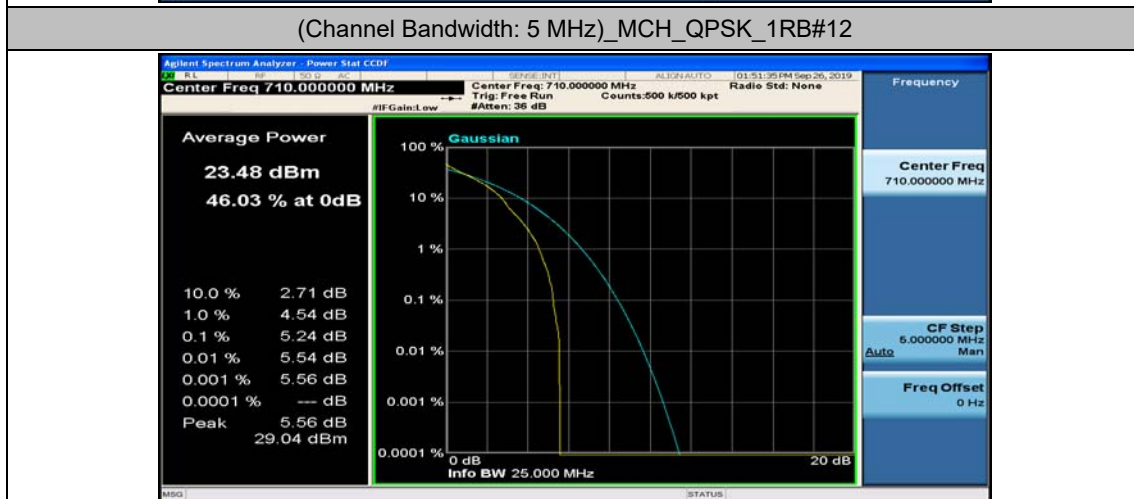
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



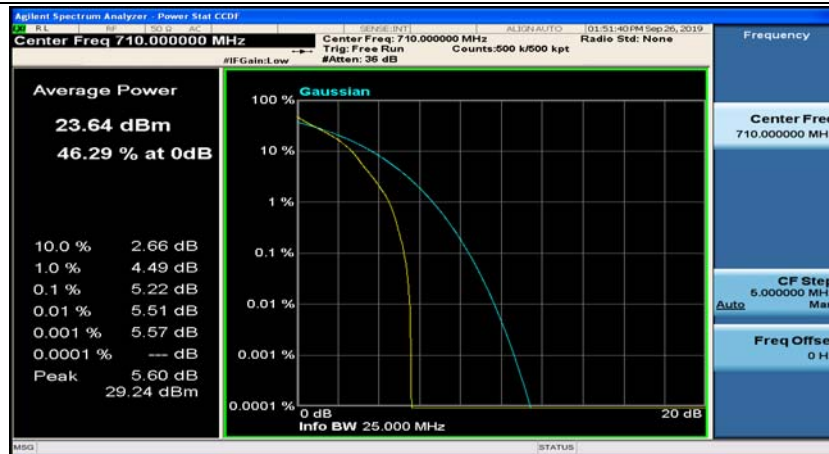
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



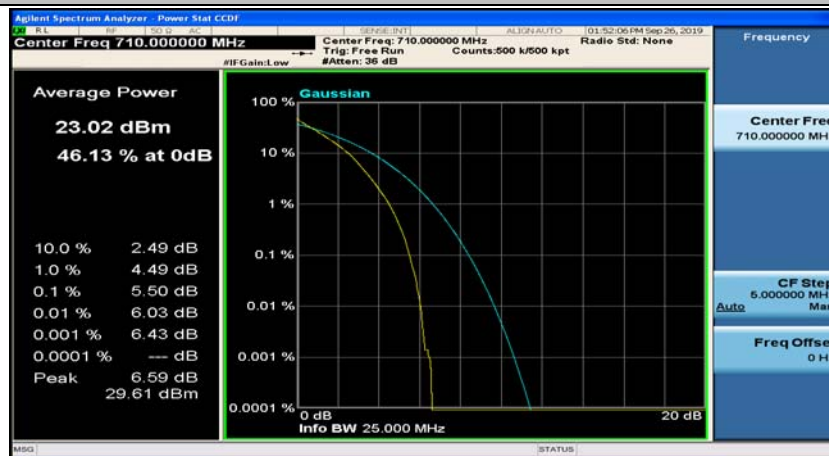
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



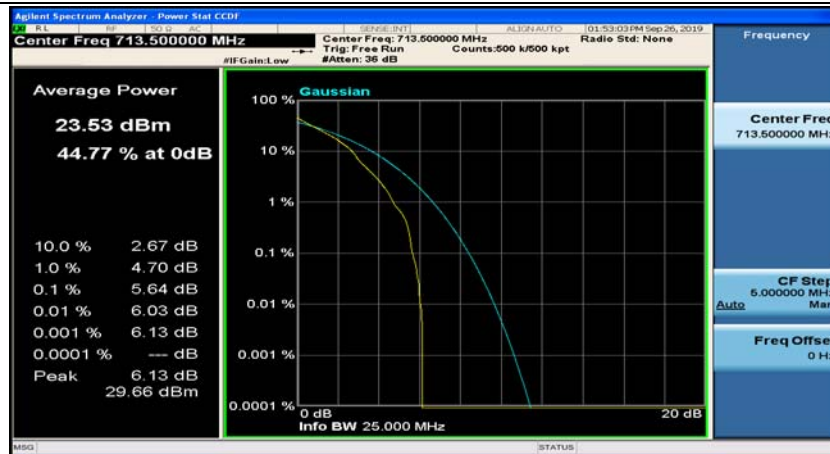
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



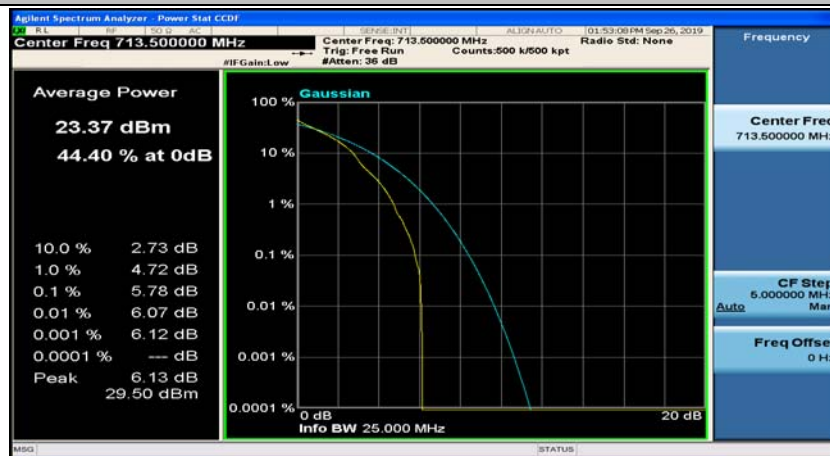
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



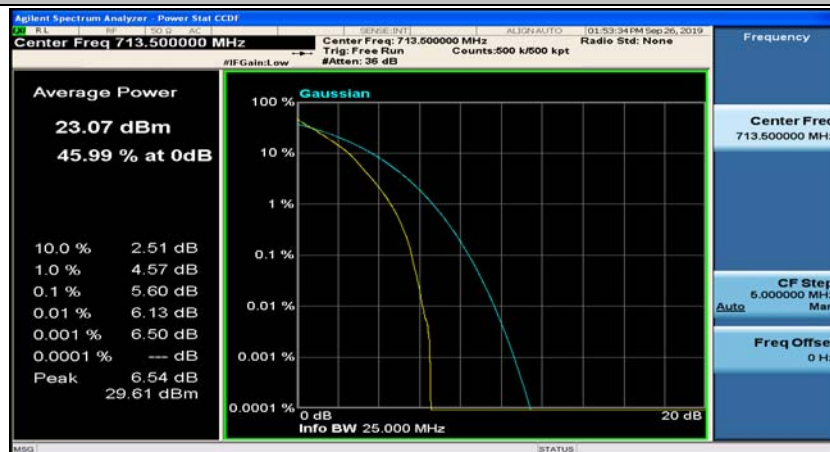
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



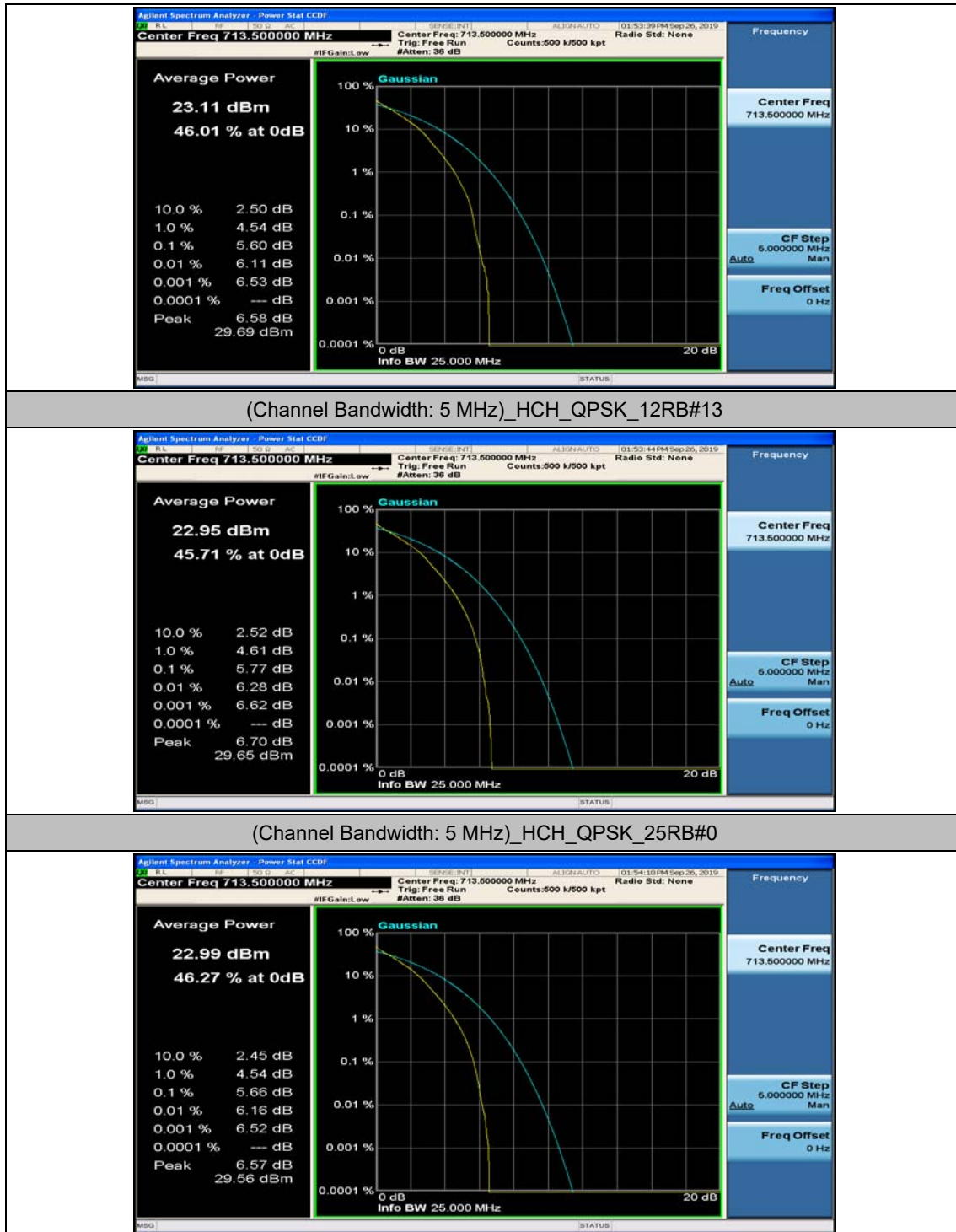
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



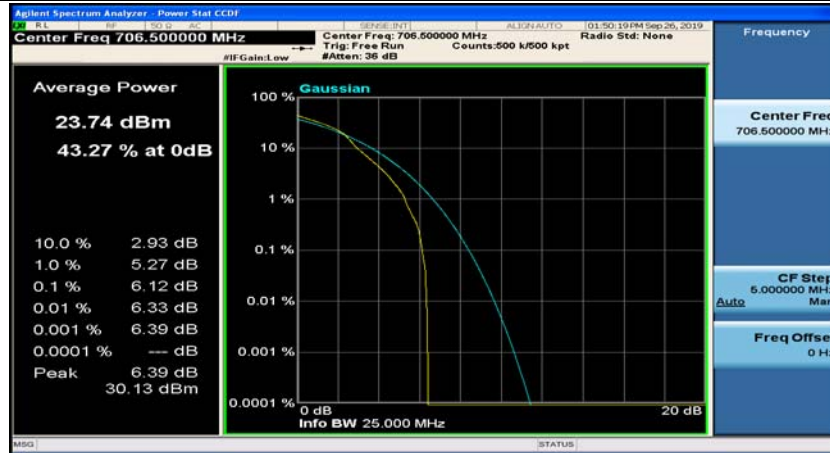
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



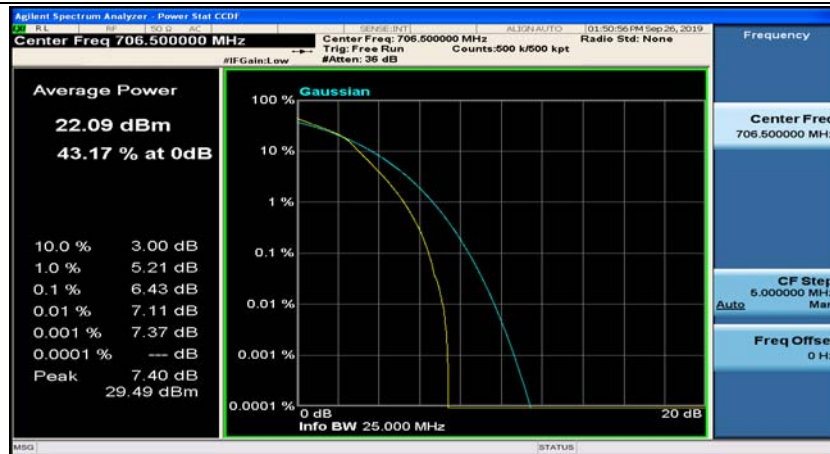
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



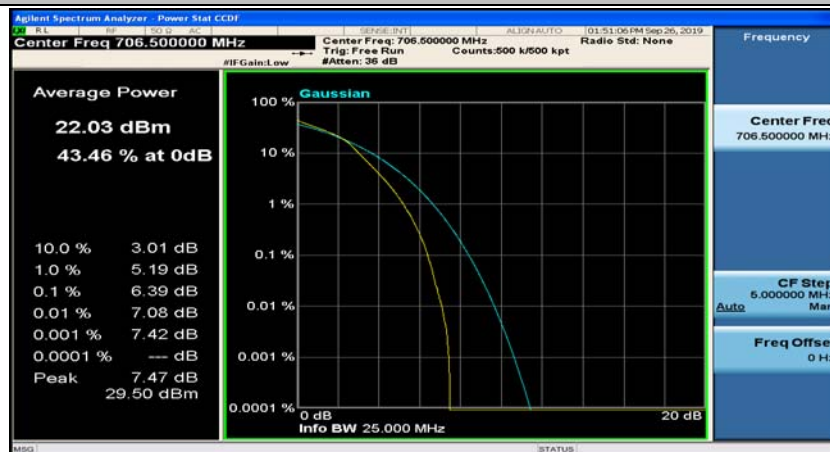
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



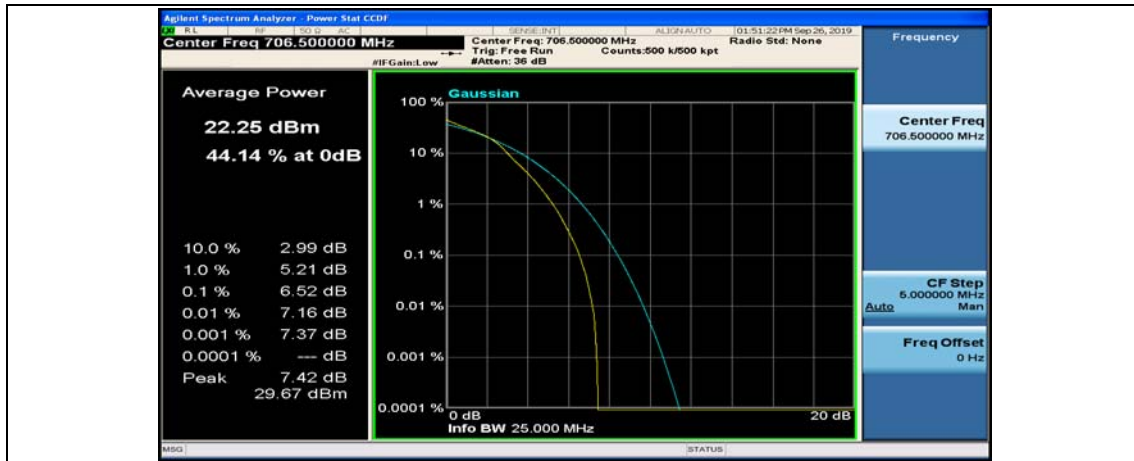
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



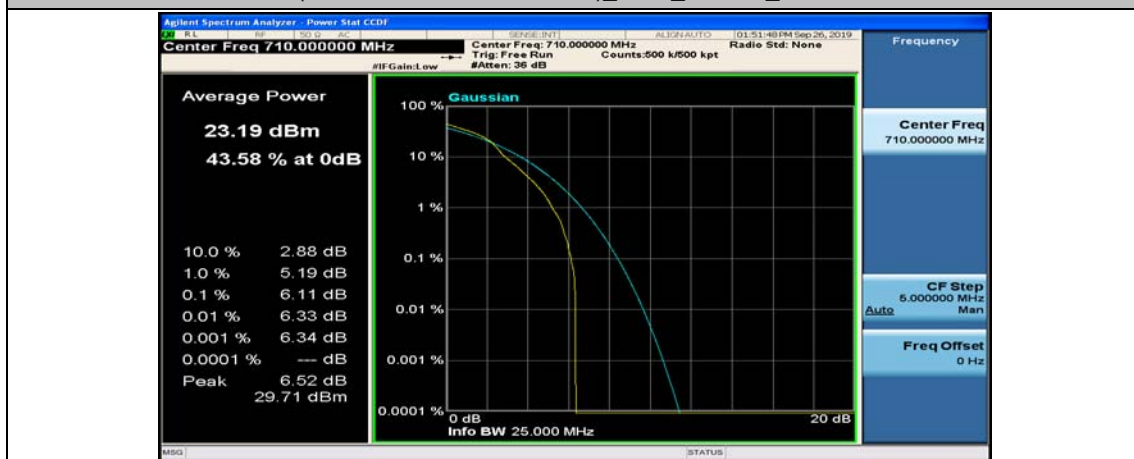
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



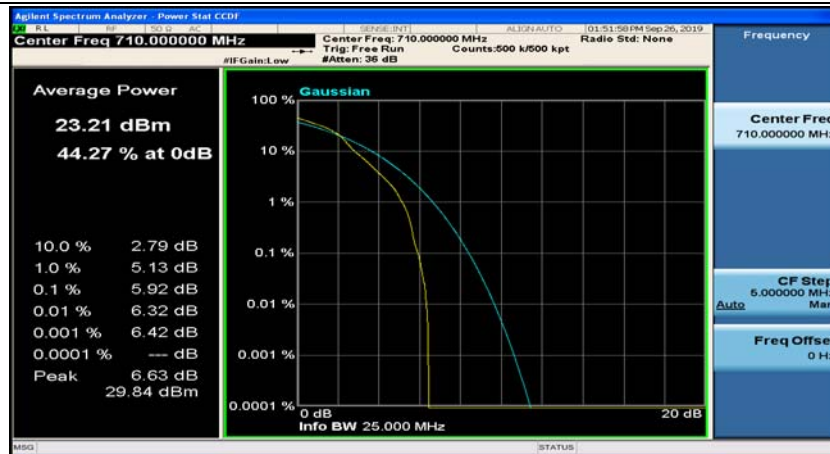
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



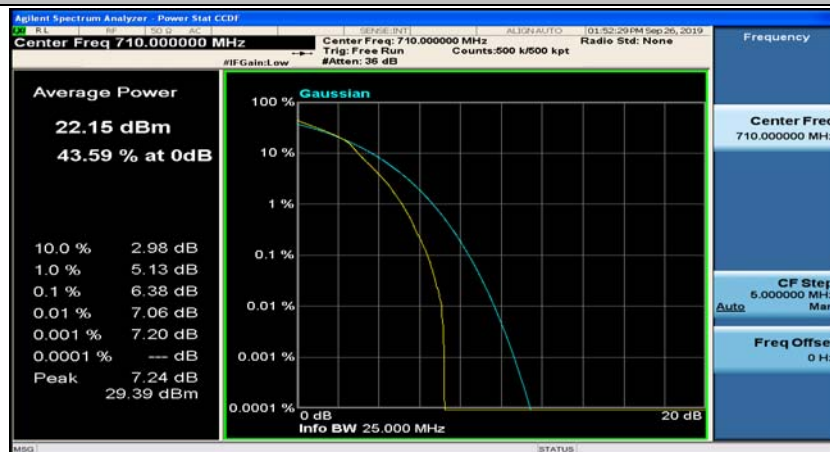
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



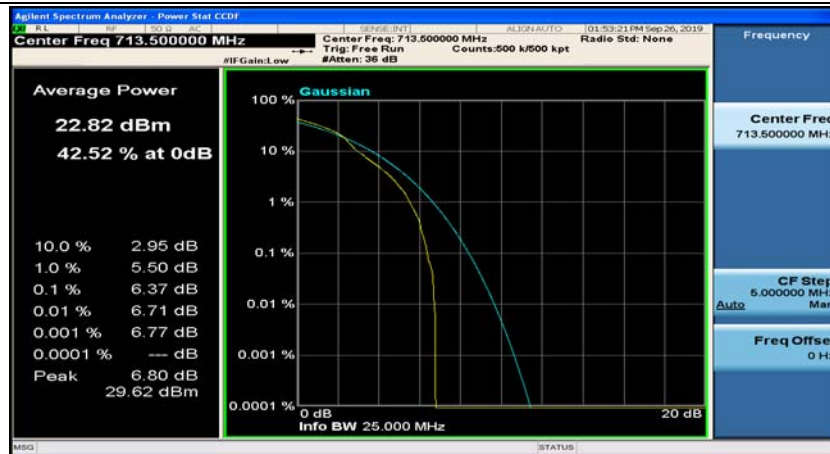
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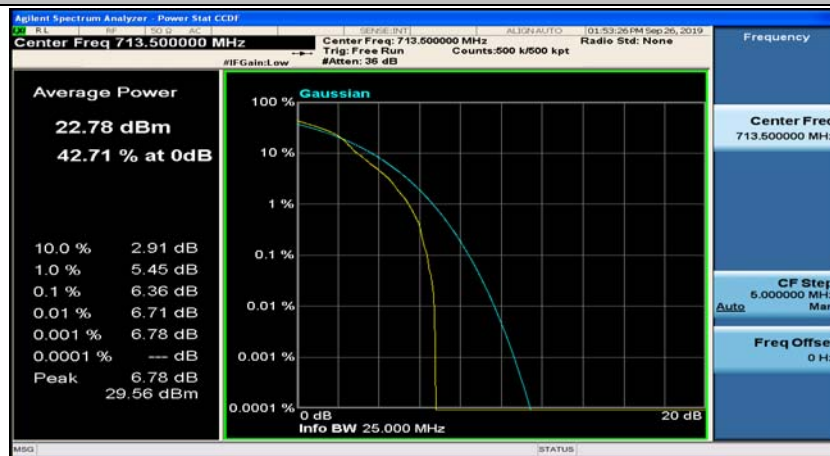
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



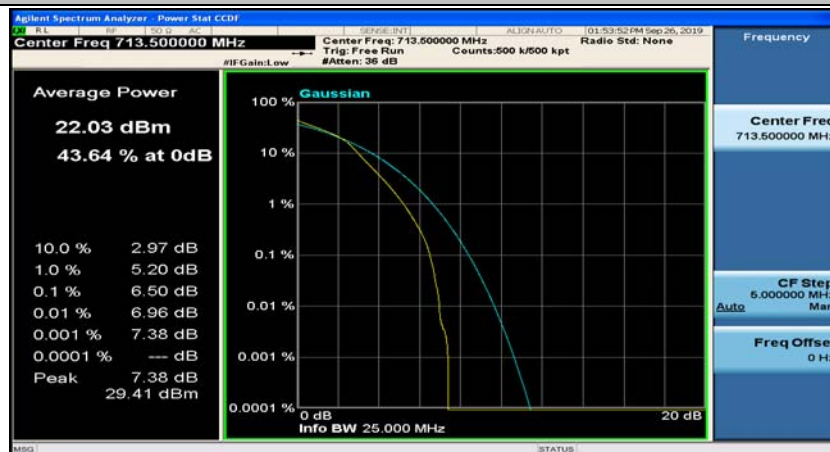
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



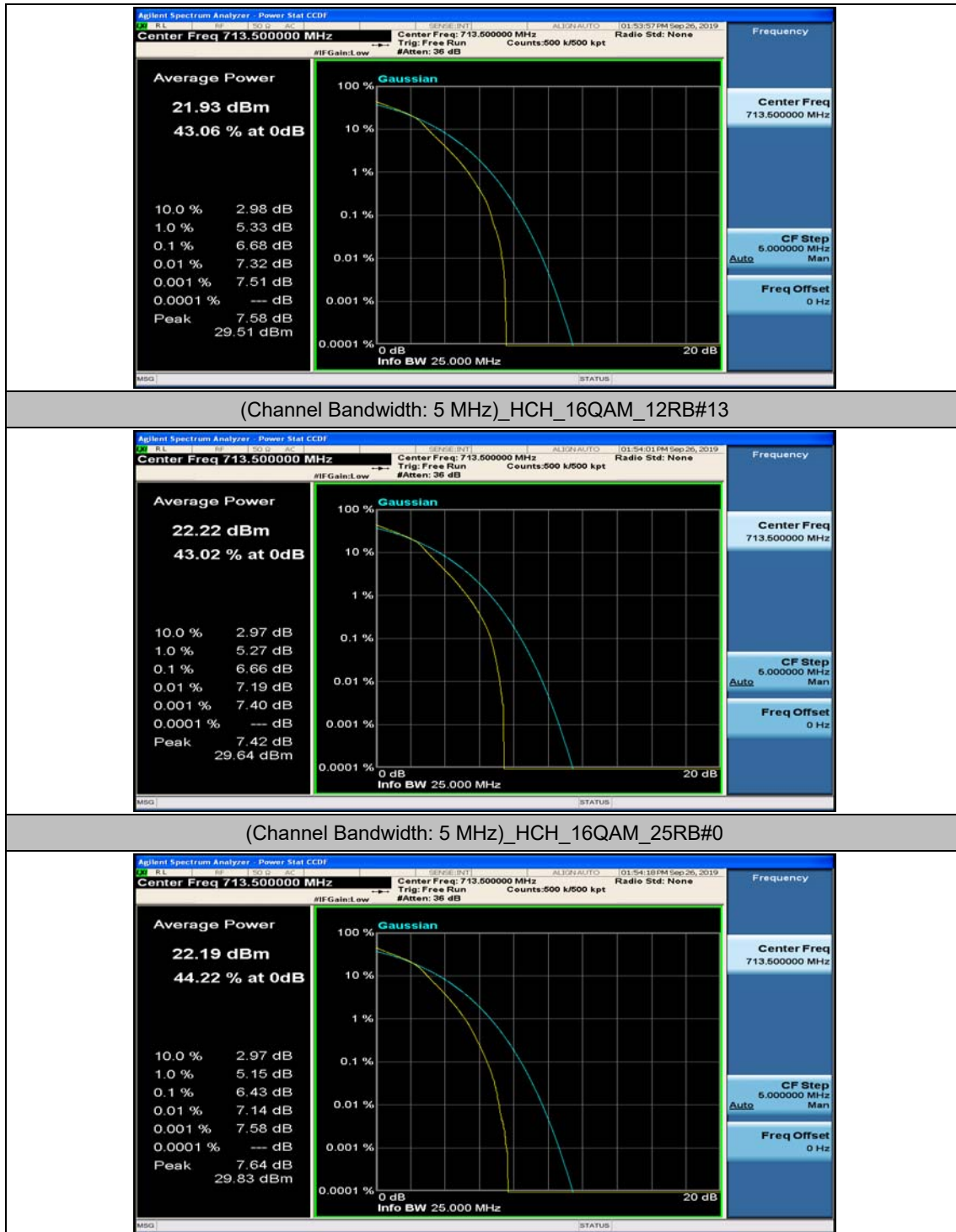
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



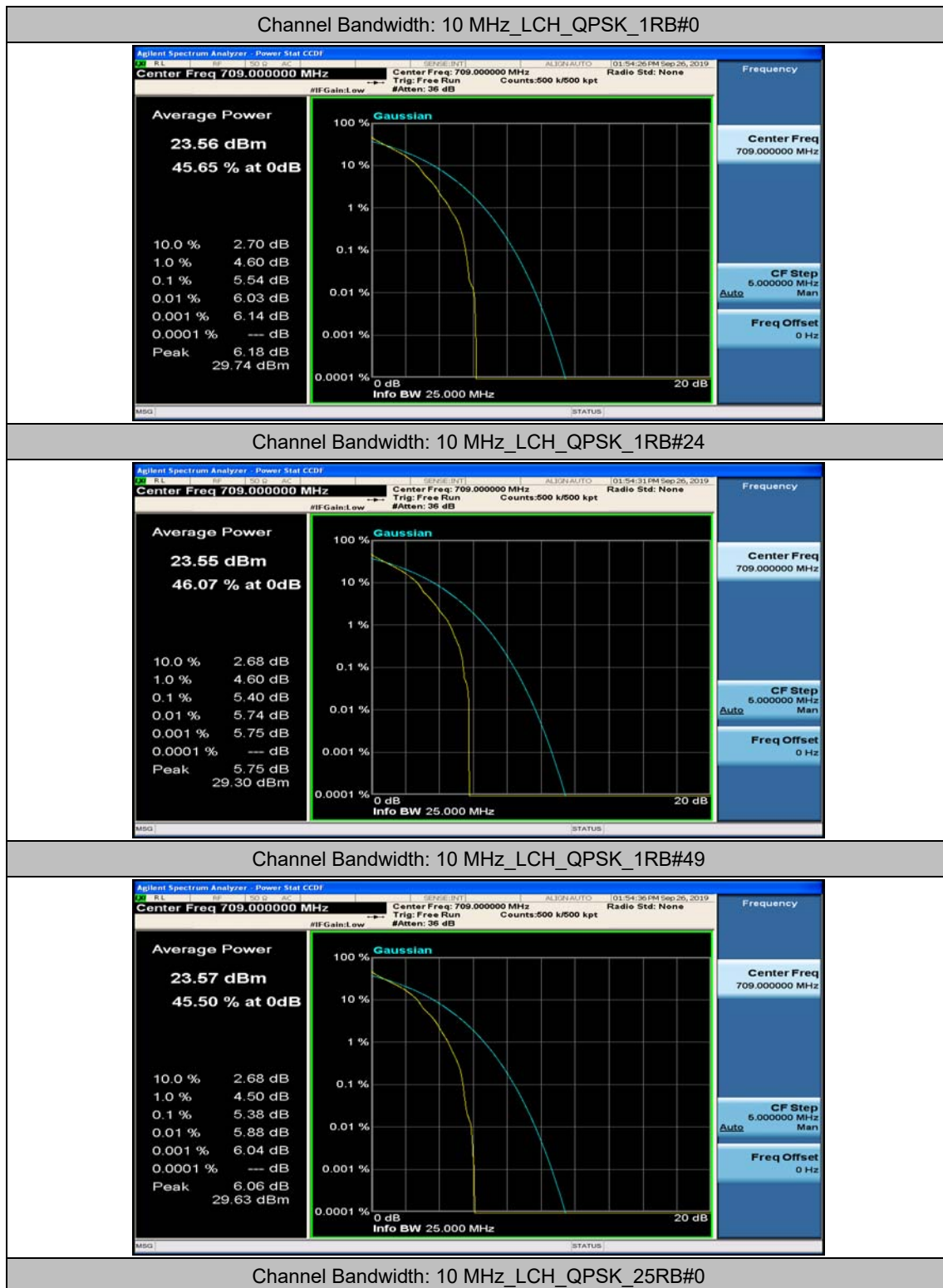
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

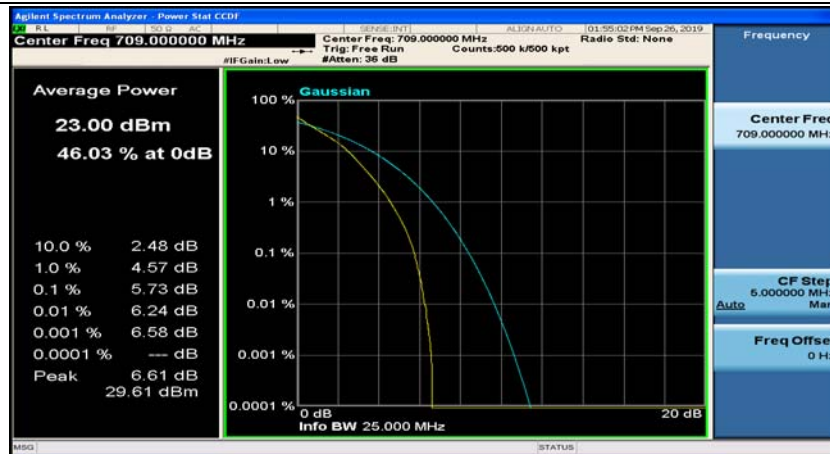


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

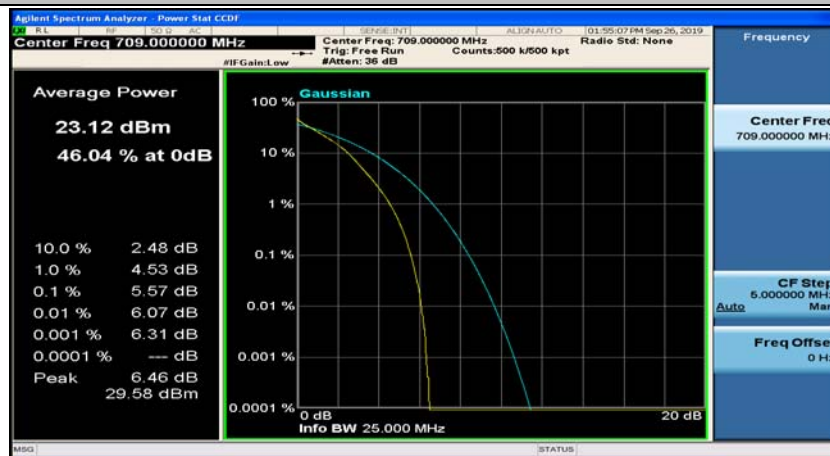


Channel Bandwidth: 10 MHz





Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



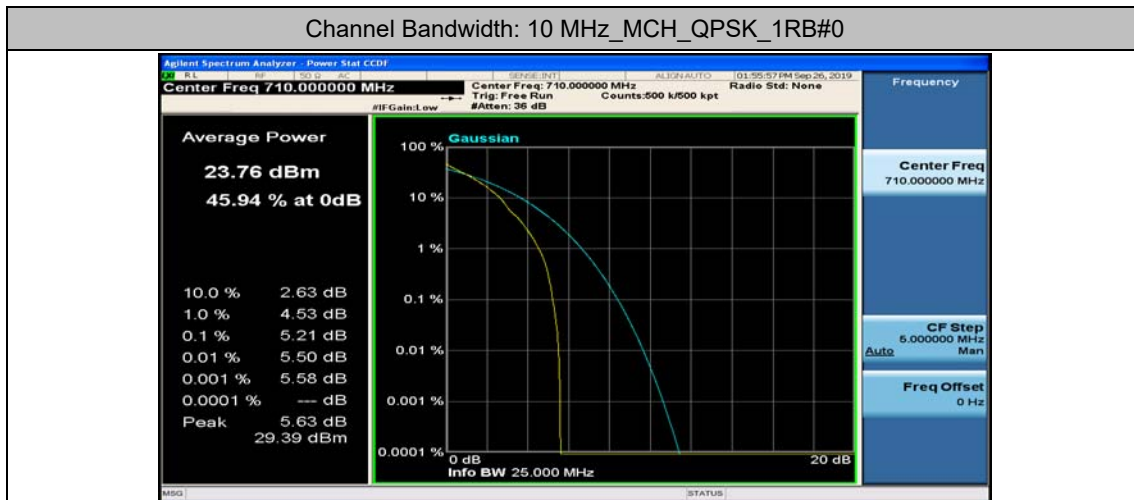
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



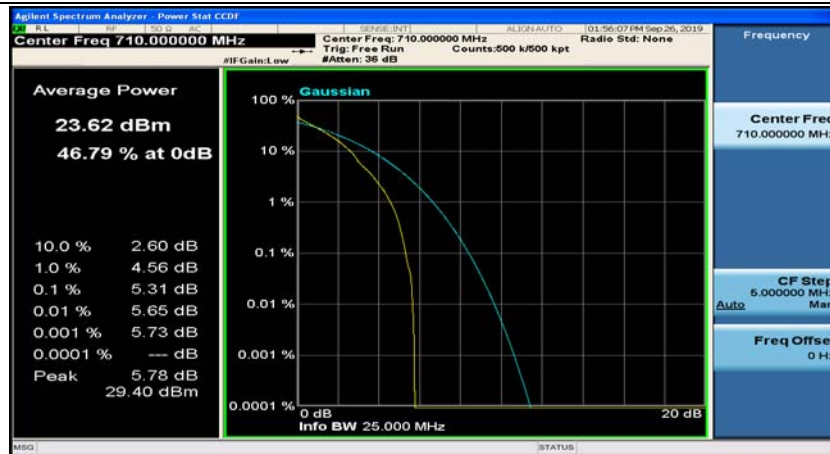
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



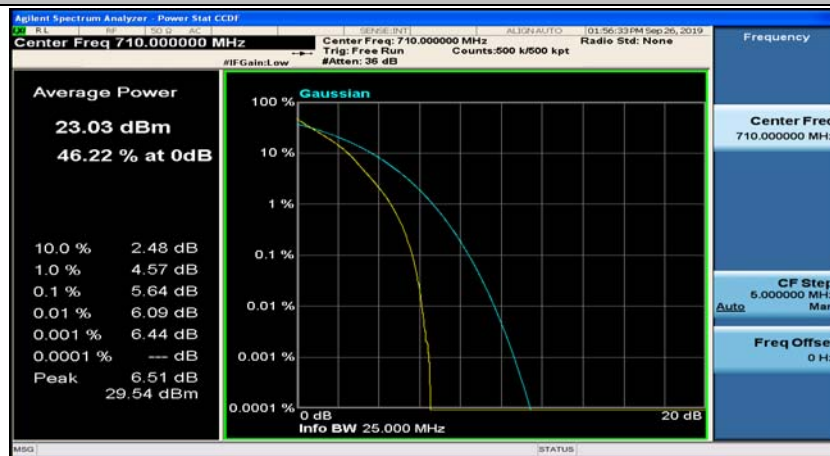
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



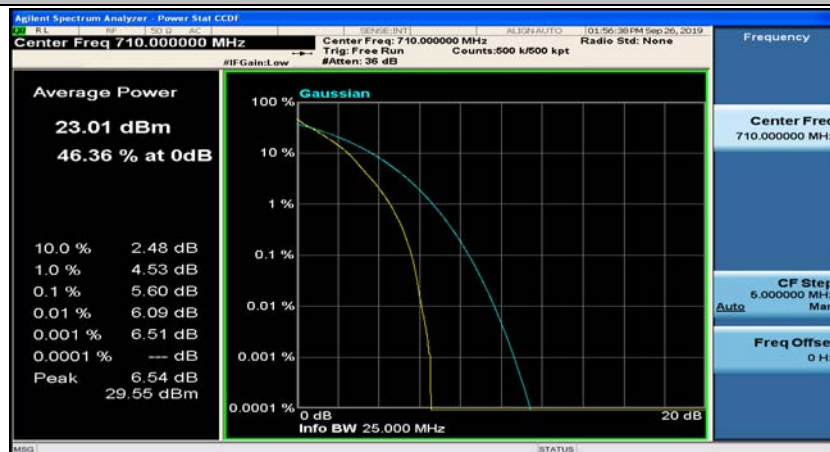
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



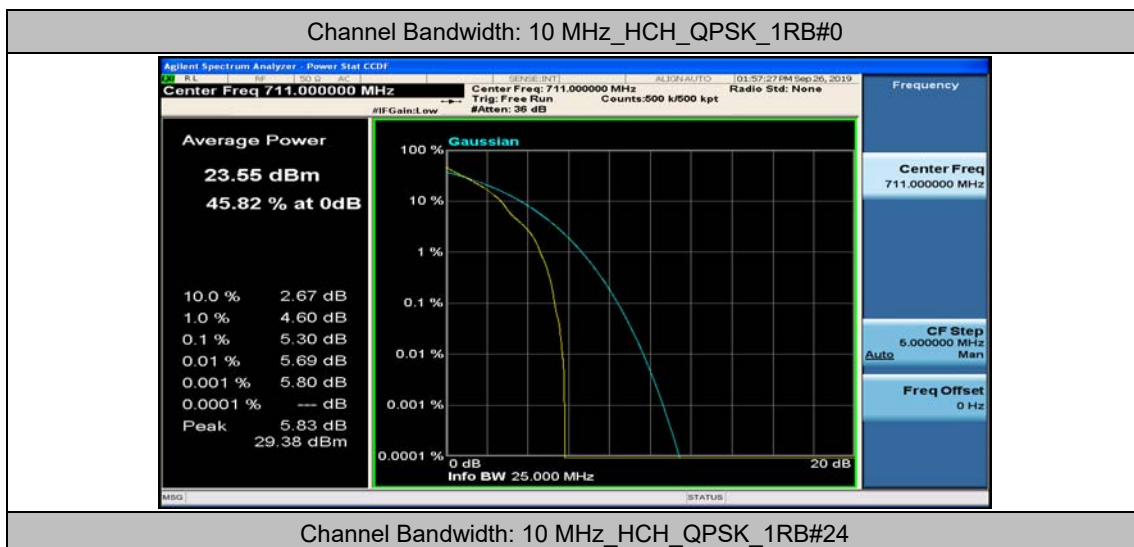
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

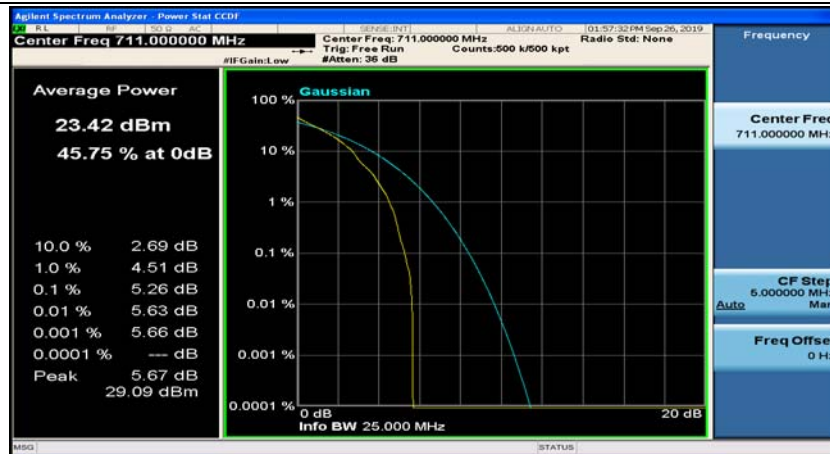


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

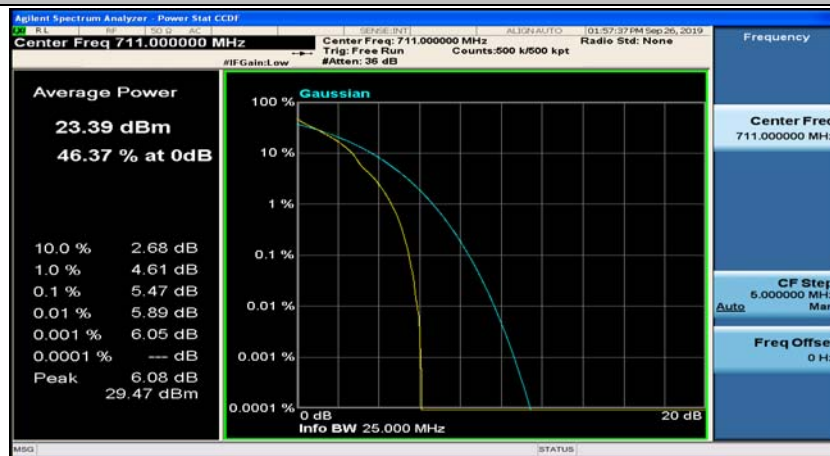


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

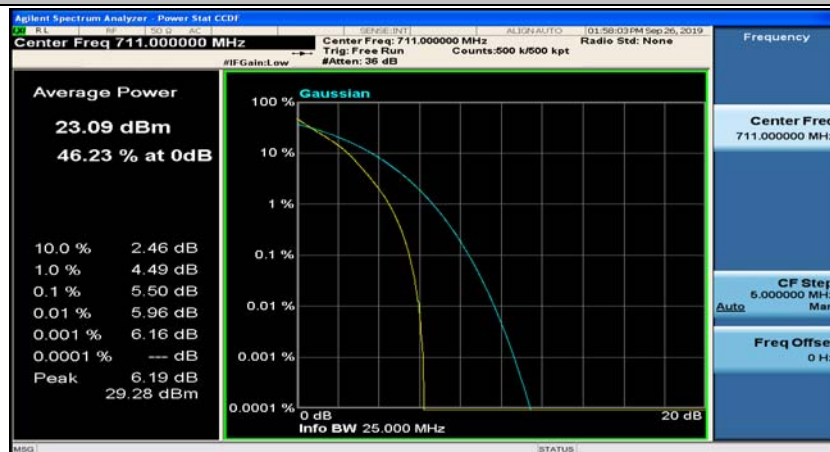




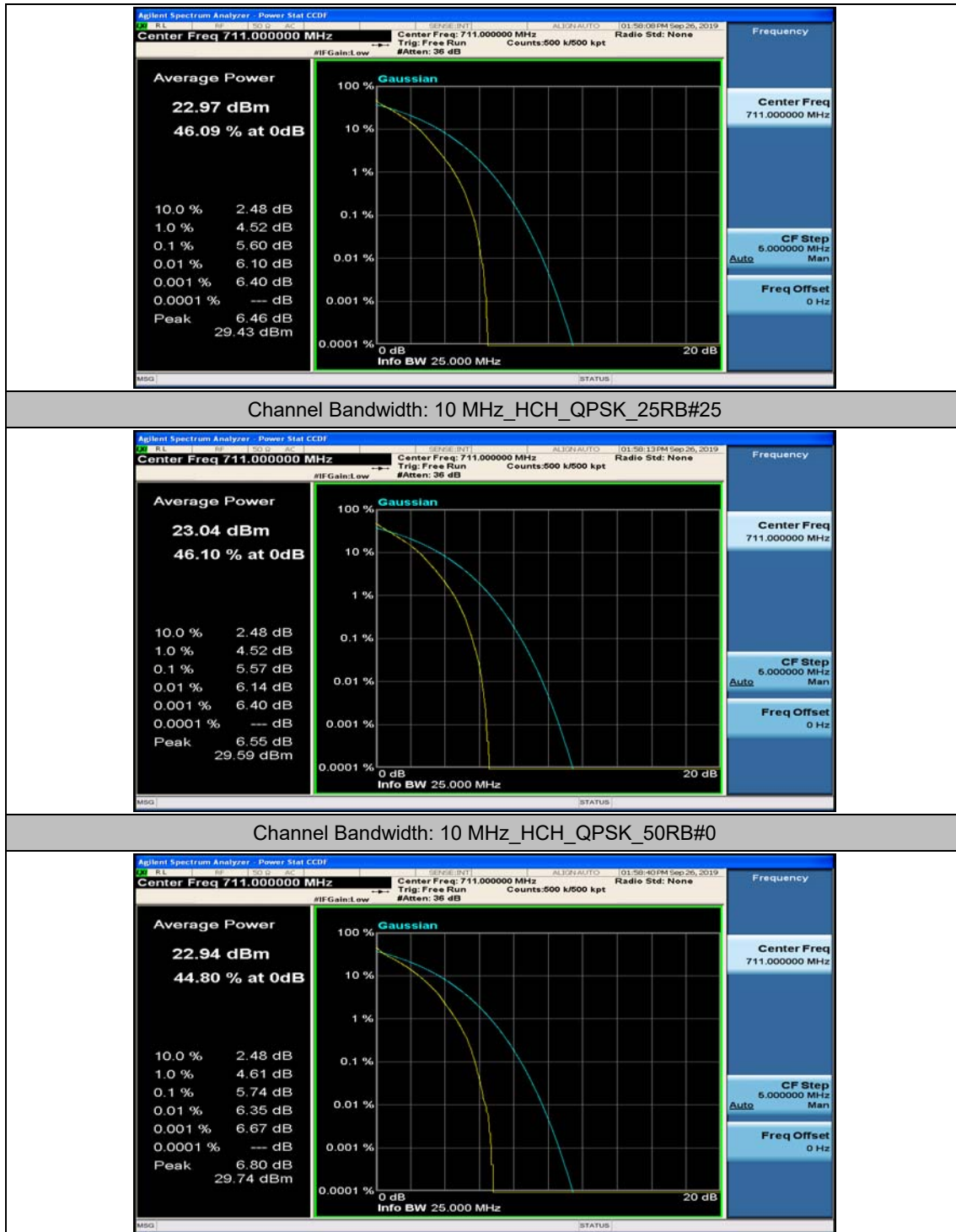
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



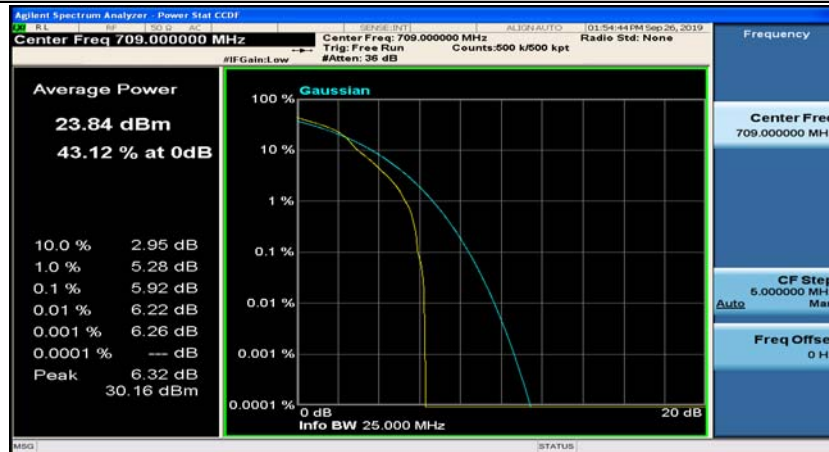
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



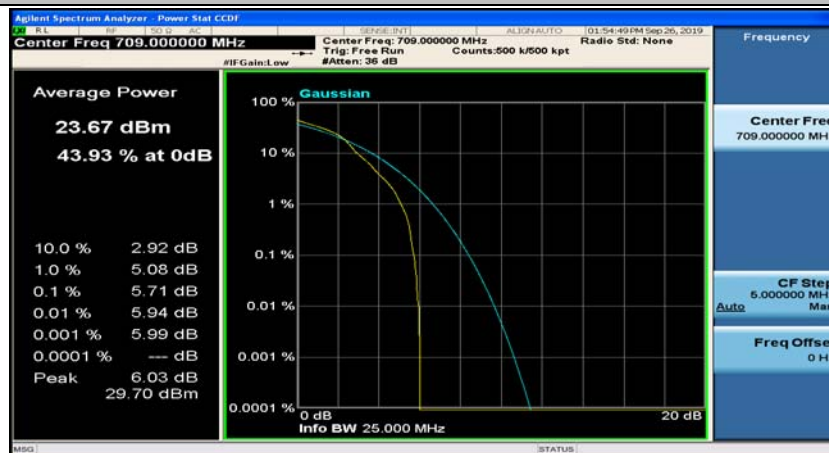
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



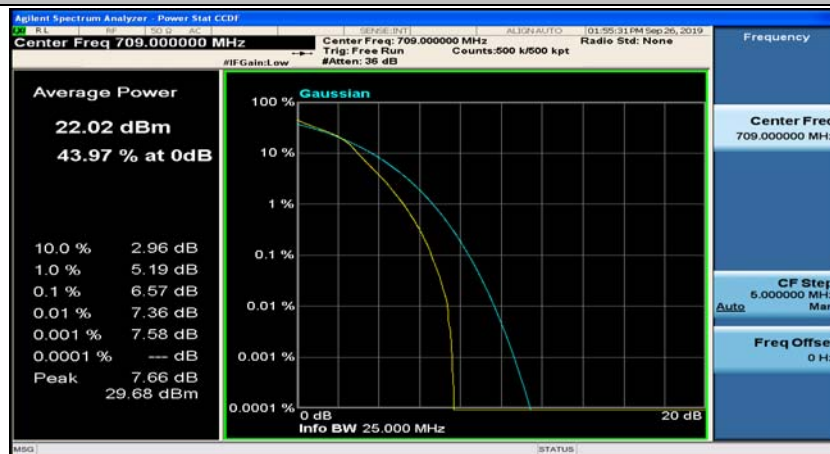
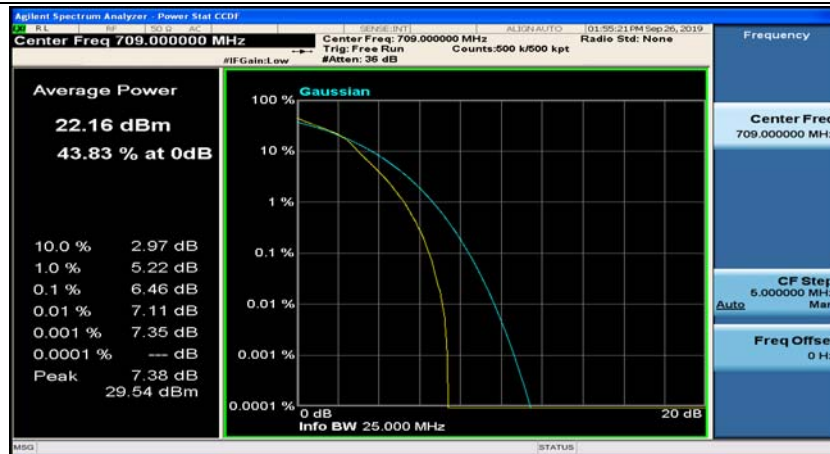
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





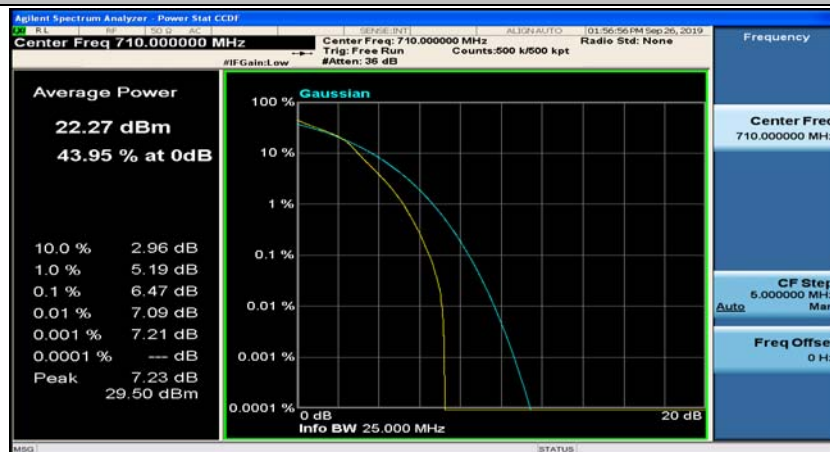
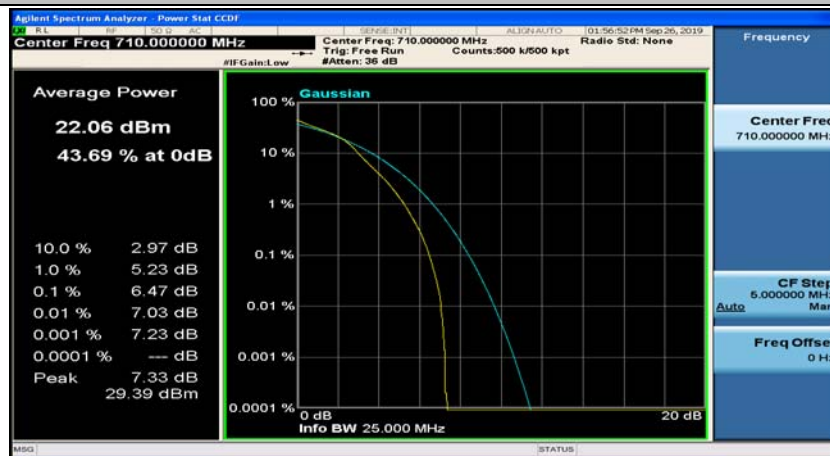
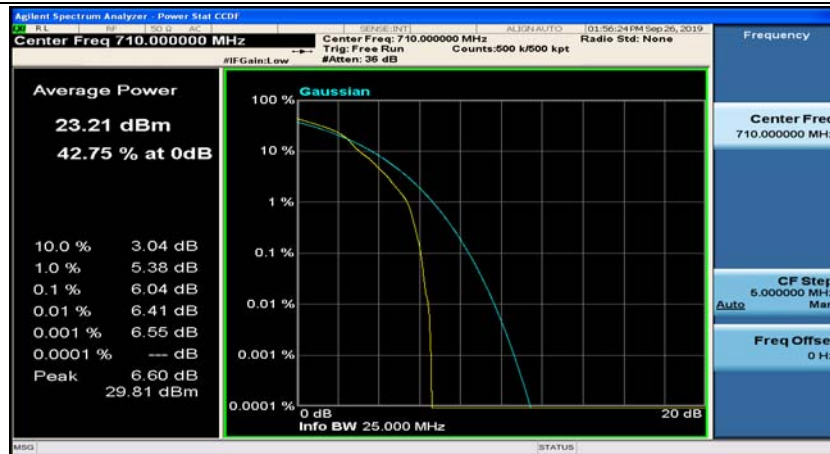
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

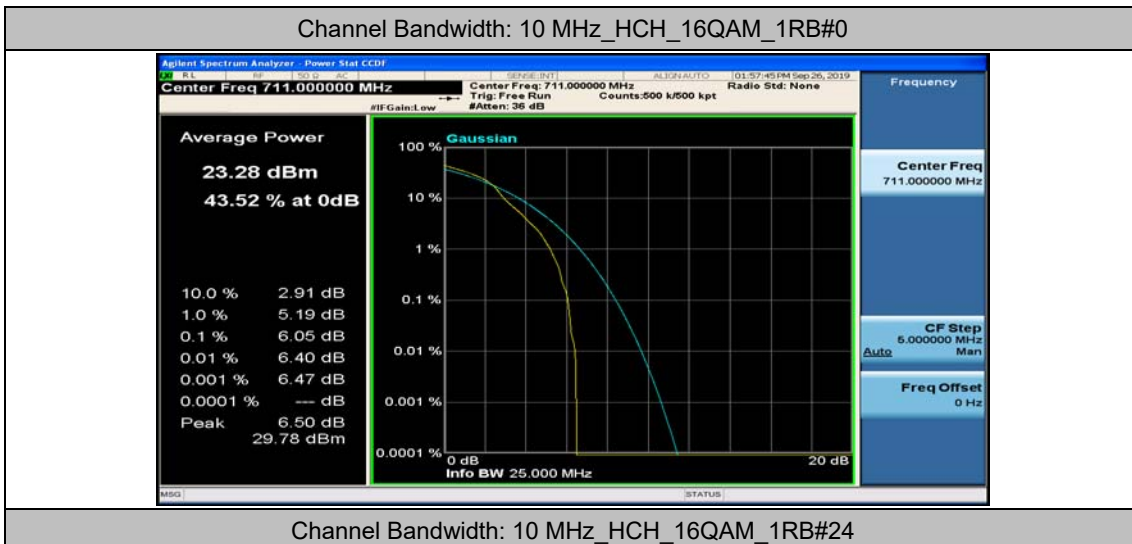


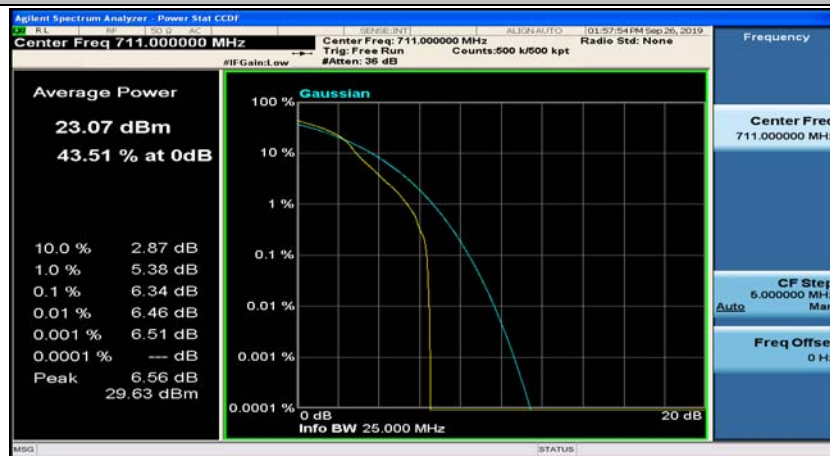
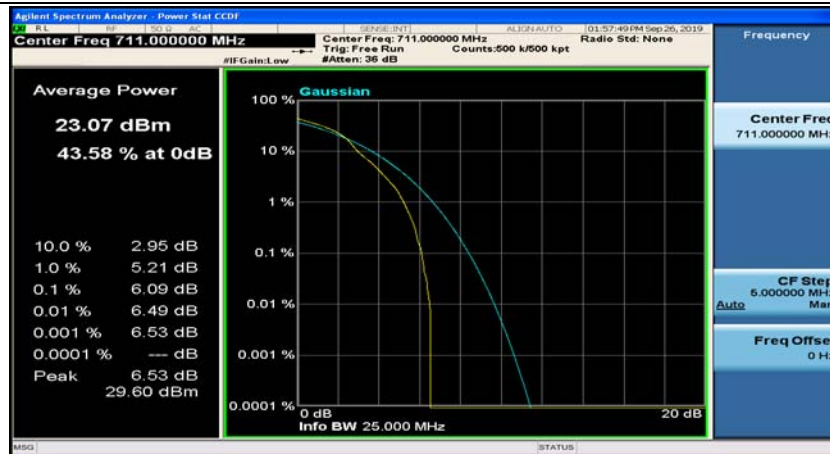
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

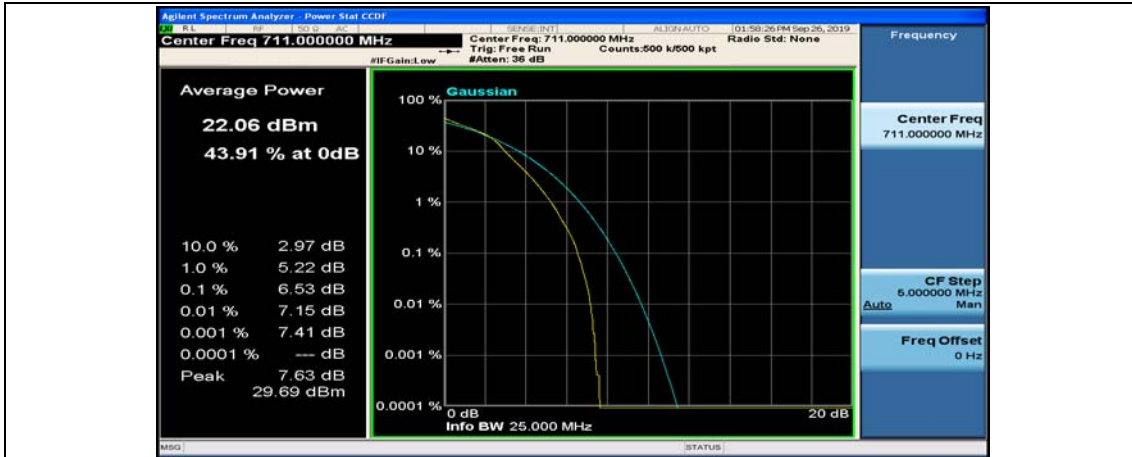


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



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	4.4645	4.832	PASS
	MCH	25	0	4.4669	4.834	PASS
	HCH	25	0	4.4761	4.855	PASS
16QAM	LCH	25	0	4.4733	4.805	PASS
	MCH	25	0	4.4716	4.782	PASS
	HCH	25	0	4.4678	4.809	PASS

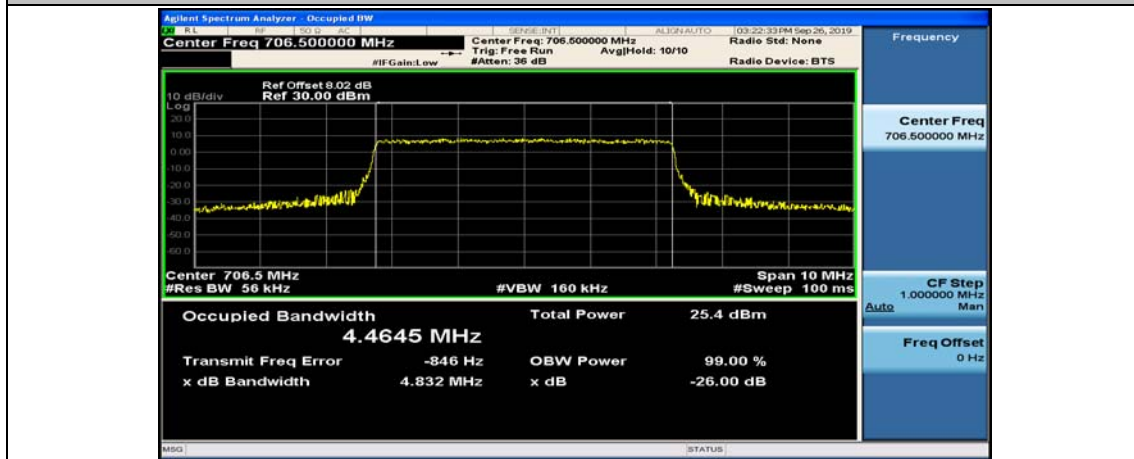
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9441	9.526	PASS
	MCH	50	0	8.9524	9.567	PASS
	HCH	50	0	8.9485	9.511	PASS
16QAM	LCH	50	0	8.9407	9.453	PASS
	MCH	50	0	8.9595	9.633	PASS
	HCH	50	0	8.9417	9.613	PASS

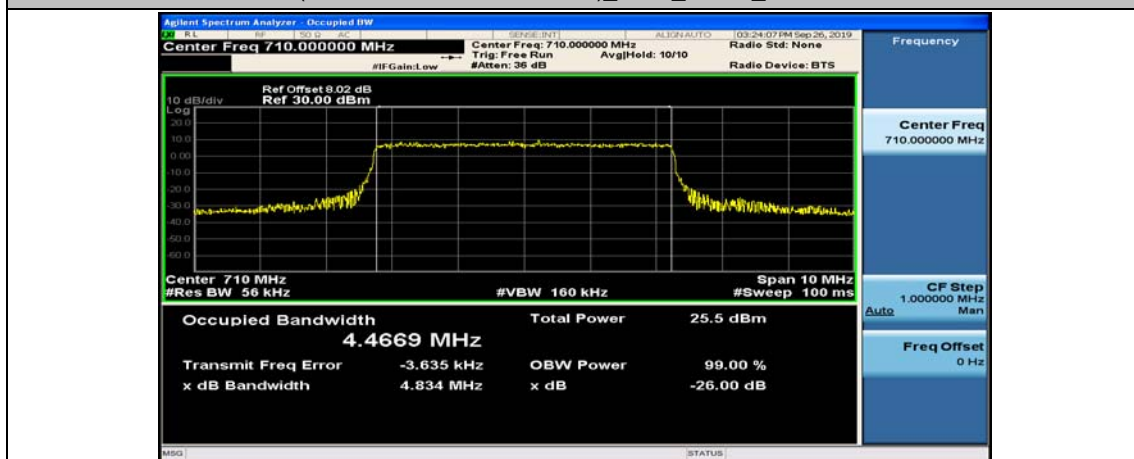
Test Graphs

Channel Bandwidth: 5 MHz

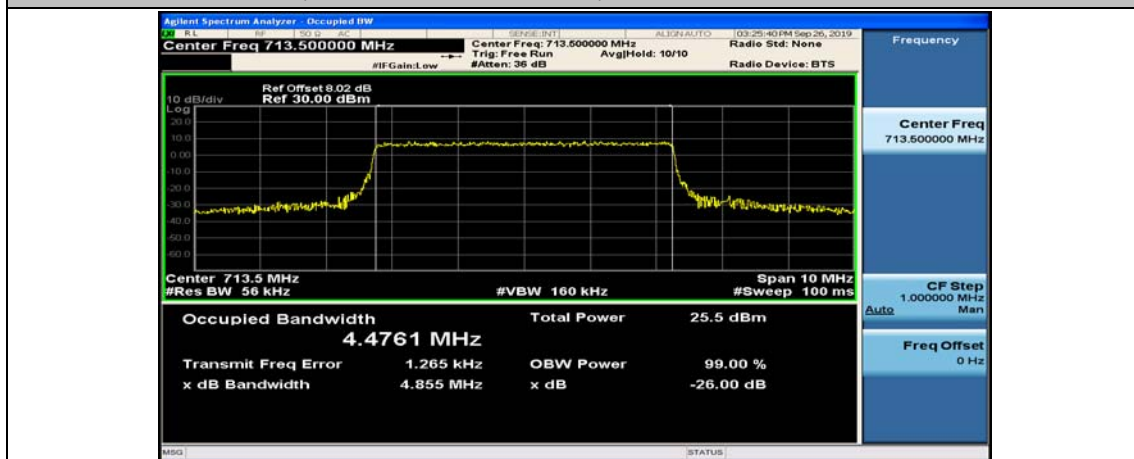
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



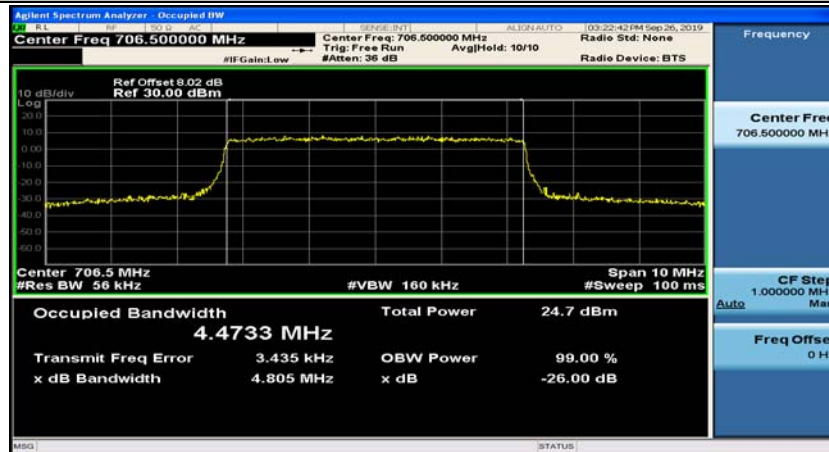
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



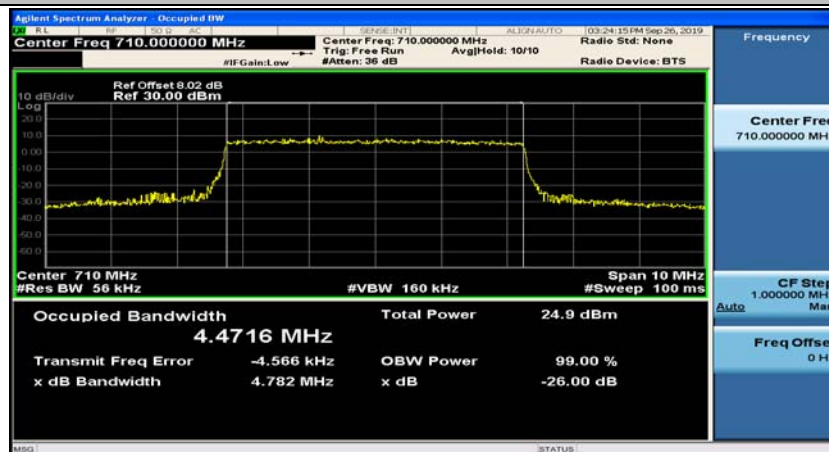
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



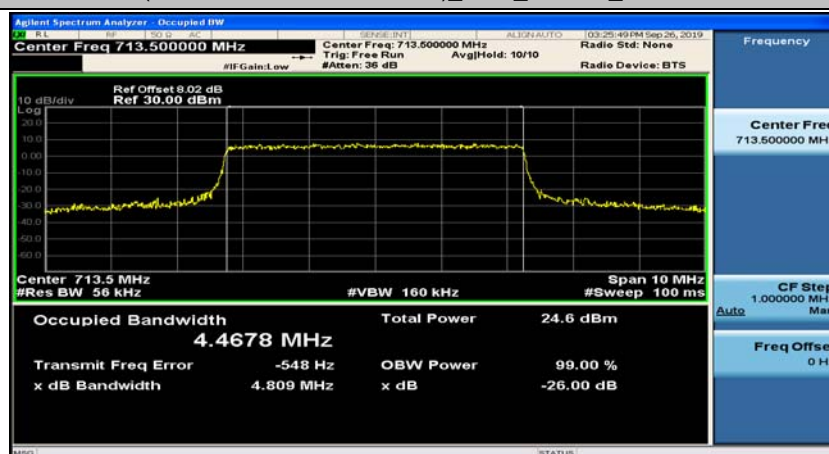
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



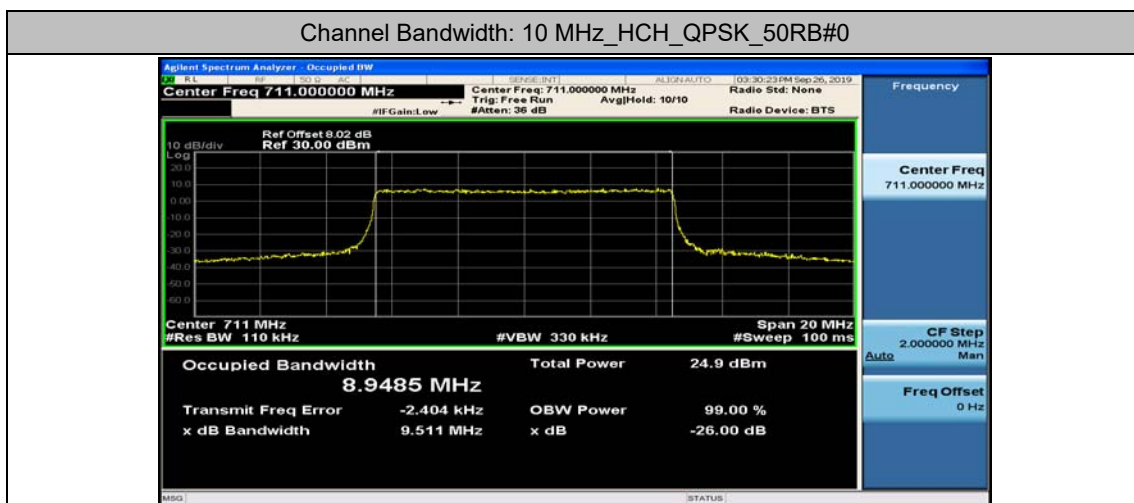
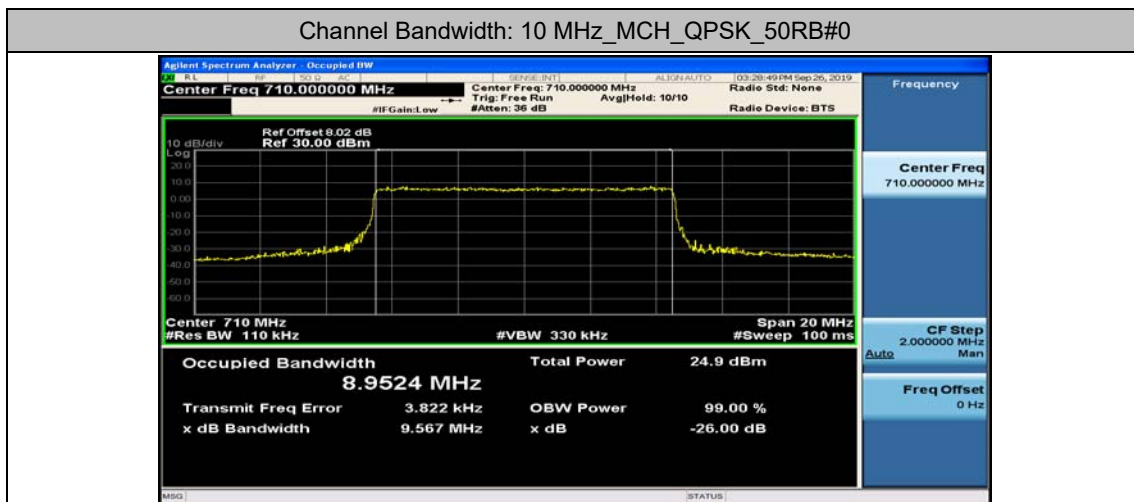
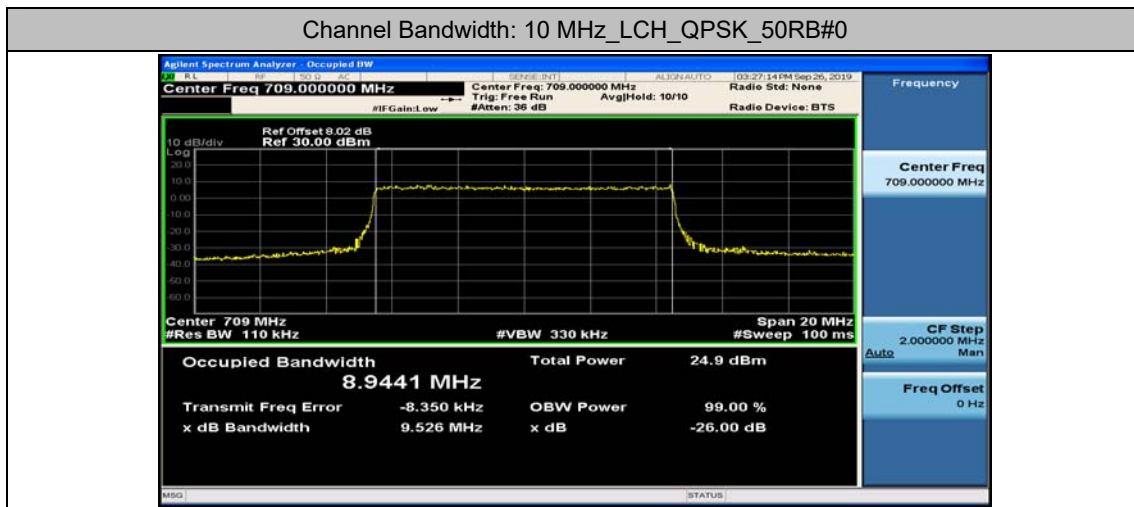
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



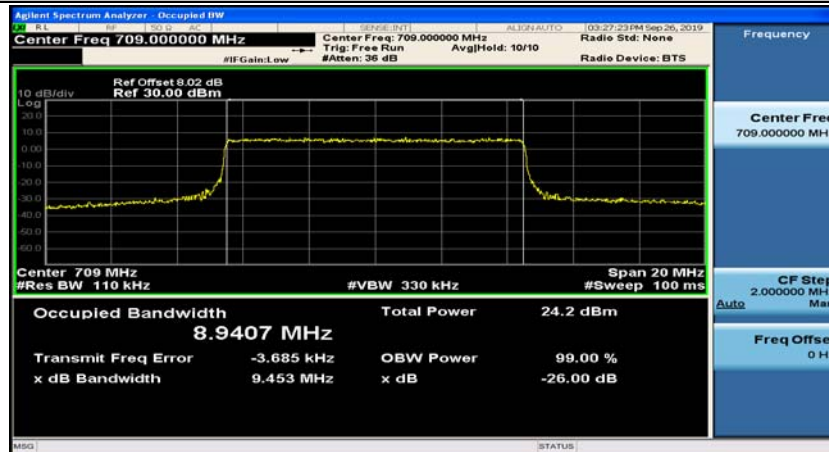
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



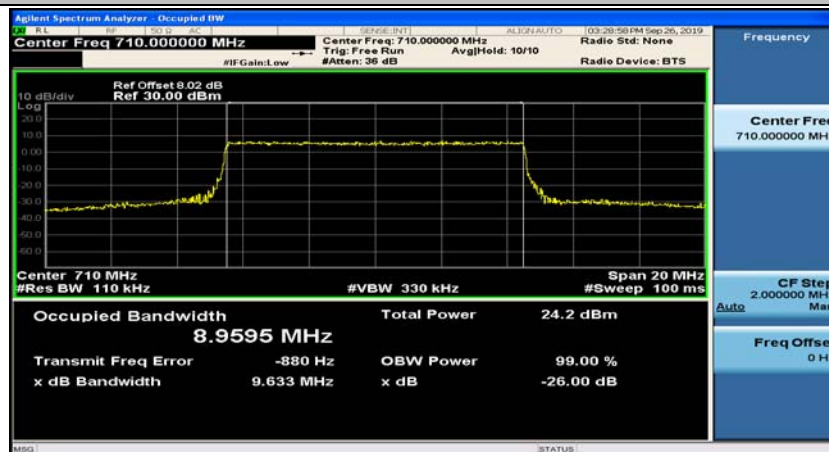
Channel Bandwidth: 10 MHz



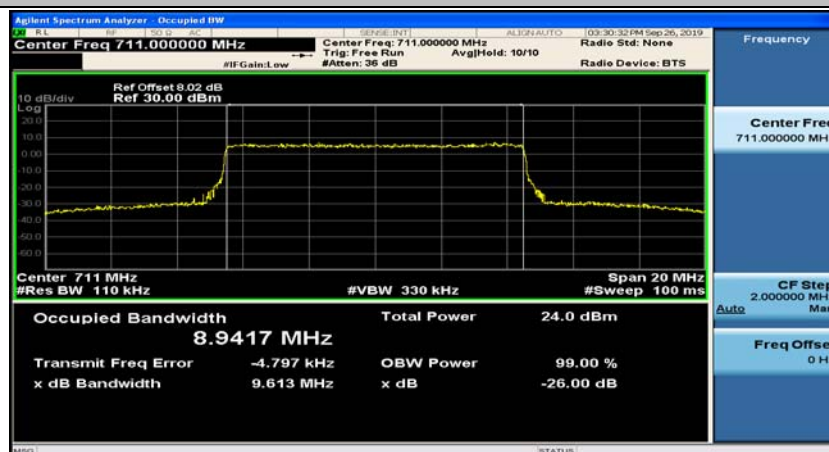
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

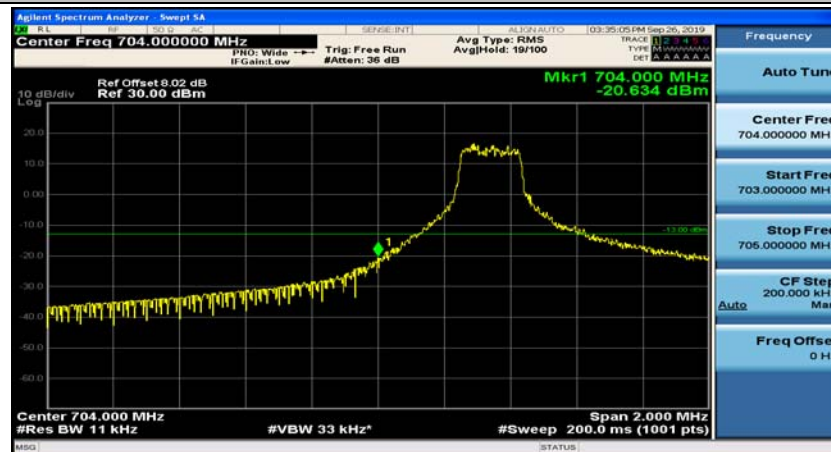


Appendix D: Band Edge

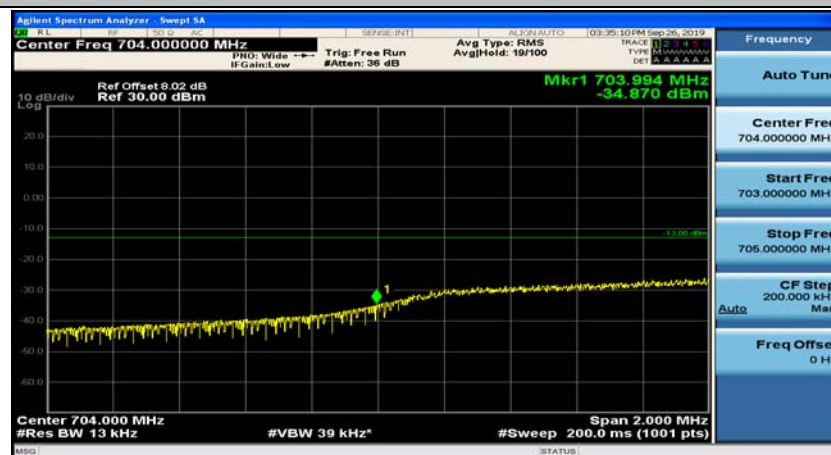
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



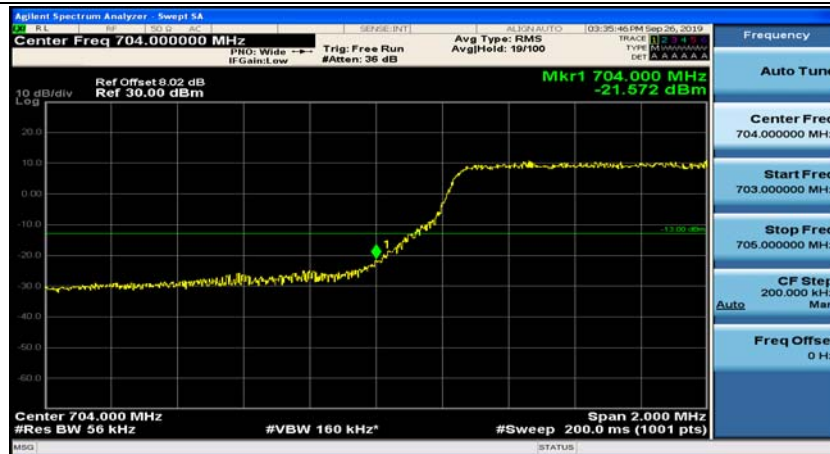
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



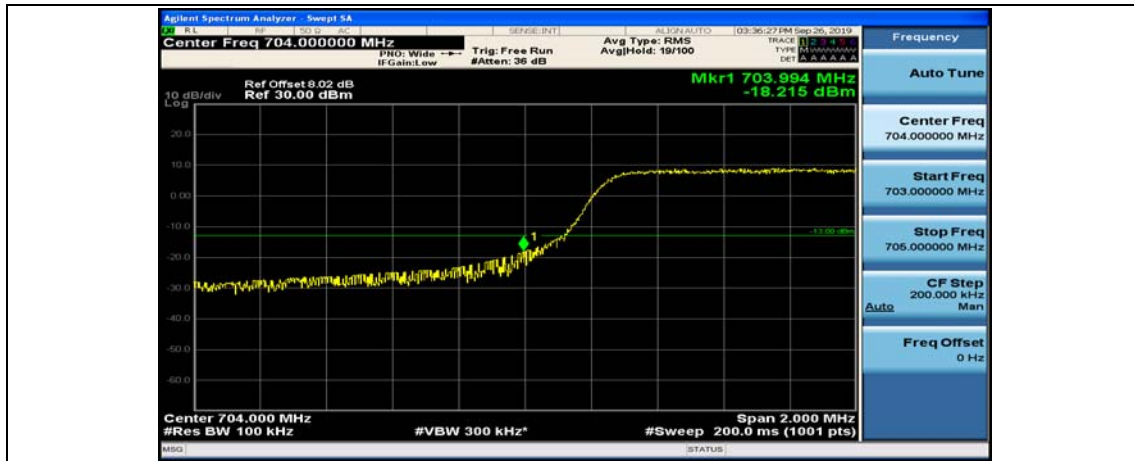
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



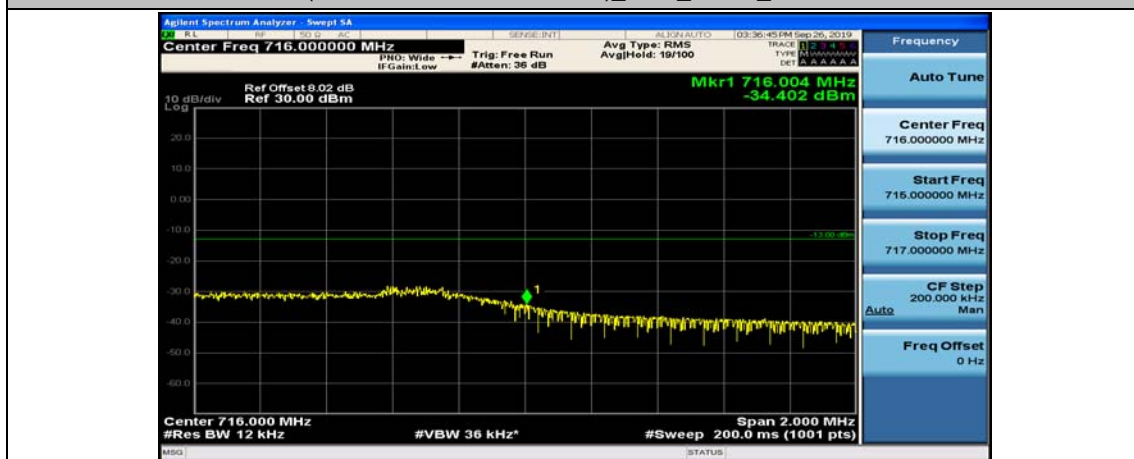
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



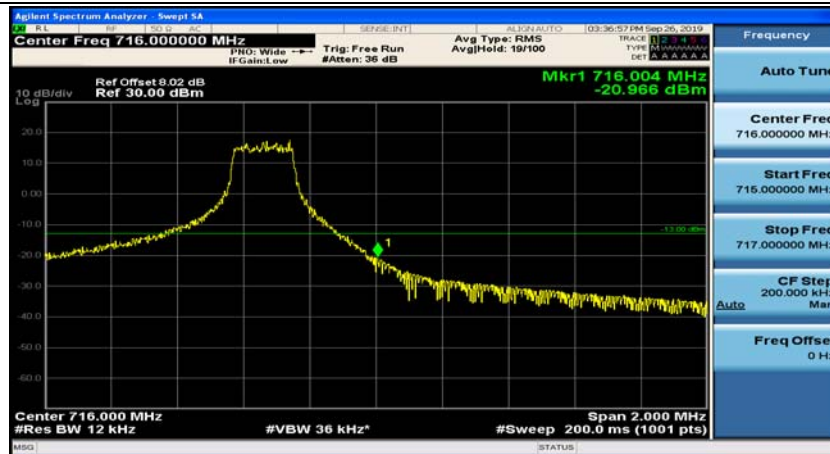
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



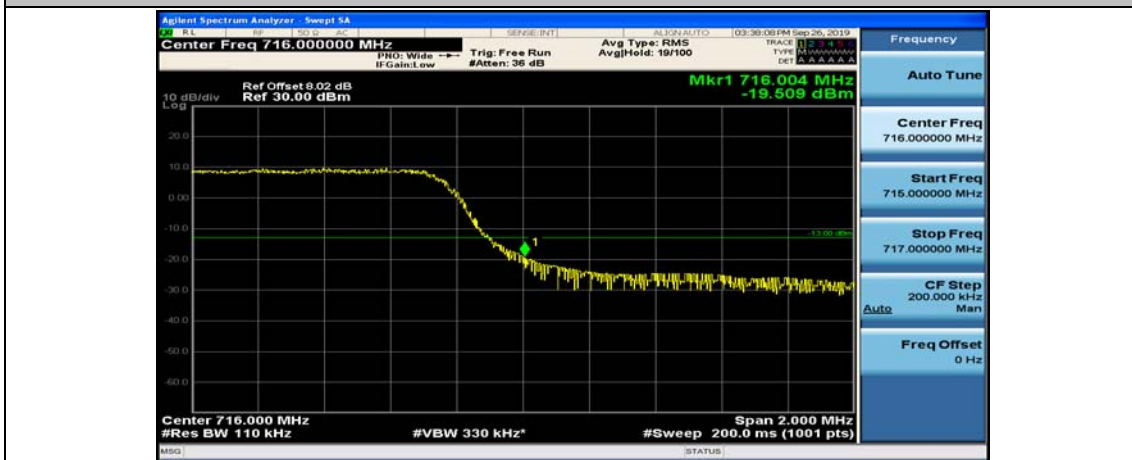
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



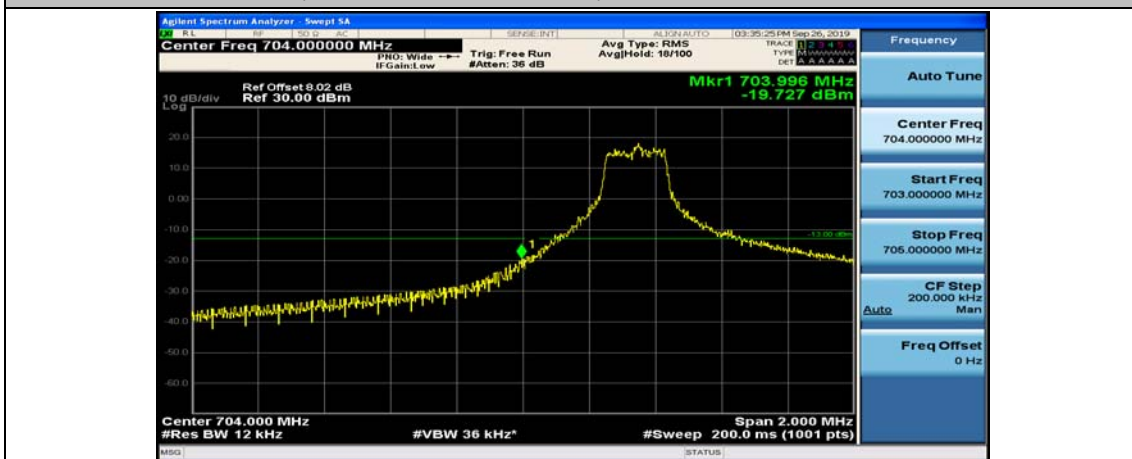
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



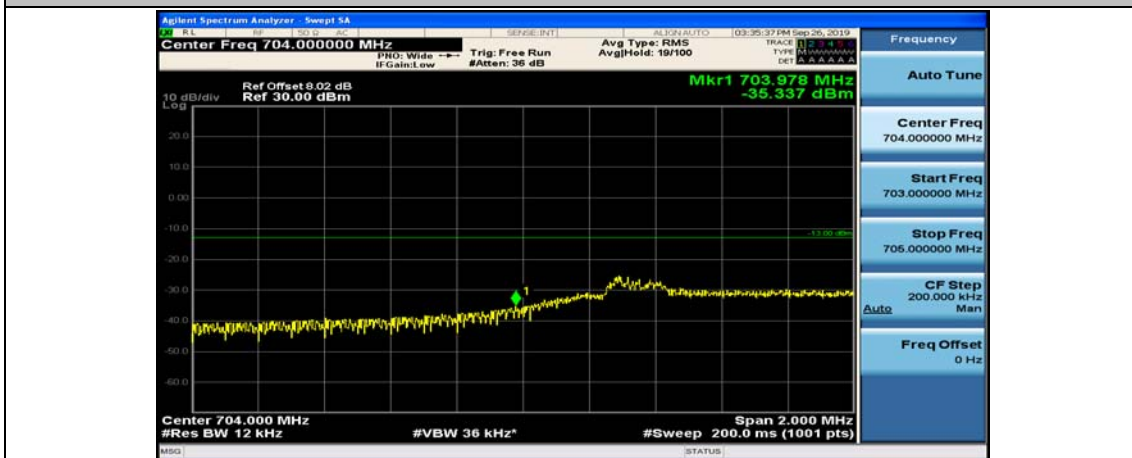
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



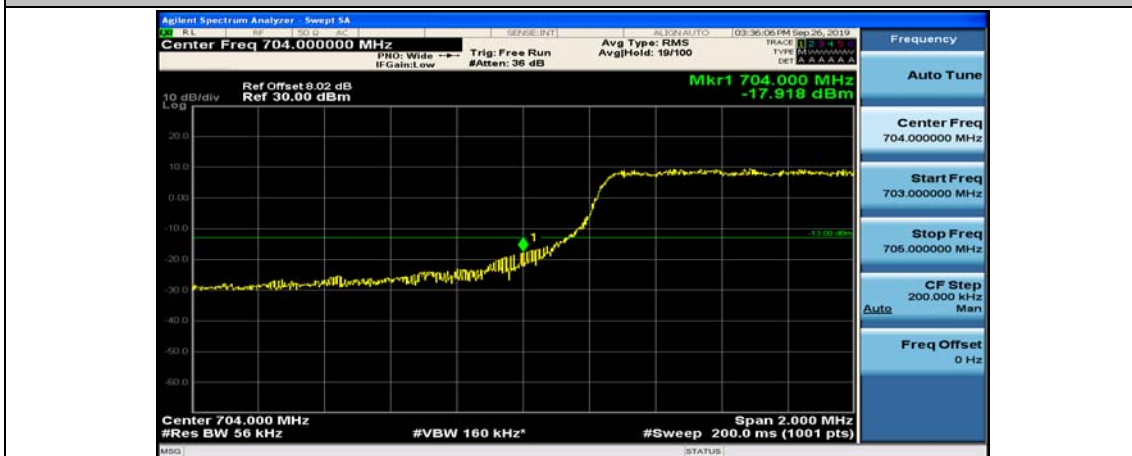
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



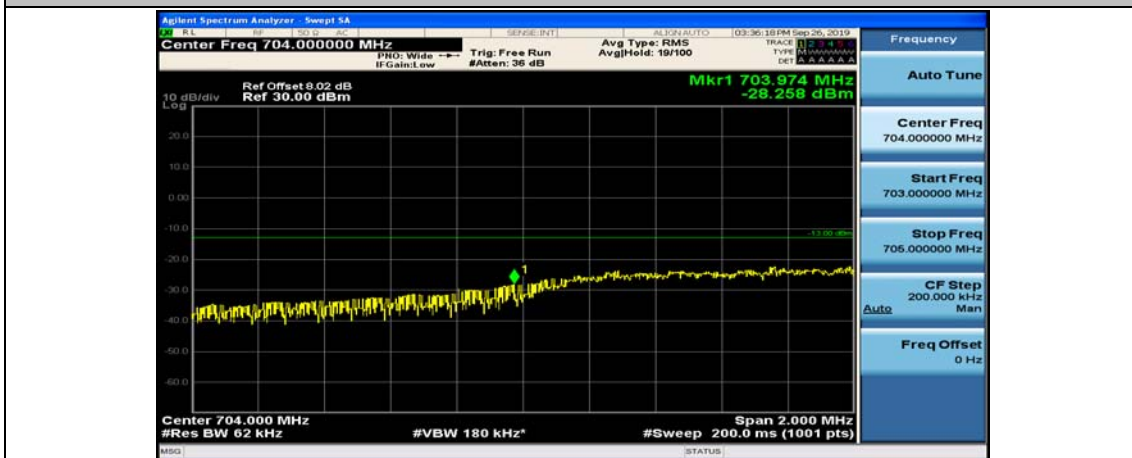
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



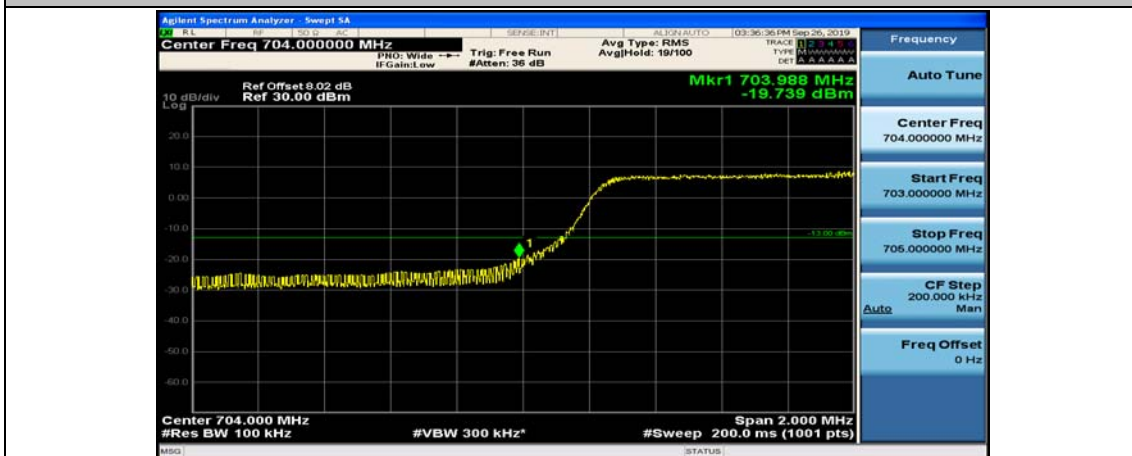
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



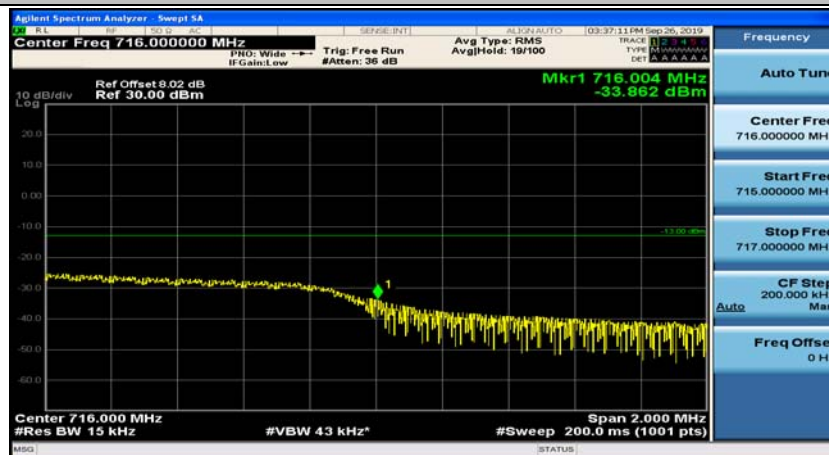
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



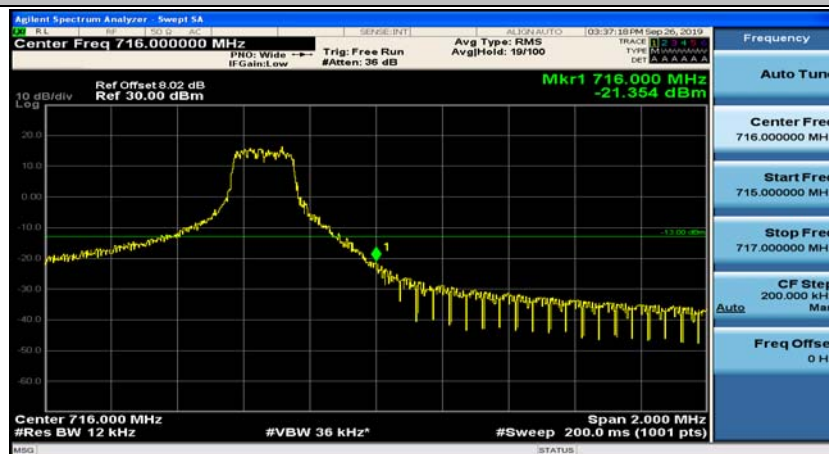
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(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



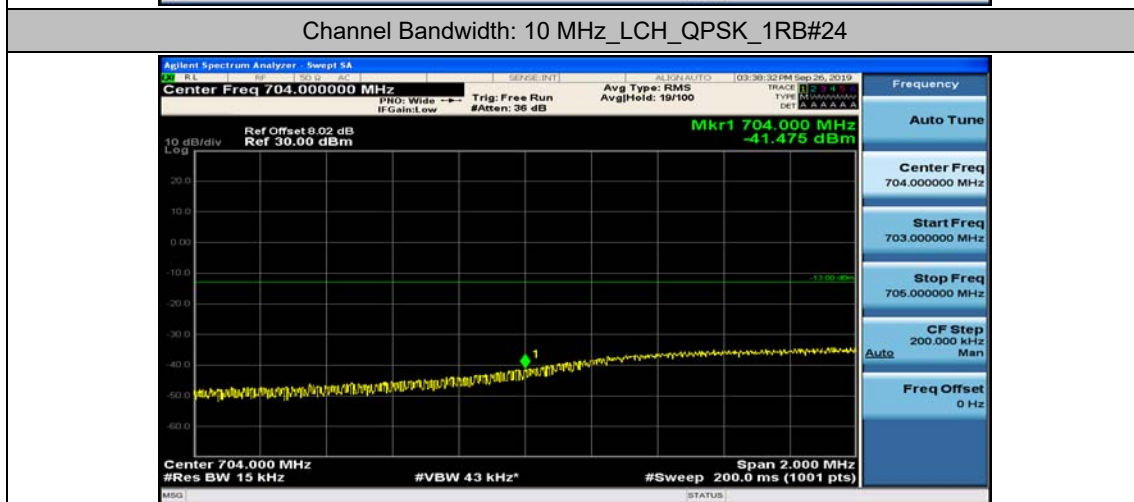
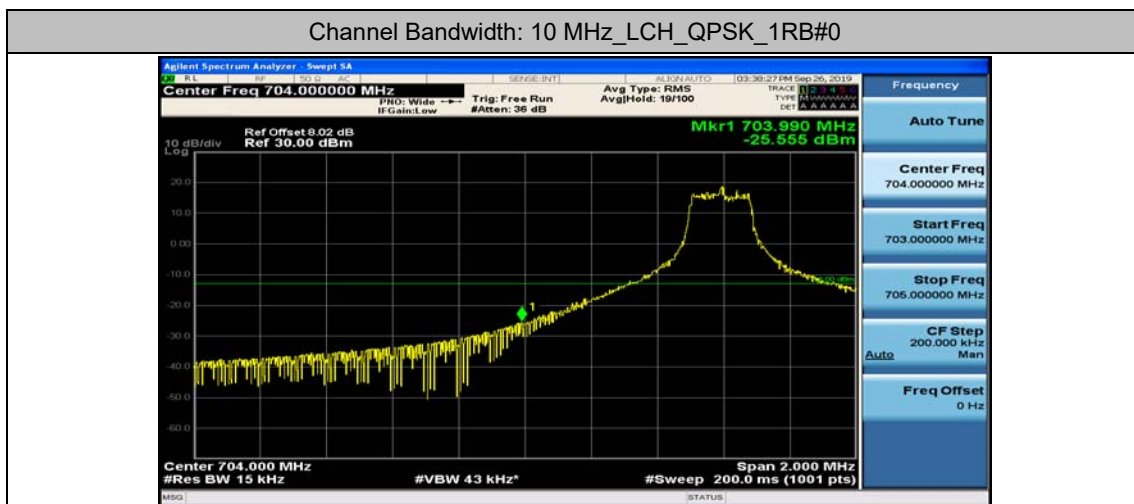
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

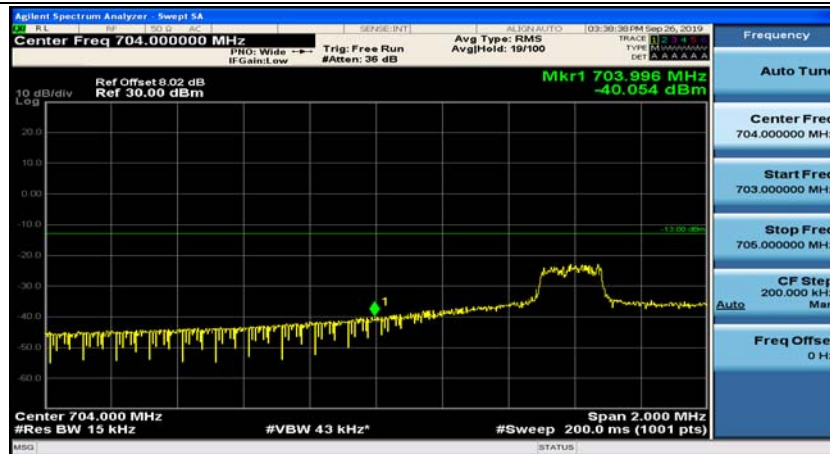


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

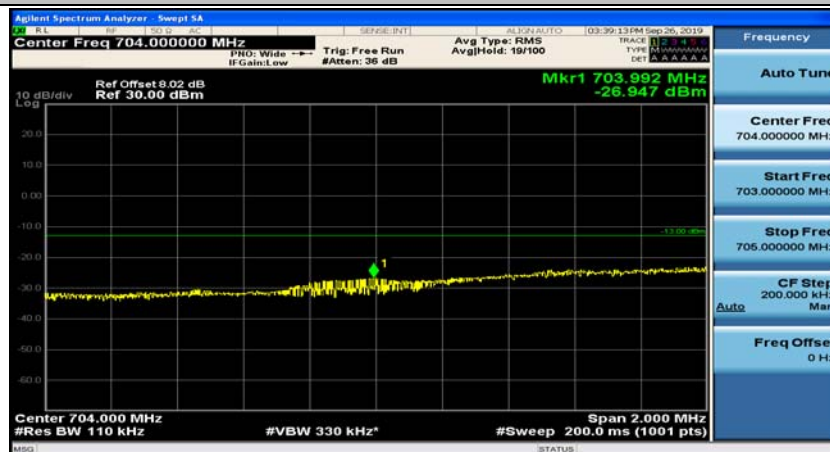




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



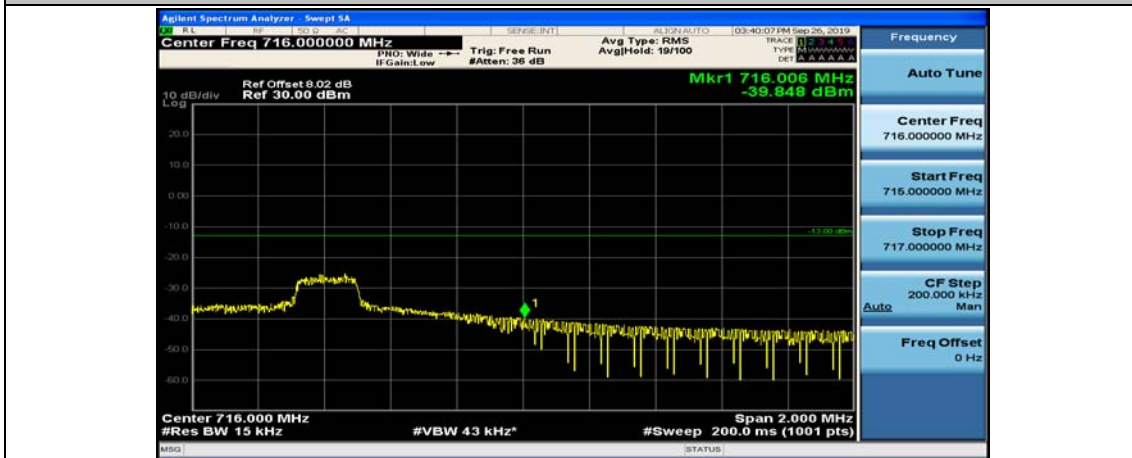
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



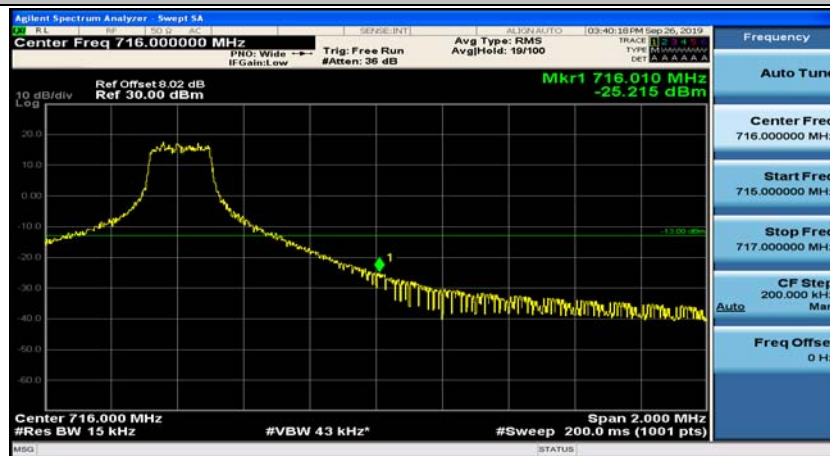
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



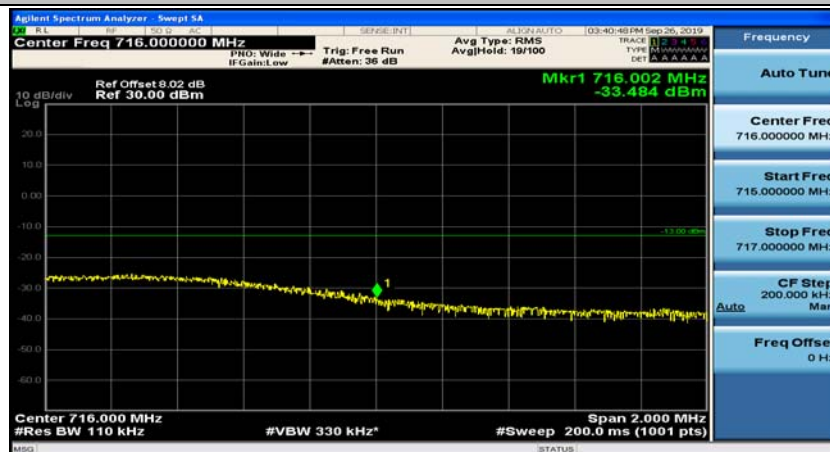
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12