Appendix E: Test Data For E-UTRA Band 17

E.1: RF Output Power

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.R.P [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.18	18.22	PASS
		1	12	22.40	18.44	PASS
		1	24	22.28	18.33	PASS
		12	0	21.50	17.54	PASS
		12	6	21.49	17.53	PASS
		12	13	21.51	17.54	PASS
		25	0	21.46	17.49	PASS
	MCH	1	0	22.53	18.57	PASS
		1	12	22.57	18.61	PASS
		1	24	22.32	18.36	PASS
		12	0	21.56	17.59	PASS
		12	6	21.54	17.58	PASS
		12	13	21.56	17.60	PASS
		25	0	21.49	17.52	PASS
	HCH	1	0	22.31	18.35	PASS
		1	12	22.30	18.34	PASS
		1	24	21.95	17.99	PASS
		12	0	21.48	17.51	PASS
		12	6	21.40	17.43	PASS
		12	13	21.29	17.33	PASS
		25	0	21.35	17.38	PASS
16QAM	LCH	1	0	21.78	17.82	PASS
		1	12	21.88	17.92	PASS
		1	24	21.73	17.77	PASS
		12	0	20.69	16.73	PASS
		12	6	20.67	16.71	PASS
		12	13	20.67	16.71	PASS
		25	0	20.54	16.57	PASS
	MCH	1	0	21.55	17.59	PASS
		1	12	21.61	17.65	PASS
		1	24	21.41	17.45	PASS
		12	0	20.63	16.67	PASS
		12	6	20.64	16.69	PASS
		12	13	20.66	16.70	PASS
		25	0	20.58	16.62	PASS
	HCH	1	0	21.60	17.63	PASS
		1	12	21.57	17.61	PASS

		1	24	21.09	17.13	PASS
		12	0	20.61	16.65	PASS
		12	6	20.52	16.55	PASS
		12	13	20.38	16.41	PASS
		25	0	20.48	16.52	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.R.P [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	22.42	18.46	PASS
		1	24	22.51	18.55	PASS
		1	49	22.21	18.24	PASS
		25	0	21.48	17.52	PASS
		25	12	21.51	17.55	PASS
		25	25	21.51	17.55	PASS
		50	0	21.46	17.50	PASS
	MCH	1	0	22.45	18.49	PASS
		1	24	22.46	18.49	PASS
		1	49	22.10	18.13	PASS
		25	0	21.48	17.51	PASS
		25	12	21.52	17.55	PASS
		25	25	21.45	17.49	PASS
		50	0	21.49	17.53	PASS
	HCH	1	0	22.56	18.59	PASS
		1	24	22.45	18.49	PASS
		1	49	22.04	18.08	PASS
		25	0	21.55	17.58	PASS
		25	12	21.54	17.58	PASS
		25	25	21.37	17.40	PASS
		50	0	21.47	17.51	PASS
16QAM	LCH	1	0	21.78	17.81	PASS
		1	24	21.84	17.88	PASS
		1	49	21.58	17.62	PASS
		25	0	20.57	16.61	PASS
		25	12	20.57	16.60	PASS
		25	25	20.62	16.65	PASS
		50	0	20.49	16.53	PASS
	MCH	1	0	21.77	17.80	PASS
		1	24	21.82	17.86	PASS
		1	49	21.41	17.44	PASS
		25	0	20.57	16.61	PASS
		25	12	20.60	16.63	PASS
		25	25	20.53	16.58	PASS
		50	0	20.52	16.56	PASS

	HCH	1	0	21.93	17.97	PASS
		1	24	21.93	17.97	PASS
		1	49	21.42	17.45	PASS
		25	0	20.62	16.65	PASS
		25	12	20.64	16.67	PASS
		25	25	20.48	16.53	PASS
		50	0	20.57	16.61	PASS

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E.2: Peak-to-Average Ratio

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.59	<13	PASS
		1	12	3.59	<13	PASS
		1	24	3.73	<13	PASS
		12	0	5.03	<13	PASS
		12	6	4.82	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.32	<13	PASS
	MCH	1	0	3.72	<13	PASS
		1	12	3.93	<13	PASS
		1	24	4.11	<13	PASS
		12	0	5.12	<13	PASS
		12	6	5.28	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.59	<13	PASS
	HCH	1	0	4.03	<13	PASS
		1	12	3.8	<13	PASS
		1	24	3.49	<13	PASS
		12	0	5.52	<13	PASS
		12	6	5.21	<13	PASS
		12	13	4.83	<13	PASS
		25	0	5.41	<13	PASS
16QAM	LCH	1	0	5.04	<13	PASS
		1	12	4.8	<13	PASS
		1	24	4.96	<13	PASS
		12	0	5.79	<13	PASS
		12	6	5.67	<13	PASS
		12	13	5.73	<13	PASS
		25	0	6.1	<13	PASS
	MCH	1	0	4.67	<13	PASS
		1	12	4.84	<13	PASS
		1	24	5.17	<13	PASS
		12	0	6	<13	PASS
		12	6	6.19	<13	PASS
		12	13	6.36	<13	PASS
		25	0	6.37	<13	PASS
	HCH	1	0	5.21	<13	PASS
		1	12	5.04	<13	PASS
		1	24	4.7	<13	PASS

		12	0	6.31	<13	PASS
		12	6	6.05	<13	PASS
		12	13	5.65	<13	PASS
		25	0	6.19	<13	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	3.79	<13	PASS
		1	24	3.83	<13	PASS
		1	49	3.83	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.3	<13	PASS
		25	25	5.46	<13	PASS
		50	0	5.57	<13	PASS
	MCH	1	0	3.7	<13	PASS
		1	24	3.88	<13	PASS
		1	49	3.51	<13	PASS
		25	0	5.2	<13	PASS
		25	12	5.45	<13	PASS
		25	25	5.4	<13	PASS
		50	0	5.55	<13	PASS
	HCH	1	0	3.63	<13	PASS
		1	24	3.96	<13	PASS
		1	49	3.38	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.5	<13	PASS
		25	25	5.26	<13	PASS
		50	0	5.5	<13	PASS
16QAM	LCH	1	0	4.94	<13	PASS
		1	24	4.92	<13	PASS
		1	49	4.99	<13	PASS
		25	0	5.99	<13	PASS
		25	12	6.09	<13	PASS
		25	25	6.31	<13	PASS
		50	0	6.26	<13	PASS
	MCH	1	0	4.81	<13	PASS
		1	24	5.04	<13	PASS
		1	49	4.8	<13	PASS
		25	0	6.01	<13	PASS
		25	12	6.18	<13	PASS
		25	25	6.25	<13	PASS
		50	0	6.27	<13	PASS

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	HCH	1	0	4.73	<13	PASS
		1	24	5.22	<13	PASS
		1	49	4.52	<13	PASS
		25	0	6.08	<13	PASS
		25	12	6.28	<13	PASS
		25	25	6.1	<13	PASS
		50	0	6.26	<13	PASS

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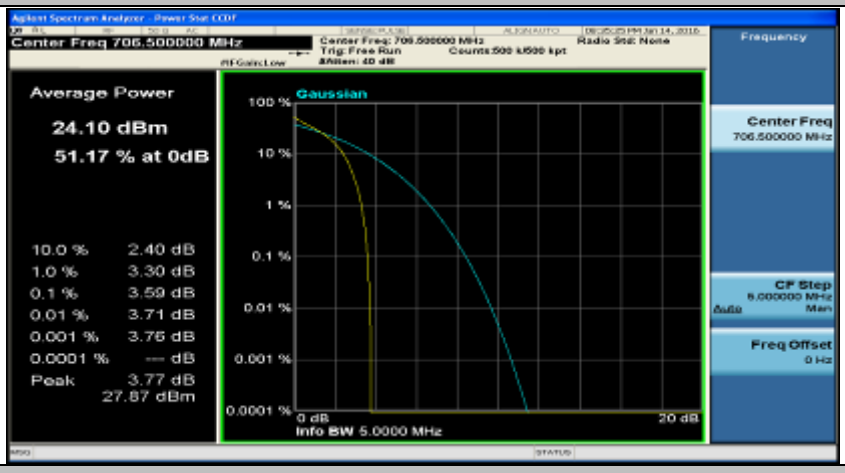
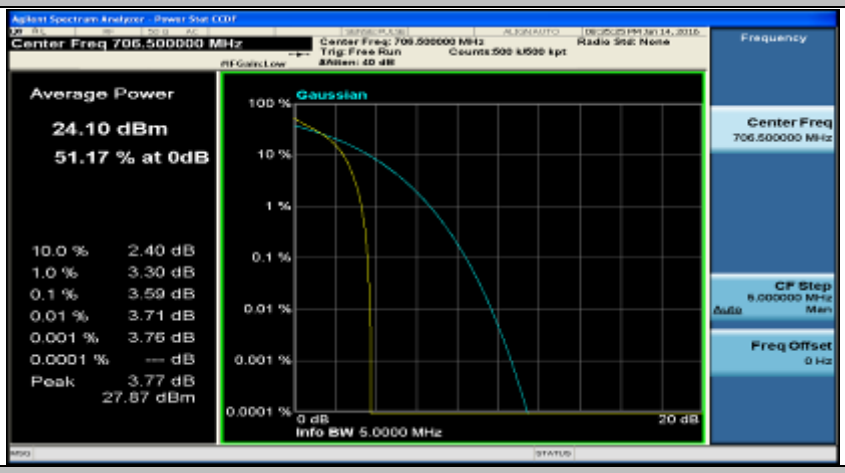
Test Graphs

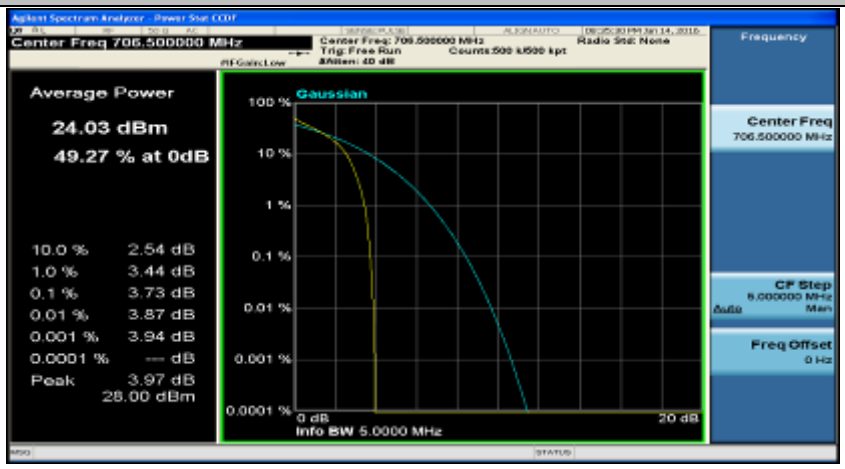
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0



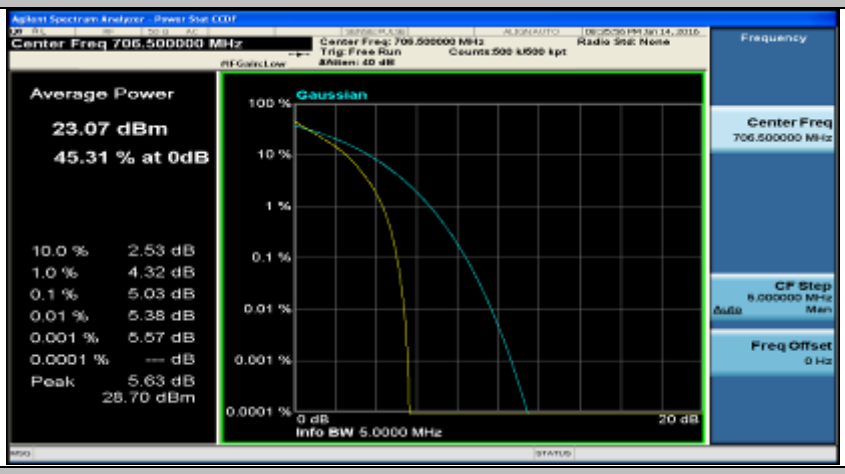
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12



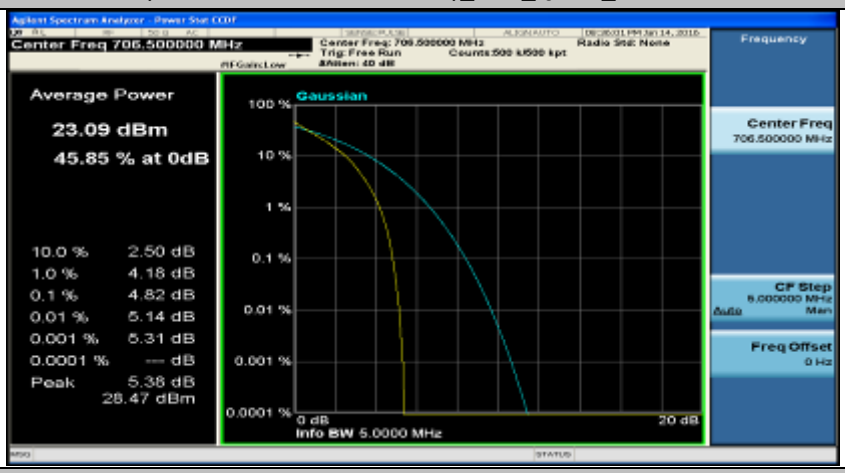
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#24



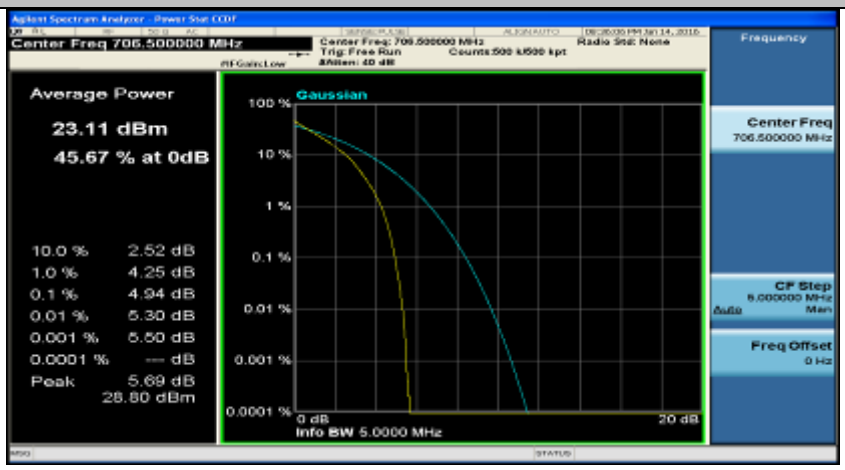
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#0



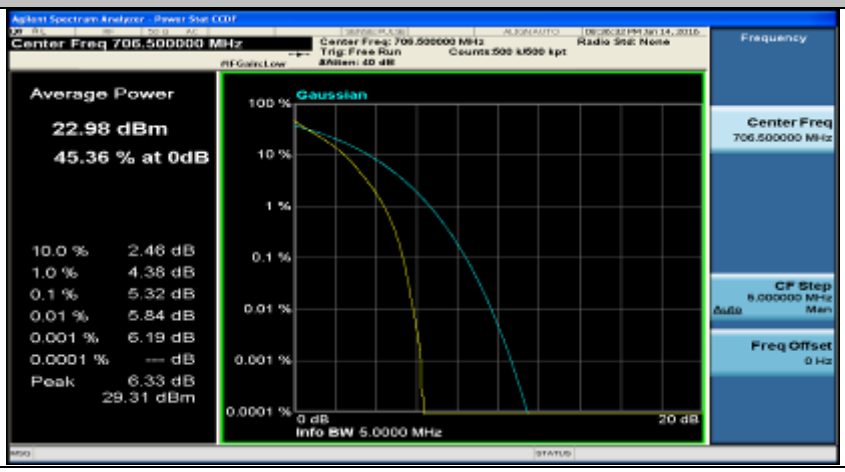
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#6



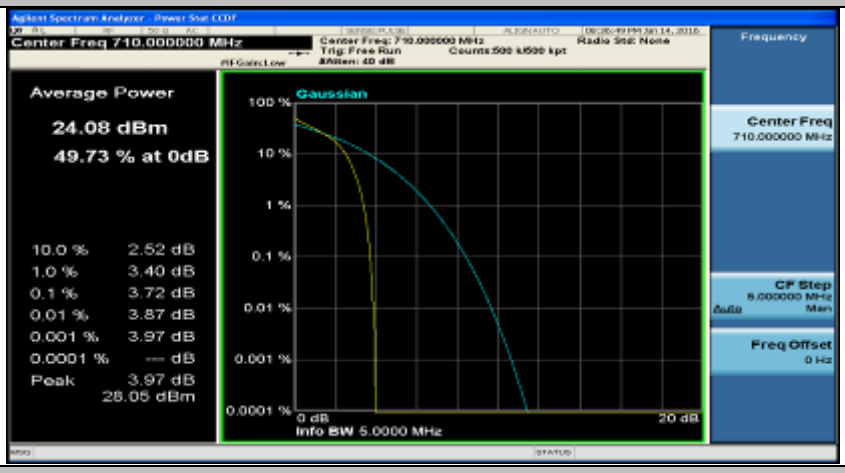
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#13



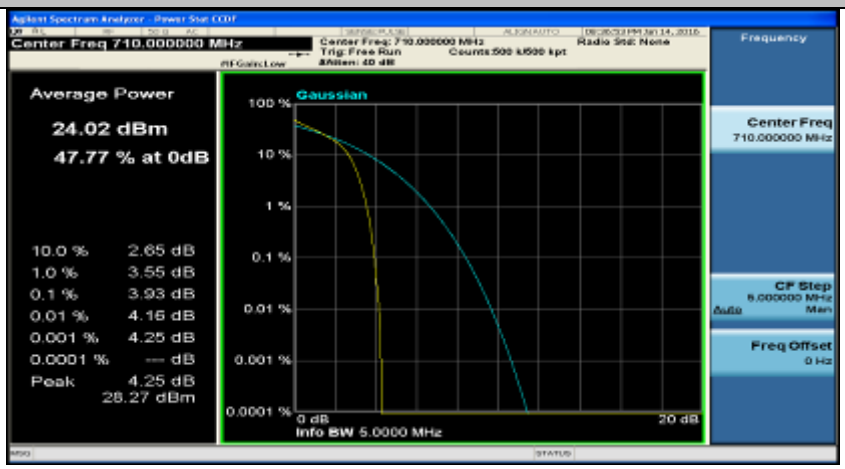
(Channel Bandwidth 5 MHz)_LCH_QPSK_25RB#0



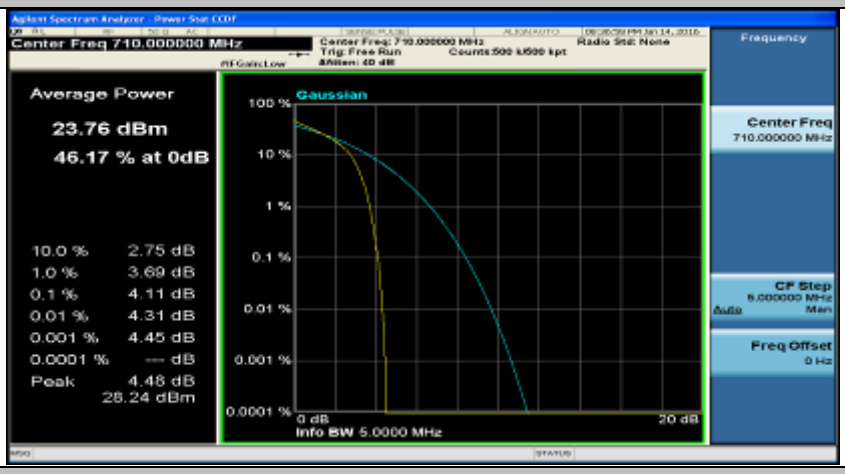
(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#0



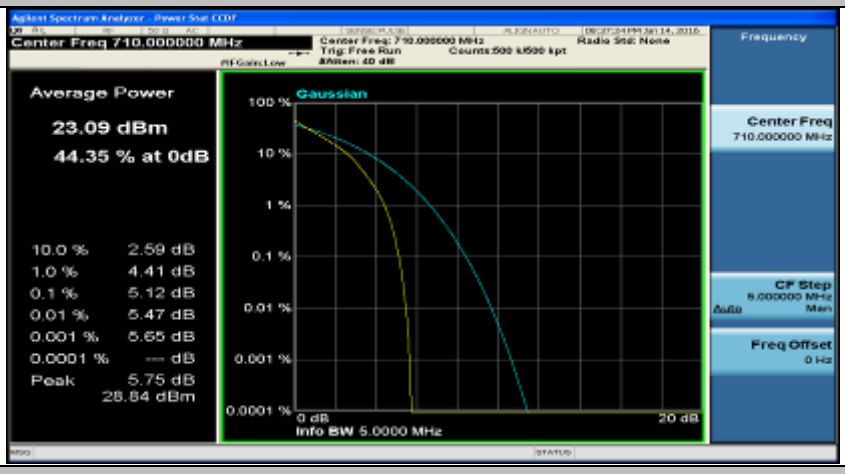
(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#12



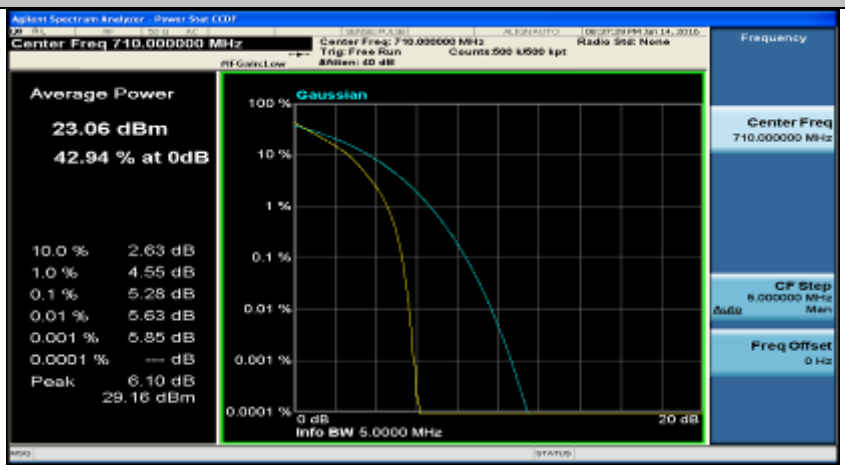
(Channel Bandwidth 5 MHz)_MCH_QPSK_1RB#24



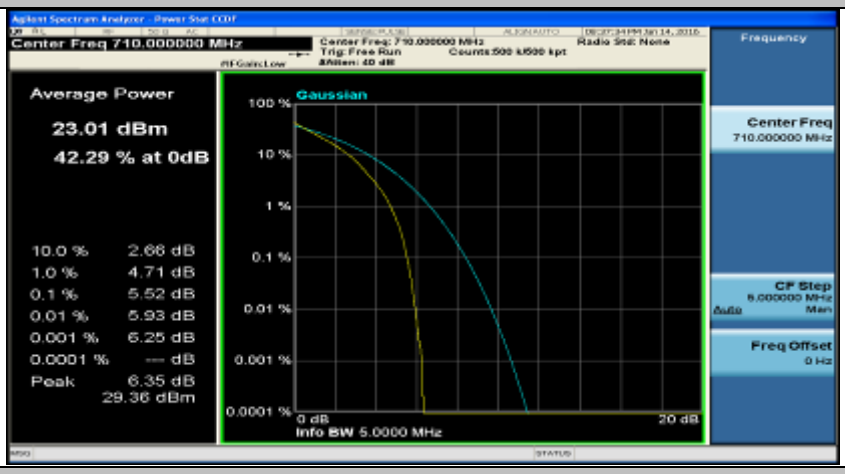
(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#0



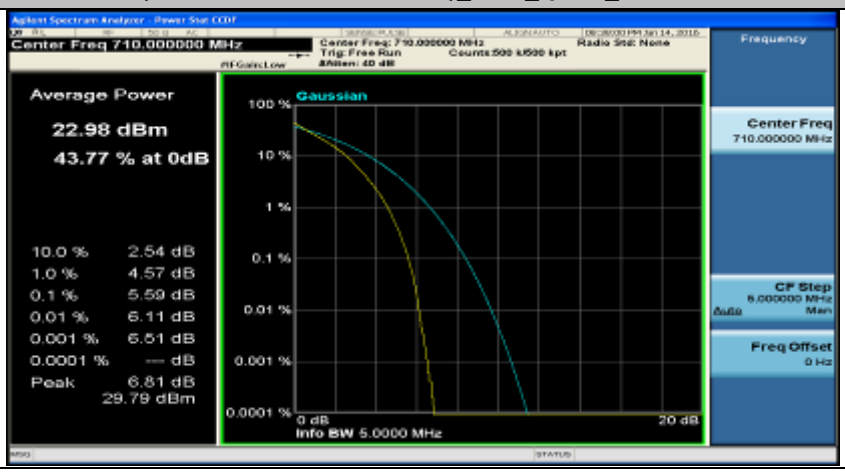
(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#6



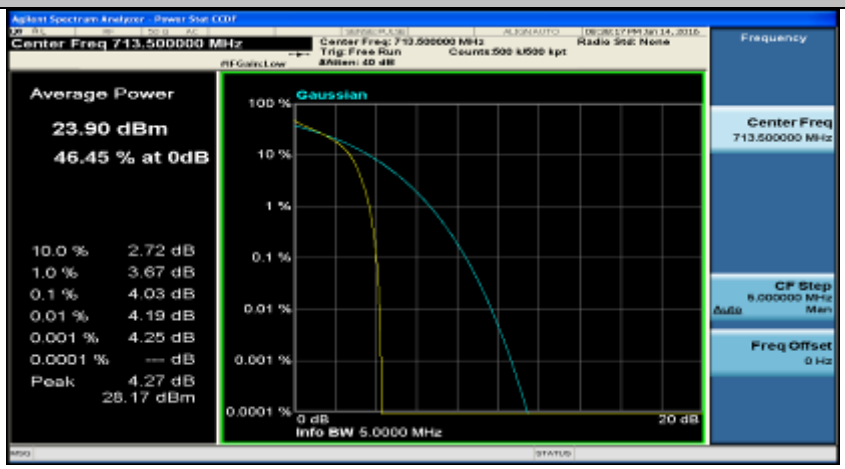
(Channel Bandwidth 5 MHz)_MCH_QPSK_12RB#13



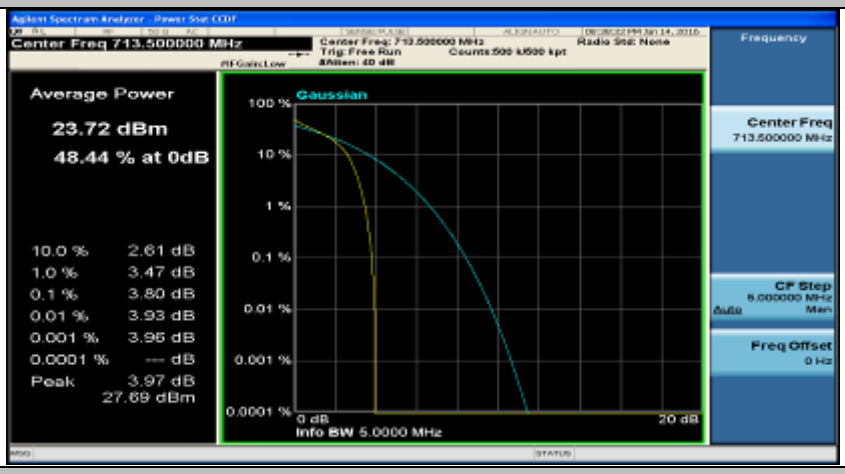
(Channel Bandwidth 5 MHz)_MCH_QPSK_25RB#0



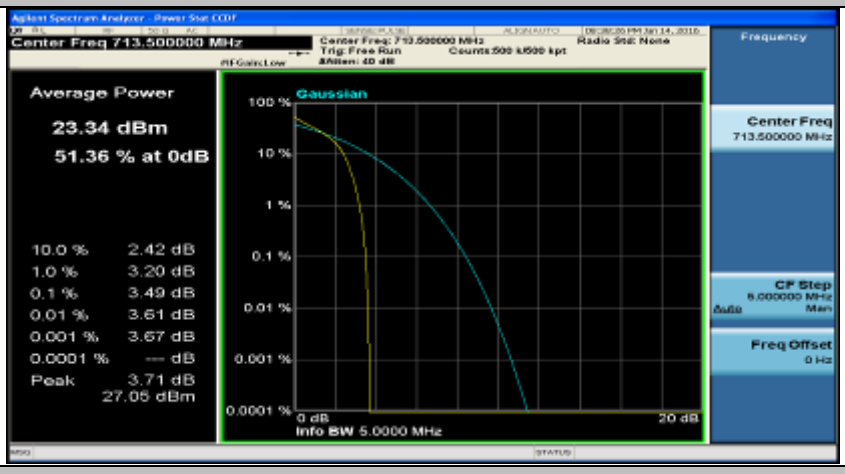
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#0



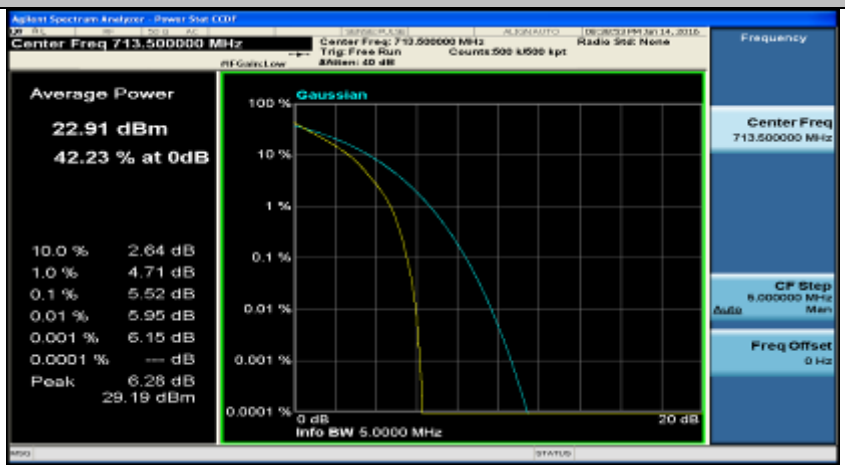
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#12



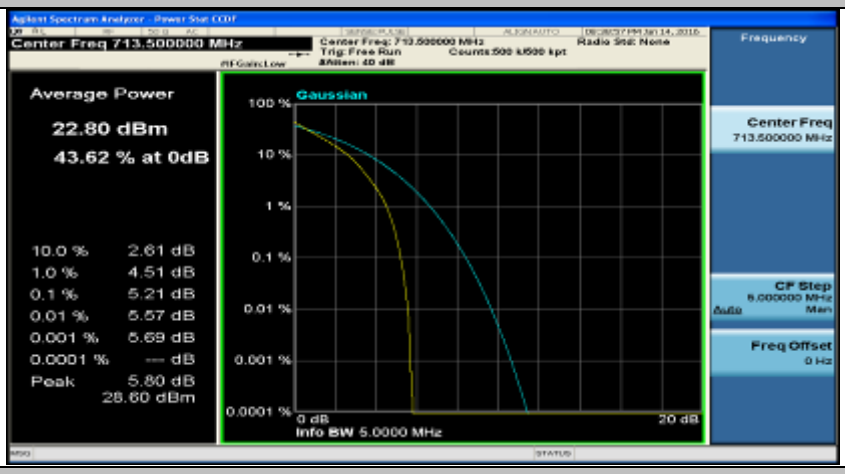
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24



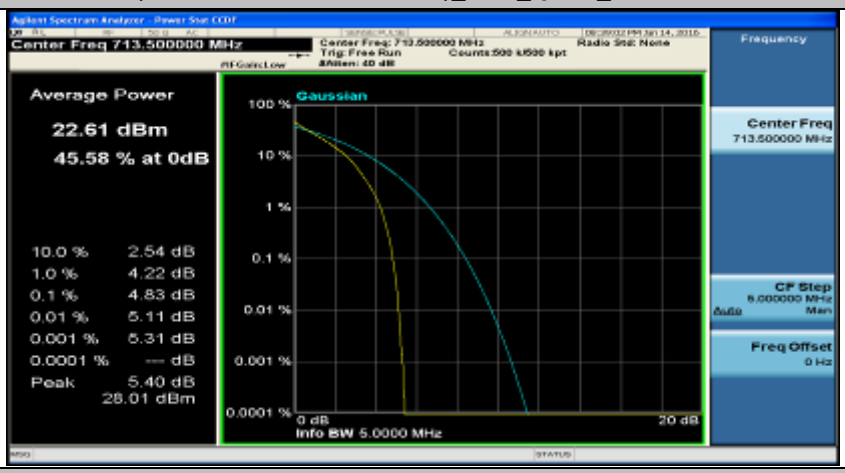
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0



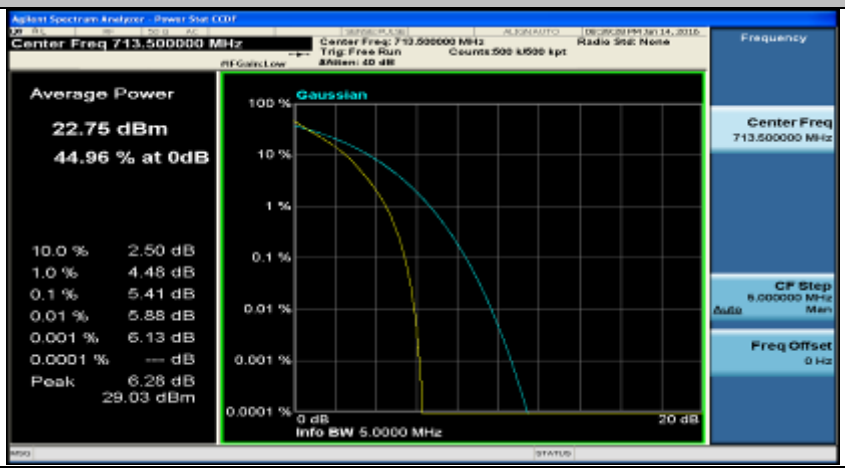
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6



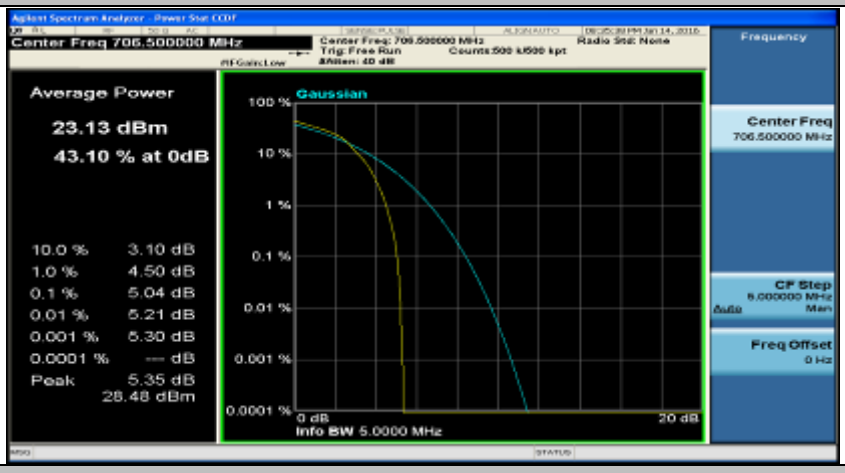
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#13



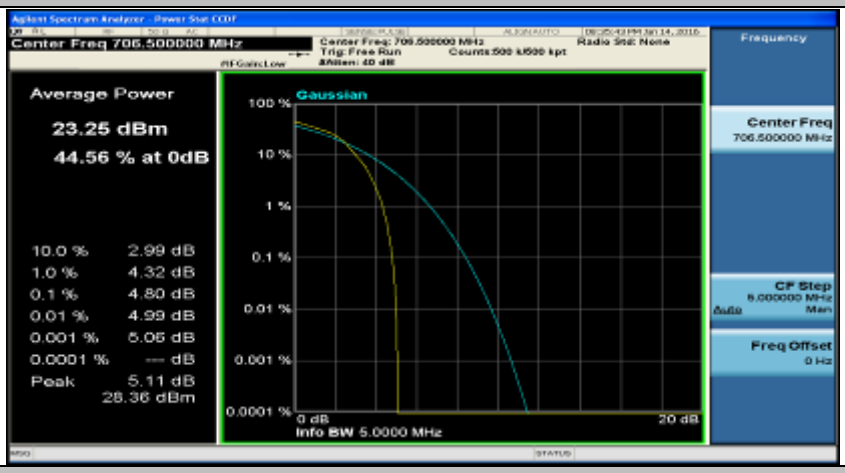
(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



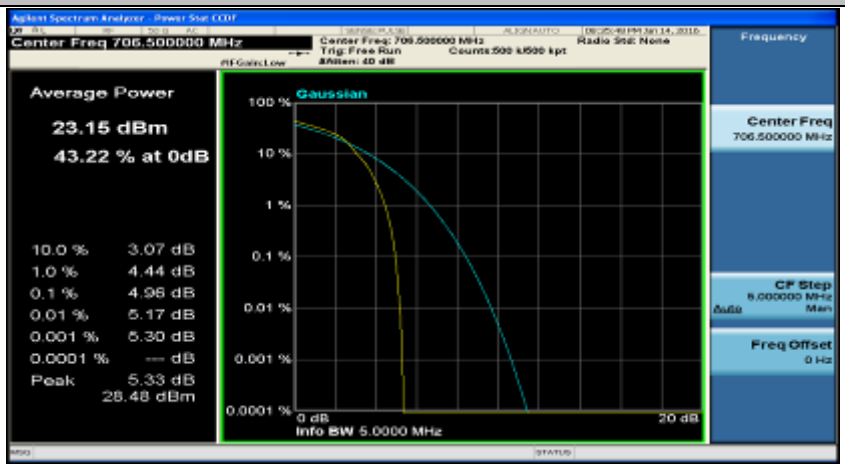
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#0



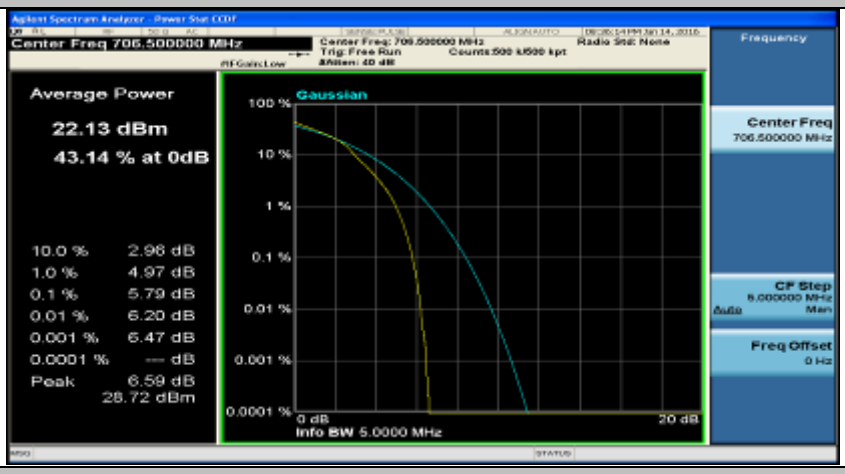
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#12



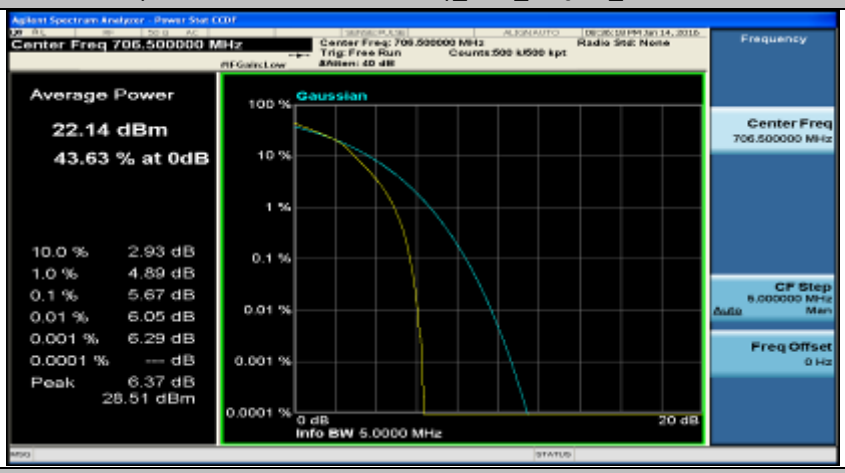
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#24



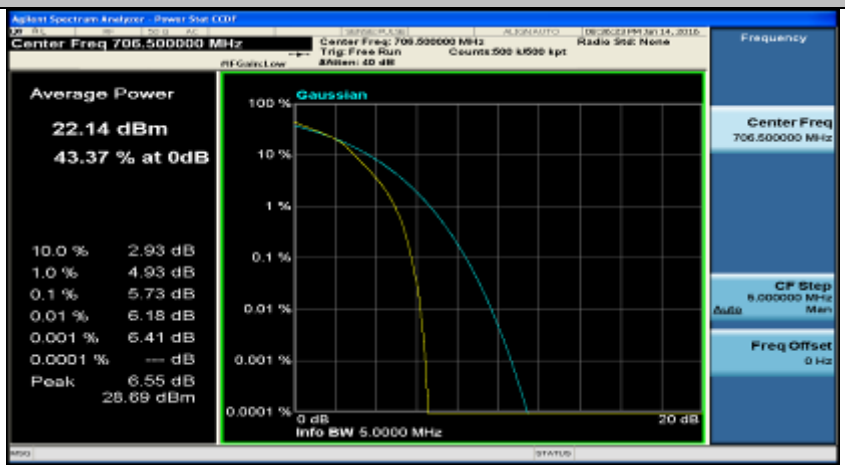
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#0



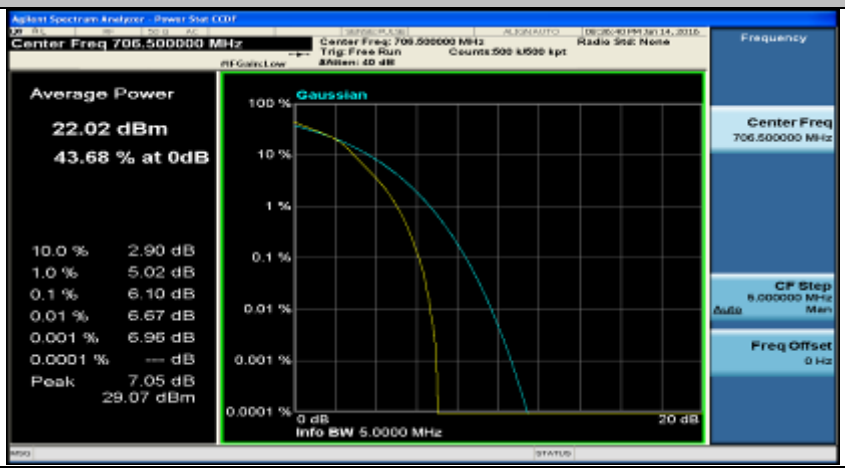
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6



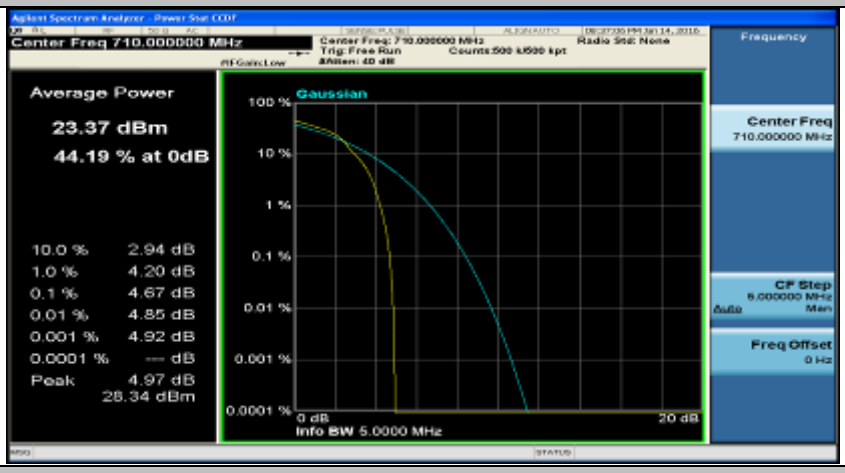
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13



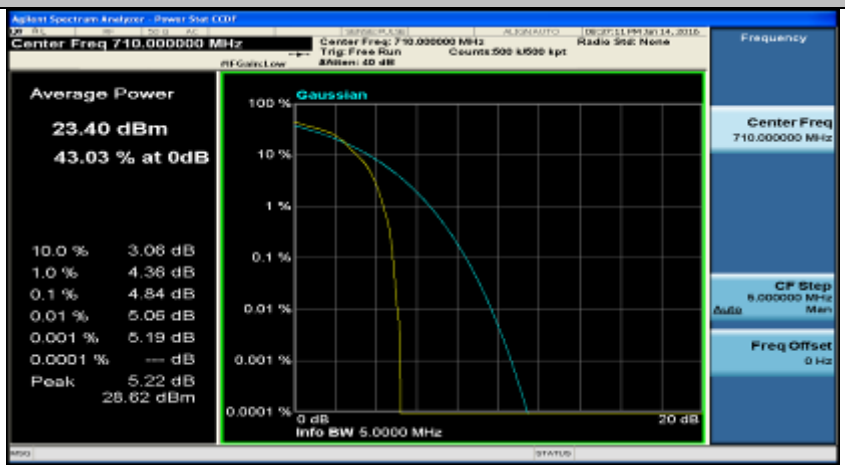
(Channel Bandwidth 5 MHz)_LCH_16QAM_25RB#0



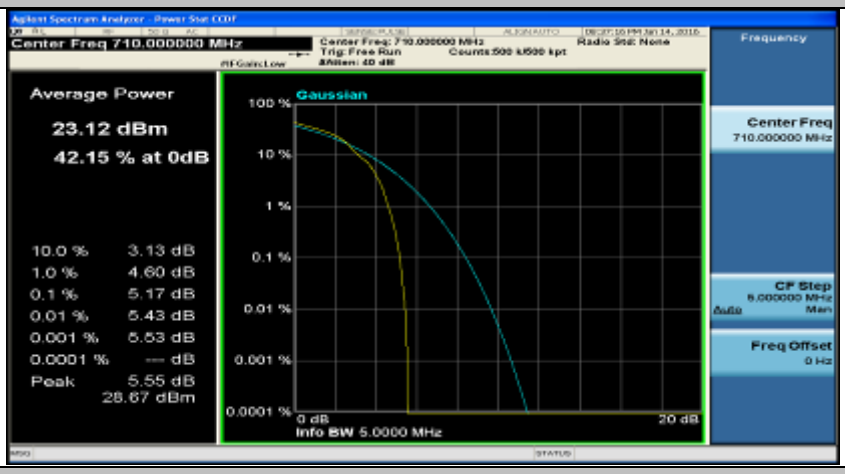
(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#0



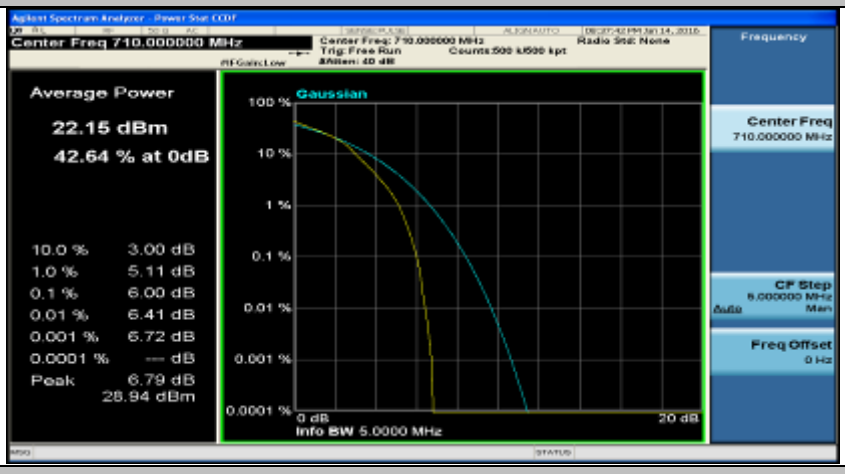
(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#12



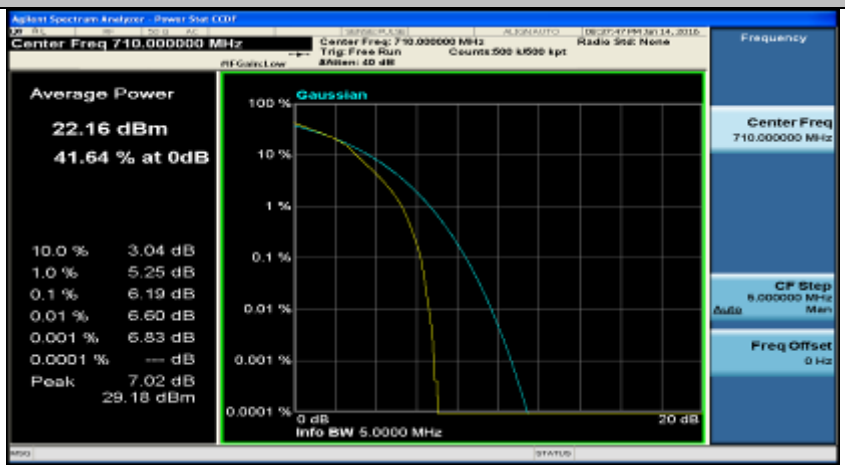
(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#24



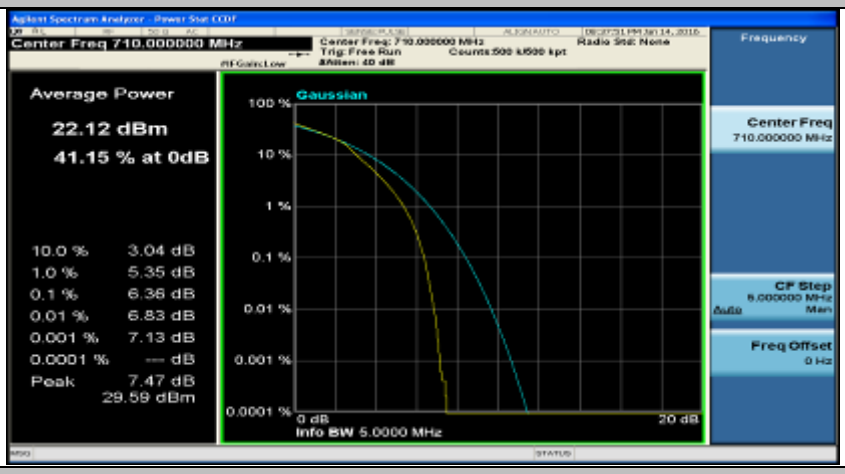
(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#0



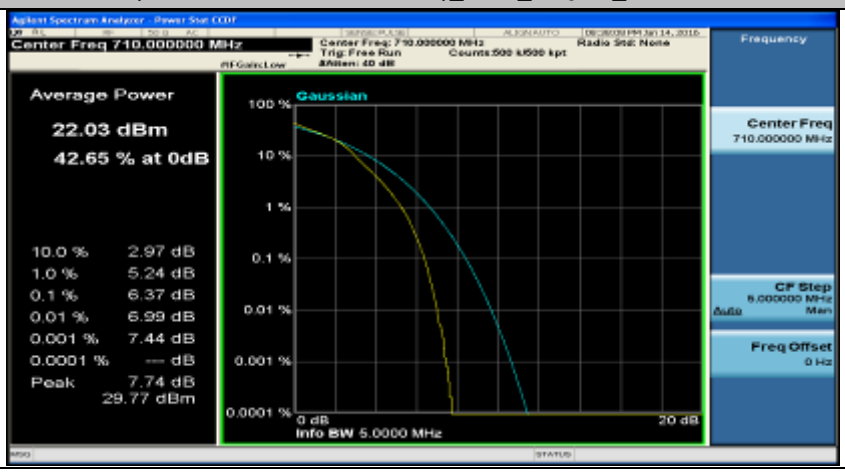
(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#6



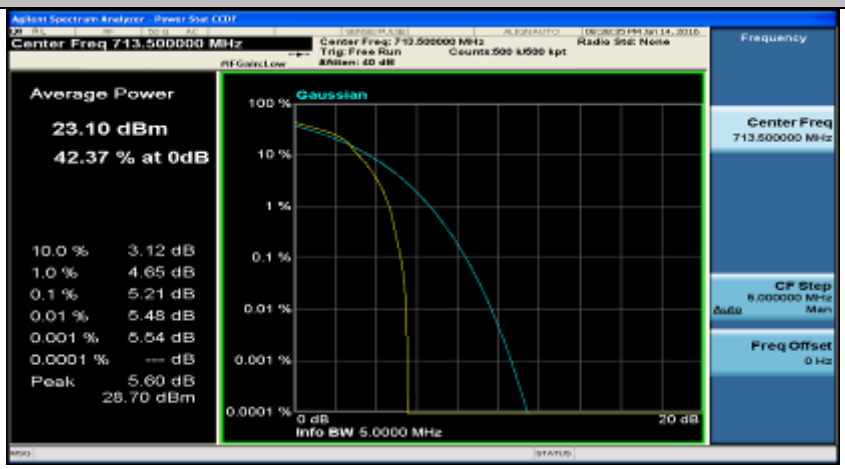
(Channel Bandwidth 5 MHz)_MCH_16QAM_12RB#13



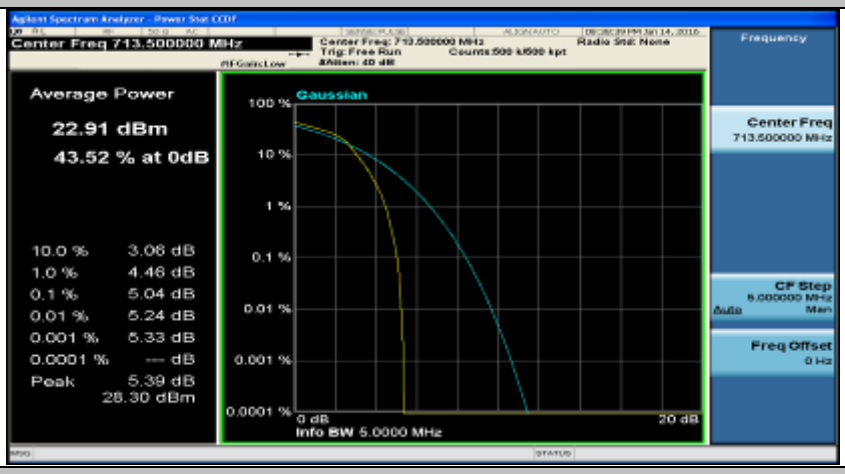
(Channel Bandwidth 5 MHz)_MCH_16QAM_25RB#0



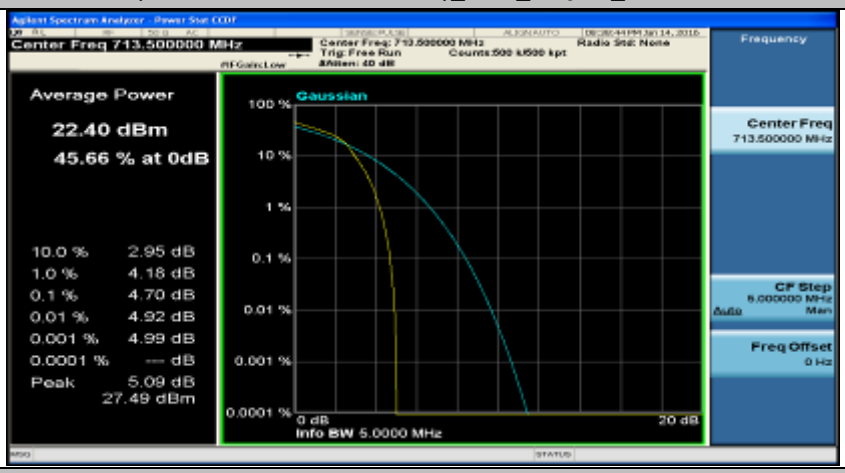
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#0



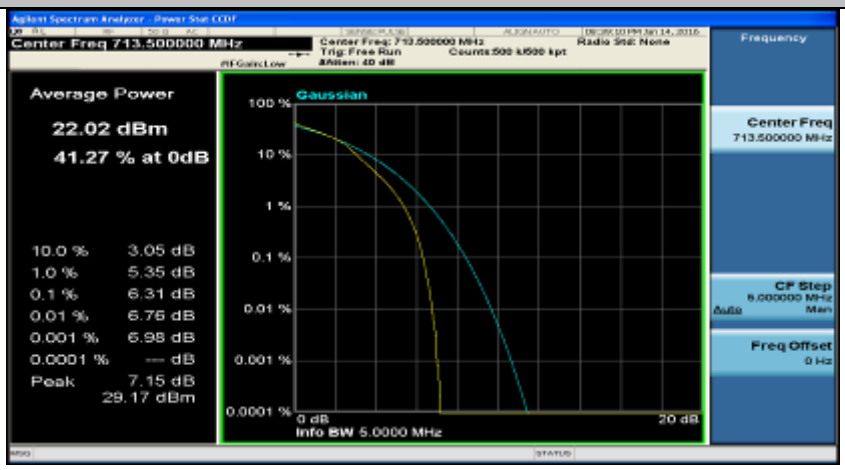
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#12



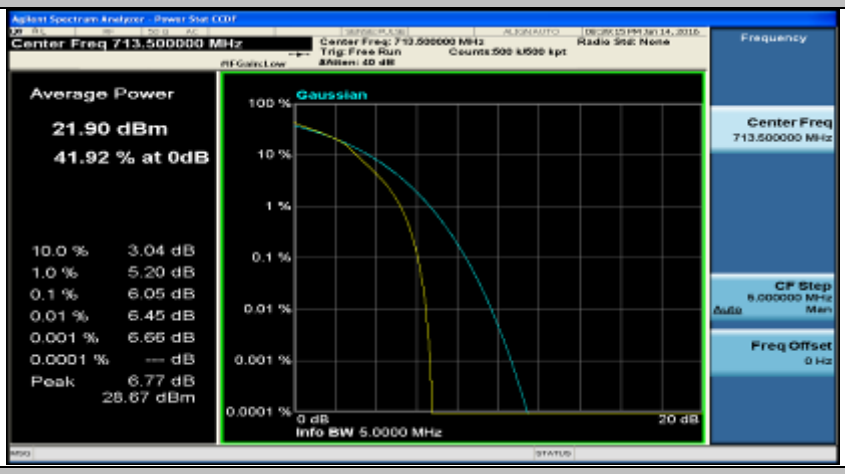
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#24



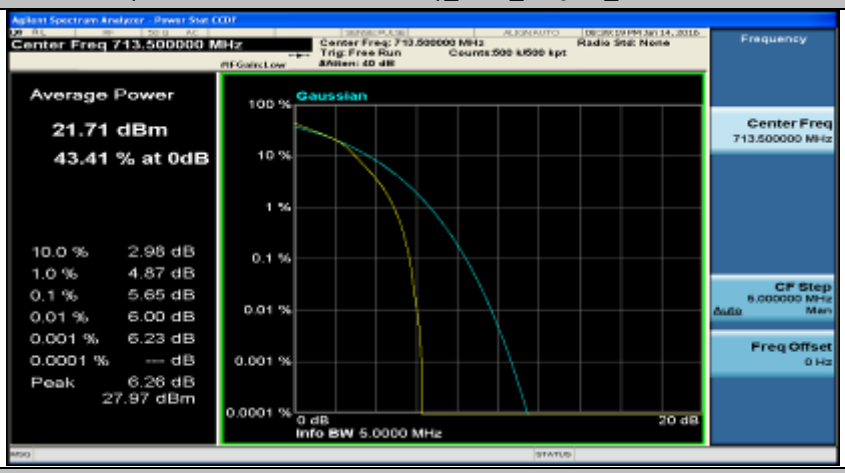
(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#0



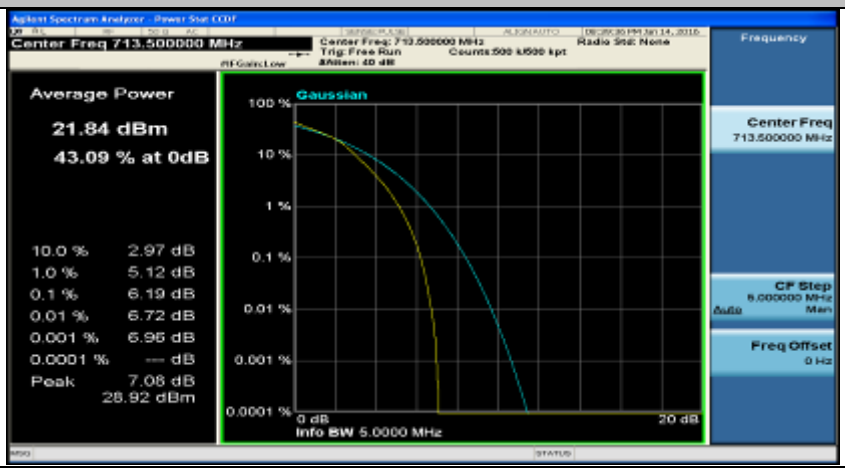
(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#6



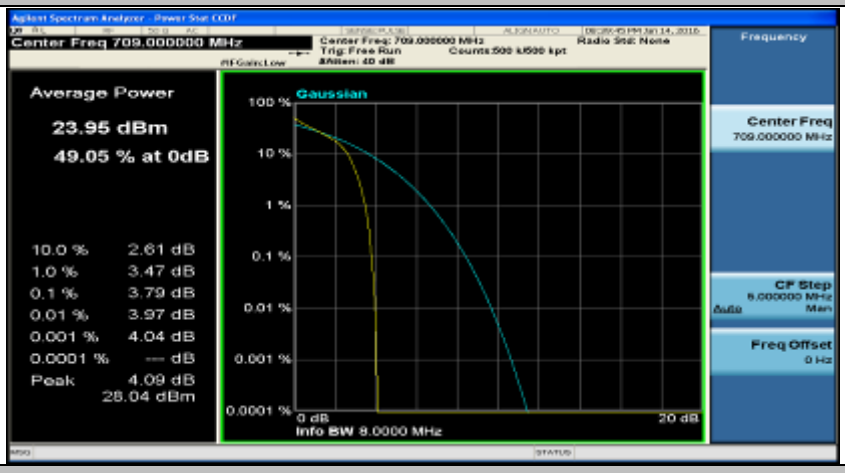
(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#13



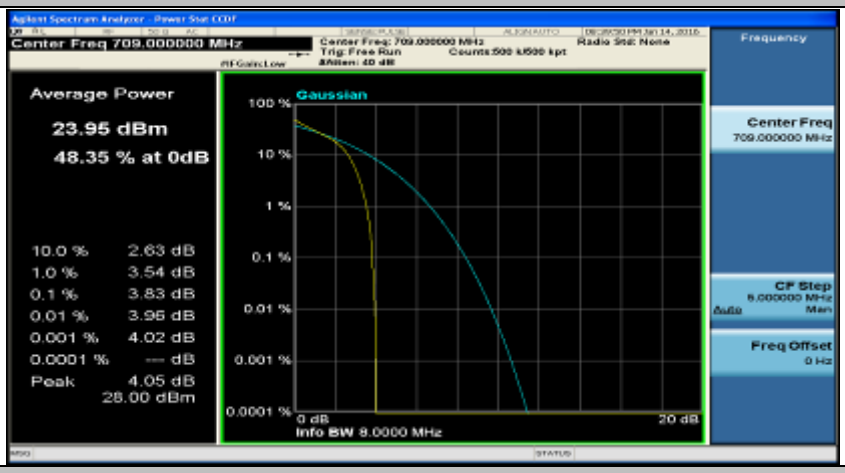
(Channel Bandwidth 5 MHz)_HCH_16QAM_25RB#0



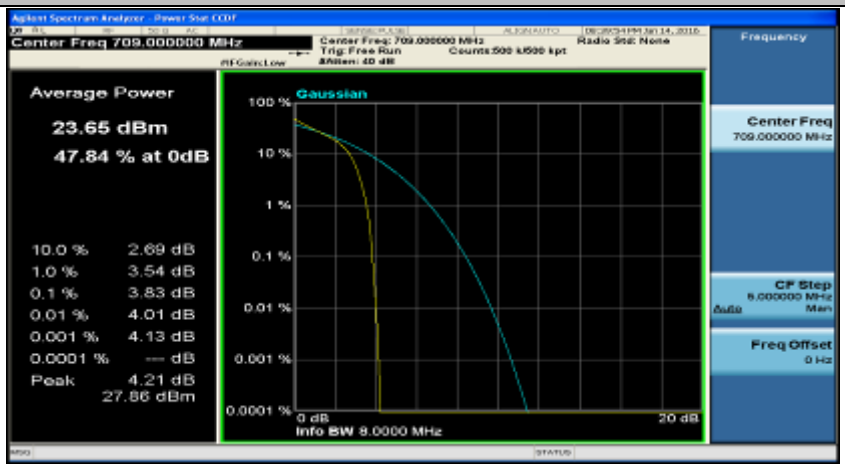
Channel Bandwidth 10 MHz_LCH_QPSK_1RB#0



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#24



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#49



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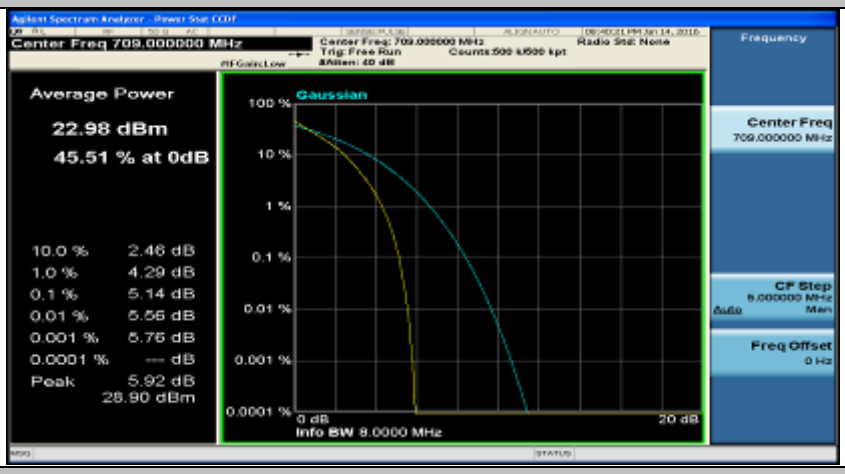
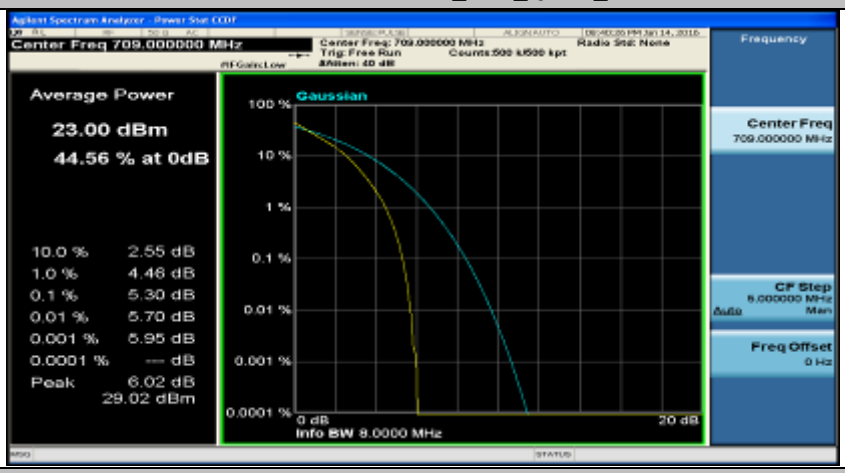
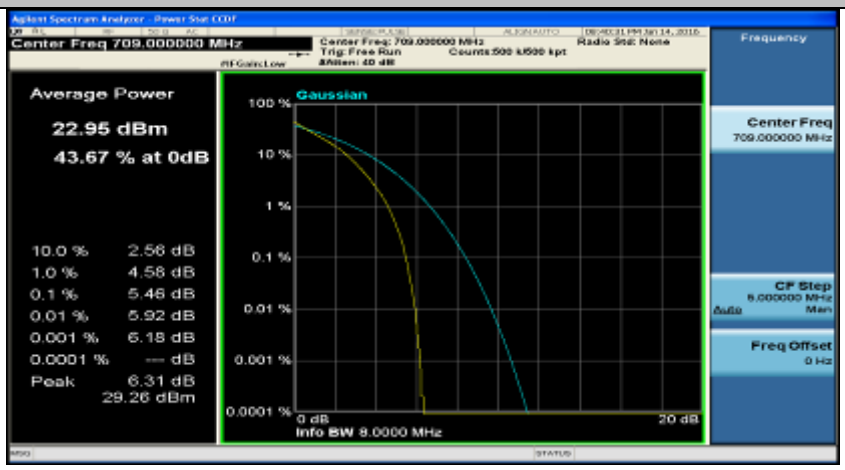


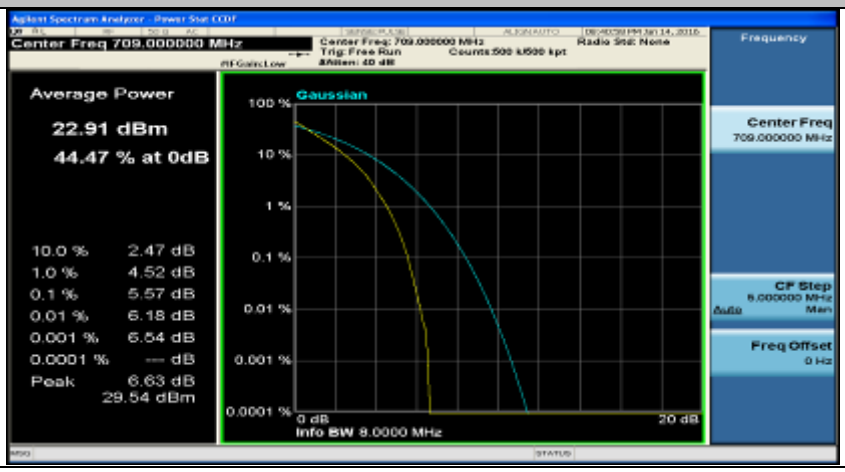
Channel Bandwidth 10 MHz_LCH_QPSK_25RB#12



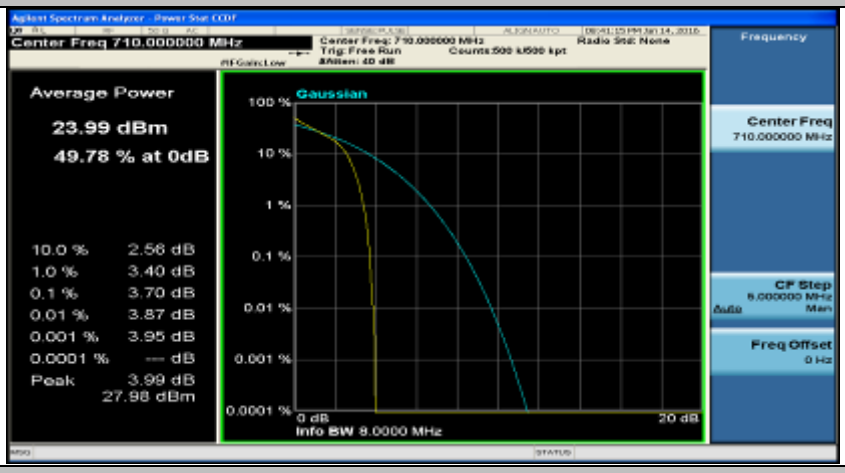
Channel Bandwidth 10 MHz_LCH_QPSK_25RB#25



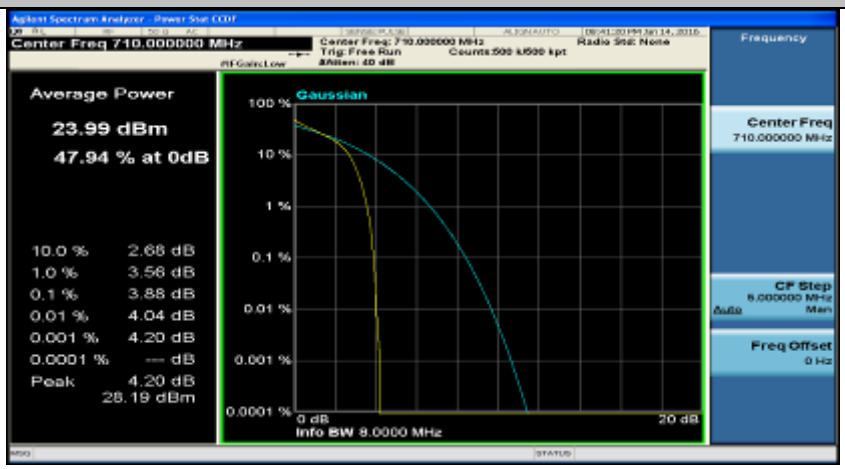
Channel Bandwidth 10 MHz_LCH_QPSK_50RB#0



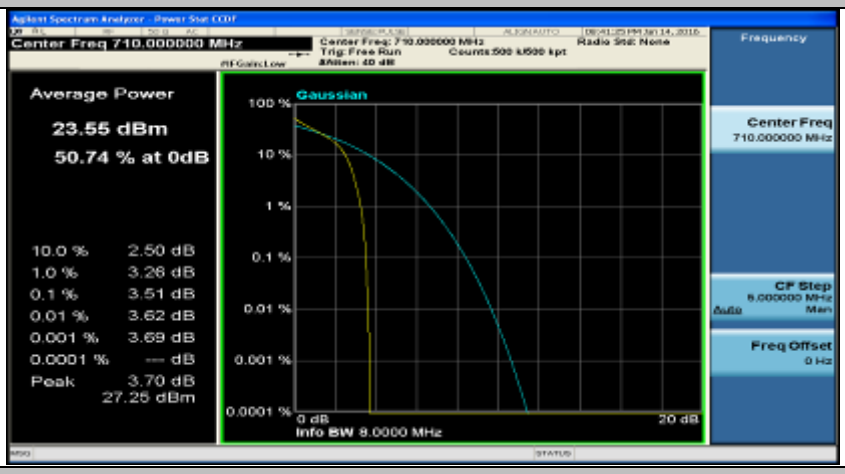
Channel Bandwidth 10 MHz_MCH_QPSK_1RB#0



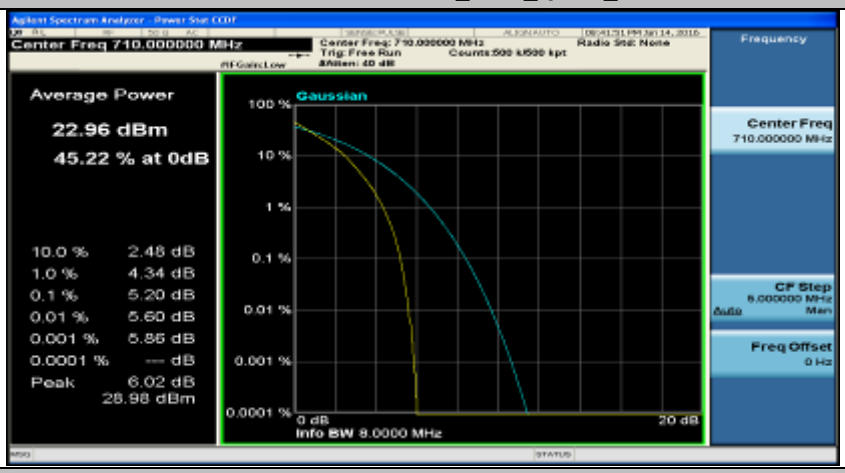
Channel Bandwidth 10 MHz_MCH_QPSK_1RB#24



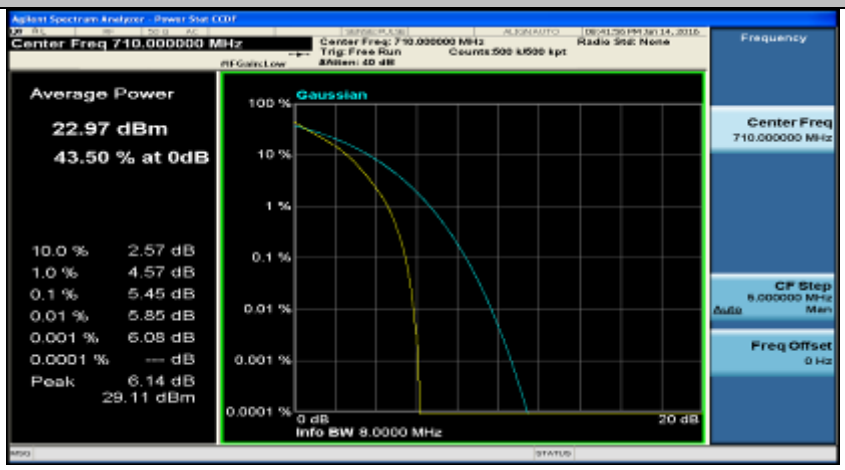
Channel Bandwidth 10 MHz_MCH_QPSK_1RB#49



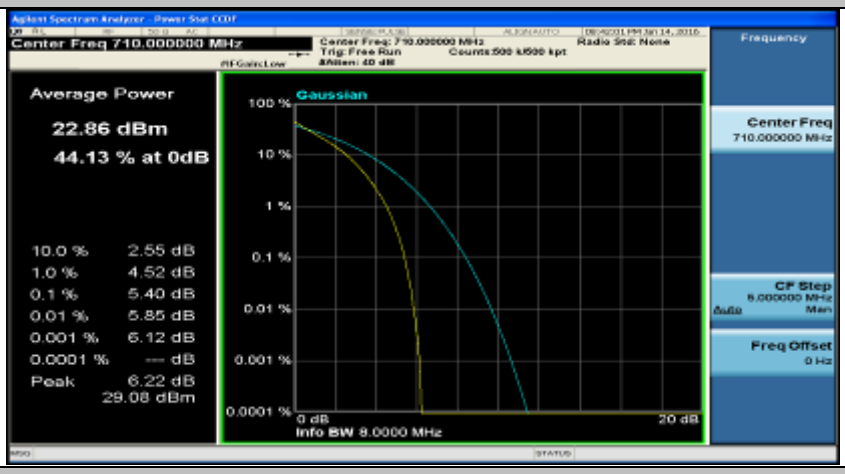
Channel Bandwidth 10 MHz_MCH_QPSK_25RB#0



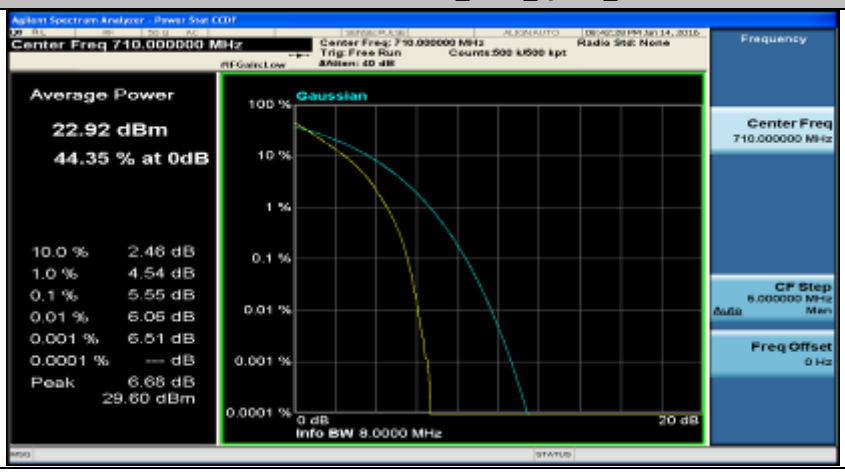
Channel Bandwidth 10 MHz_MCH_QPSK_25RB#12



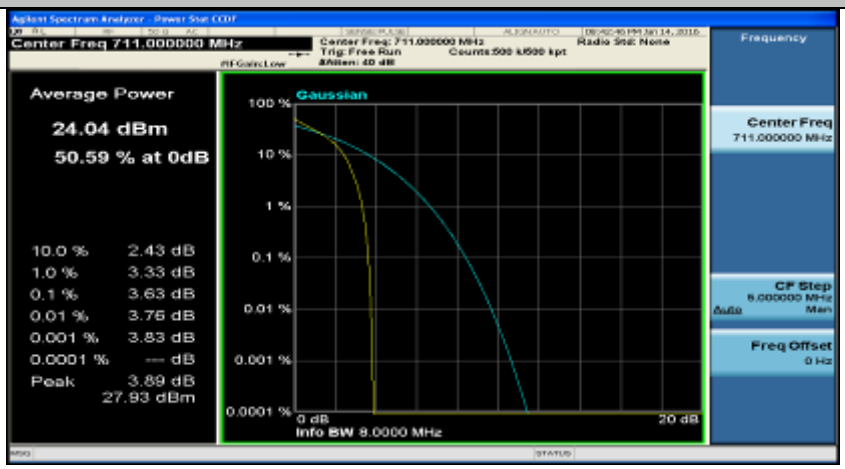
Channel Bandwidth 10 MHz_MCH_QPSK_25RB#25



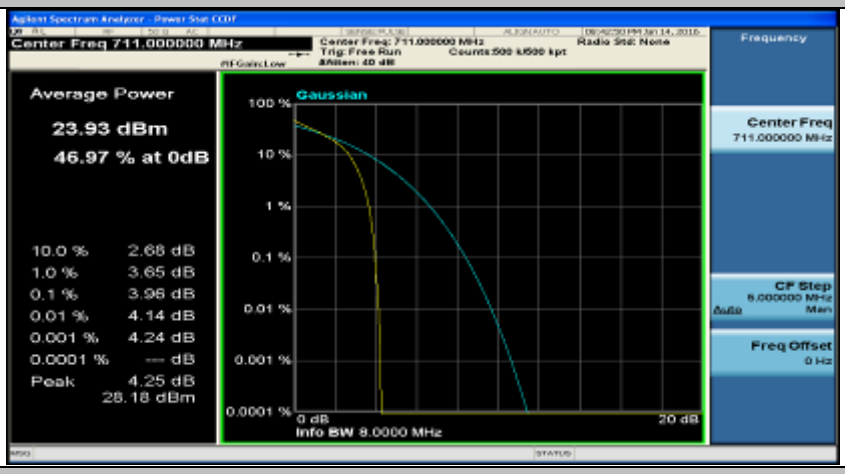
Channel Bandwidth 10 MHz_MCH_QPSK_50RB#0



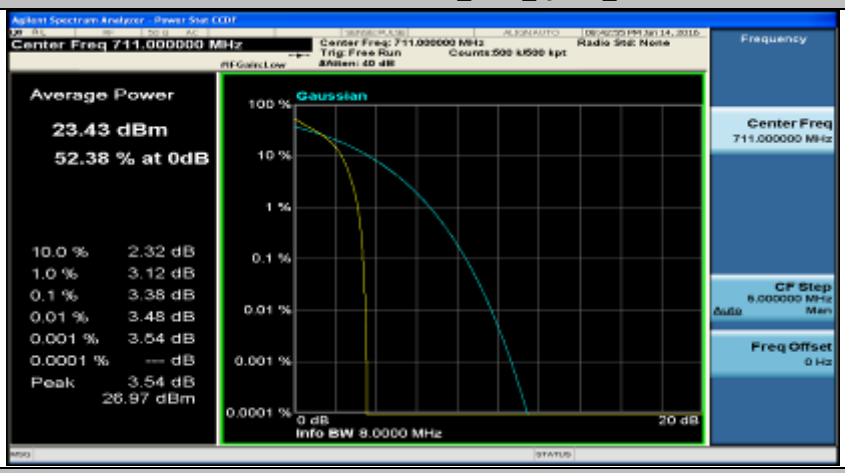
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#0



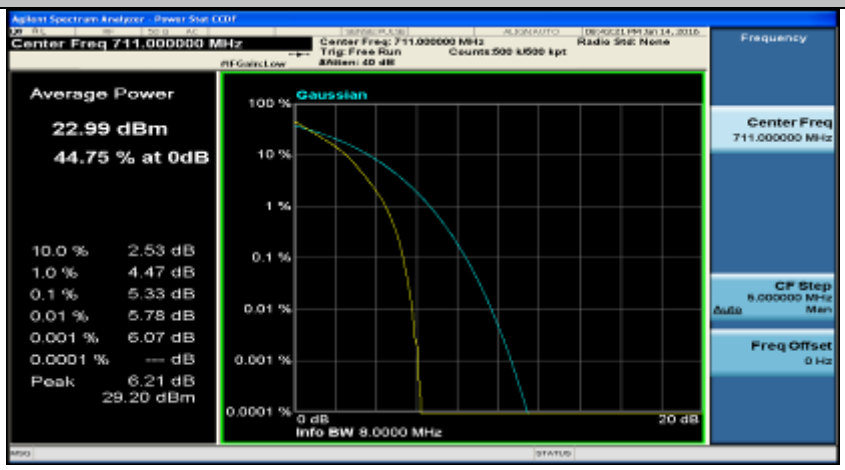
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#24



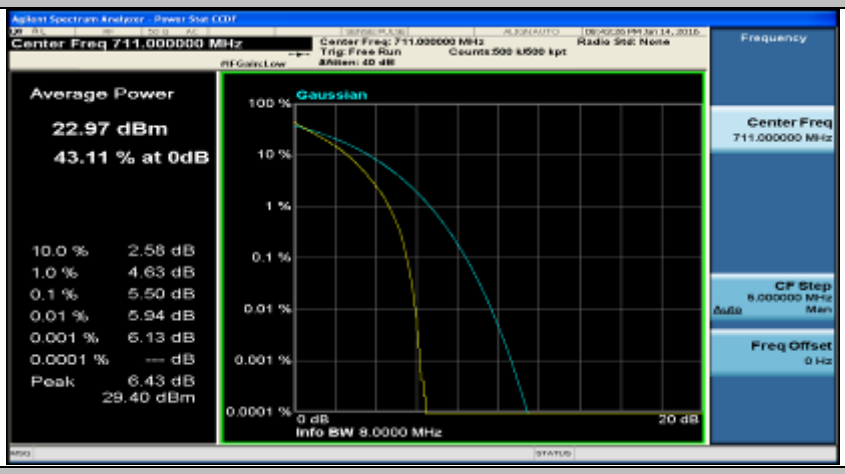
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#49



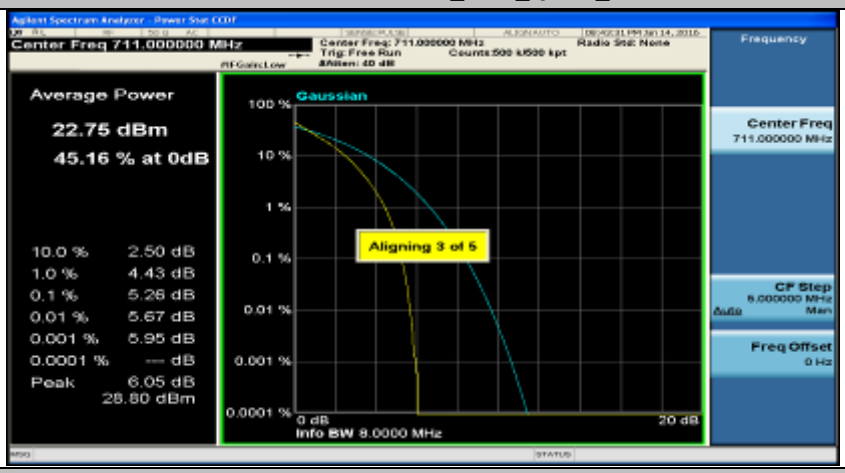
Channel Bandwidth 10 MHz_HCH_QPSK_25RB#0



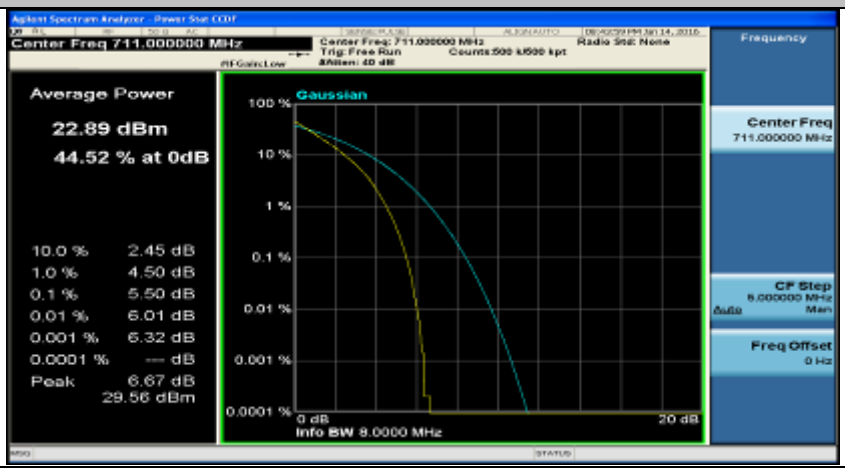
Channel Bandwidth 10 MHz_HCH_QPSK_25RB#12



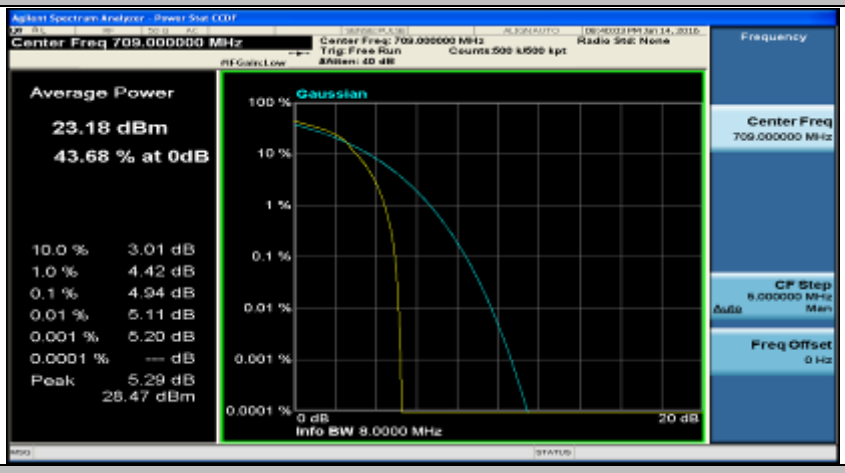
Channel Bandwidth 10 MHz_HCH_QPSK_25RB#25



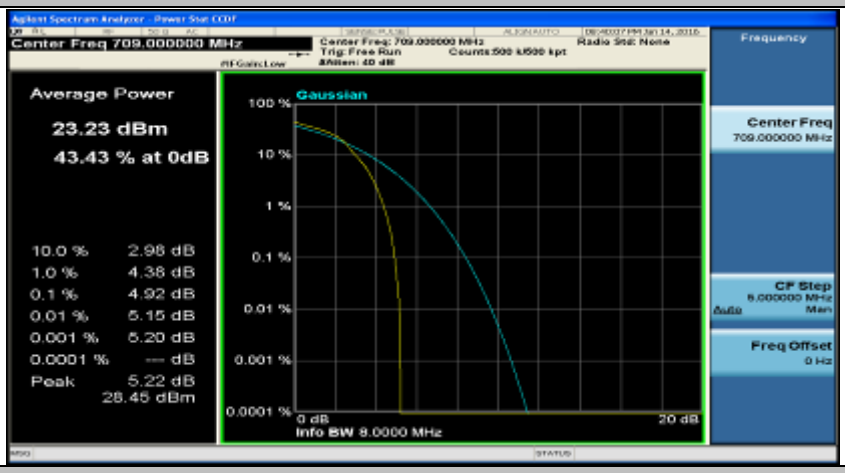
Channel Bandwidth 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth 10 MHz_LCH_16QAM_1RB#24



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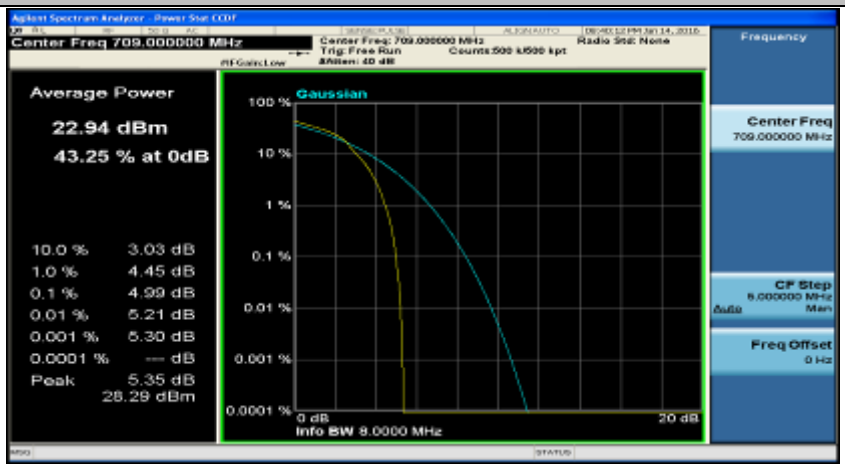
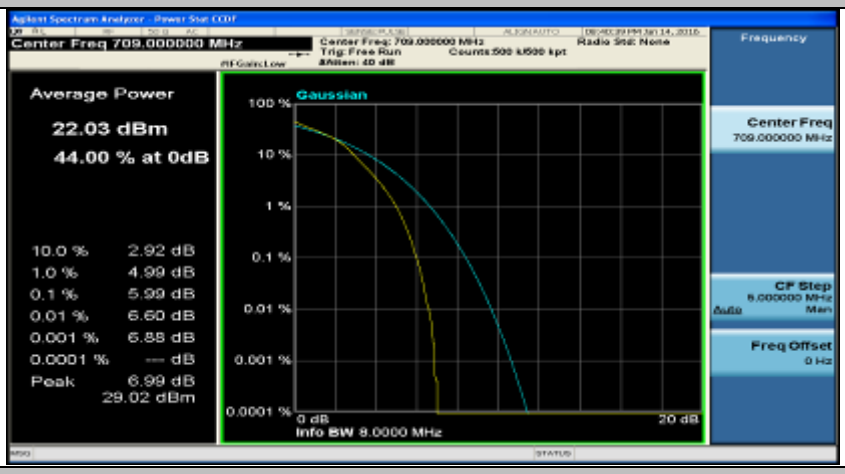


Channel Bandwidth 10 MHz_LCH_16QAM_25RB#0



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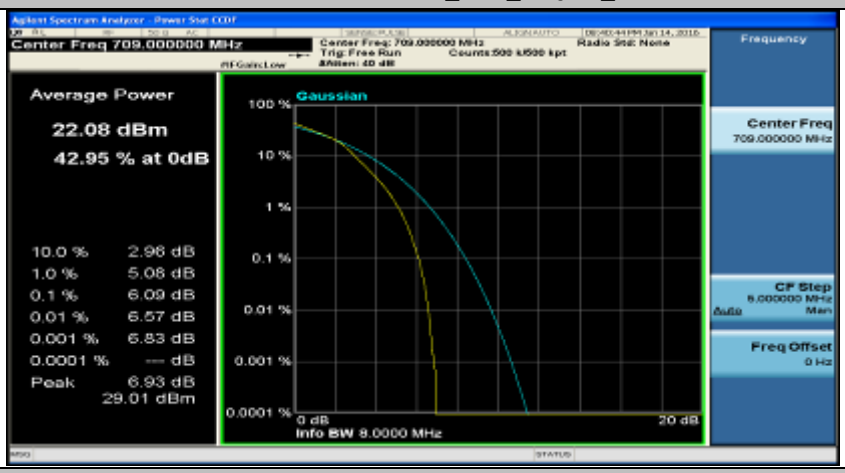

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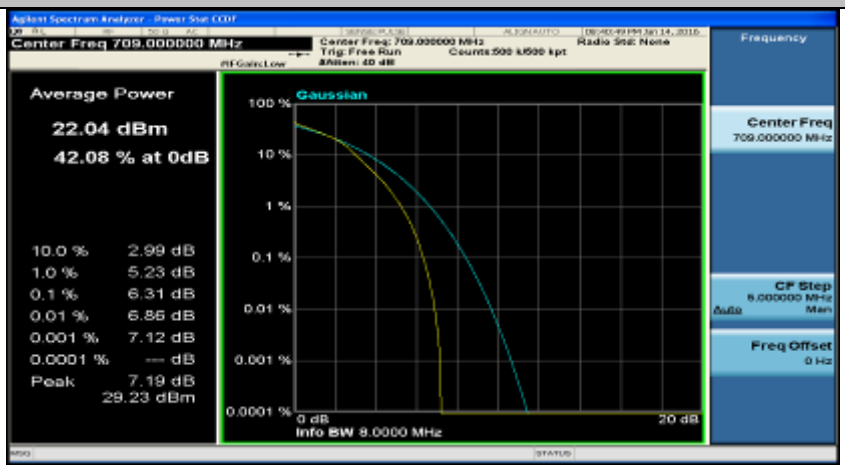
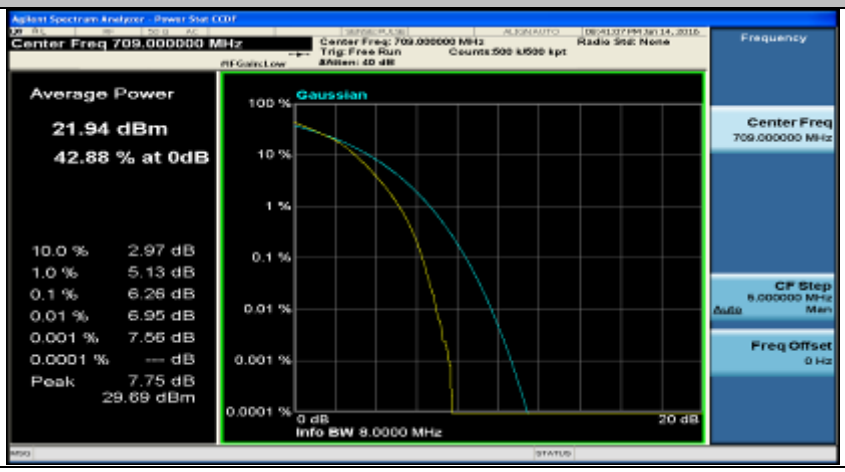
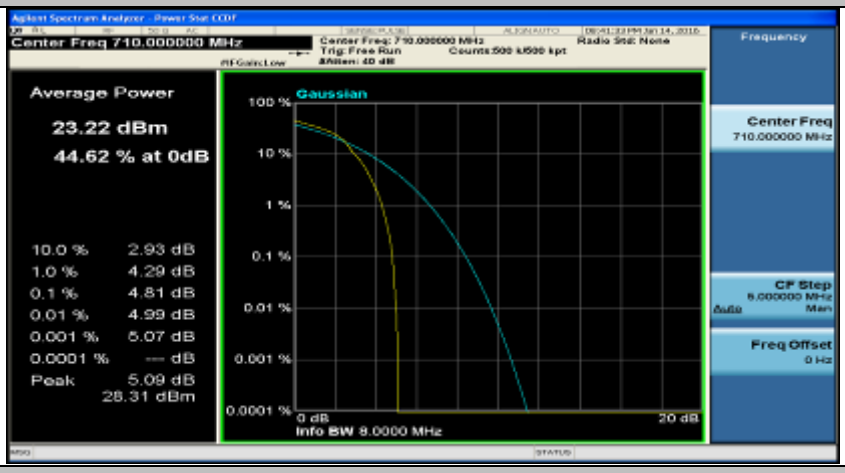


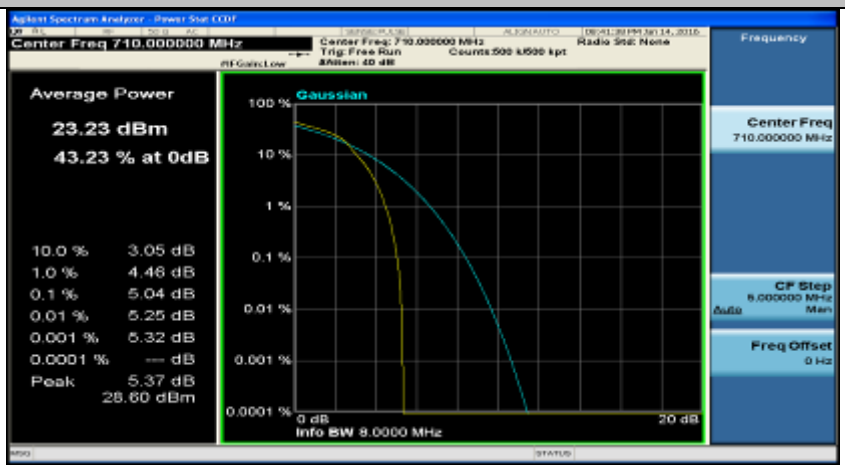
Channel Bandwidth 10 MHz_LCH_16QAM_50RB#0



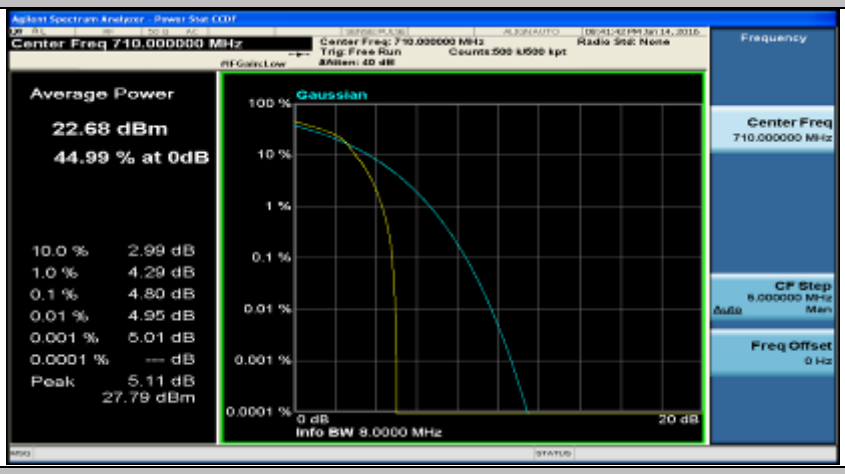
Channel Bandwidth 10 MHz_MCH_16QAM_1RB#0



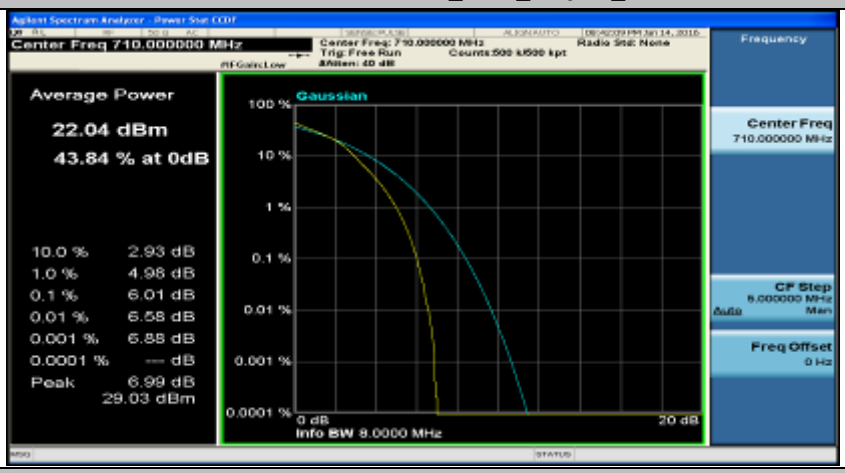
Channel Bandwidth 10 MHz_MCH_16QAM_1RB#24



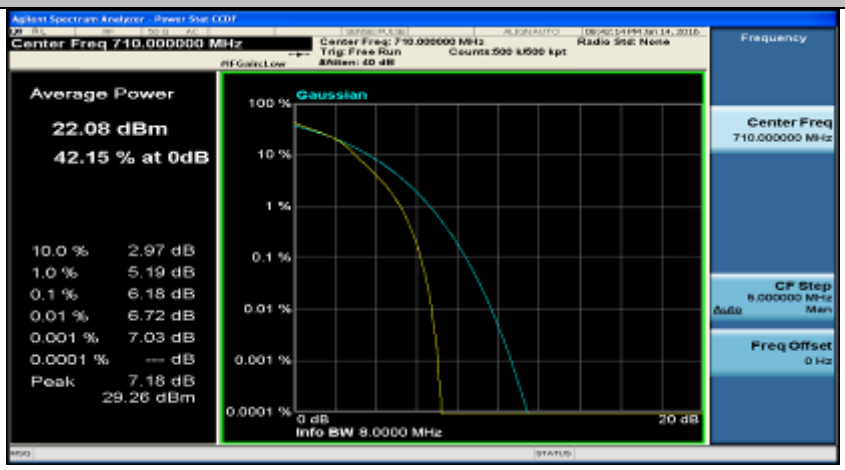
Channel Bandwidth 10 MHz_MCH_16QAM_1RB#49



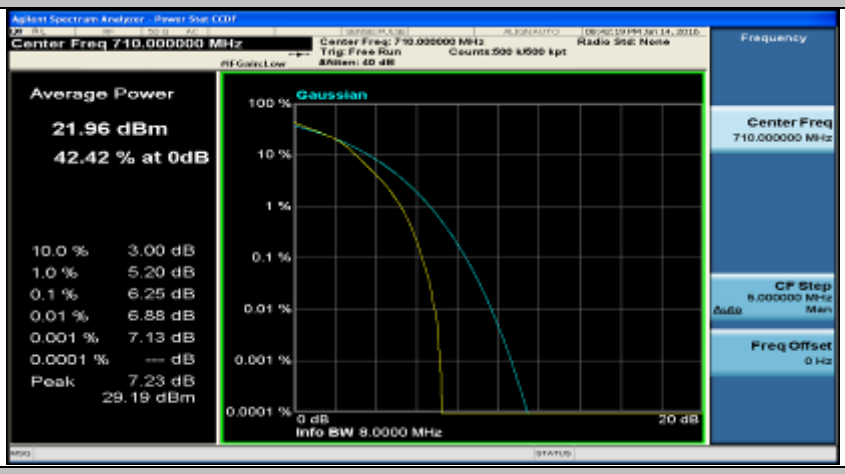
Channel Bandwidth 10 MHz_MCH_16QAM_25RB#0



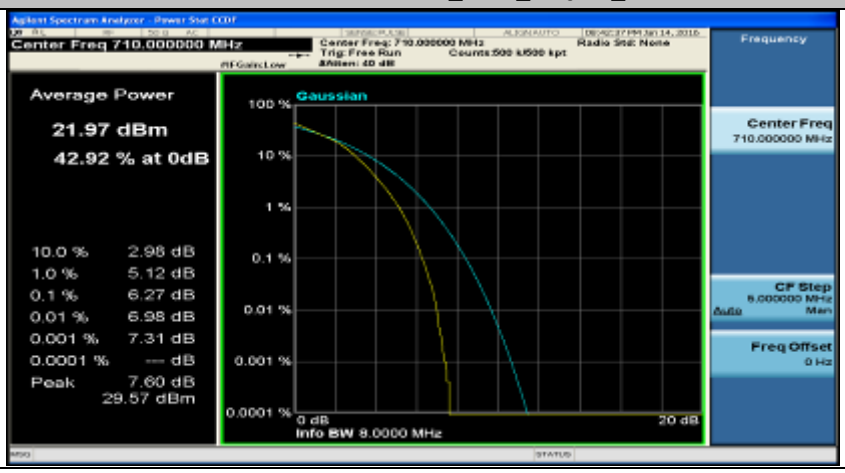
Channel Bandwidth 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth 10 MHz_MCH_16QAM_25RB#25



Channel Bandwidth 10 MHz_MCH_16QAM_50RB#0



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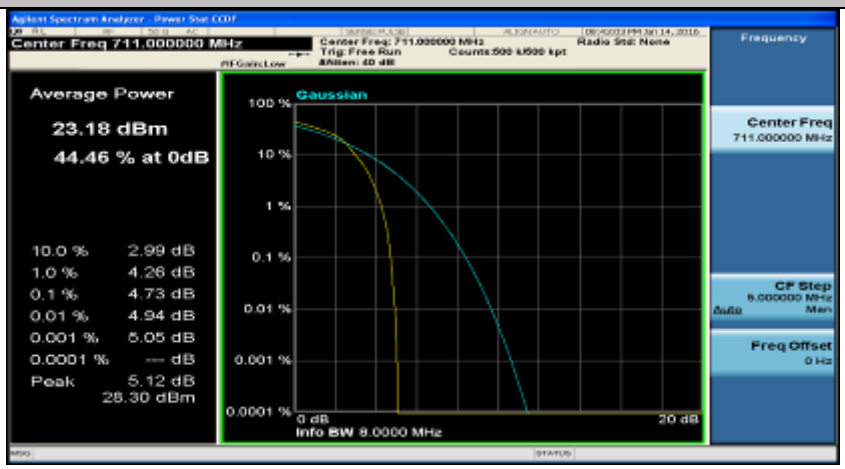

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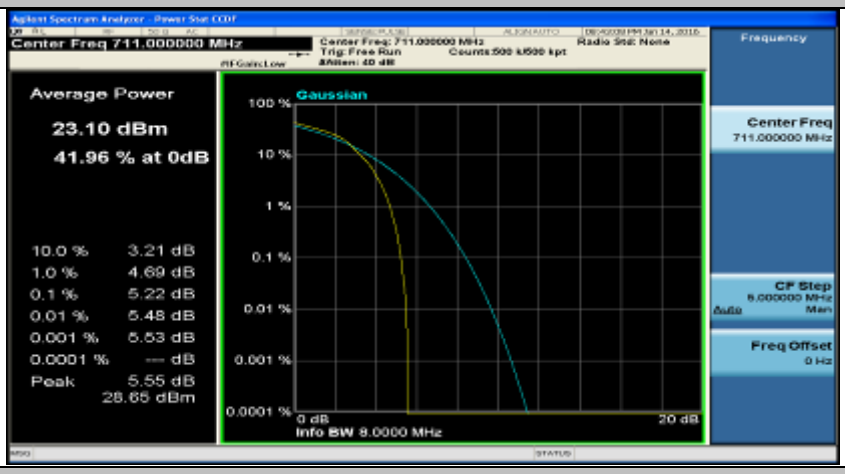
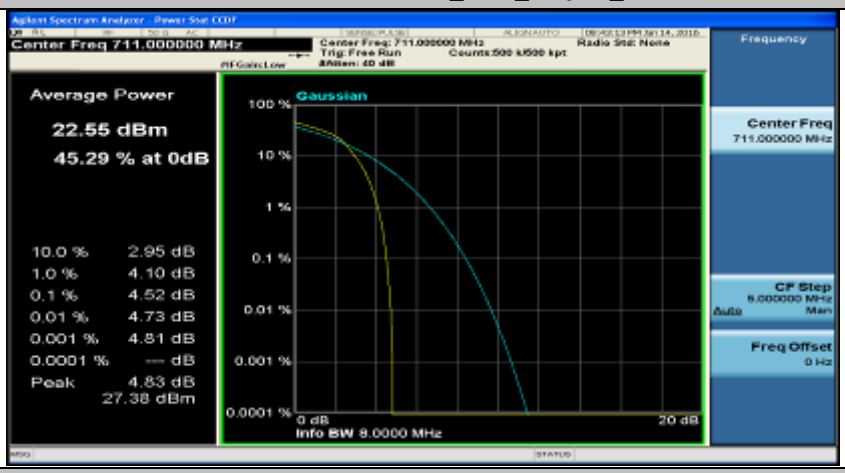
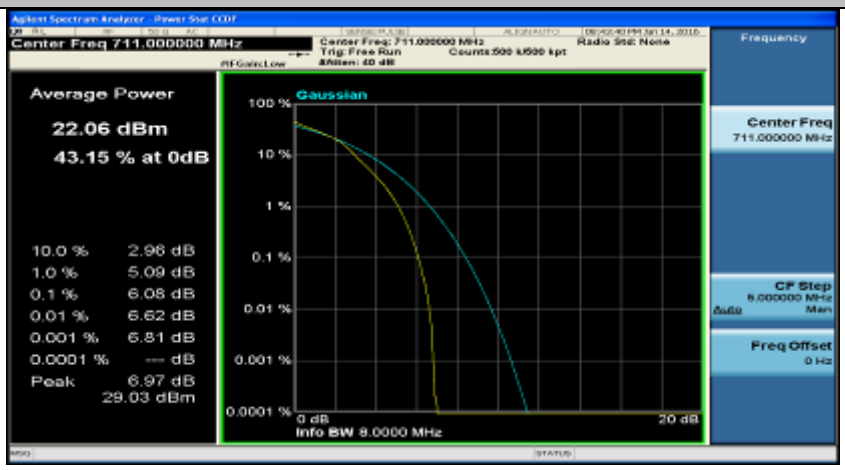


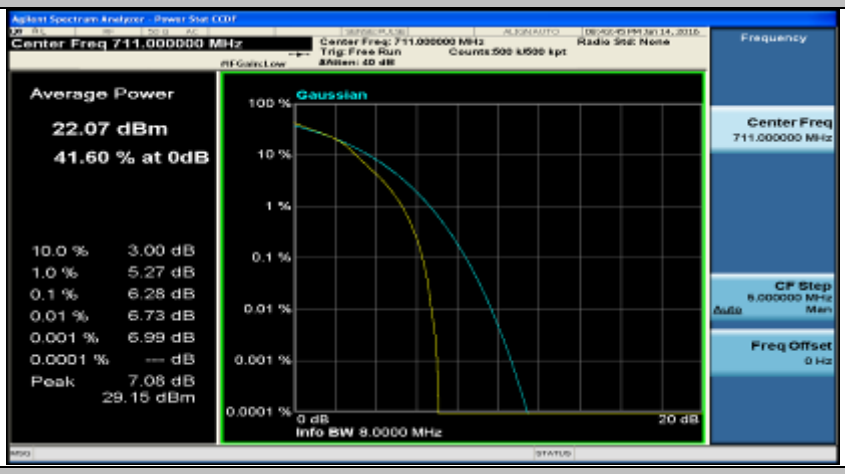
Channel Bandwidth 10 MHz_HCH_16QAM_1RB#49



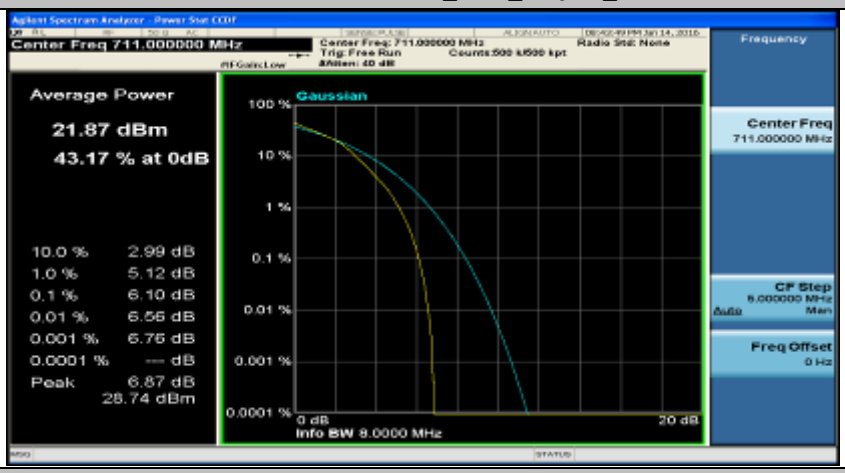
Channel Bandwidth 10 MHz_HCH_16QAM_25RB#0



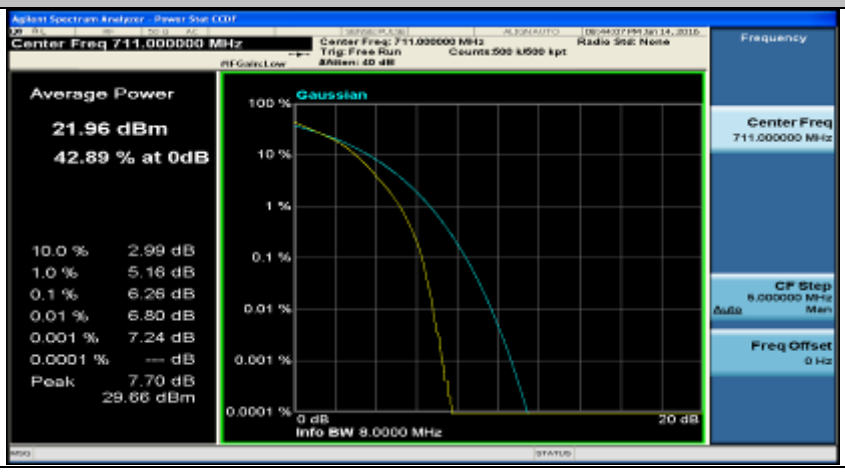
Channel Bandwidth 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth 10 MHz_HCH_16QAM_25RB#25



Channel Bandwidth 10 MHz_HCH_16QAM_50RB#0



E.3: 26dB Bandwidth and Occupied Bandwidth

Channel Bandwidth 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4765	4.764	PASS
	MCH	25	0	4.4836	4.836	PASS
	HCH	25	0	4.4864	4.844	PASS
16QAM	LCH	25	0	4.4779	4.812	PASS
	MCH	25	0	4.4898	4.797	PASS
	HCH	25	0	4.4762	4.798	PASS

Channel Bandwidth 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9544	9.478	PASS
	MCH	50	0	8.9500	9.482	PASS
	HCH	50	0	8.9449	9.430	PASS
16QAM	LCH	50	0	8.9473	9.373	PASS
	MCH	50	0	8.9515	9.448	PASS
	HCH	50	0	8.9498	9.449	PASS

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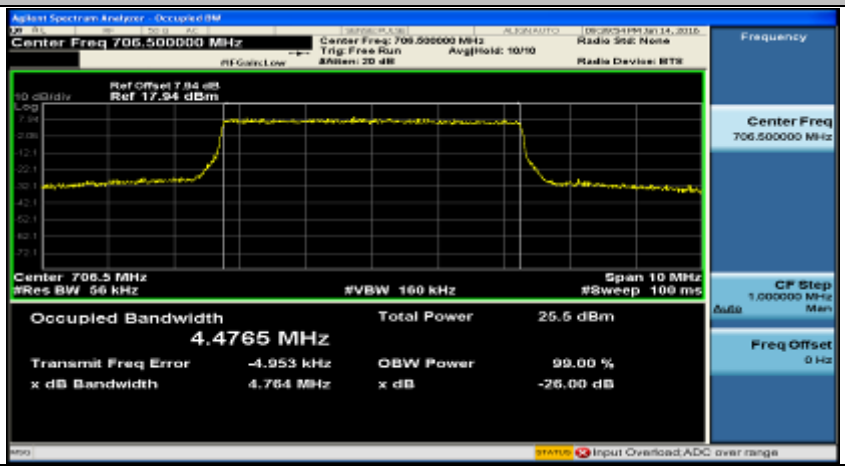
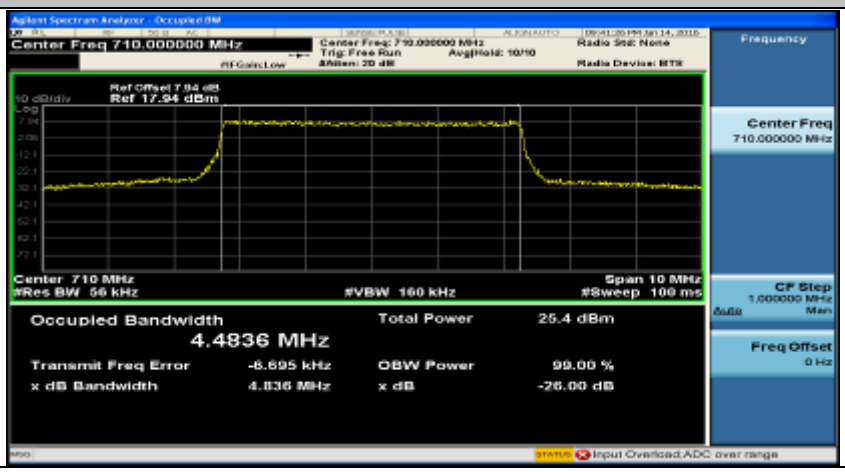
Test Graphs

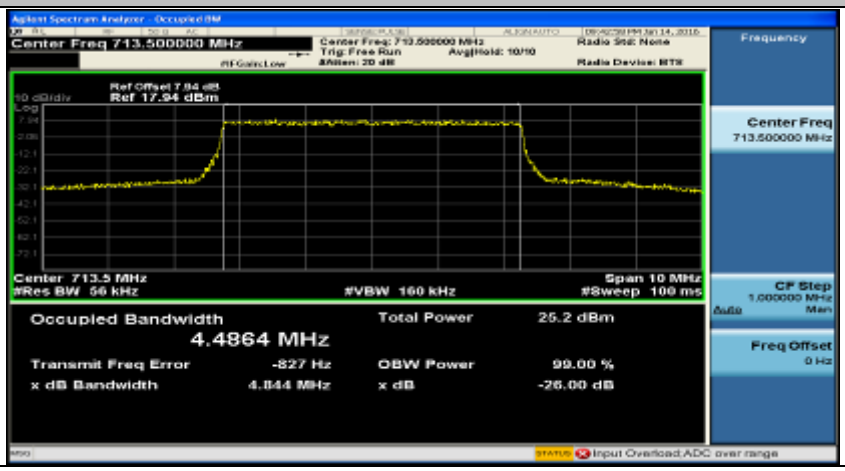
(Channel Bandwidth 5 MHz)_LCH_QPSK_25RB#0



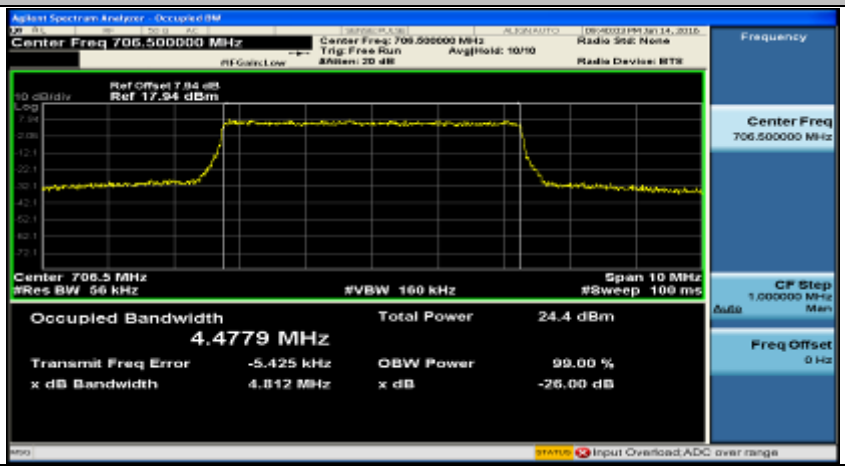
(Channel Bandwidth 5 MHz)_MCH_QPSK_25RB#0



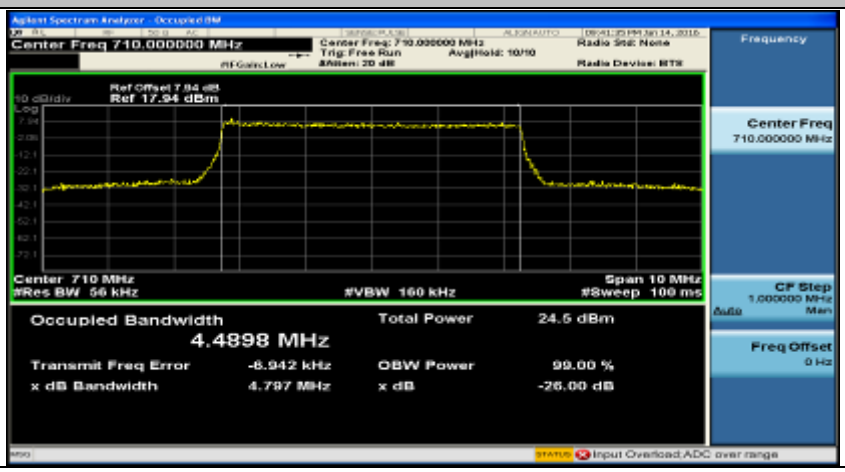
(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



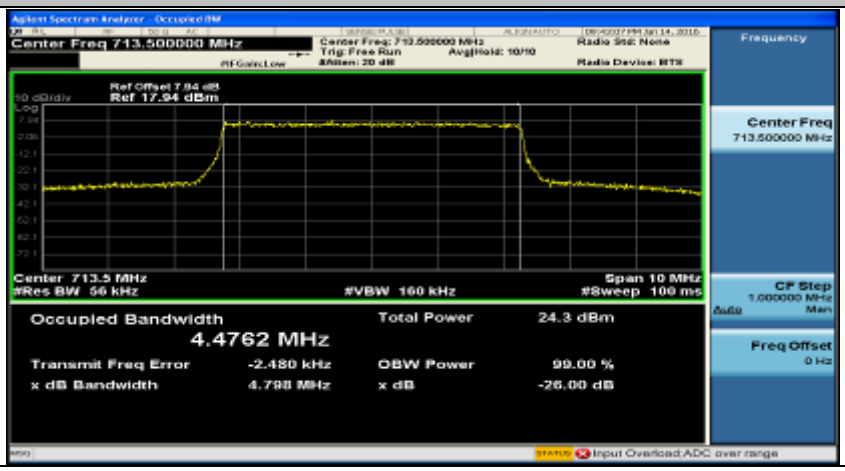
(Channel Bandwidth 5 MHz)_LCH_16QAM_25RB#0



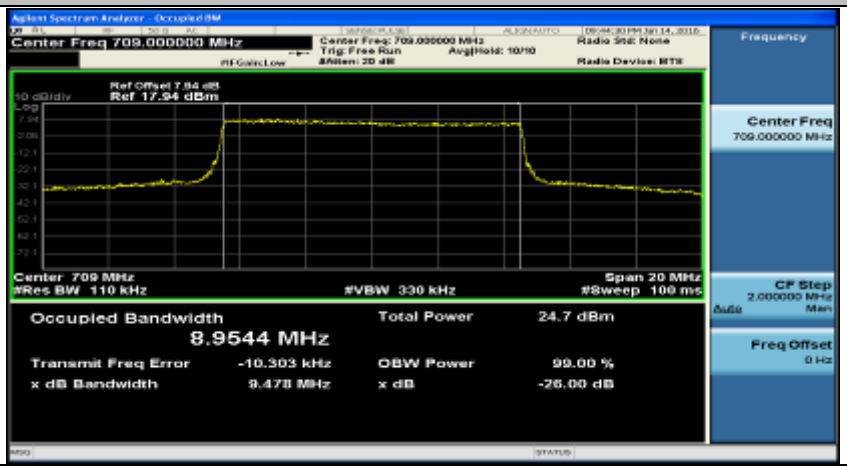
(Channel Bandwidth 5 MHz)_MCH_16QAM_25RB#0



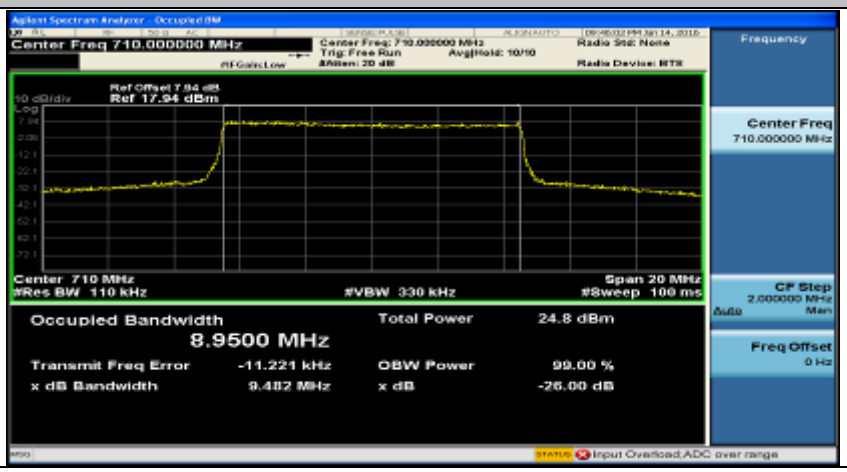
(Channel Bandwidth 5 MHz)_HCH_16QAM_25RB#0



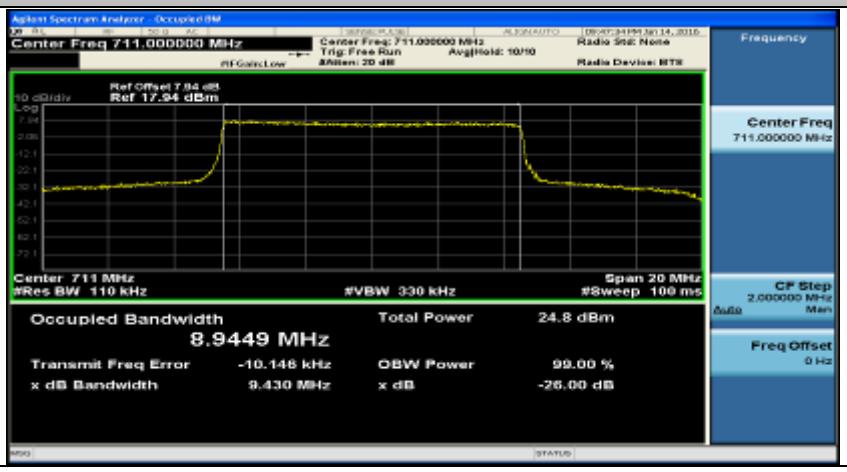
Channel Bandwidth 10 MHz_LCH_QPSK_50RB#0



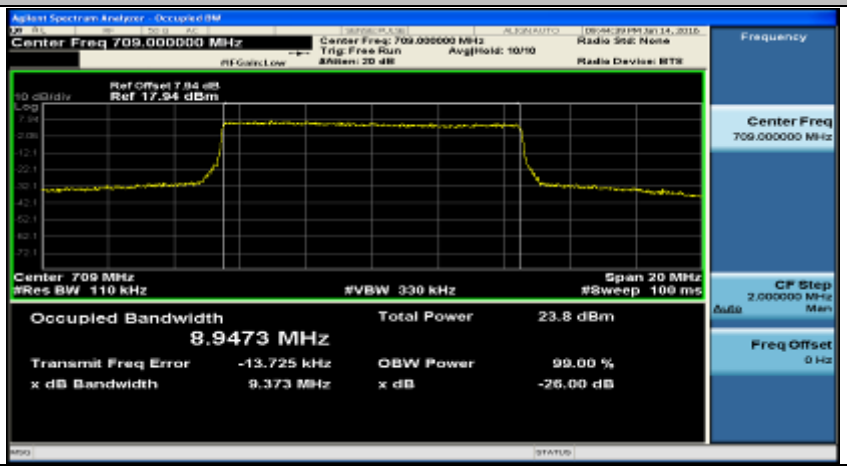
Channel Bandwidth 10 MHz_MCH_QPSK_50RB#0



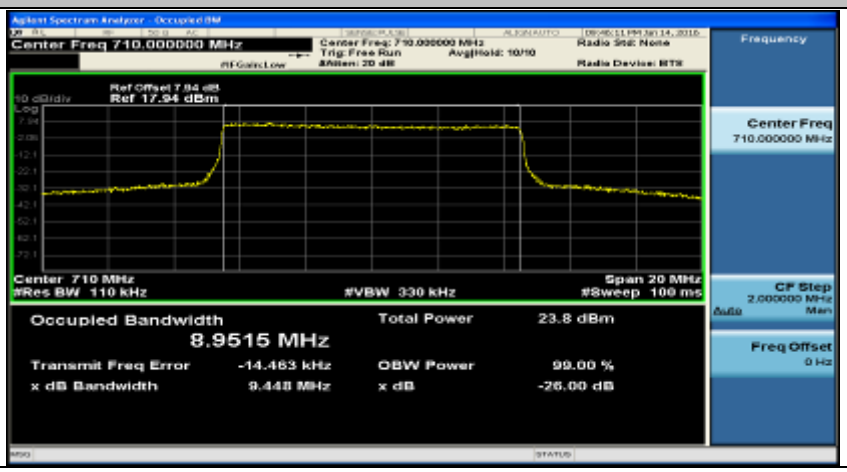
Channel Bandwidth 10 MHz_HCH_QPSK_50RB#0



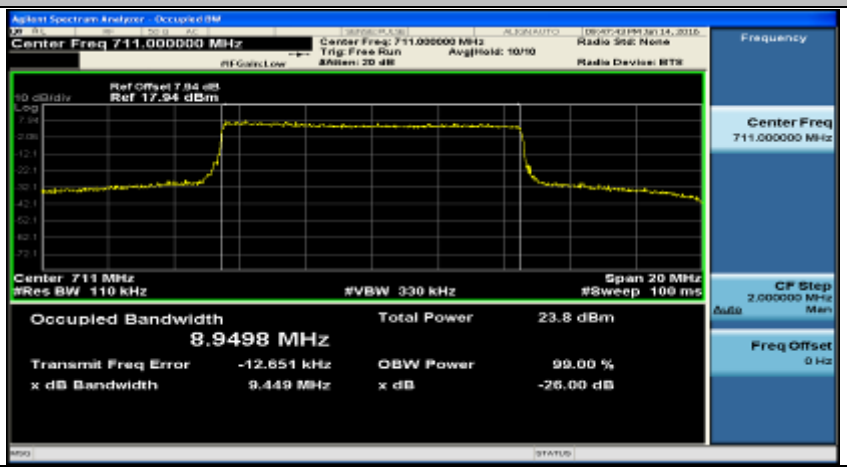
Channel Bandwidth 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth 10 MHz_MCH_16QAM_50RB#0

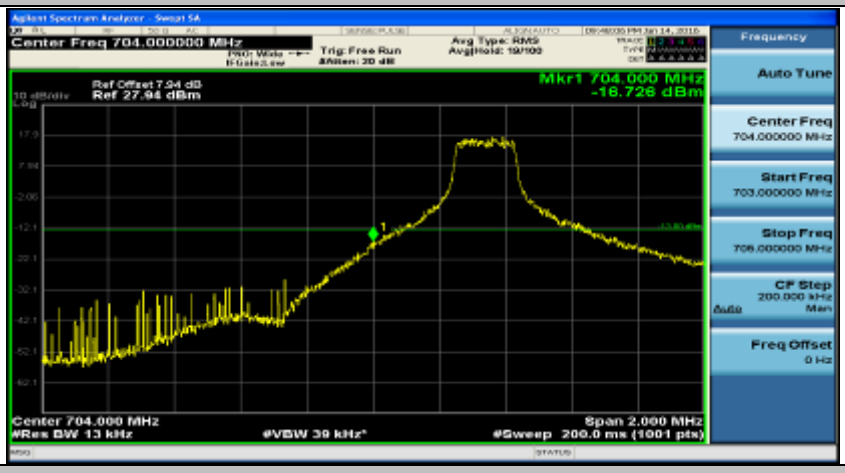


Channel Bandwidth 10 MHz_HCH_16QAM_50RB#0

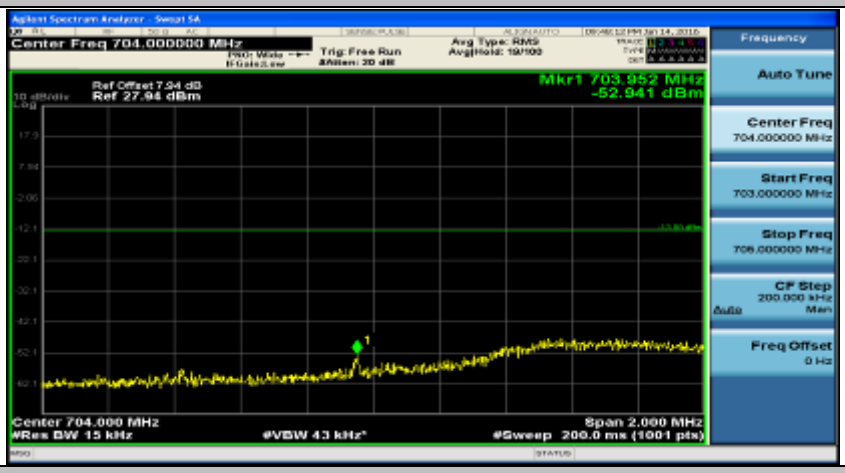


E.4: Band Edge

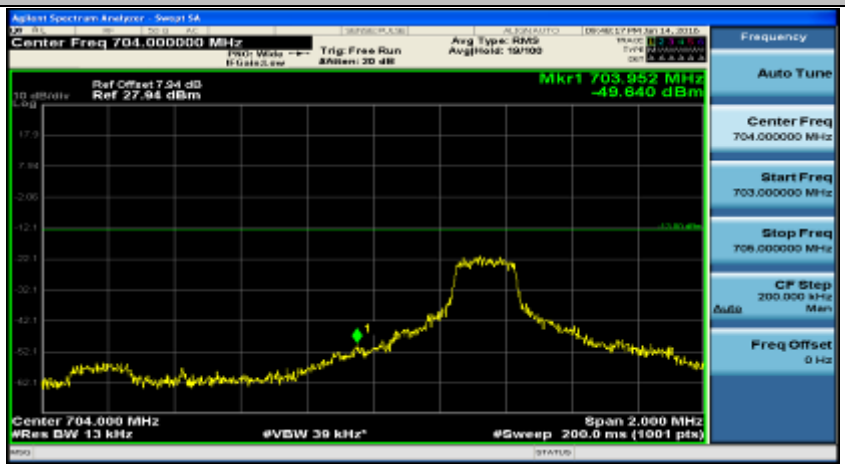
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0



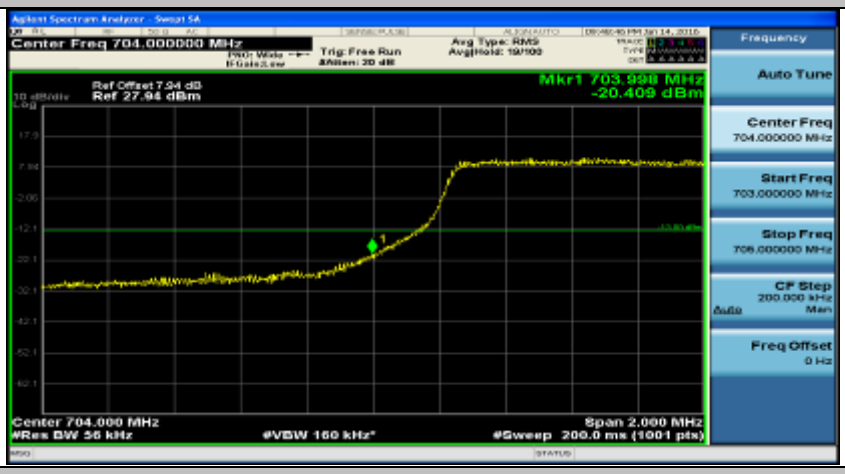
(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#24

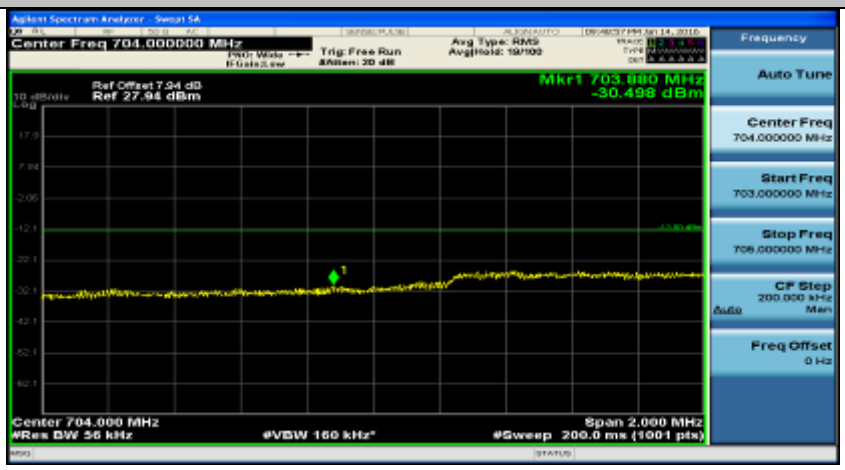


(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#0

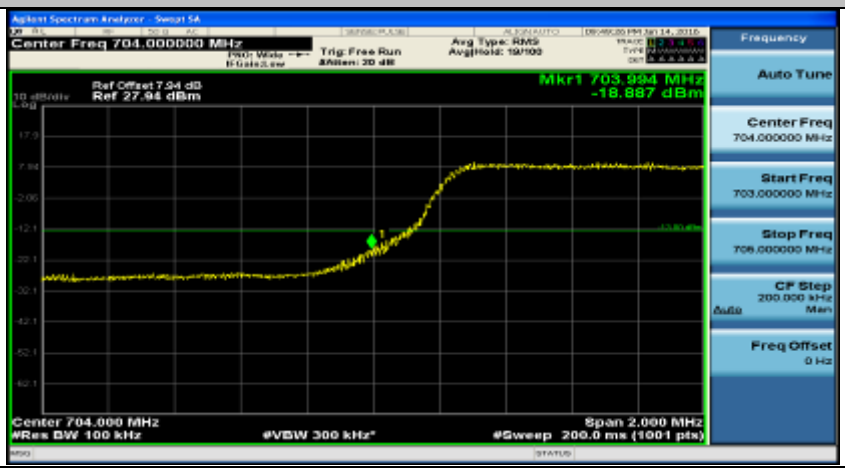


(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#6

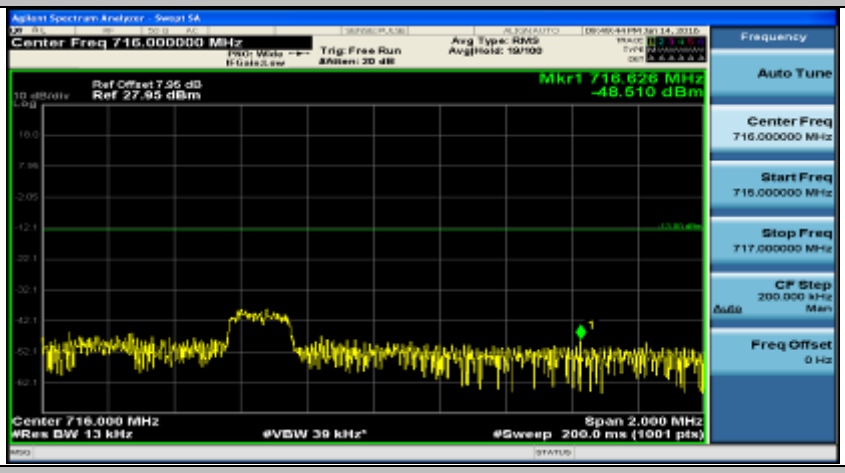
(Channel Bandwidth 5 MHz)_LCH_QPSK_12RB#13



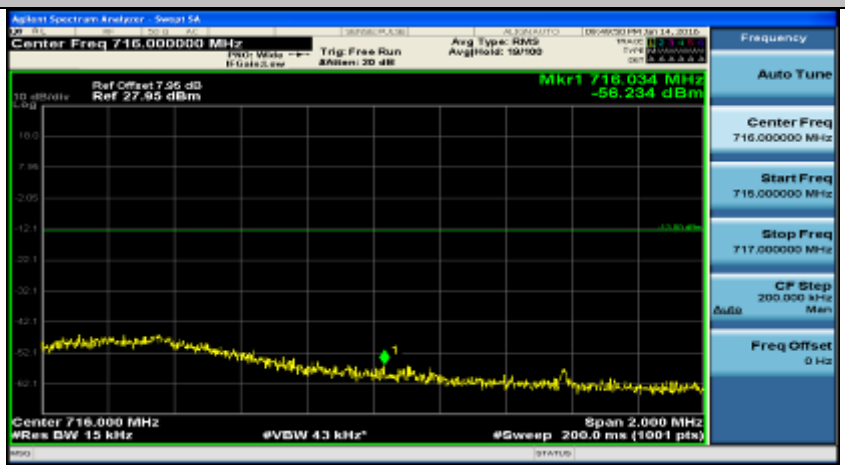
(Channel Bandwidth 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#0

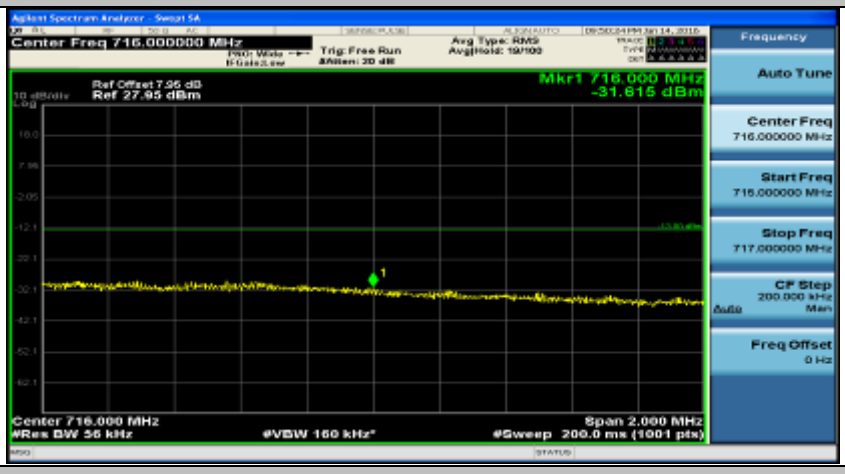


(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#12



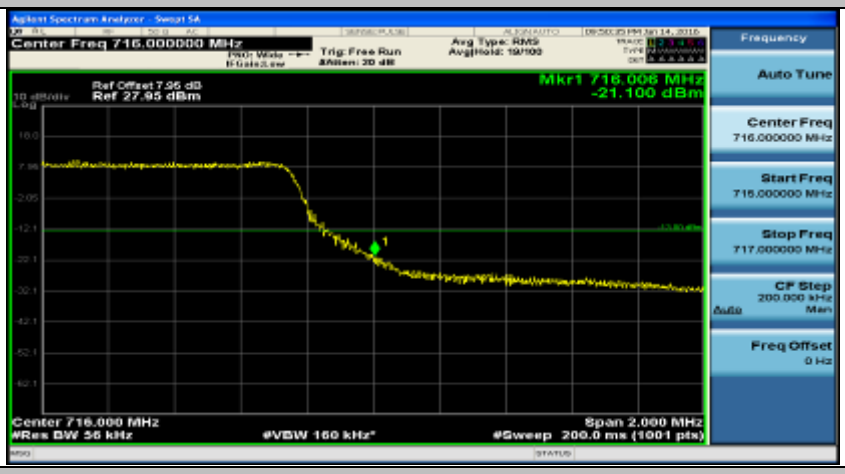
(Channel Bandwidth 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#0

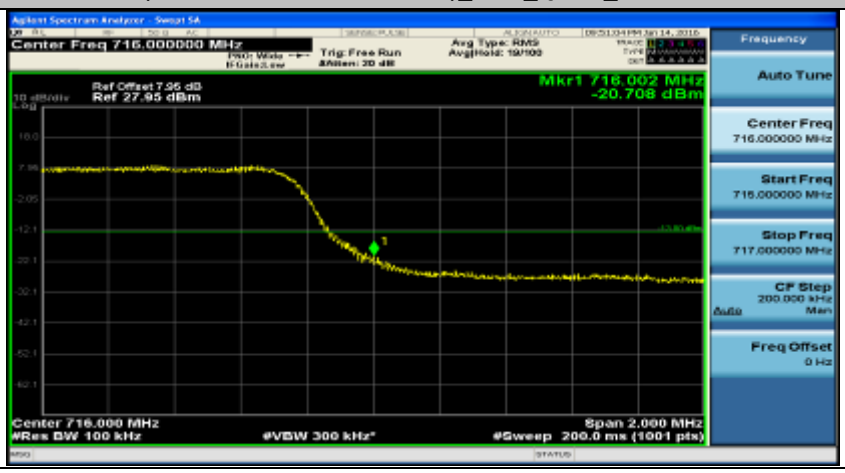


(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#6

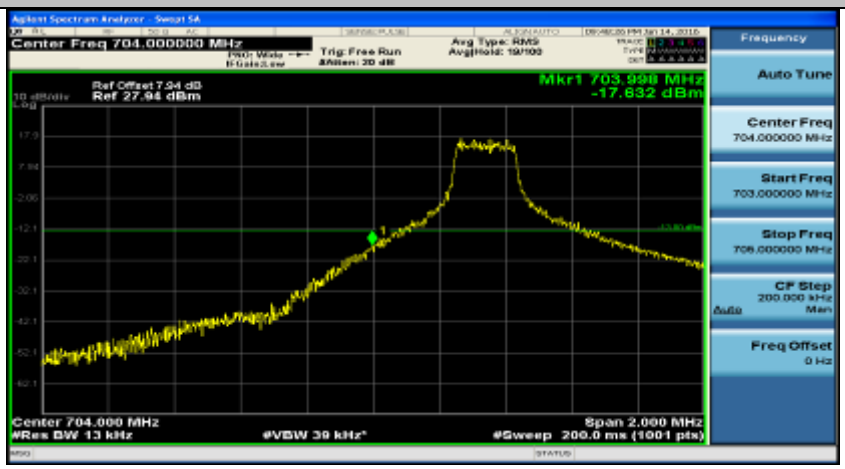
(Channel Bandwidth 5 MHz)_HCH_QPSK_12RB#13



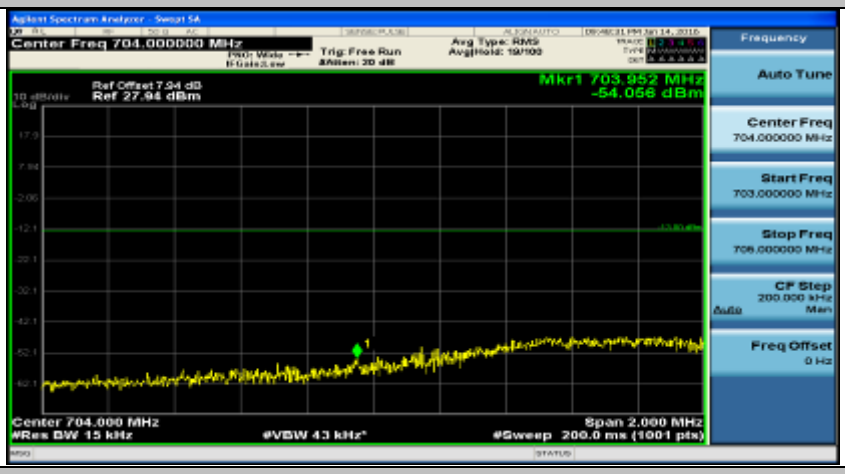
(Channel Bandwidth 5 MHz)_HCH_QPSK_25RB#0



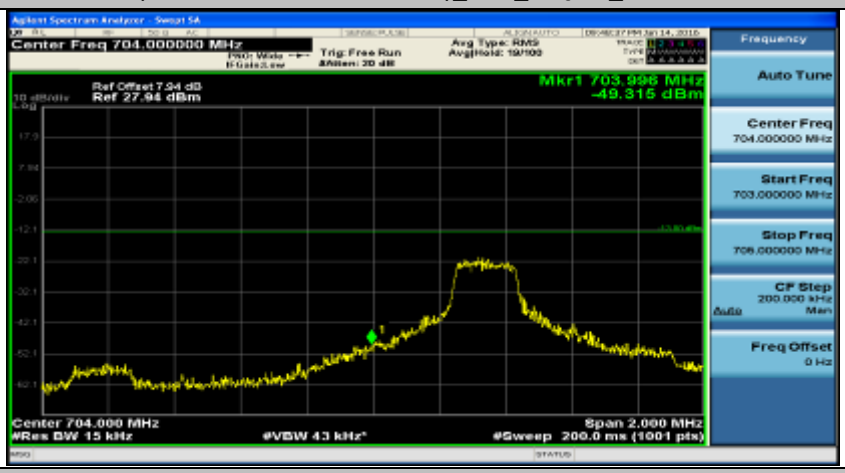
(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth 5 MHz)_LCH_16QAM_1RB#24



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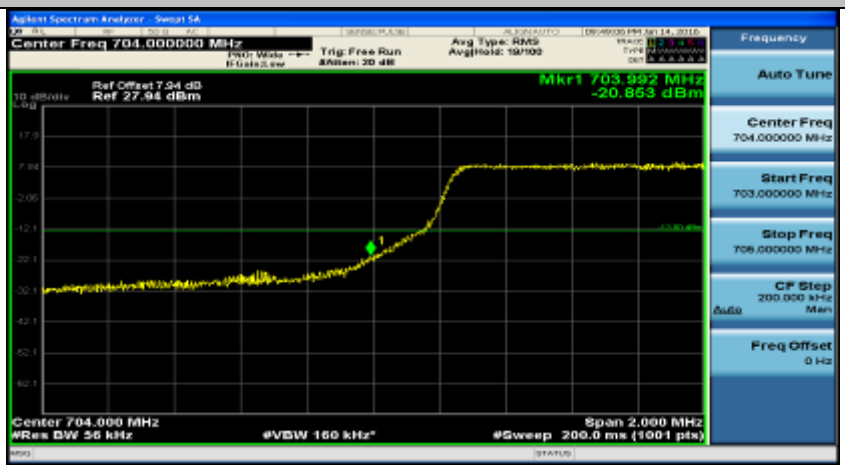
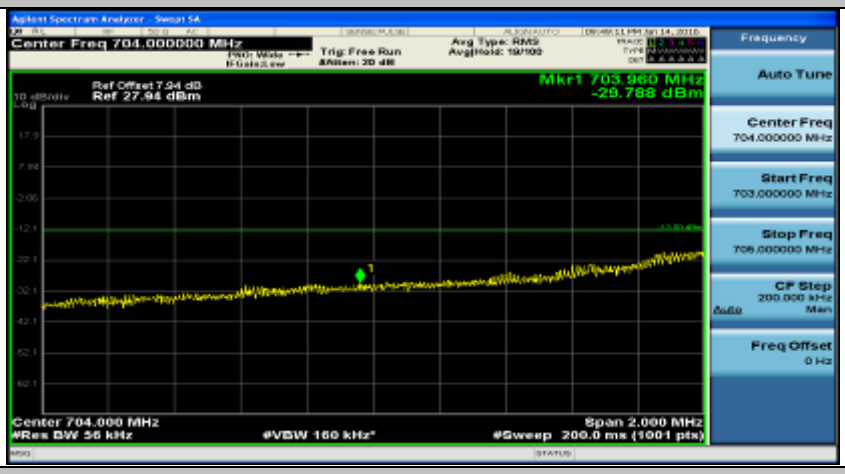
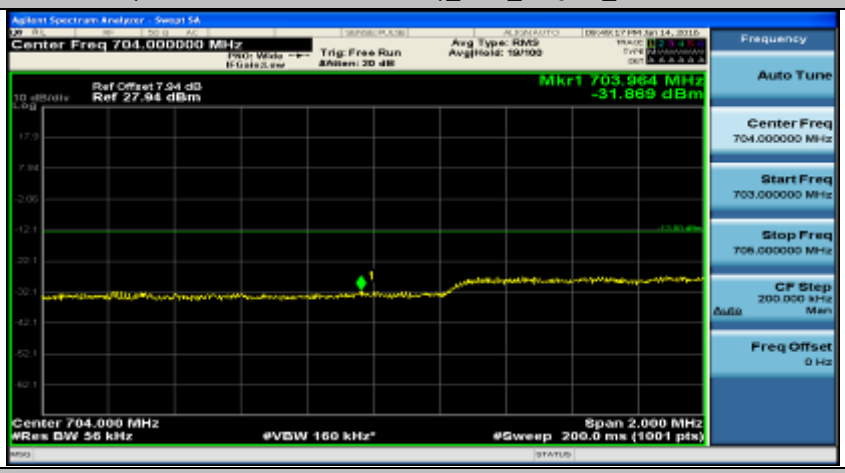


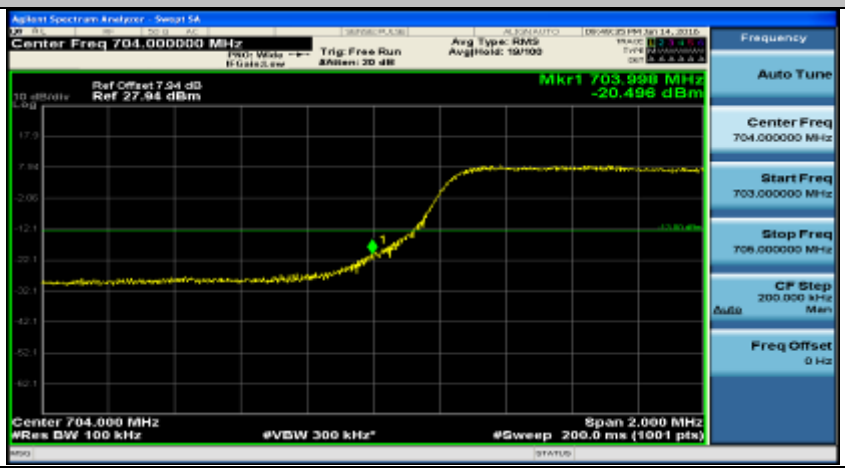
(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth 5 MHz)_LCH_16QAM_12RB#13

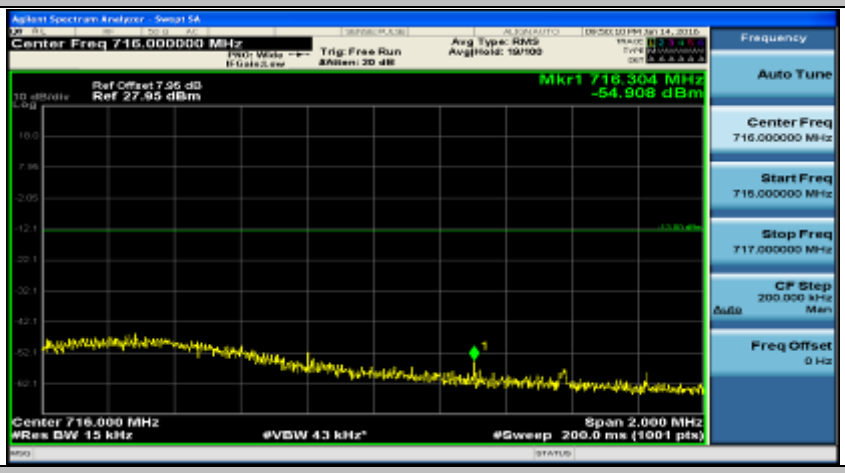


(Channel Bandwidth 5 MHz)_LCH_16QAM_25RB#0

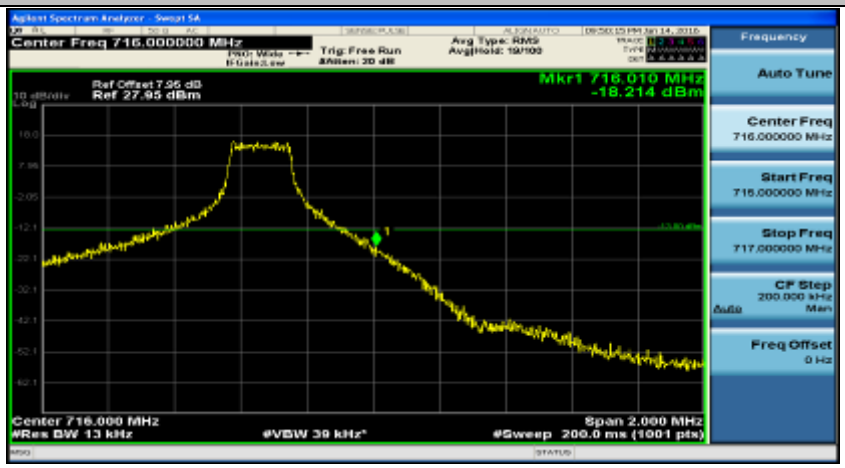


(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#0

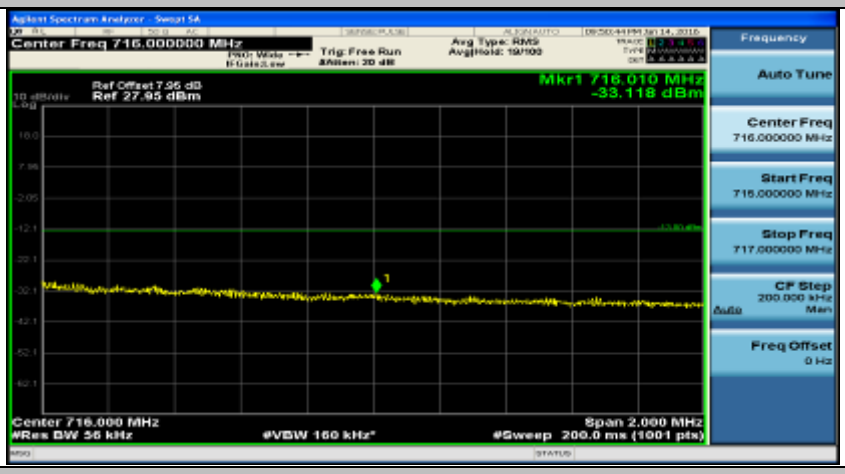
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#12



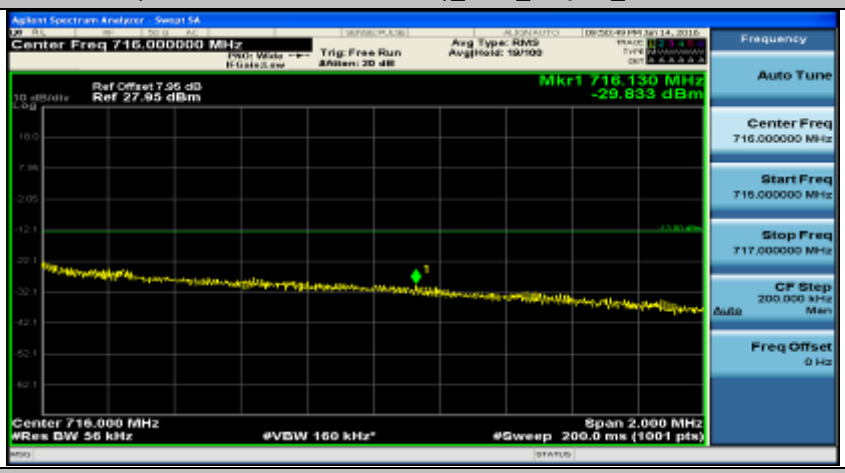
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#0

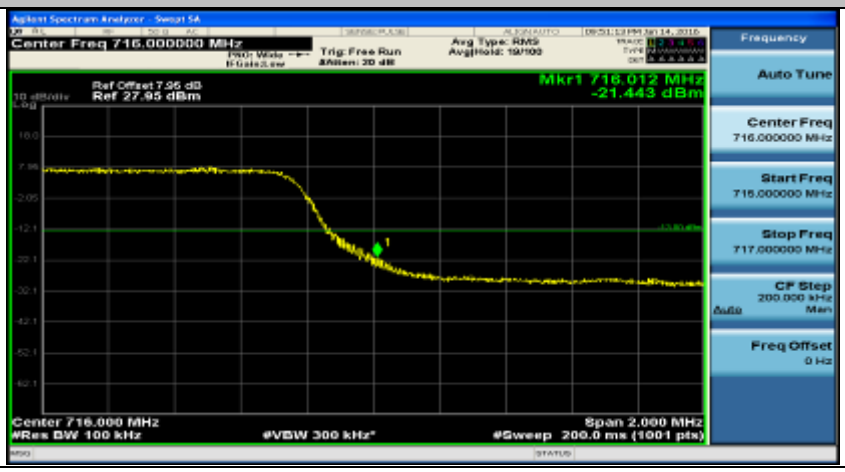


(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#6



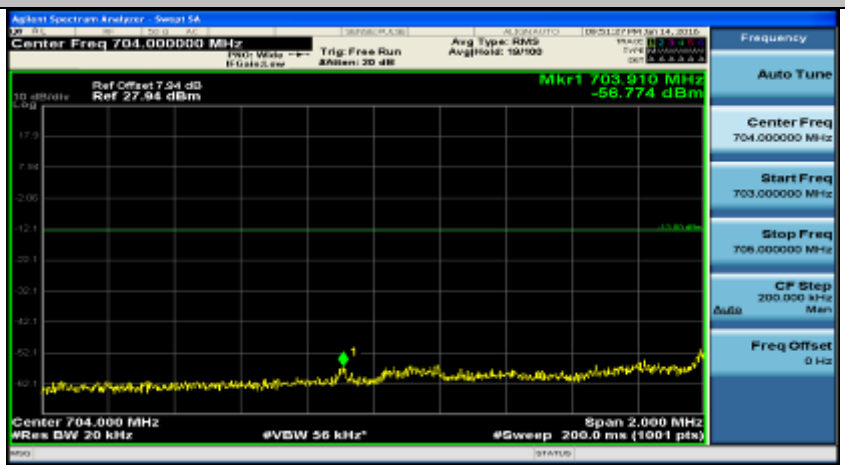
(Channel Bandwidth 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#0

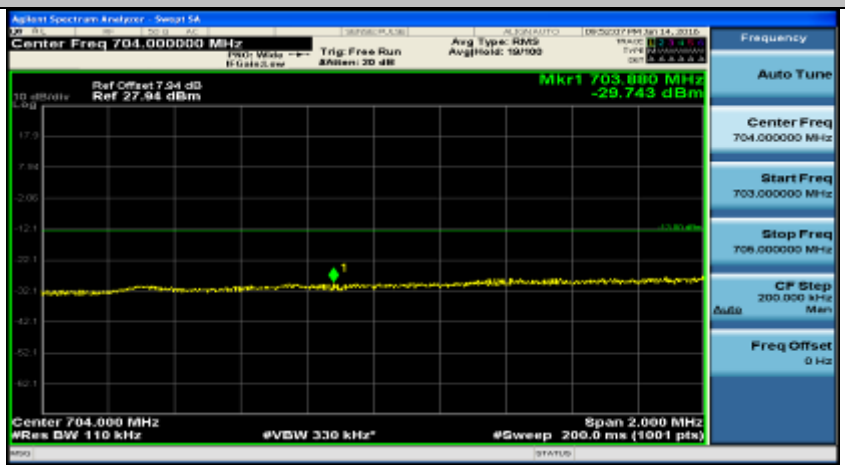
Channel Bandwidth 10 MHz_LCH_QPSK_1RB#24



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#49

Channel Bandwidth 10 MHz_LCH_QPSK_25RB#0

Channel Bandwidth 10 MHz_LCH_QPSK_25RB#12



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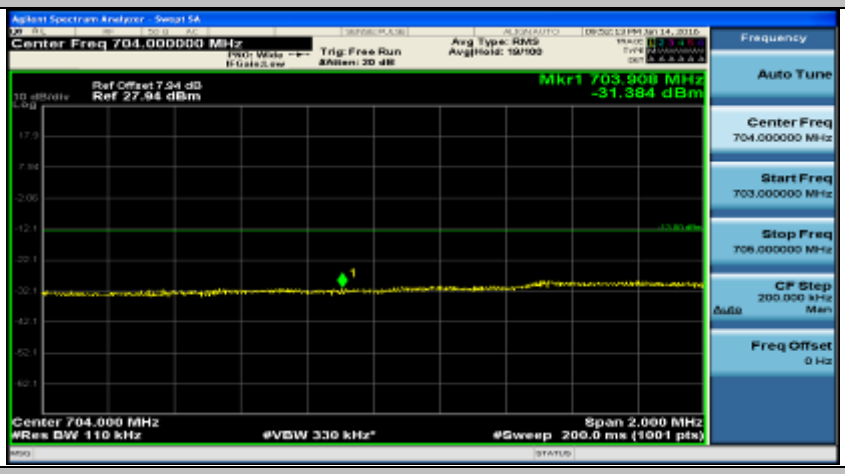
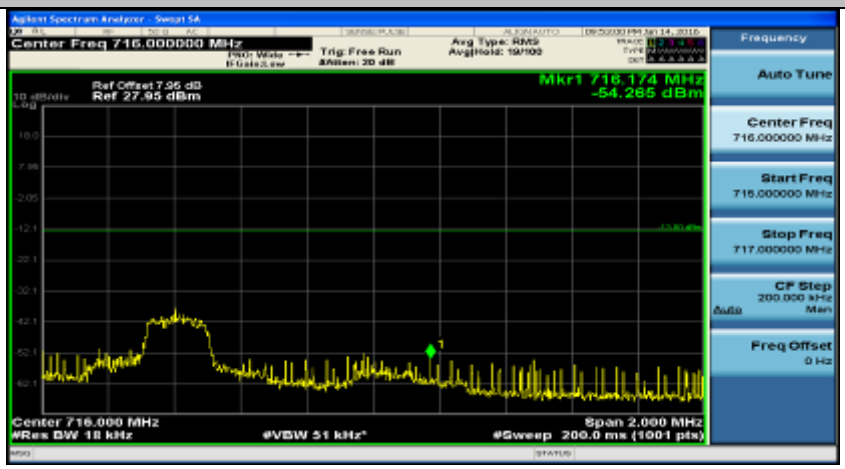
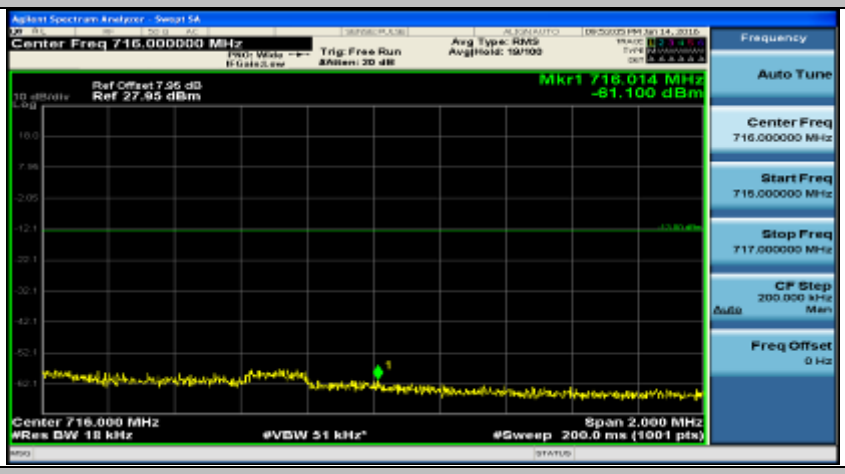


Channel Bandwidth 10 MHz_LCH_QPSK_50RB#0

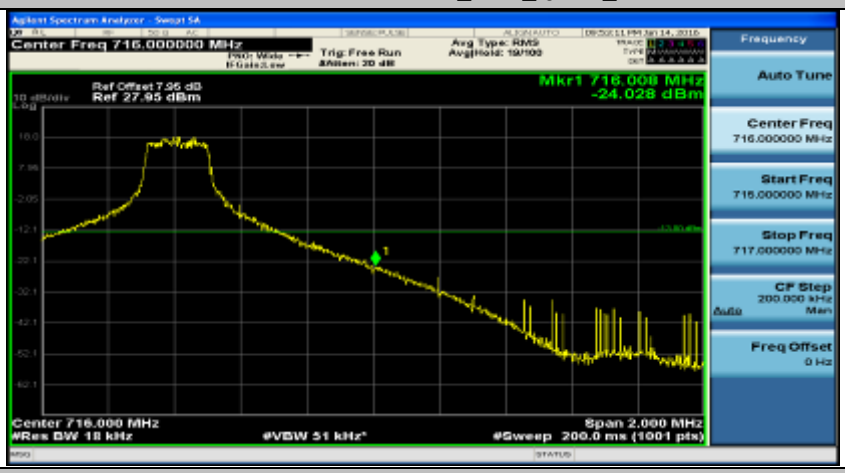
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#0



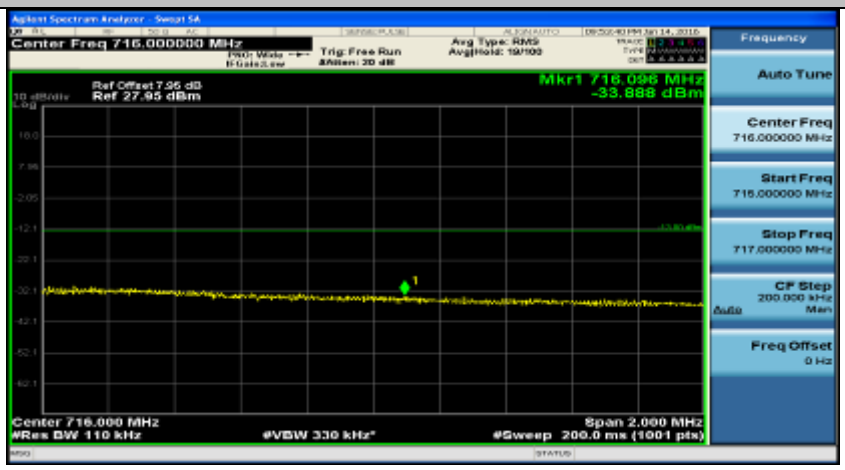
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#24



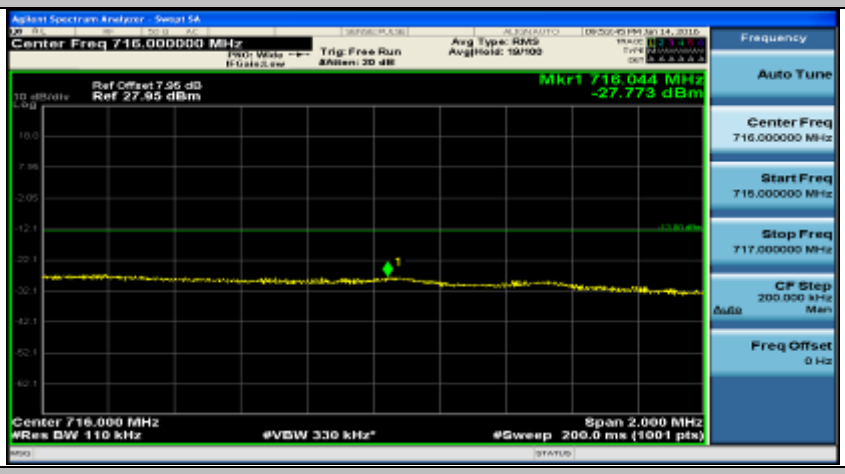
Channel Bandwidth 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth 10 MHz_HCH_QPSK_25RB#0

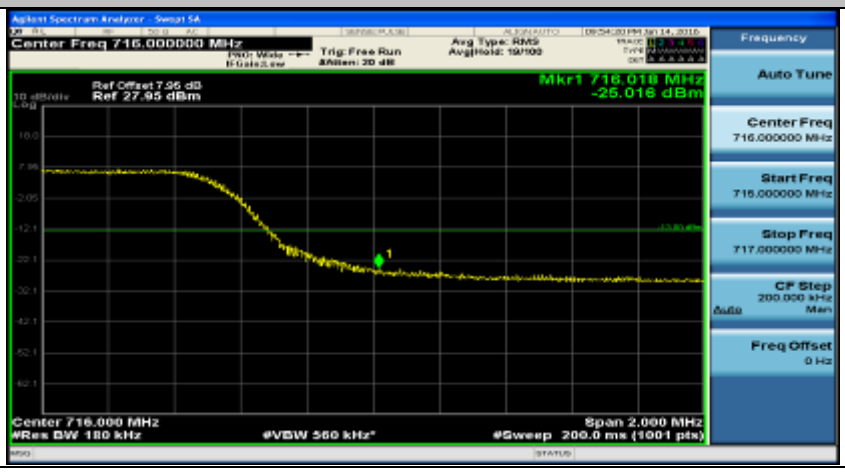


Channel Bandwidth 10 MHz_HCH_QPSK_25RB#12

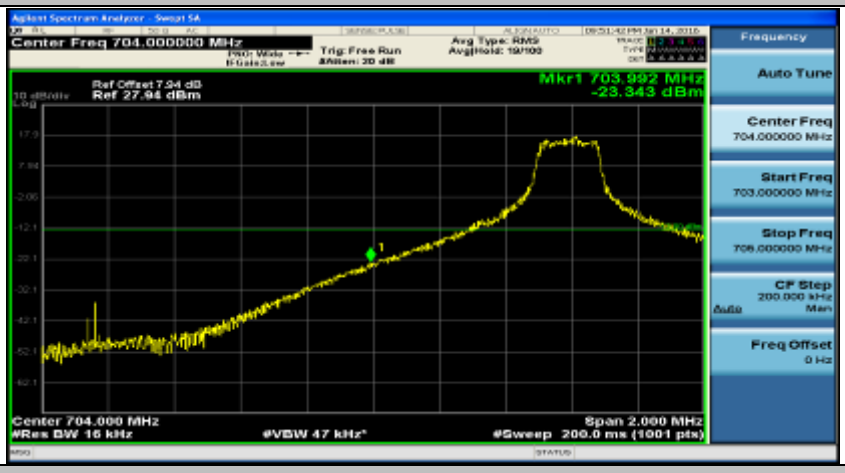


Channel Bandwidth 10 MHz_HCH_QPSK_25RB#25

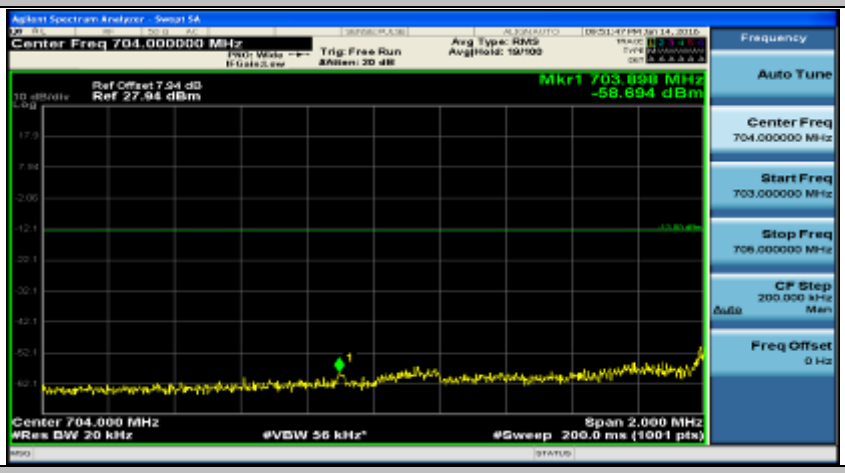
Channel Bandwidth 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth 10 MHz_LCH_16QAM_1RB#0

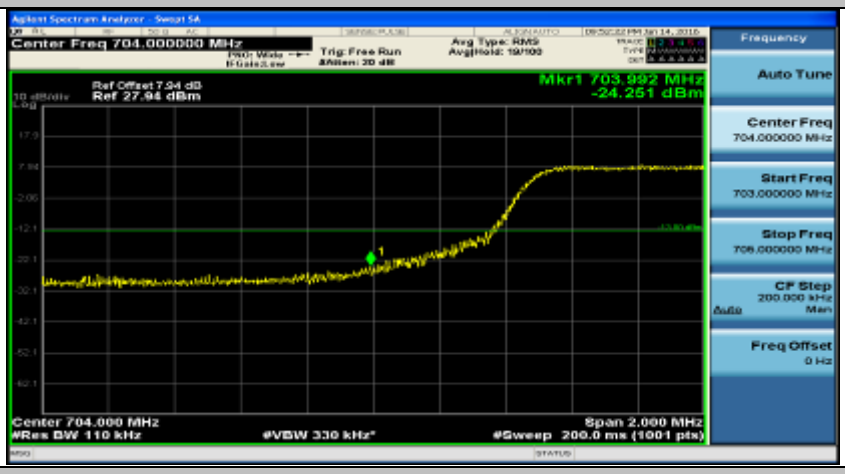


Channel Bandwidth 10 MHz_LCH_16QAM_1RB#24

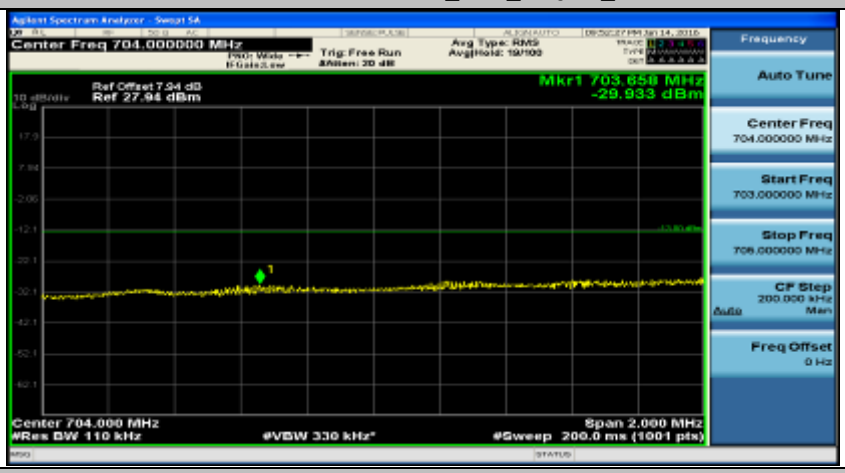


Channel Bandwidth 10 MHz_LCH_16QAM_1RB#49

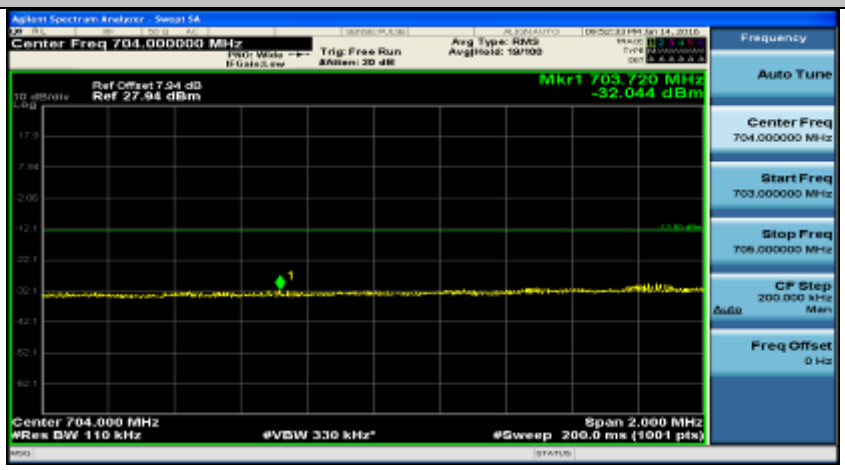
Channel Bandwidth 10 MHz_LCH_16QAM_25RB#0



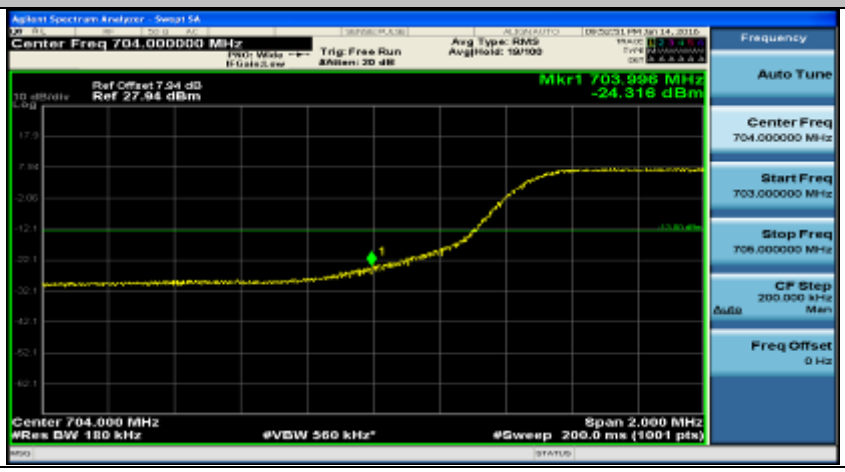
Channel Bandwidth 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth 10 MHz_LCH_16QAM_25RB#25

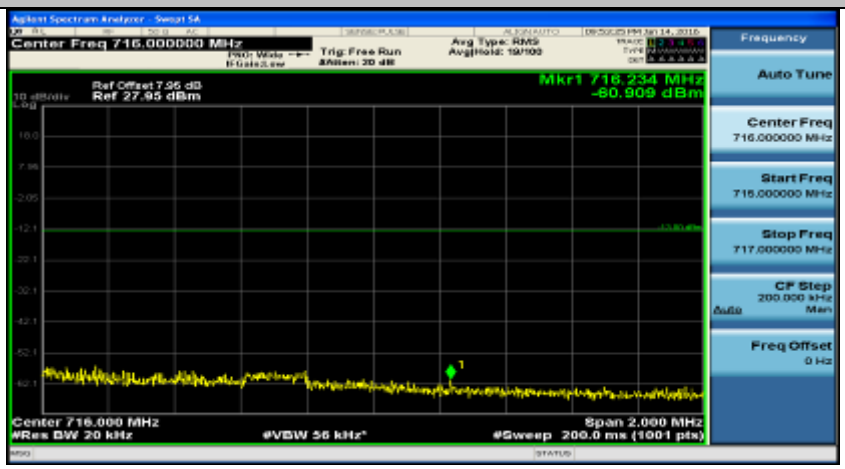


Channel Bandwidth 10 MHz_LCH_16QAM_50RB#0



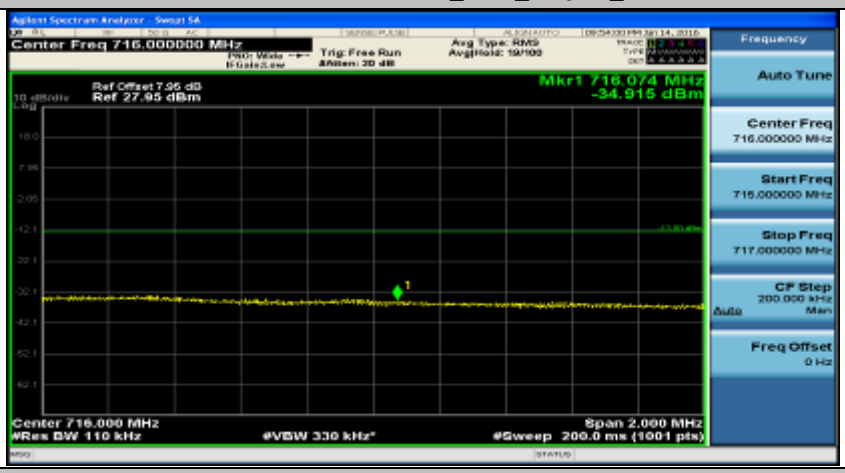
Channel Bandwidth 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth 10 MHz_HCH_16QAM_1RB#24

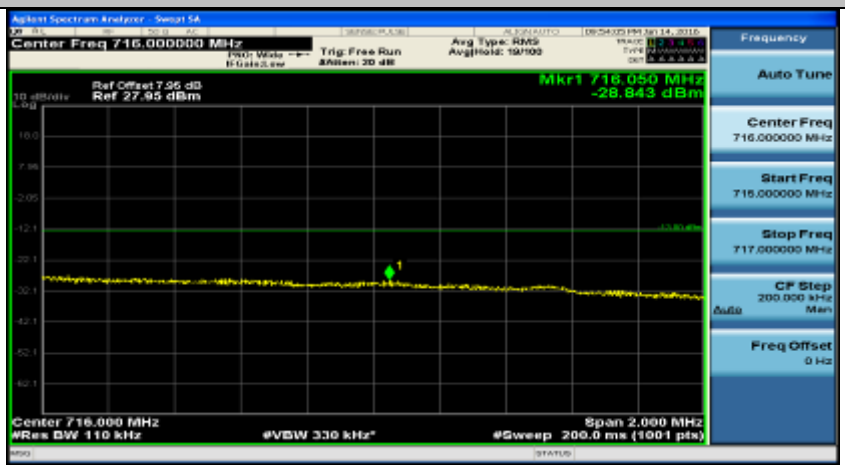


Channel Bandwidth 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth 10 MHz_HCH_16QAM_25RB#0

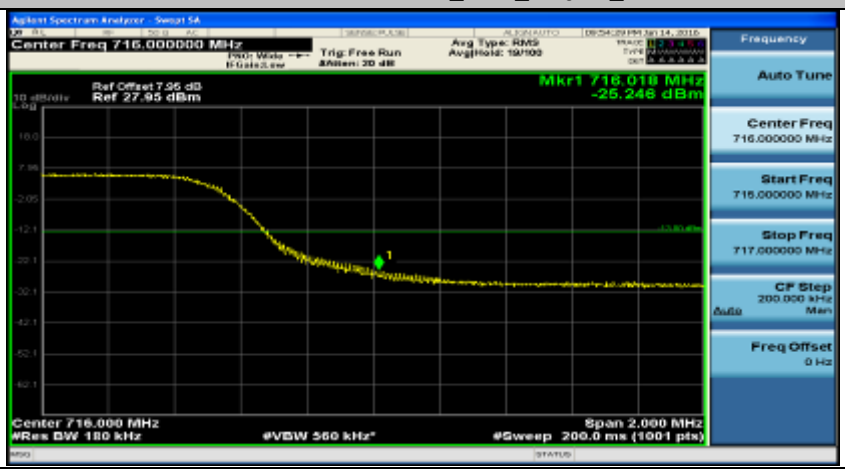


Channel Bandwidth 10 MHz_HCH_16QAM_25RB#12

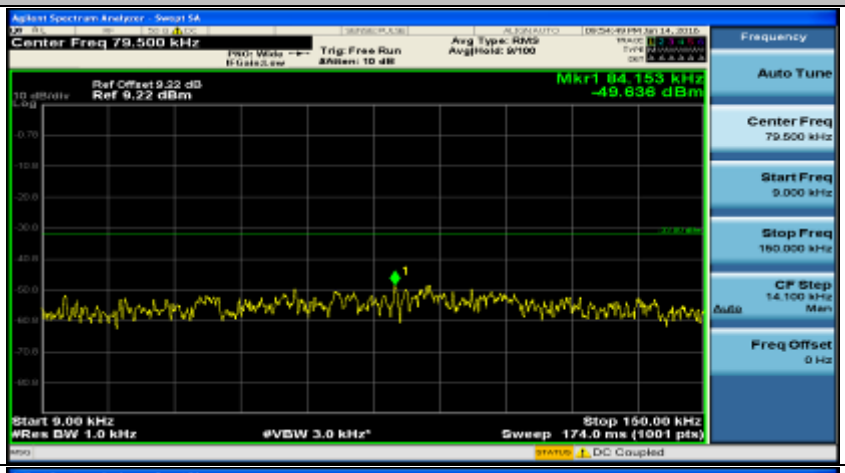
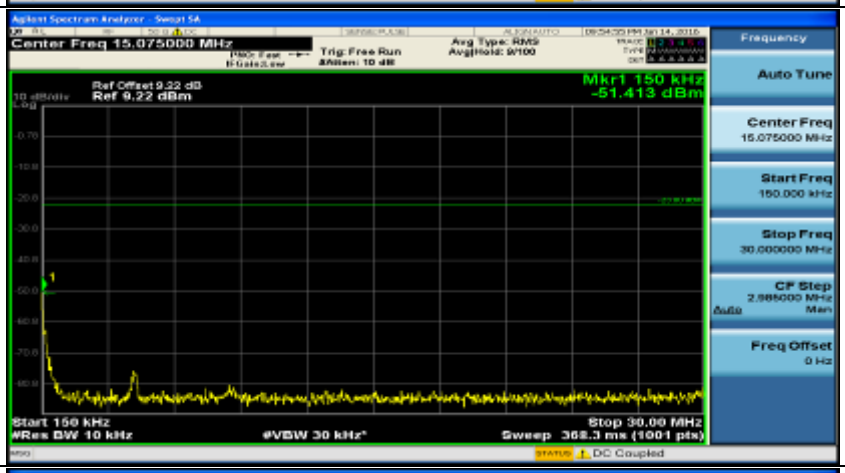
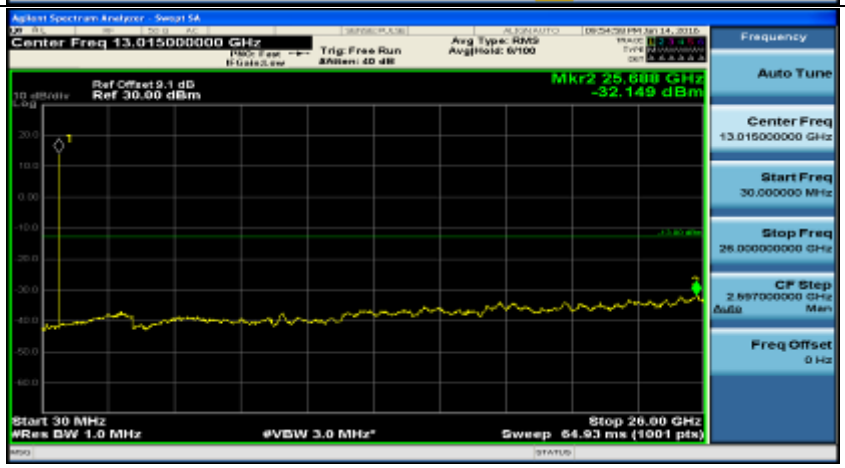
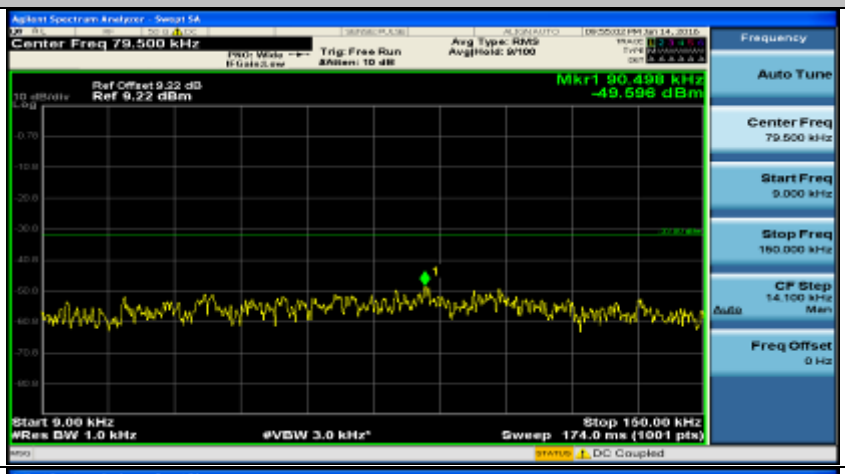
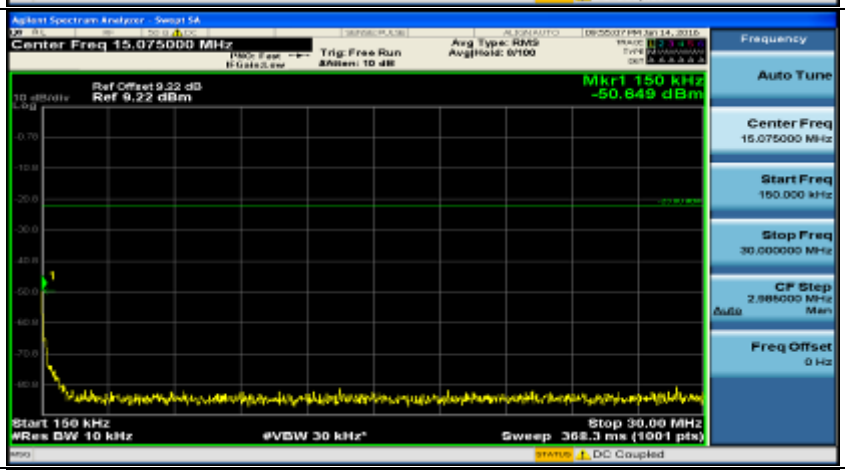
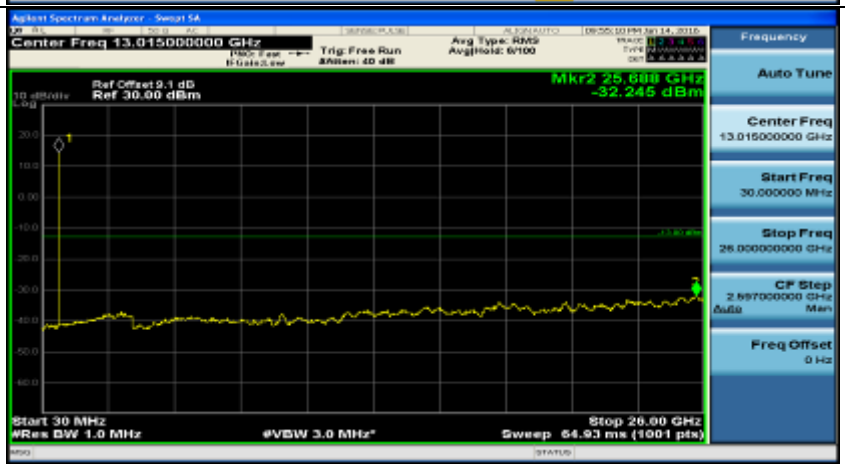


Channel Bandwidth 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth 10 MHz_HCH_16QAM_50RB#0



E.5: Conducted Spurious Emission

(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#0




(Channel Bandwidth 5 MHz)_LCH_QPSK_1RB#12