

Appendix for Band 17

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.52	PASS
		1	12	23.49	PASS
		1	24	23.29	PASS
		12	0	22.48	PASS
		12	6	22.42	PASS
		12	13	22.36	PASS
		25	0	22.37	PASS
	MCH	1	0	23.38	PASS
		1	12	23.33	PASS
		1	24	23.13	PASS
		12	0	22.33	PASS
		12	6	22.27	PASS
		12	13	22.22	PASS
		25	0	22.23	PASS
	HCH	1	0	23.25	PASS
		1	12	23.22	PASS
		1	24	23.02	PASS
		12	0	22.23	PASS
		12	6	22.16	PASS
		12	13	22.10	PASS
		25	0	22.13	PASS
16QAM	LCH	1	0	22.70	PASS
		1	12	22.63	PASS
		1	24	22.44	PASS
		12	0	21.51	PASS
		12	6	21.42	PASS
		12	13	21.37	PASS
		25	0	21.37	PASS
	MCH	1	0	22.48	PASS
		1	12	22.49	PASS
		1	24	22.33	PASS
		12	0	21.40	PASS

		12	6	21.34	PASS
		12	13	21.30	PASS
		25	0	21.24	PASS
	HCH	1	0	22.37	PASS
		1	12	22.39	PASS
		1	24	22.10	PASS
		12	0	21.20	PASS
		12	6	21.15	PASS
		12	13	21.09	PASS
		25	0	21.14	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.39	PASS
		1	24	23.24	PASS
		1	49	23.00	PASS
		25	0	22.35	PASS
		25	12	22.29	PASS
		25	25	22.19	PASS
		50	0	22.29	PASS
	MCH	1	0	23.40	PASS
		1	24	23.23	PASS
		1	49	23.02	PASS
		25	0	22.33	PASS
		25	12	22.22	PASS
		25	25	22.15	PASS
		50	0	22.25	PASS
	HCH	1	0	23.39	PASS
		1	24	23.17	PASS
		1	49	22.98	PASS
		25	0	22.30	PASS
		25	12	22.21	PASS
		25	25	22.12	PASS
		50	0	22.22	PASS
16QAM	LCH	1	0	22.65	PASS
		1	24	22.44	PASS
		1	49	22.29	PASS
		25	0	21.36	PASS
		25	12	21.28	PASS
		25	25	21.21	PASS
		50	0	21.28	PASS

	MCH	1	0	22.69	PASS
		1	24	22.52	PASS
		1	49	22.36	PASS
		25	0	21.35	PASS
		25	12	21.24	PASS
		25	25	21.19	PASS
		50	0	21.29	PASS
	HCH	1	0	22.51	PASS
		1	24	22.37	PASS
		1	49	22.11	PASS
		25	0	21.29	PASS
		25	12	21.21	PASS
		25	25	21.13	PASS
		50	0	21.25	PASS

Appendix B: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.62	<13	PASS
		1	12	3.20	<13	PASS
		1	24	3.35	<13	PASS
		12	0	4.45	<13	PASS
		12	6	4.24	<13	PASS
		12	13	4.16	<13	PASS
		25	0	4.46	<13	PASS
	MCH	1	0	3.25	<13	PASS
		1	12	3.43	<13	PASS
		1	24	3.84	<13	PASS
		12	0	4.30	<13	PASS
		12	6	4.44	<13	PASS
		12	13	4.64	<13	PASS
		25	0	4.61	<13	PASS
	HCH	1	0	3.77	<13	PASS
		1	12	3.90	<13	PASS
		1	24	3.34	<13	PASS
		12	0	4.84	<13	PASS
		12	6	4.91	<13	PASS
		12	13	4.65	<13	PASS
		25	0	4.92	<13	PASS
16QAM	LCH	1	0	4.67	<13	PASS
		1	12	4.28	<13	PASS
		1	24	4.46	<13	PASS
		12	0	5.33	<13	PASS
		12	6	5.16	<13	PASS
		12	13	5.05	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	4.07	<13	PASS
		1	12	4.35	<13	PASS
		1	24	4.79	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.30	<13	PASS

		12	13	5.5	<13	PASS
		25	0	5.41	<13	PASS
	HCH	1	0	4.79	<13	PASS
		1	12	4.92	<13	PASS
		1	24	4.41	<13	PASS
		12	0	5.73	<13	PASS
		12	6	5.77	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.70	<13	PASS

Channel Bandwidth: 10 MHz

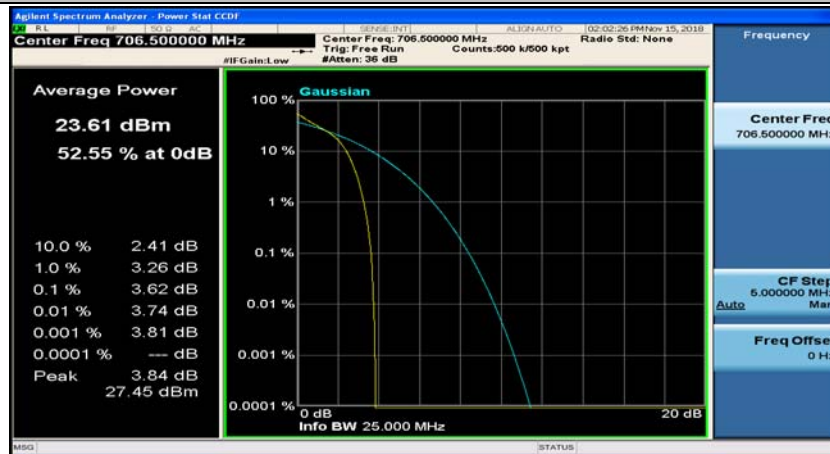
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.49	<13	PASS
		1	24	3.31	<13	PASS
		1	49	3.85	<13	PASS
		25	0	4.42	<13	PASS
		25	12	4.40	<13	PASS
		25	25	4.75	<13	PASS
		50	0	4.83	<13	PASS
	MCH	1	0	3.29	<13	PASS
		1	24	3.36	<13	PASS
		1	49	3.66	<13	PASS
		25	0	4.38	<13	PASS
		25	12	4.57	<13	PASS
		25	25	4.84	<13	PASS
		50	0	4.81	<13	PASS
	HCH	1	0	3.11	<13	PASS
		1	24	3.53	<13	PASS
		1	49	3.22	<13	PASS
		25	0	4.35	<13	PASS
		25	12	4.65	<13	PASS
		25	25	4.82	<13	PASS
		50	0	4.81	<13	PASS
16QAM	LCH	1	0	4.70	<13	PASS
		1	24	4.39	<13	PASS
		1	49	5.03	<13	PASS
		25	0	5.33	<13	PASS
		25	12	5.26	<13	PASS
		25	25	5.63	<13	PASS

		50	0	5.61	<13	PASS
	MCH	1	0	4.46	<13	PASS
		1	24	4.47	<13	PASS
		1	49	4.70	<13	PASS
		25	0	5.24	<13	PASS
		25	12	5.43	<13	PASS
		25	25	5.68	<13	PASS
		50	0	5.62	<13	PASS
	HCH	1	0	4.36	<13	PASS
		1	24	4.69	<13	PASS
		1	49	4.37	<13	PASS
		25	0	5.28	<13	PASS
		25	12	5.53	<13	PASS
		25	25	5.72	<13	PASS
		50	0	5.61	<13	PASS

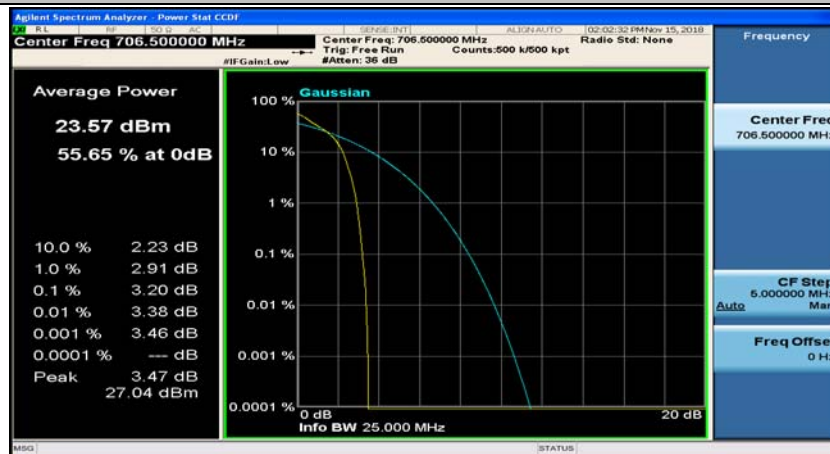
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



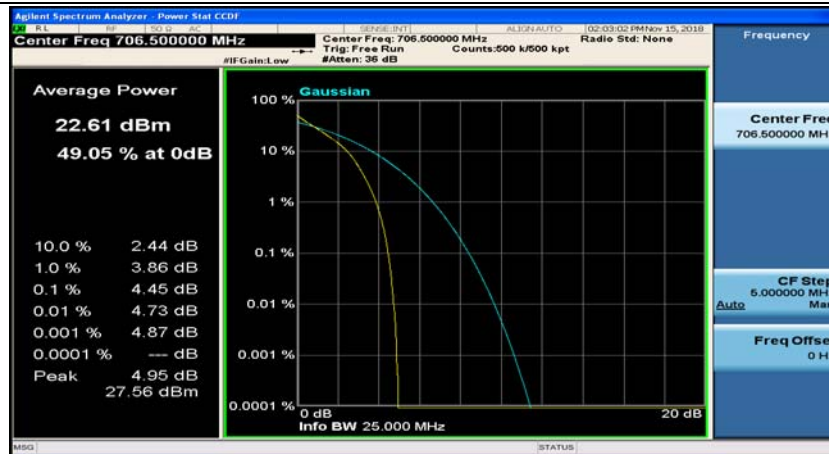
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



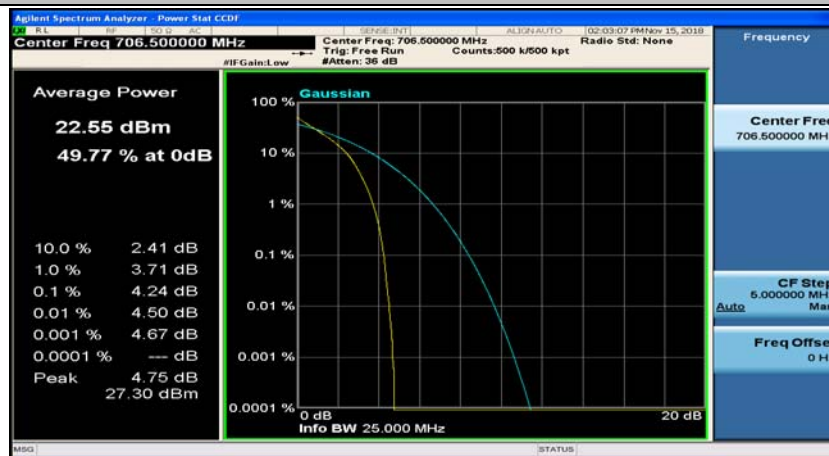
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(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



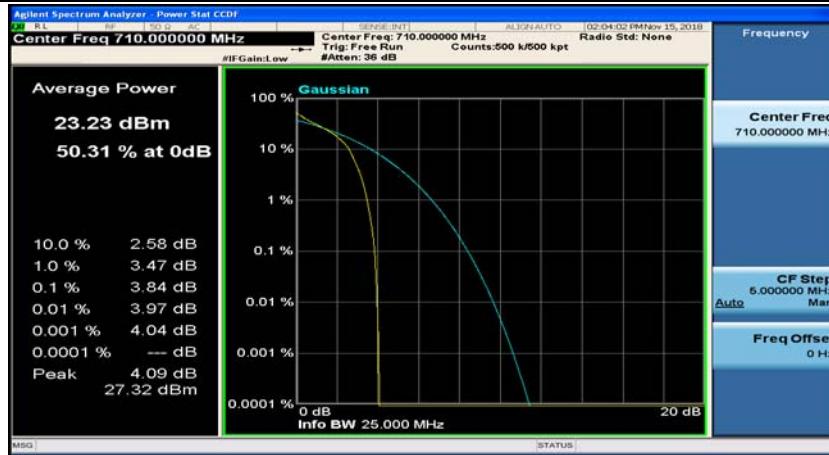
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



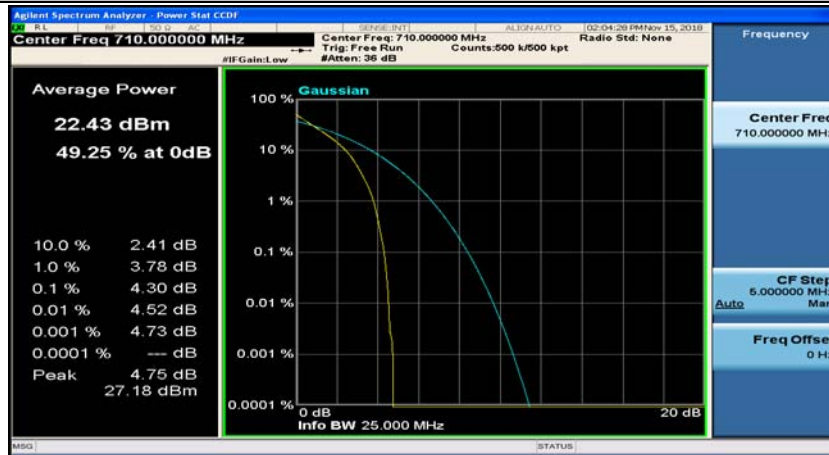
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



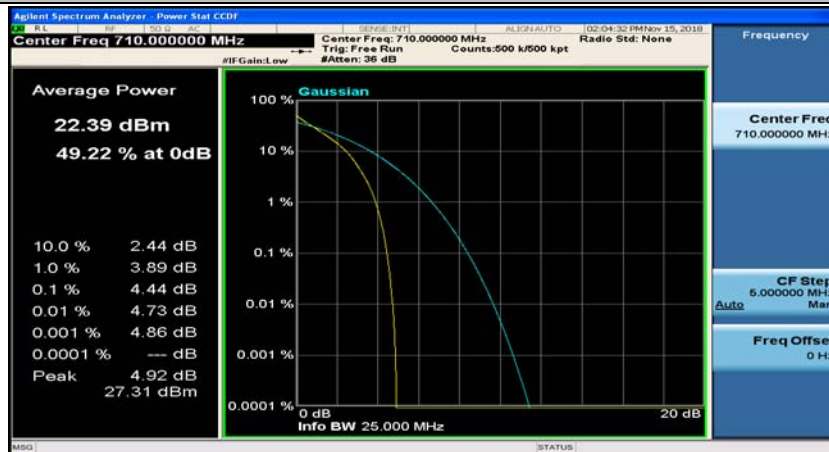
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



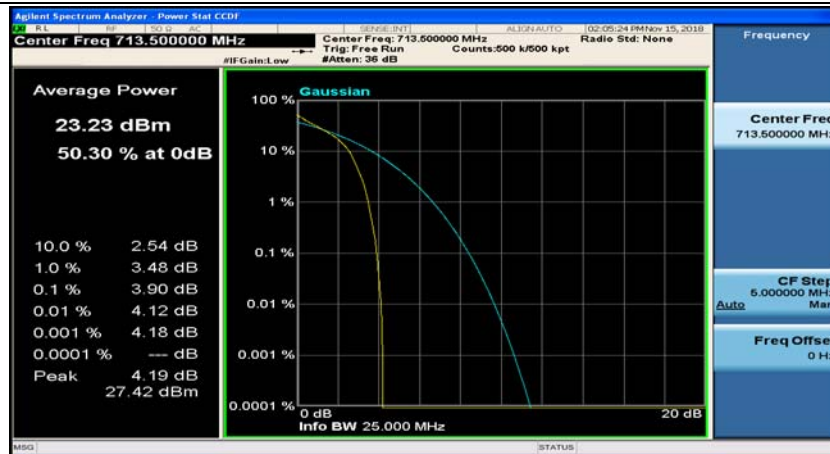
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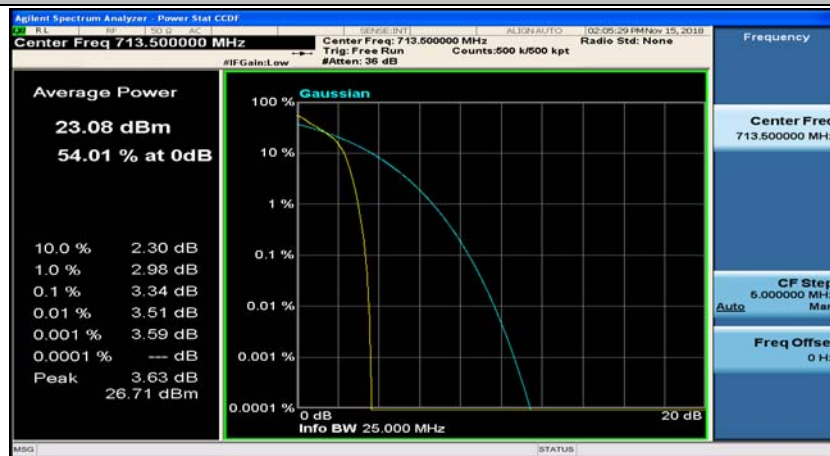
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



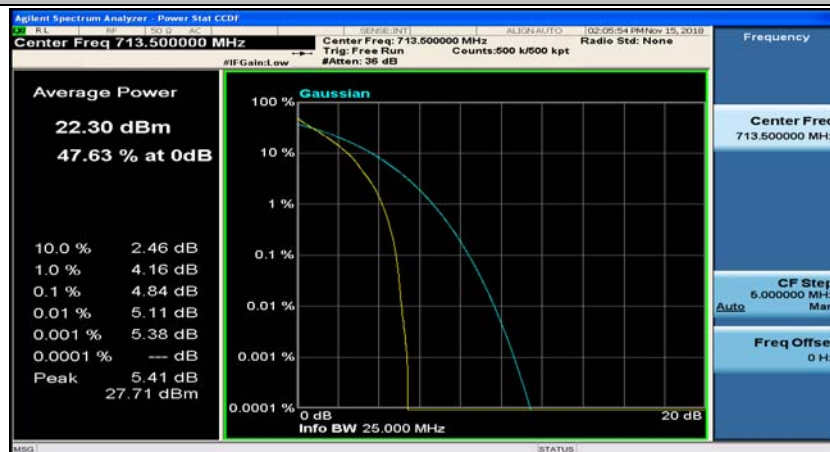
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



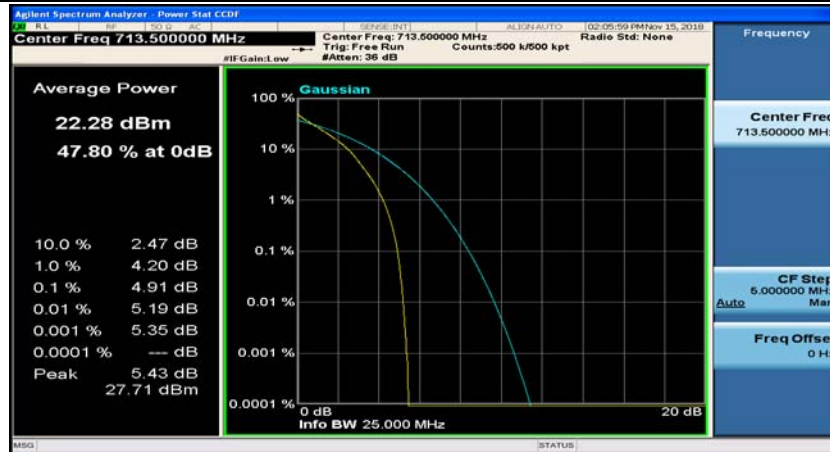
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



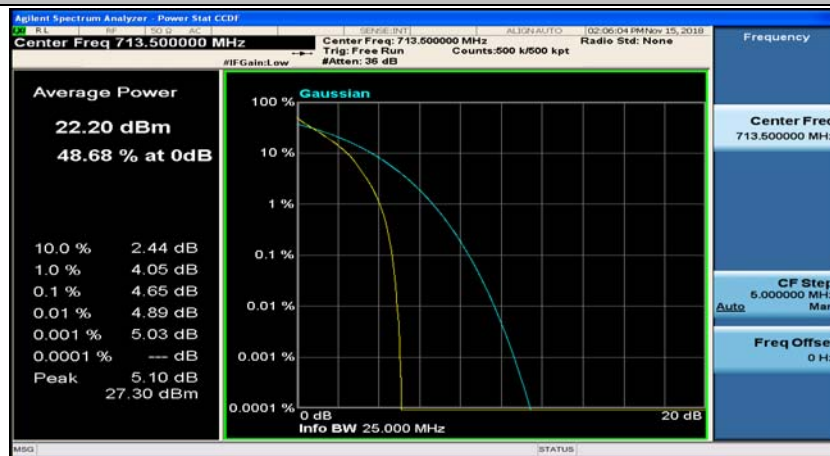
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



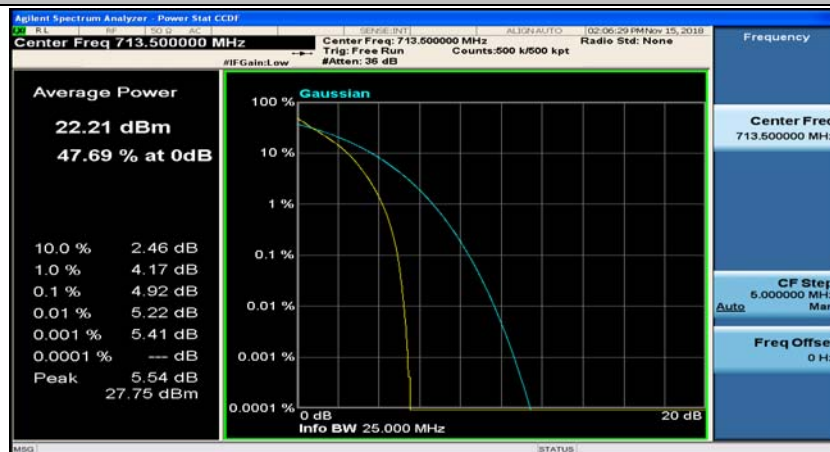
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



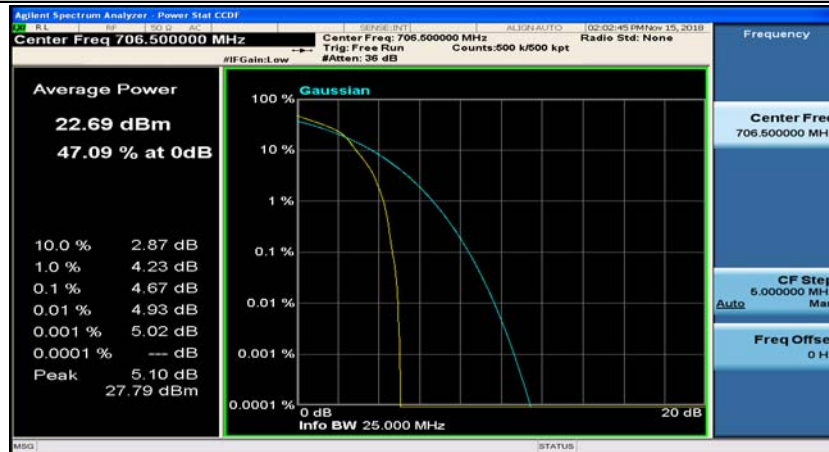
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



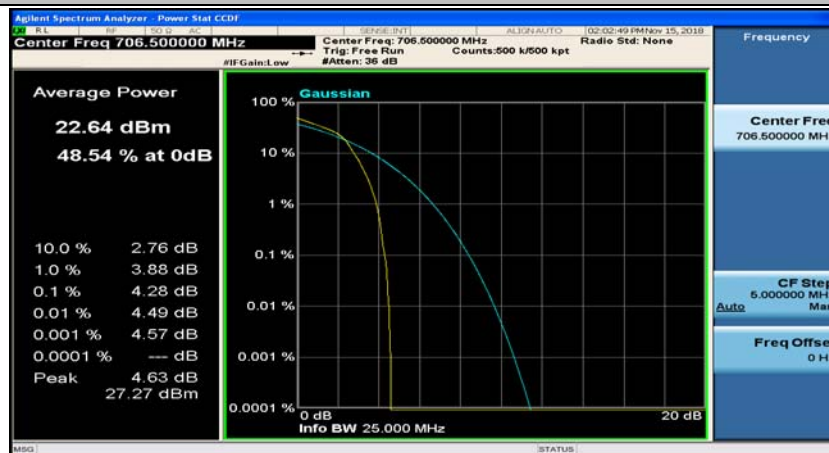
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



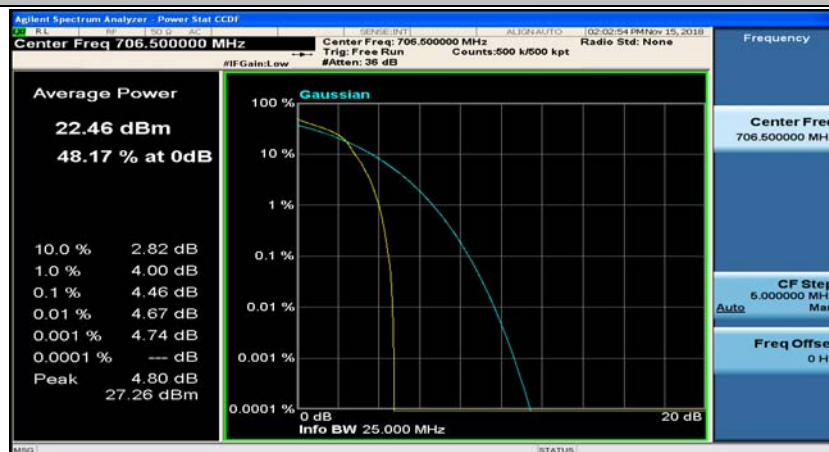
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



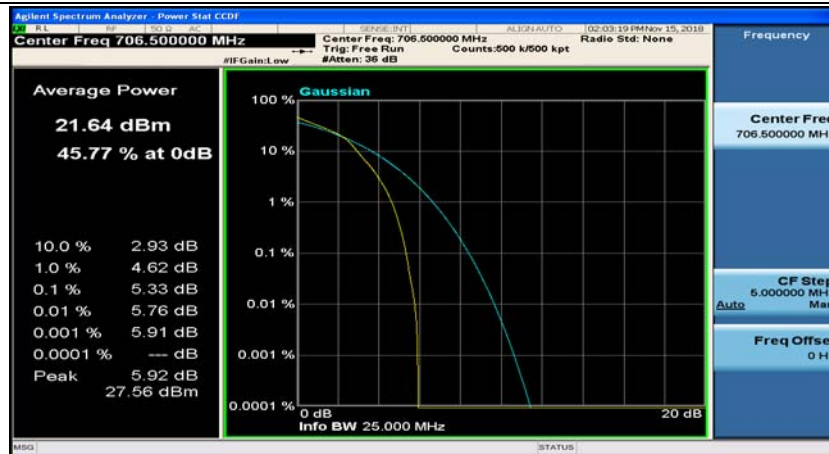
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



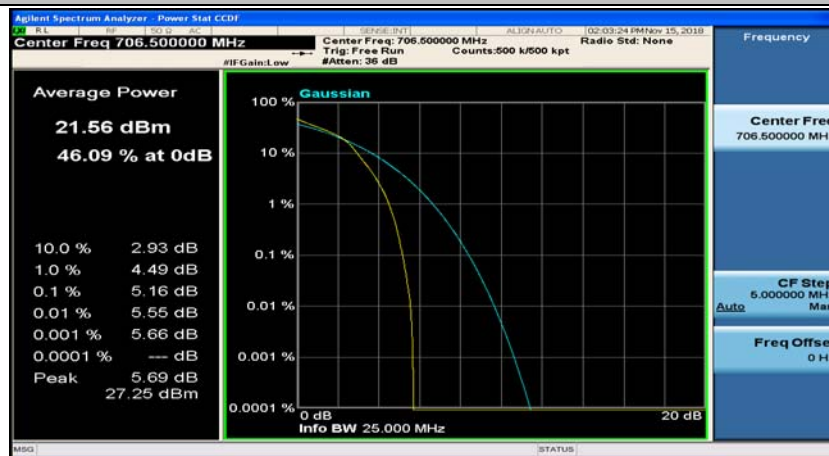
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



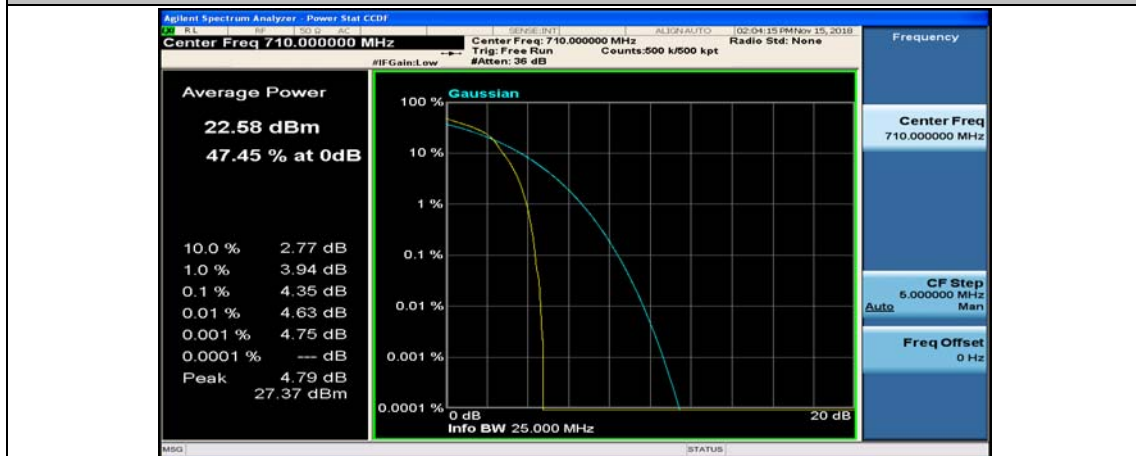
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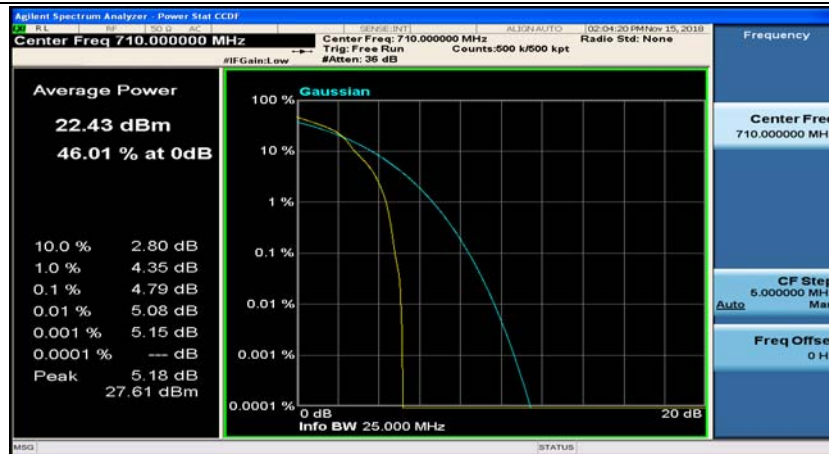
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



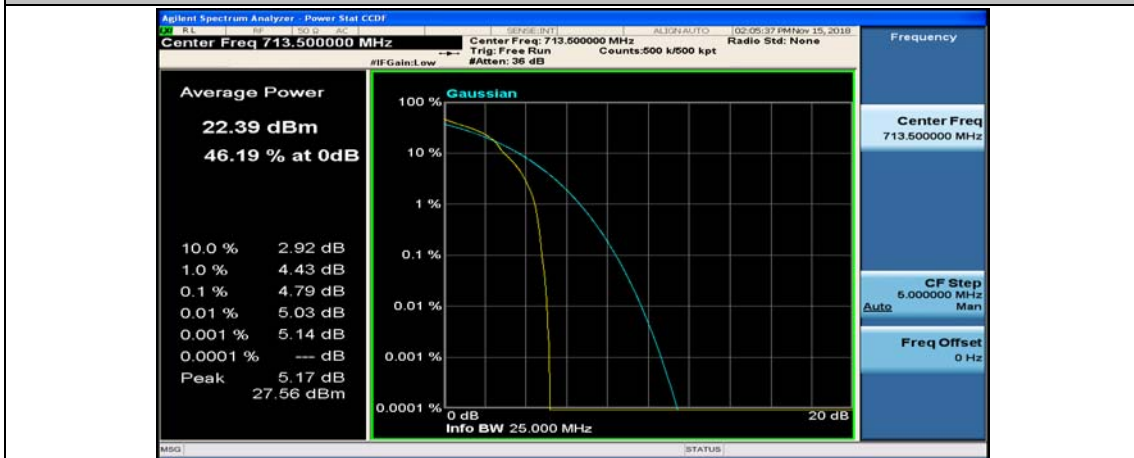
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



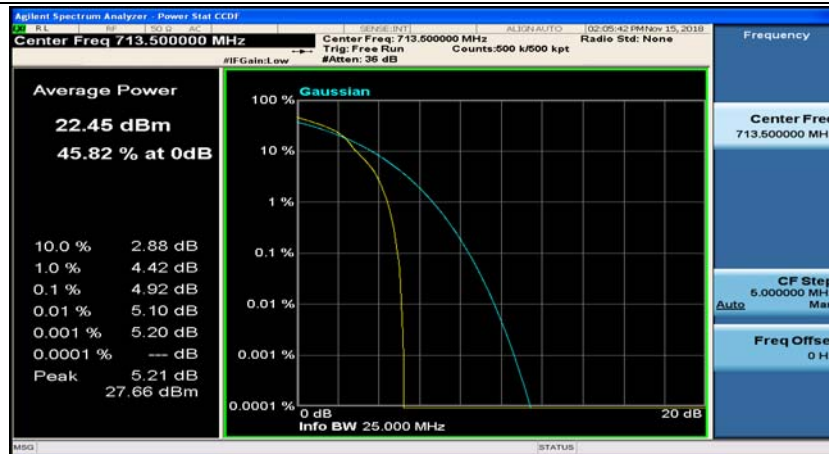
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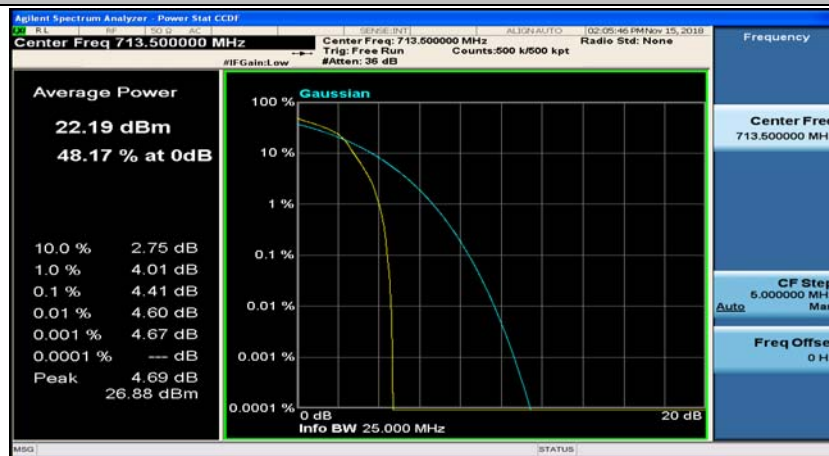
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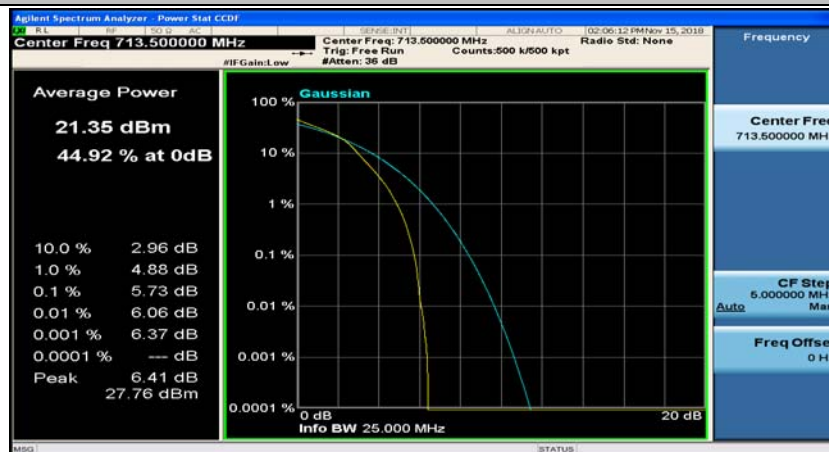
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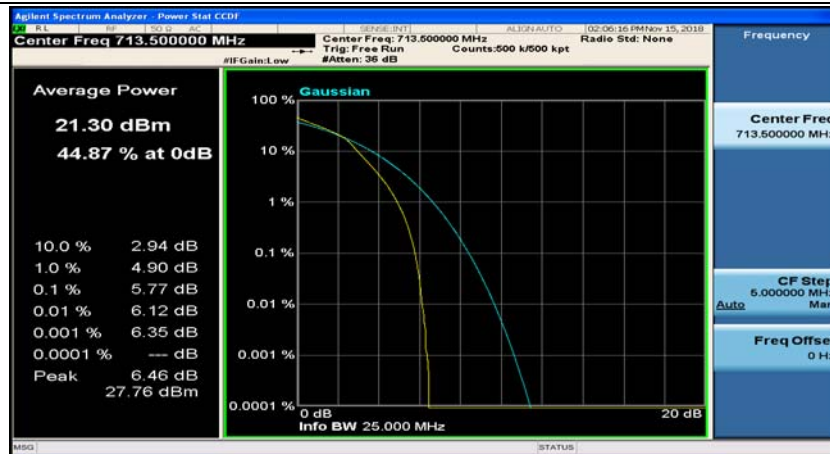
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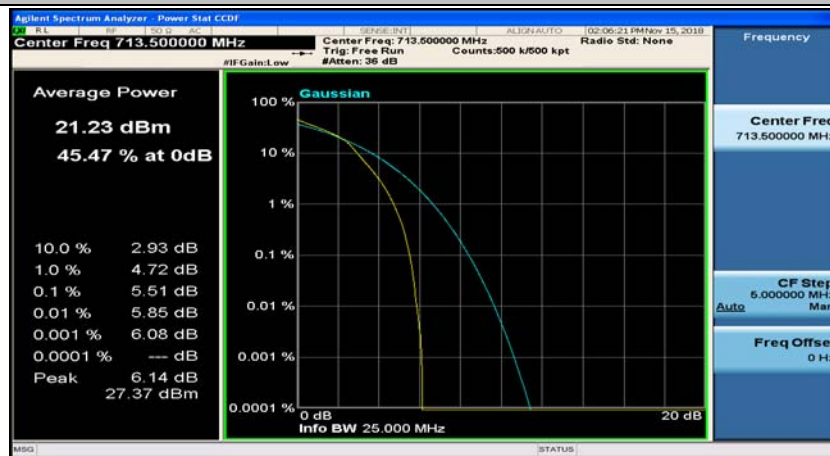
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



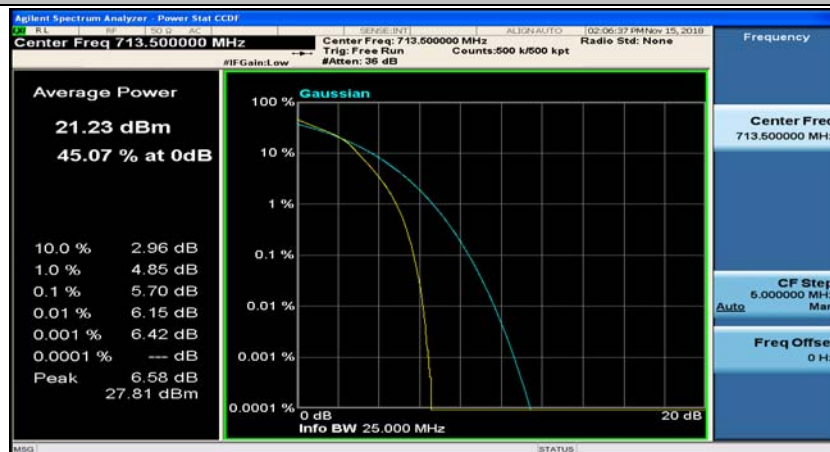
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



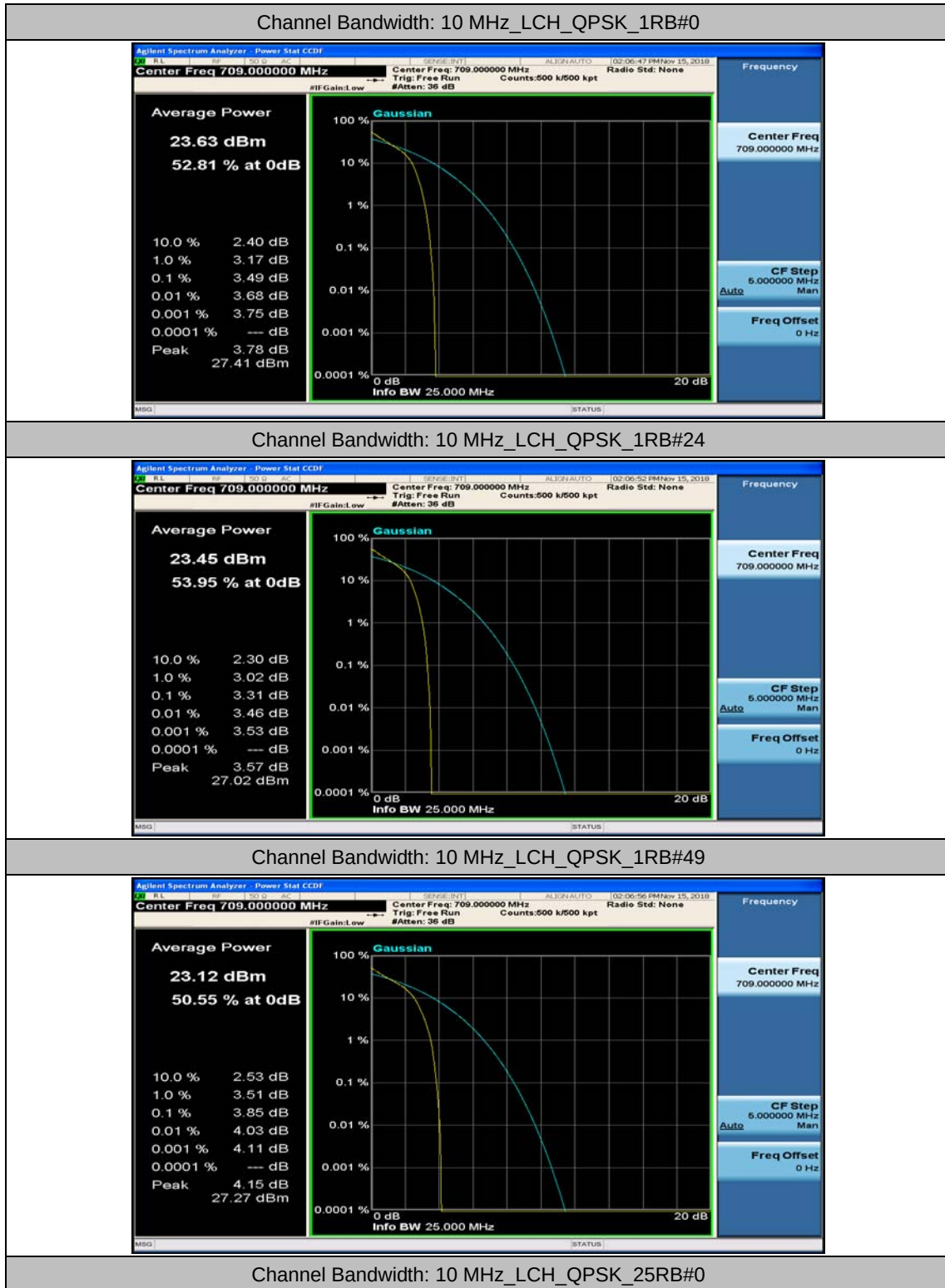
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

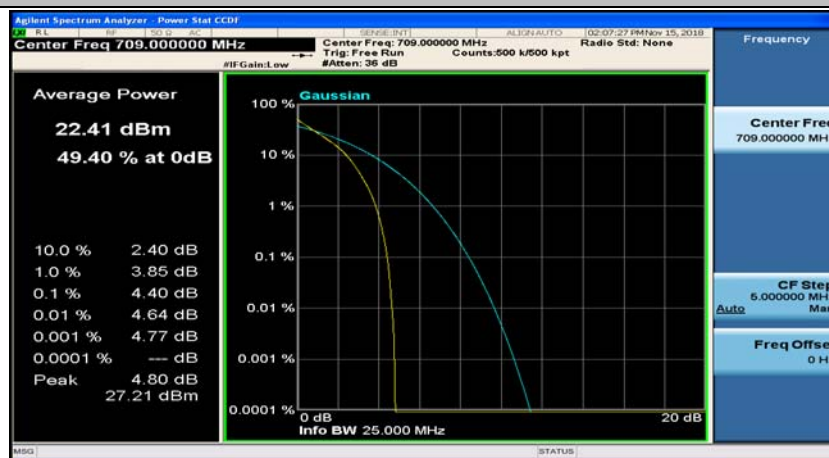
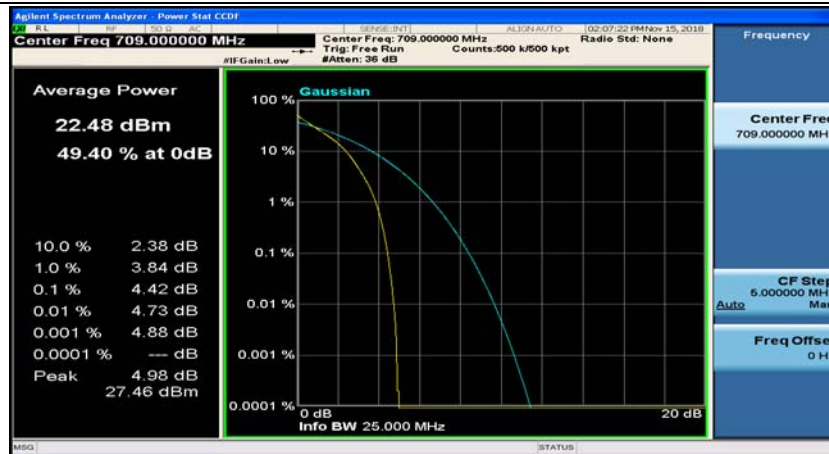


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



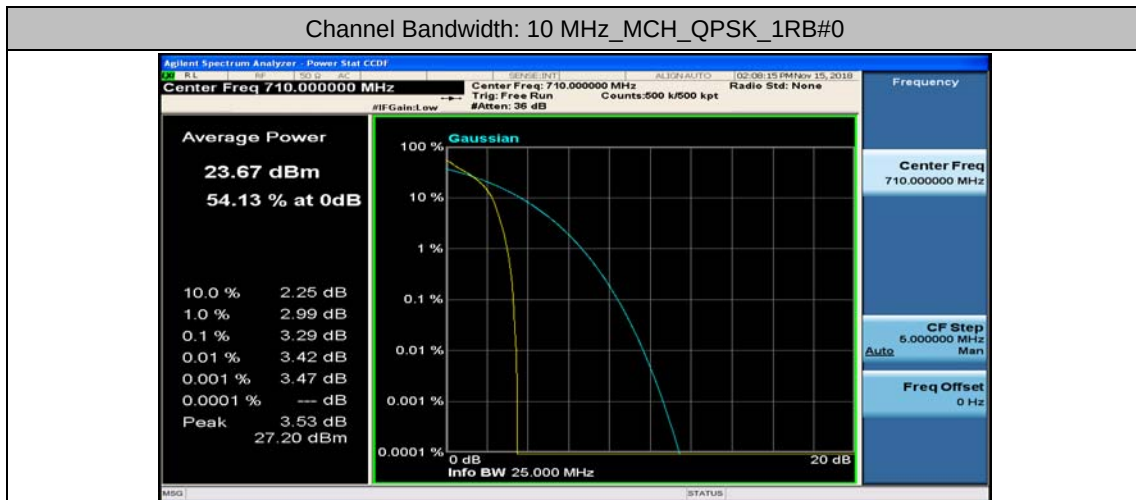
Channel Bandwidth: 10 MHz







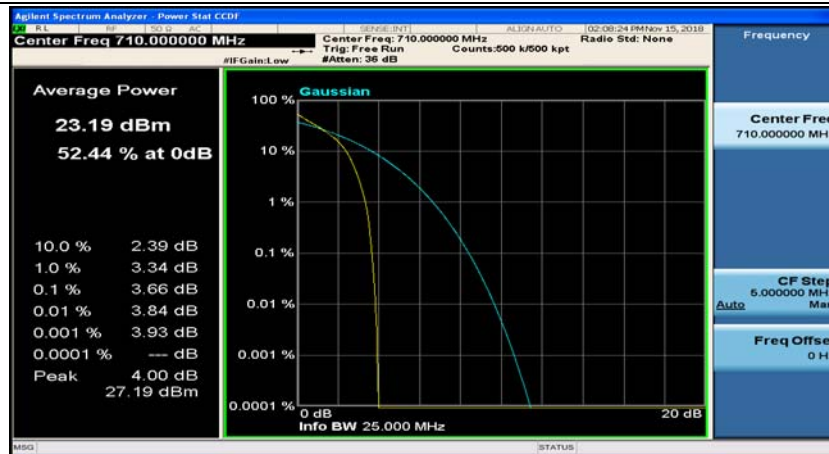
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



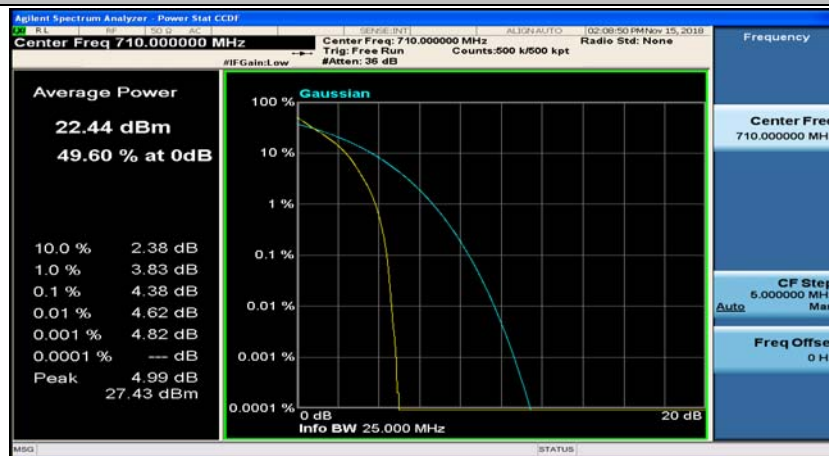
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



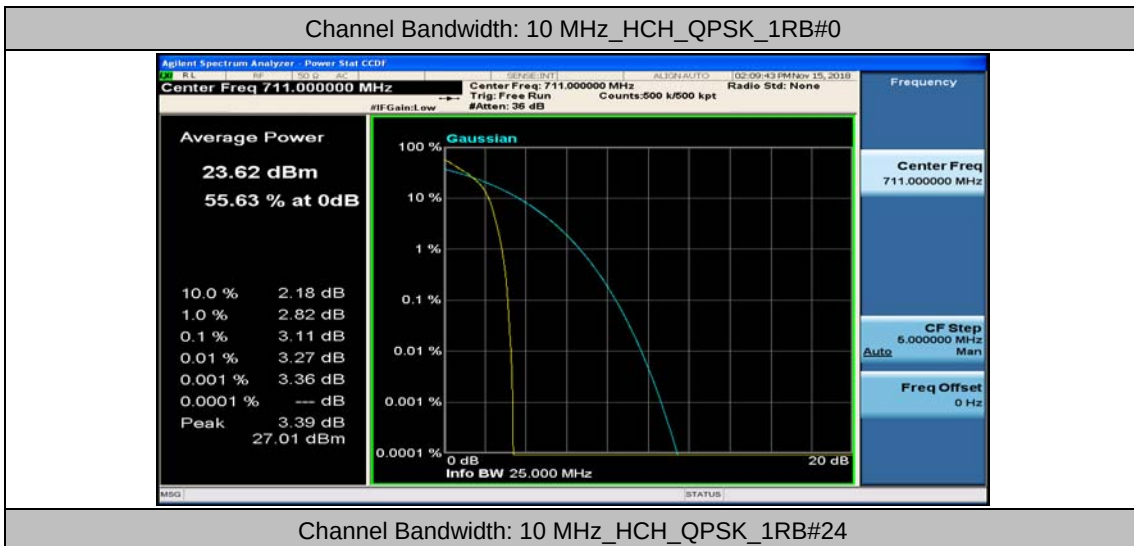
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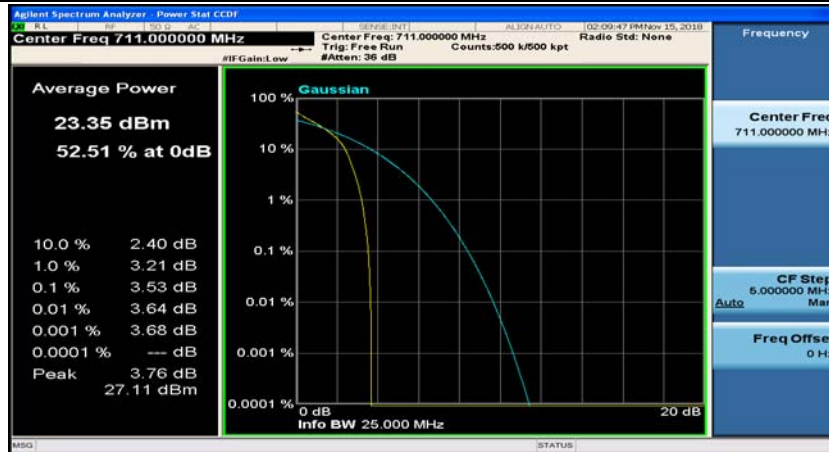


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

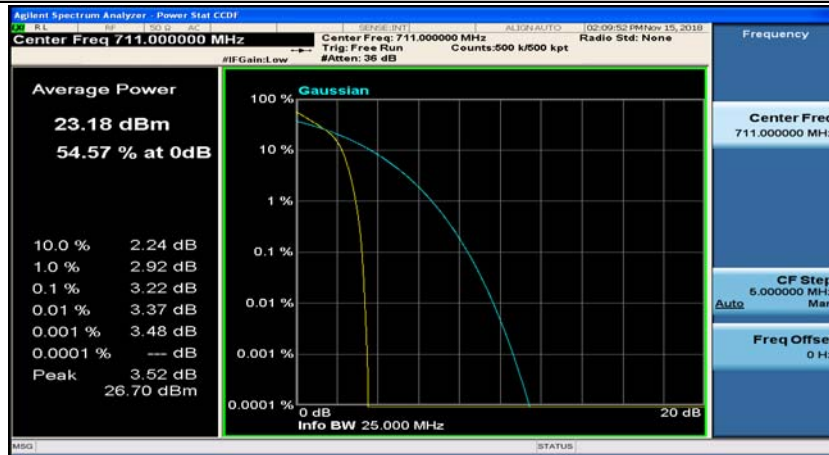


Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

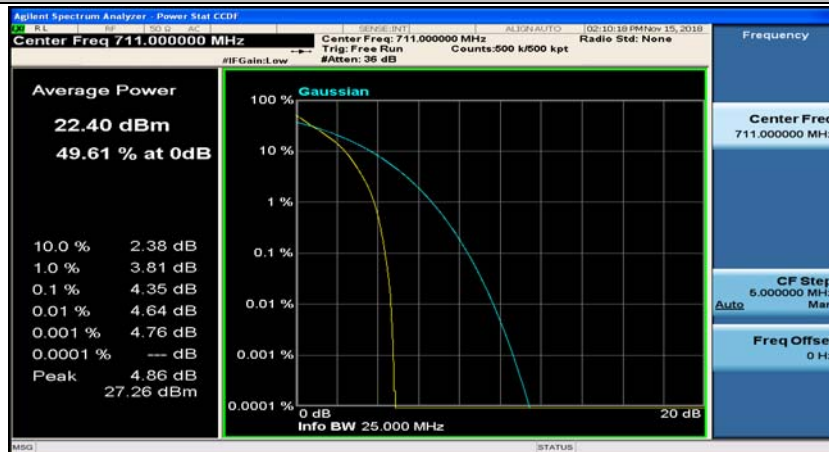




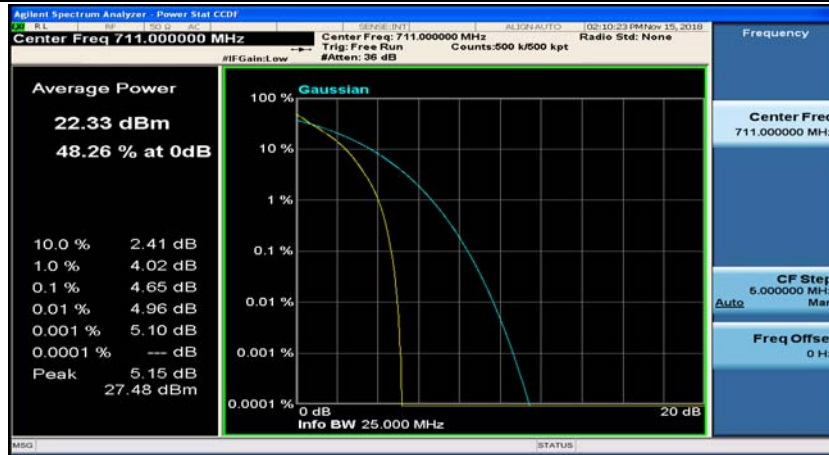
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



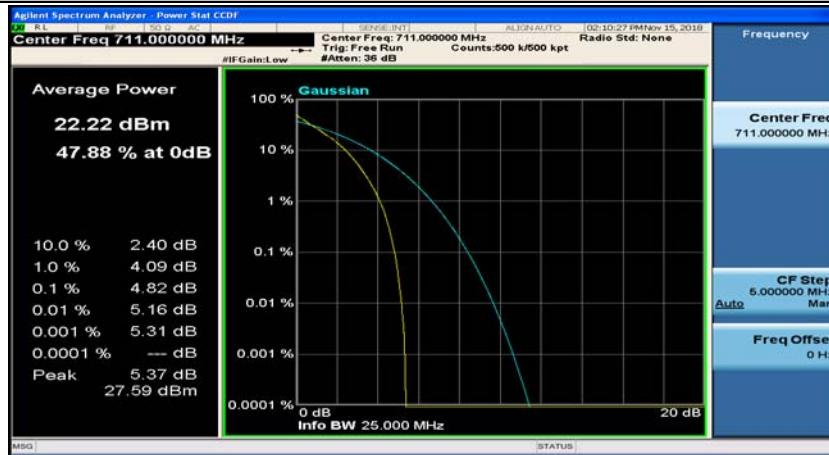
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



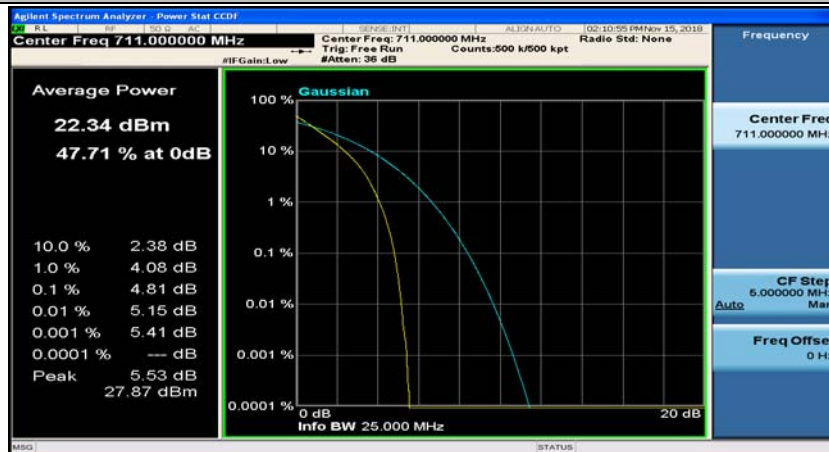
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



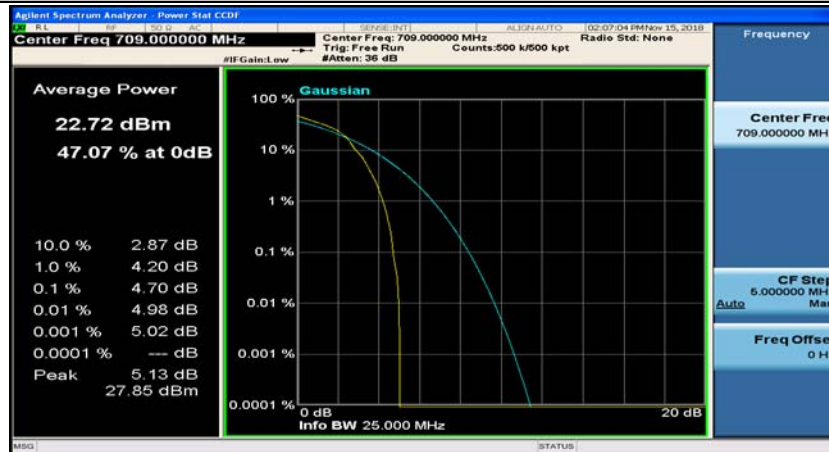
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



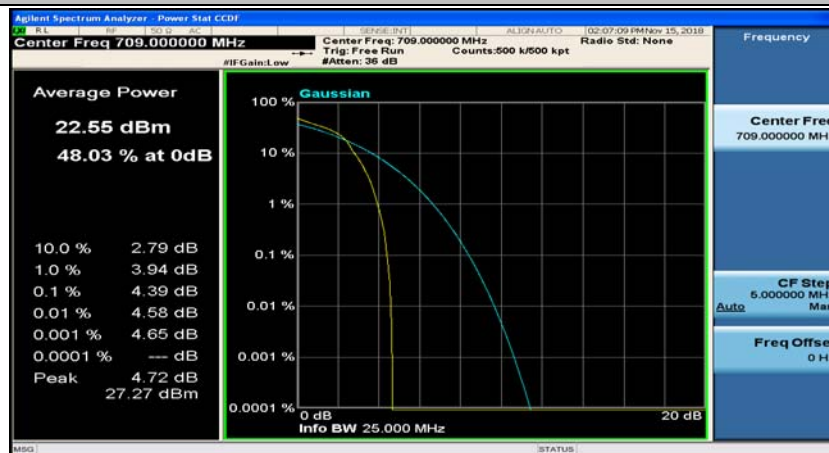
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



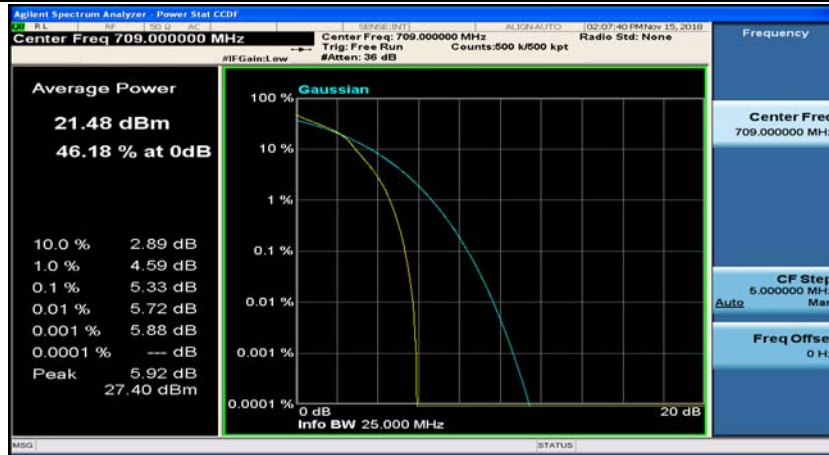
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

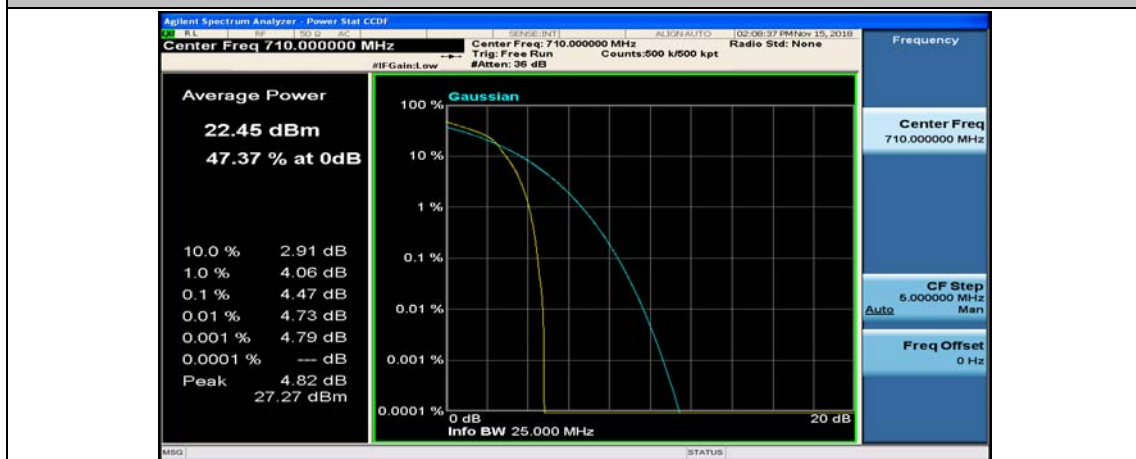




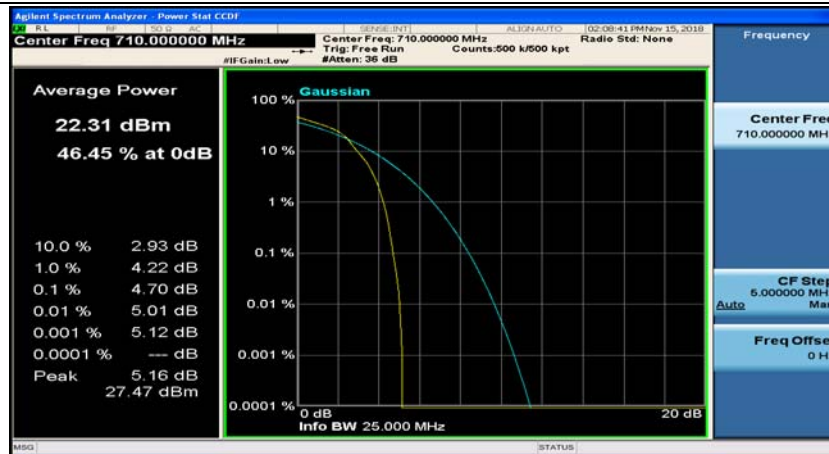
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



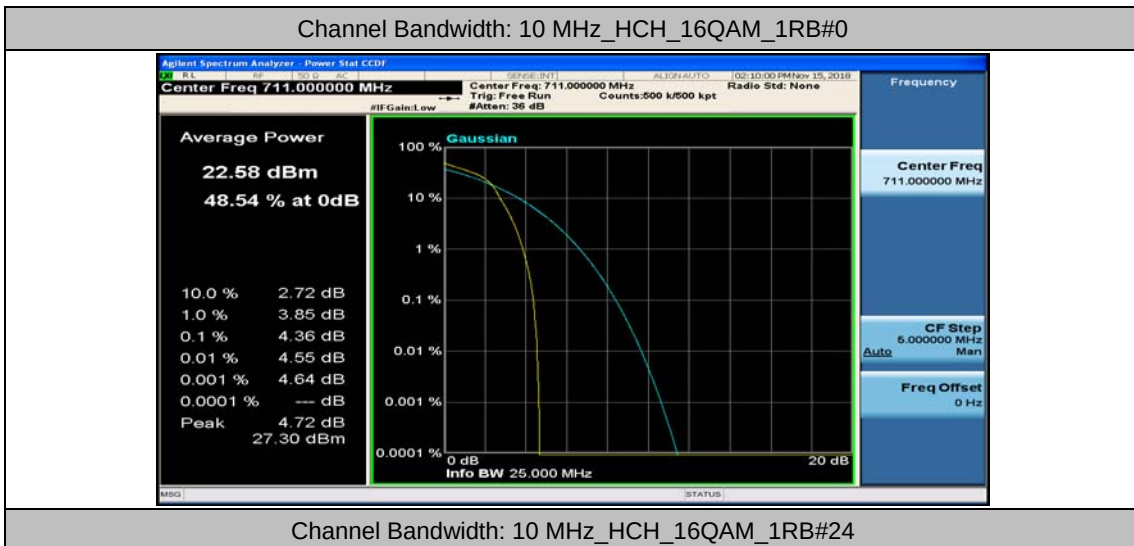
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

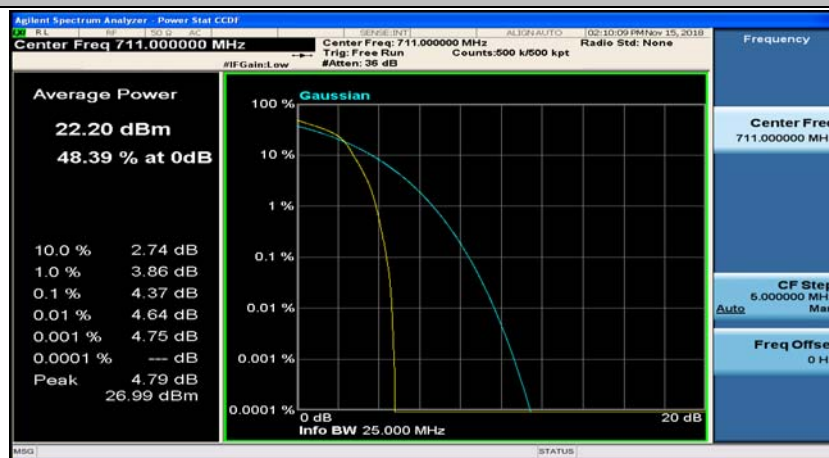
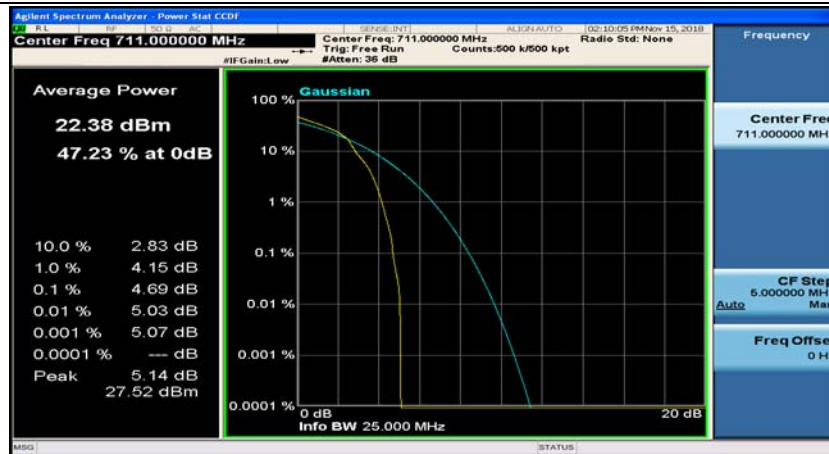


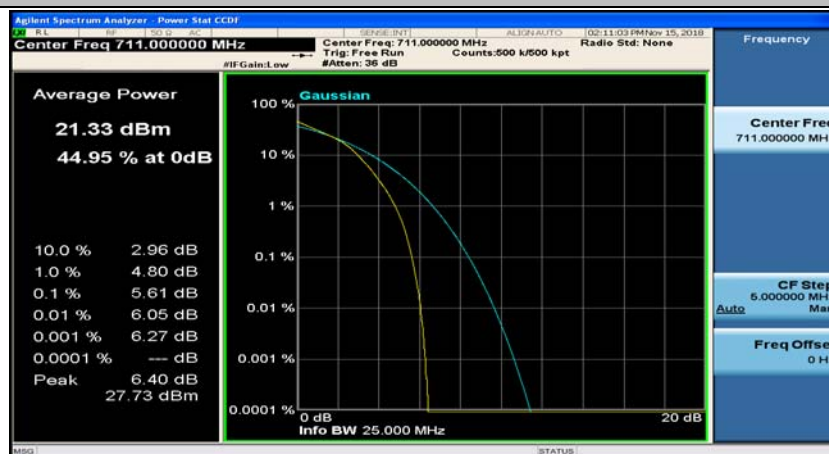
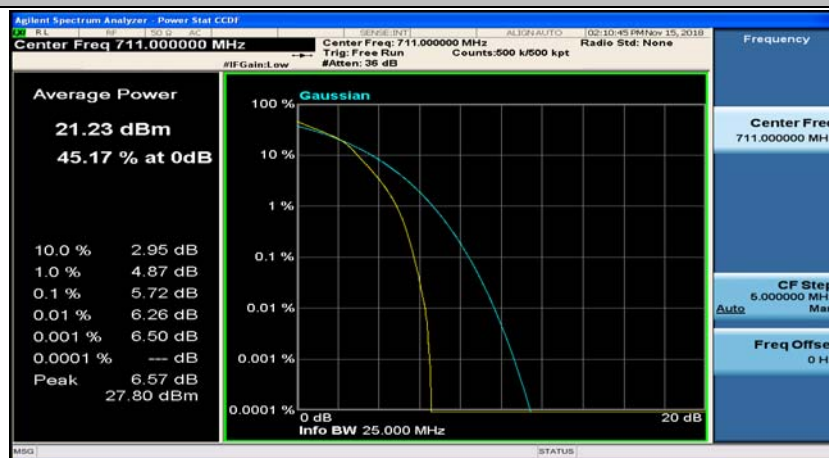
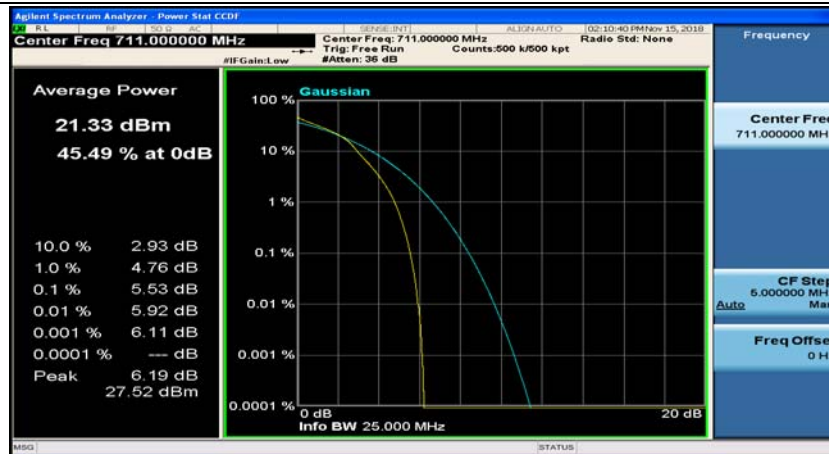
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25







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	4.4769	4.815	PASS
	MCH	25	0	4.4842	4.858	PASS
	HCH	25	0	4.4831	4.854	PASS
16QAM	LCH	25	0	4.4798	4.750	PASS
	MCH	25	0	4.4744	4.826	PASS
	HCH	25	0	4.4863	4.769	PASS

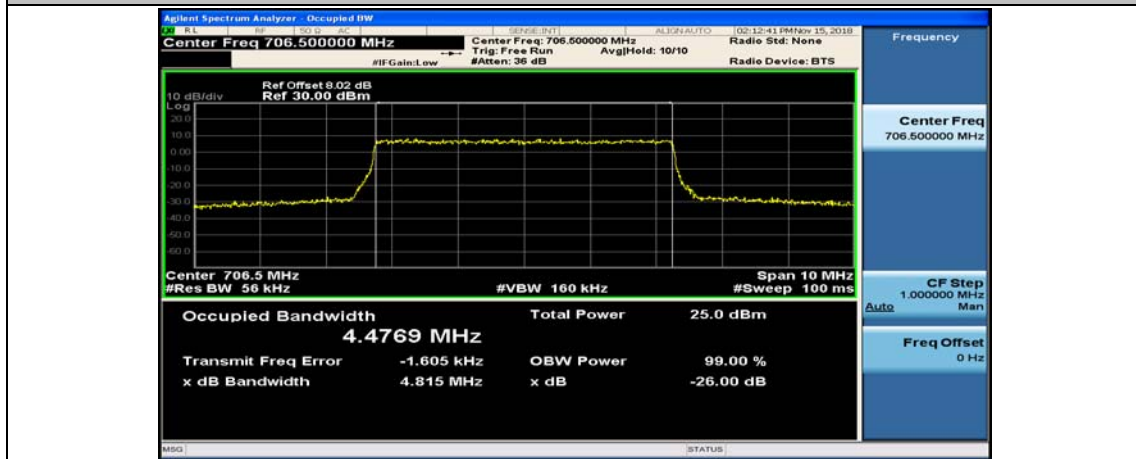
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9341	9.473	PASS
	MCH	50	0	8.9297	9.496	PASS
	HCH	50	0	8.9331	9.451	PASS
16QAM	LCH	50	0	8.9291	9.439	PASS
	MCH	50	0	8.9440	9.452	PASS
	HCH	50	0	8.9295	9.473	PASS

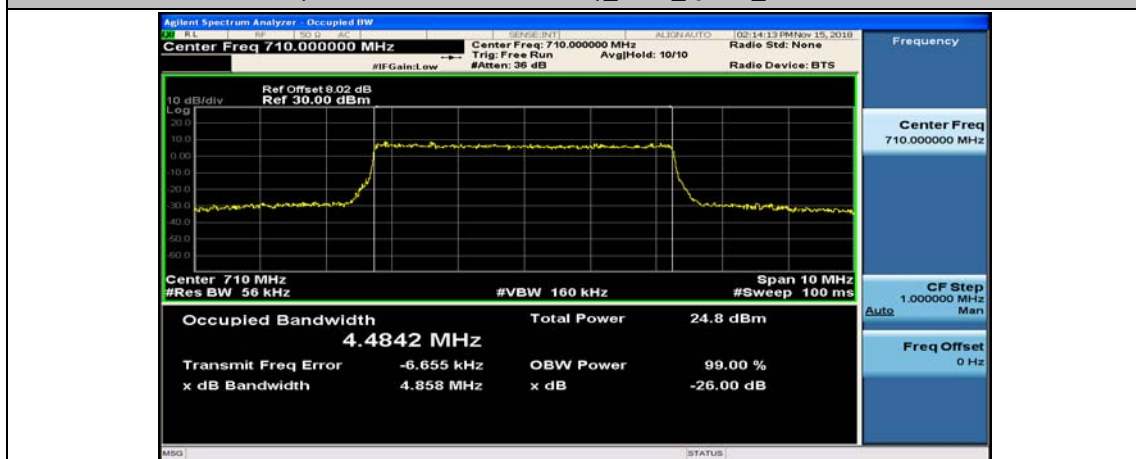
Test Graphs

Channel Bandwidth: 5 MHz

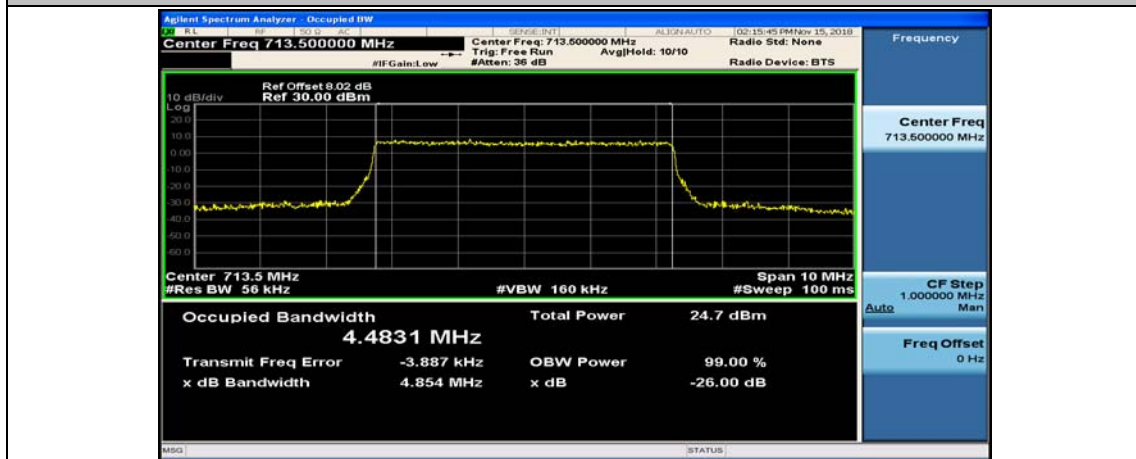
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



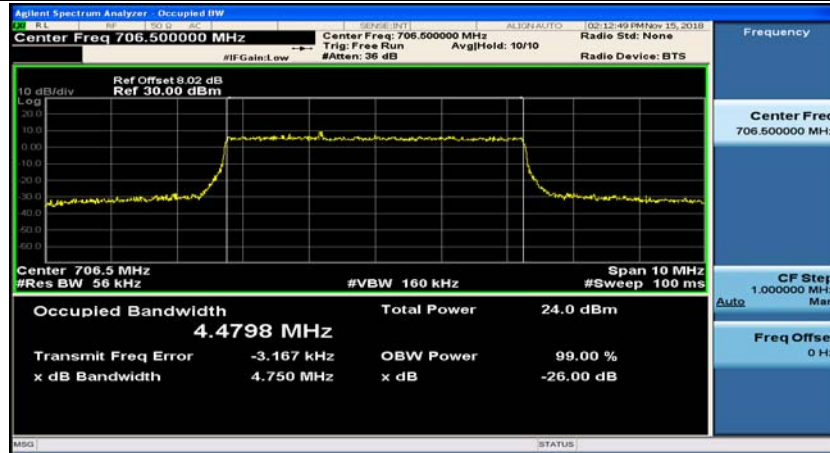
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



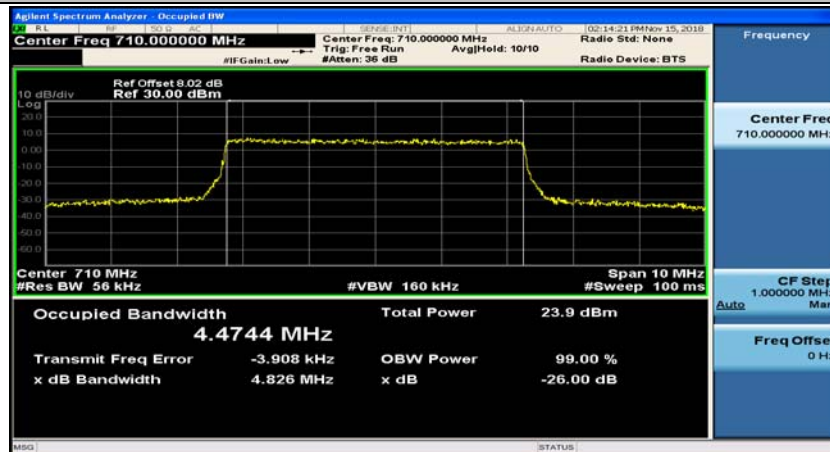
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



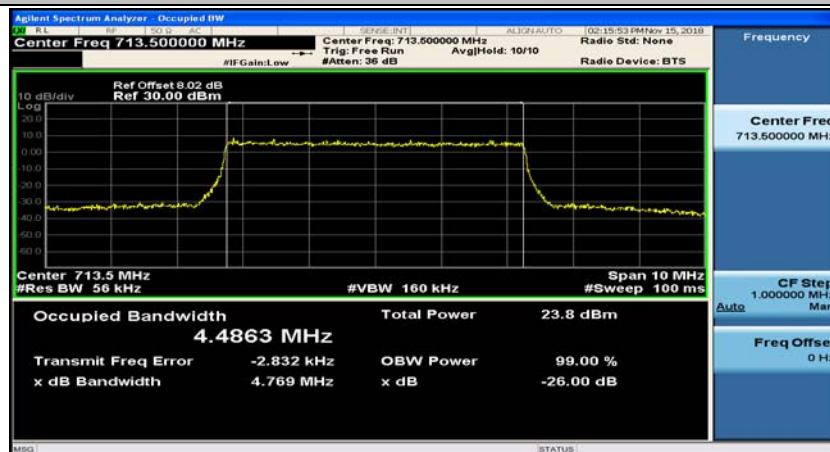
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

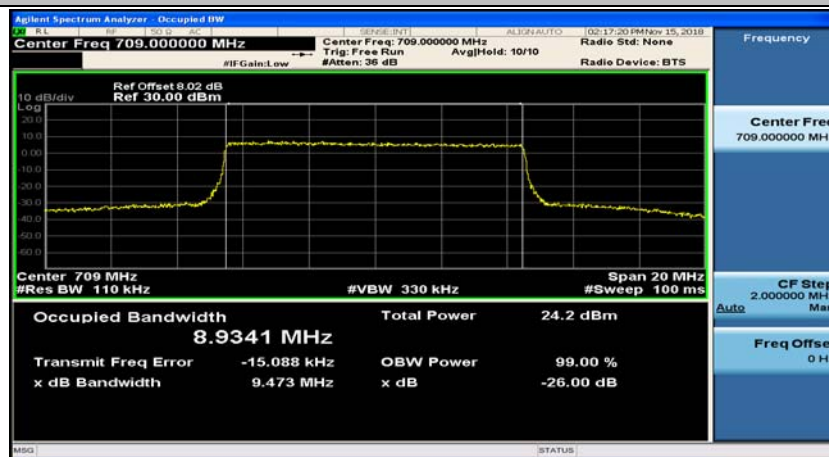


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

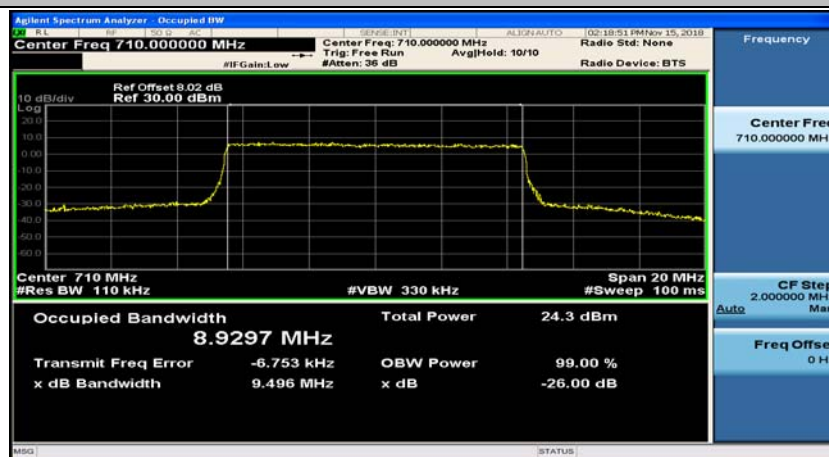


Channel Bandwidth: 10 MHz

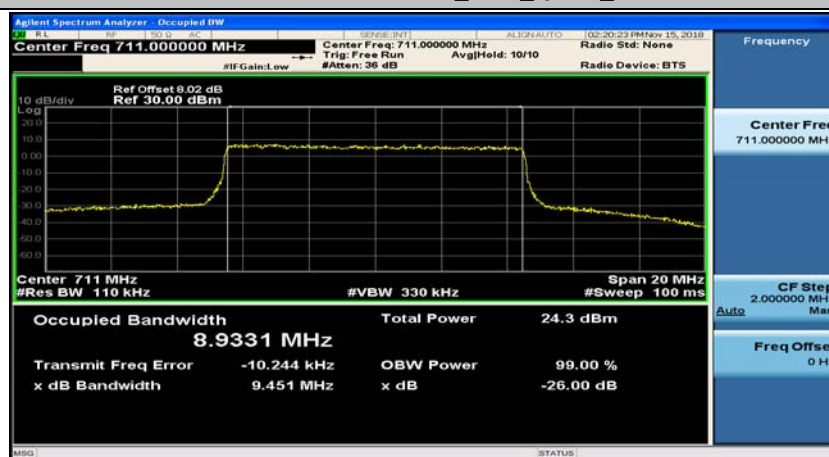
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



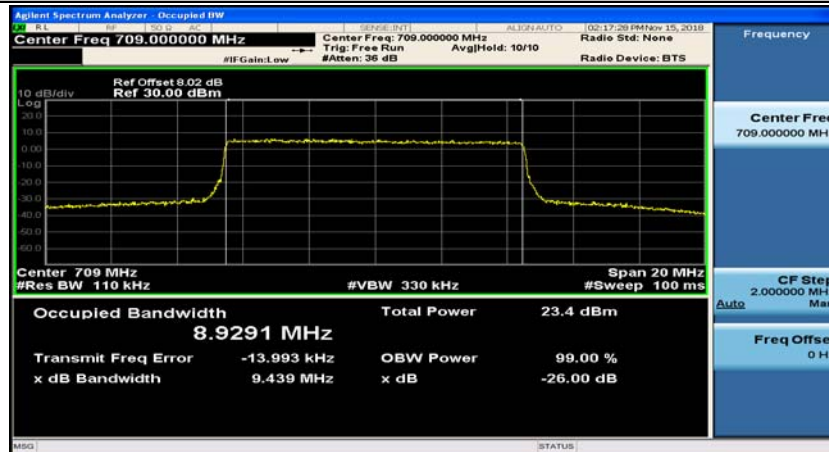
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



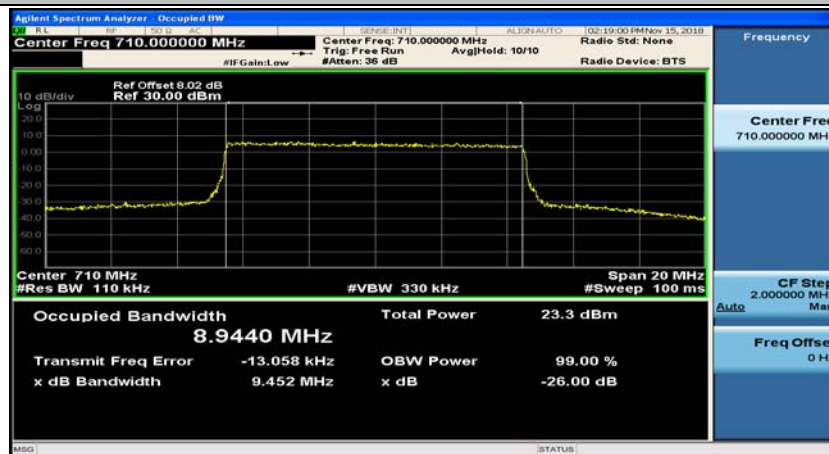
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



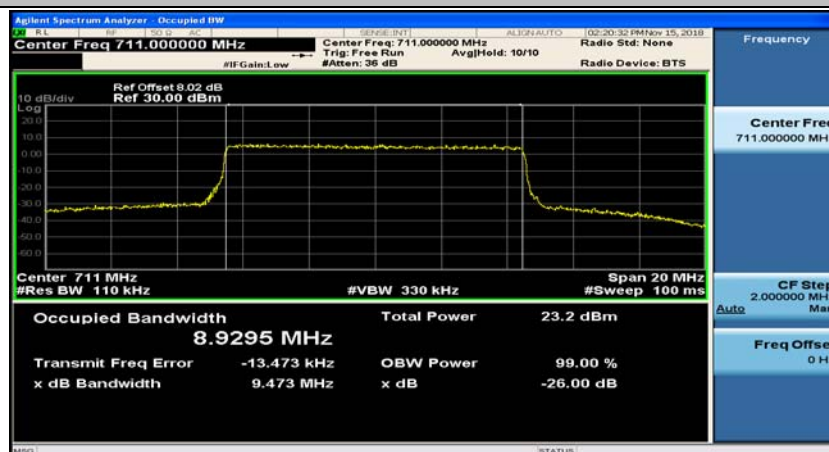
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

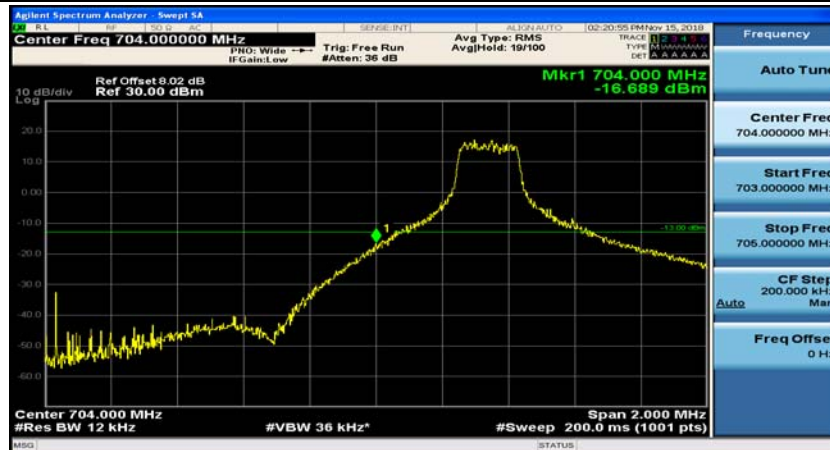


Appendix D: Band Edge

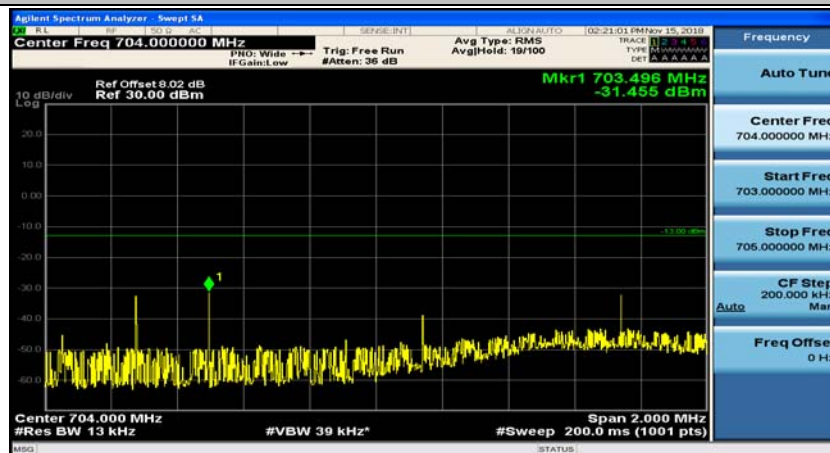
Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



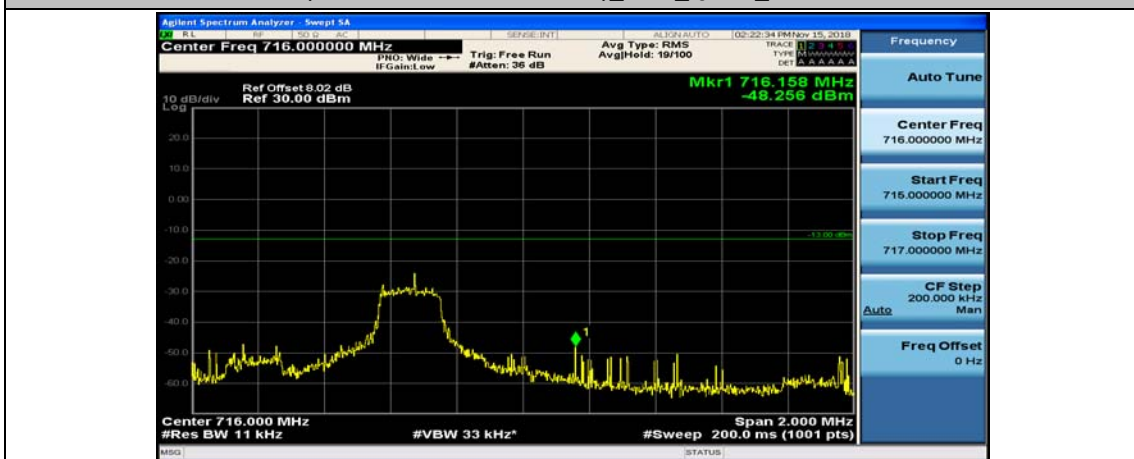
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



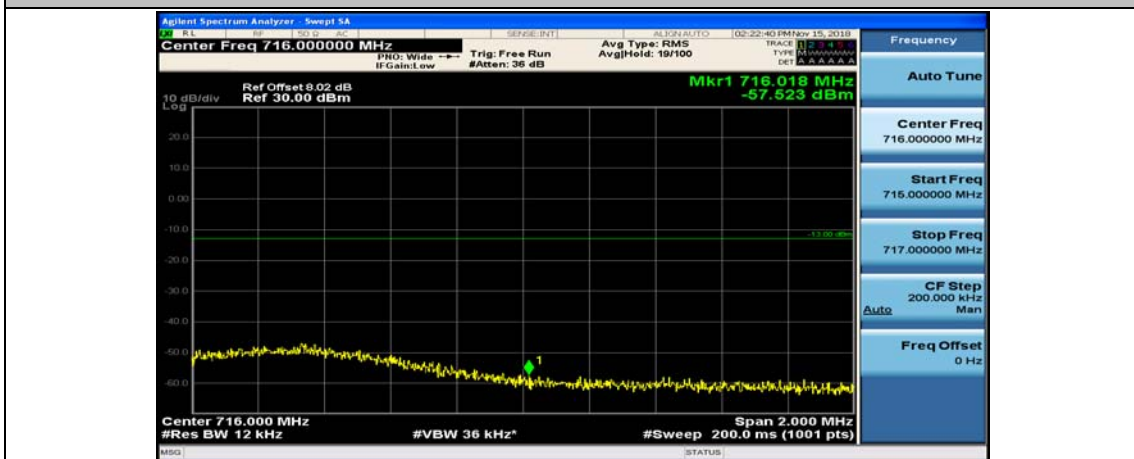
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



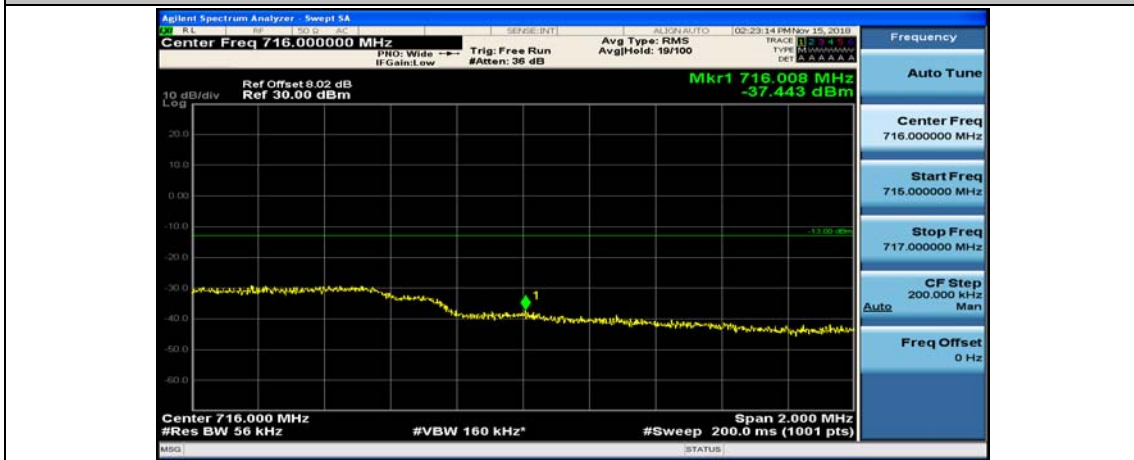
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



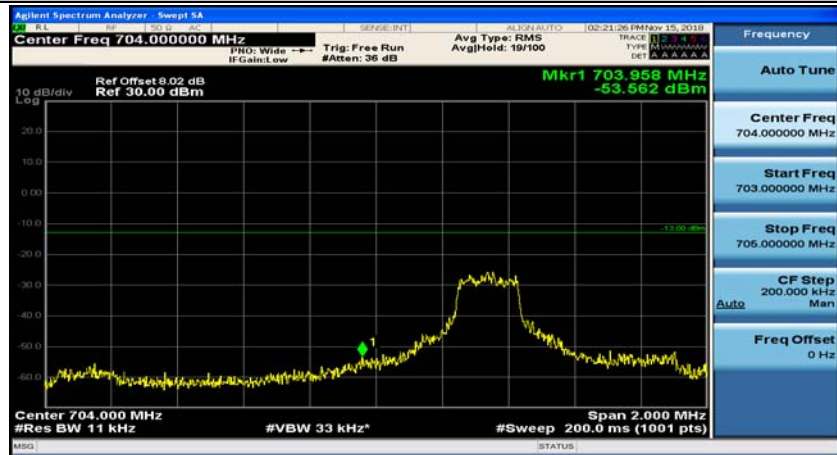
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



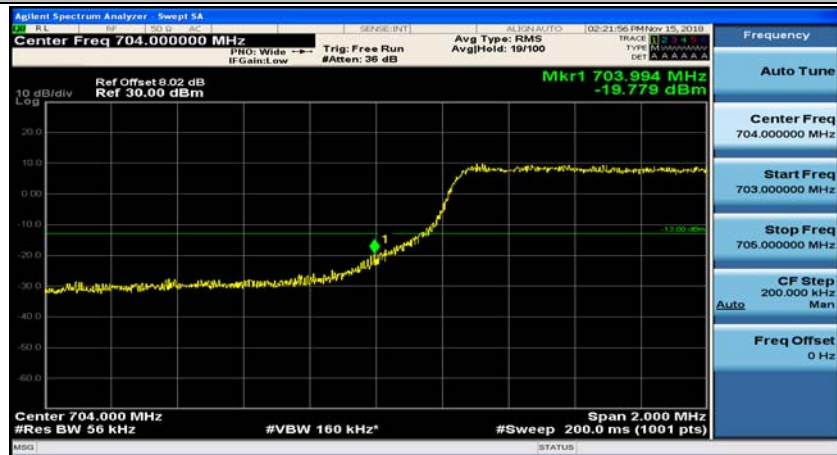
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6