

Appendix for Band 30

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	23.88	PASS
		1	24	23.55	PASS
		12	0	22.53	PASS
		12	6	22.62	PASS
		12	13	22.57	PASS
		25	0	22.53	PASS
	MCH	1	0	23.65	PASS
		1	12	23.95	PASS
		1	24	23.54	PASS
		12	0	22.64	PASS
		12	6	22.65	PASS
		12	13	22.62	PASS
		25	0	22.52	PASS
	HCH	1	0	23.58	PASS
		1	12	23.88	PASS
		1	24	23.42	PASS
		12	0	22.42	PASS
		12	6	22.46	PASS
		12	13	22.39	PASS
		25	0	22.39	PASS
16QAM	LCH	1	0	22.73	PASS
		1	12	22.96	PASS
		1	24	22.60	PASS
		12	0	21.55	PASS
		12	6	21.62	PASS
		12	13	21.57	PASS
		25	0	21.55	PASS
	MCH	1	0	22.80	PASS
		1	12	22.85	PASS
		1	24	22.68	PASS
		12	0	21.53	PASS

		12	6	21.53	PASS
		12	13	21.46	PASS
		25	0	21.38	PASS
	HCH	1	0	22.66	PASS
		1	12	22.90	PASS
		1	24	22.50	PASS
		12	0	21.36	PASS
		12	6	21.37	PASS
		12	13	21.30	PASS
		25	0	21.37	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	MCH	1	0	23.89	PASS
		1	24	23.65	PASS
		1	49	23.40	PASS
		25	0	22.49	PASS
		25	12	22.48	PASS
		25	25	22.44	PASS
		50	0	22.40	PASS
16QAM	MCH	1	0	22.75	PASS
		1	24	22.72	PASS
		1	49	22.51	PASS
		25	0	21.46	PASS
		25	12	21.43	PASS
		25	25	21.39	PASS
		50	0	21.40	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	8.17	<13	PASS
		1	12	6.06	<13	PASS
		1	24	6.92	<13	PASS
		12	0	8.34	<13	PASS
		12	6	8.53	<13	PASS
		12	13	10.22	<13	PASS
		25	0	6.71	<13	PASS
	MCH	1	0	8.79	<13	PASS
		1	12	9.35	<13	PASS
		1	24	7.3	<13	PASS
		12	0	6.96	<13	PASS
		12	6	8.49	<13	PASS
		12	13	8.44	<13	PASS
		25	0	6.82	<13	PASS
	HCH	1	0	9.63	<13	PASS
		1	12	5.05	<13	PASS
		1	24	6.66	<13	PASS
		12	0	8.57	<13	PASS
		12	6	8.19	<13	PASS
		12	13	6.99	<13	PASS
		25	0	8.71	<13	PASS
16QAM	LCH	1	0	7.36	<13	PASS
		1	12	9.02	<13	PASS
		1	24	8.51	<13	PASS
		12	0	8.31	<13	PASS
		12	6	7.36	<13	PASS
		12	13	8.55	<13	PASS
		25	0	7.27	<13	PASS
	MCH	1	0	7.85	<13	PASS
		1	12	7.52	<13	PASS
		1	24	5.93	<13	PASS
		12	0	8.16	<13	PASS

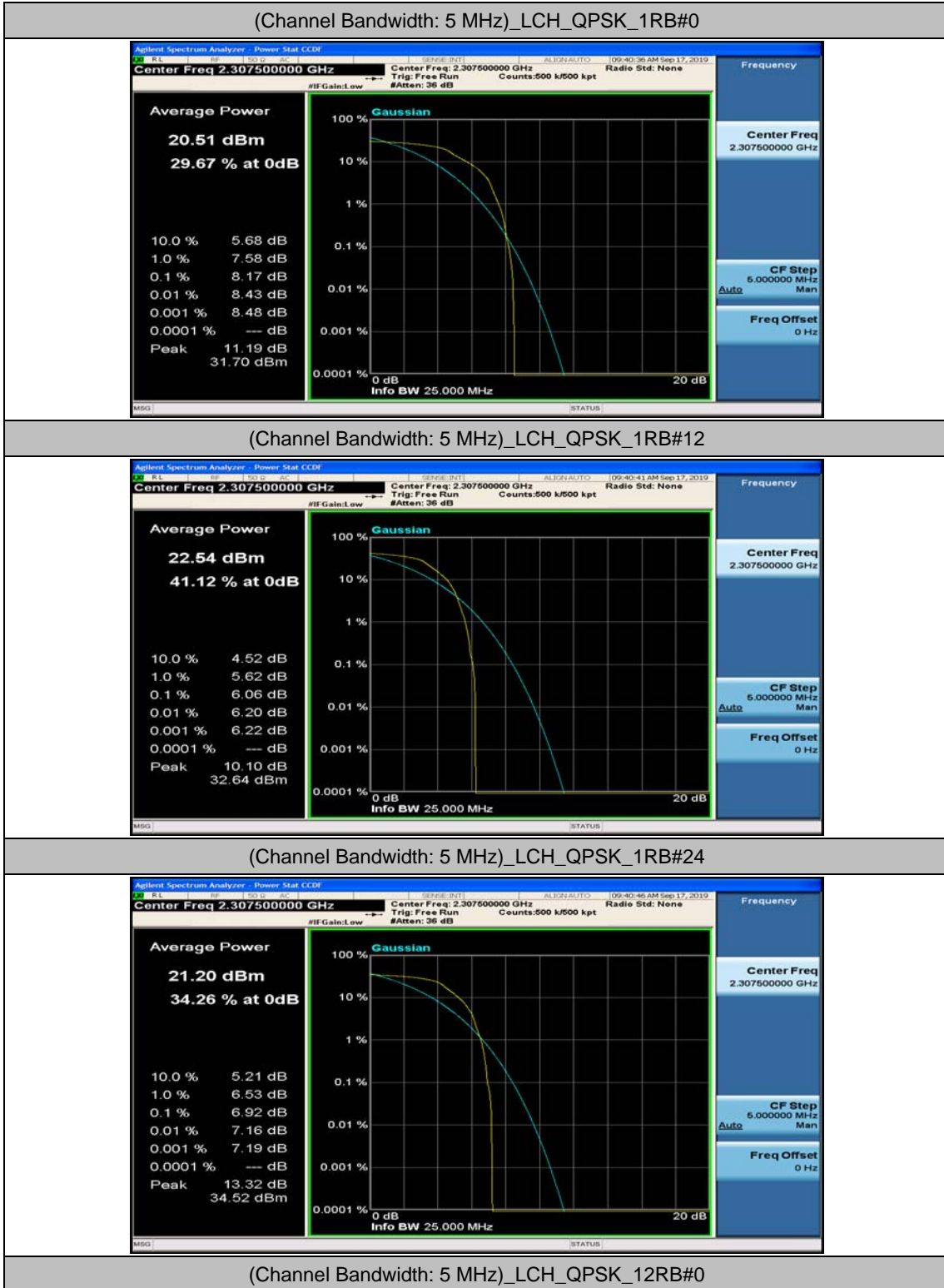
		12	6	12.04	<13	PASS
		12	13	9.42	<13	PASS
		25	0	8.59	<13	PASS
	HCH	1	0	7.29	<13	PASS
		1	12	6.92	<13	PASS
		1	24	7.45	<13	PASS
		12	0	8.49	<13	PASS
		12	6	8.8	<13	PASS
		12	13	7.36	<13	PASS
		25	0	8.24	<13	PASS

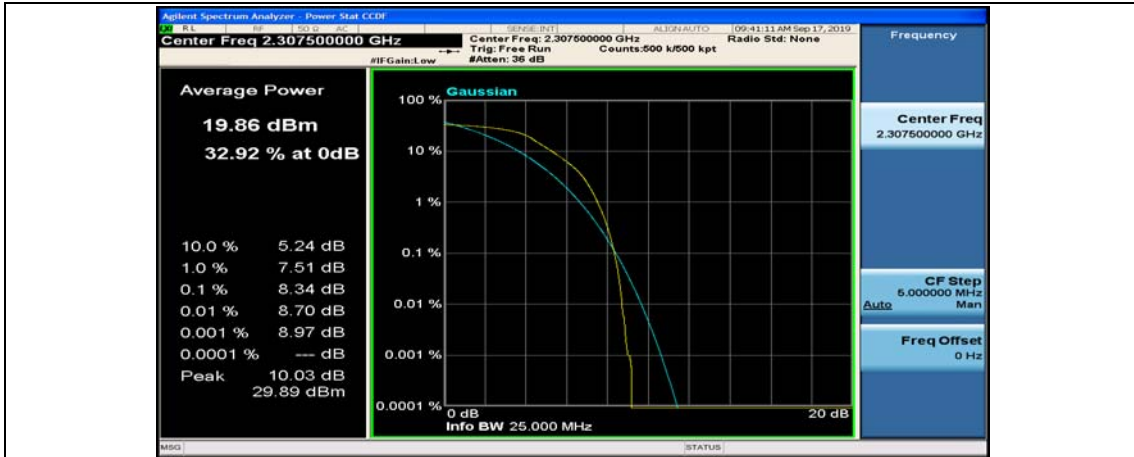
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	MCH	1	0	6.94	<13	PASS
		1	24	7.24	<13	PASS
		1	49	7.16	<13	PASS
		25	12	8.72	<13	PASS
		25	25	6.78	<13	PASS
		50	0	7.39	<13	PASS
		1	0	6.94	<13	PASS
16QAM	MCH	1	0	7.52	<13	PASS
		1	24	8.05	<13	PASS
		1	49	7.6	<13	PASS
		25	0	12.8	<13	PASS
		25	12	9.07	<13	PASS
		25	25	8.43	<13	PASS
		50	0	9.15	<13	PASS
		25	25	8.45	<13	PASS
		50	0	11.24	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz





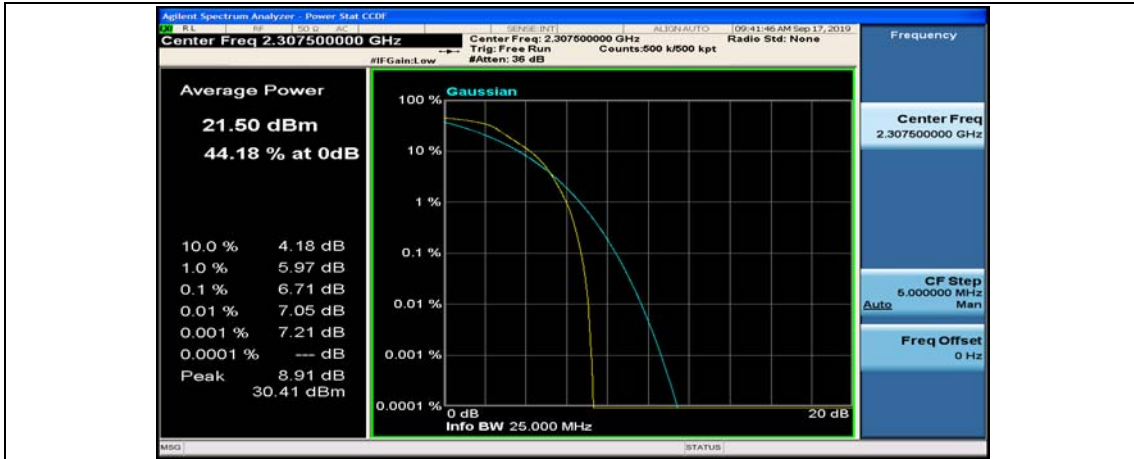
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



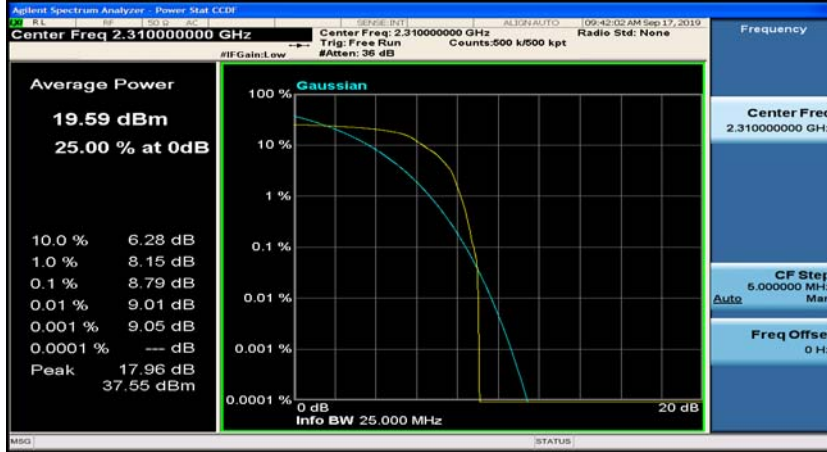
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



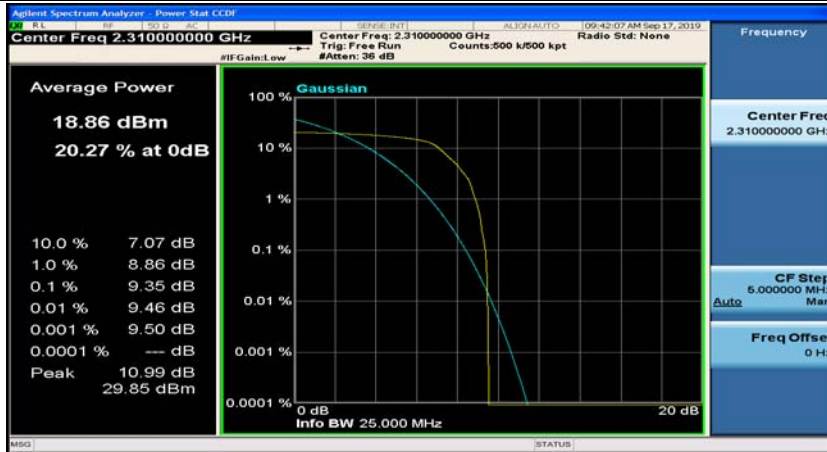
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



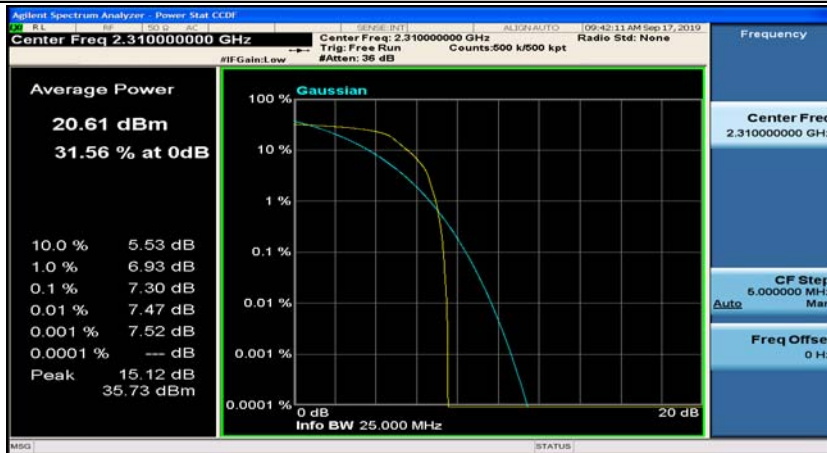
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



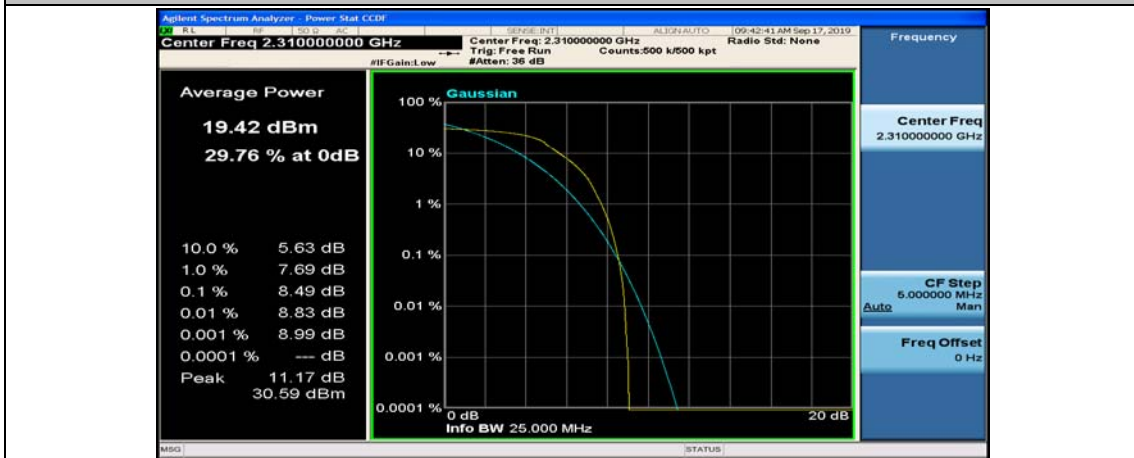
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(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



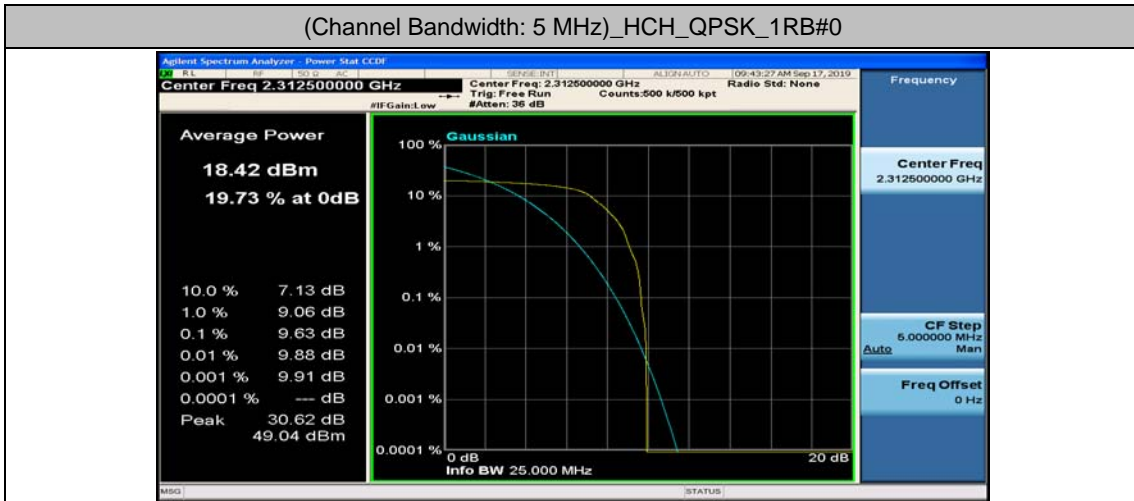
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



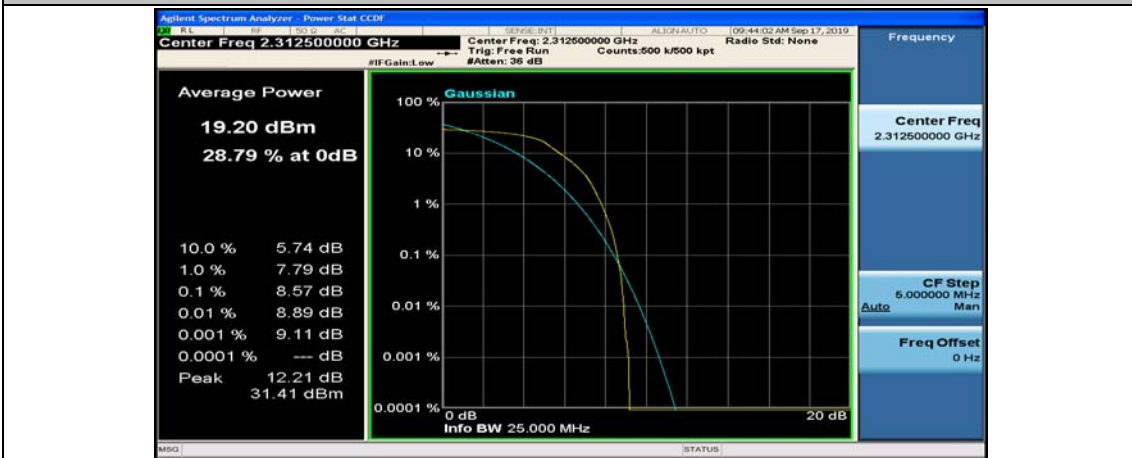
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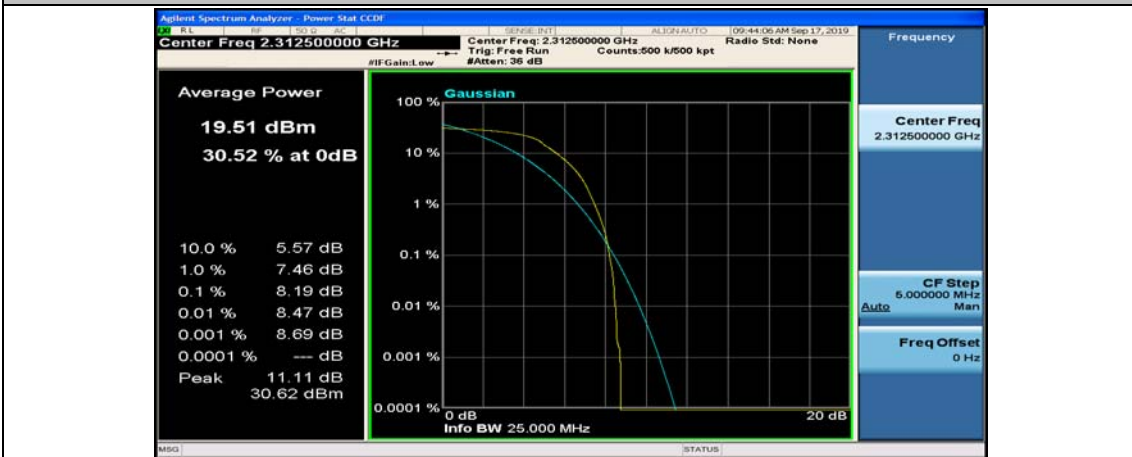
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



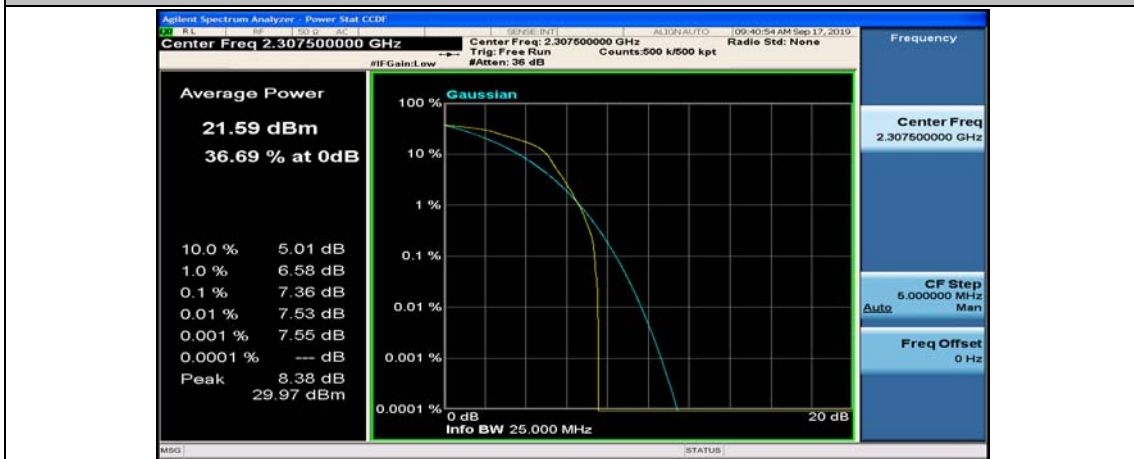
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(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



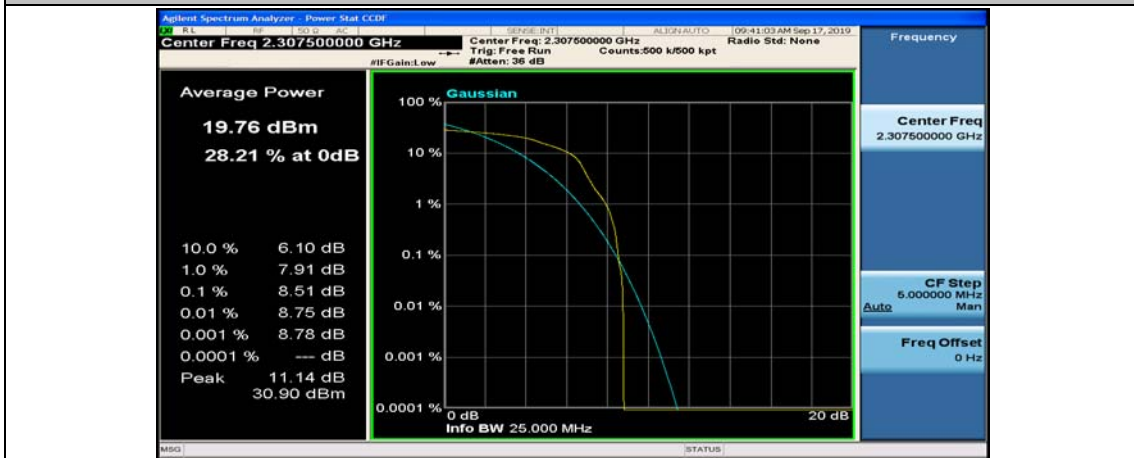
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



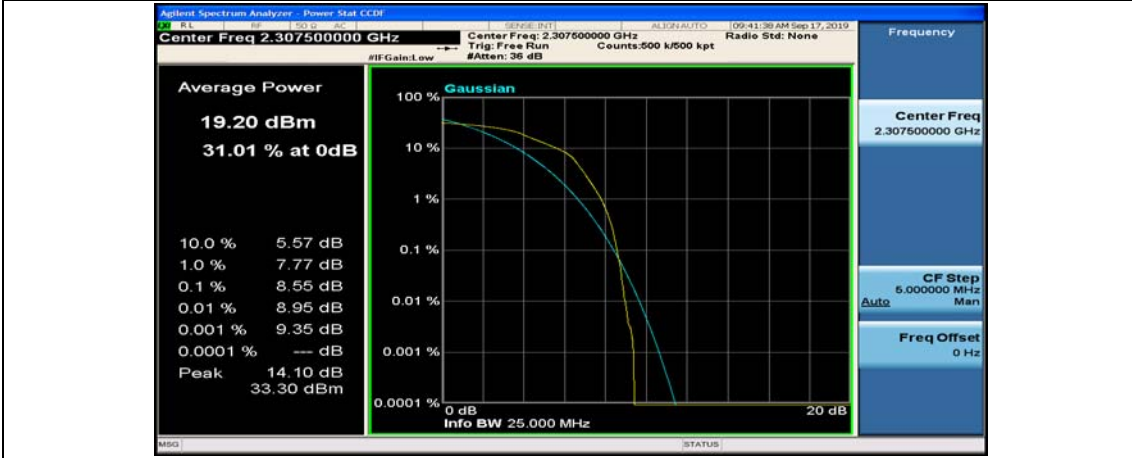
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



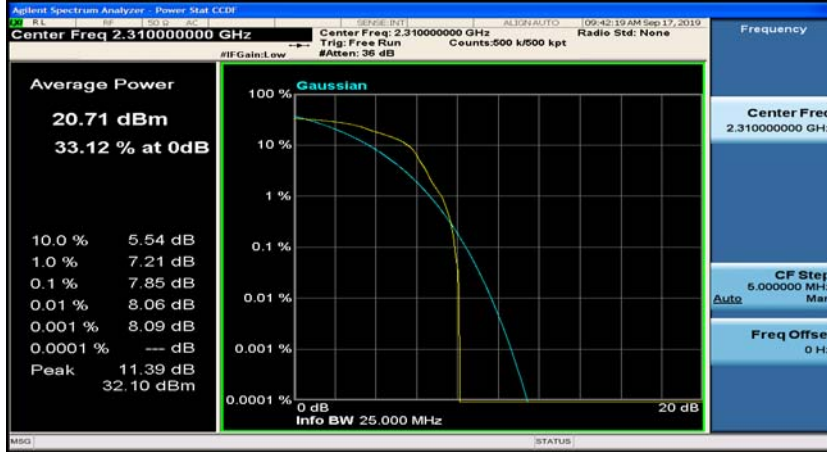
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(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



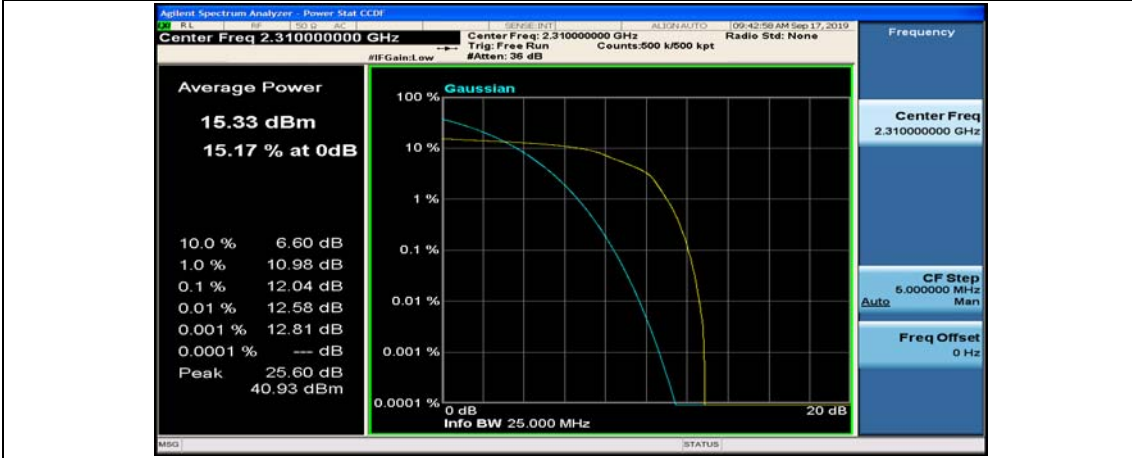
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(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



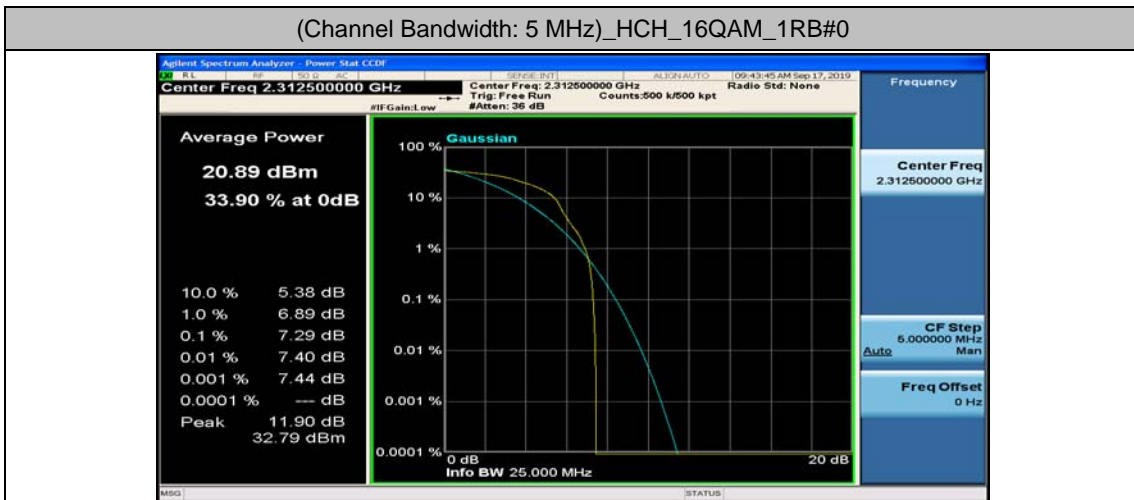
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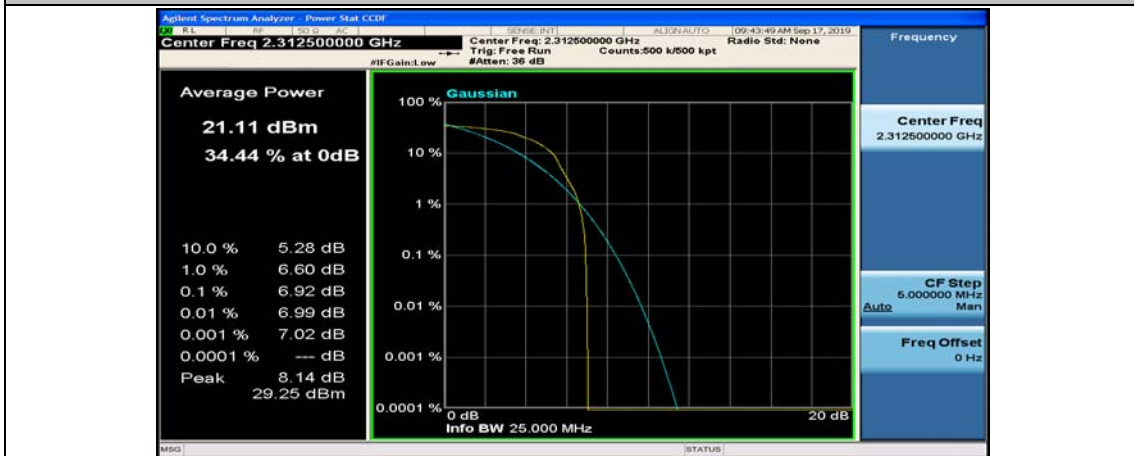
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(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



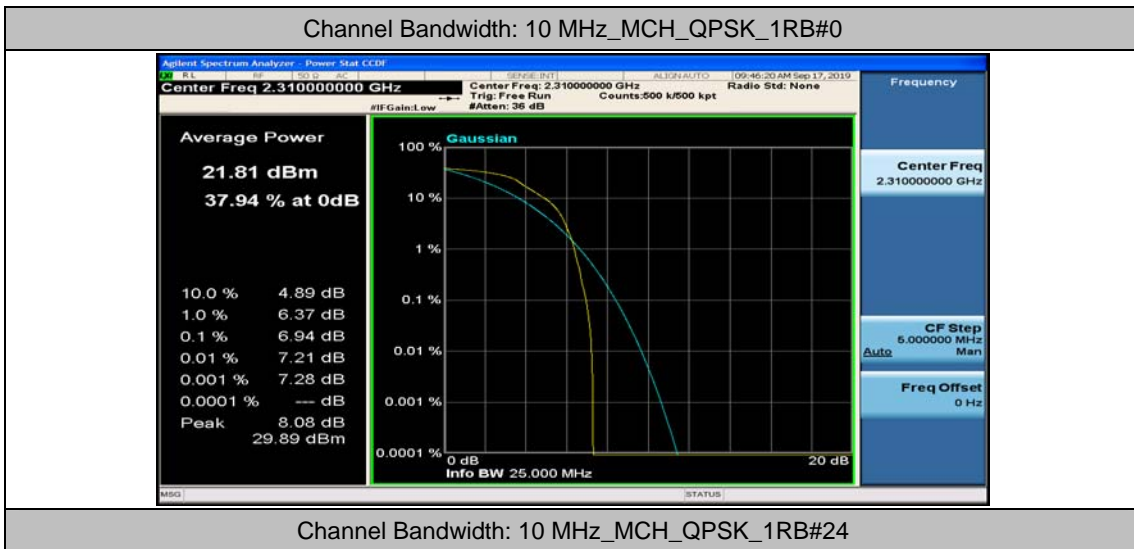
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



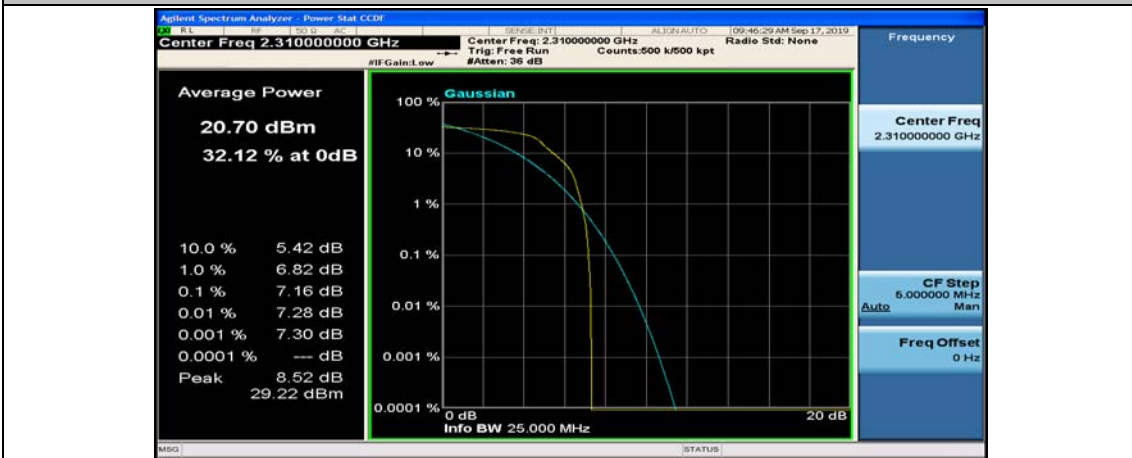
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

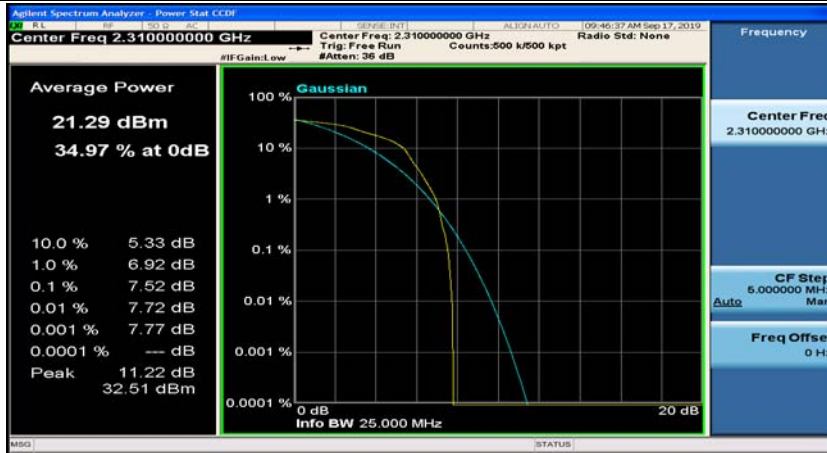




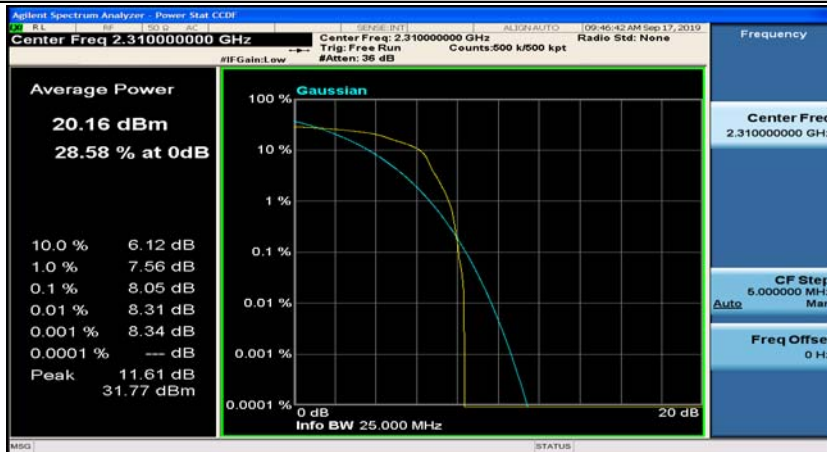
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



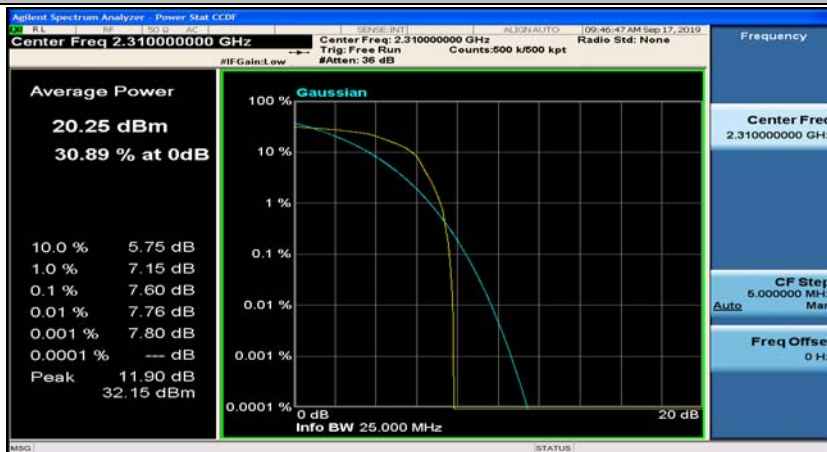
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



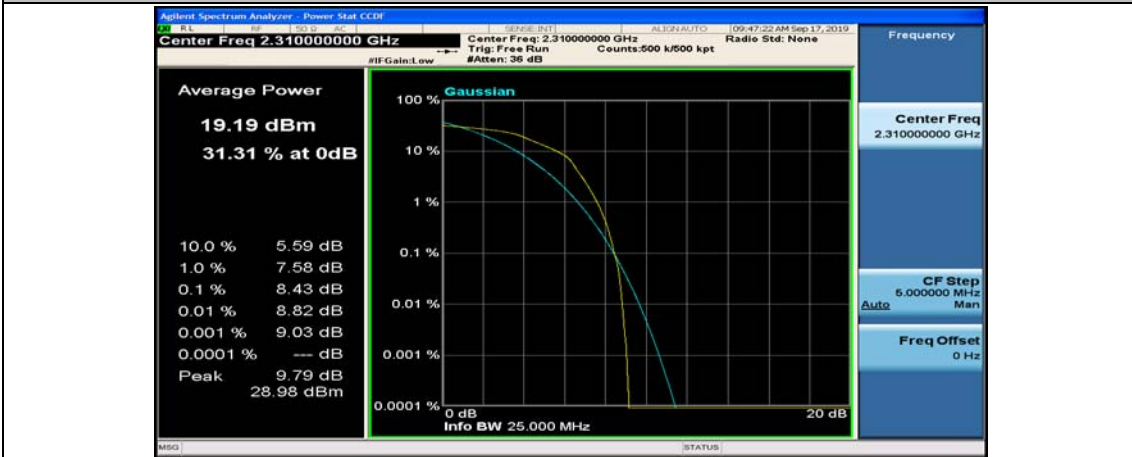
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



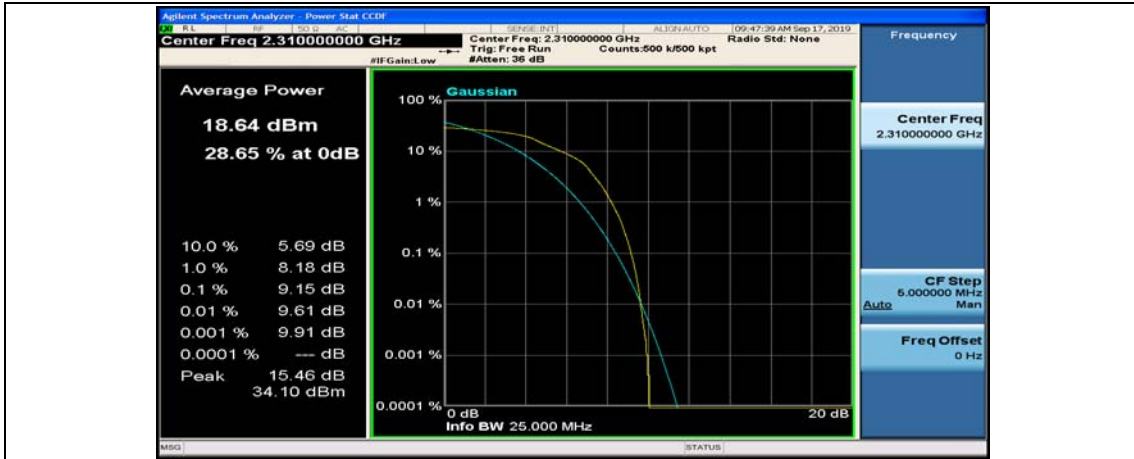
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



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	4.4735	4.855	PASS
	MCH	25	0	4.4724	4.882	PASS
	HCH	25	0	4.4801	4.895	PASS
16QAM	LCH	25	0	4.4808	4.973	PASS
	MCH	25	0	4.4665	4.857	PASS
	HCH	25	0	4.4722	4.884	PASS

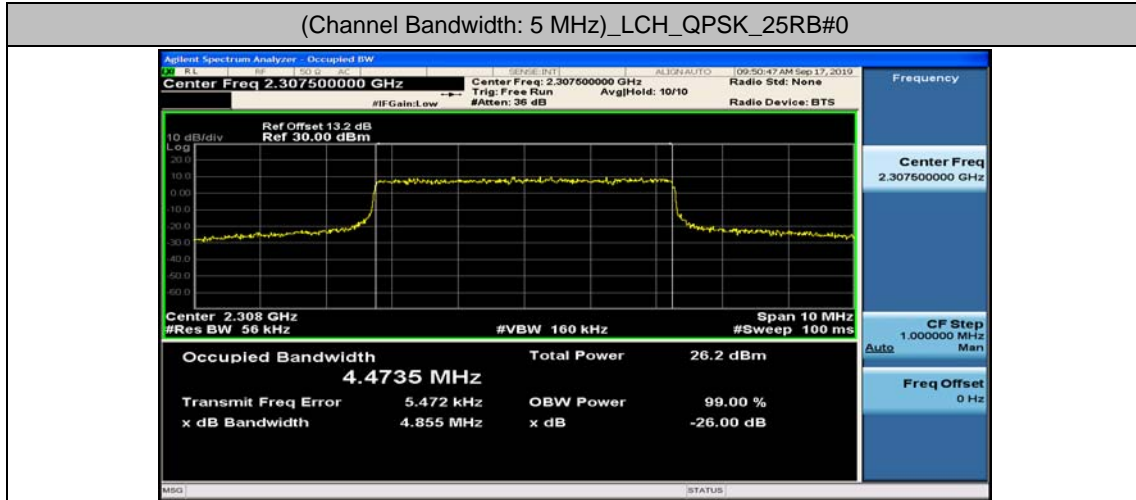
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	MCH	50	0	8.9346	9.429	PASS
16QAM	MCH	50	0	8.9322	9.495	PASS

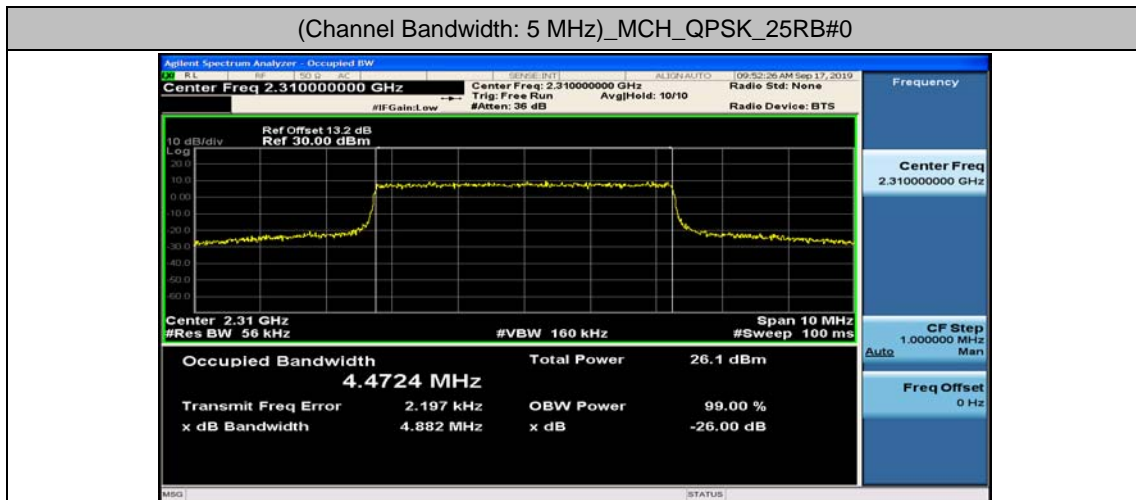
Test Graphs

Channel Bandwidth: 5 MHz

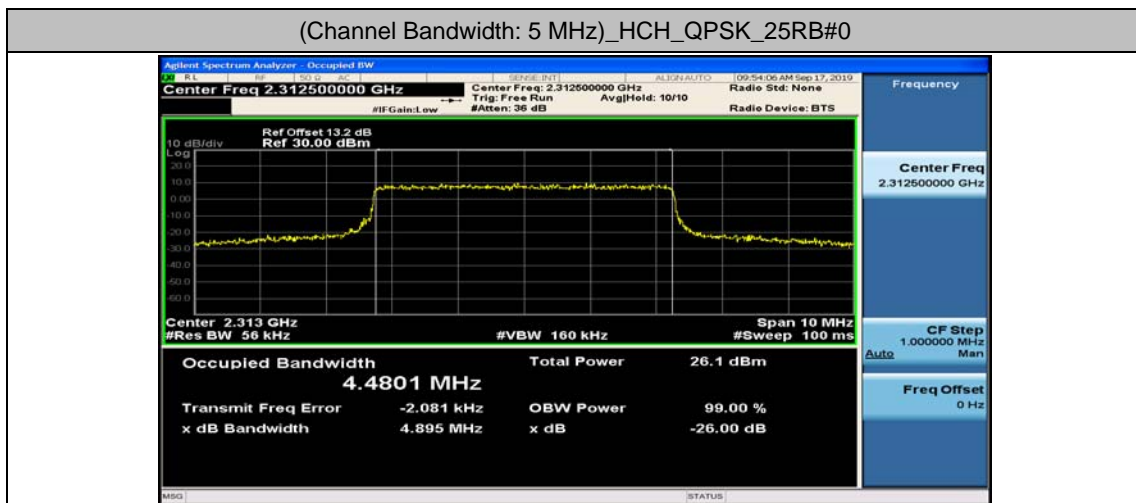
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



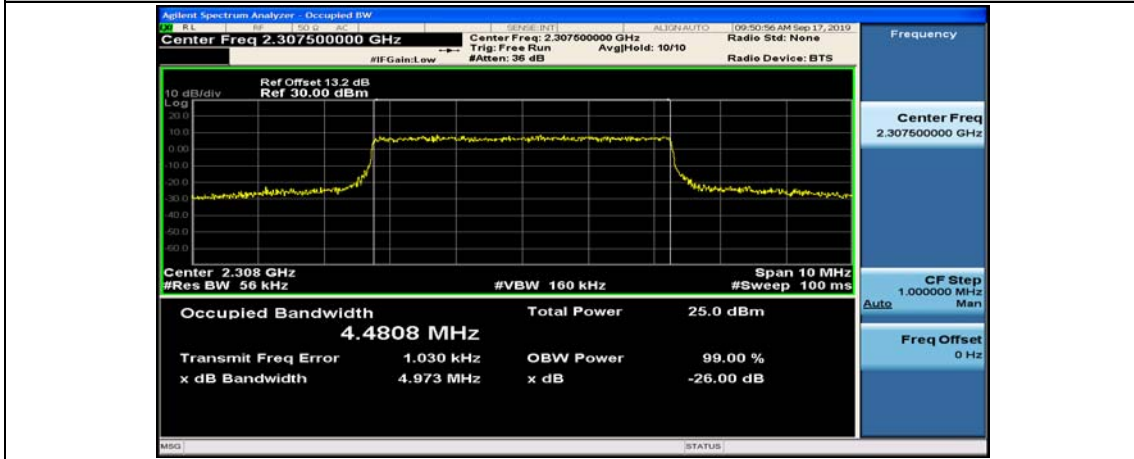
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



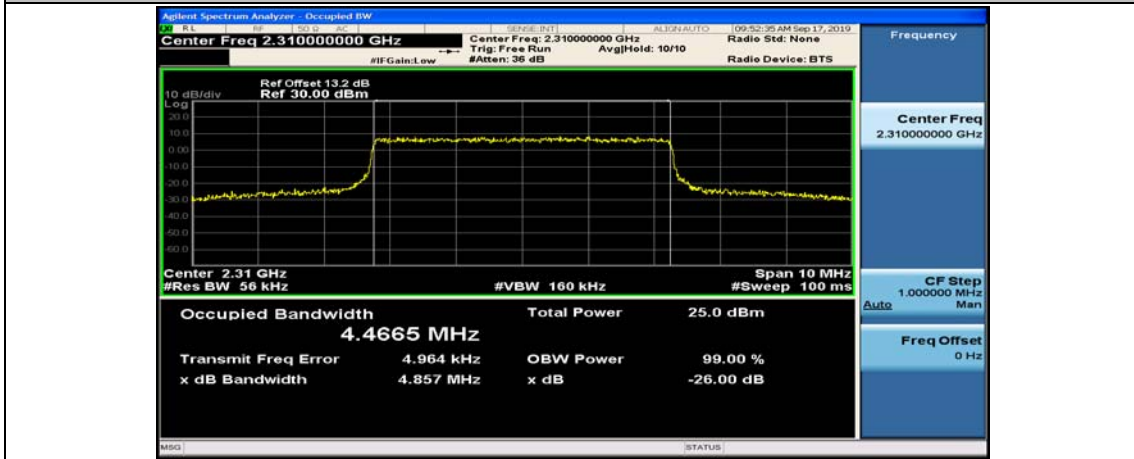
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



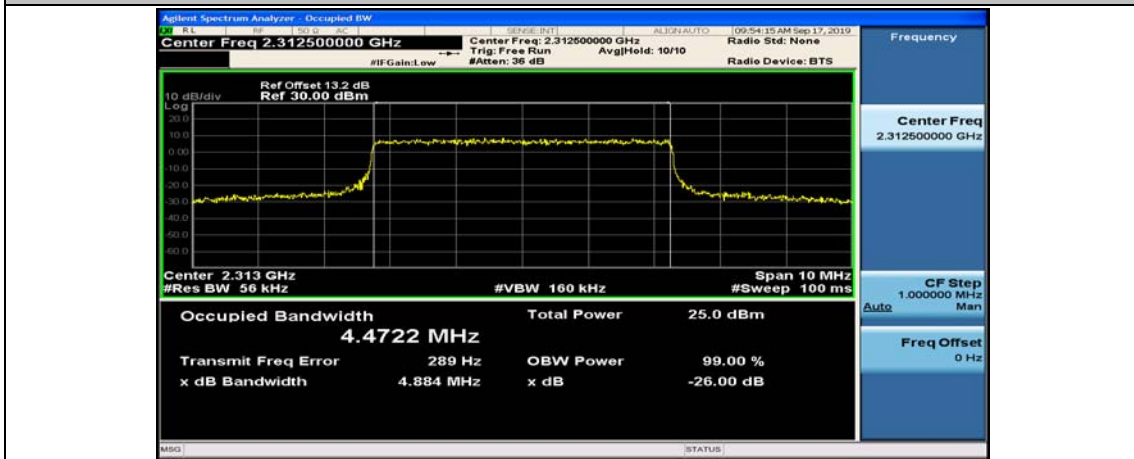
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



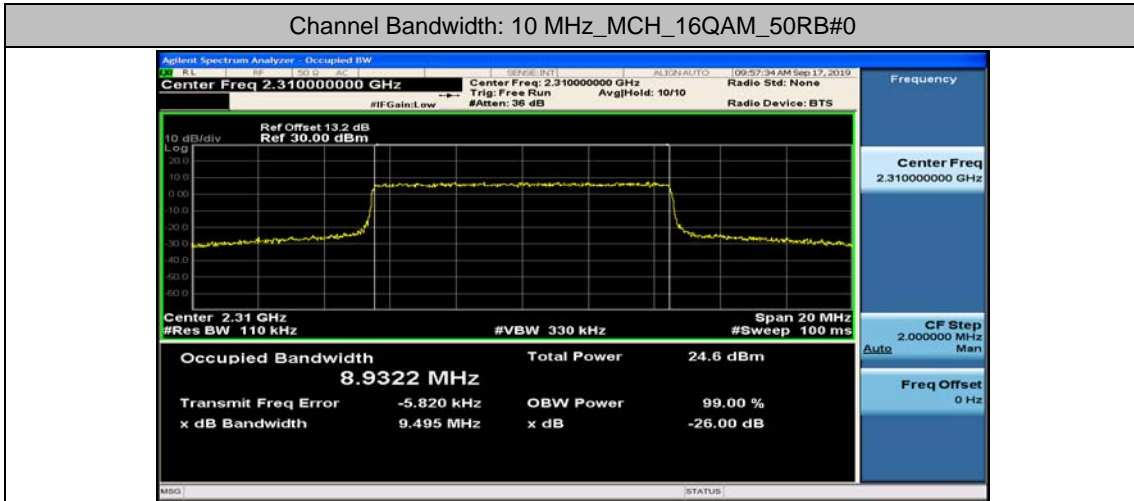
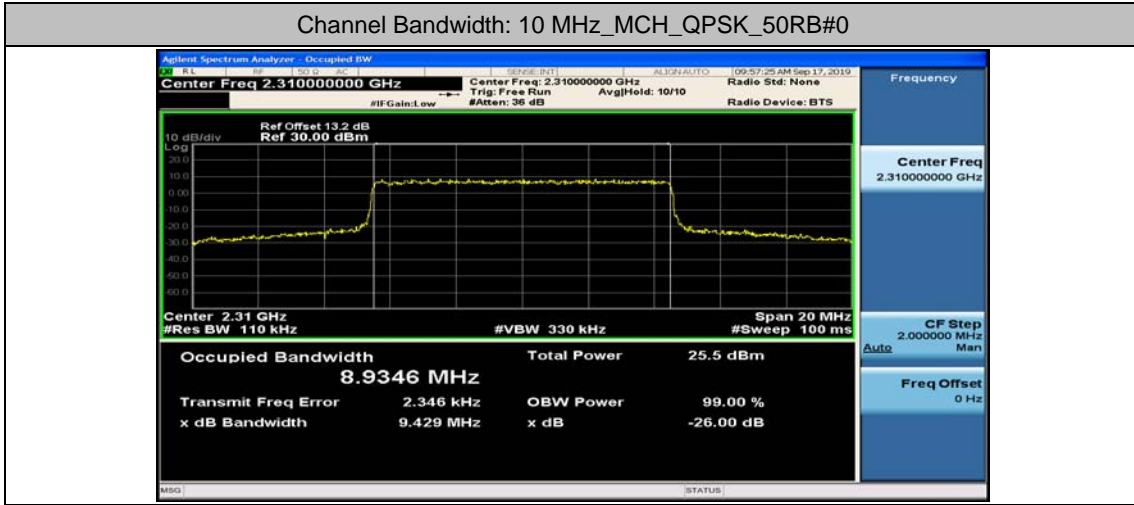
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



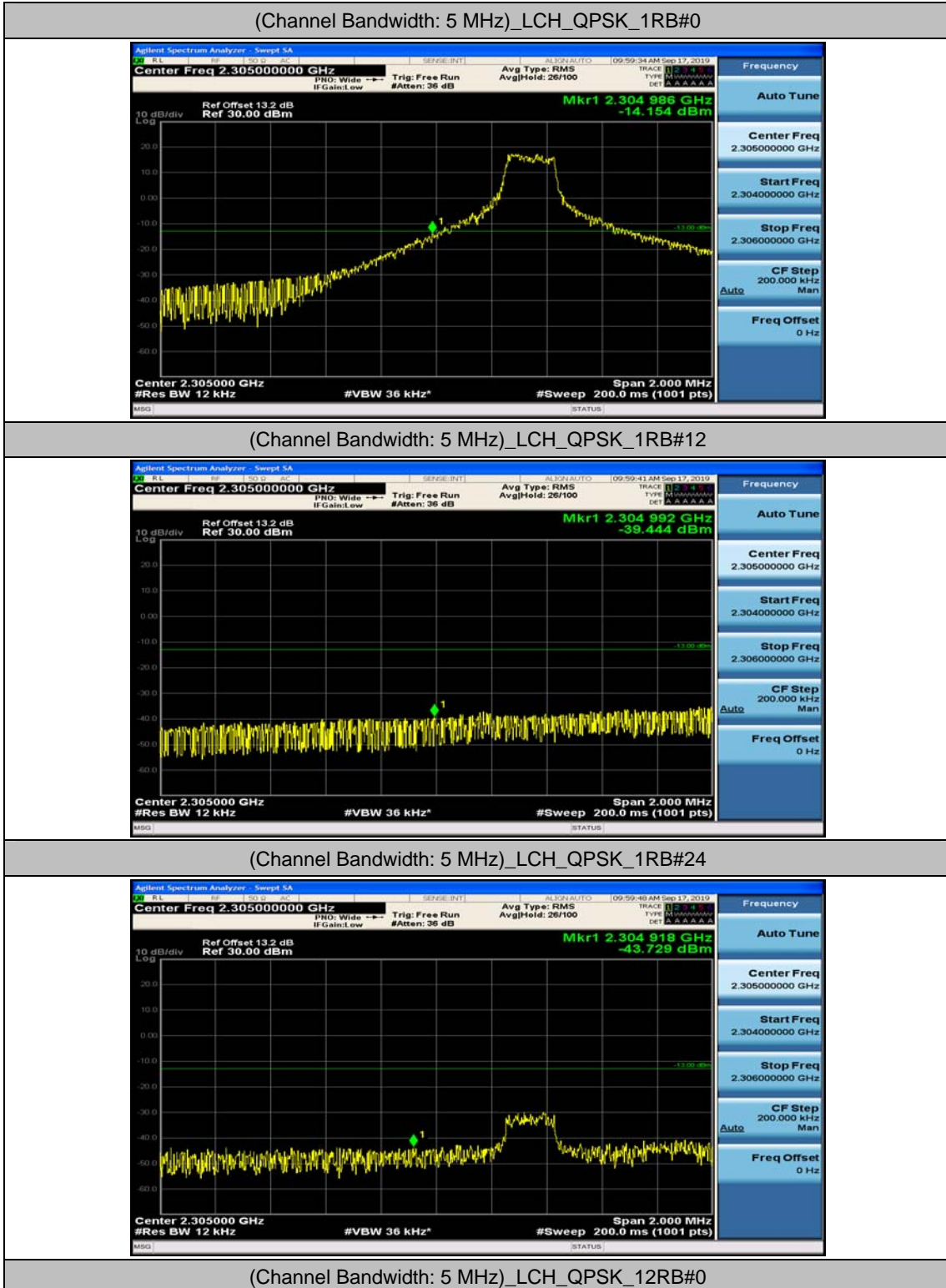
Channel Bandwidth: 10 MHz



Appendix D: Band Edge

Test Graphs

Channel Bandwidth: 5 MHz

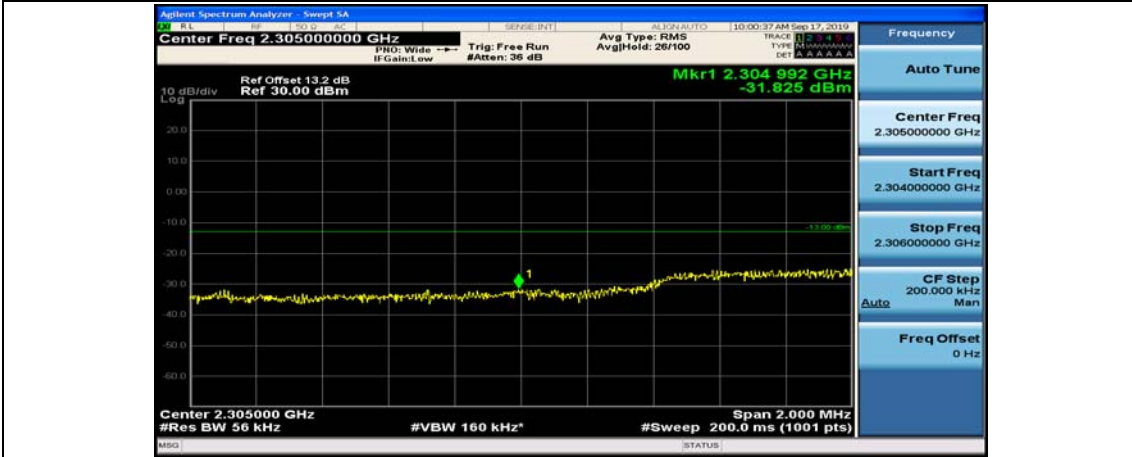




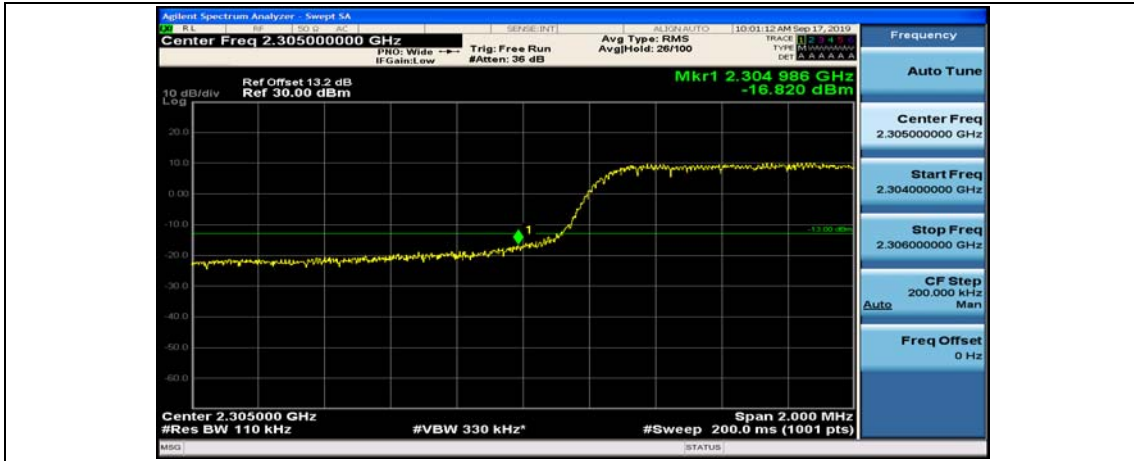
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



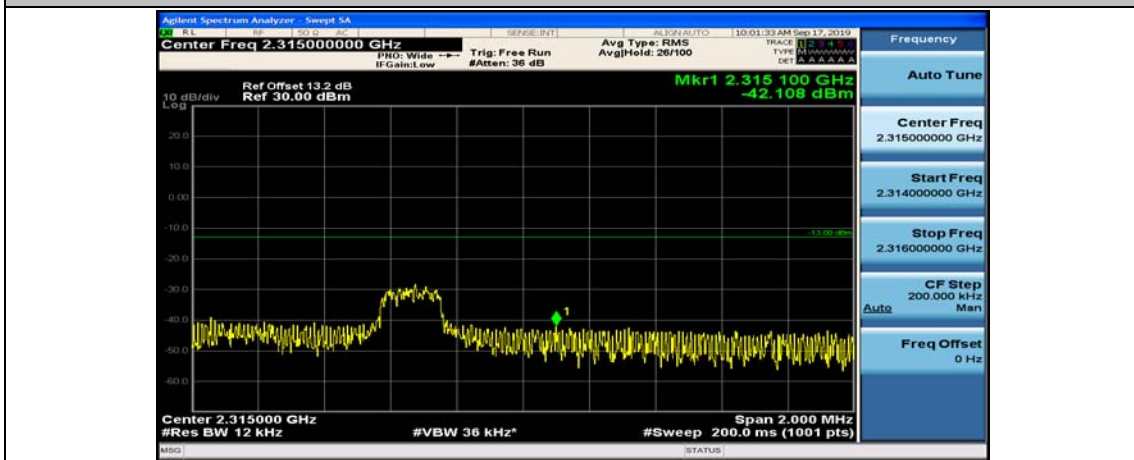
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



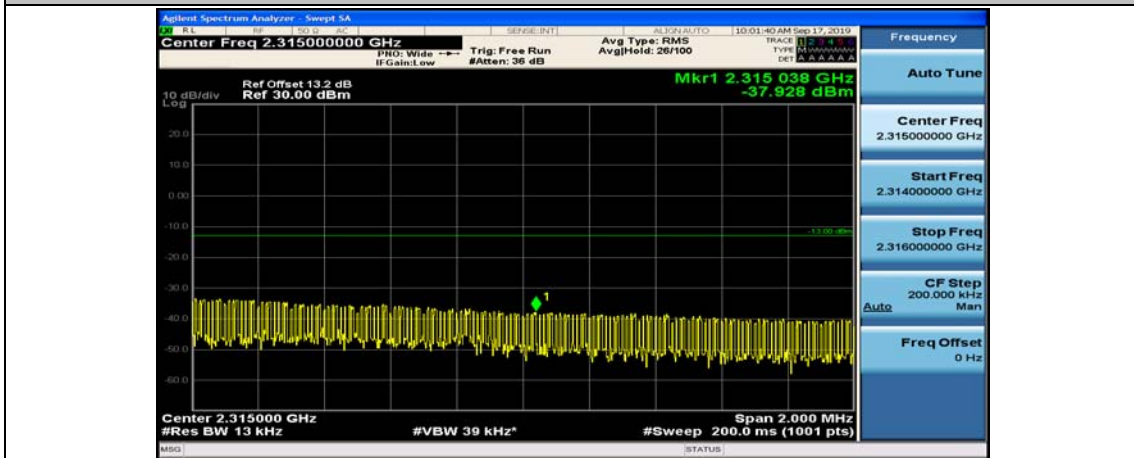
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



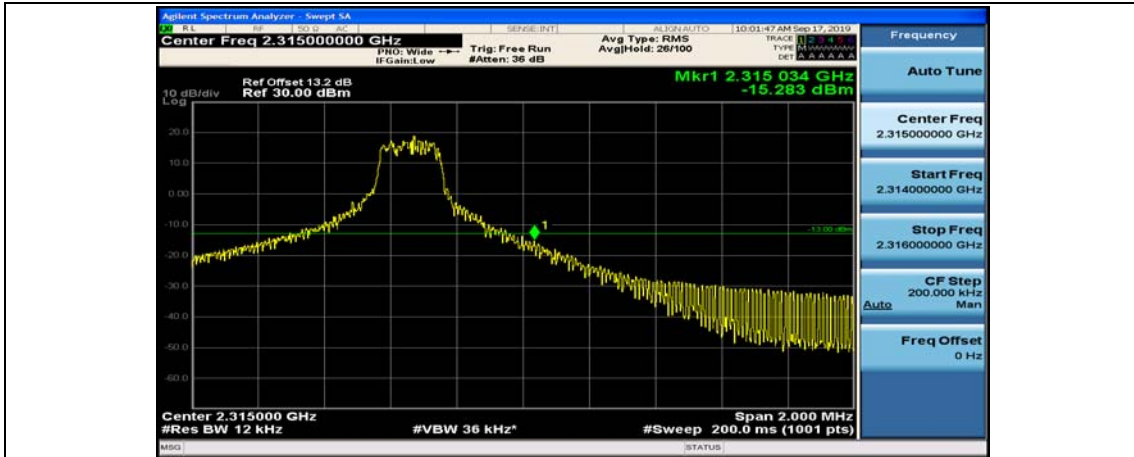
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



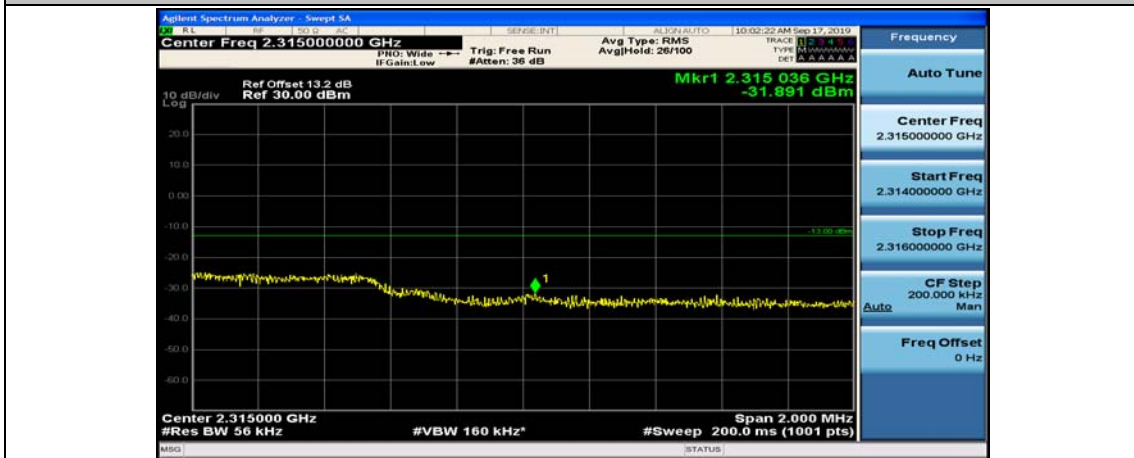
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



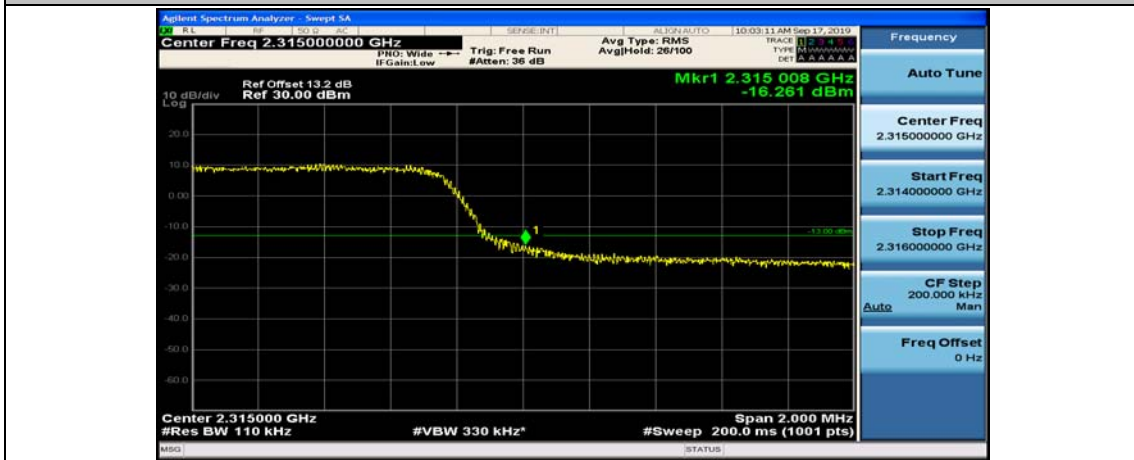
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



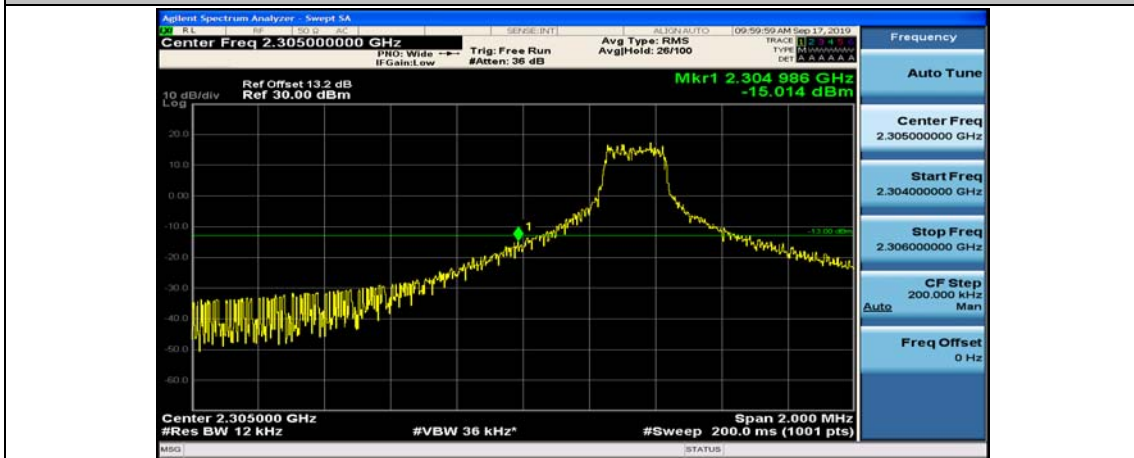
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



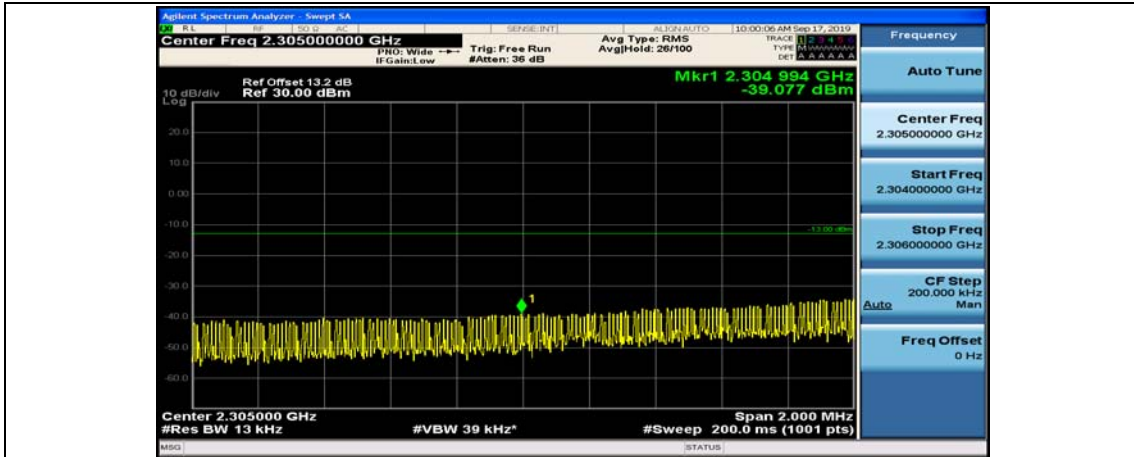
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



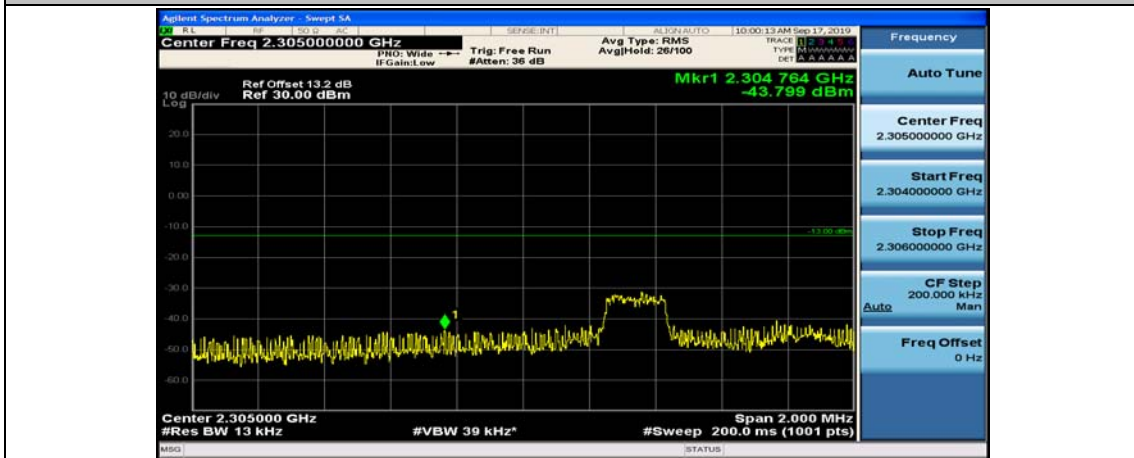
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



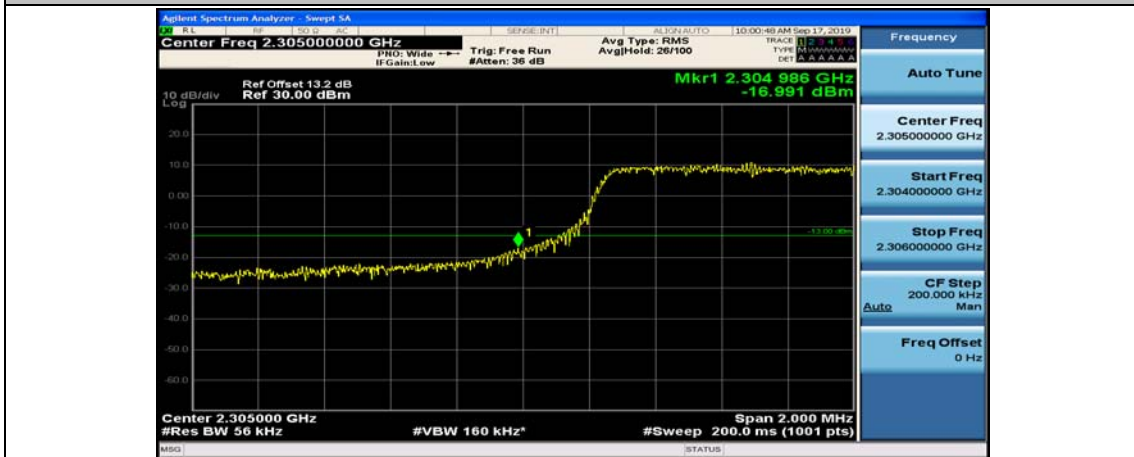
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



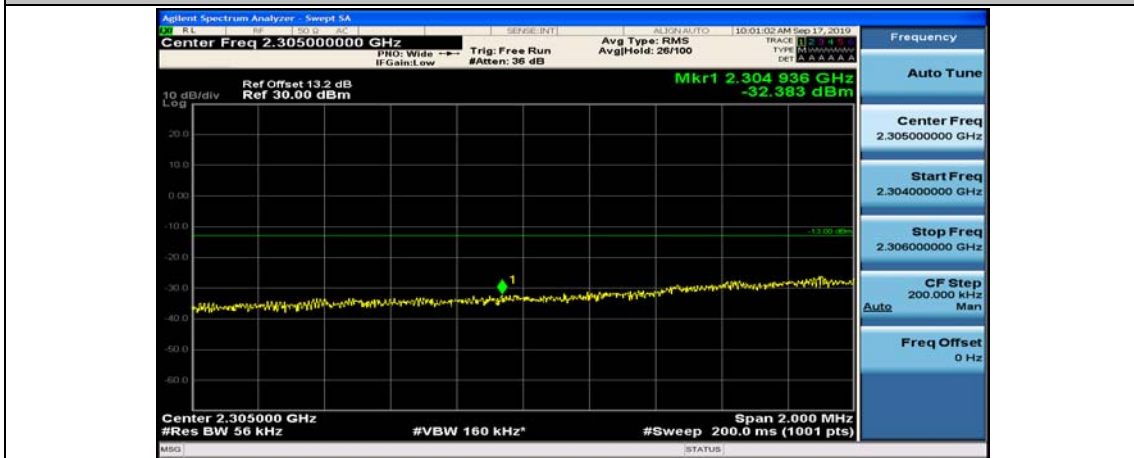
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



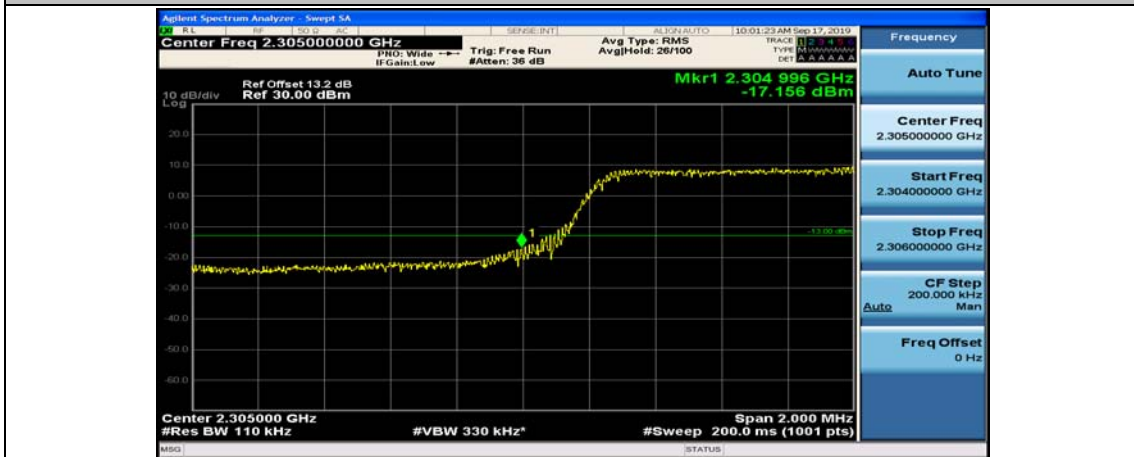
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



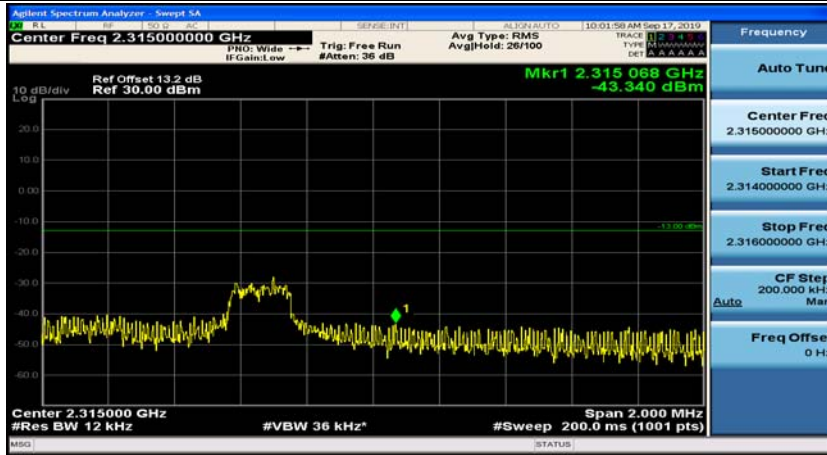
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



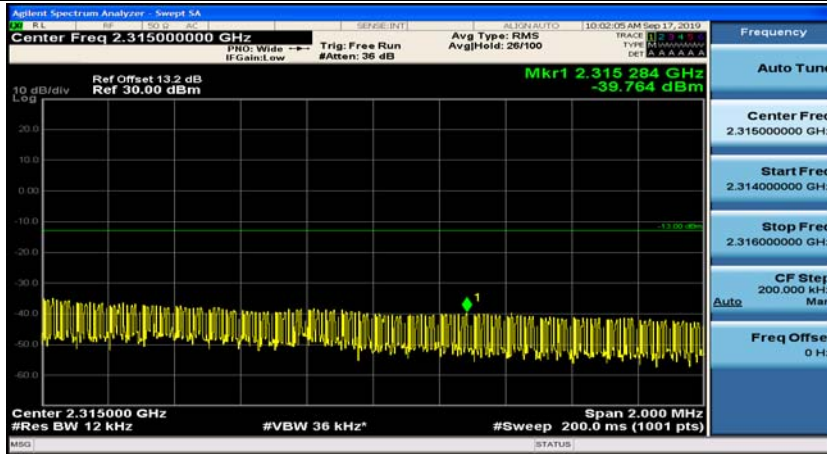
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



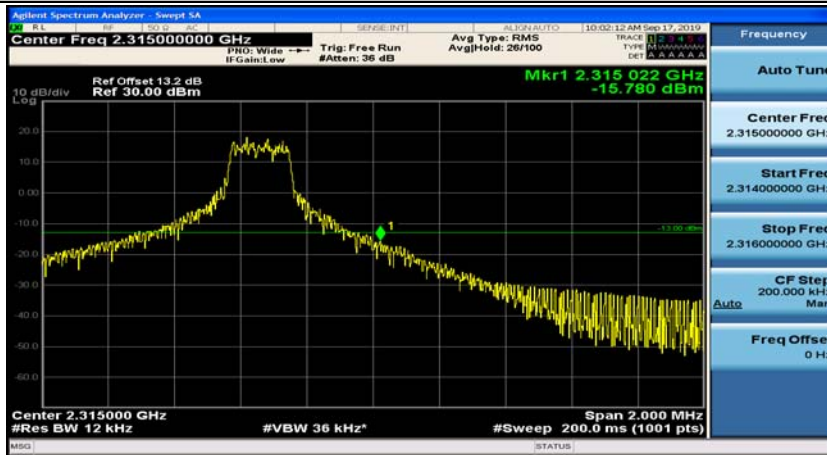
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



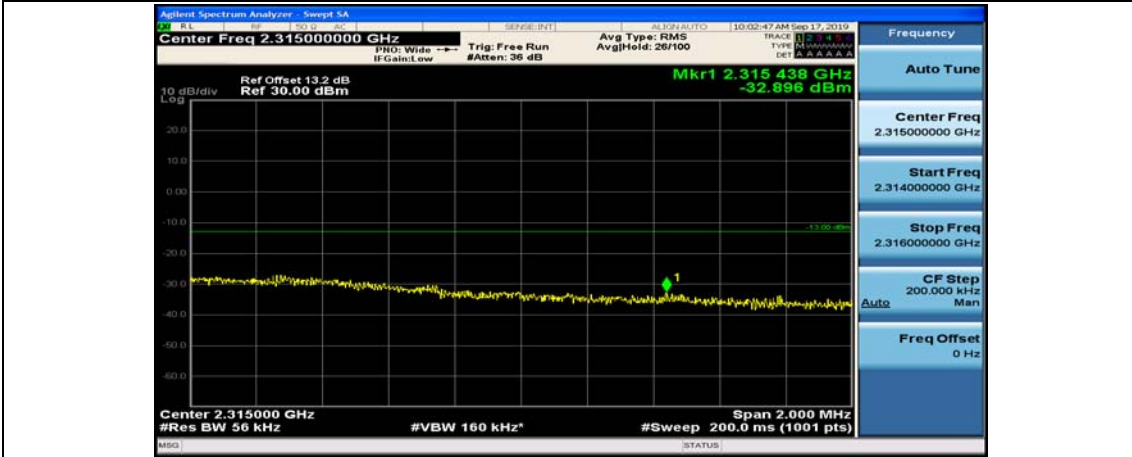
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



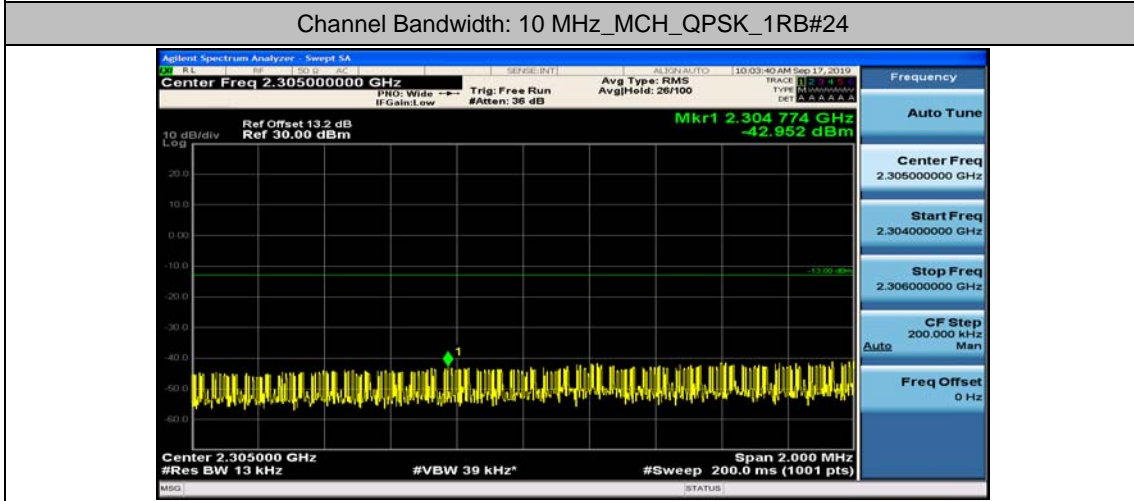
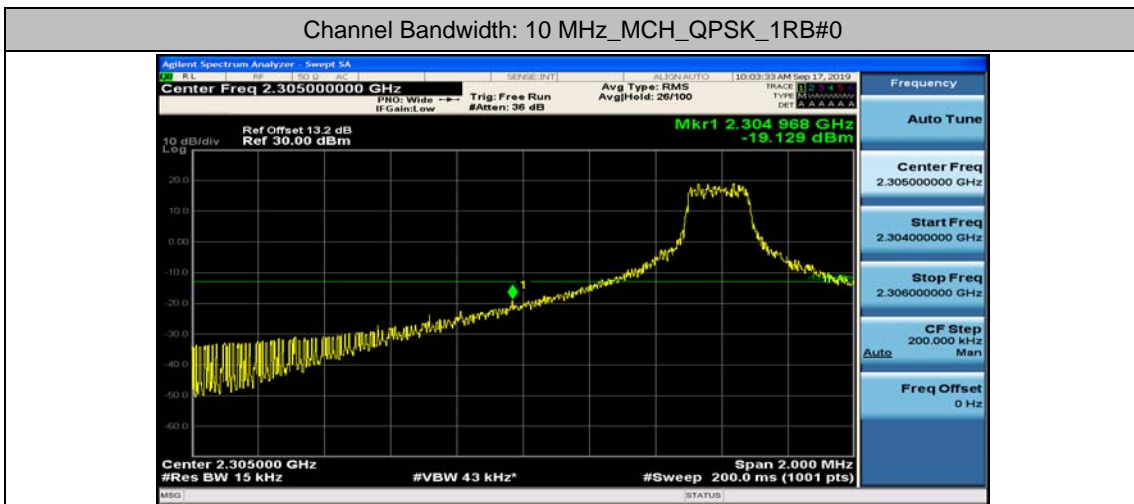
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



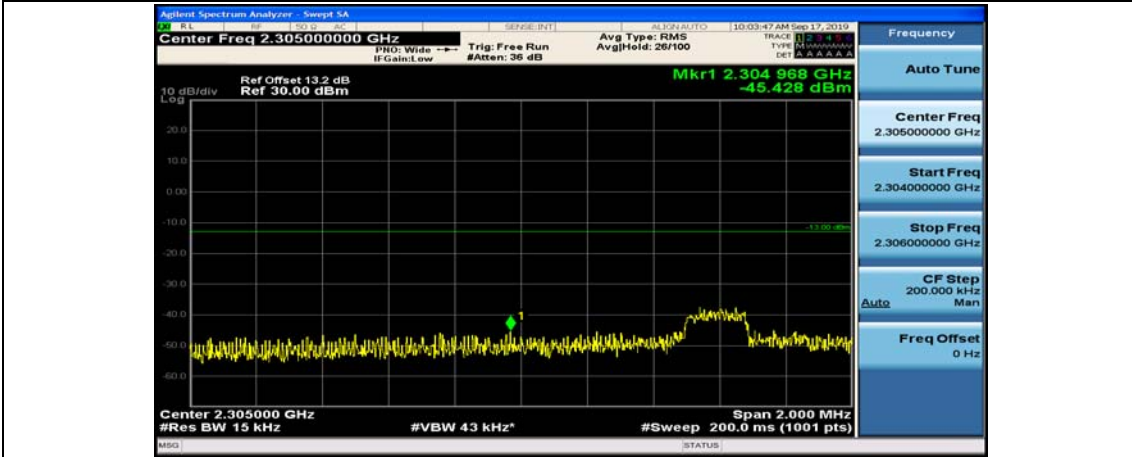
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



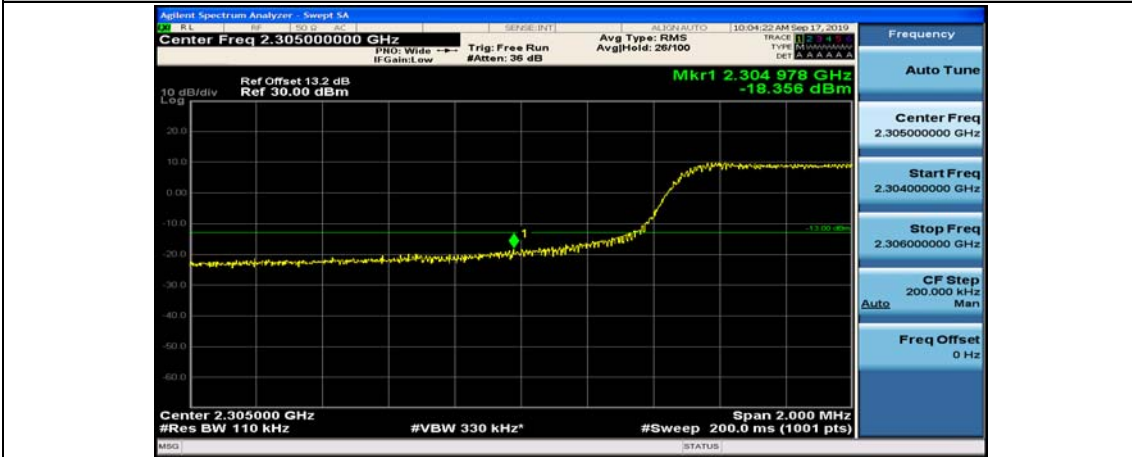
Channel Bandwidth: 10 MHz



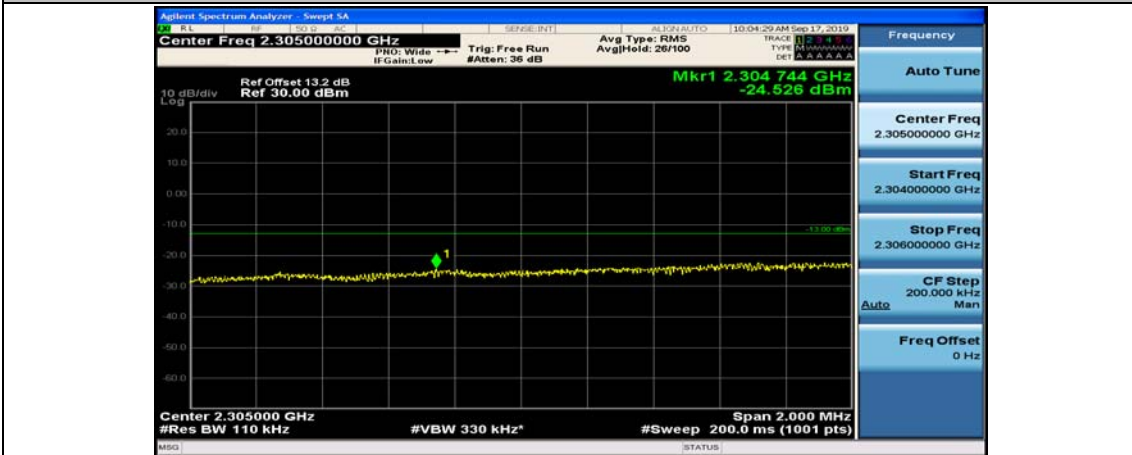
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



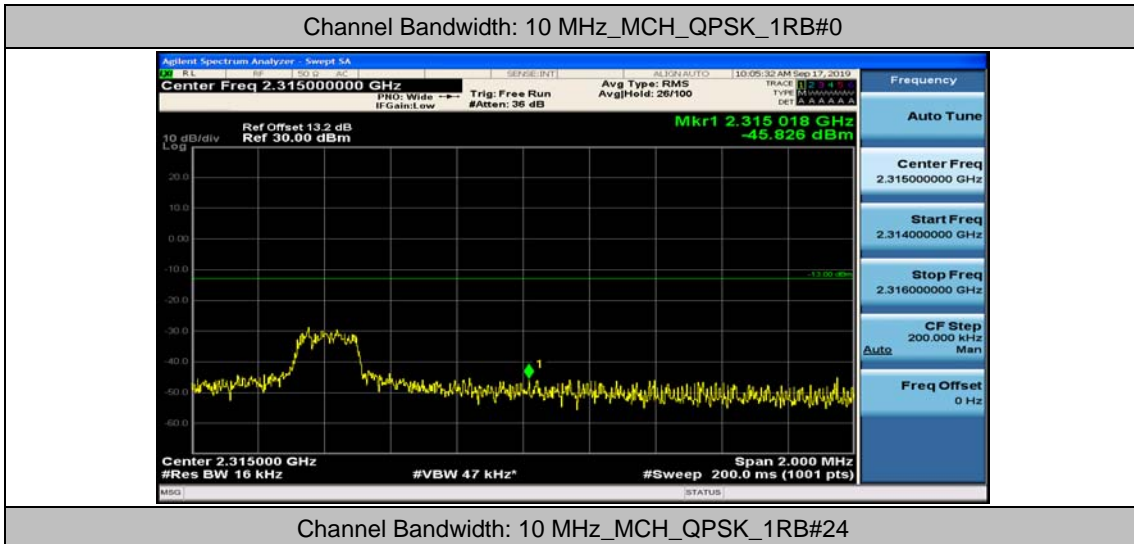
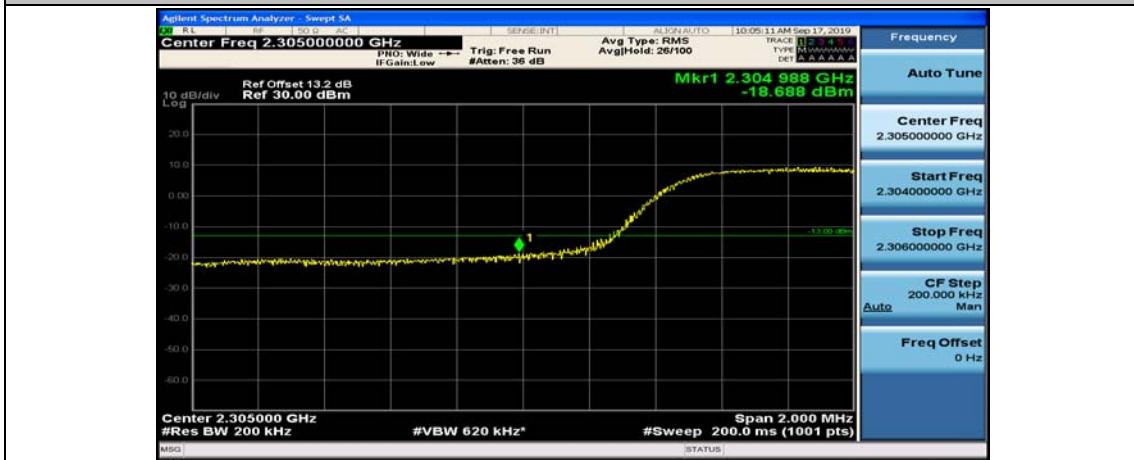
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

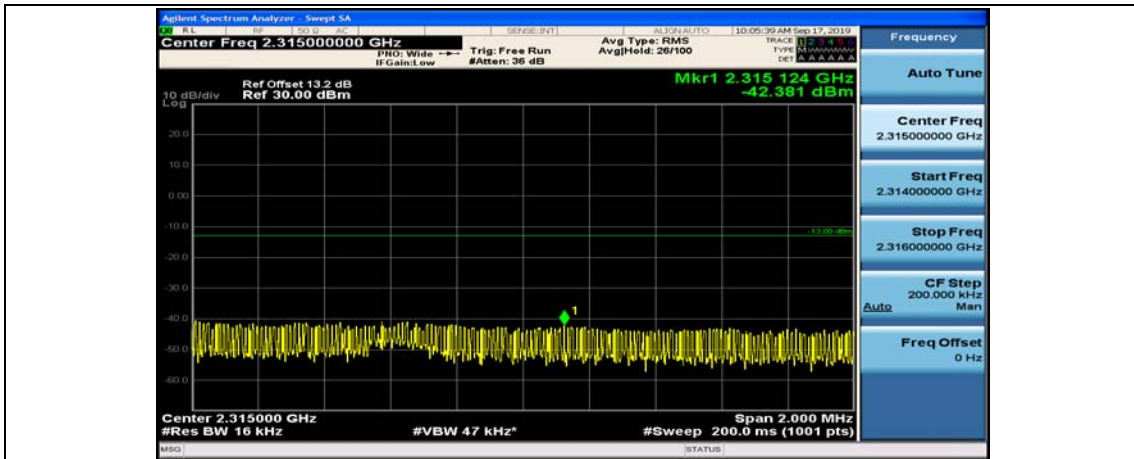


Channel Bandwidth: 10 MHz_MCH_PSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

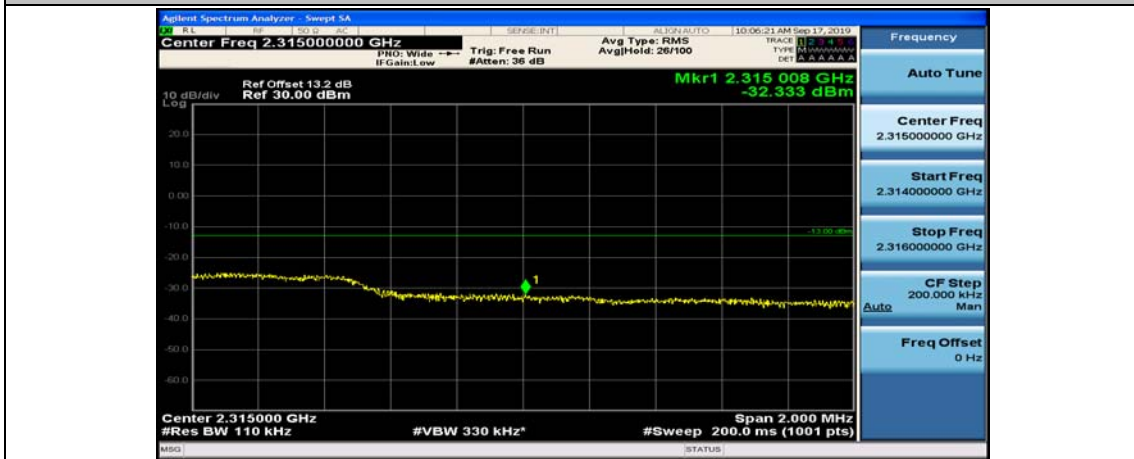




Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



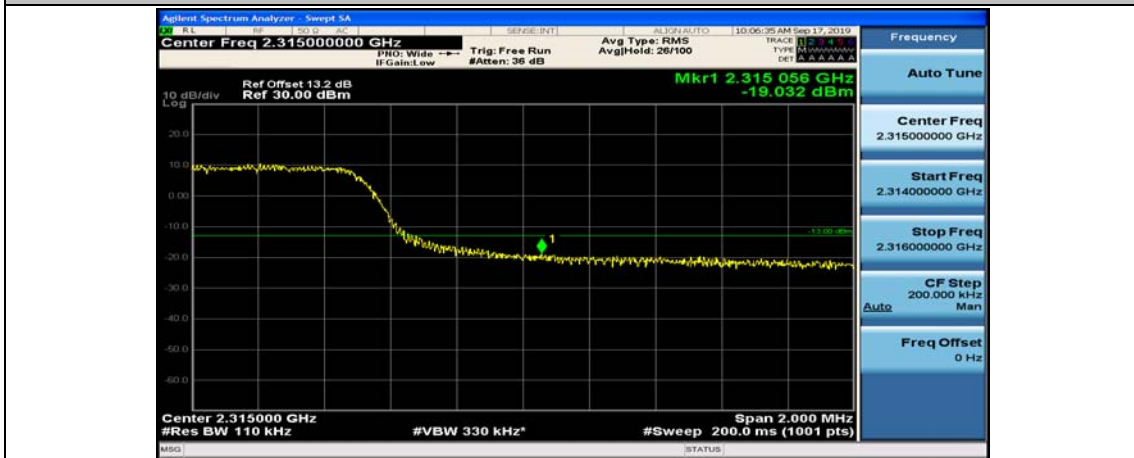
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0



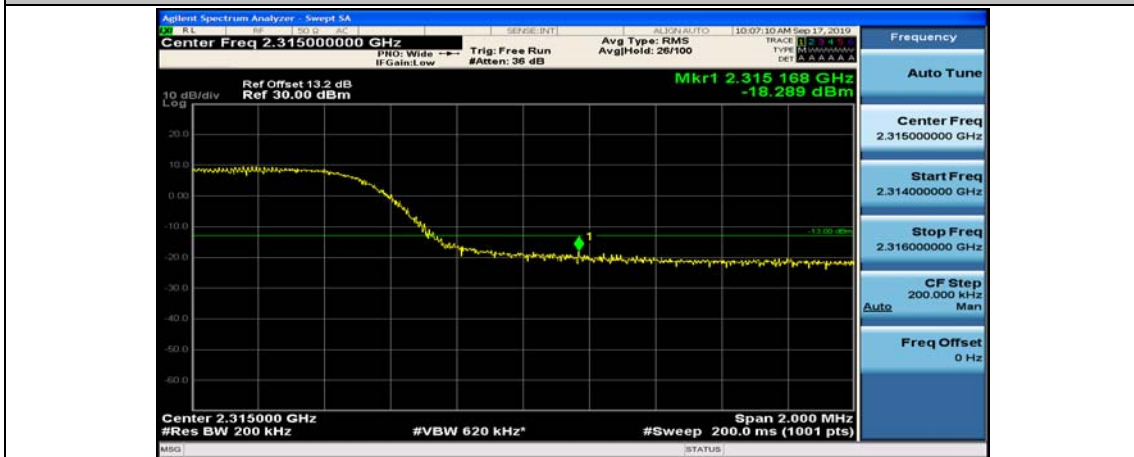
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



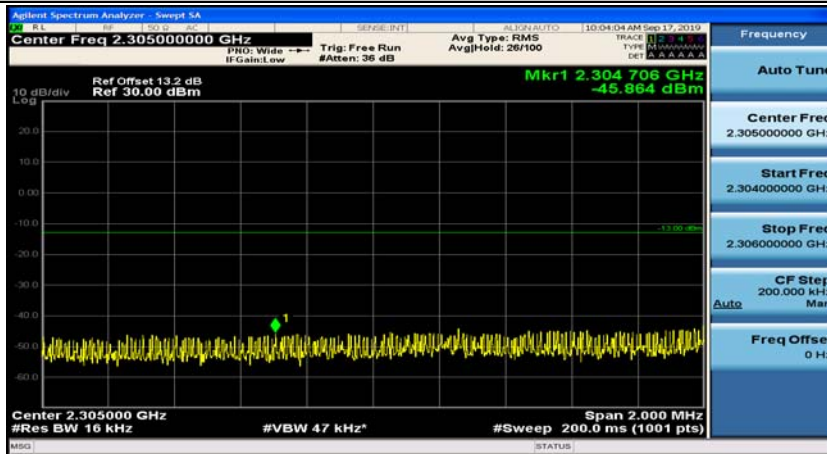
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



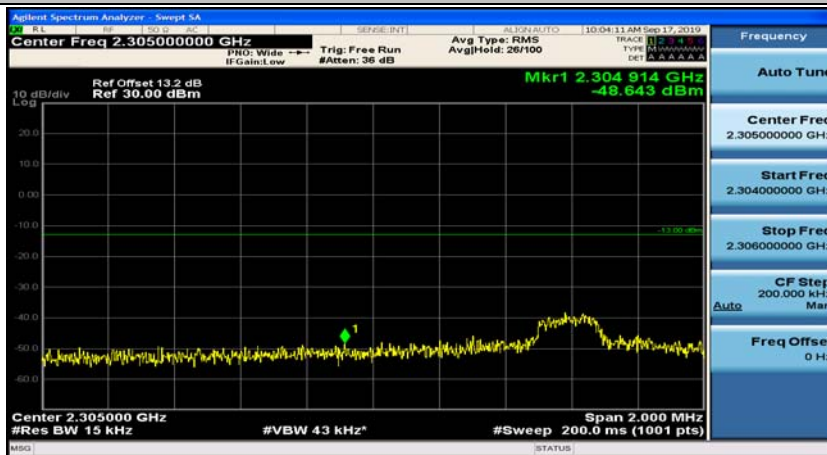
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



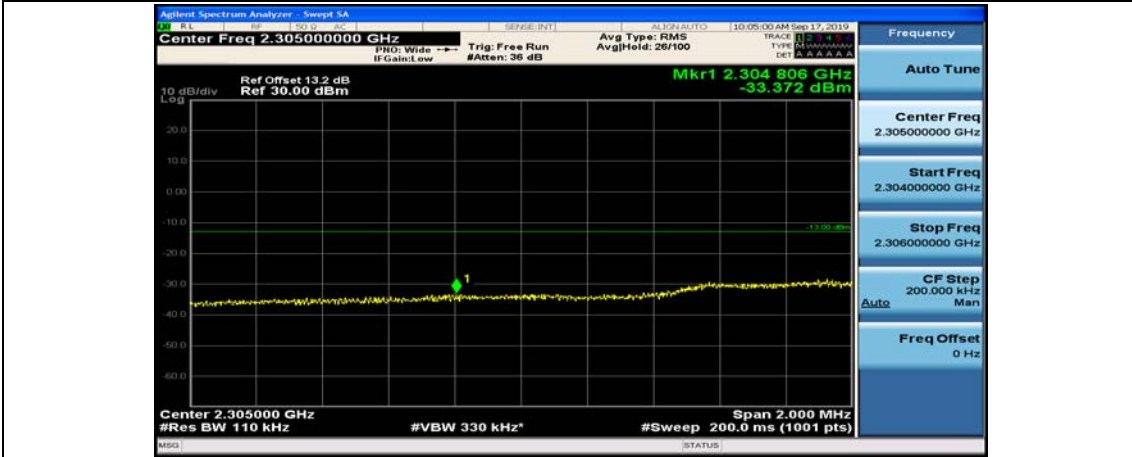
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



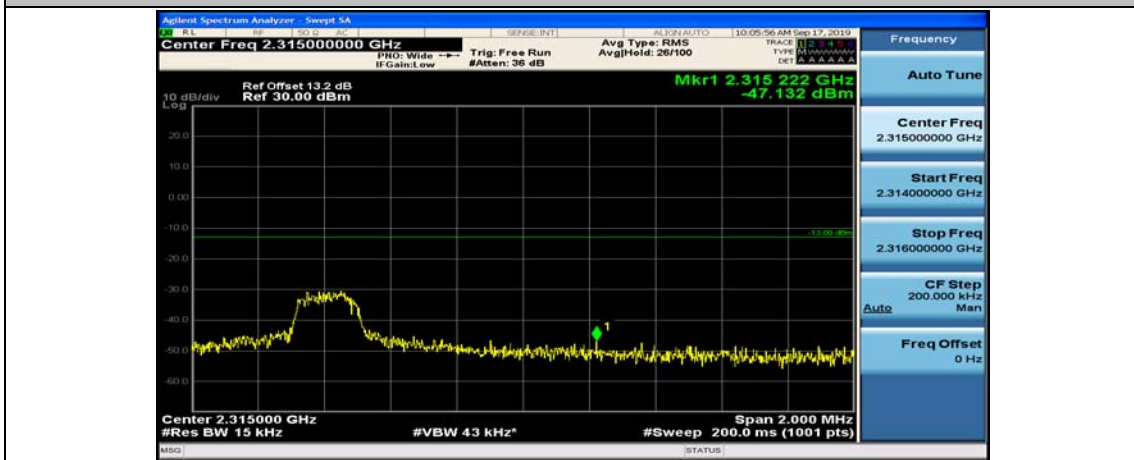
Channel Bandwidth: 10 MHz_MCH_6QAM_25RB#25



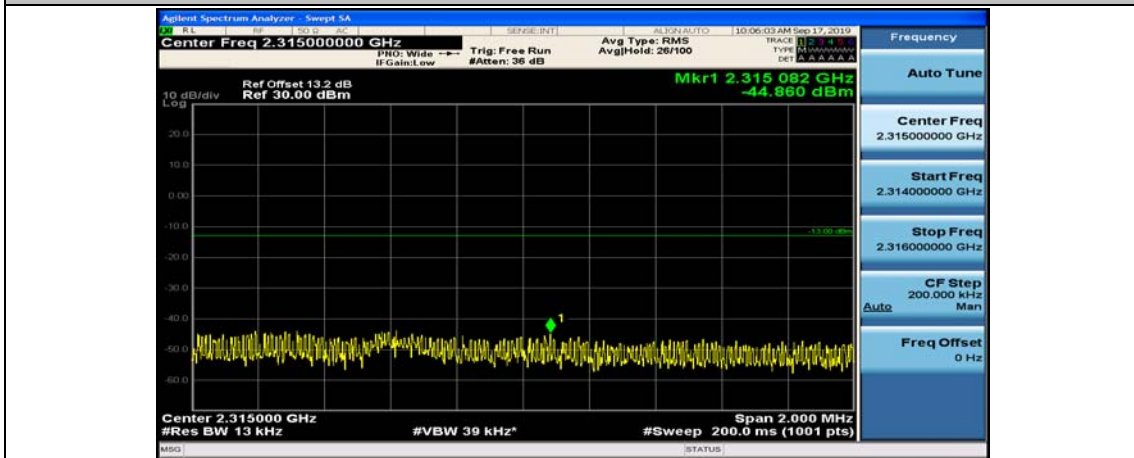
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



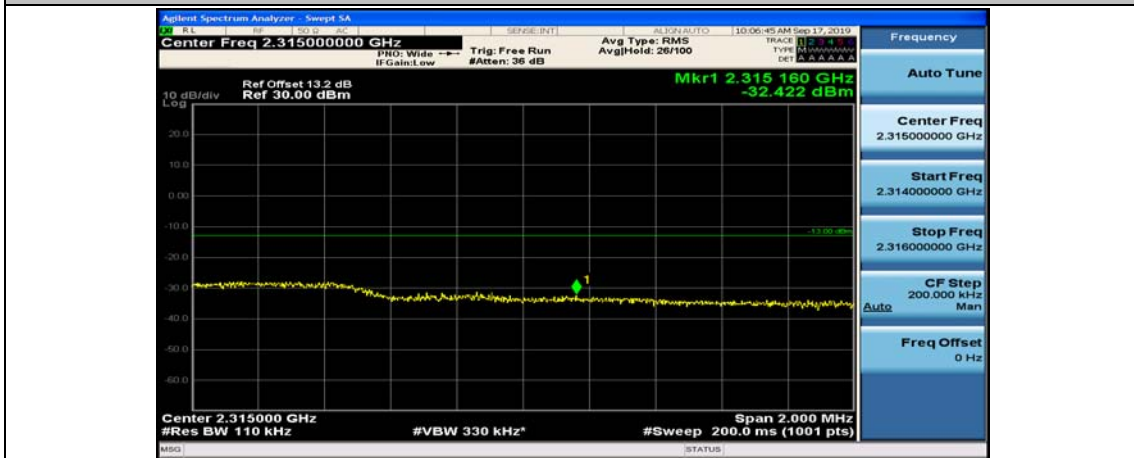
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



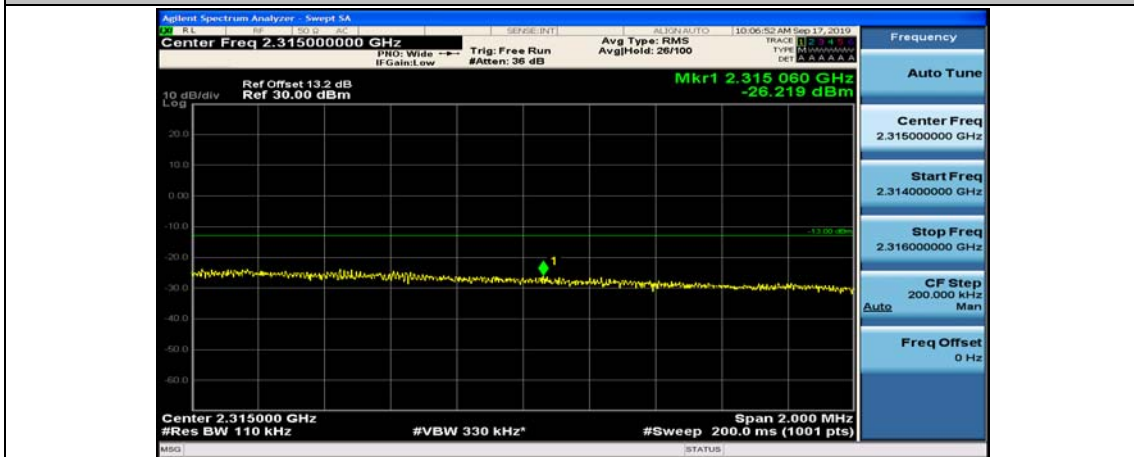
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



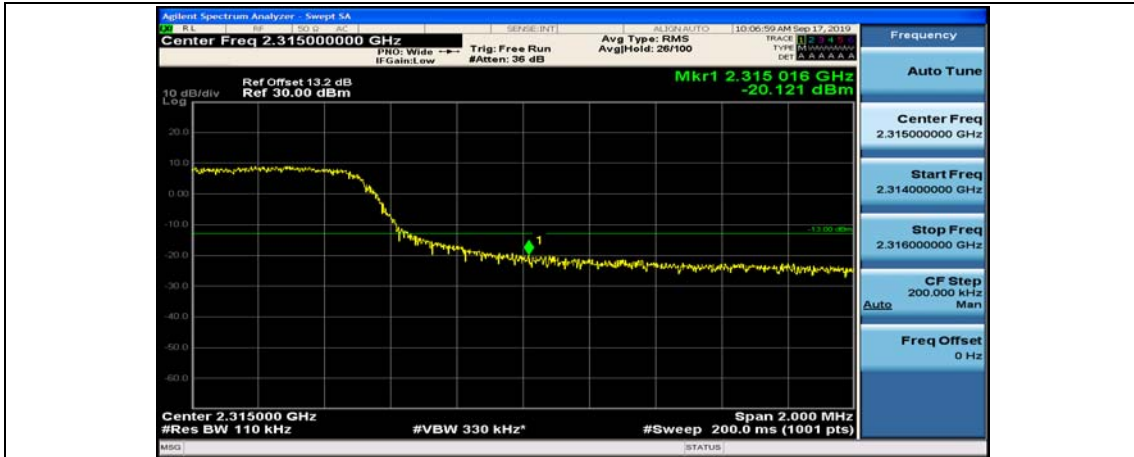
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0



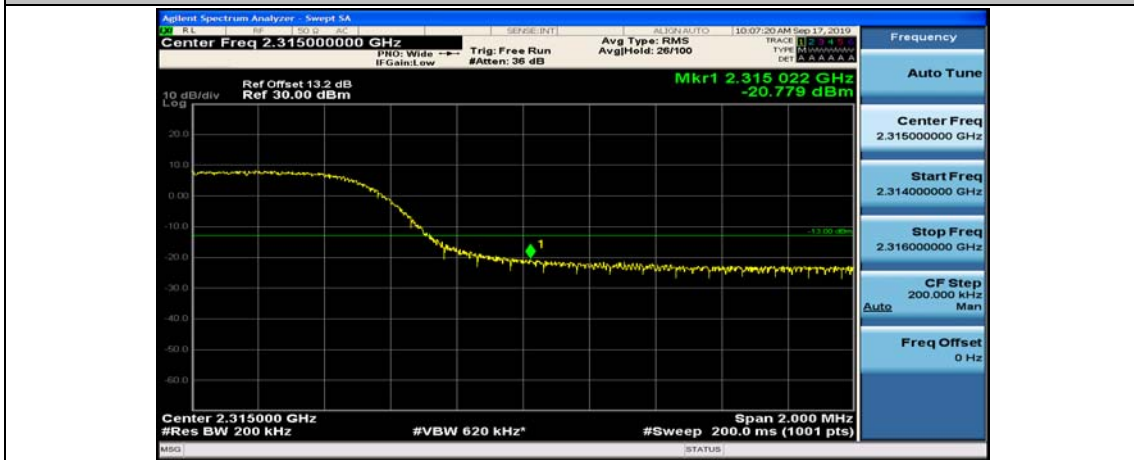
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Appendix E: Conducted Spurious Emission

Test Graphs

Channel Bandwidth: 5 MHz

