

Appendix for Band 17

Appendix A: Average Power Output Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.92	PASS
		1	12	22.88	PASS
		1	24	23.24	PASS
		12	0	21.61	PASS
		12	6	21.83	PASS
		12	13	21.48	PASS
		25	0	21.03	PASS
	MCH	1	0	23.12	PASS
		1	12	23.48	PASS
		1	24	23.12	PASS
		12	0	22.42	PASS
		12	6	22.35	PASS
		12	13	22.21	PASS
		25	0	22.29	PASS
	HCH	1	0	23.31	PASS
		1	12	22.39	PASS
		1	24	22.93	PASS
		12	0	22.16	PASS
		12	6	21.61	PASS
		12	13	21.37	PASS
		25	0	21.97	PASS
16QAM	LCH	1	0	21.28	PASS
		1	12	21.26	PASS
		1	24	22.62	PASS
		12	0	20.77	PASS
		12	6	20.90	PASS
		12	13	20.68	PASS
		25	0	20.62	PASS
	MCH	1	0	22.47	PASS
		1	12	22.71	PASS
		1	24	22.32	PASS

		12	0	21.57	PASS
		12	6	21.47	PASS
		12	13	21.33	PASS
		25	0	21.31	PASS
	HCH	1	0	22.43	PASS
		1	12	21.66	PASS
		1	24	22.19	PASS
		12	0	21.15	PASS
		12	6	20.75	PASS
		12	13	20.61	PASS
		25	0	21.06	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.56	PASS
		1	24	23.32	PASS
		1	49	22.06	PASS
		25	0	22.74	PASS
		25	12	22.36	PASS
		25	25	22.18	PASS
		50	0	22.07	PASS
	MCH	1	0	22.92	PASS
		1	24	23.34	PASS
		1	49	22.85	PASS
		25	0	21.88	PASS
		25	12	22.30	PASS
		25	25	22.12	PASS
		50	0	22.12	PASS
	HCH	1	0	22.43	PASS
		1	24	23.28	PASS
		1	49	22.39	PASS
		25	0	22.37	PASS
		25	12	22.21	PASS
		25	25	21.85	PASS
		50	0	22.21	PASS
16QAM	LCH	1	0	21.33	PASS
		1	24	22.67	PASS
		1	49	21.45	PASS
		25	0	20.78	PASS
		25	12	21.38	PASS
		25	25	21.21	PASS

	MCH	50	0	21.17	PASS
		1	0	21.41	PASS
		1	24	22.71	PASS
		1	49	21.37	PASS
		25	0	20.99	PASS
		25	12	21.33	PASS
		25	25	21.16	PASS
		50	0	21.24	PASS
	HCH	1	0	21.79	PASS
		1	24	22.49	PASS
		1	49	21.75	PASS
		25	0	21.37	PASS
		25	12	21.20	PASS
		25	25	20.98	PASS
		50	0	21.27	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	6	<13	PASS
		1	12	6.29	<13	PASS
		1	24	5.62	<13	PASS
		12	0	6.27	<13	PASS
		12	6	6.21	<13	PASS
		12	13	6.09	<13	PASS
		25	0	6.22	<13	PASS
	MCH	1	0	5.67	<13	PASS
		1	12	4.85	<13	PASS
		1	24	4.4	<13	PASS
		12	0	5.78	<13	PASS
		12	6	5.47	<13	PASS
		12	13	5.06	<13	PASS
		25	0	5.48	<13	PASS
	HCH	1	0	4.45	<13	PASS
		1	12	4.92	<13	PASS
		1	24	4.95	<13	PASS
		12	0	5.16	<13	PASS
		12	6	5.3	<13	PASS
		12	13	5.76	<13	PASS
		25	0	5.51	<13	PASS
16QAM	LCH	1	0	6.6	<13	PASS
		1	12	7.1	<13	PASS
		1	24	6.31	<13	PASS
		12	0	6.94	<13	PASS
		12	6	6.9	<13	PASS
		12	13	6.94	<13	PASS
		25	0	6.71	<13	PASS
	MCH	1	0	6.57	<13	PASS
		1	12	5.98	<13	PASS
		1	24	5.38	<13	PASS
		12	0	6.51	<13	PASS

		12	6	6.2	<13	PASS
		12	13	5.94	<13	PASS
		25	0	6.18	<13	PASS
	HCH	1	0	5.37	<13	PASS
		1	12	5.76	<13	PASS
		1	24	5.86	<13	PASS
		12	0	5.89	<13	PASS
		12	6	6.08	<13	PASS
		12	13	6.43	<13	PASS
		25	0	6.15	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.8	<13	PASS
		1	24	5.33	<13	PASS
		1	49	4.97	<13	PASS
		25	0	6.22	<13	PASS
		25	12	5.71	<13	PASS
		25	25	5.26	<13	PASS
		50	0	5.47	<13	PASS
	MCH	1	0	5.69	<13	PASS
		1	24	4.69	<13	PASS
		1	49	5.18	<13	PASS
		25	0	5.97	<13	PASS
		25	12	5.39	<13	PASS
		25	25	5.19	<13	PASS
		50	0	5.37	<13	PASS
	HCH	1	0	6	<13	PASS
		1	24	4.61	<13	PASS
		1	49	5.27	<13	PASS
		25	0	5.68	<13	PASS
		25	12	5.15	<13	PASS
		25	25	5.37	<13	PASS
		50	0	5.36	<13	PASS
16QAM	LCH	1	0	6.92	<13	PASS
		1	24	6.28	<13	PASS
		1	49	5.87	<13	PASS
		25	0	6.87	<13	PASS
		25	12	6.55	<13	PASS

		25	25	5.97	<13	PASS
		50	0	6.24	<13	PASS
	MCH	1	0	6.3	<13	PASS
		1	24	5.77	<13	PASS
		1	49	6.13	<13	PASS
		25	0	6.74	<13	PASS
		25	12	6.24	<13	PASS
		25	25	5.99	<13	PASS
		50	0	6.15	<13	PASS
	HCH	1	0	6.79	<13	PASS
		1	24	5.51	<13	PASS
		1	49	6.24	<13	PASS
		25	0	6.43	<13	PASS
		25	12	6.1	<13	PASS
		25	25	6.21	<13	PASS
		50	0	6.14	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



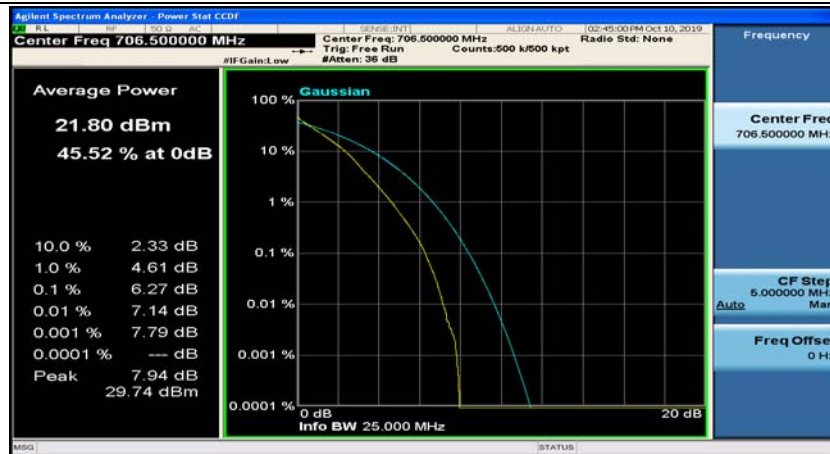
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



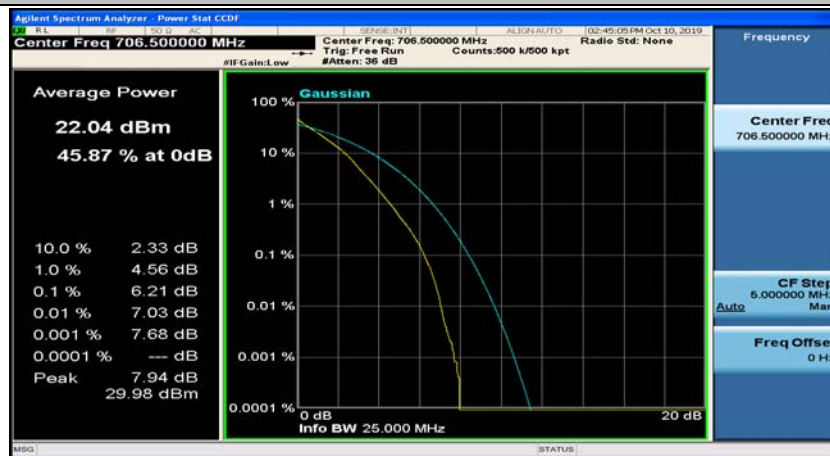
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



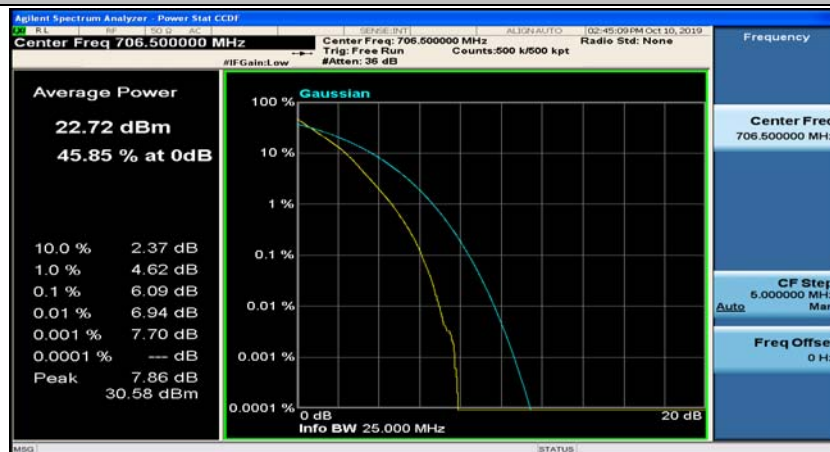
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



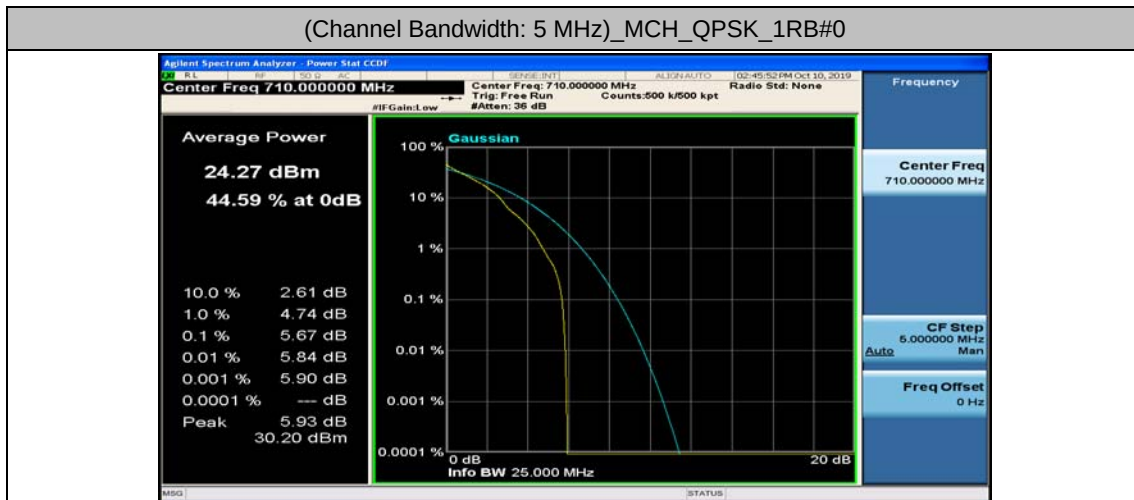
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



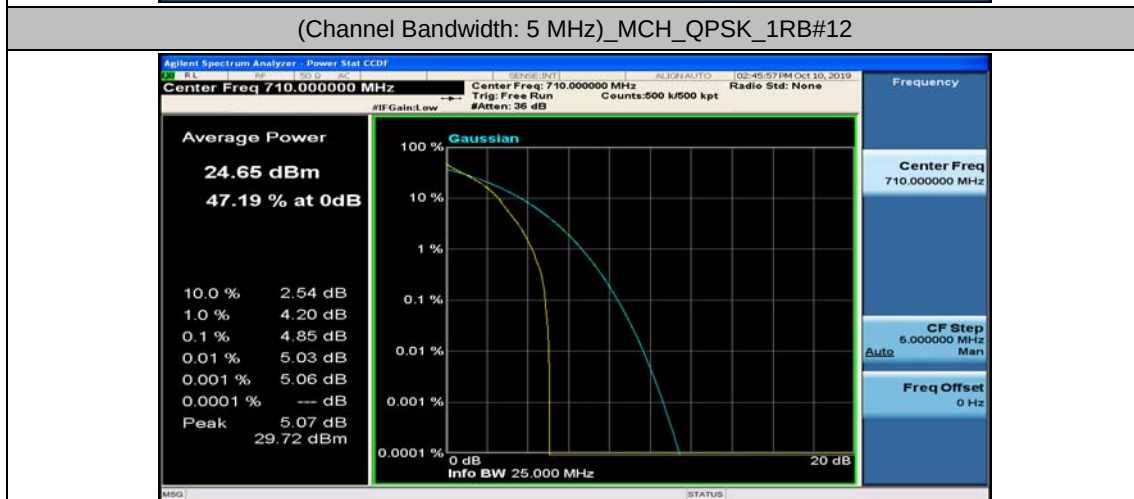
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



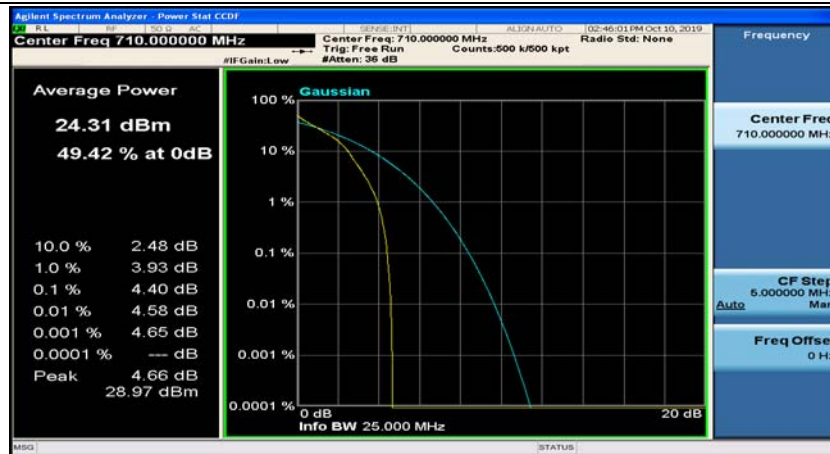
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



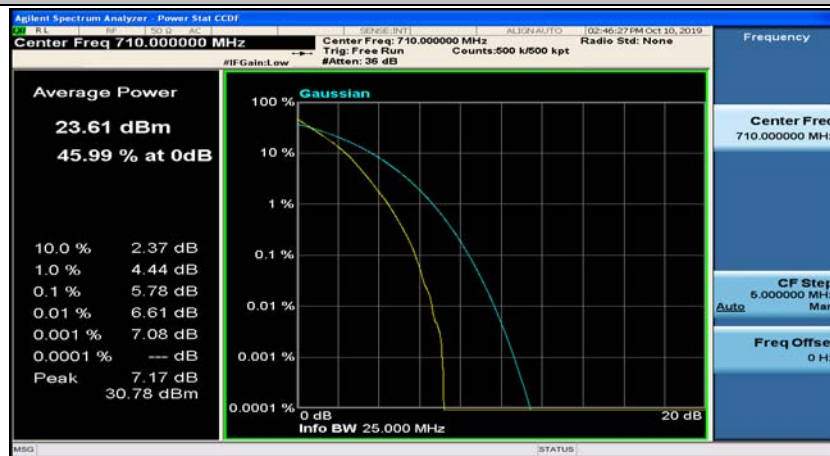
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



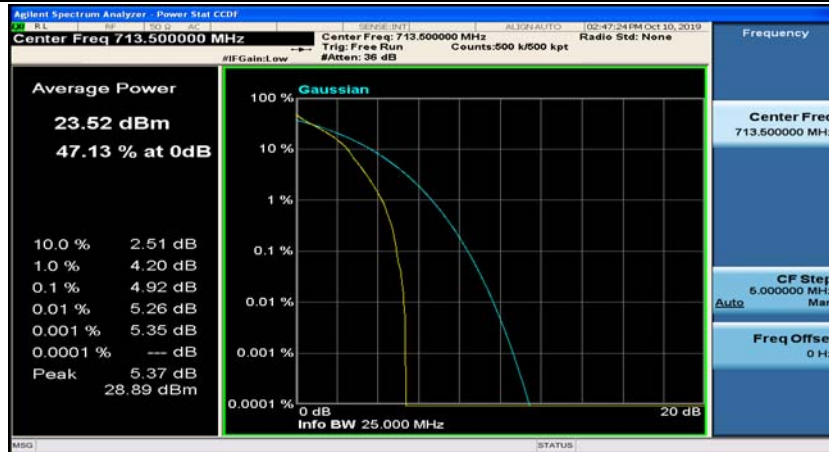
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



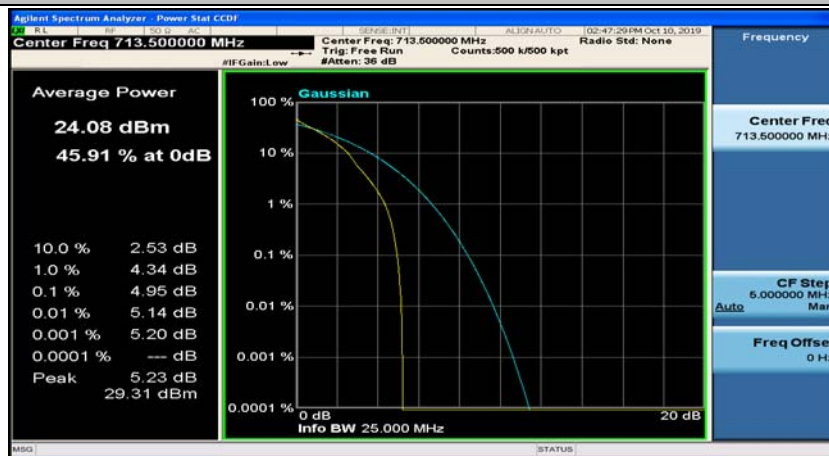
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



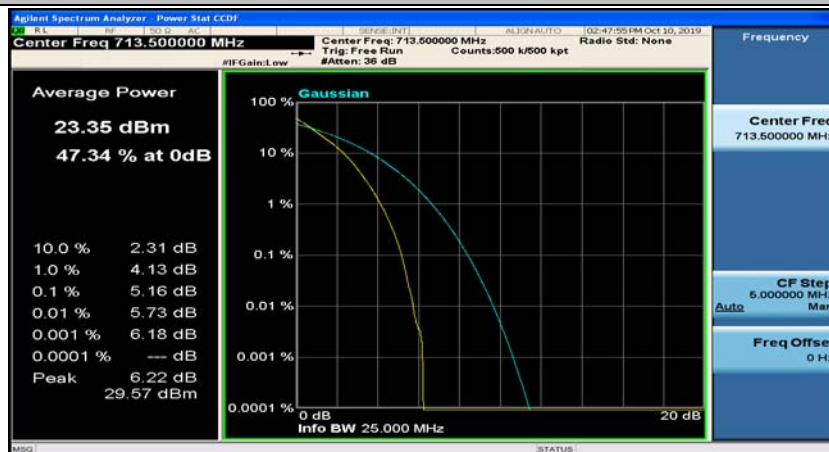
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



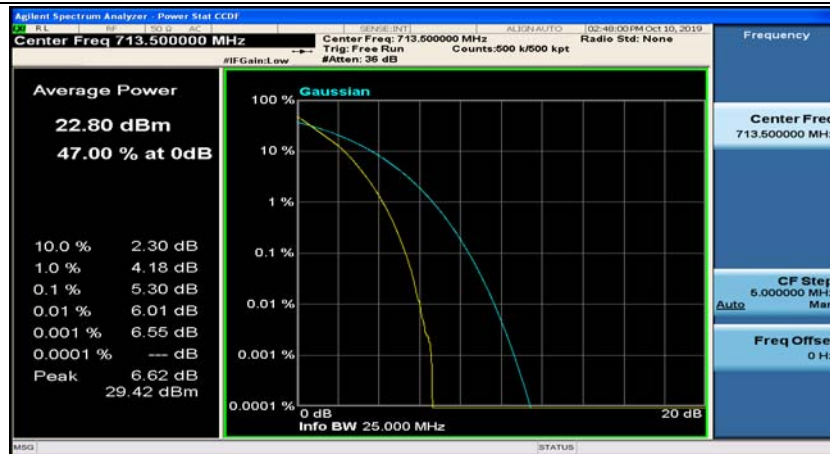
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



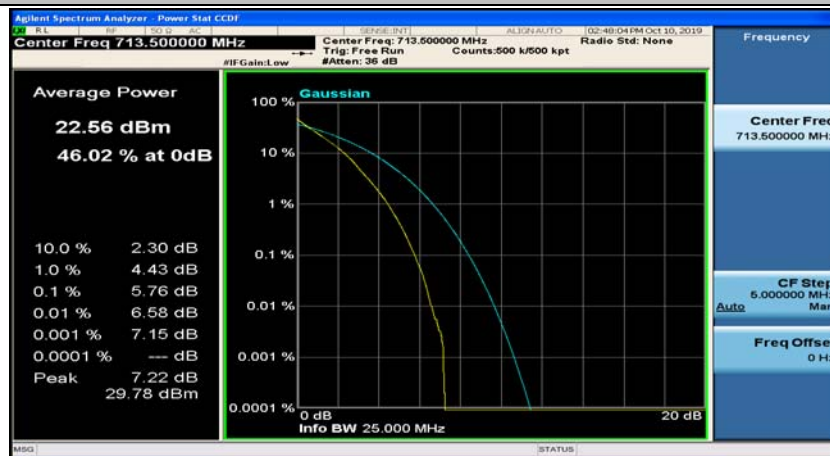
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



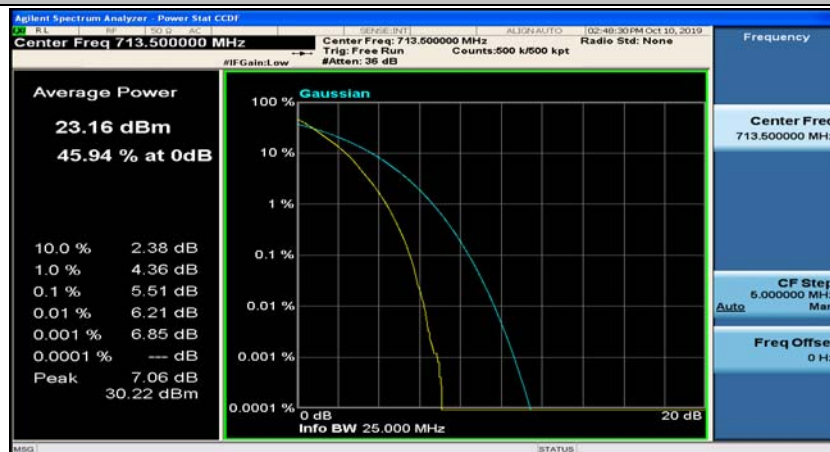
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



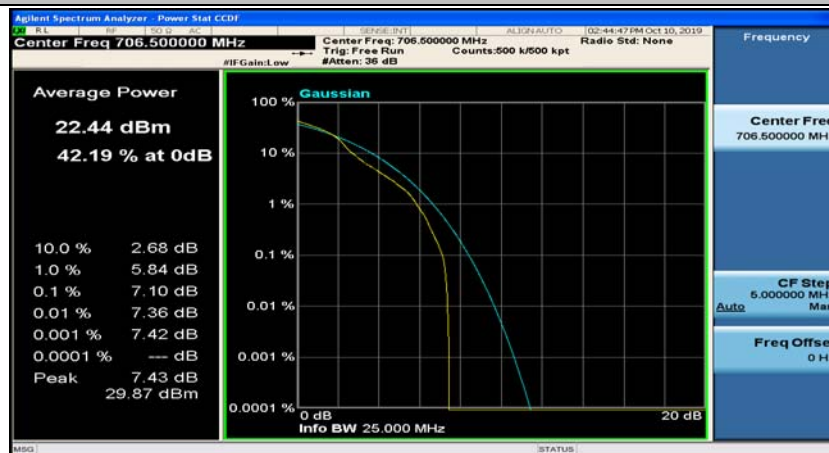
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



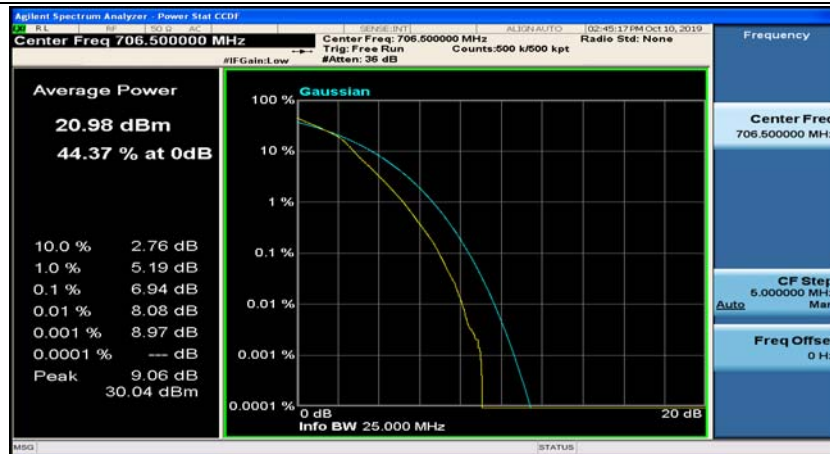
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



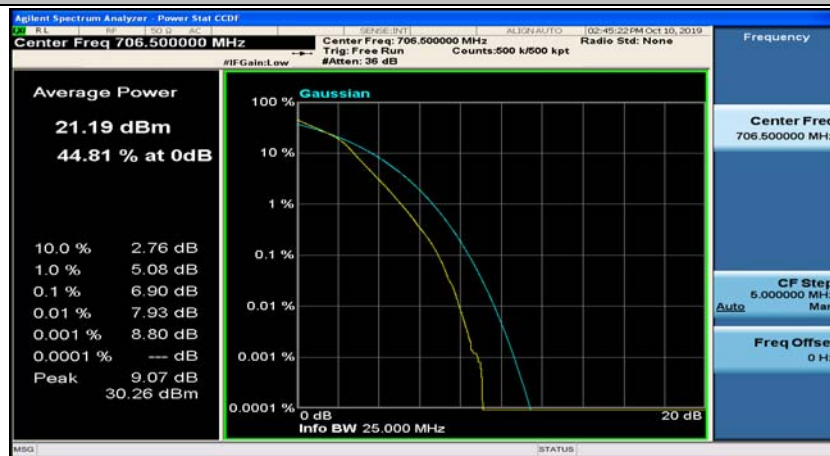
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



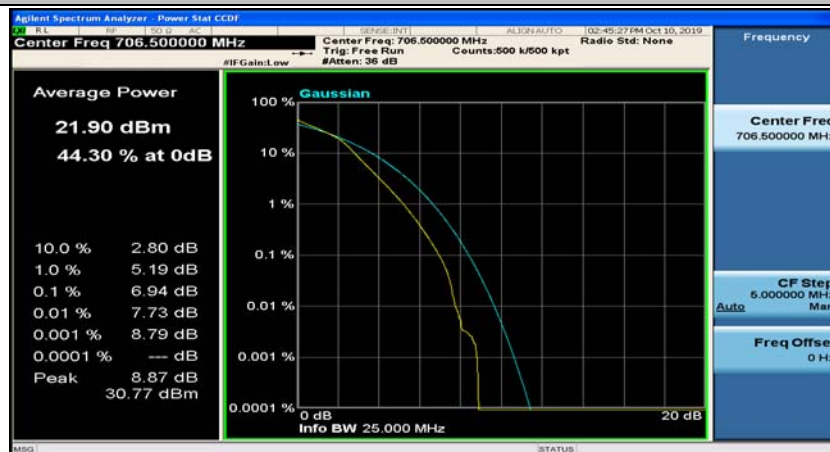
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



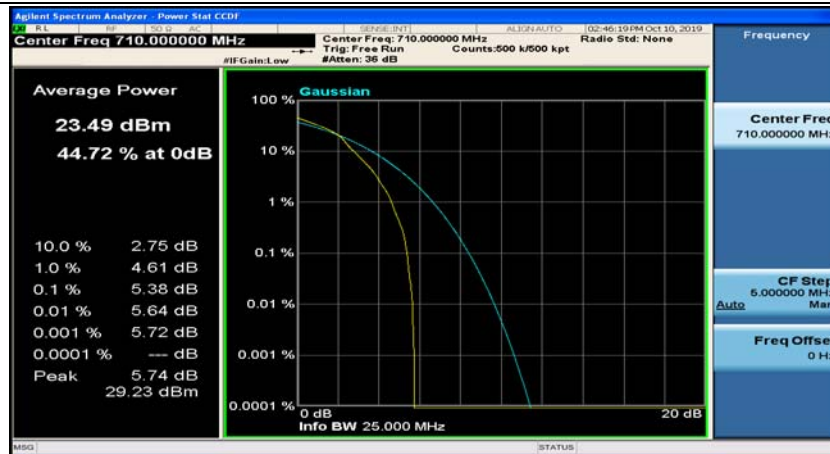
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



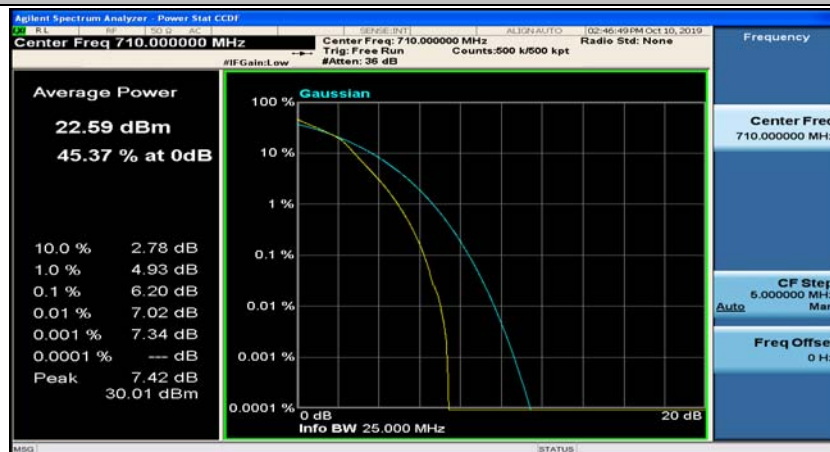
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



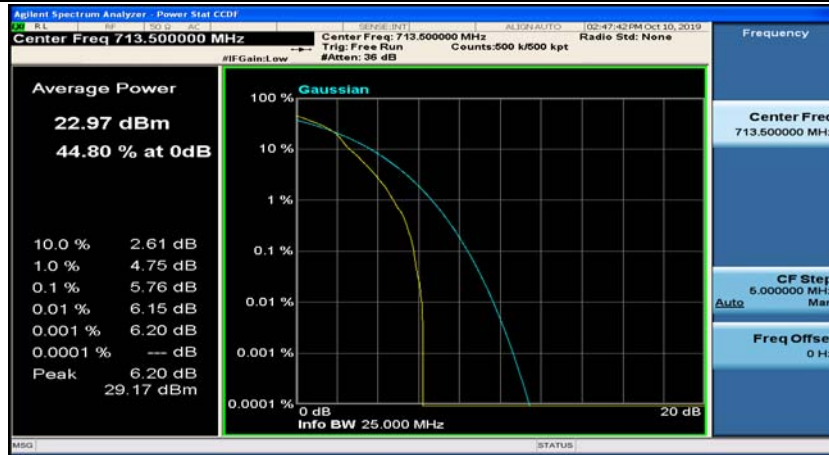
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



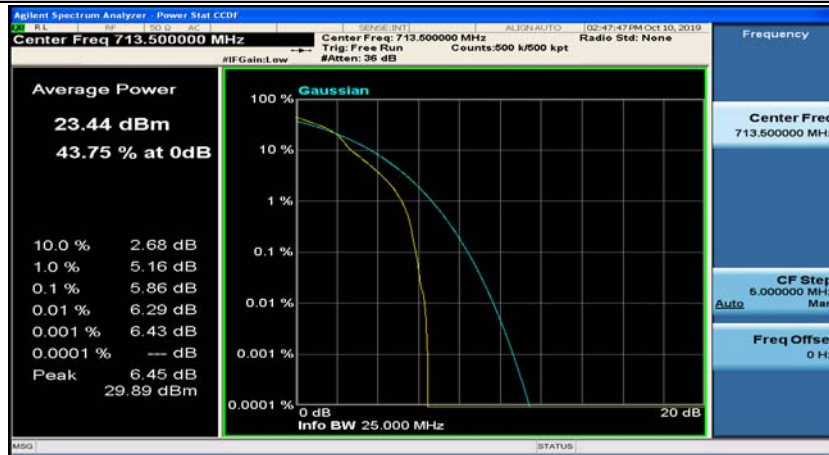
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



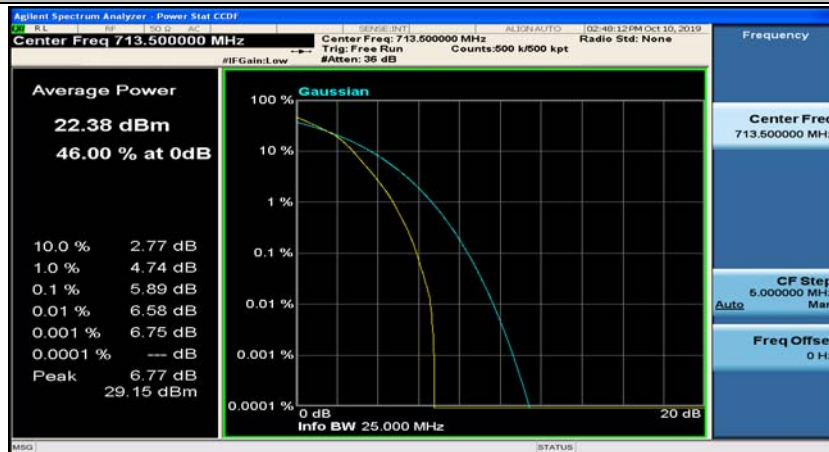
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



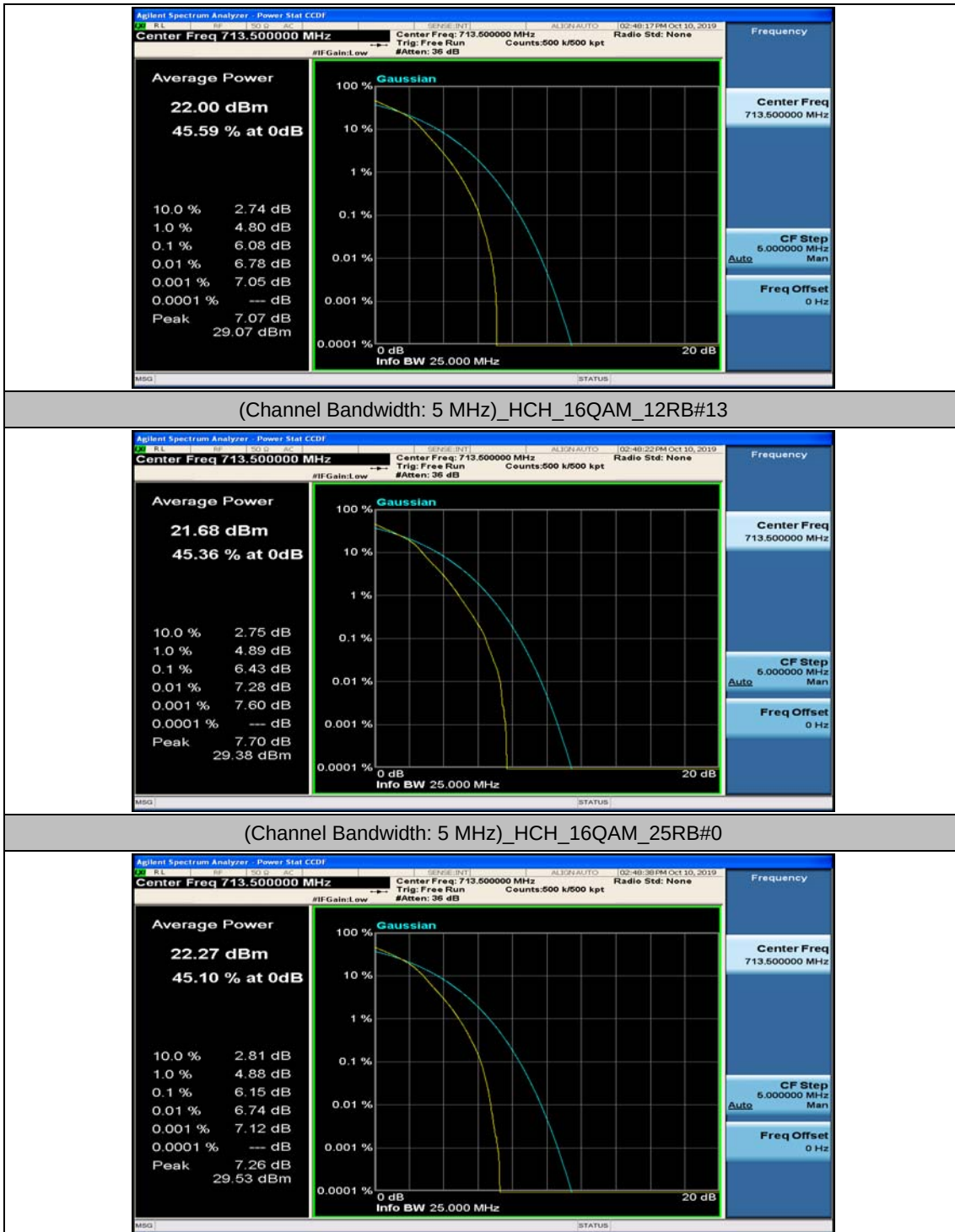
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



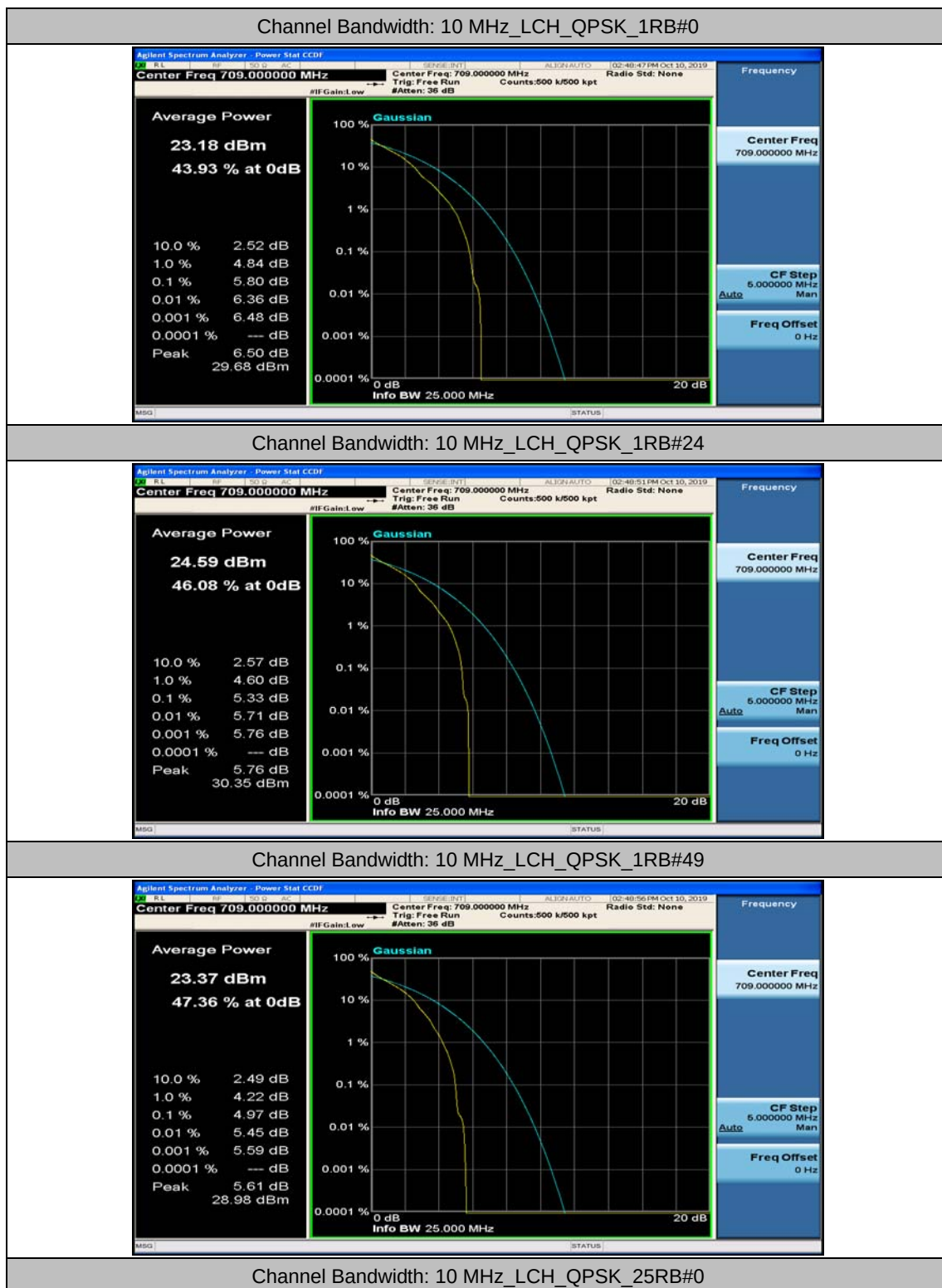
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

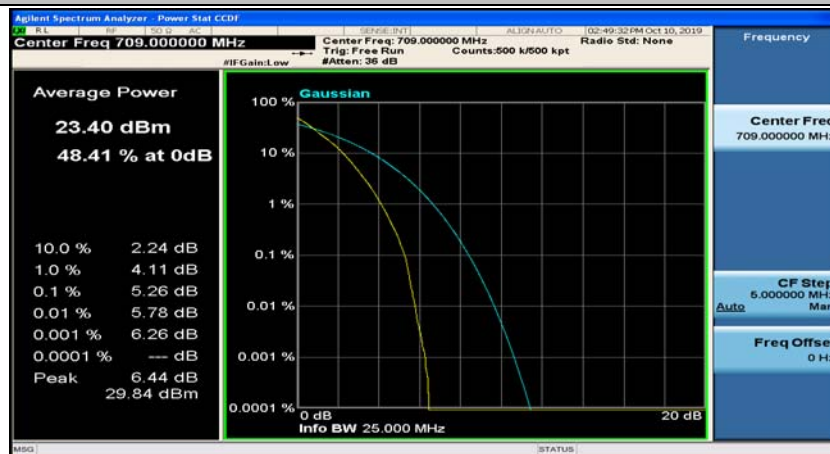
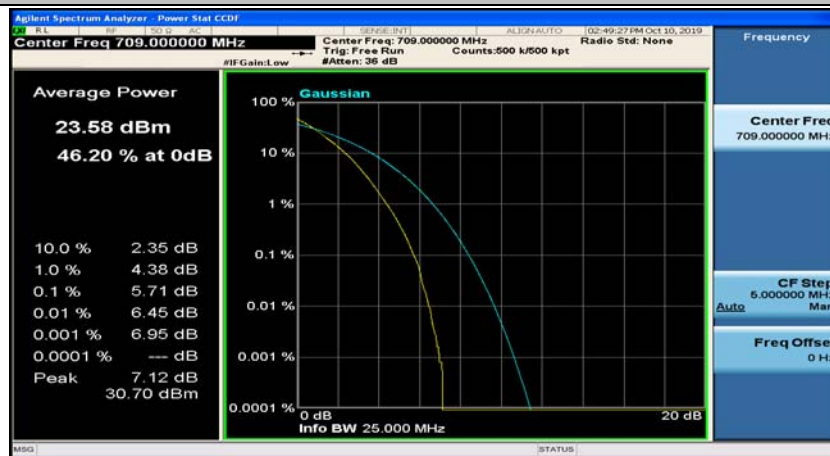
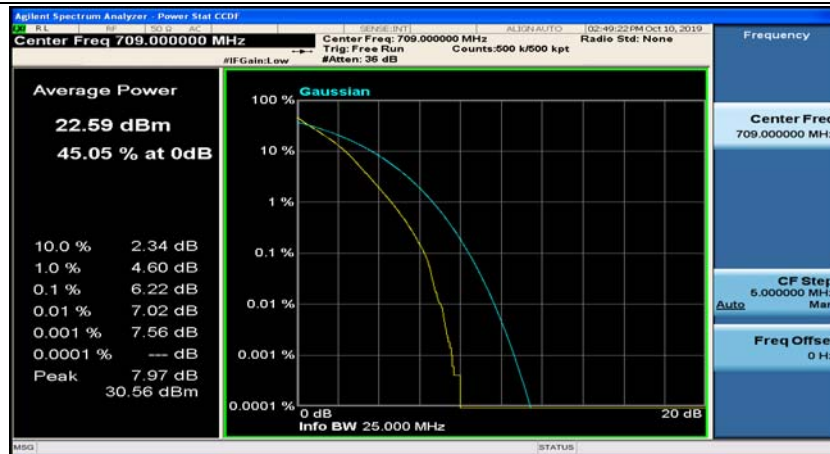


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



Channel Bandwidth: 10 MHz



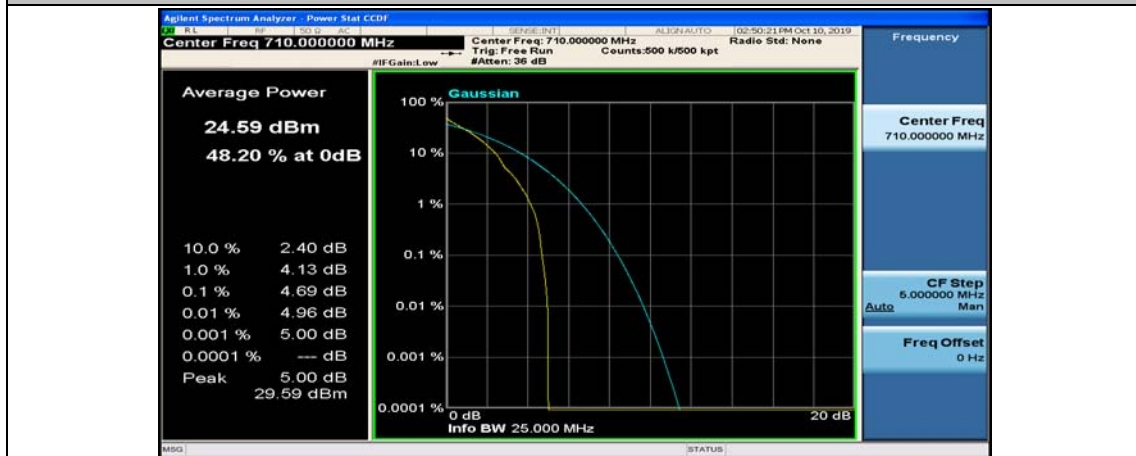




Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

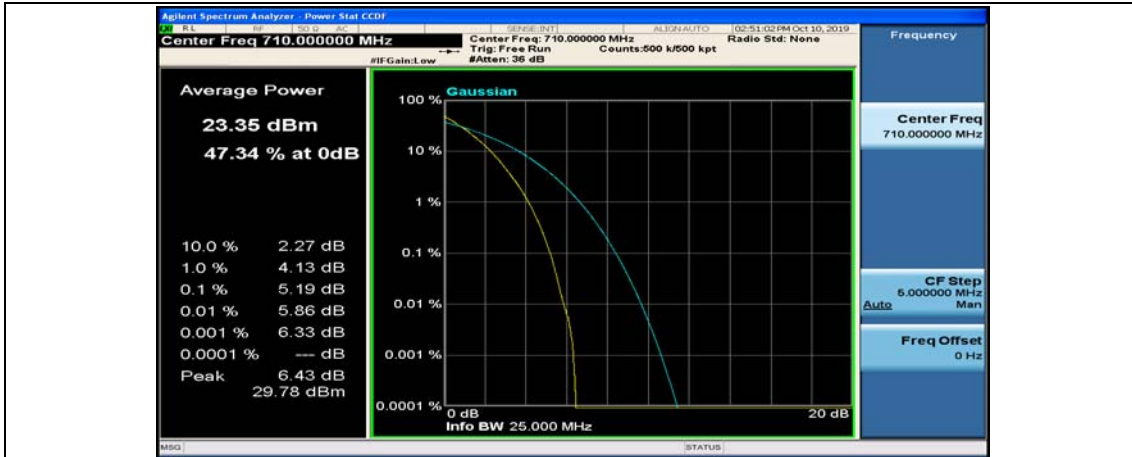


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

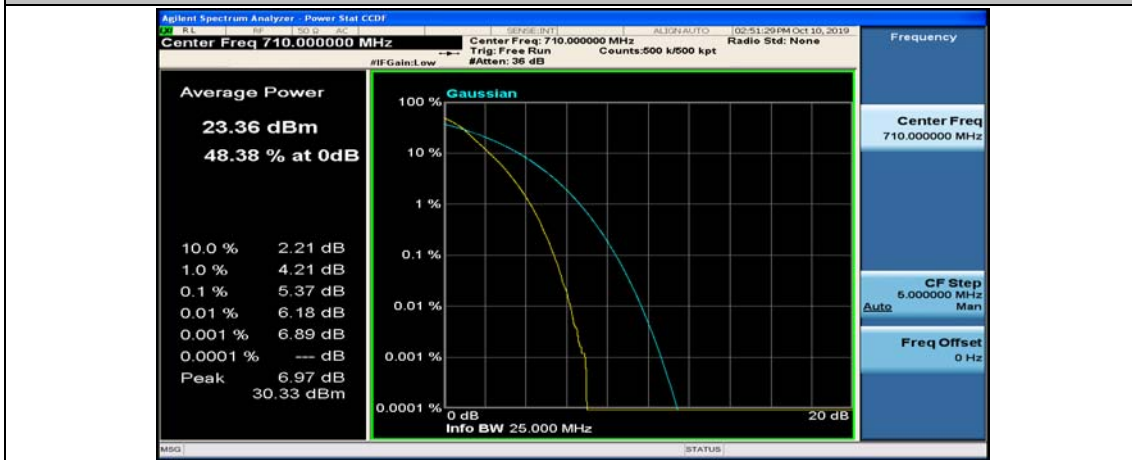


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49





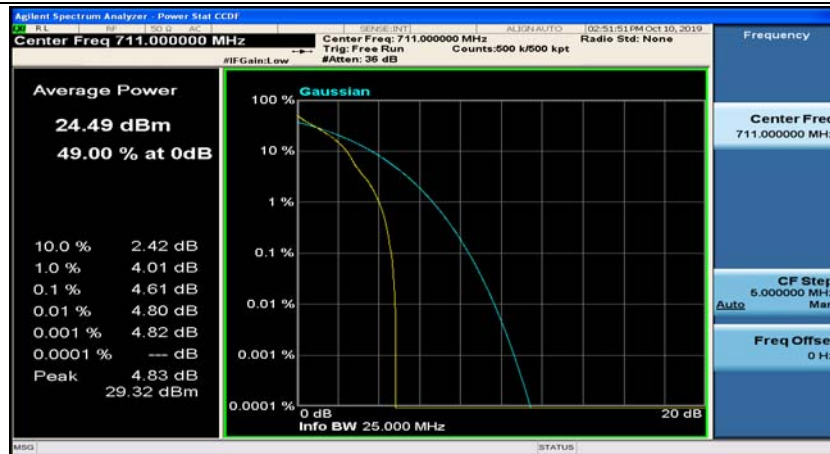
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



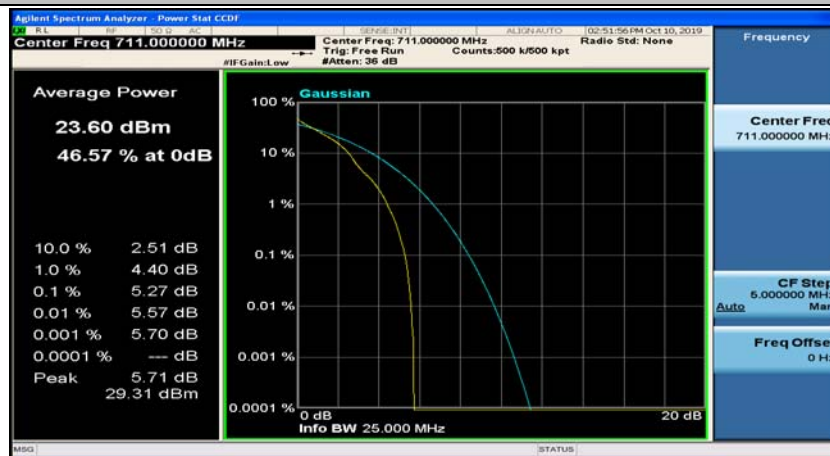
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



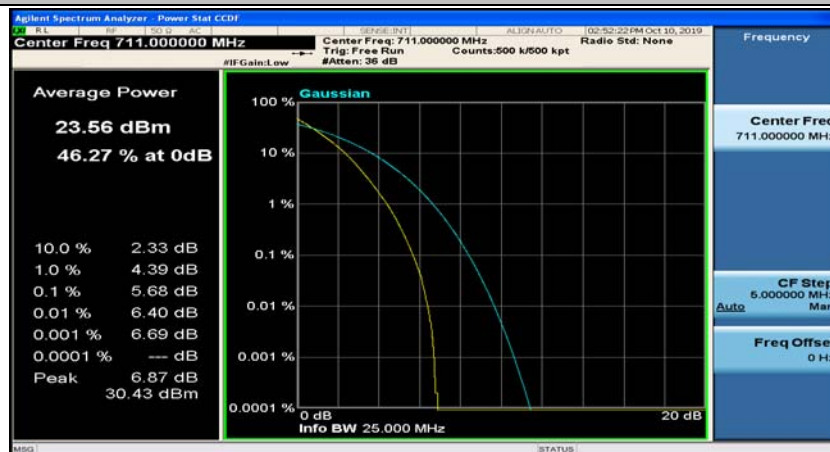
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



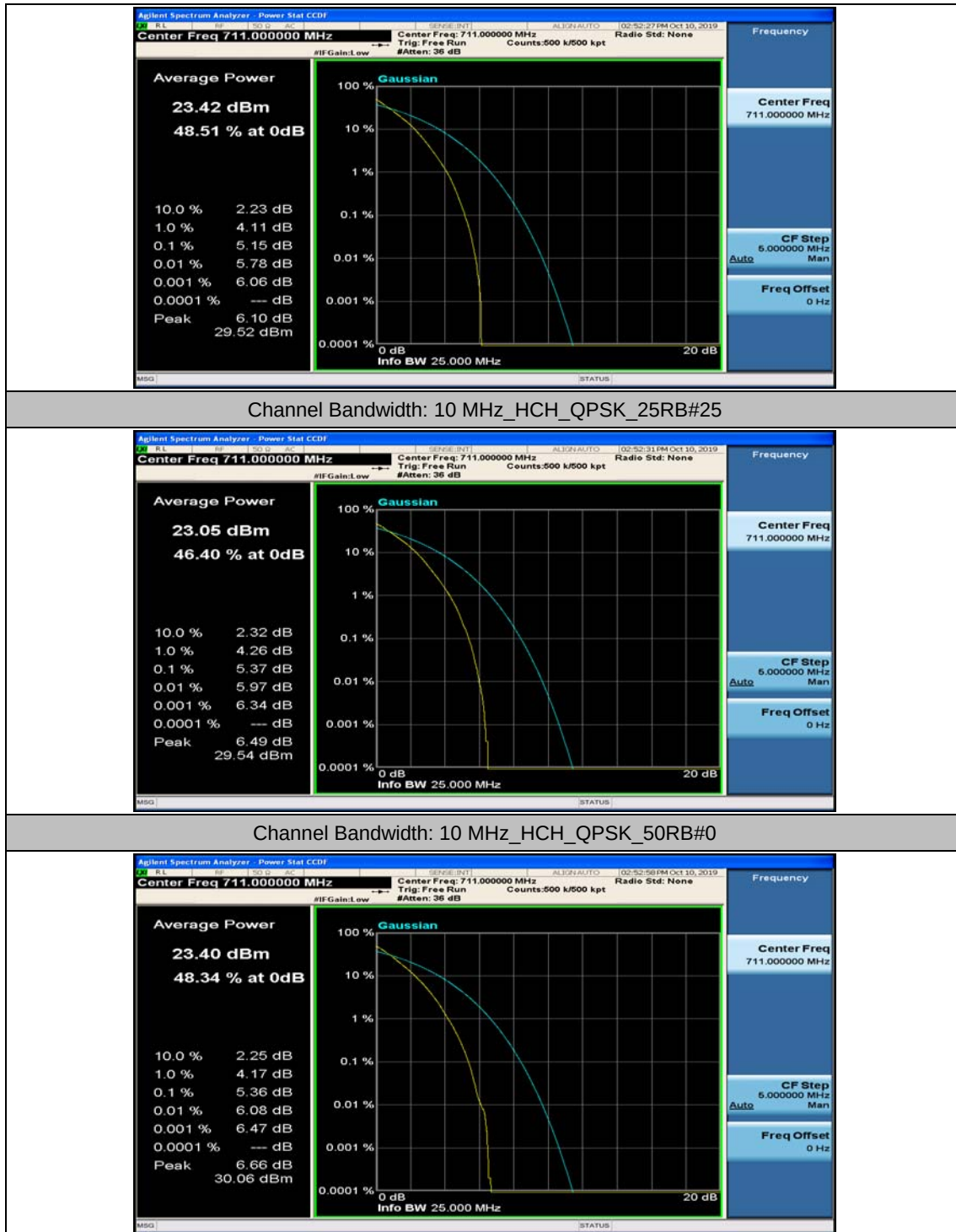
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



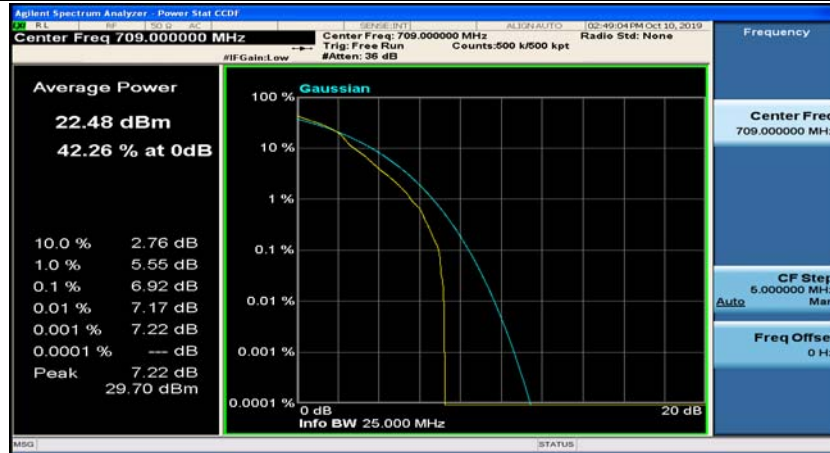
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



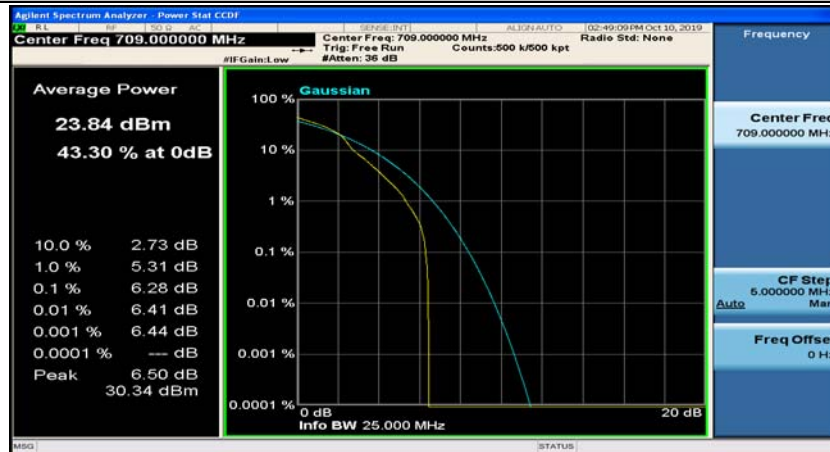
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



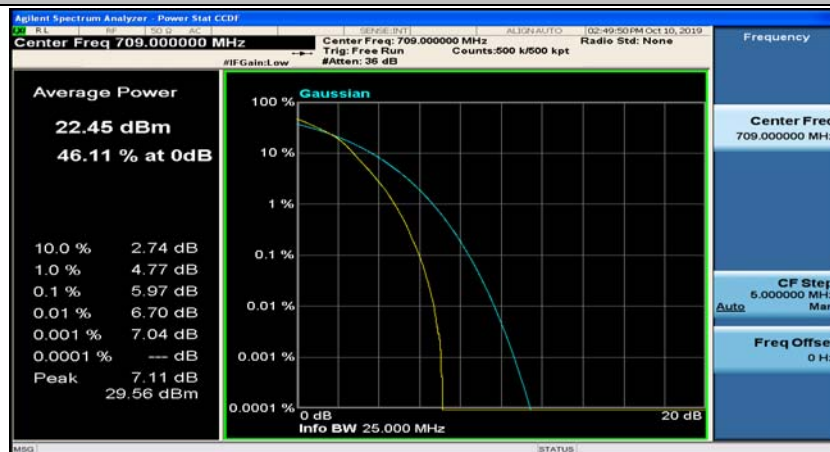
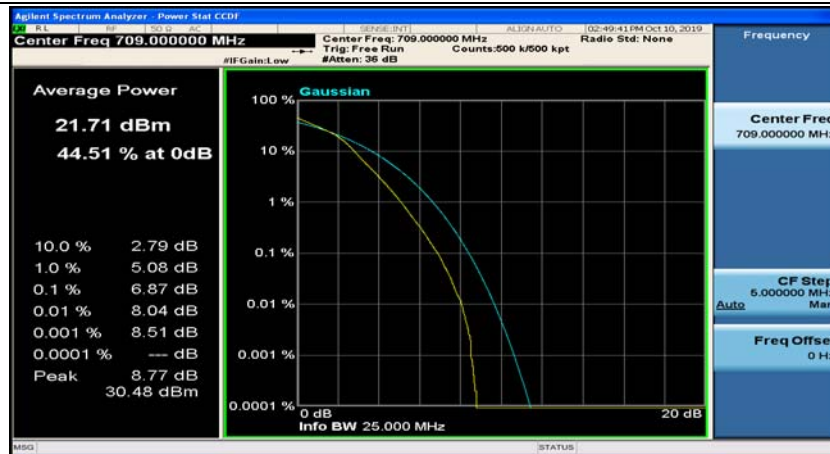
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

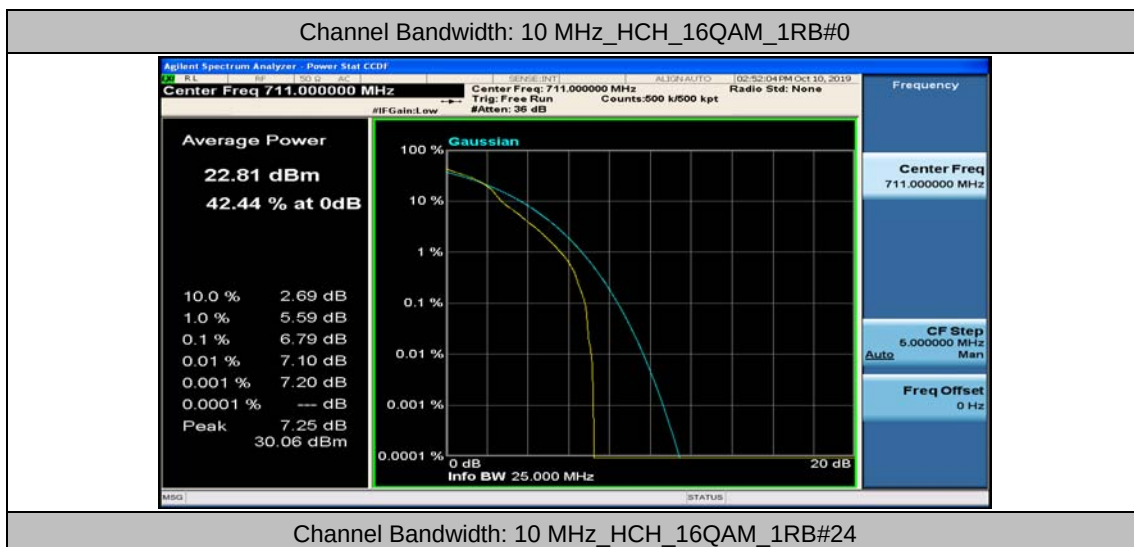


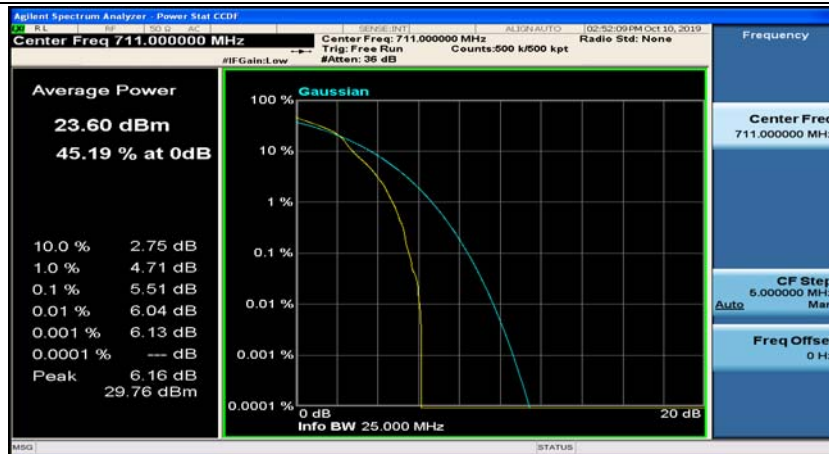
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

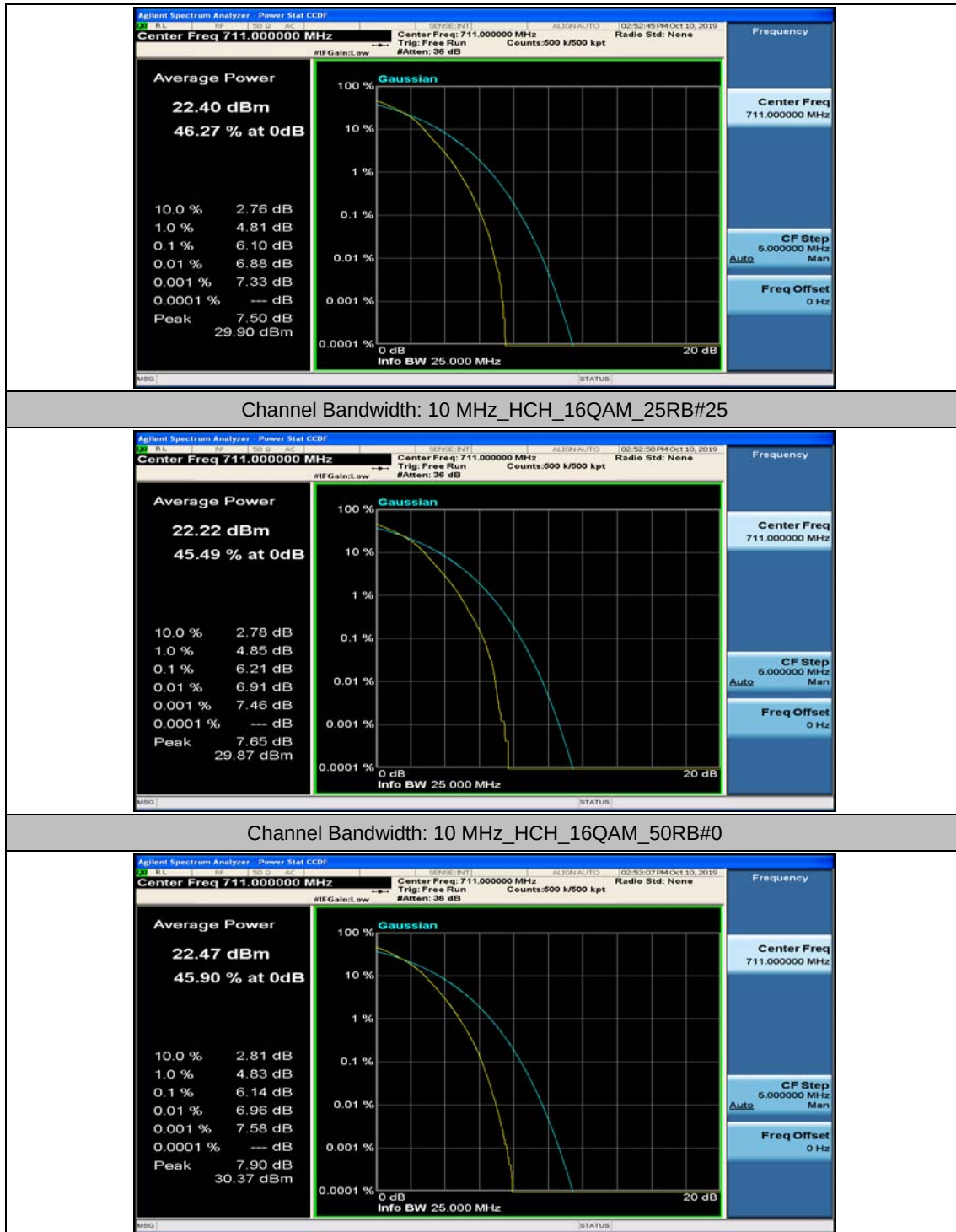


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49









Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4806	4.885	PASS
	MCH	25	0	4.4686	4.816	PASS
	HCH	25	0	4.4858	4.850	PASS
16QAM	LCH	25	0	4.4847	4.845	PASS
	MCH	25	0	4.4725	4.792	PASS
	HCH	25	0	4.4808	4.845	PASS

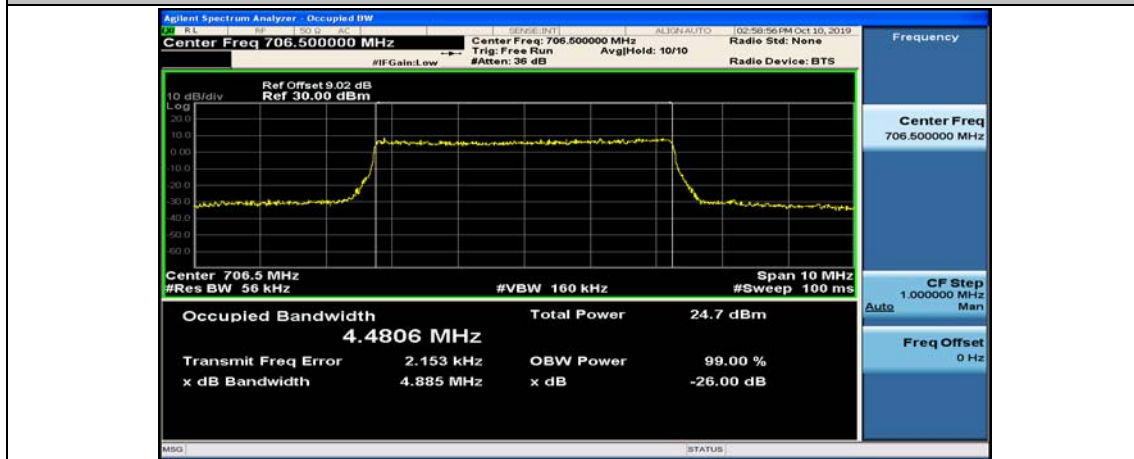
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9172	9.409	PASS
	MCH	50	0	8.8983	9.372	PASS
	HCH	50	0	8.9110	9.326	PASS
16QAM	LCH	50	0	8.9260	9.425	PASS
	MCH	50	0	8.9035	9.389	PASS
	HCH	50	0	8.8920	9.313	PASS

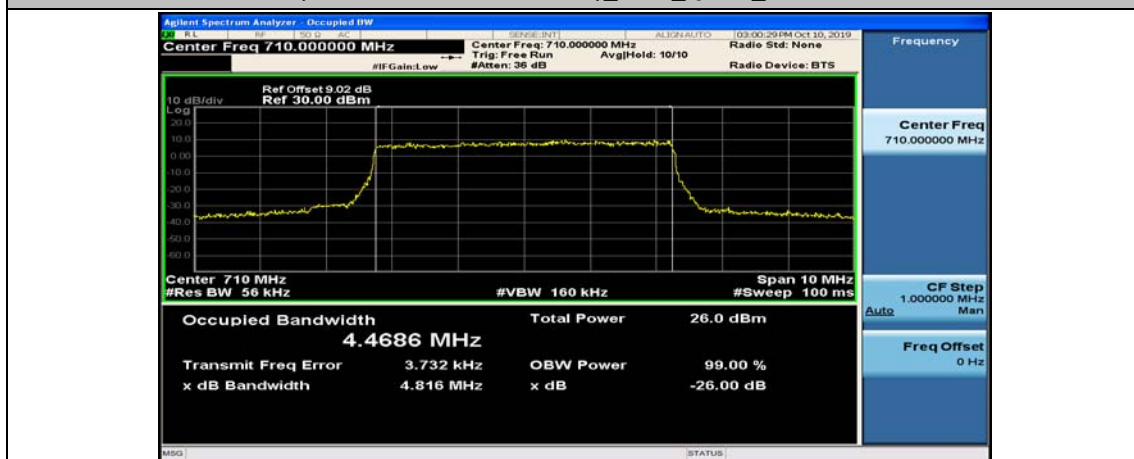
Test Graphs

Channel Bandwidth: 5 MHz

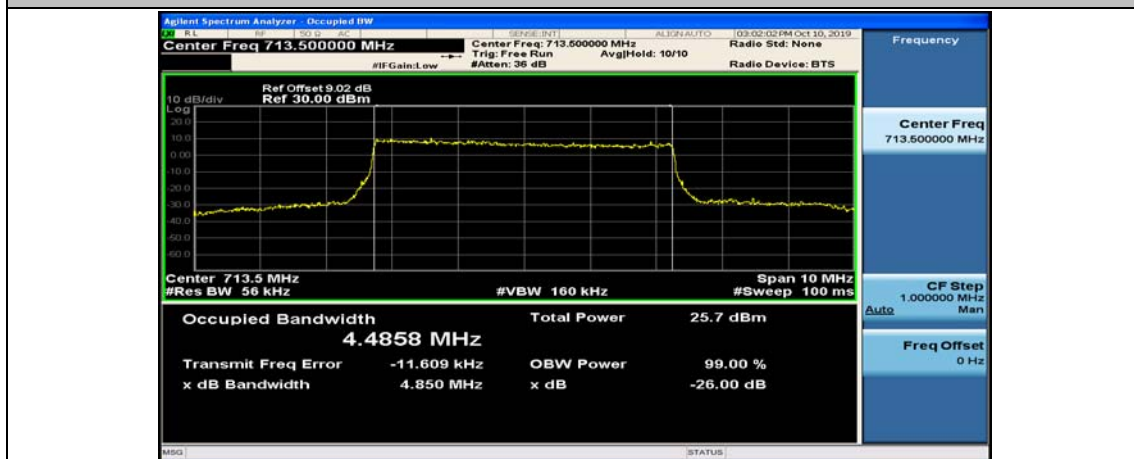
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



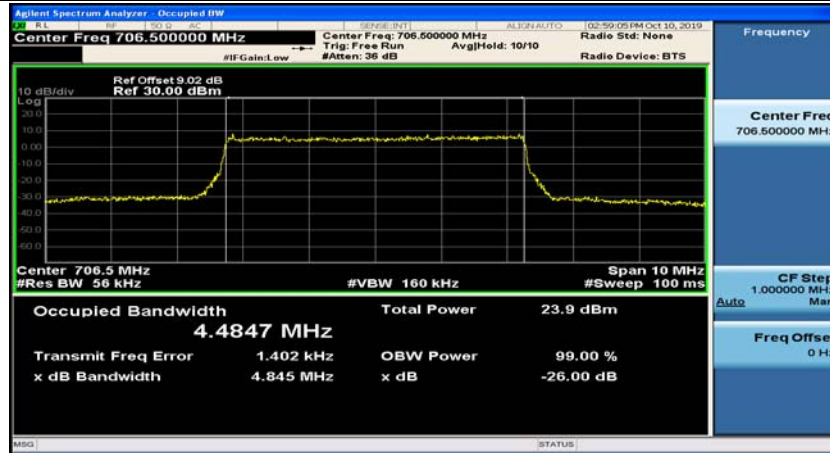
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



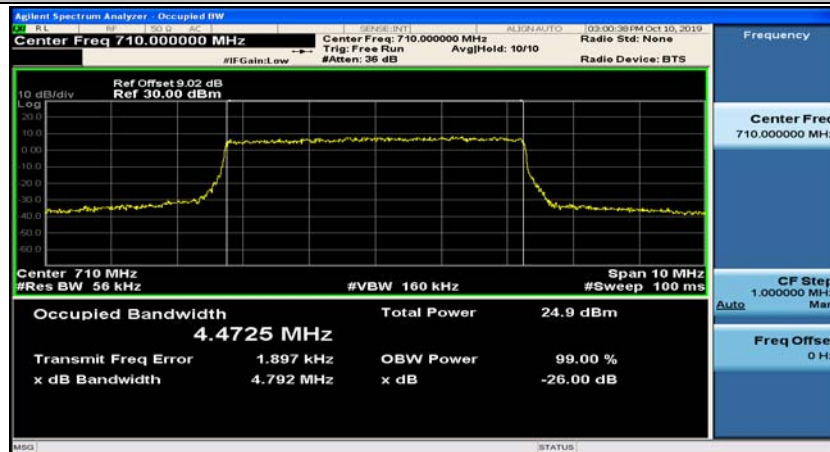
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



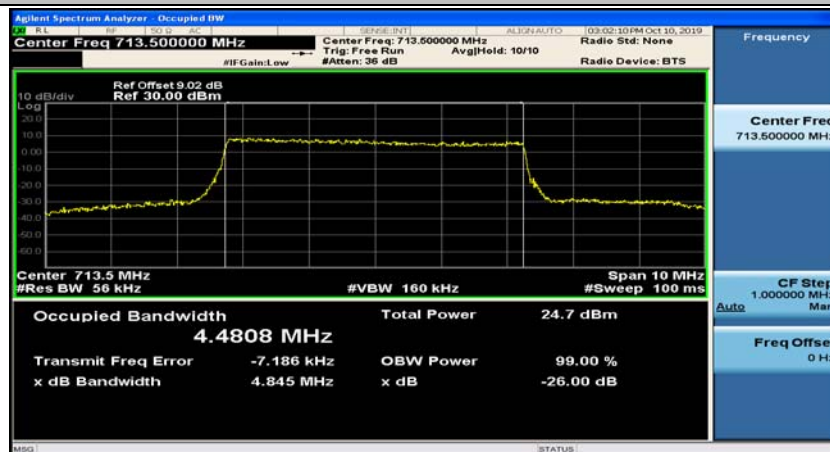
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



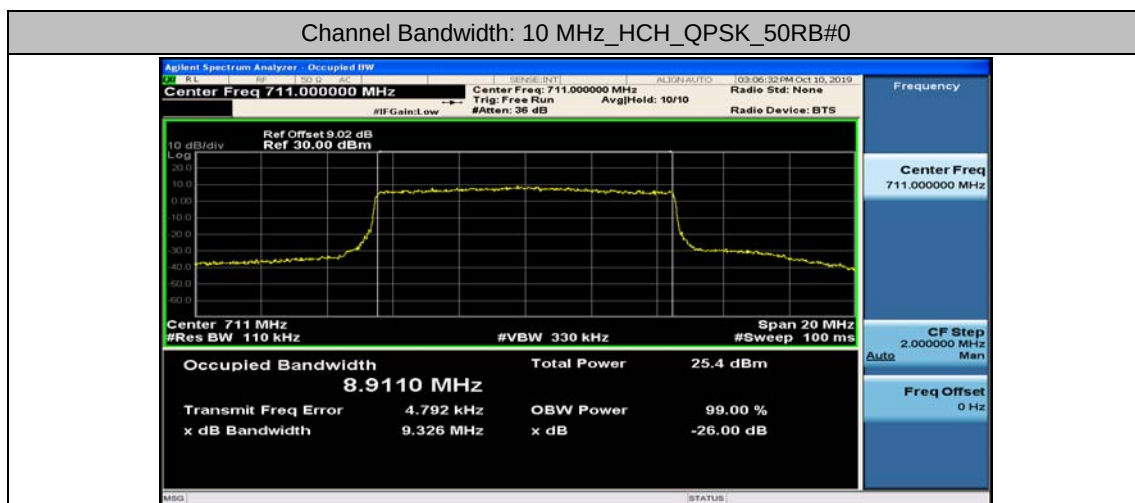
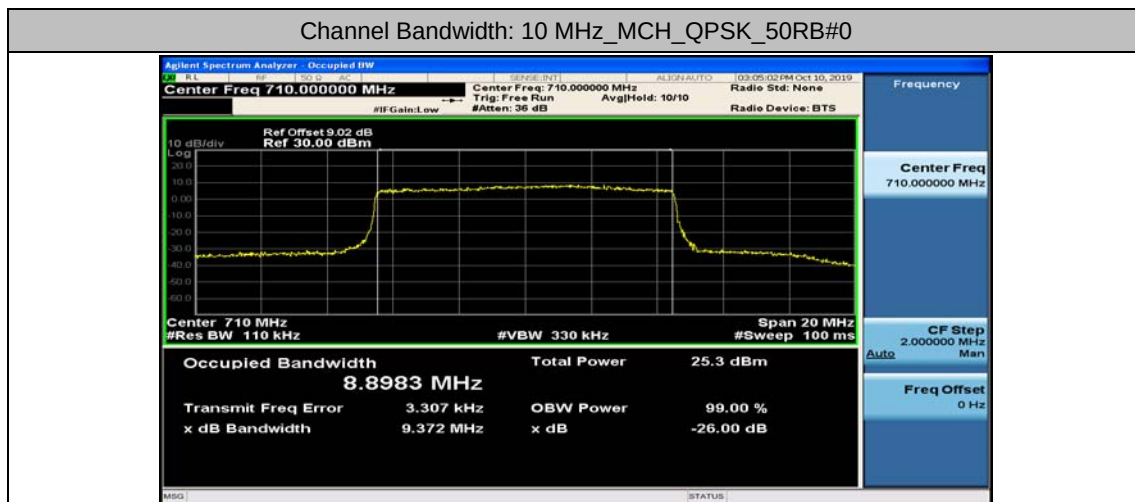
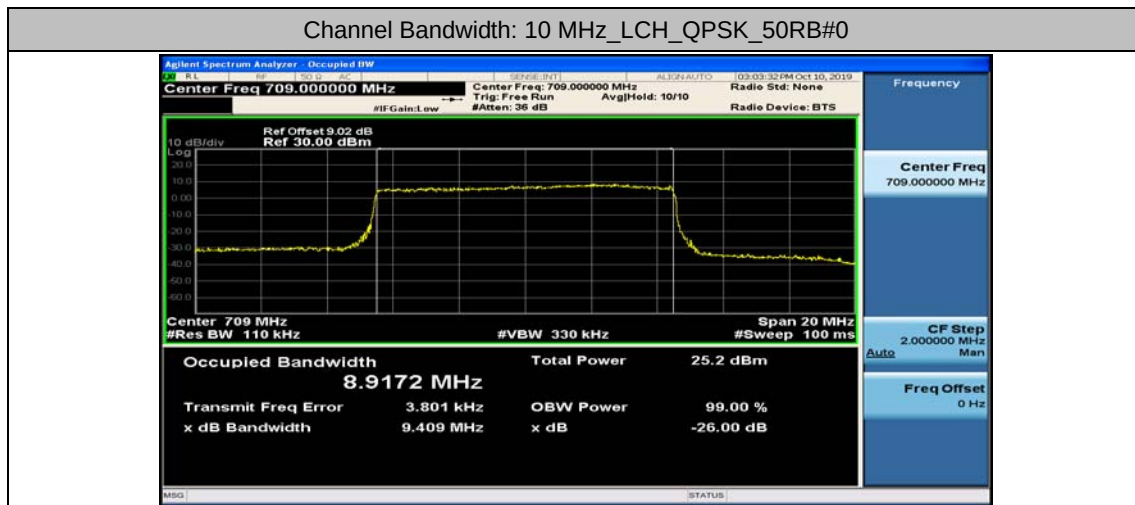
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



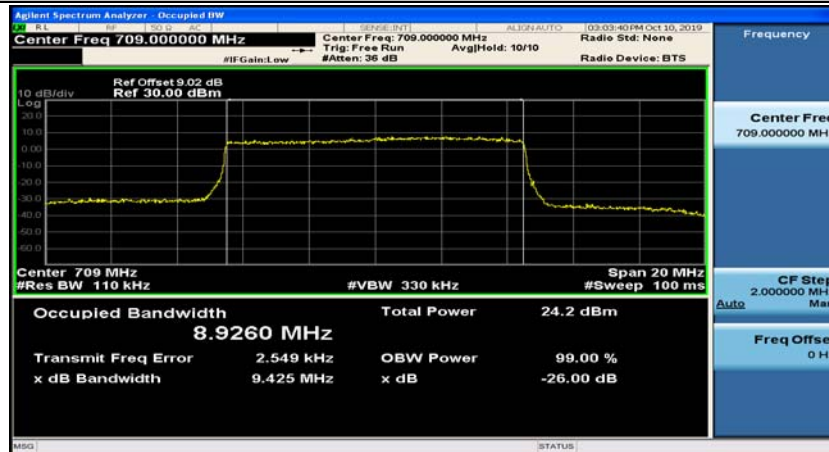
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



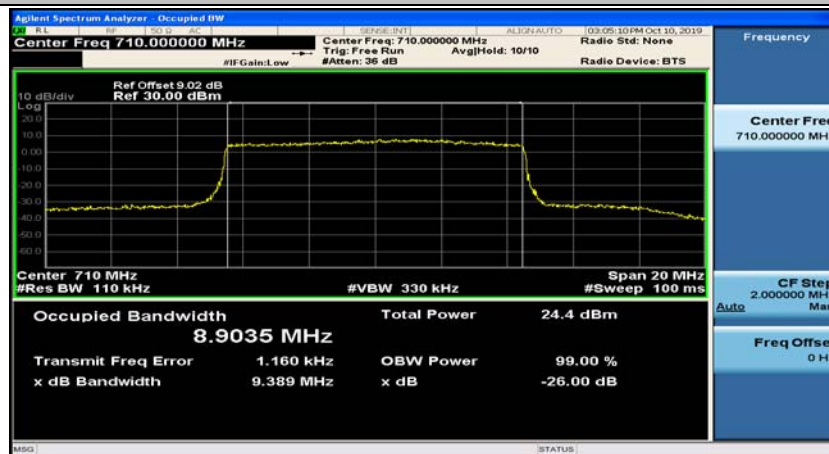
Channel Bandwidth: 10 MHz



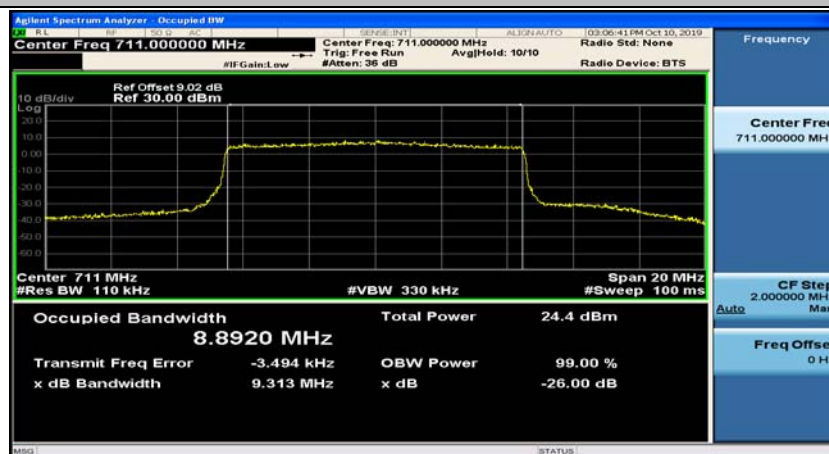
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



Appendix D: Band Edge

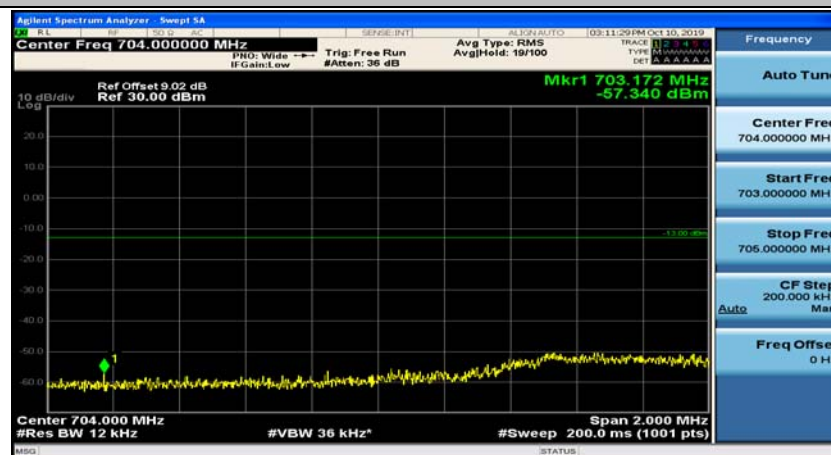
Test Graphs

Channel Bandwidth: 5 MHz

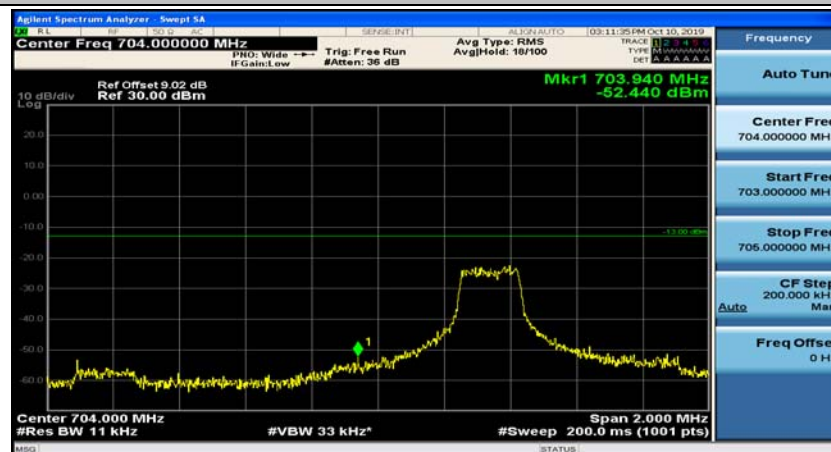
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



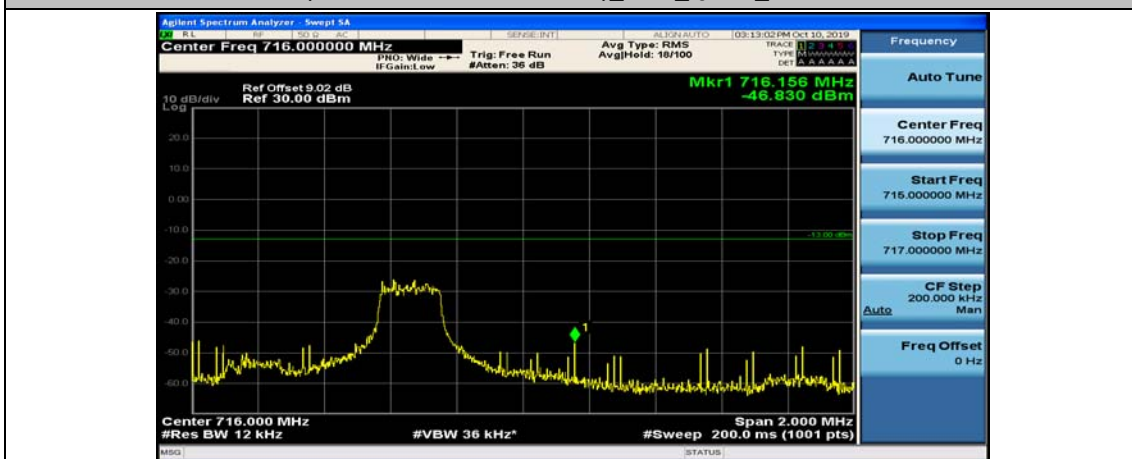
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



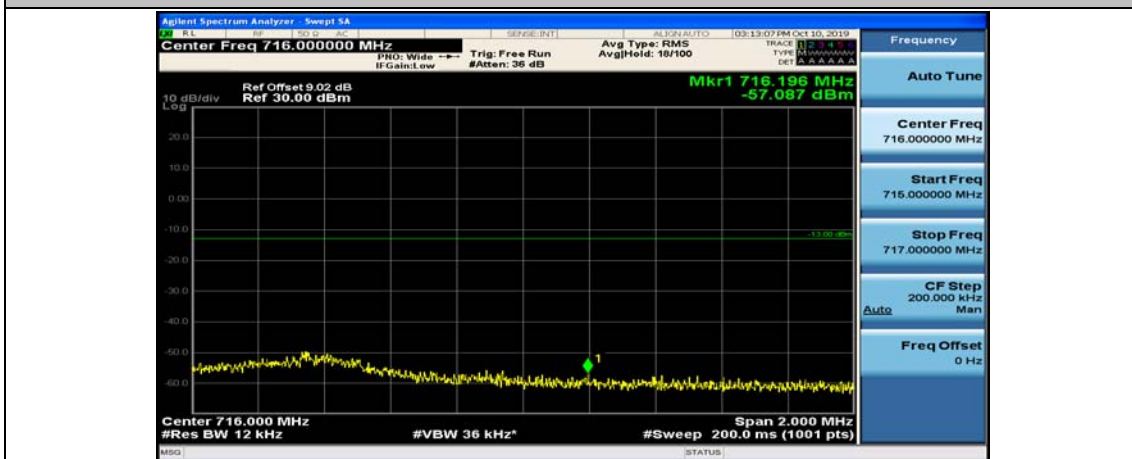
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



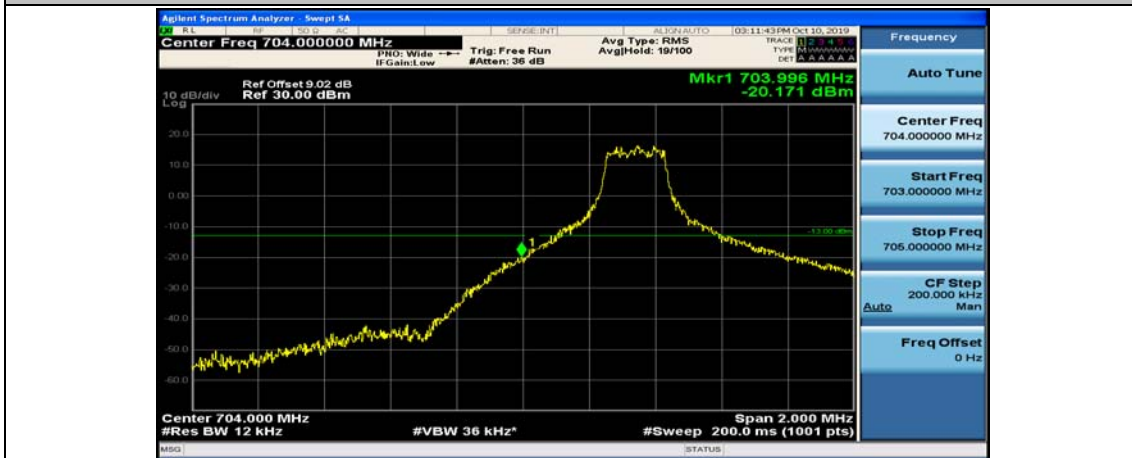
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



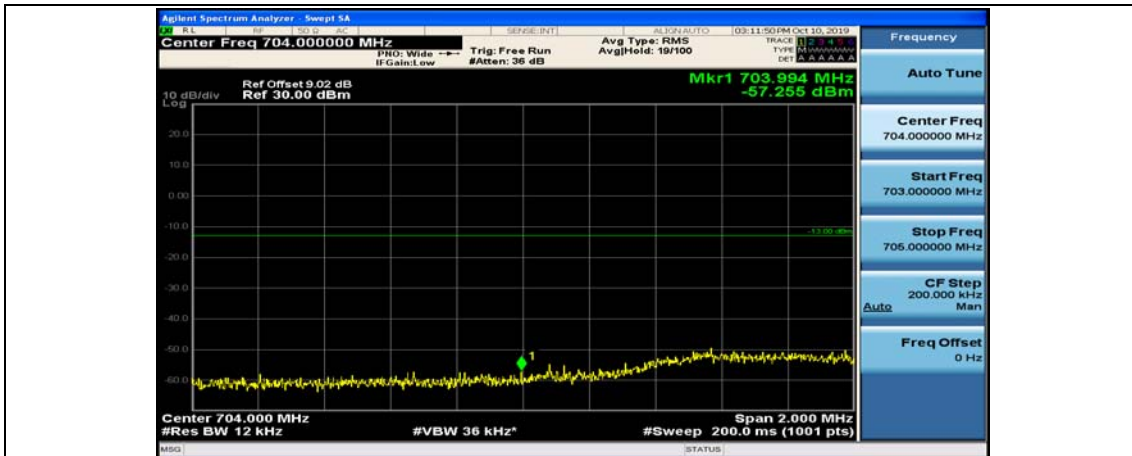
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



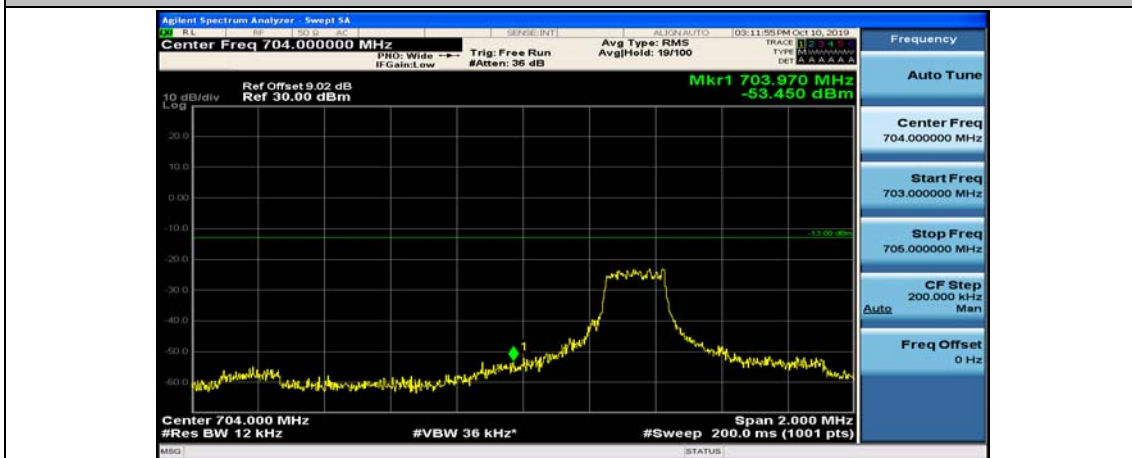
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



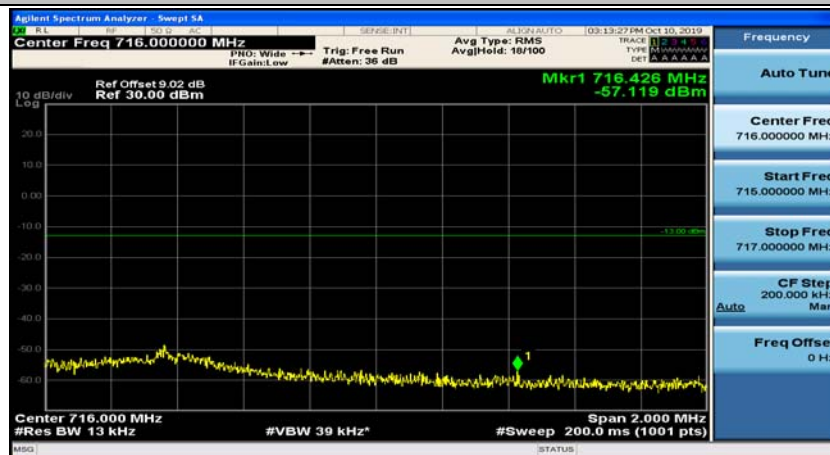
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



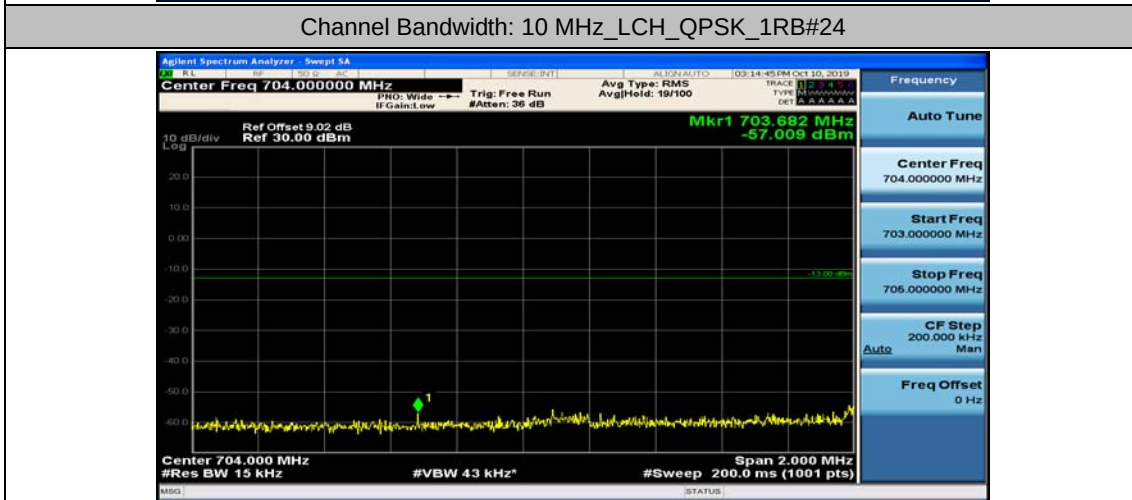
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13



(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz



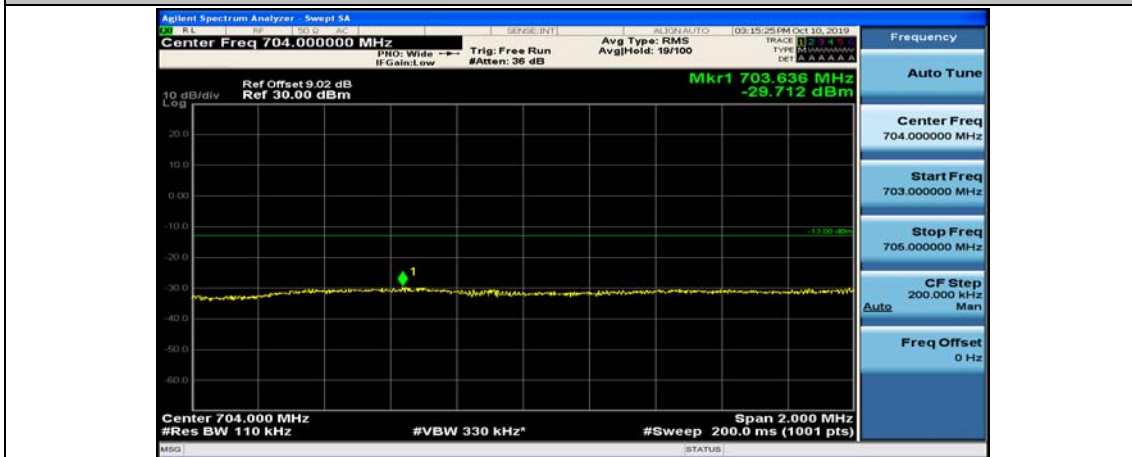
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25