

Appendix for Band 7

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	22.73	PASS
		1	12	23.07	PASS
		1	24	22.73	PASS
		12	0	21.64	PASS
		12	6	21.69	PASS
		12	13	21.71	PASS
		25	0	21.80	PASS
	MCH	1	0	22.64	PASS
		1	12	22.71	PASS
		1	24	22.30	PASS
		12	0	21.52	PASS
		12	6	21.61	PASS
		12	13	21.63	PASS
		25	0	21.63	PASS
	HCH	1	0	22.54	PASS
		1	12	22.73	PASS
		1	24	22.26	PASS
		12	0	21.33	PASS
		12	6	21.39	PASS
		12	13	21.11	PASS
		25	0	21.36	PASS
16QAM	LCH	1	0	21.93	PASS
		1	12	22.30	PASS
		1	24	21.98	PASS
		12	0	20.76	PASS
		12	6	20.89	PASS
		12	13	20.86	PASS
		25	0	20.90	PASS
	MCH	1	0	21.60	PASS
		1	12	21.94	PASS
		1	24	21.40	PASS
		12	0	20.67	PASS

		12	6	20.65	PASS
		12	13	20.72	PASS
		25	0	20.89	PASS
	HCH	1	0	21.39	PASS
		1	12	21.65	PASS
		1	24	21.37	PASS
		12	0	20.59	PASS
		12	6	20.82	PASS
		12	13	20.61	PASS
		25	0	20.57	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.72	PASS
		1	24	23.11	PASS
		1	49	22.24	PASS
		25	0	21.58	PASS
		25	12	21.75	PASS
		25	25	21.52	PASS
		50	0	21.73	PASS
	MCH	1	0	22.69	PASS
		1	24	22.65	PASS
		1	49	22.34	PASS
		25	0	21.64	PASS
		25	12	21.45	PASS
		25	25	21.53	PASS
		50	0	21.54	PASS
	HCH	1	0	22.70	PASS
		1	24	22.69	PASS
		1	49	22.46	PASS
		25	0	21.71	PASS
		25	12	21.35	PASS
		25	25	21.46	PASS
		50	0	21.76	PASS
16QAM	LCH	1	0	21.62	PASS
		1	24	21.83	PASS
		1	49	21.48	PASS
		25	0	20.76	PASS
		25	12	20.68	PASS
		25	25	20.60	PASS
		50	0	20.73	PASS

	MCH	1	0	21.84	PASS
		1	24	22.07	PASS
		1	49	21.56	PASS
		25	0	20.83	PASS
		25	12	20.87	PASS
		25	25	20.78	PASS
		50	0	20.87	PASS
	HCH	1	0	21.71	PASS
		1	24	21.77	PASS
		1	49	21.60	PASS
		25	0	20.81	PASS
		25	12	20.77	PASS
		25	25	20.70	PASS
		50	0	20.78	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	4.32	<13	PASS
		1	12	4.43	<13	PASS
		1	24	4.76	<13	PASS
		12	0	4.98	<13	PASS
		12	6	4.9	<13	PASS
		12	13	5.04	<13	PASS
		25	0	5	<13	PASS
	MCH	1	0	4.51	<13	PASS
		1	12	4.45	<13	PASS
		1	24	4.63	<13	PASS
		12	0	5.26	<13	PASS
		12	6	5.16	<13	PASS
		12	13	5.34	<13	PASS
		25	0	5.22	<13	PASS
	HCH	1	0	4.59	<13	PASS
		1	12	4.38	<13	PASS
		1	24	4.45	<13	PASS
		12	0	5.08	<13	PASS
		12	6	5.12	<13	PASS
		12	13	4.98	<13	PASS
		25	0	5.07	<13	PASS
16QAM	LCH	1	0	5.21	<13	PASS
		1	12	5.15	<13	PASS
		1	24	5.59	<13	PASS
		12	0	5.76	<13	PASS
		12	6	5.73	<13	PASS
		12	13	5.84	<13	PASS
		25	0	5.88	<13	PASS
	MCH	1	0	5.45	<13	PASS
		1	12	5.55	<13	PASS
		1	24	5.23	<13	PASS
		12	0	5.95	<13	PASS
		12	6	6.01	<13	PASS

		12	13	5.99	<13	PASS
		25	0	5.97	<13	PASS
	HCH	1	0	5.64	<13	PASS
		1	12	5.34	<13	PASS
		1	24	5.09	<13	PASS
		12	0	6.02	<13	PASS
		12	6	5.83	<13	PASS
		12	13	5.77	<13	PASS
		25	0	5.79	<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	4.11	<13	PASS
		1	24	4.48	<13	PASS
		1	49	4.46	<13	PASS
		25	0	5.12	<13	PASS
		25	12	5.24	<13	PASS
		25	25	5.14	<13	PASS
		50	0	5.15	<13	PASS
	MCH	1	0	4.07	<13	PASS
		1	24	4.36	<13	PASS
		1	49	4.28	<13	PASS
		25	0	5.08	<13	PASS
		25	12	5.22	<13	PASS
		25	25	5.07	<13	PASS
		50	0	5.18	<13	PASS
	HCH	1	0	4.21	<13	PASS
		1	24	4.36	<13	PASS
		1	49	4.29	<13	PASS
		25	0	5.14	<13	PASS
		25	12	5.12	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.16	<13	PASS
16QAM	LCH	1	0	5.35	<13	PASS
		1	24	5.53	<13	PASS
		1	49	5.21	<13	PASS
		25	0	5.91	<13	PASS
		25	12	5.9	<13	PASS
		25	25	5.92	<13	PASS

		50	0	5.89	<13	PASS
	MCH	1	0	5.11	<13	PASS
		1	24	5.35	<13	PASS
		1	49	5.03	<13	PASS
		25	0	5.95	<13	PASS
		25	12	5.99	<13	PASS
		25	25	5.84	<13	PASS
		50	0	5.98	<13	PASS
	HCH	1	0	5.56	<13	PASS
		1	24	5.48	<13	PASS
		1	49	5.12	<13	PASS
		25	0	6.07	<13	PASS
		25	12	5.95	<13	PASS
		25	25	5.79	<13	PASS
		50	0	5.95	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



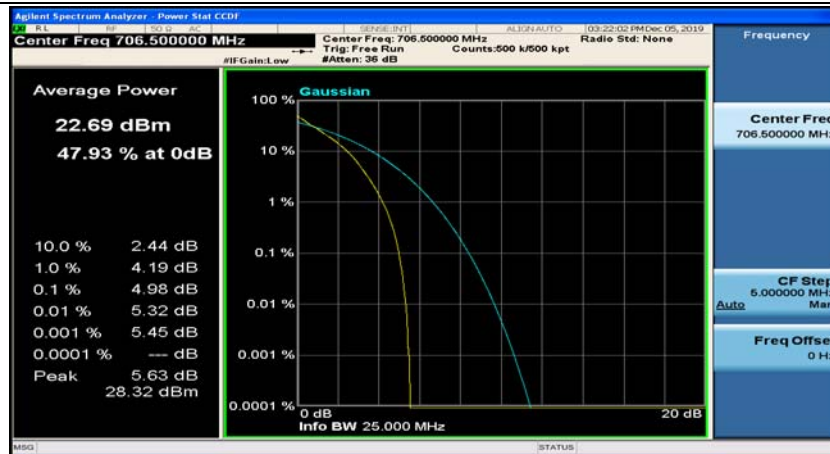
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



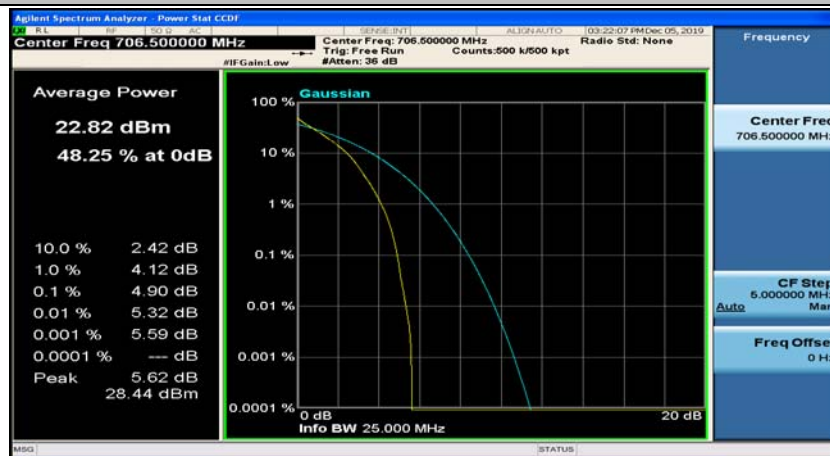
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



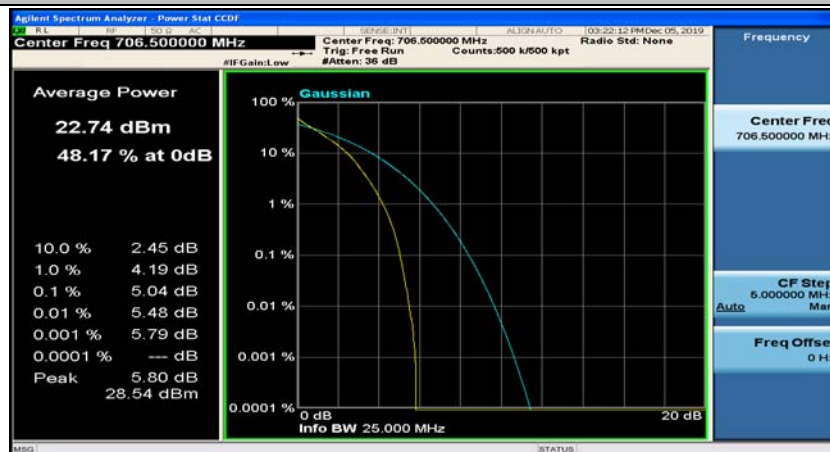
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



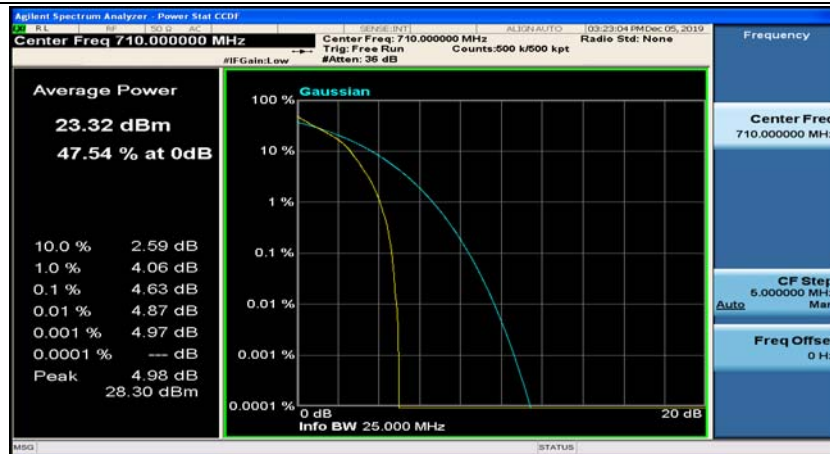
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



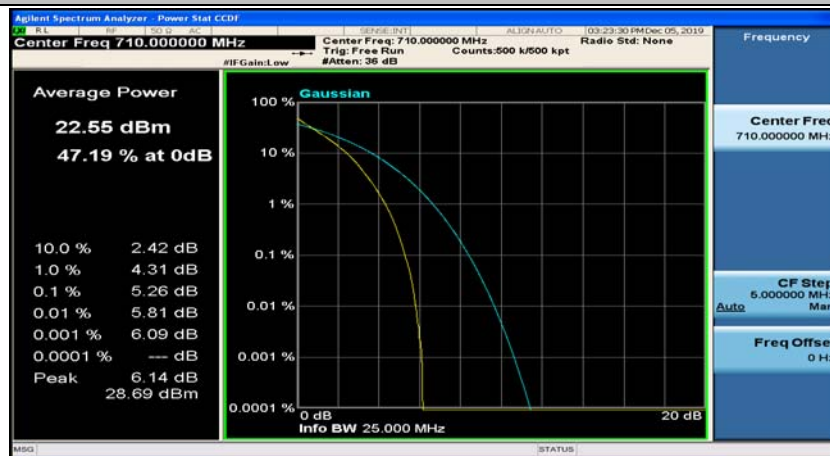
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



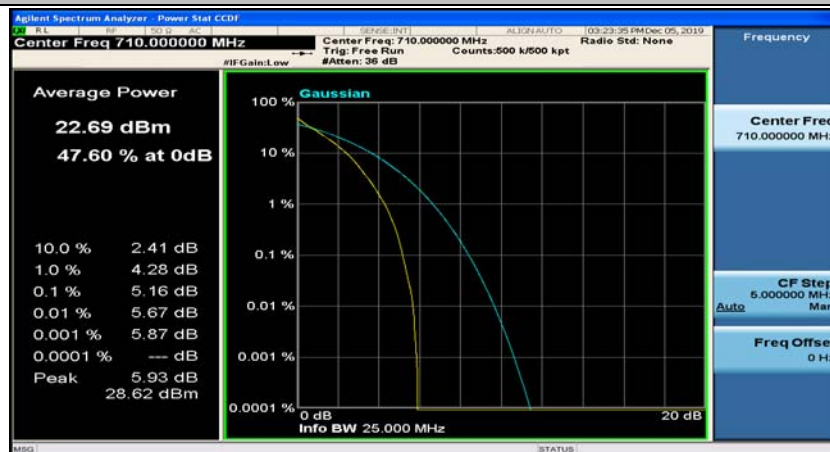
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



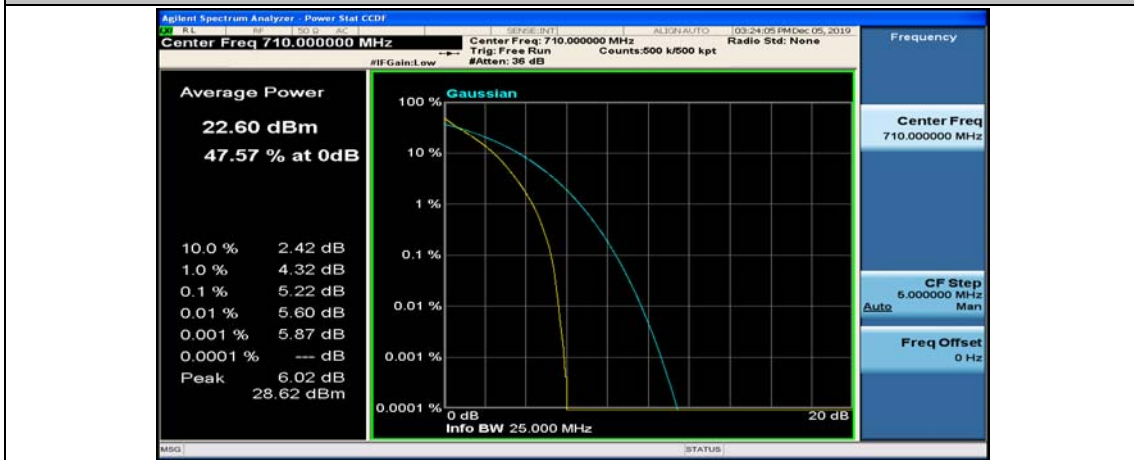
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



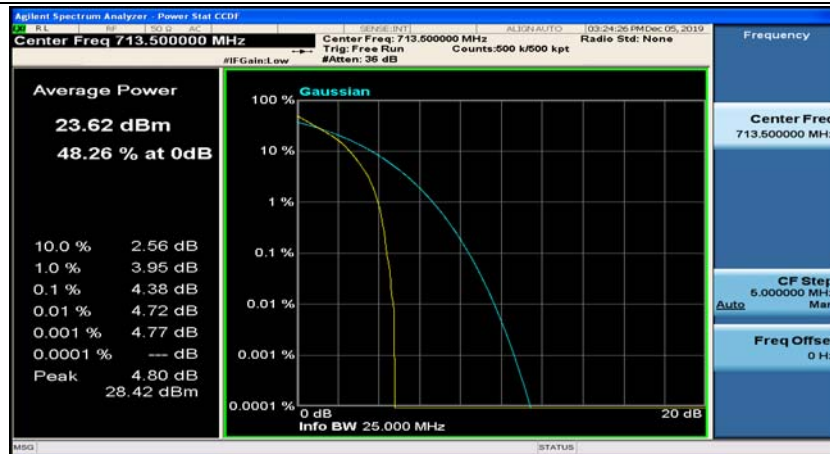
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



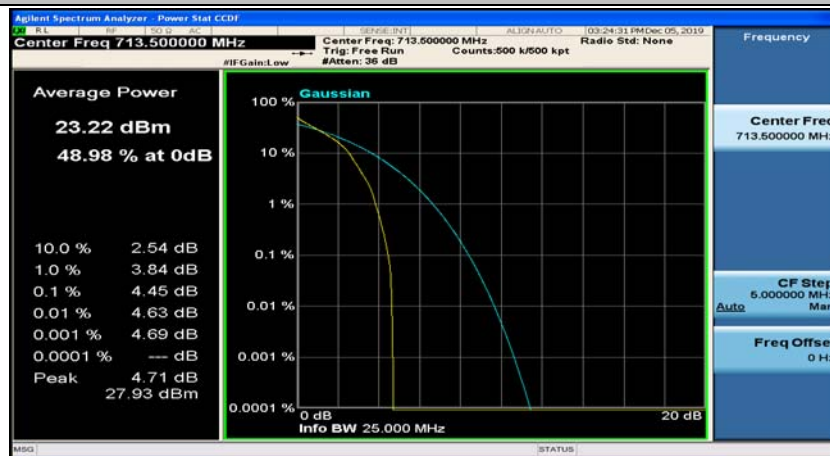
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



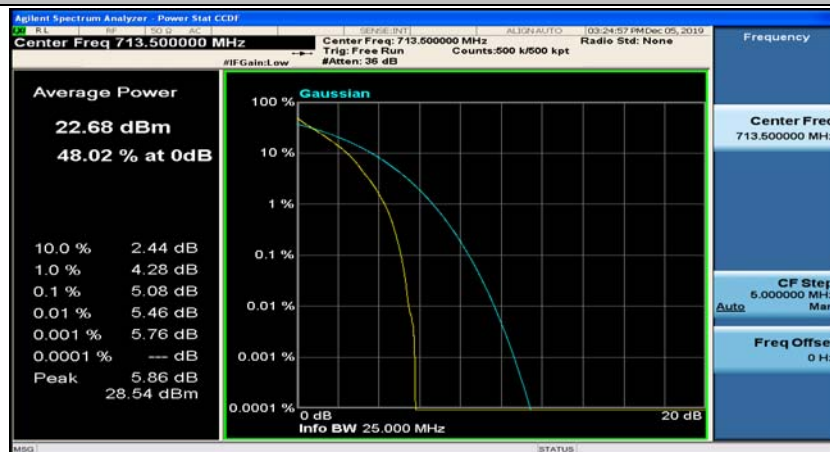
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



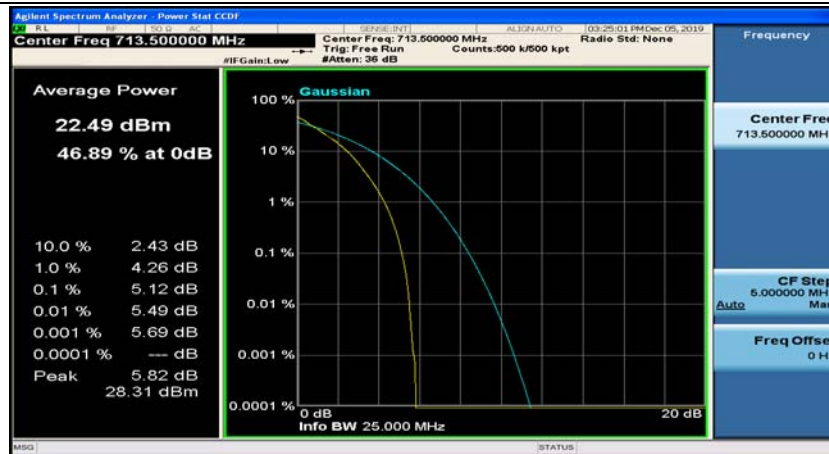
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



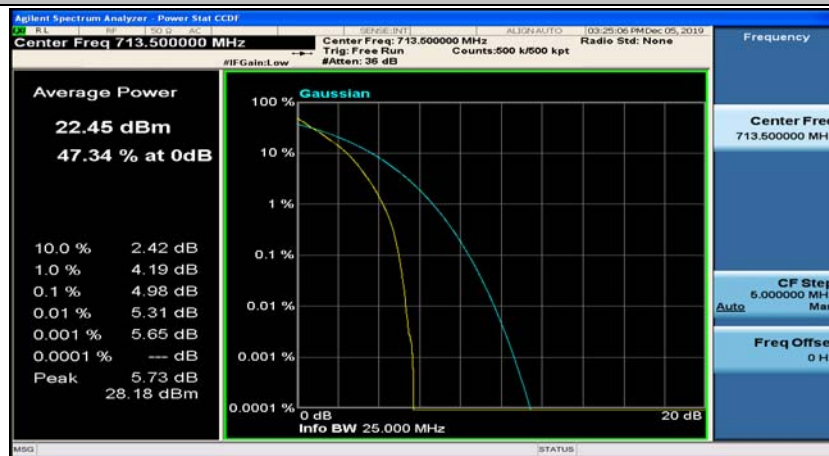
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



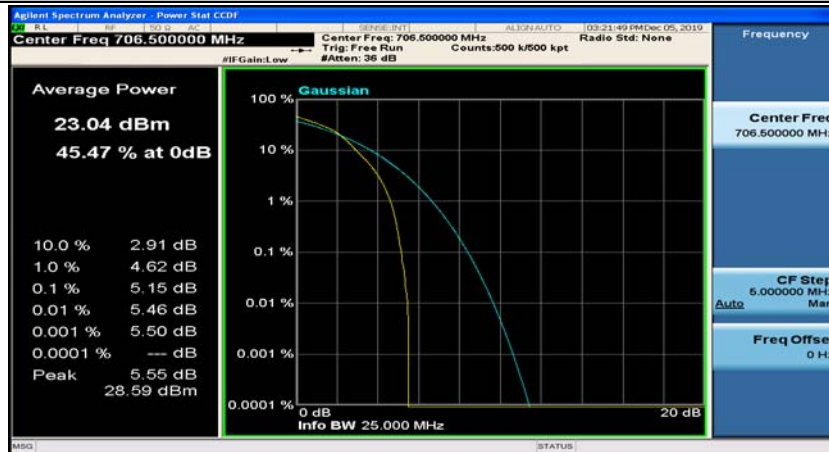
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



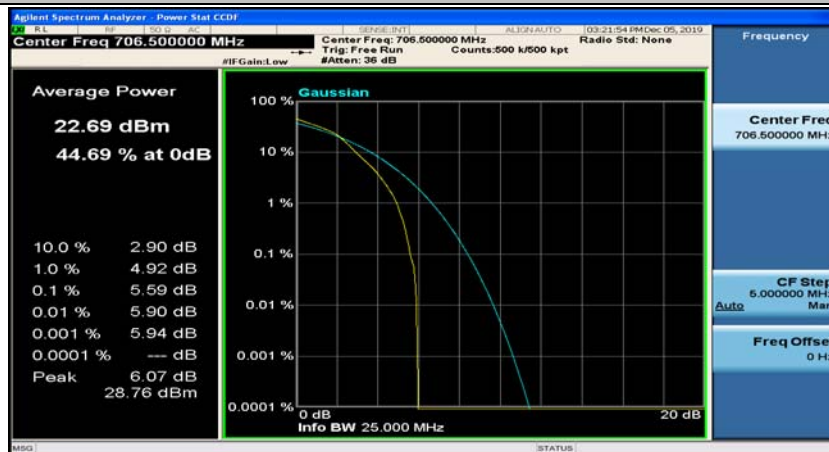
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(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



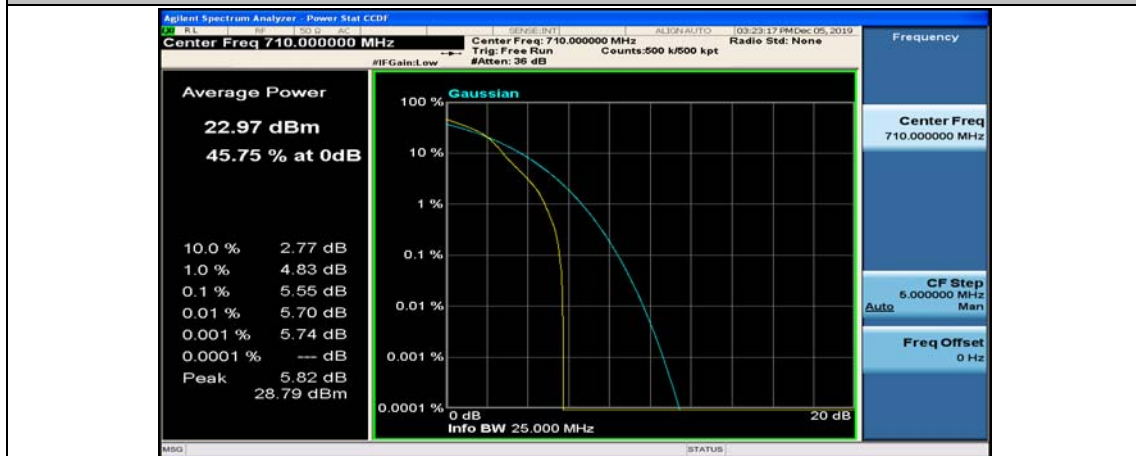
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(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



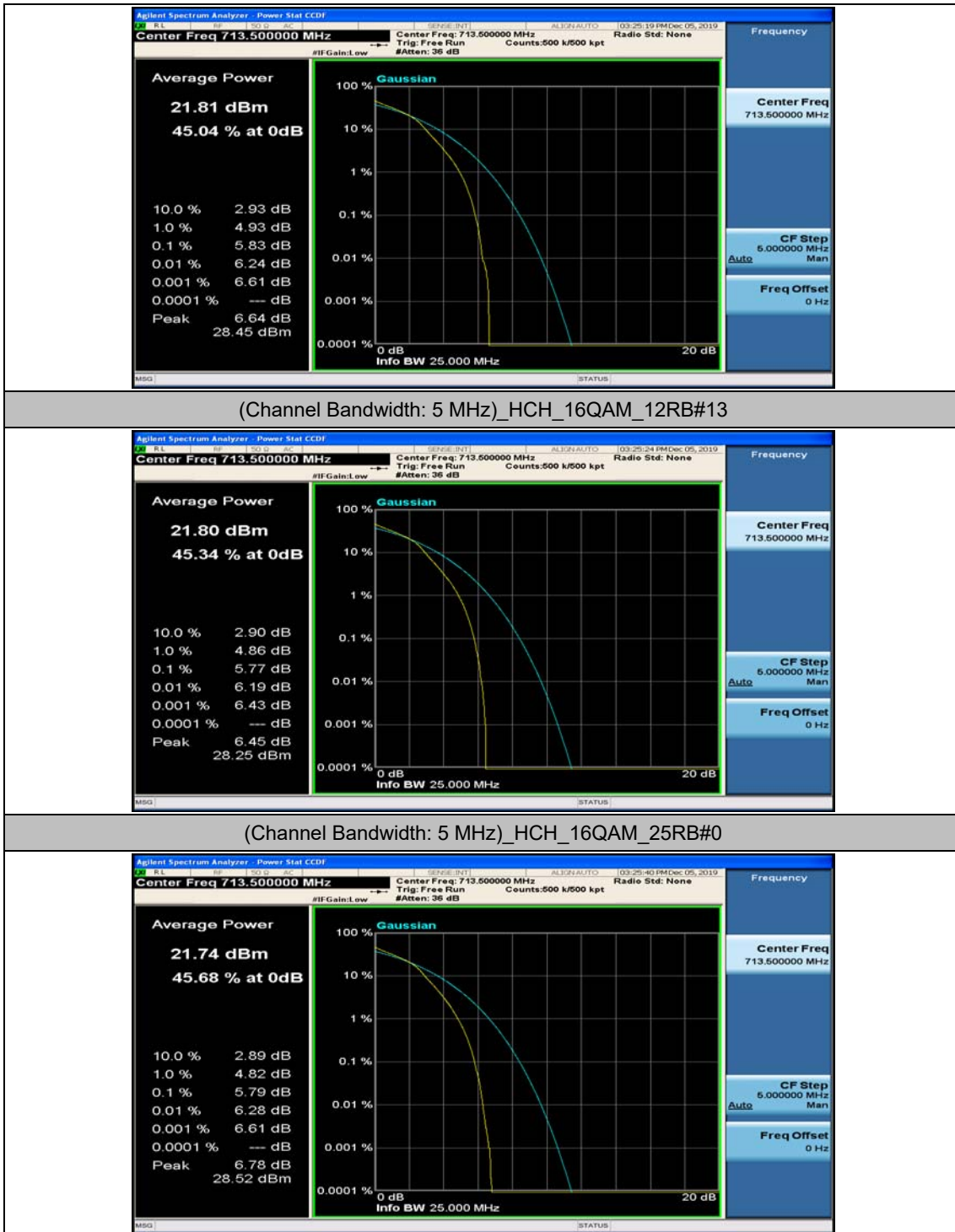
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



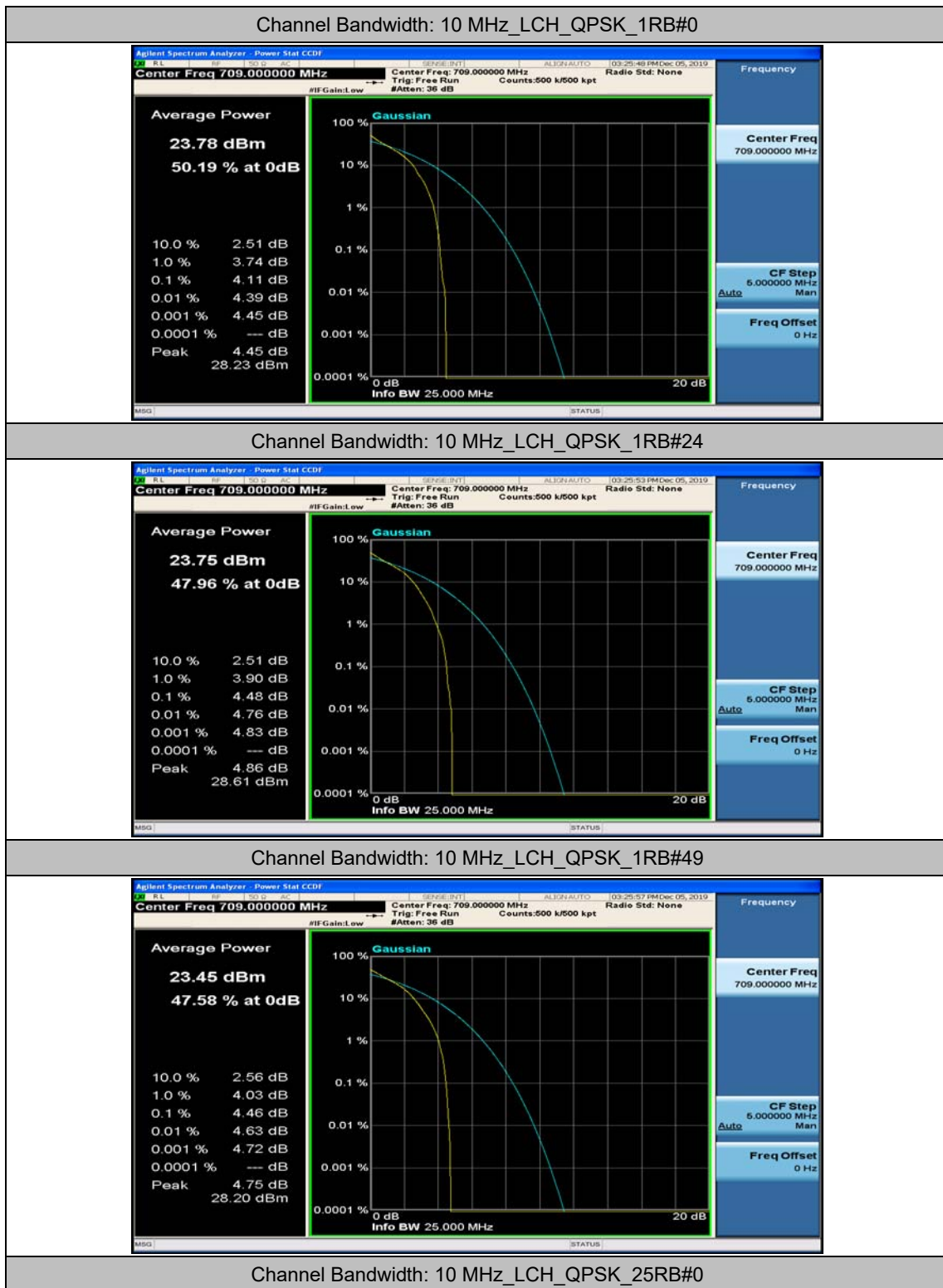
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

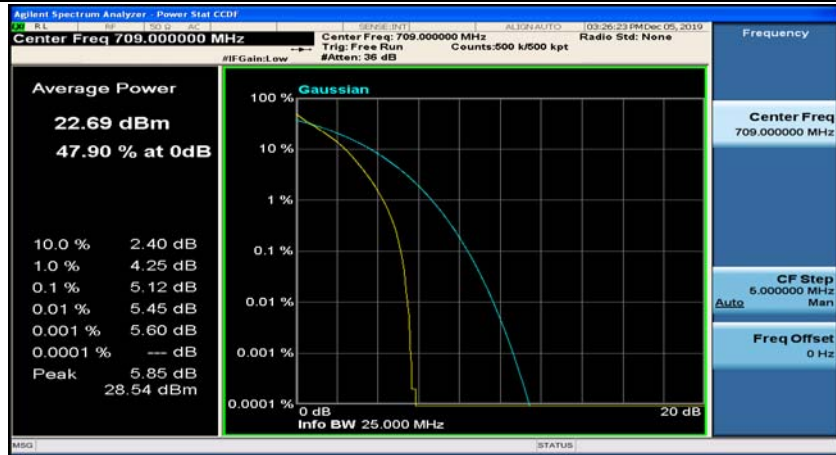


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



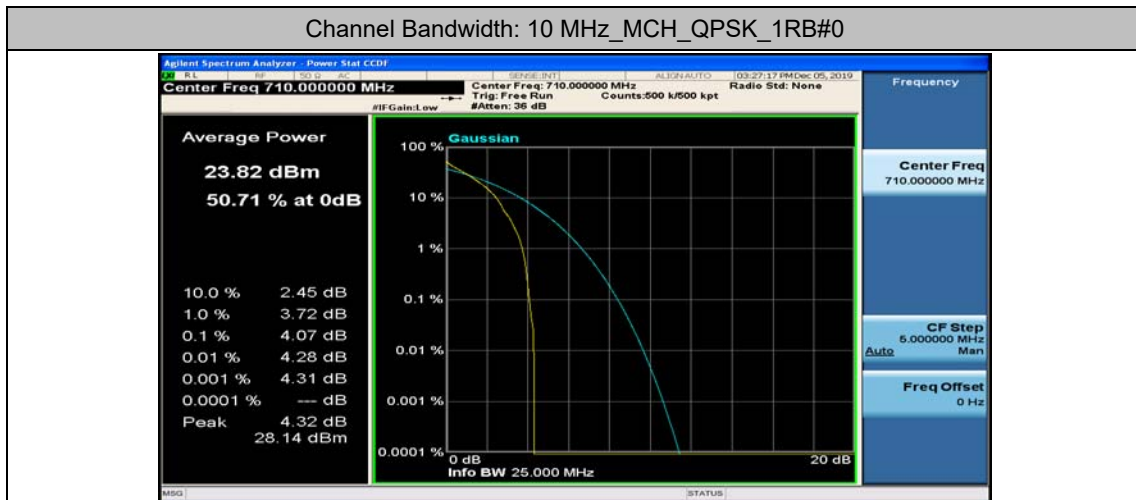
Channel Bandwidth: 10 MHz







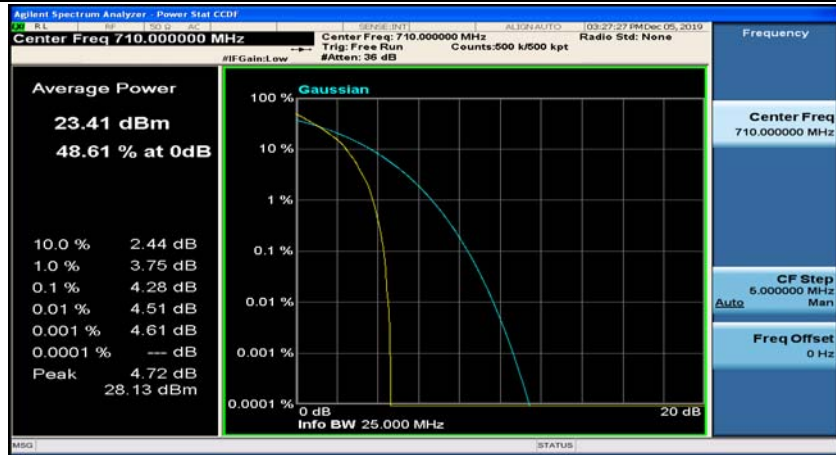
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



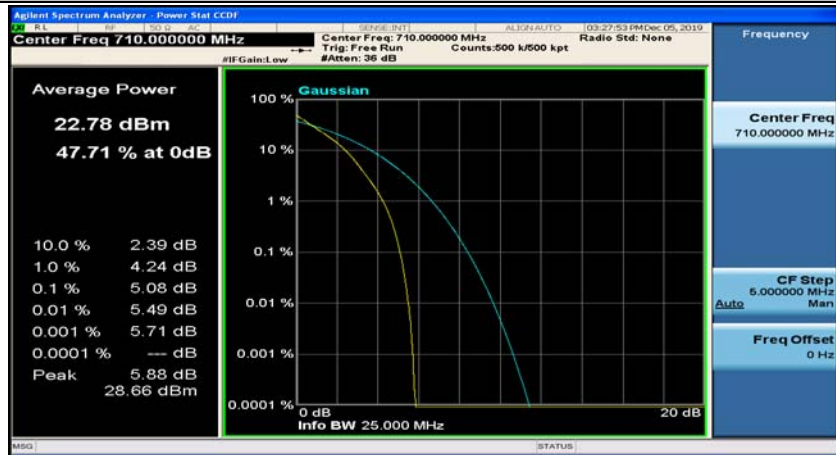
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



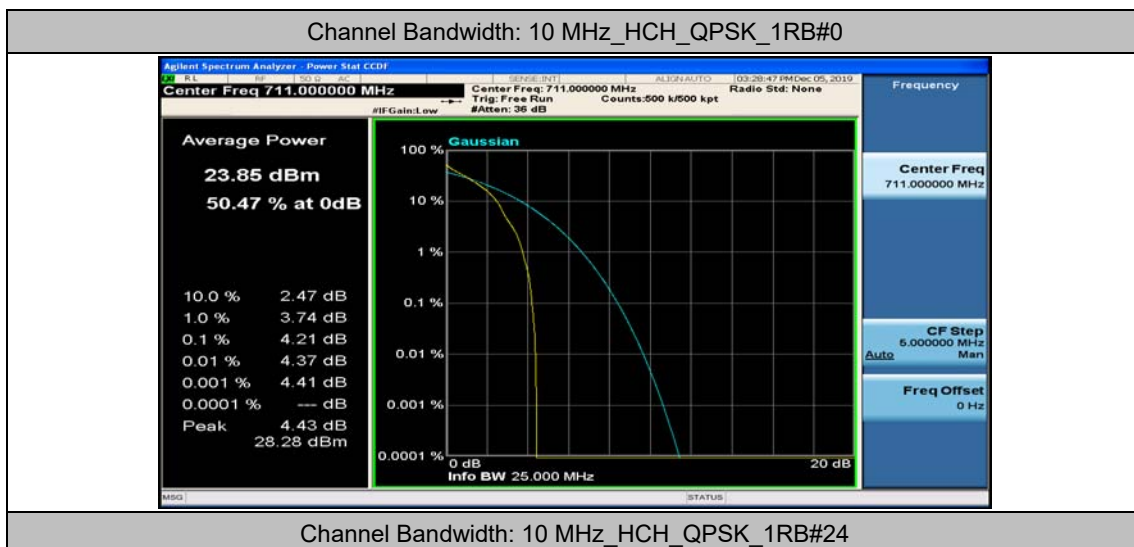
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

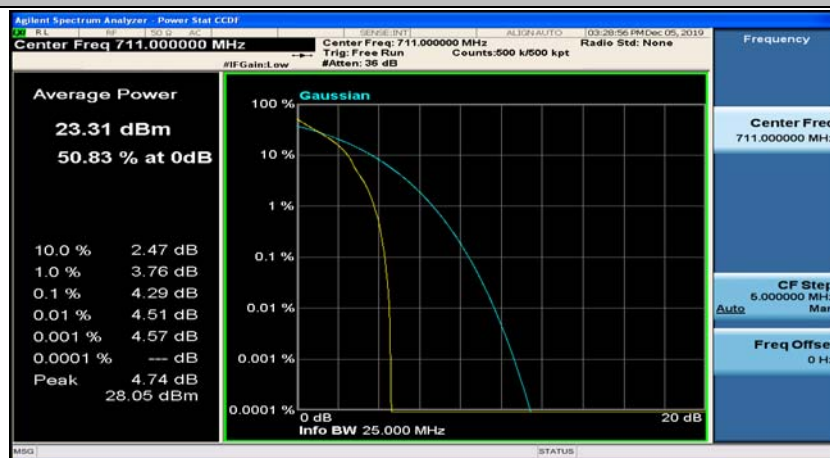
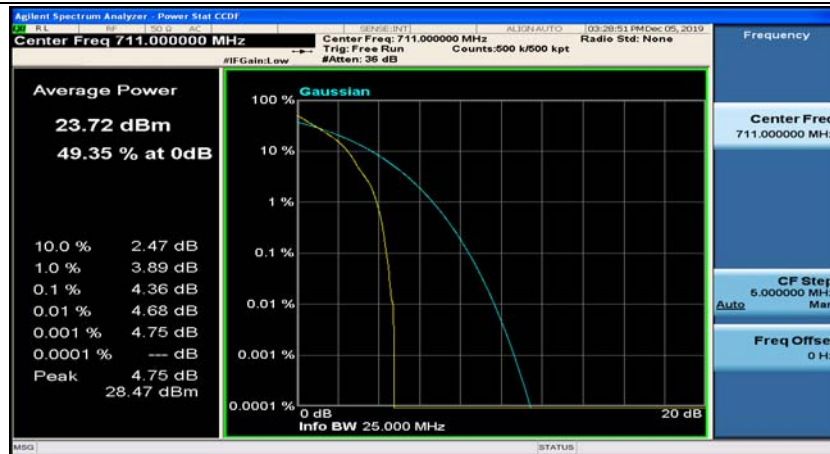


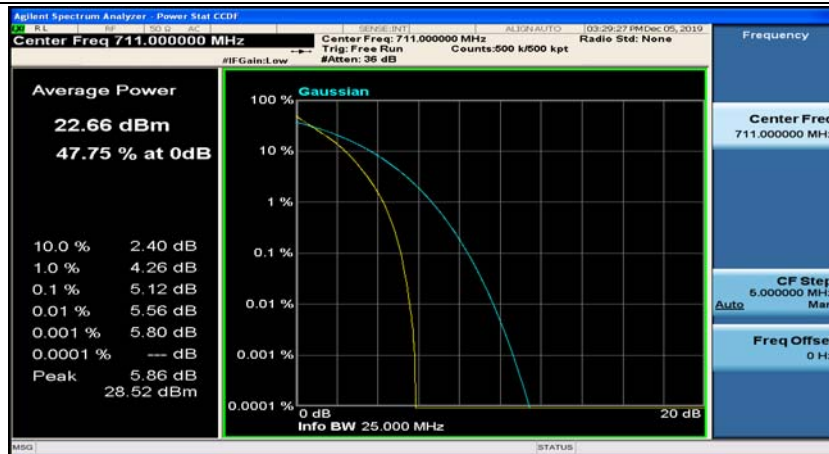
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25







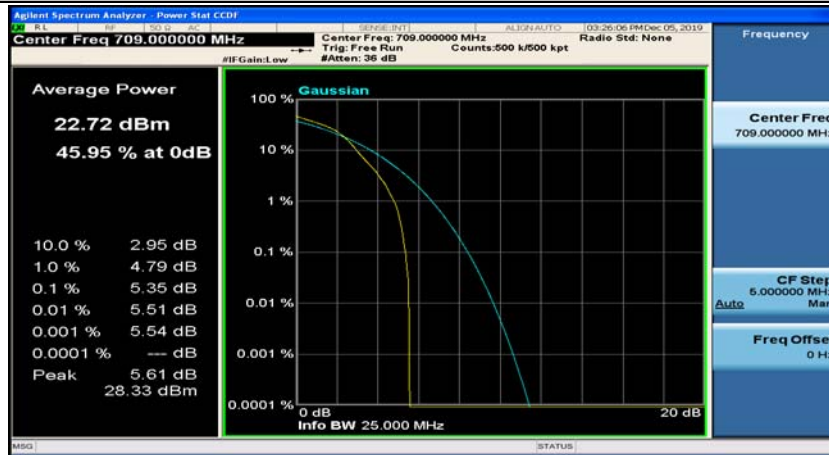
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



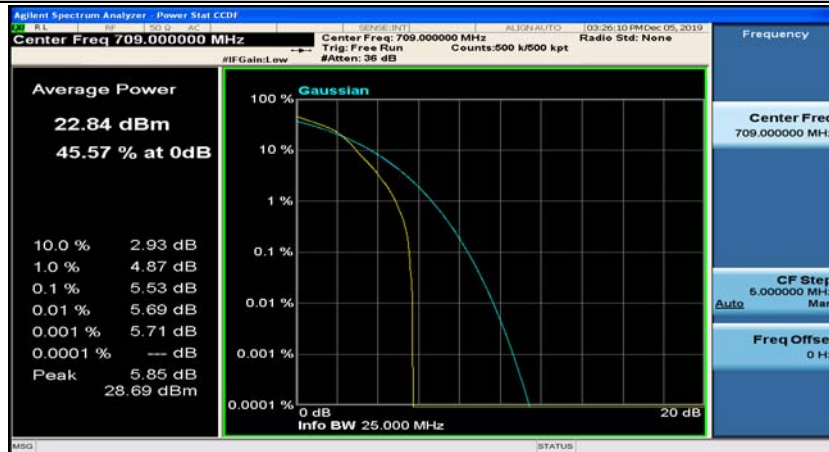
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



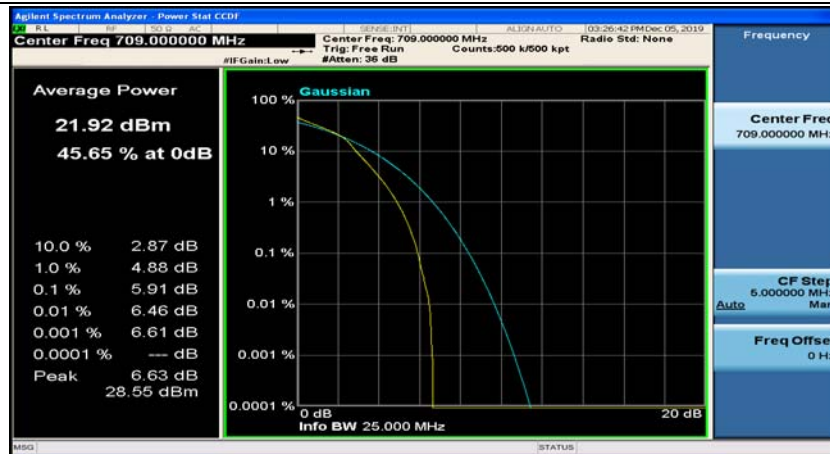
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

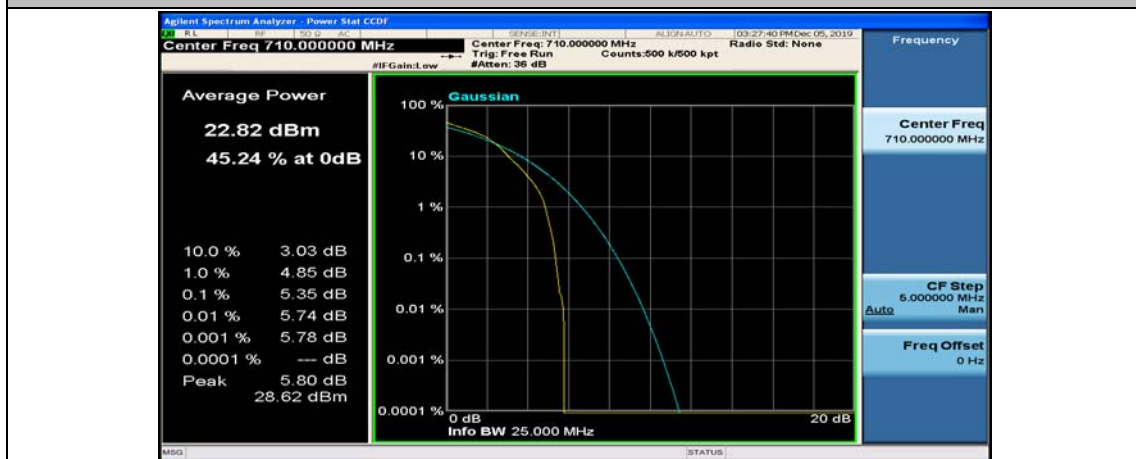




Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49





Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



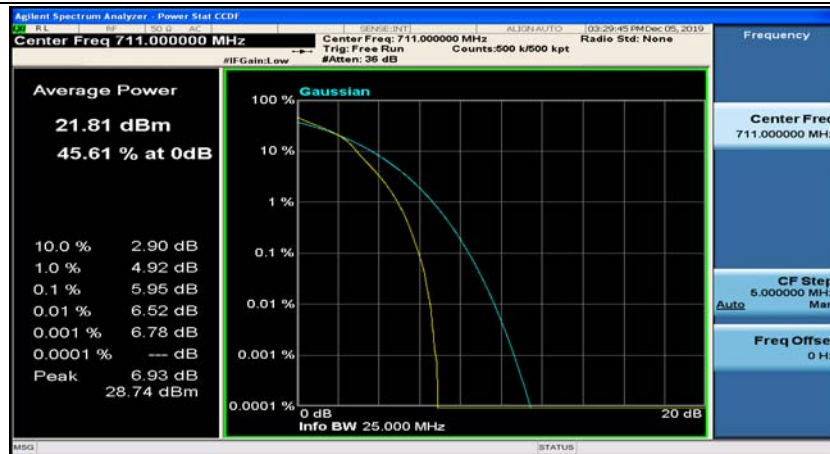
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



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	4.4730	4.897	PASS
	MCH	25	0	4.4717	4.852	PASS
	HCH	25	0	4.4756	4.883	PASS
16QAM	LCH	25	0	4.4838	4.856	PASS
	MCH	25	0	4.4807	4.853	PASS
	HCH	25	0	4.4769	4.845	PASS

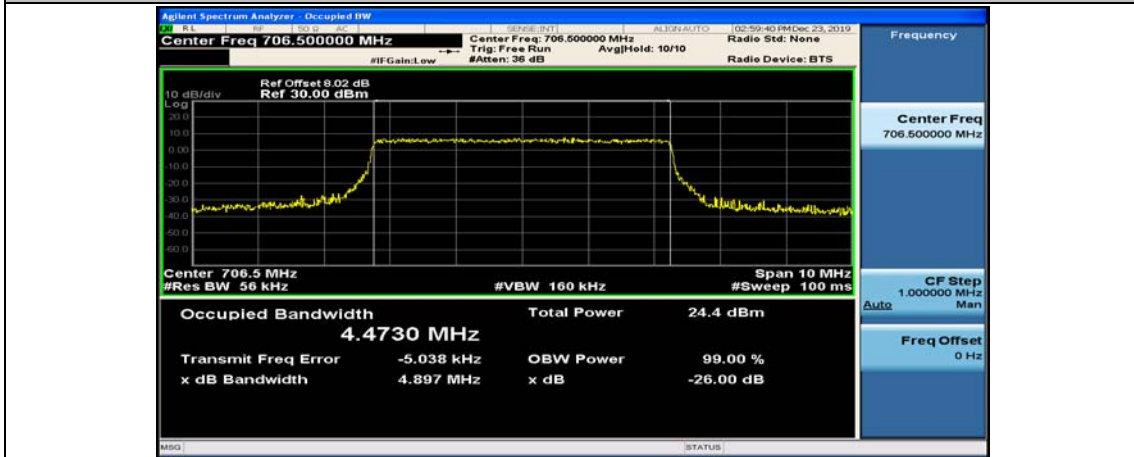
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9363	9.555	PASS
	MCH	50	0	8.9494	9.529	PASS
	HCH	50	0	8.9349	9.576	PASS
16QAM	LCH	50	0	8.9395	9.611	PASS
	MCH	50	0	8.9432	9.479	PASS
	HCH	50	0	8.9295	9.562	PASS

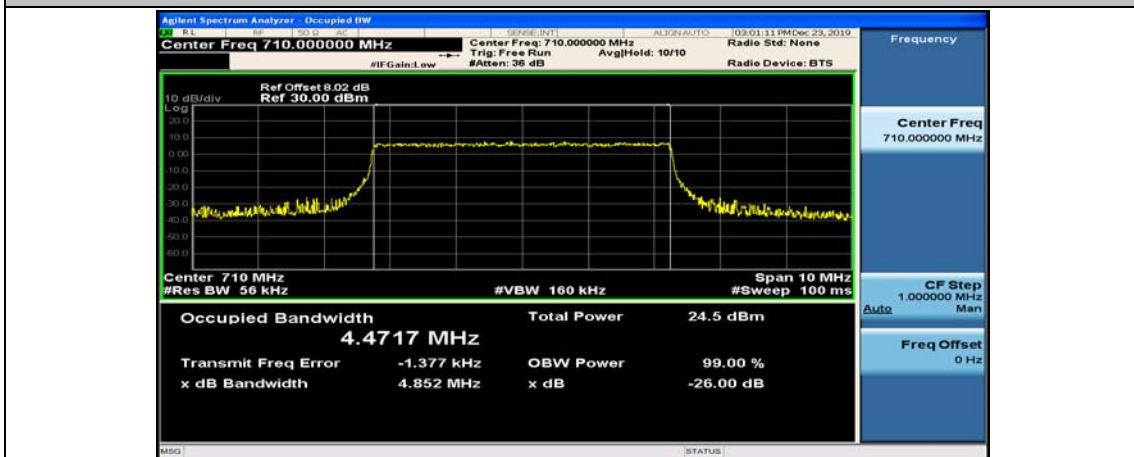
Test Graphs

Channel Bandwidth: 5 MHz

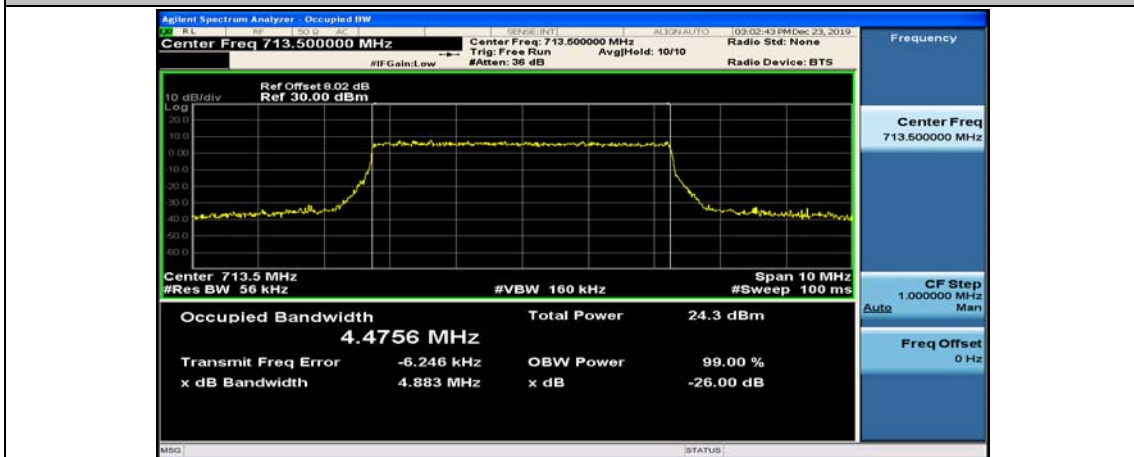
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



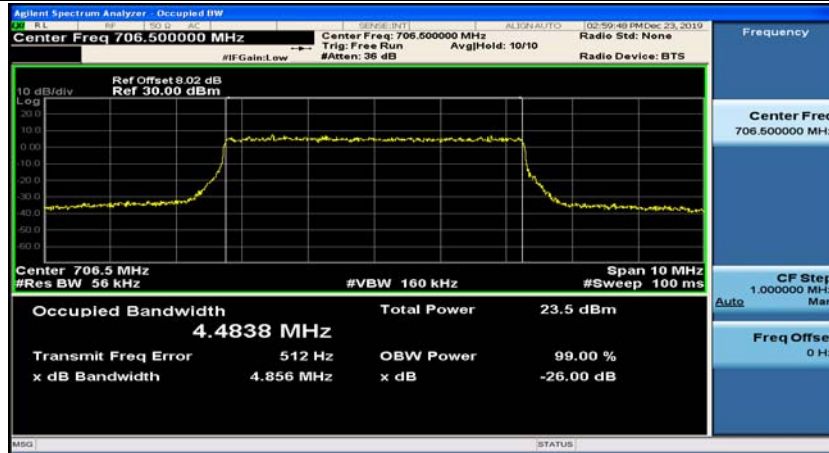
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



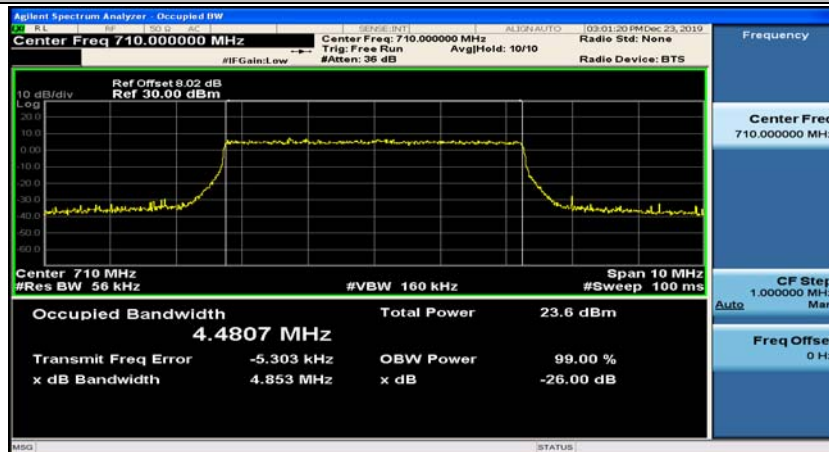
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



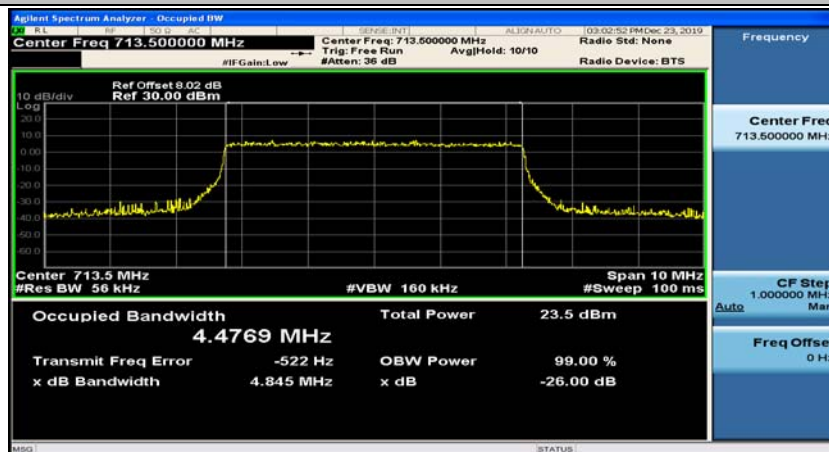
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



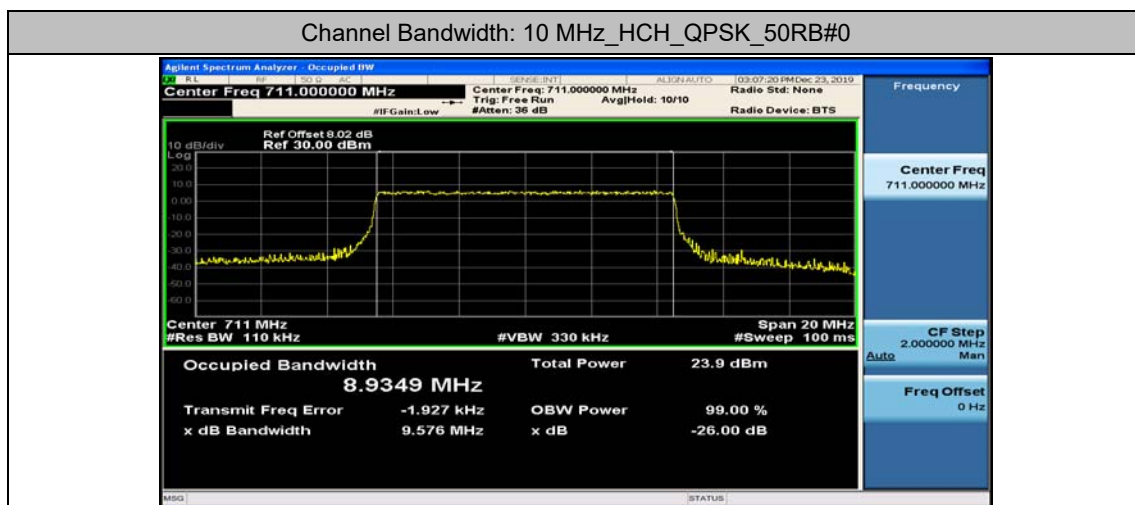
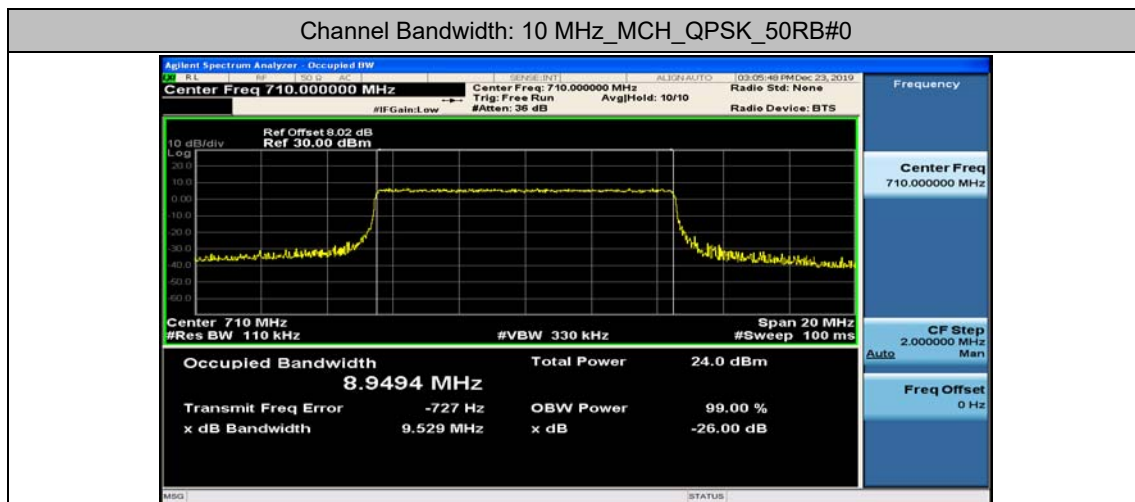
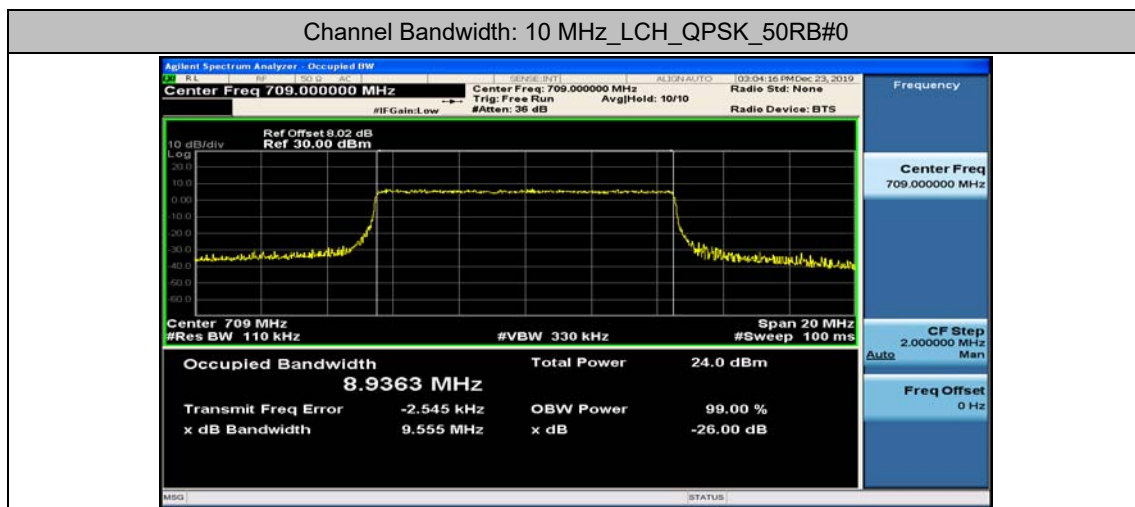
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



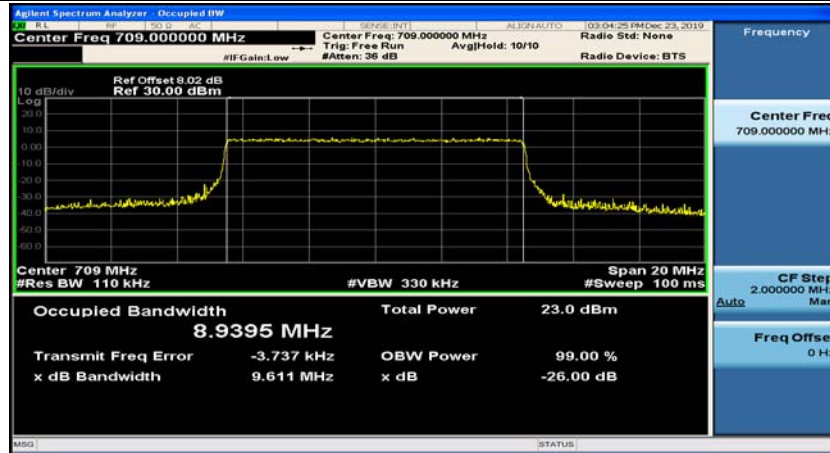
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



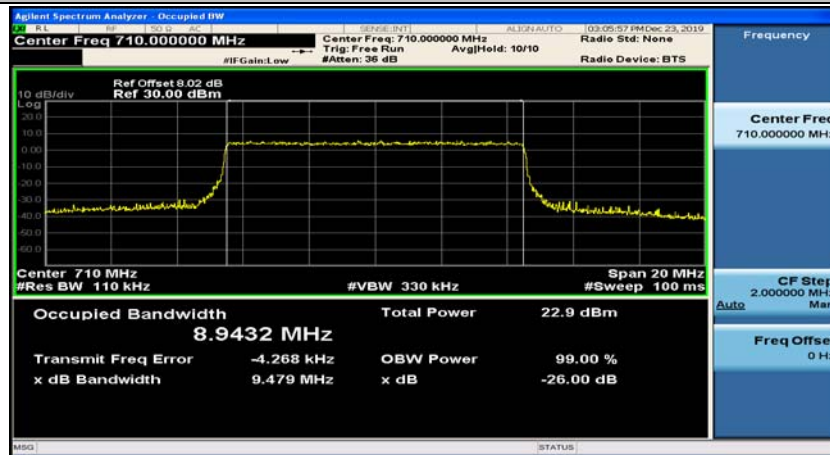
Channel Bandwidth: 10 MHz



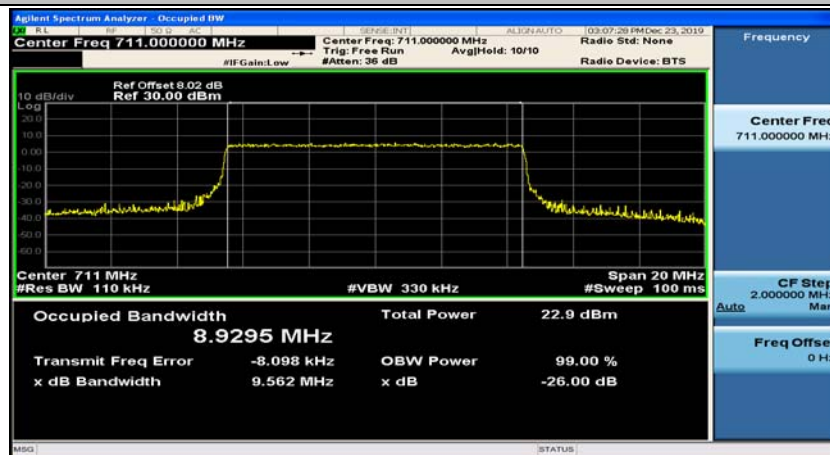
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

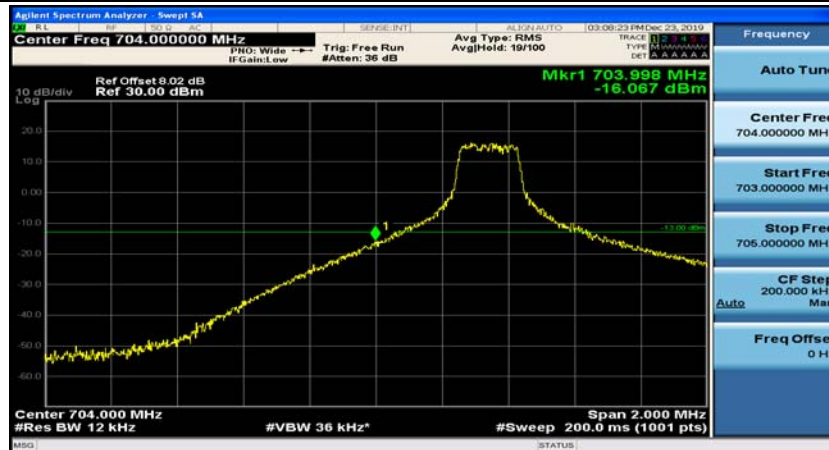


Appendix D: Band Edge

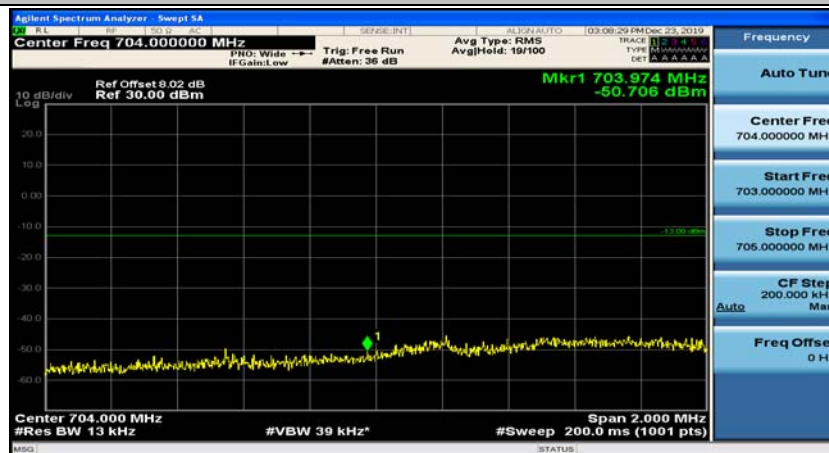
Test Graphs

Channel Bandwidth: 5 MHz

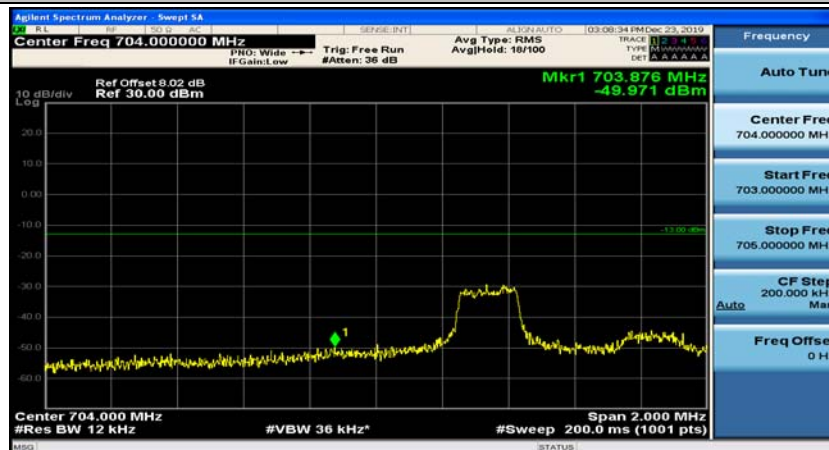
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



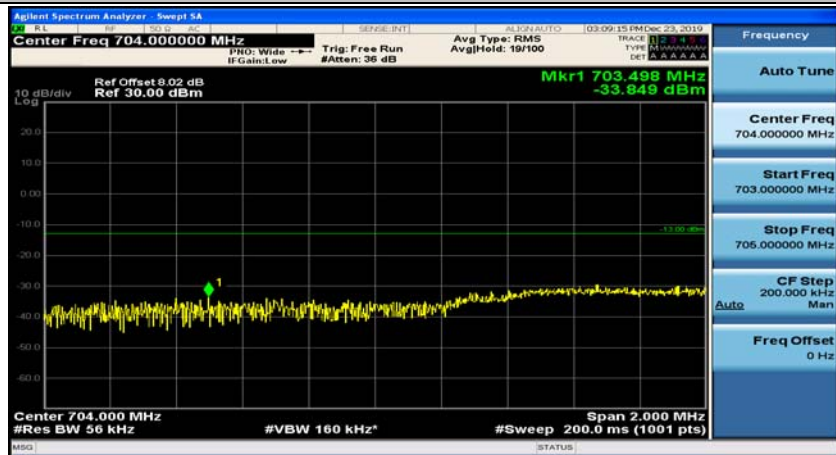
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



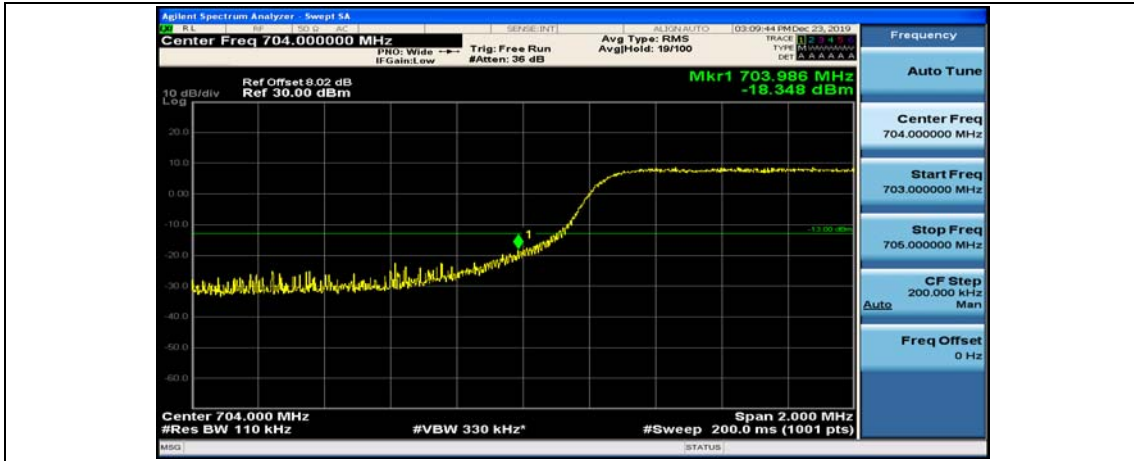
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



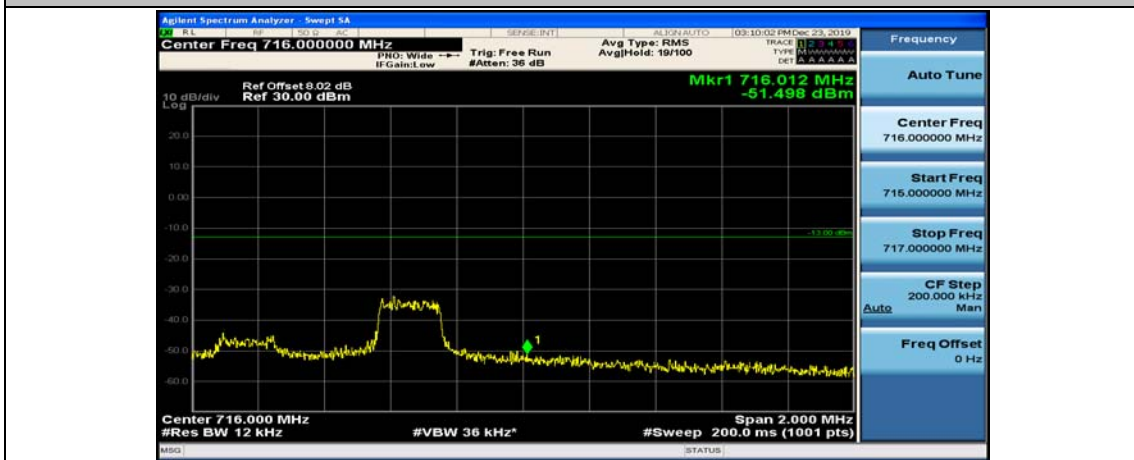
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



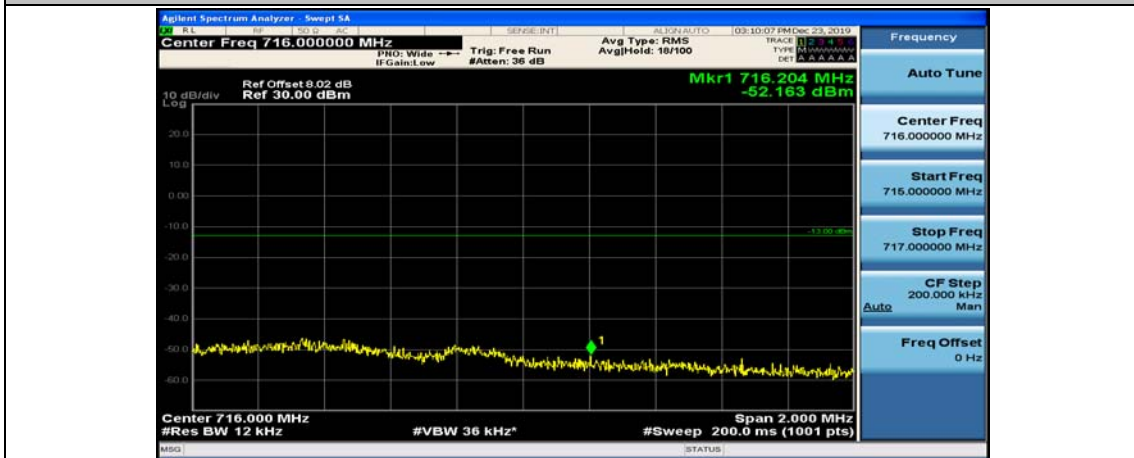
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(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



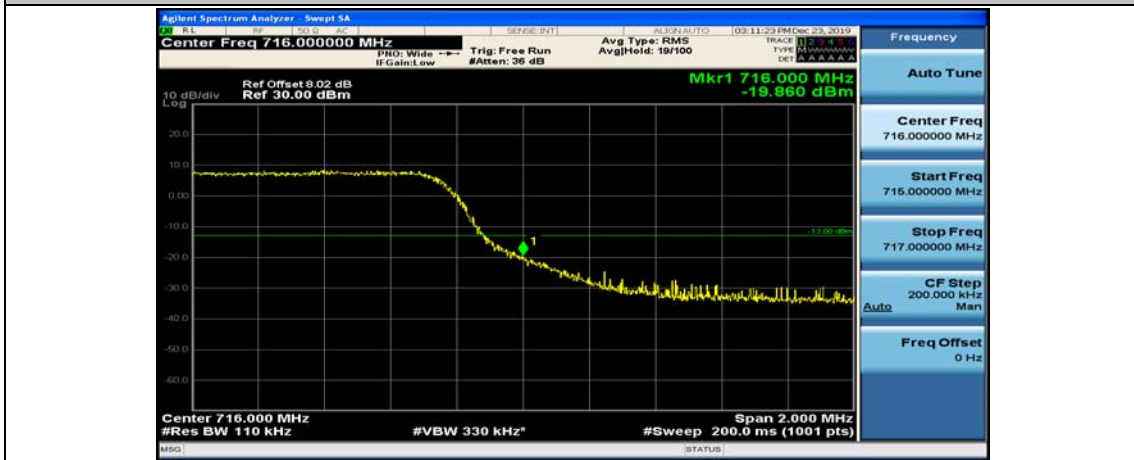
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



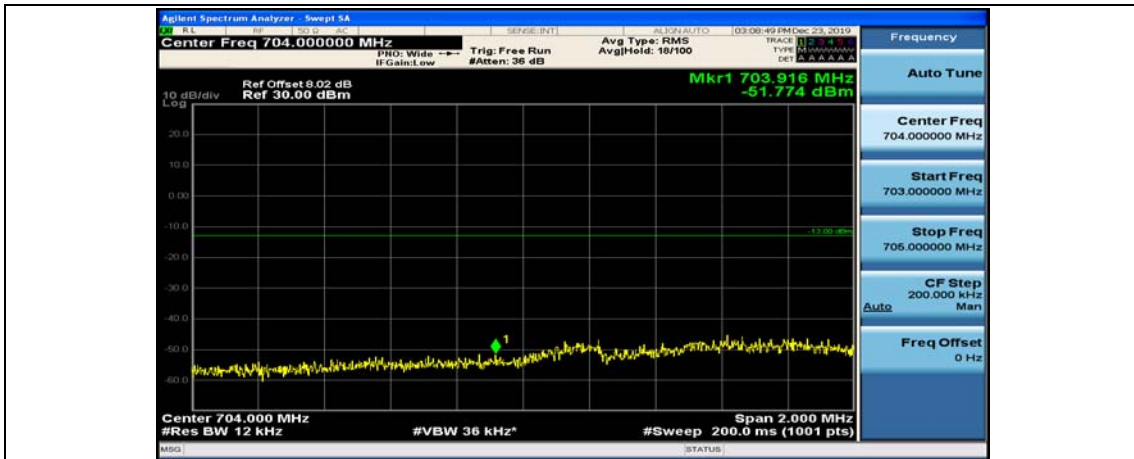
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



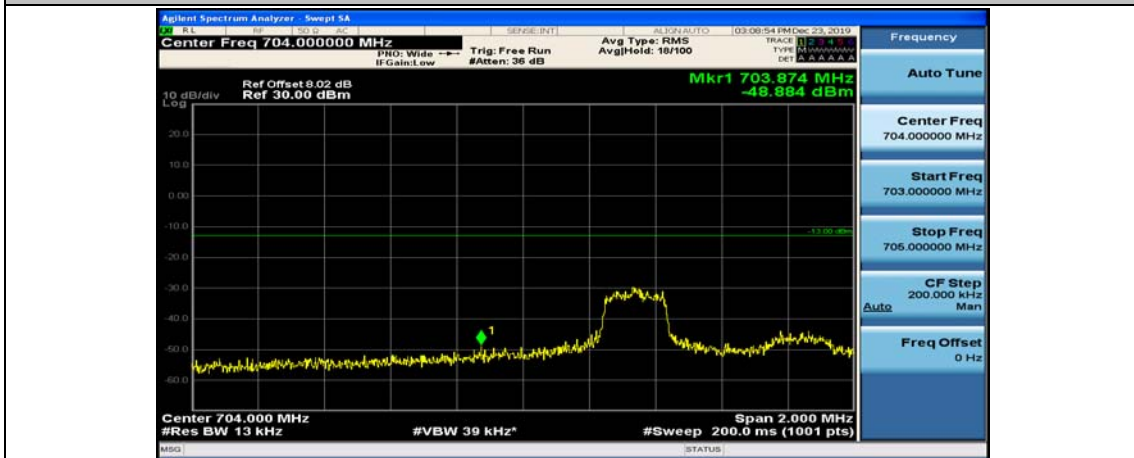
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



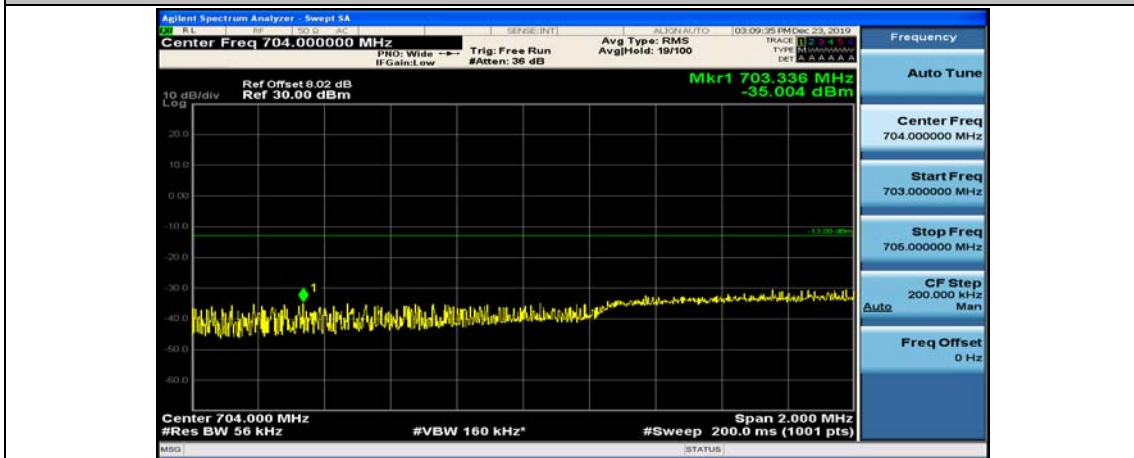
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



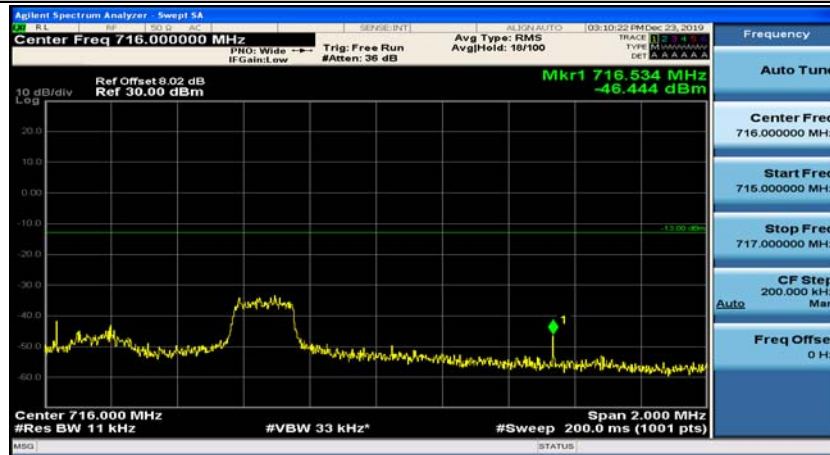
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



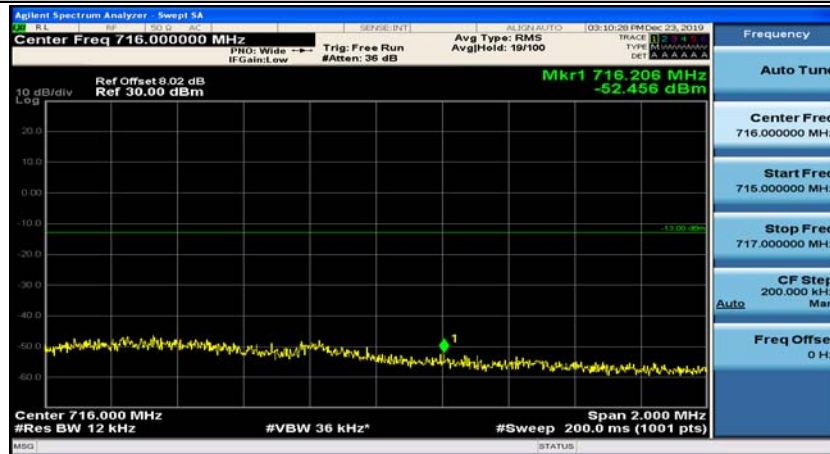
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(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

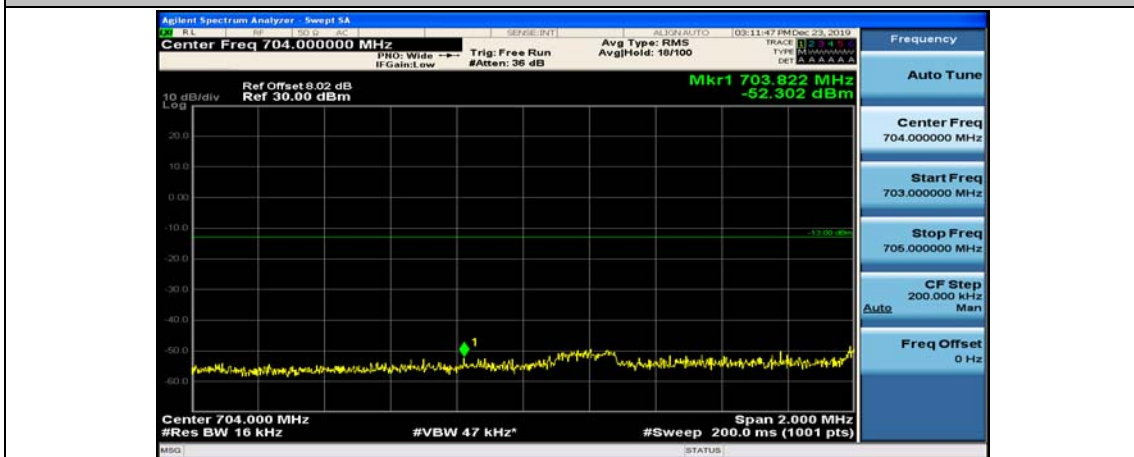


Channel Bandwidth: 10 MHz

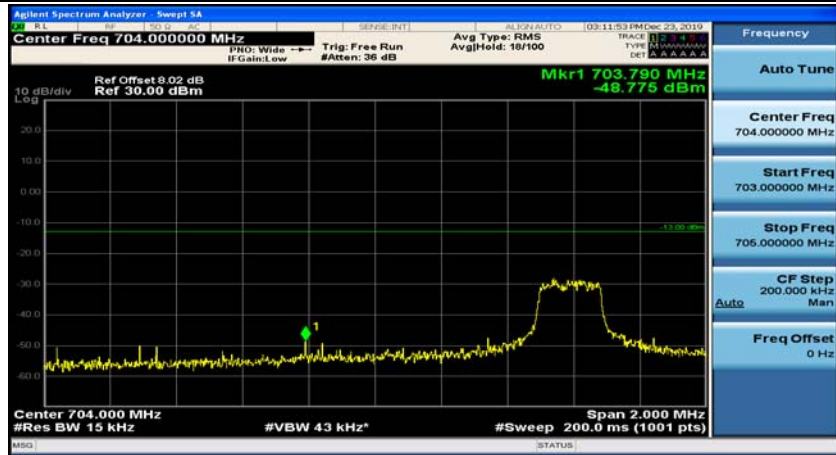
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



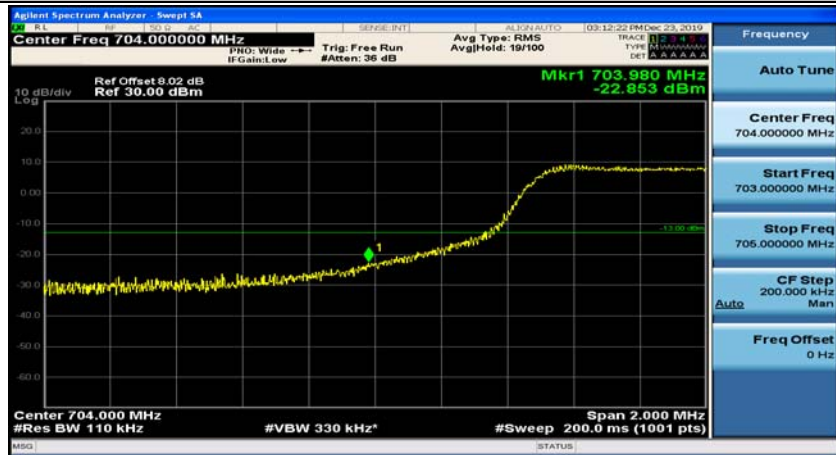
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24



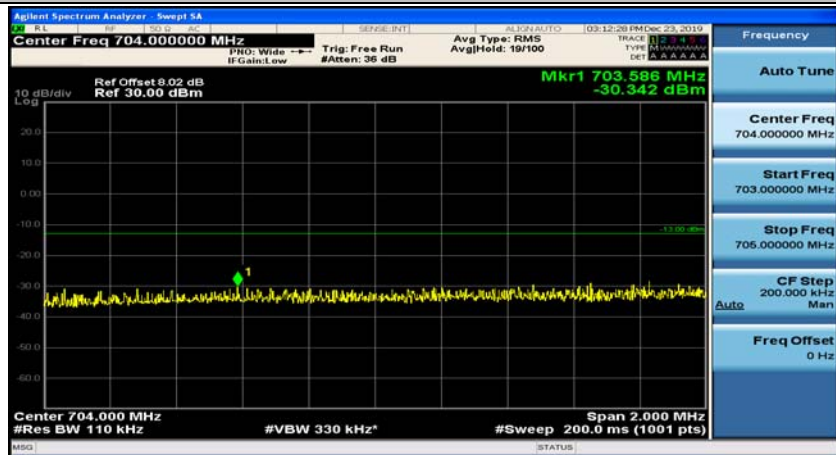
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25