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	23.62	PASS
		1	12	23.76	PASS
		1	24	23.78	PASS
		12	0	22.84	PASS
		12	6	22.84	PASS
		12	13	22.88	PASS
		25	0	22.84	PASS
	MCH	1	0	23.80	PASS
		1	12	23.94	PASS
		1	24	23.92	PASS
		12	0	22.91	PASS
		12	6	22.94	PASS
		12	13	22.97	PASS
		25	0	22.90	PASS
	HCH	1	0	23.91	PASS
		1	12	23.88	PASS
		1	24	23.87	PASS
		12	0	22.97	PASS
		12	6	22.95	PASS
		12	13	22.96	PASS
		25	0	22.91	PASS
16QAM	LCH	1	0	22.90	PASS
		1	12	23.11	PASS
		1	24	23.09	PASS
		12	0	21.93	PASS
		12	6	21.96	PASS
		12	13	22.01	PASS
		25	0	21.91	PASS
	MCH	1	0	23.35	PASS
		1	12	23.43	PASS
		1	24	23.28	PASS
		12	0	22.12	PASS

		12	6	22.10	PASS
		12	13	22.09	PASS
		25	0	21.92	PASS
	HCH	1	0	23.00	PASS
		1	12	23.07	PASS
		1	24	22.98	PASS
		12	0	21.99	PASS
		12	6	22.00	PASS
		12	13	22.03	PASS
		25	0	21.96	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.71	PASS
		1	24	23.82	PASS
		1	49	23.90	PASS
		25	0	22.86	PASS
		25	12	22.95	PASS
		25	25	22.96	PASS
		50	0	22.96	PASS
	MCH	1	0	23.73	PASS
		1	24	23.85	PASS
		1	49	23.84	PASS
		25	0	22.90	PASS
		25	12	22.94	PASS
		25	25	22.94	PASS
		50	0	22.94	PASS
	HCH	1	0	23.76	PASS
		1	24	23.99	PASS
		1	49	23.84	PASS
		25	0	22.91	PASS
		25	12	22.97	PASS
		25	25	22.92	PASS
		50	0	22.94	PASS
16QAM	LCH	1	0	23.10	PASS
		1	24	23.24	PASS
		1	49	23.22	PASS
		25	0	21.92	PASS
		25	12	21.93	PASS
		25	25	21.94	PASS
		50	0	21.97	PASS

	MCH	1	0	23.12	PASS
		1	24	23.22	PASS
		1	49	23.19	PASS
		25	0	21.92	PASS
		25	12	21.95	PASS
		25	25	21.95	PASS
		50	0	21.98	PASS
	HCH	1	0	23.32	PASS
		1	24	23.34	PASS
		1	49	23.36	PASS
		25	0	21.96	PASS
		25	12	21.97	PASS
		25	25	21.95	PASS
		50	0	21.99	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	4.89	<13	PASS
		1	12	5.41	<13	PASS
		1	24	5.71	<13	PASS
		12	0	6.01	<13	PASS
		12	6	6.35	<13	PASS
		12	13	6.43	<13	PASS
		25	0	6.37	<13	PASS
	MCH	1	0	5.73	<13	PASS
		1	12	5.63	<13	PASS
		1	24	4.61	<13	PASS
		12	0	6.49	<13	PASS
		12	6	6.23	<13	PASS
		12	13	5.78	<13	PASS
		25	0	6.06	<13	PASS
	HCH	1	0	5.04	<13	PASS
		1	12	4.29	<13	PASS
		1	24	4.94	<13	PASS
		12	0	5.34	<13	PASS
		12	6	5.16	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.64	<13	PASS
16QAM	LCH	1	0	5.7	<13	PASS
		1	12	6.2	<13	PASS
		1	24	6.57	<13	PASS
		12	0	6.83	<13	PASS
		12	6	7.06	<13	PASS
		12	13	7.29	<13	PASS
		25	0	7.1	<13	PASS
	MCH	1	0	6.28	<13	PASS
		1	12	6.22	<13	PASS
		1	24	5.27	<13	PASS
		12	0	7.46	<13	PASS
		12	6	7.22	<13	PASS

		12	13	6.71	<13	PASS
		25	0	6.81	<13	PASS
	HCH	1	0	6	<13	PASS
		1	12	5.2	<13	PASS
		1	24	5.86	<13	PASS
		12	0	6.11	<13	PASS
		12	6	5.91	<13	PASS
		12	13	6.21	<13	PASS
		25	0	6.34	<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	4.95	<13	PASS
		1	24	5.81	<13	PASS
		1	49	4.23	<13	PASS
		25	0	6.31	<13	PASS
		25	12	6.34	<13	PASS
		25	25	5.63	<13	PASS
		50	0	5.79	<13	PASS
	MCH	1	0	5.1	<13	PASS
		1	24	5.51	<13	PASS
		1	49	4.45	<13	PASS
		25	0	6.34	<13	PASS
		25	12	6.05	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.64	<13	PASS
	HCH	1	0	5.2	<13	PASS
		1	24	4.89	<13	PASS
		1	49	4.63	<13	PASS
		25	0	6.25	<13	PASS
		25	12	5.76	<13	PASS
		25	25	5.54	<13	PASS
		50	0	5.53	<13	PASS
16QAM	LCH	1	0	5.76	<13	PASS
		1	24	6.69	<13	PASS
		1	49	5.13	<13	PASS
		25	0	7.13	<13	PASS
		25	12	7.16	<13	PASS
		25	25	6.56	<13	PASS

		50	0	6.61	<13	PASS
	MCH	1	0	5.93	<13	PASS
		1	24	6.41	<13	PASS
		1	49	5.3	<13	PASS
		25	0	7.16	<13	PASS
		25	12	6.89	<13	PASS
		25	25	6.35	<13	PASS
		50	0	6.46	<13	PASS
	HCH	1	0	6.12	<13	PASS
		1	24	5.81	<13	PASS
		1	49	5.48	<13	PASS
		25	0	7.11	<13	PASS
		25	12	6.67	<13	PASS
		25	25	6.32	<13	PASS
		50	0	6.43	<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

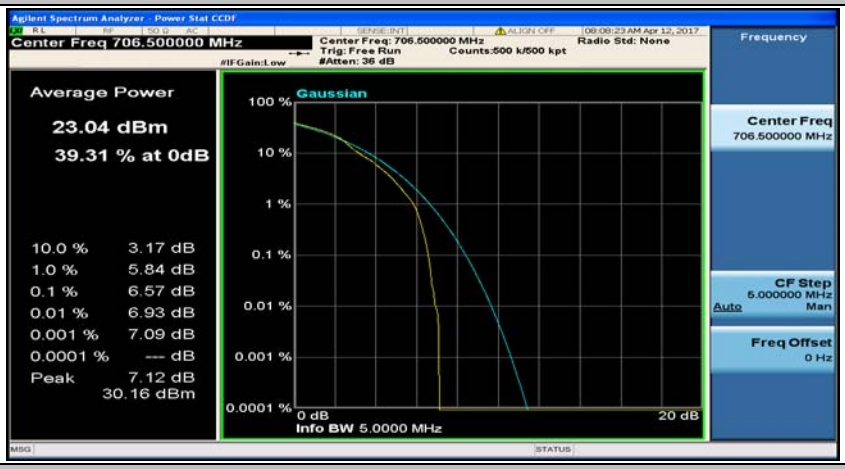
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(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

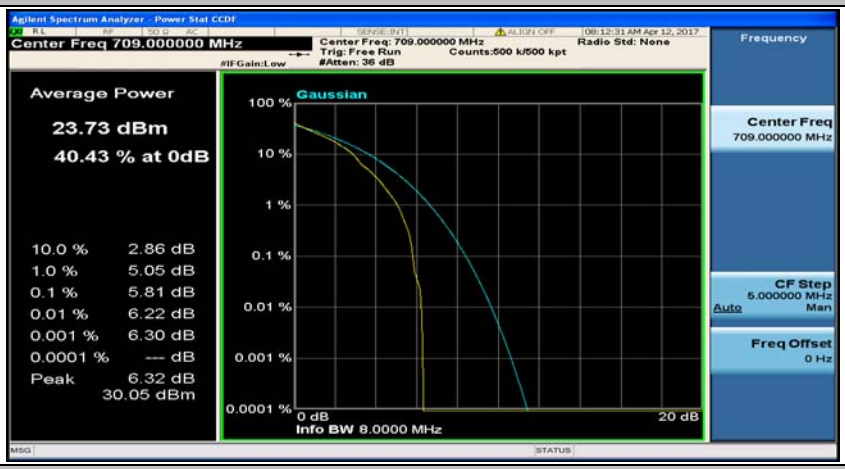
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 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

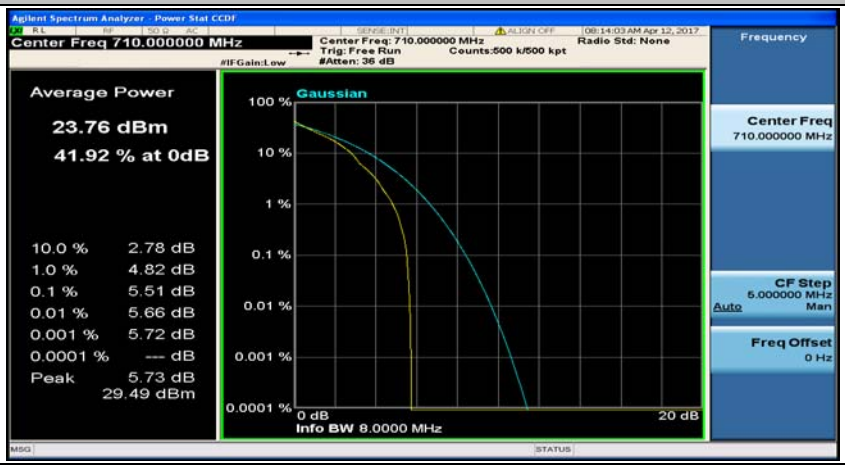
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

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

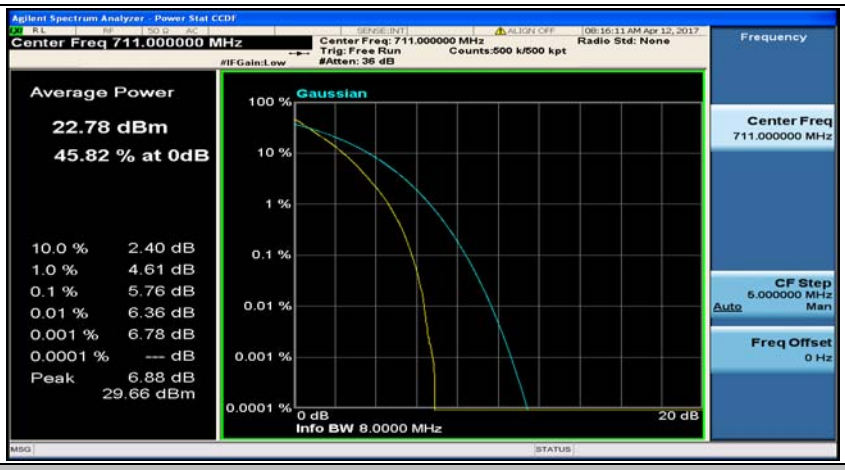
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

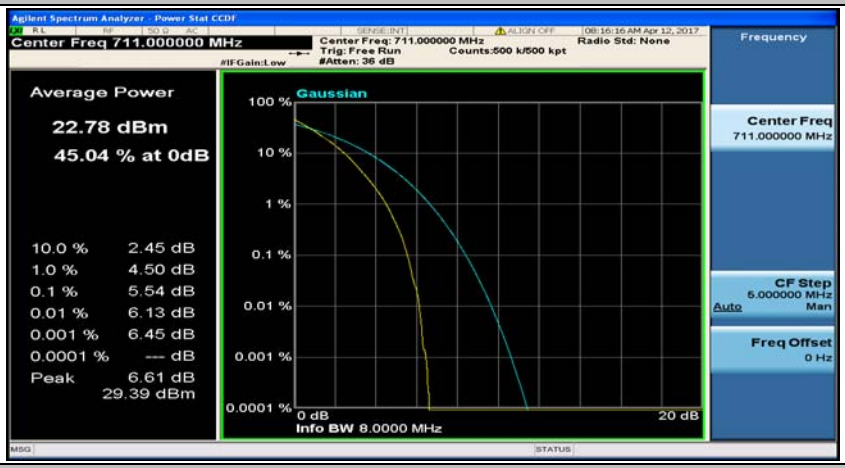
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



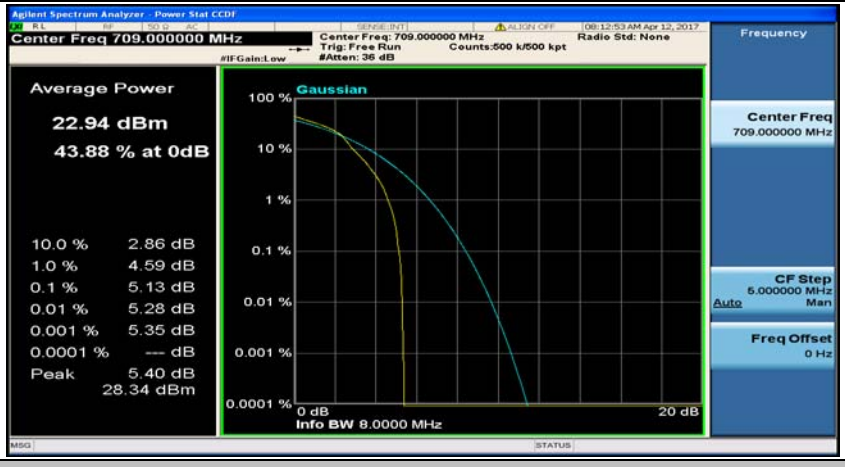
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

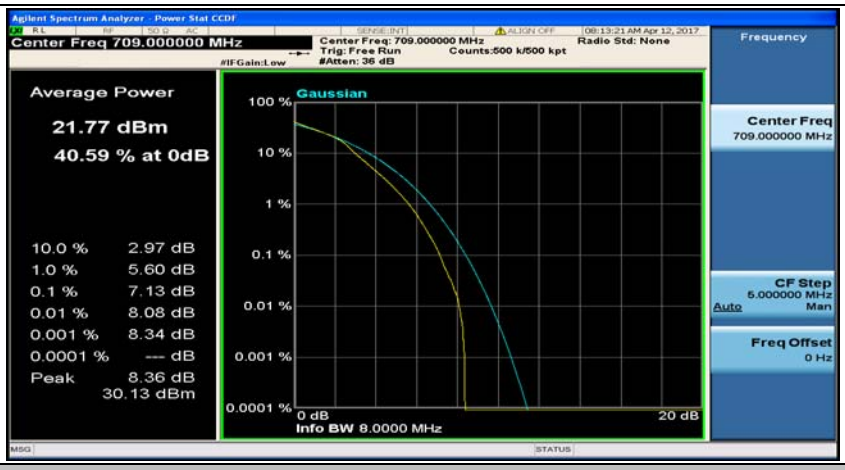


Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



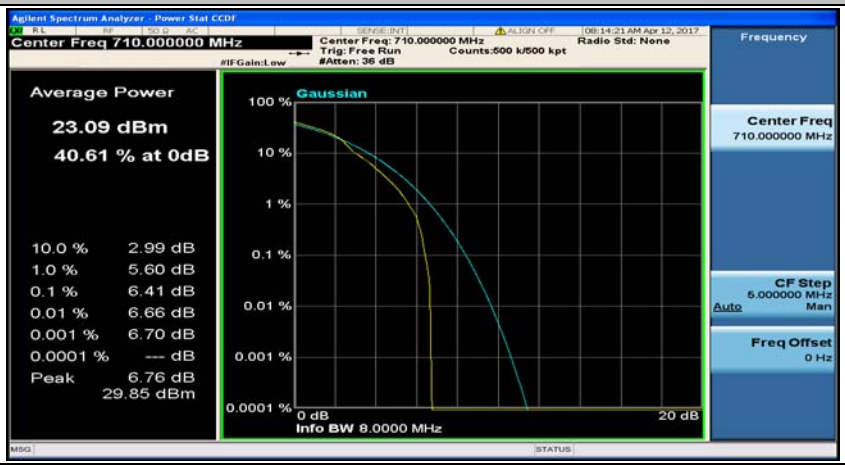
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_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

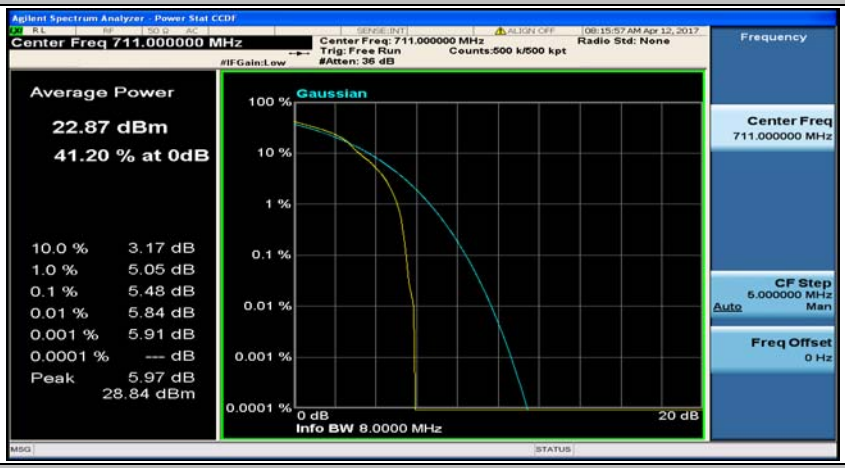
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

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

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	4.4933	4.861	PASS
	MCH	25	0	4.4707	4.791	PASS
	HCH	25	0	4.4855	4.809	PASS
16QAM	LCH	25	0	4.4816	4.869	PASS
	MCH	25	0	4.4854	4.768	PASS
	HCH	25	0	4.4749	4.828	PASS

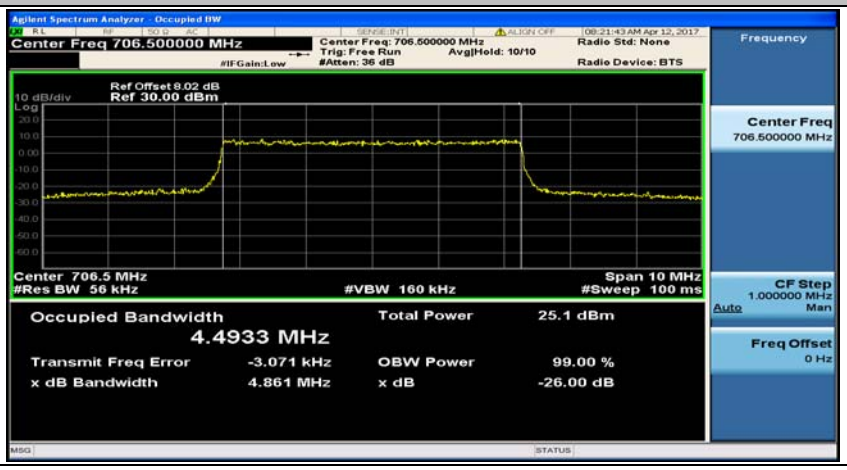
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9336	9.493	PASS
	MCH	50	0	8.9109	9.429	PASS
	HCH	50	0	8.8952	9.401	PASS
16QAM	LCH	50	0	8.9359	9.361	PASS
	MCH	50	0	8.9163	9.415	PASS
	HCH	50	0	8.8964	9.396	PASS

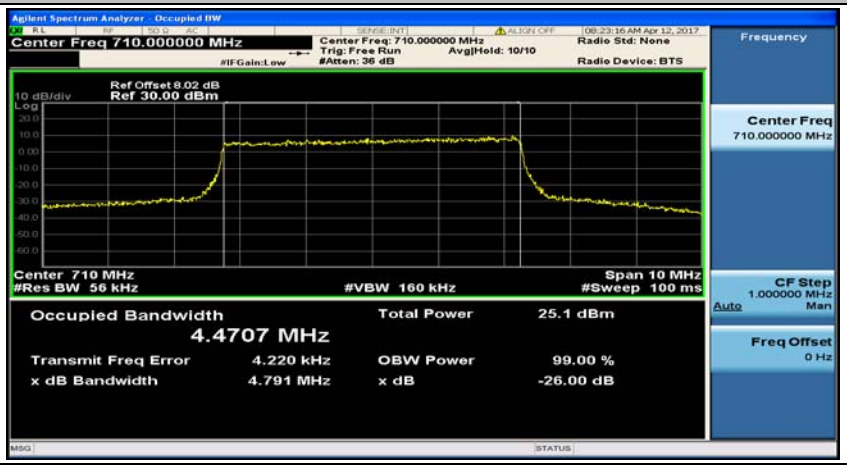
Test Graphs

Channel Bandwidth: 5 MHz

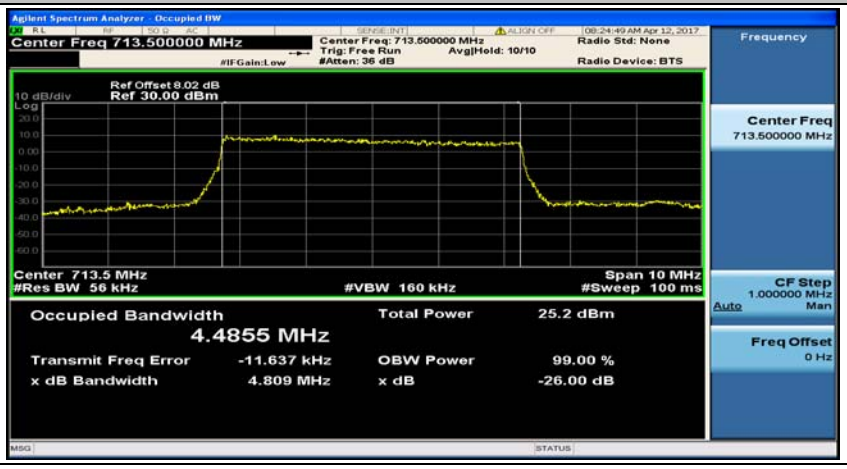
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



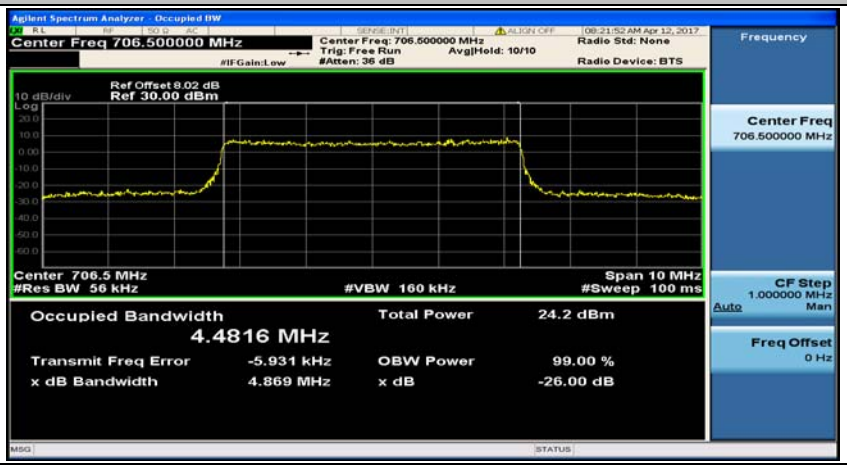
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



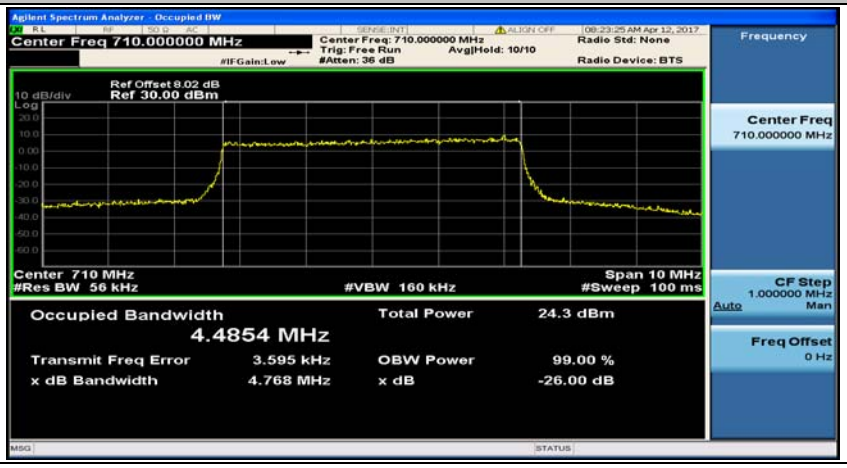
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



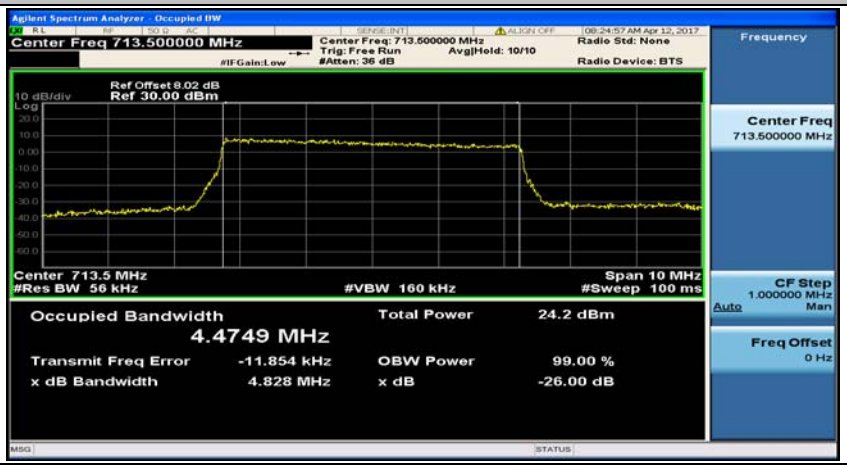
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



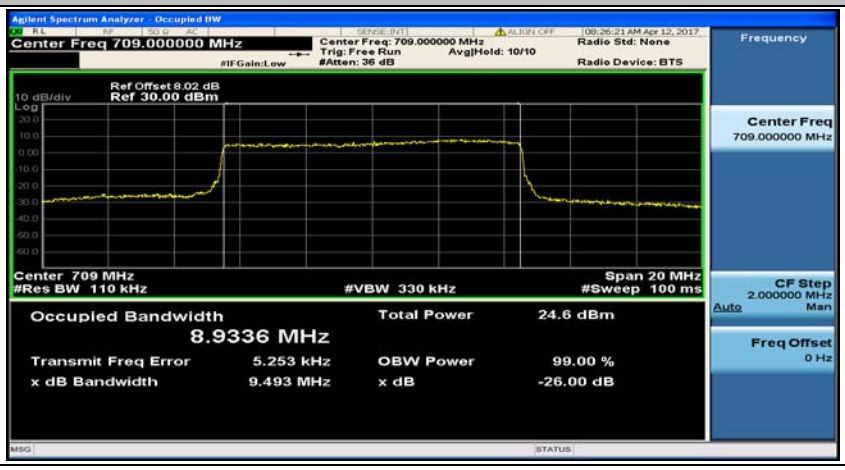
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

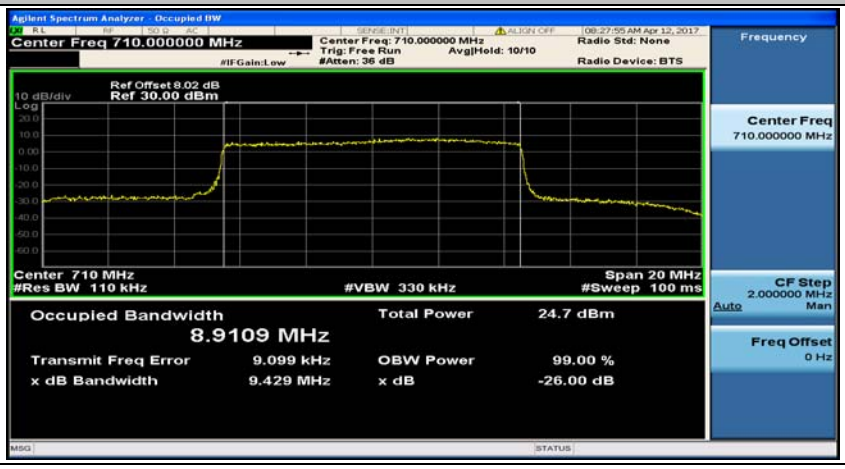


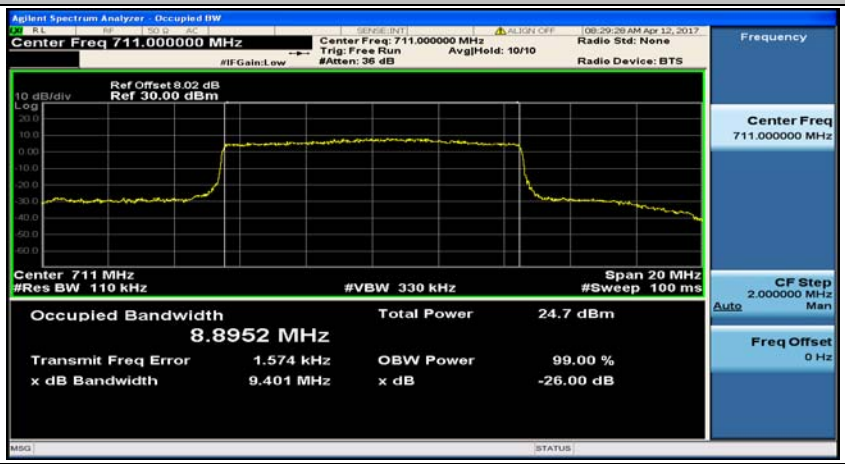
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

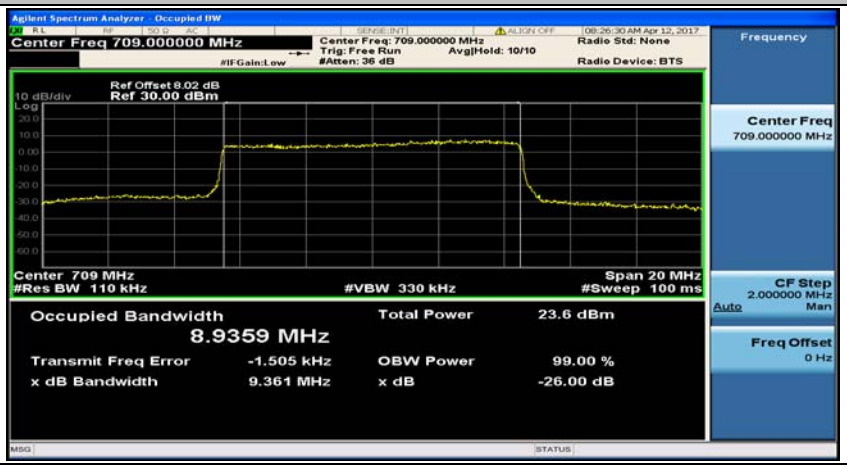


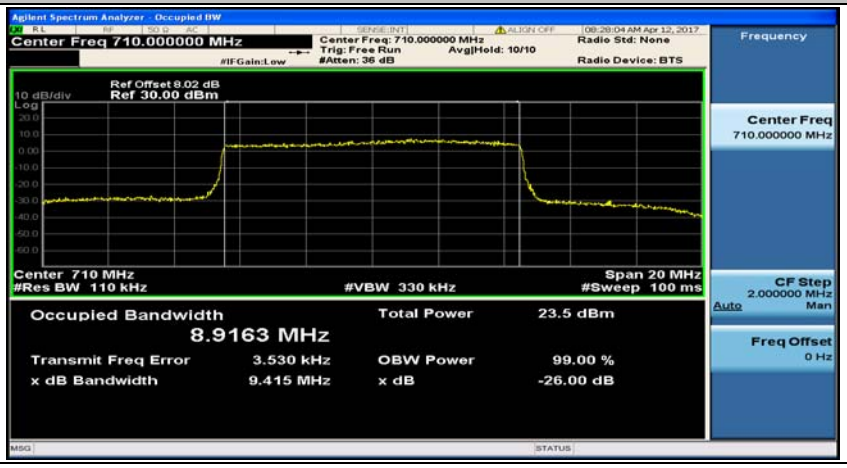
Channel Bandwidth: 10 MHz

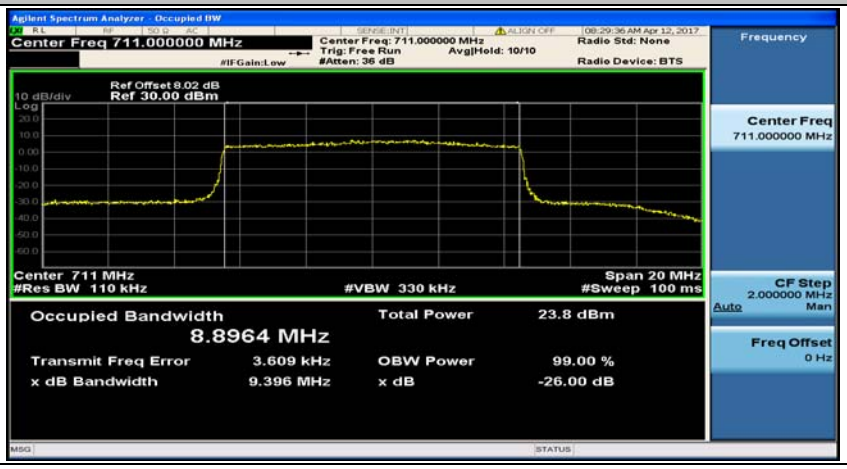
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0


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


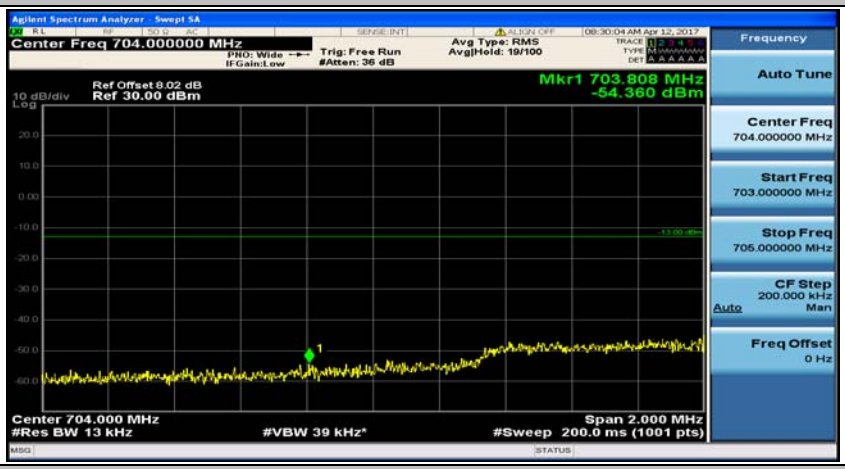
Appendix D: Band Edge

Test Graphs

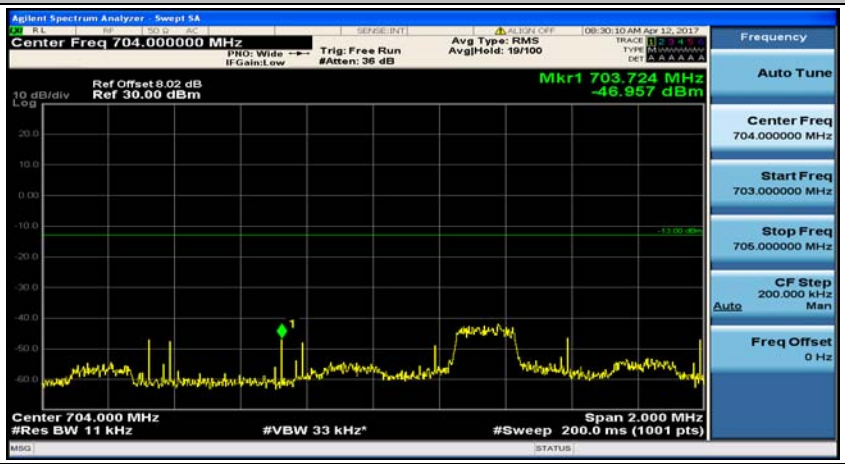
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

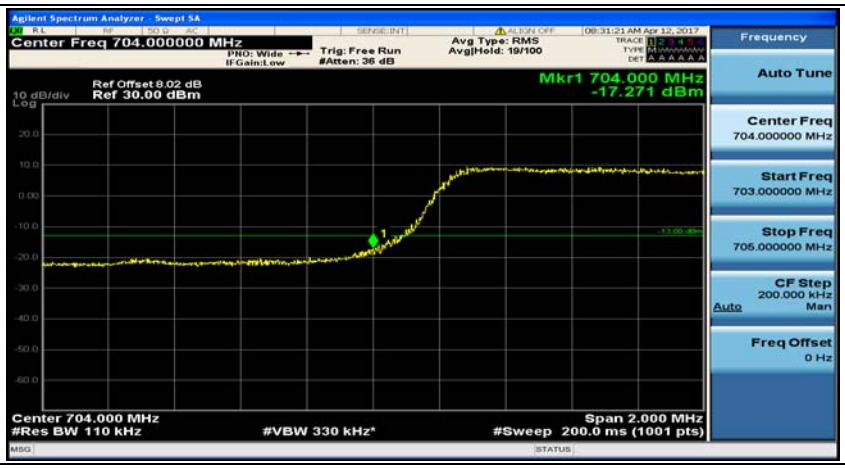


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

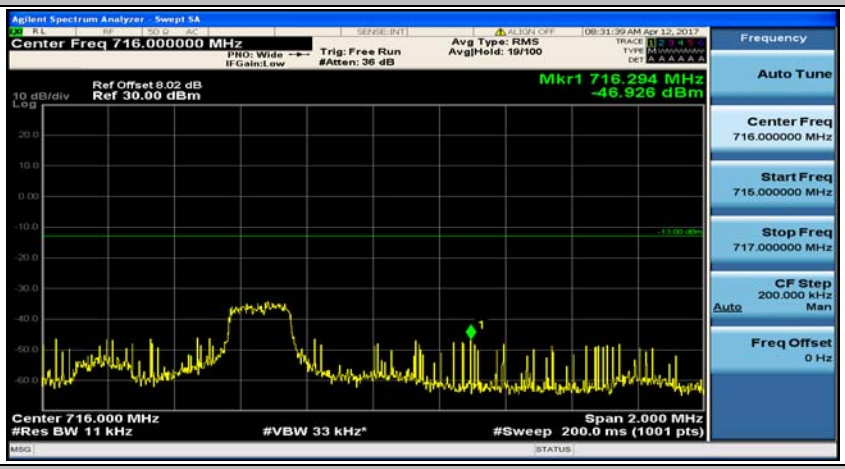
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

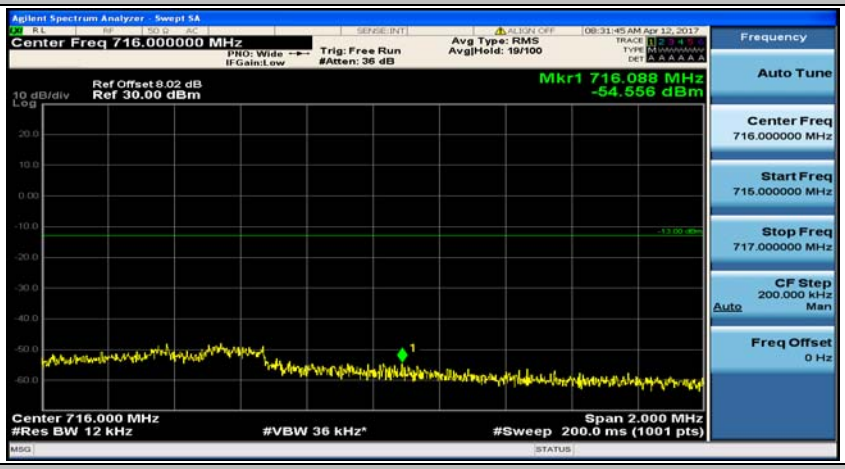
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

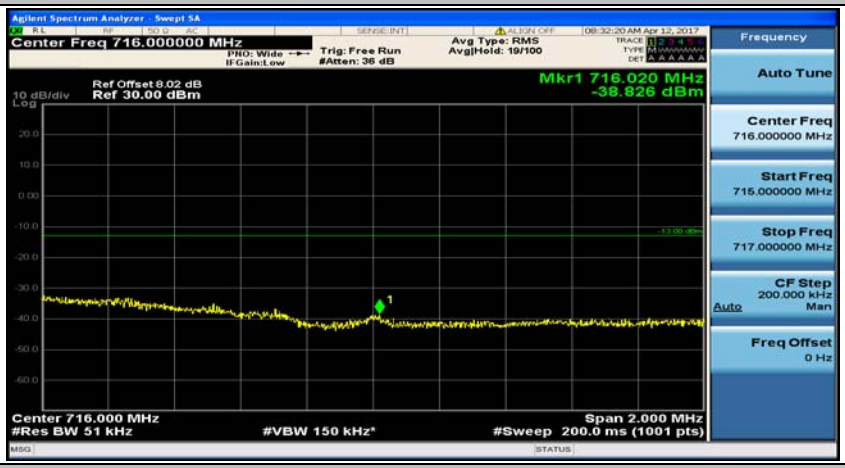


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

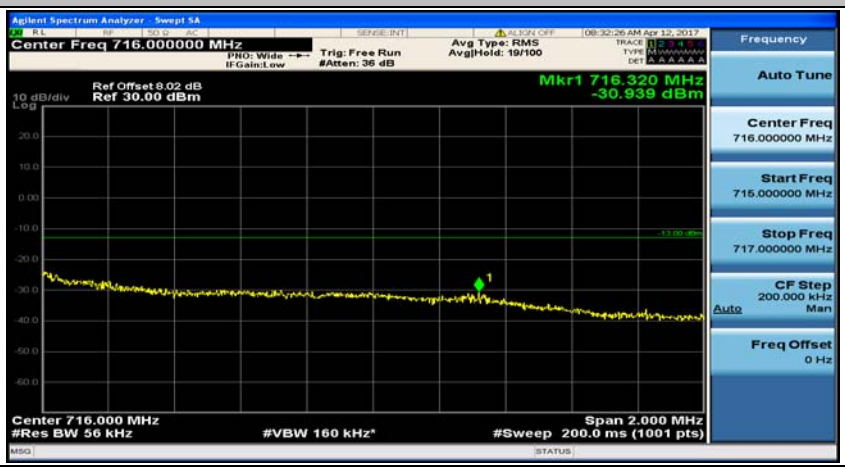


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



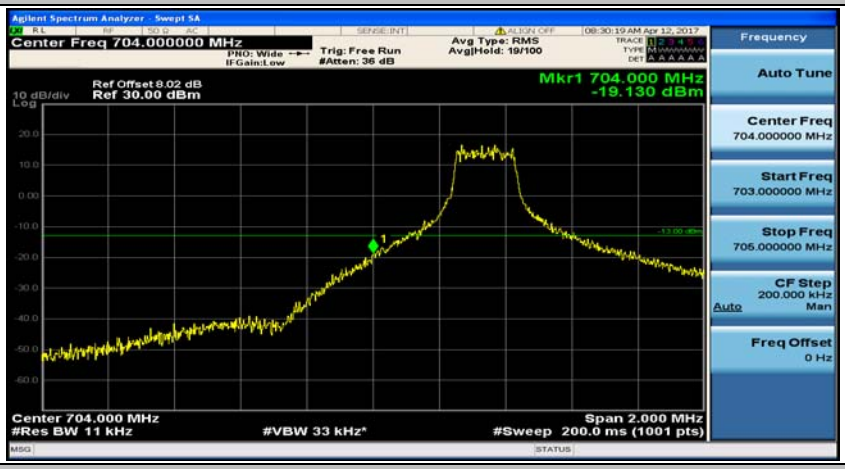
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



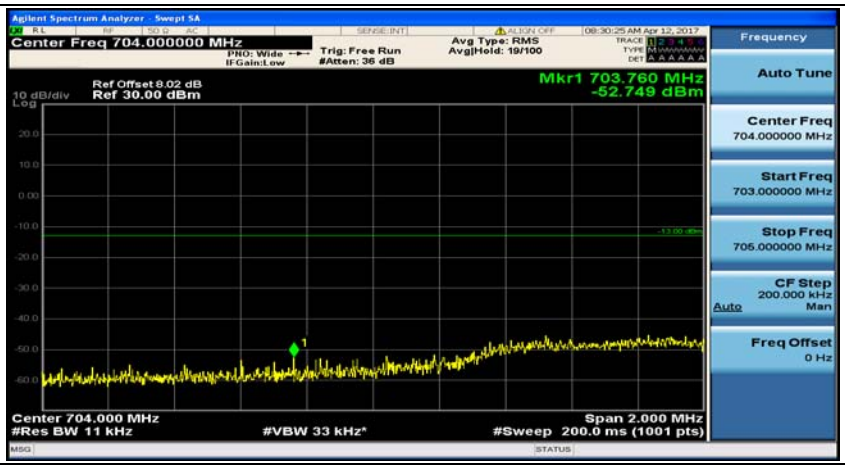
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

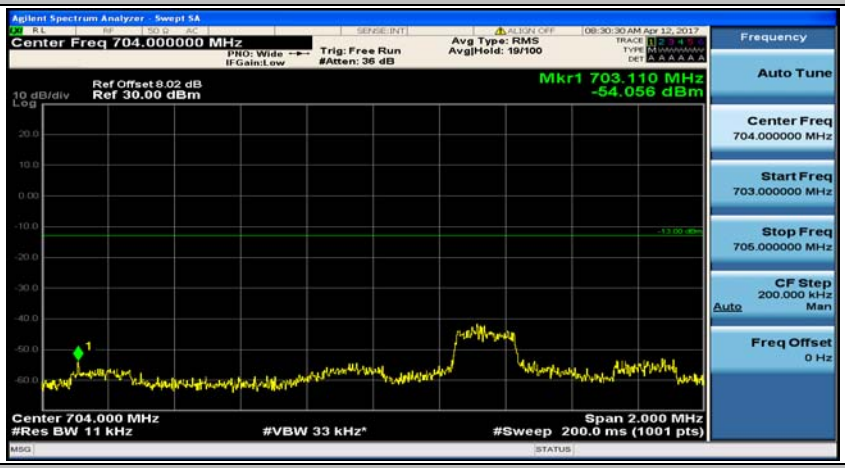
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



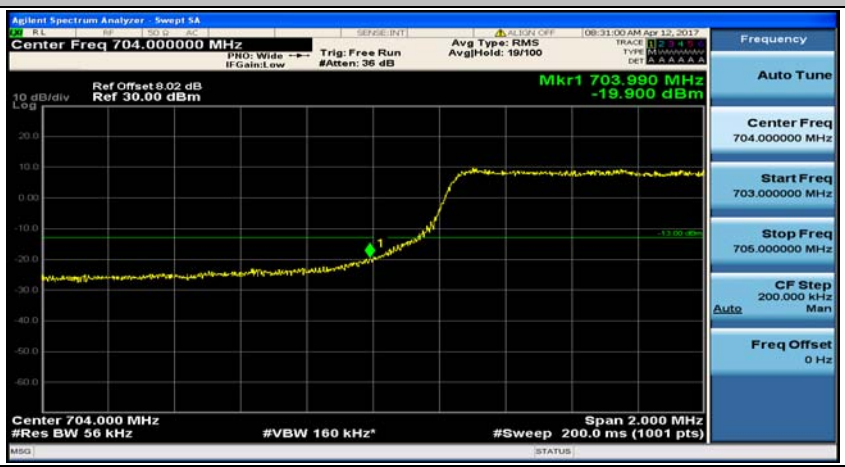
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



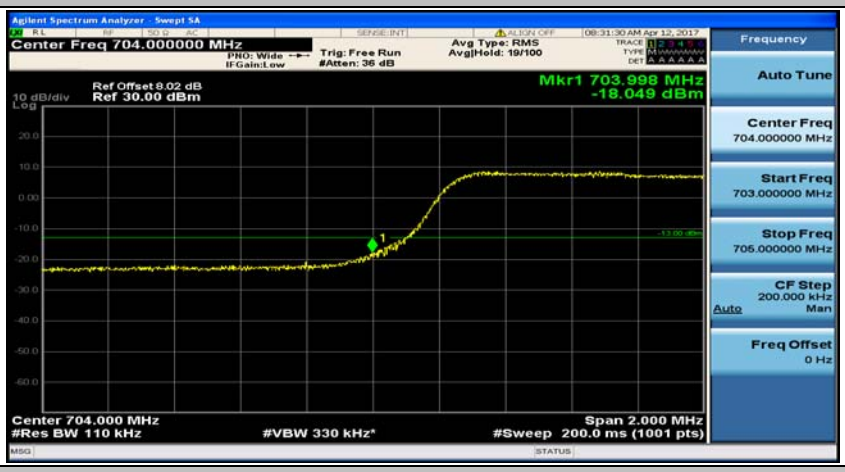
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



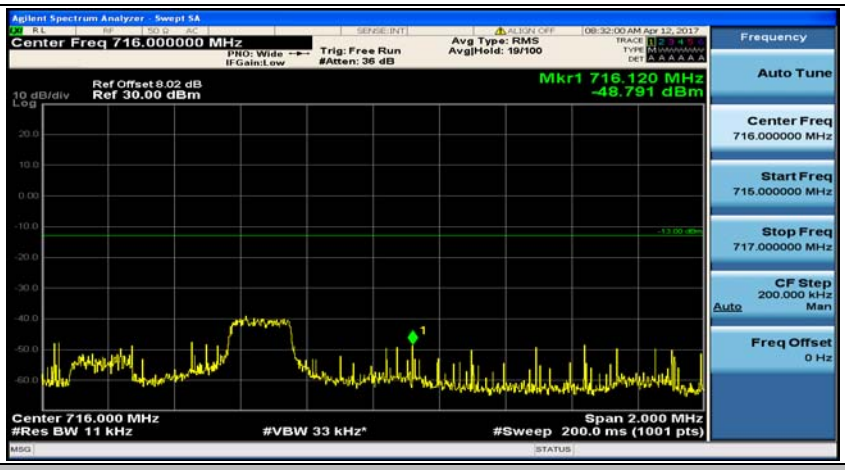
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

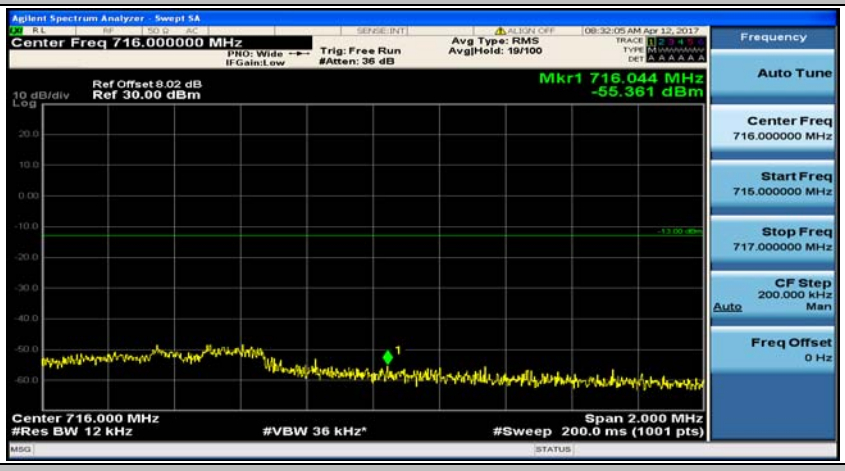
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

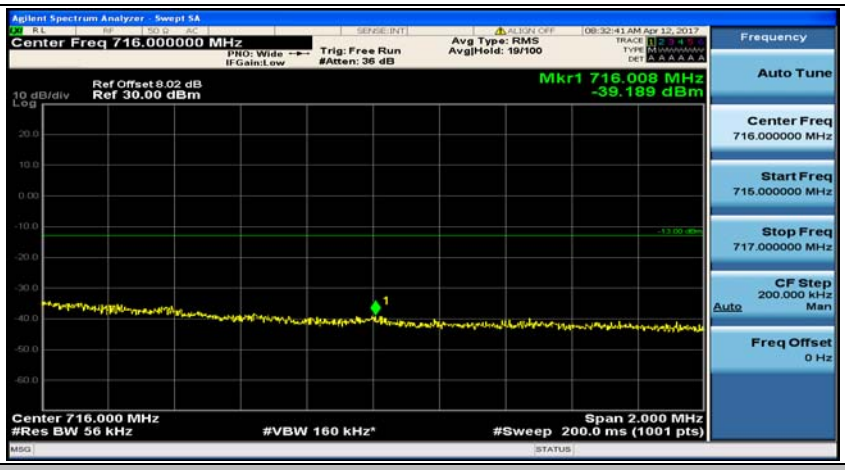


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



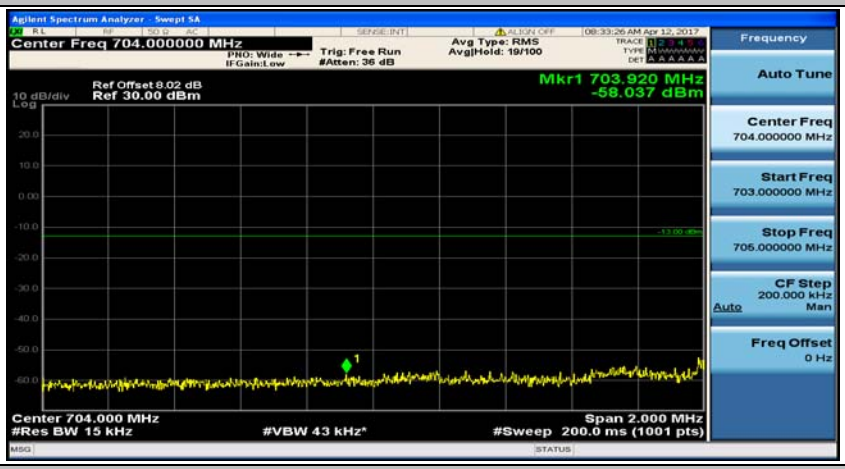
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

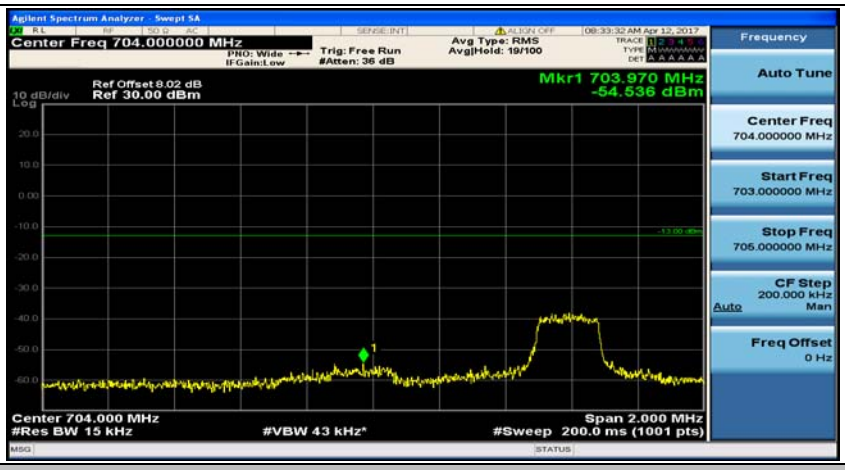
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

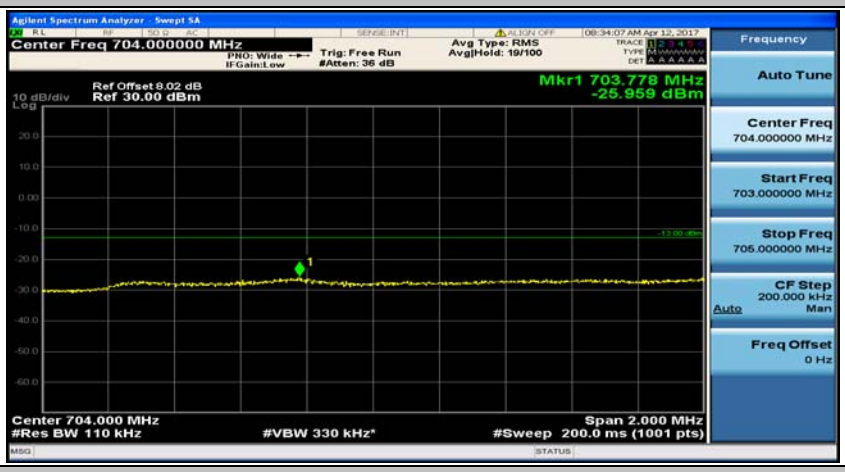
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

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