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	23.06	PASS
		1	12	23.47	PASS
		1	24	22.95	PASS
		12	0	22.05	PASS
		12	6	22.16	PASS
		12	13	22.09	PASS
		25	0	22.07	PASS
	MCH	1	0	22.99	PASS
		1	12	23.33	PASS
		1	24	22.91	PASS
		12	0	22.10	PASS
		12	6	22.12	PASS
		12	13	22.00	PASS
		25	0	22.08	PASS
	HCH	1	0	23.01	PASS
		1	12	23.21	PASS
		1	24	22.93	PASS
		12	0	21.99	PASS
		12	6	22.07	PASS
		12	13	22.03	PASS
		25	0	22.05	PASS
16QAM	LCH	1	0	22.38	PASS
		1	12	22.61	PASS
		1	24	22.26	PASS
		12	0	21.11	PASS
		12	6	21.22	PASS
		12	13	21.13	PASS
		25	0	21.11	PASS
	MCH	1	0	22.30	PASS
		1	12	22.62	PASS
		1	24	22.22	PASS
		12	0	21.23	PASS

		12	6	21.23	PASS
		12	13	21.14	PASS
		25	0	21.09	PASS
	HCH	1	0	22.18	PASS
		1	12	22.47	PASS
		1	24	22.20	PASS
		12	0	21.04	PASS
		12	6	21.09	PASS
		12	13	20.93	PASS
		25	0	21.12	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.52	PASS
		1	24	23.19	PASS
		1	49	22.89	PASS
		25	0	22.51	PASS
		25	12	22.49	PASS
		25	25	22.48	PASS
		50	0	22.44	PASS
	MCH	1	0	23.01	PASS
		1	24	23.20	PASS
		1	49	22.92	PASS
		25	0	22.10	PASS
		25	12	22.07	PASS
		25	25	22.07	PASS
		50	0	22.03	PASS
	HCH	1	0	23.02	PASS
		1	24	23.22	PASS
		1	49	22.95	PASS
		25	0	22.12	PASS
		25	12	22.05	PASS
		25	25	22.05	PASS
		50	0	22.00	PASS
16QAM	LCH	1	0	22.36	PASS
		1	24	22.53	PASS
		1	49	22.25	PASS
		25	0	21.14	PASS
		25	12	21.12	PASS
		25	25	21.07	PASS
		50	0	21.12	PASS

	MCH	1	0	22.50	PASS
		1	24	22.66	PASS
		1	49	22.42	PASS
		25	0	21.14	PASS
		25	12	21.14	PASS
		25	25	21.08	PASS
		50	0	21.08	PASS
	HCH	1	0	22.40	PASS
		1	24	22.49	PASS
		1	49	22.26	PASS
		25	0	21.11	PASS
		25	12	21.05	PASS
		25	25	21.04	PASS
		50	0	21.08	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	5.28	<13	PASS
		1	12	5.12	<13	PASS
		1	24	5.34	<13	PASS
		12	0	5.55	<13	PASS
		12	6	5.46	<13	PASS
		12	13	5.53	<13	PASS
		25	0	5.62	<13	PASS
	MCH	1	0	5.26	<13	PASS
		1	12	5.01	<13	PASS
		1	24	5.05	<13	PASS
		12	0	5.66	<13	PASS
		12	6	5.6	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.6	<13	PASS
	HCH	1	0	5.45	<13	PASS
		1	12	5.14	<13	PASS
		1	24	5.36	<13	PASS
		12	0	5.61	<13	PASS
		12	6	5.57	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.6	<13	PASS
16QAM	LCH	1	0	6.3	<13	PASS
		1	12	6.08	<13	PASS
		1	24	6.28	<13	PASS
		12	0	6.39	<13	PASS
		12	6	6.33	<13	PASS
		12	13	6.28	<13	PASS
		25	0	6.34	<13	PASS
	MCH	1	0	6.04	<13	PASS
		1	12	6	<13	PASS
		1	24	5.92	<13	PASS
		12	0	6.34	<13	PASS
		12	6	6.5	<13	PASS

		12	13	6.41	<13	PASS
		25	0	6.31	<13	PASS
	HCH	1	0	6.09	<13	PASS
		1	12	5.93	<13	PASS
		1	24	5.95	<13	PASS
		12	0	6.47	<13	PASS
		12	6	6.43	<13	PASS
		12	13	6.45	<13	PASS
		25	0	6.28	<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	5.15	<13	PASS
		1	24	5.21	<13	PASS
		1	49	5.05	<13	PASS
		25	0	5.61	<13	PASS
		25	12	5.53	<13	PASS
		25	25	5.61	<13	PASS
		50	0	5.53	<13	PASS
	MCH	1	0	5.03	<13	PASS
		1	24	4.85	<13	PASS
		1	49	4.88	<13	PASS
		25	0	5.6	<13	PASS
		25	12	5.58	<13	PASS
		25	25	5.58	<13	PASS
		50	0	5.58	<13	PASS
	HCH	1	0	5.05	<13	PASS
		1	24	4.95	<13	PASS
		1	49	4.98	<13	PASS
		25	0	5.49	<13	PASS
		25	12	5.49	<13	PASS
		25	25	5.52	<13	PASS
		50	0	5.54	<13	PASS
16QAM	LCH	1	0	6.18	<13	PASS
		1	24	6.09	<13	PASS
		1	49	6.01	<13	PASS
		25	0	6.41	<13	PASS
		25	12	6.47	<13	PASS
		25	25	6.55	<13	PASS

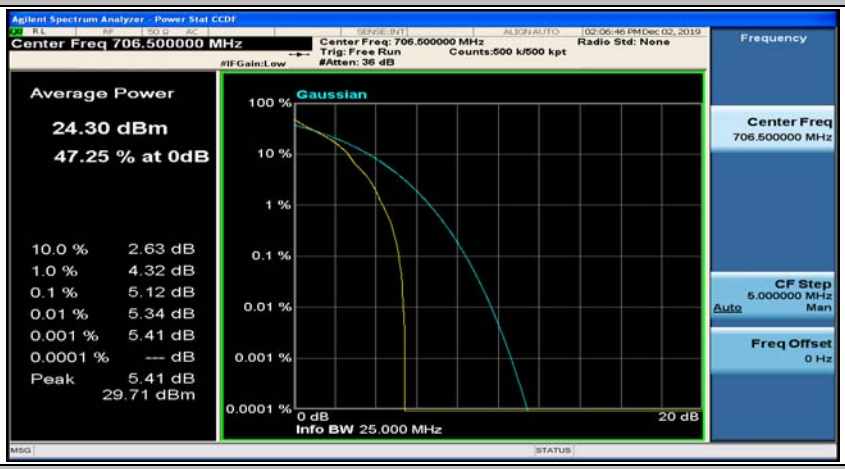
		50	0	6.35	<13	PASS
	MCH	1	0	5.91	<13	PASS
		1	24	5.95	<13	PASS
		1	49	5.86	<13	PASS
		25	0	6.42	<13	PASS
		25	12	6.47	<13	PASS
		25	25	6.39	<13	PASS
		50	0	6.34	<13	PASS
	HCH	1	0	6.17	<13	PASS
		1	24	6.15	<13	PASS
		1	49	6.05	<13	PASS
		25	0	6.42	<13	PASS
		25	12	6.5	<13	PASS
		25	25	6.44	<13	PASS
		50	0	6.35	<13	PASS

Test Graphs

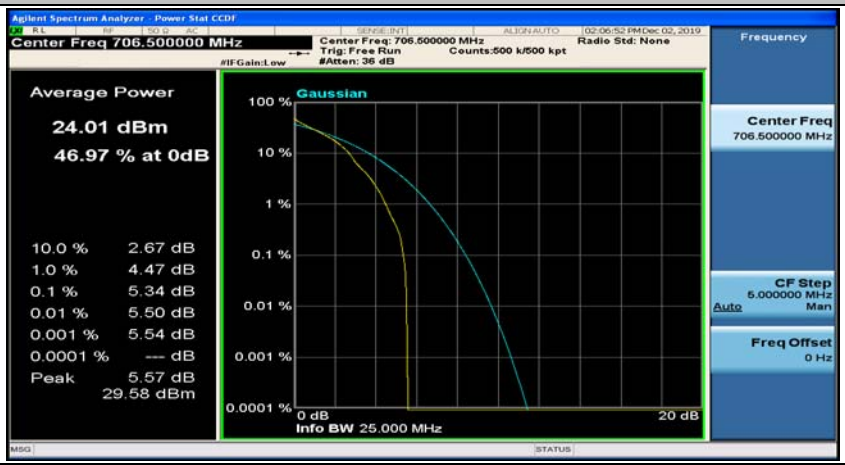
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

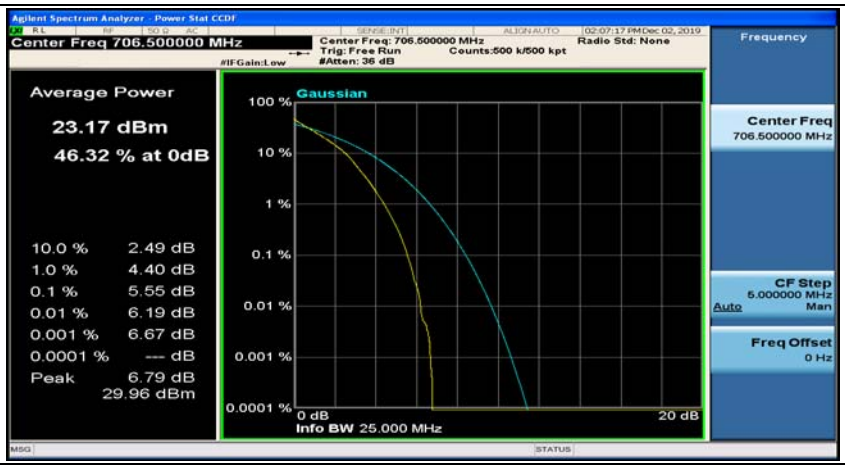
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



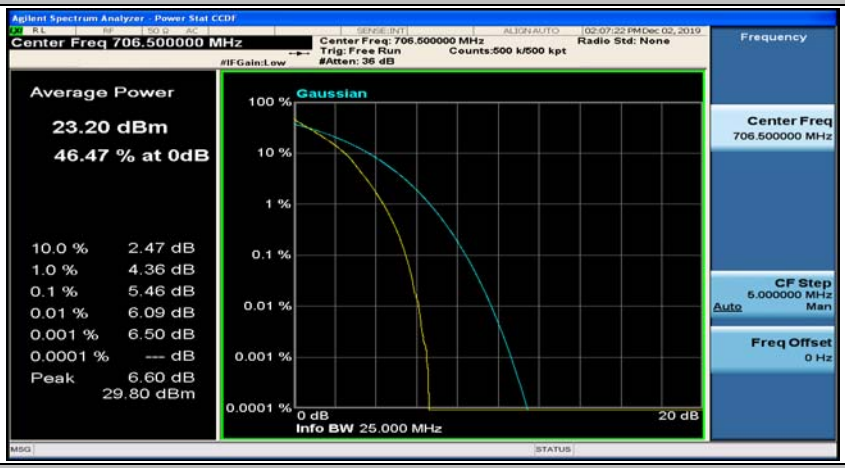
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



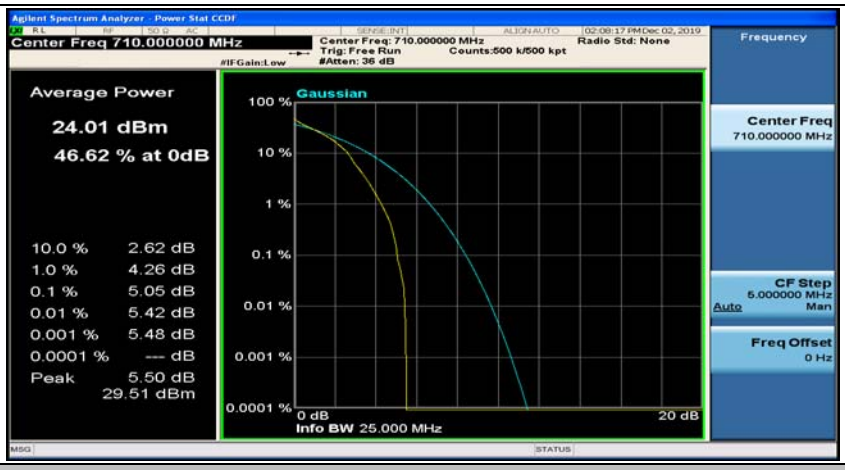
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

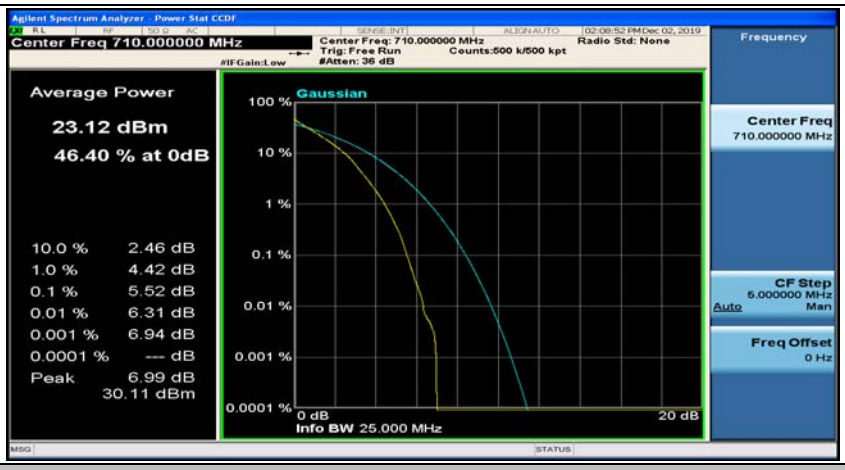
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

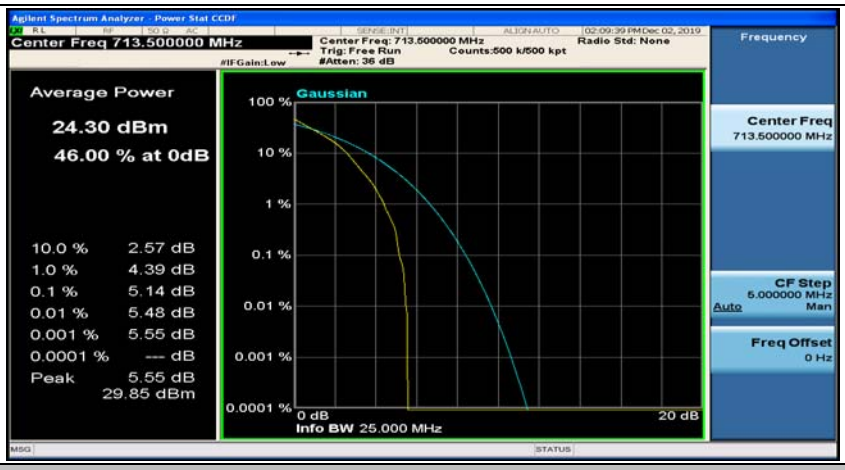
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

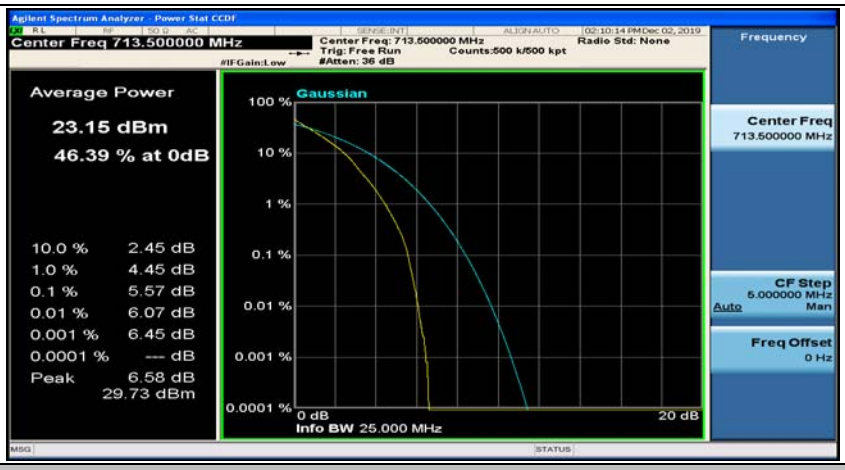
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(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

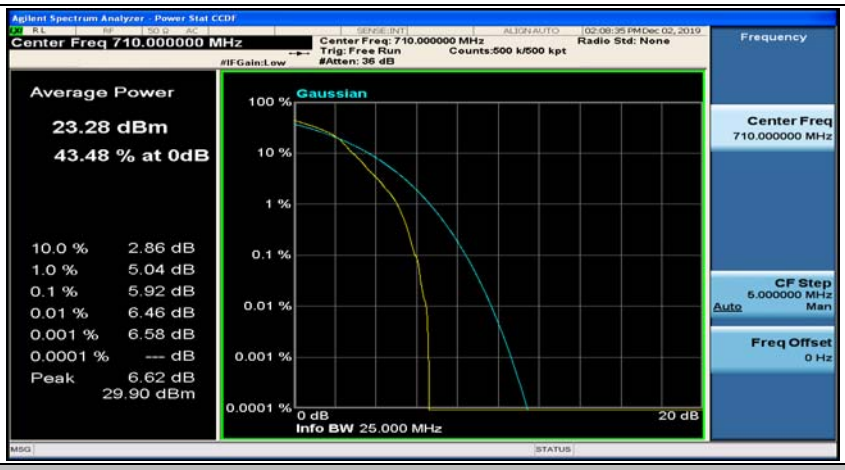
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

(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

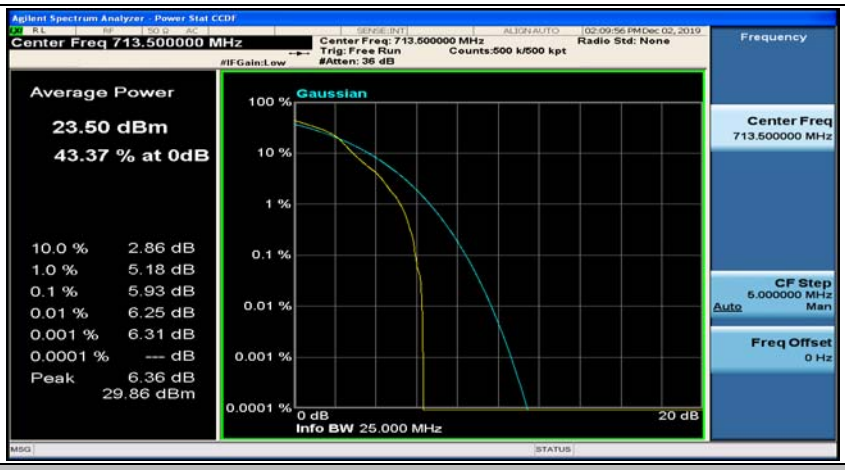
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(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

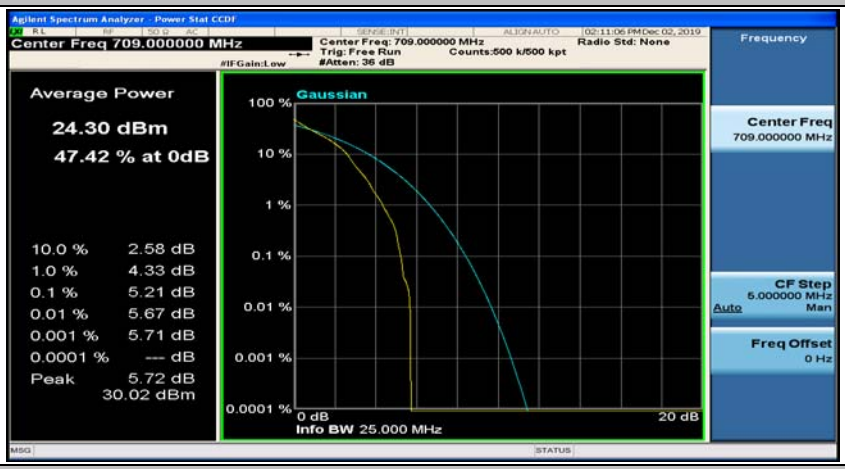
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

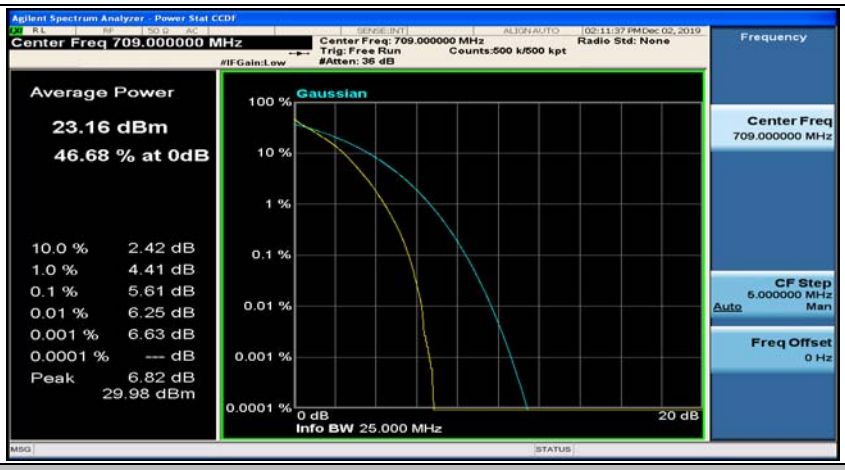
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(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



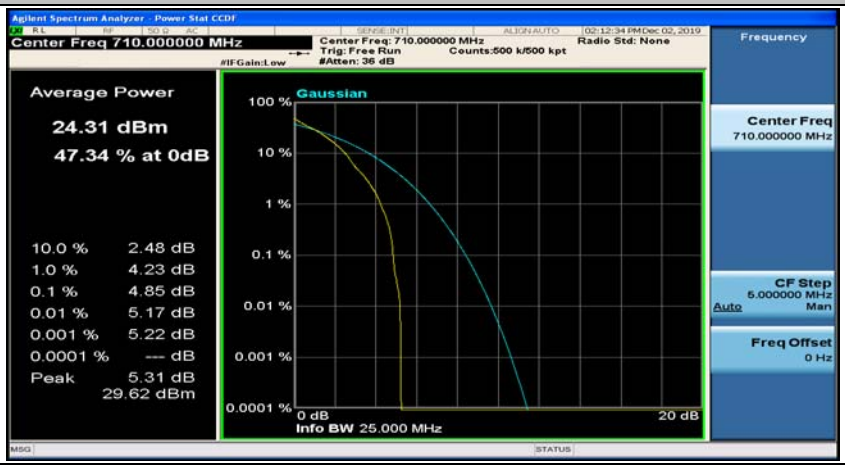
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

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

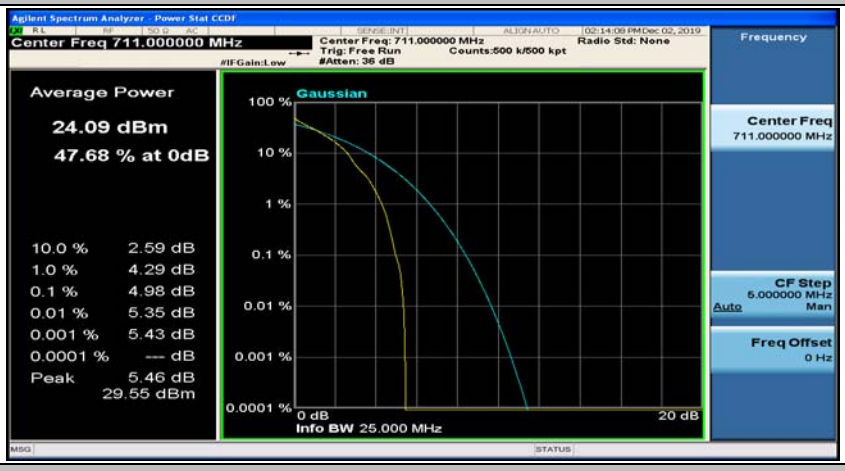
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

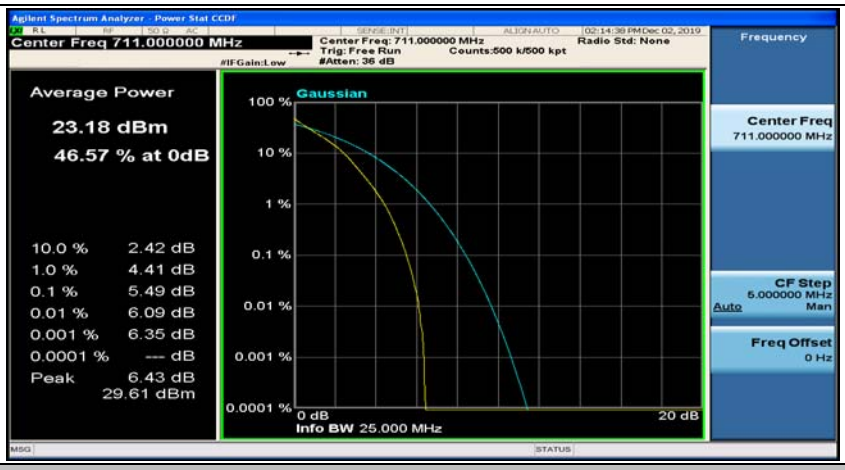
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

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

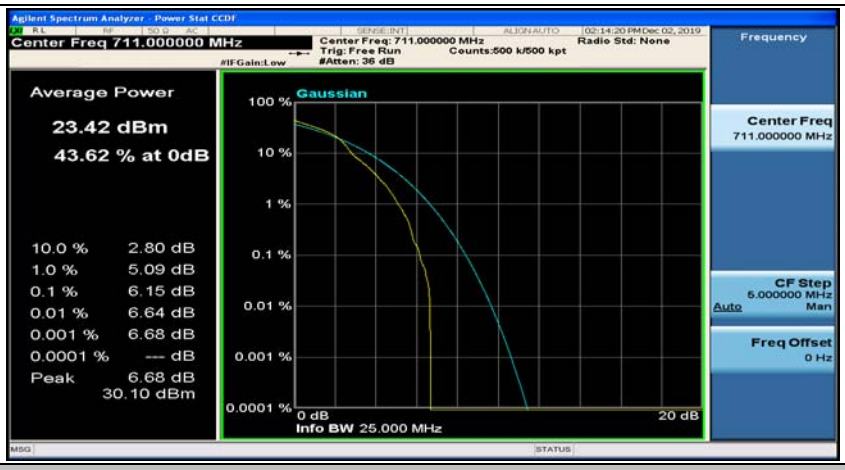
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

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	4.4714	4.877	PASS
	MCH	25	0	4.4744	4.831	PASS
	HCH	25	0	4.4802	4.856	PASS
16QAM	LCH	25	0	4.4758	4.809	PASS
	MCH	25	0	4.4689	4.837	PASS
	HCH	25	0	4.4807	4.844	PASS

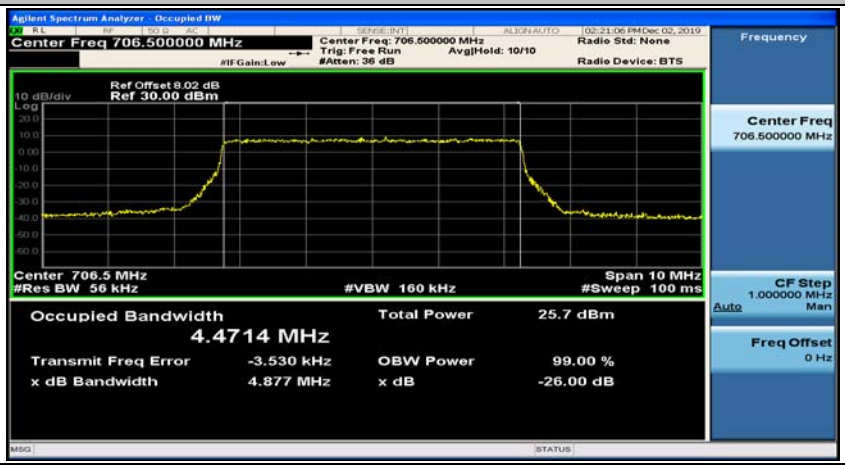
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9478	9.439	PASS
	MCH	50	0	8.9342	9.466	PASS
	HCH	50	0	8.9385	9.448	PASS
16QAM	LCH	50	0	8.9402	9.526	PASS
	MCH	50	0	8.9437	9.491	PASS
	HCH	50	0	8.9231	9.514	PASS

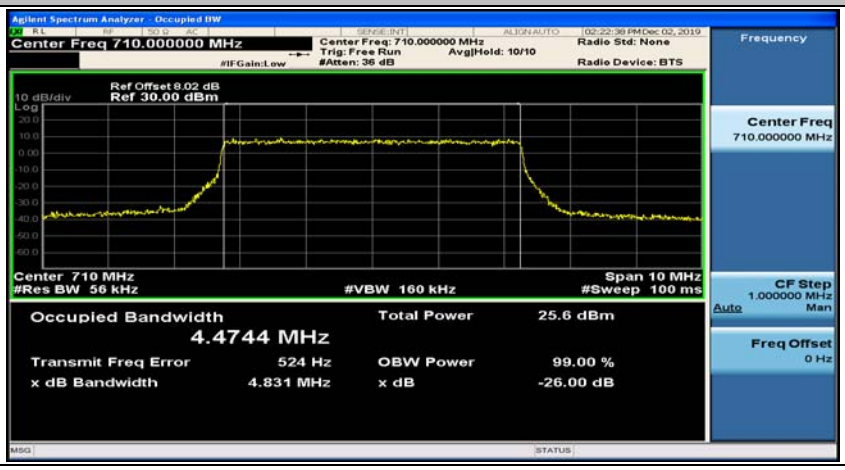
Test Graphs

Channel Bandwidth: 5 MHz

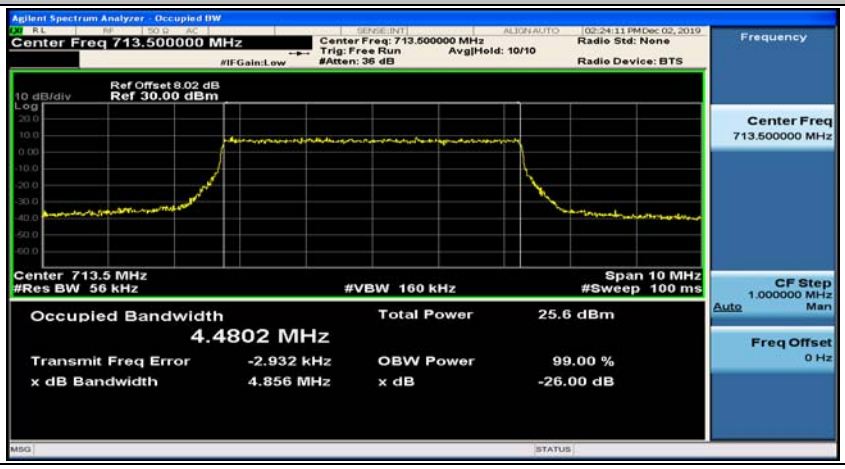
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



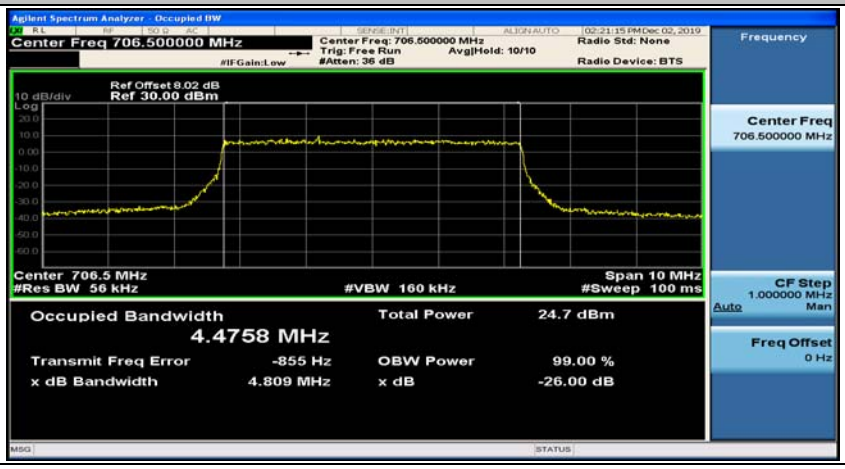
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



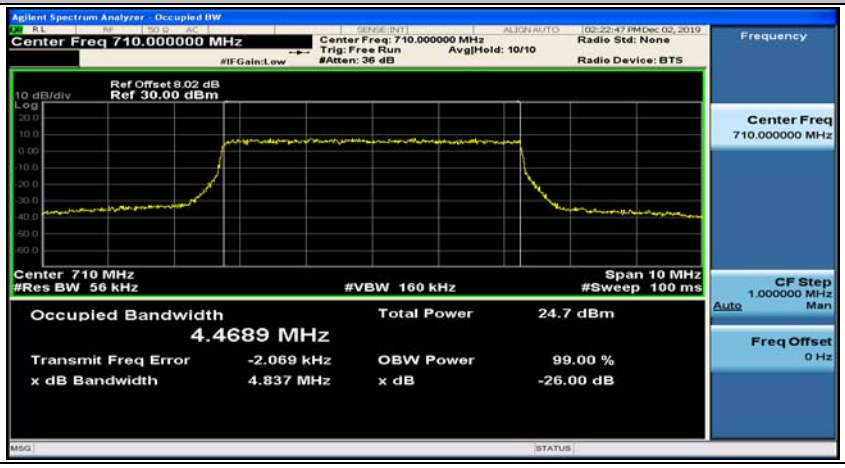
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



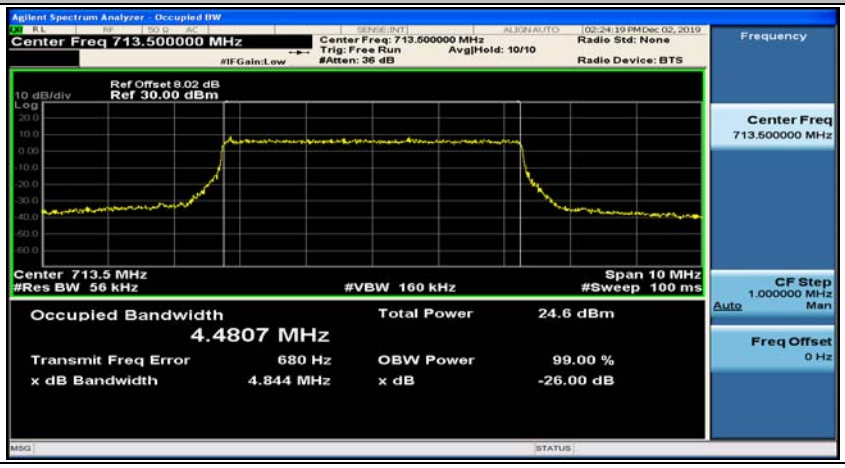
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



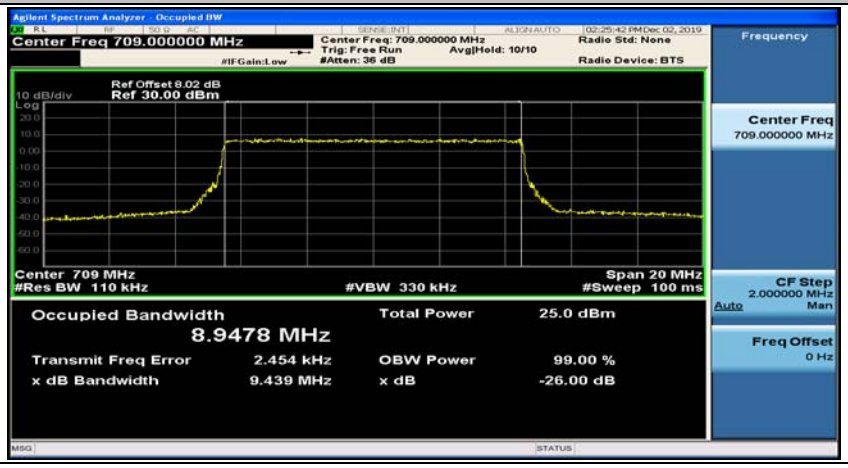
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

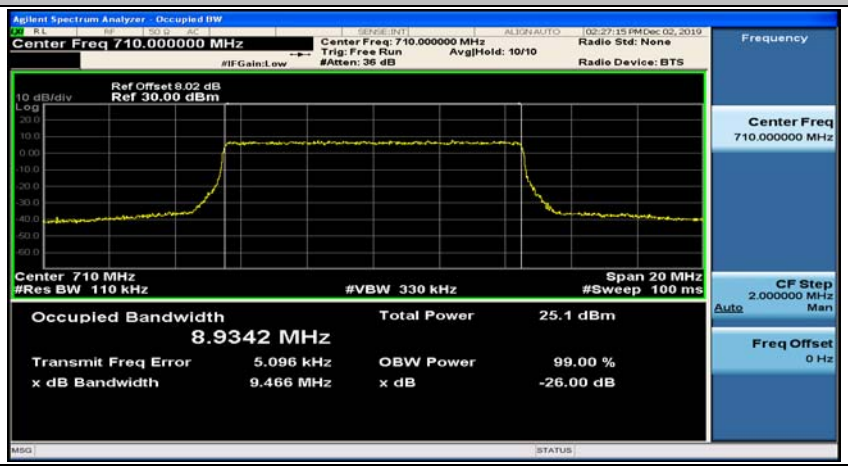


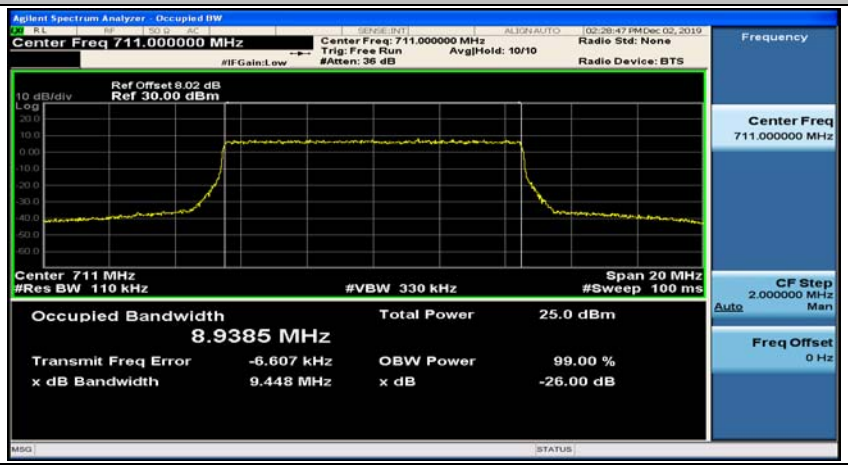
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

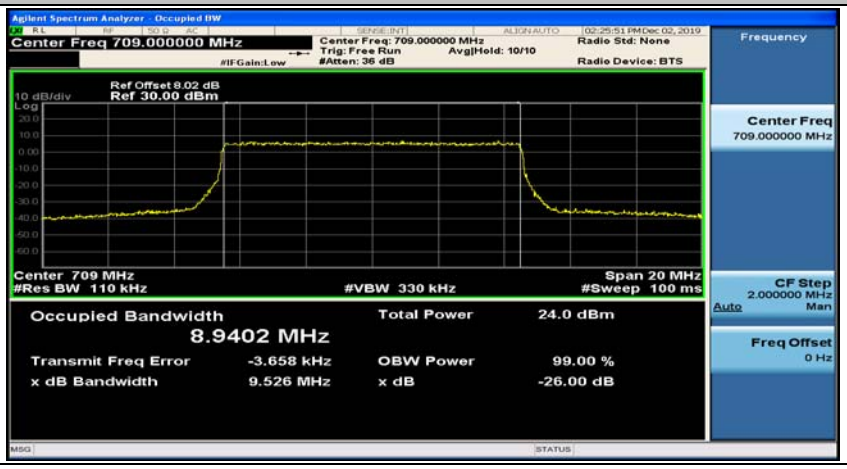


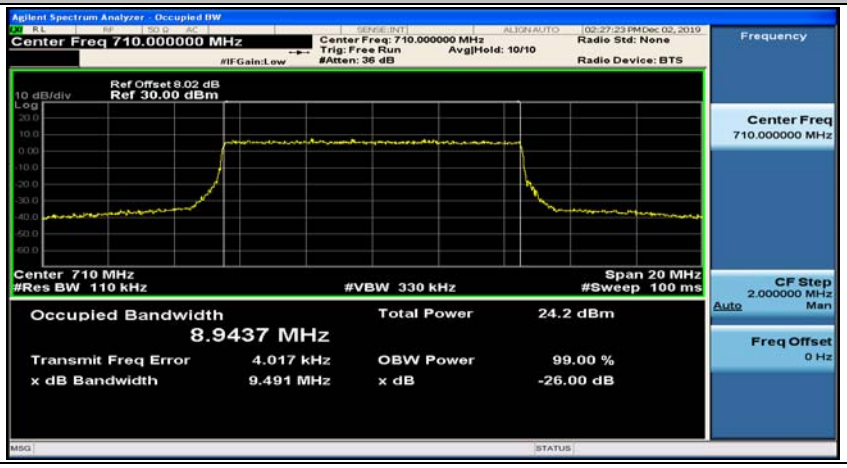
Channel Bandwidth: 10 MHz

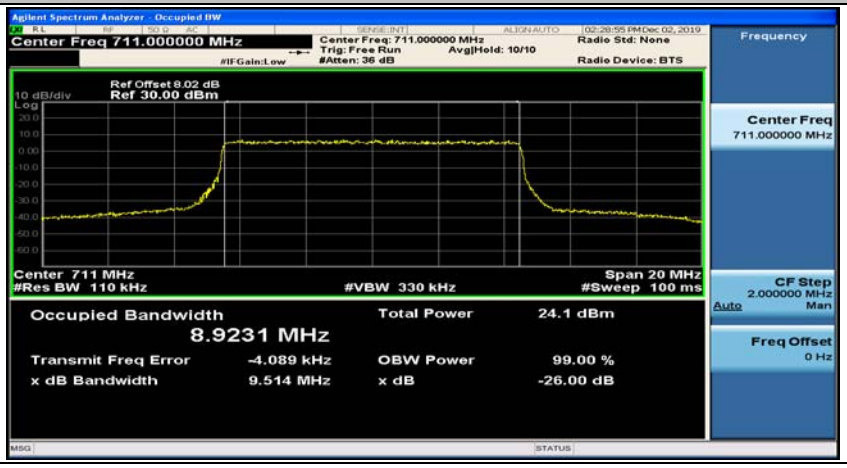
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0


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


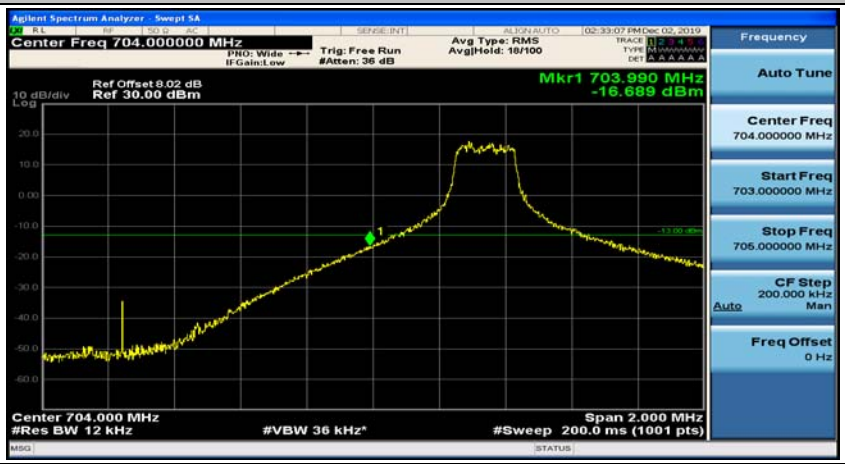
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0


Appendix D: Band Edge

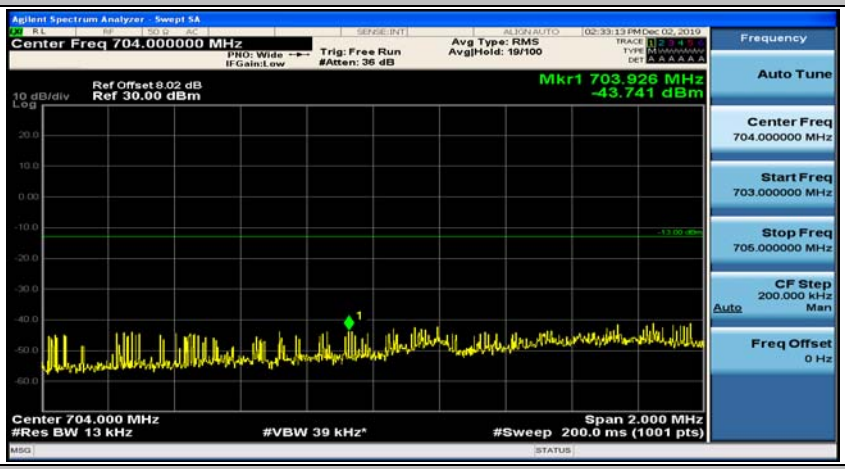
Test Graphs

Channel Bandwidth: 5 MHz

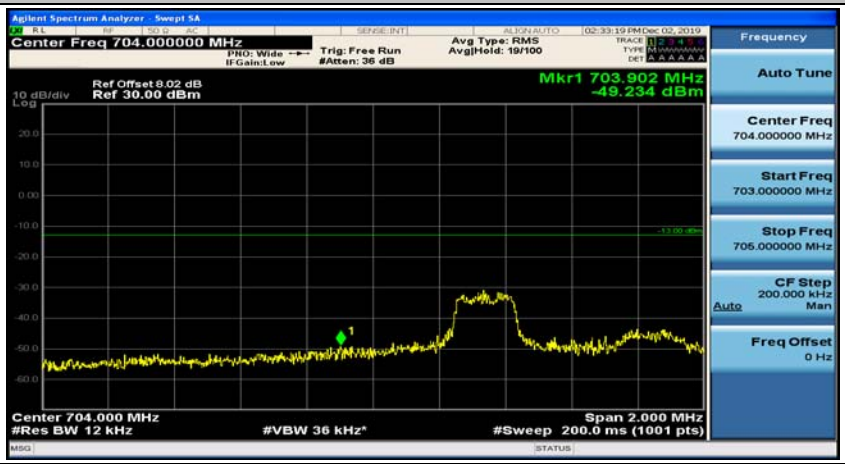
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

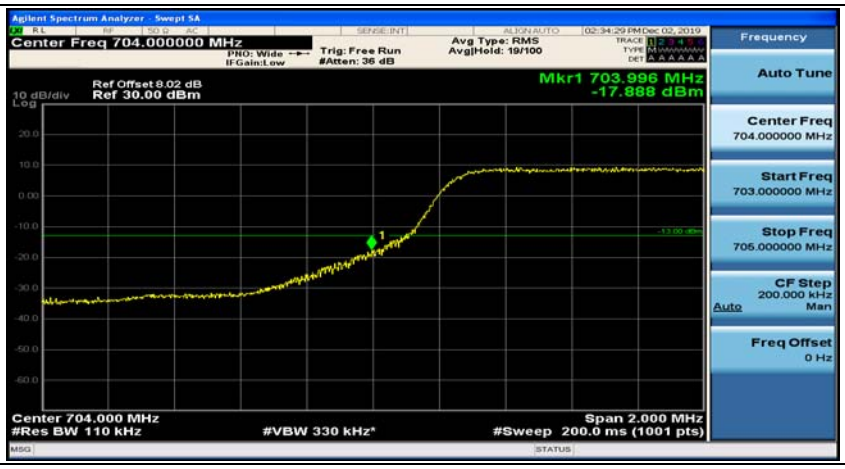


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

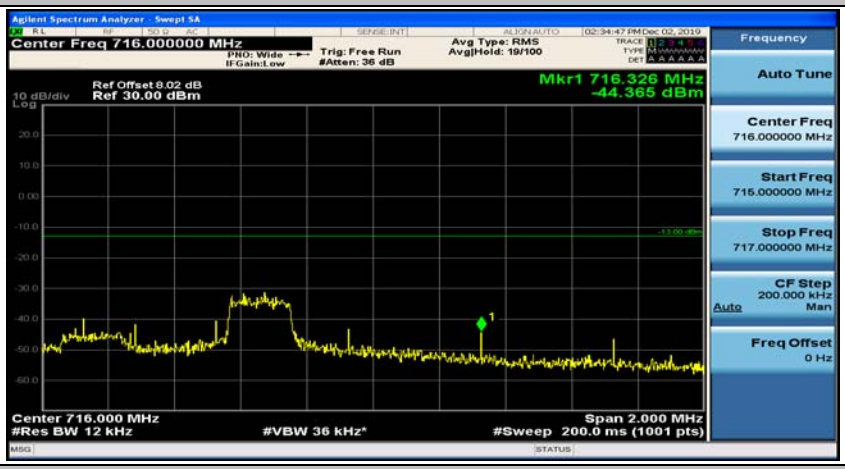
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

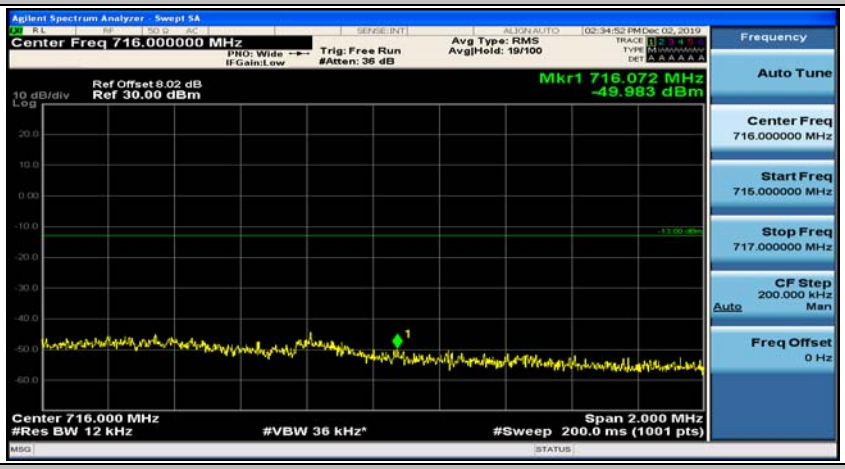
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(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

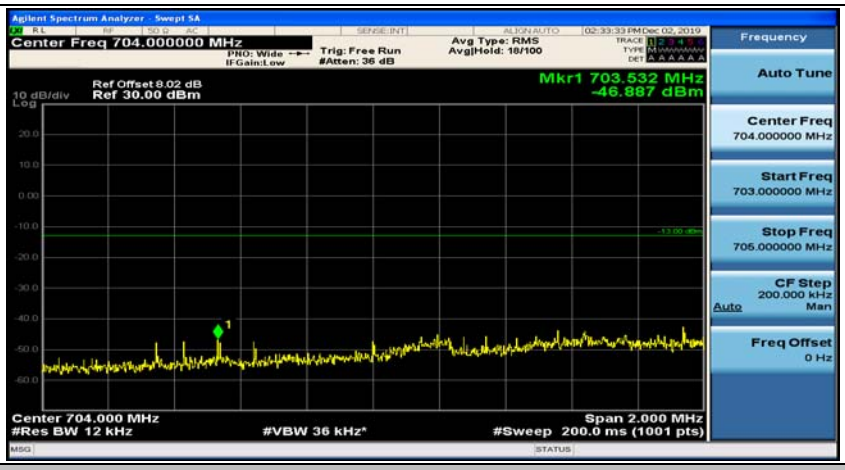
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

(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

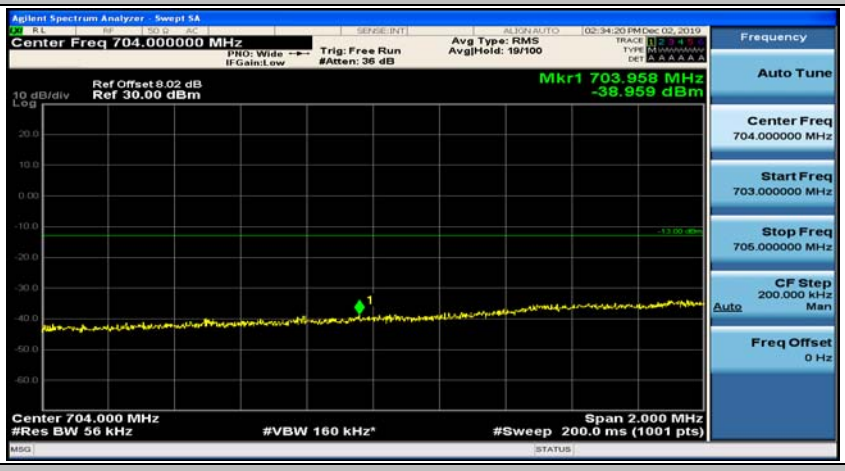


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

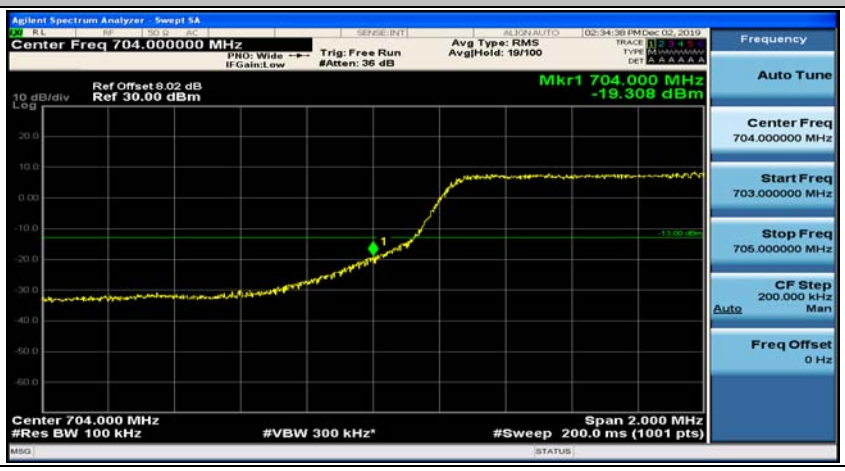
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

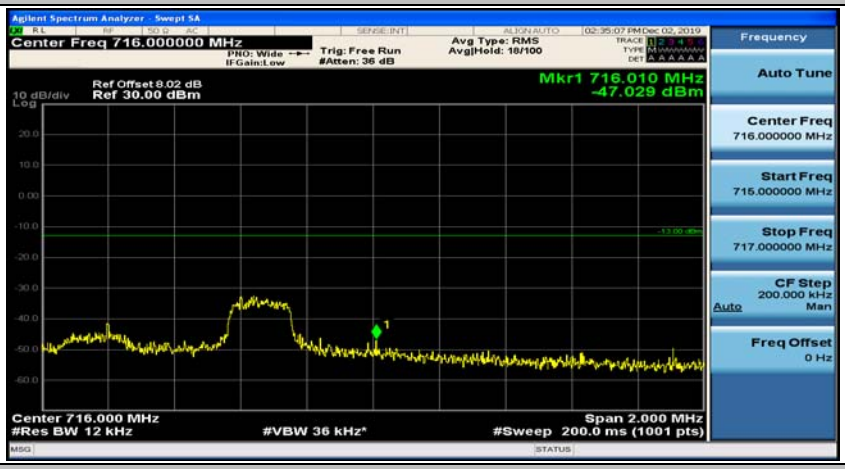
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



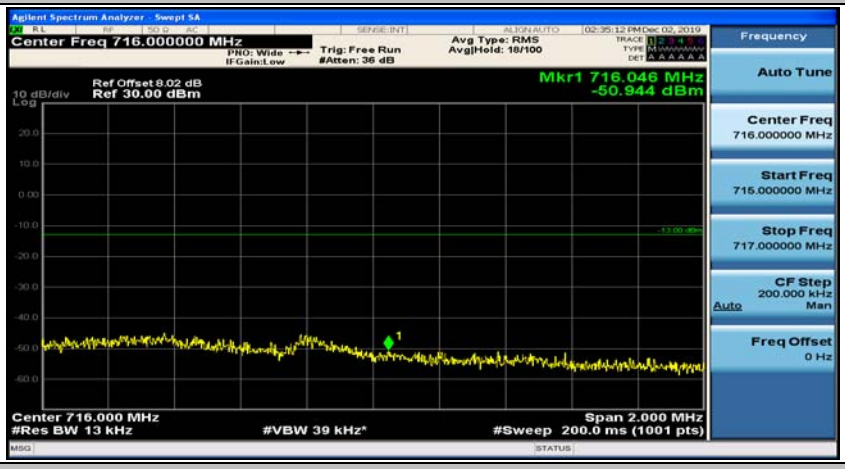
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

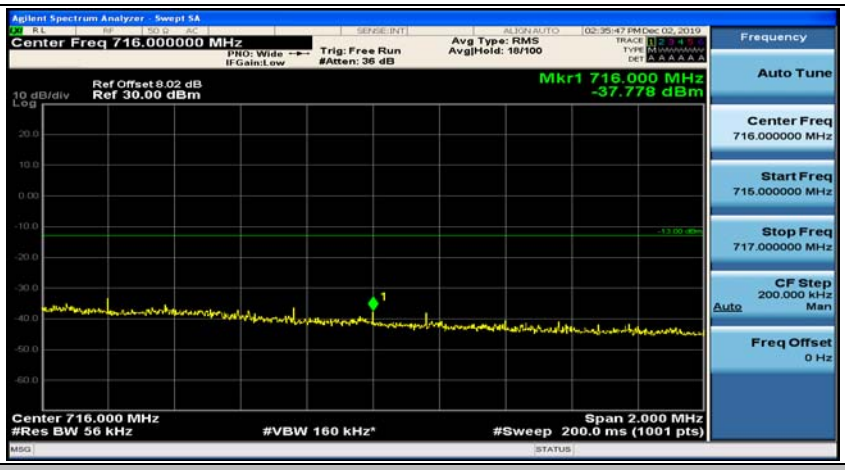


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

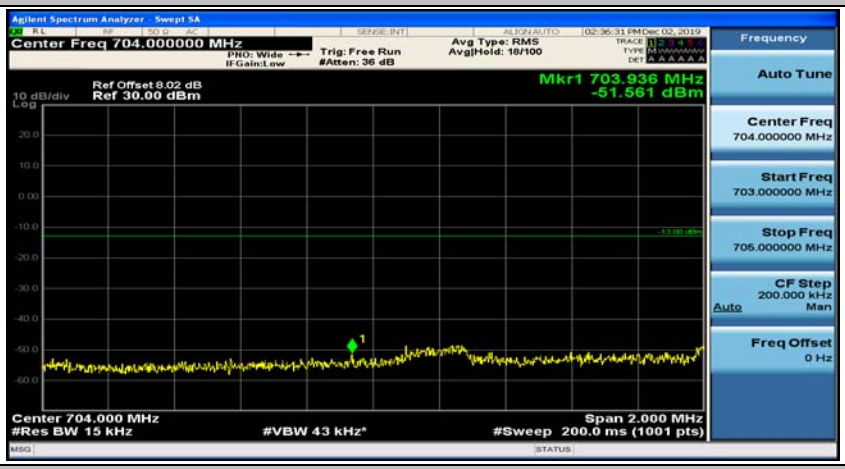


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

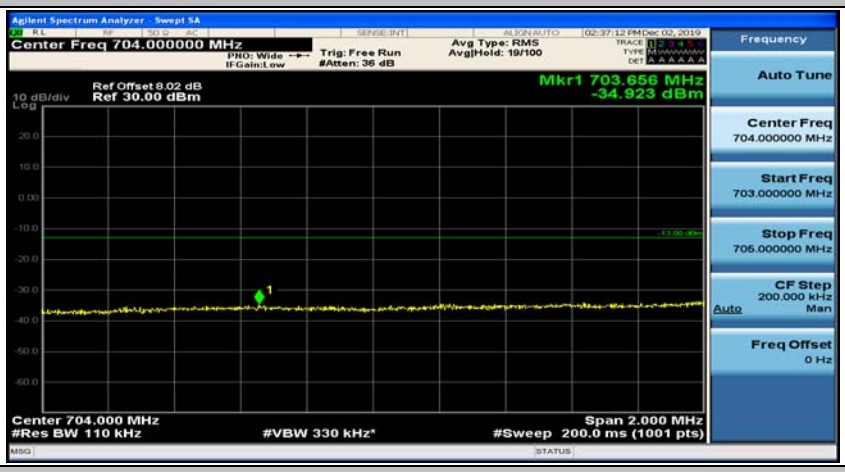
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

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