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	23.7	PASS
		1	12	23.61	PASS
		1	24	23.1	PASS
		12	0	22.42	PASS
		12	6	22.37	PASS
		12	13	22.29	PASS
		25	0	22.32	PASS
	MCH	1	0	23.14	PASS
		1	12	23.33	PASS
		1	24	22.97	PASS
		12	0	22.15	PASS
		12	6	22.15	PASS
		12	13	22.07	PASS
		25	0	22.17	PASS
	HCH	1	0	23.02	PASS
		1	12	23.24	PASS
		1	24	22.85	PASS
		12	0	22.05	PASS
		12	6	22.03	PASS
		12	13	21.87	PASS
		25	0	21.96	PASS
16QAM	LCH	1	0	22.63	PASS
		1	12	22.88	PASS
		1	24	22.39	PASS
		12	0	21.54	PASS
		12	6	21.51	PASS
		12	13	21.35	PASS
		25	0	21.44	PASS
	MCH	1	0	22.37	PASS
		1	12	22.54	PASS
		1	24	22.18	PASS
		12	0	21.31	PASS

		12	6	21.37	PASS
		12	13	21.26	PASS
		25	0	21.22	PASS
	HCH	1	0	22.14	PASS
		1	12	22.49	PASS
		1	24	21.99	PASS
		12	0	21.1	PASS
		12	6	21.14	PASS
		12	13	20.93	PASS
		25	0	21.02	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.71	PASS
		1	24	23.26	PASS
		1	49	22.86	PASS
		25	0	22.76	PASS
		25	12	22.24	PASS
		25	25	22.2	PASS
		50	0	22.69	PASS
	MCH	1	0	23.29	PASS
		1	24	23.26	PASS
		1	49	22.46	PASS
		25	0	22.36	PASS
		25	12	22.16	PASS
		25	25	22.1	PASS
		50	0	22.19	PASS
	HCH	1	0	23.23	PASS
		1	24	23.23	PASS
		1	49	22.86	PASS
		25	0	22.24	PASS
		25	12	22.12	PASS
		25	25	21.99	PASS
		50	0	22.1	PASS
16QAM	LCH	1	0	22.63	PASS
		1	24	22.59	PASS
		1	49	22.16	PASS
		25	0	21.54	PASS
		25	12	21.29	PASS
		25	25	21.22	PASS
		50	0	21.37	PASS

	MCH	1	0	22.73	PASS
		1	24	22.67	PASS
		1	49	22.27	PASS
		25	0	21.43	PASS
		25	12	21.24	PASS
		25	25	21.16	PASS
		50	0	21.27	PASS
	HCH	1	0	22.55	PASS
		1	24	22.5	PASS
		1	49	22.14	PASS
		25	0	21.29	PASS
		25	12	21.22	PASS
		25	25	21.03	PASS
		50	0	21.12	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	4.44	<13	PASS
		1	12	4.29	<13	PASS
		1	24	4.42	<13	PASS
		12	0	5.13	<13	PASS
		12	6	5.15	<13	PASS
		12	13	5.15	<13	PASS
		25	0	5.16	<13	PASS
	MCH	1	0	4.37	<13	PASS
		1	12	4.19	<13	PASS
		1	24	4.37	<13	PASS
		12	0	5.19	<13	PASS
		12	6	5.11	<13	PASS
		12	13	5.18	<13	PASS
		25	0	5.16	<13	PASS
	HCH	1	0	4.65	<13	PASS
		1	12	4.24	<13	PASS
		1	24	4.21	<13	PASS
		12	0	5.18	<13	PASS
		12	6	5.08	<13	PASS
		12	13	5.01	<13	PASS
		25	0	5.08	<13	PASS
16QAM	LCH	1	0	5.39	<13	PASS
		1	12	5.1	<13	PASS
		1	24	5.49	<13	PASS
		12	0	6	<13	PASS
		12	6	6	<13	PASS
		12	13	6.07	<13	PASS
		25	0	6.05	<13	PASS
	MCH	1	0	5.33	<13	PASS
		1	12	5.05	<13	PASS
		1	24	5.28	<13	PASS
		12	0	6.19	<13	PASS

		12	6	5.95	<13	PASS
		12	13	6.01	<13	PASS
		25	0	5.98	<13	PASS
	HCH	1	0	5.22	<13	PASS
		1	12	5.03	<13	PASS
		1	24	4.89	<13	PASS
		12	0	6.04	<13	PASS
		12	6	5.92	<13	PASS
		12	13	5.94	<13	PASS
		25	0	5.94	<13	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio	Limit	Verdict
		Size	Offset	[dB]	[dB]	
QPSK	LCH	1	0	4.36	<13	PASS
		1	24	4.34	<13	PASS
		1	49	4.33	<13	PASS
		25	0	5.13	<13	PASS
		25	12	5.13	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.24	<13	PASS
	MCH	1	0	4.28	<13	PASS
		1	24	4.14	<13	PASS
		1	49	4	<13	PASS
		25	0	5.12	<13	PASS
		25	12	5.1	<13	PASS
		25	25	5.04	<13	PASS
		50	0	5.24	<13	PASS
	HCH	1	0	4.35	<13	PASS
		1	24	4.16	<13	PASS
		1	49	3.92	<13	PASS
		25	0	5.09	<13	PASS
		25	12	5.04	<13	PASS
		25	25	5.03	<13	PASS
		50	0	5.18	<13	PASS
16QAM	LCH	1	0	5.25	<13	PASS
		1	24	5.19	<13	PASS
		1	49	5.18	<13	PASS
		25	0	6.01	<13	PASS
		25	12	6	<13	PASS

		25	25	5.97	<13	PASS
		50	0	6.05	<13	PASS
	MCH	1	0	5.26	<13	PASS
		1	24	5.06	<13	PASS
		1	49	4.95	<13	PASS
		25	0	6.01	<13	PASS
		25	12	6.03	<13	PASS
		25	25	5.99	<13	PASS
		50	0	6.06	<13	PASS
	HCH	1	0	5.34	<13	PASS
		1	24	5.16	<13	PASS
		1	49	5	<13	PASS
		25	0	6.08	<13	PASS
		25	12	6.05	<13	PASS
		25	25	5.98	<13	PASS
		50	0	6.04	<13	PASS

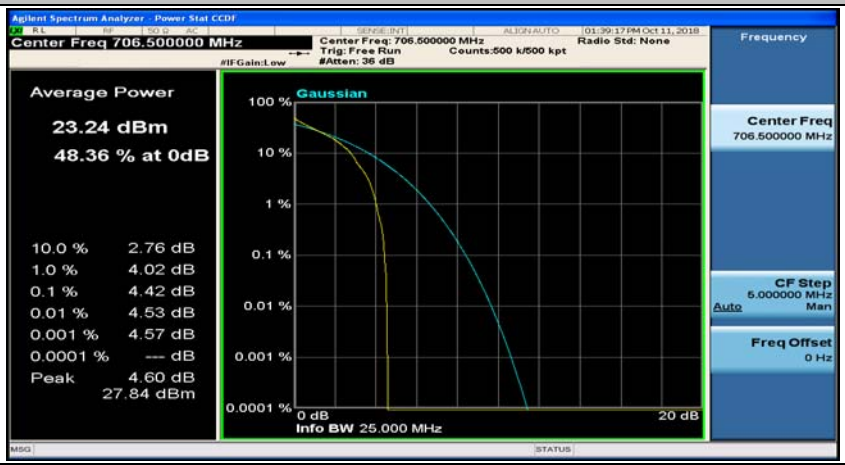
Test Graphs

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

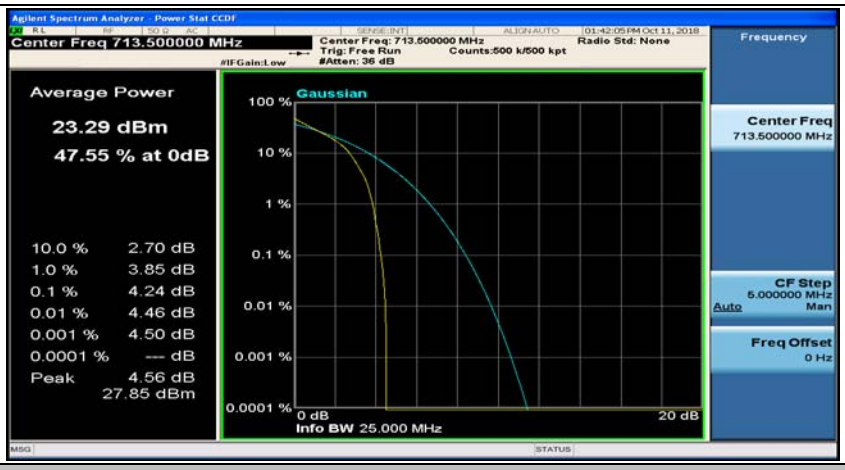
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(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

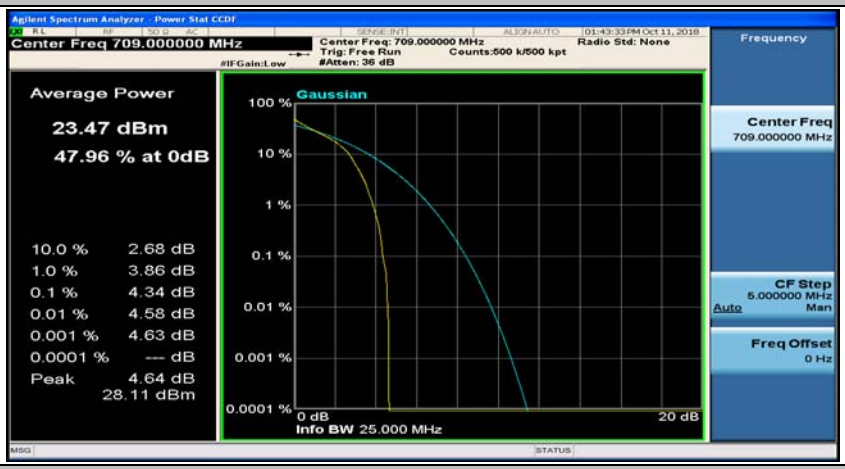
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(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

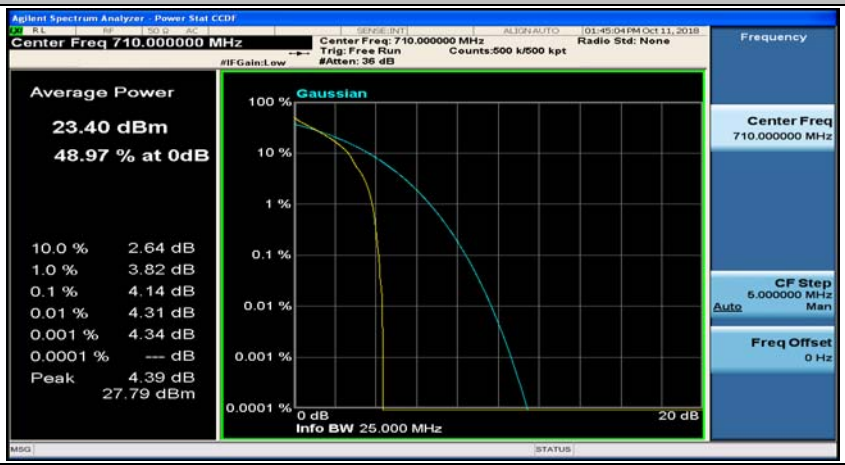
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

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

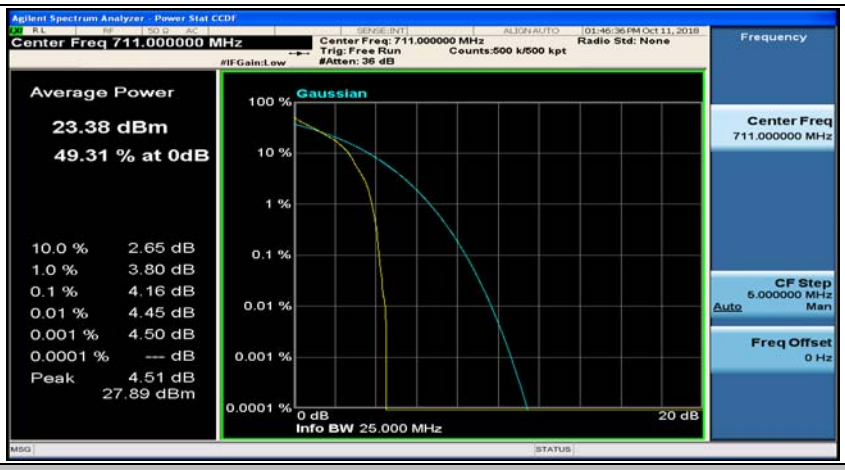
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

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

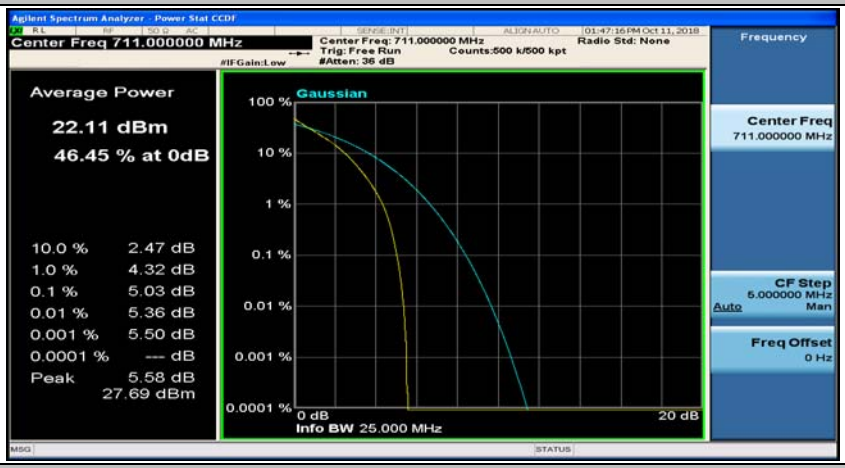


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

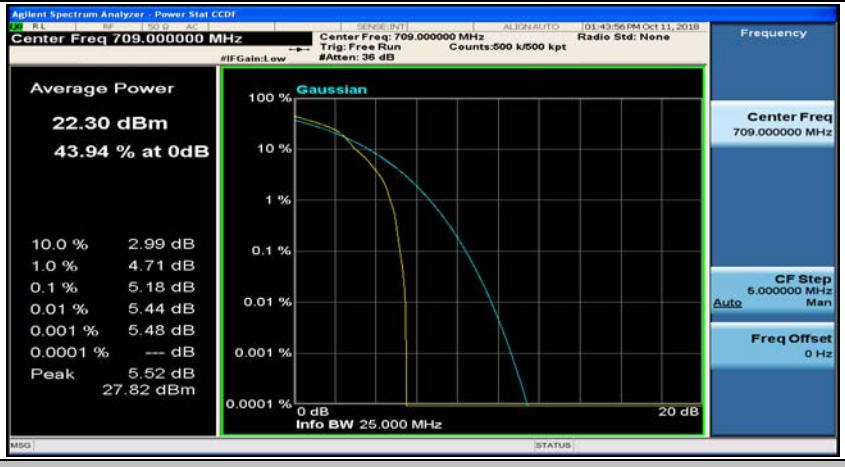
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



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	4.4787	4.916	PASS
	MCH	25	0	4.4730	4.879	PASS
	HCH	25	0	4.4764	4.808	PASS
16QAM	LCH	25	0	4.4900	4.838	PASS
	MCH	25	0	4.4732	4.793	PASS
	HCH	25	0	4.4696	4.816	PASS

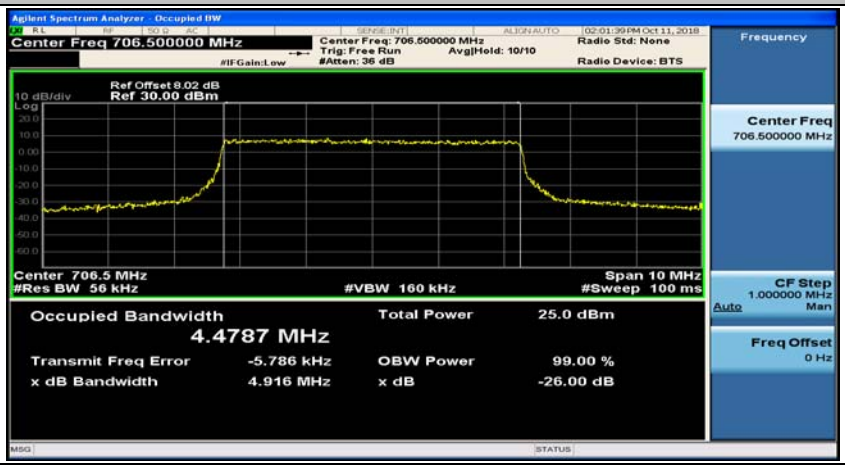
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9664	9.554	PASS
	MCH	50	0	8.9396	9.494	PASS
	HCH	50	0	8.9286	9.502	PASS
16QAM	LCH	50	0	8.9499	9.524	PASS
	MCH	50	0	8.9543	9.570	PASS
	HCH	50	0	8.9207	9.481	PASS

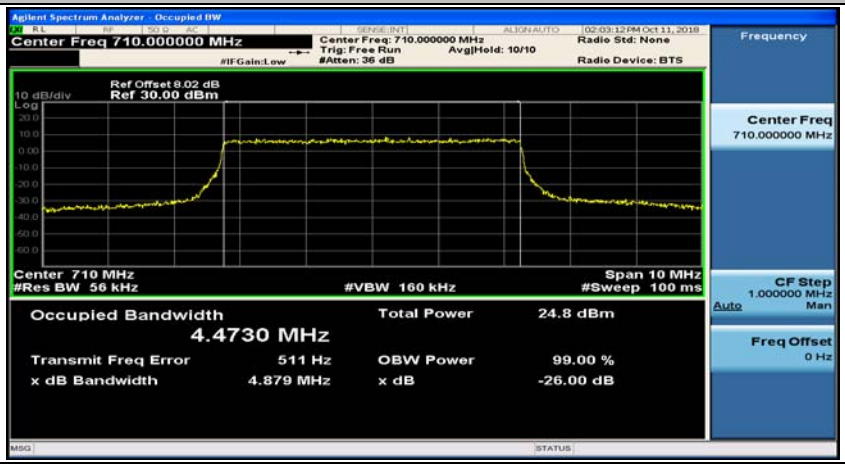
Test Graphs

Channel Bandwidth: 5 MHz

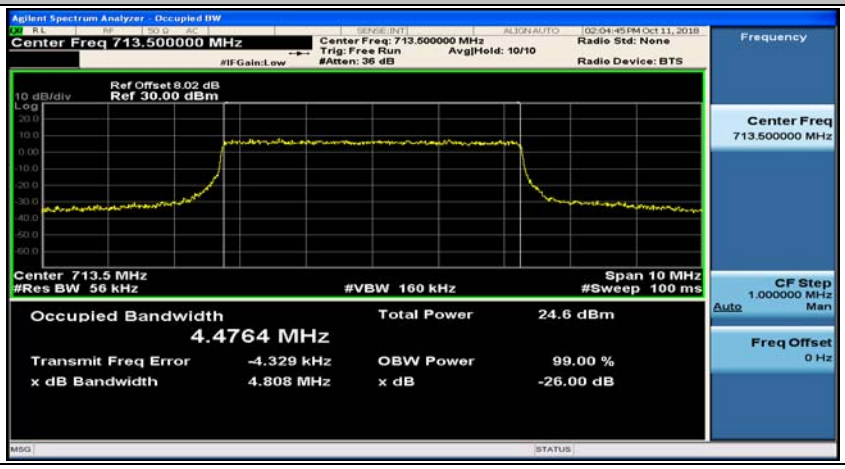
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



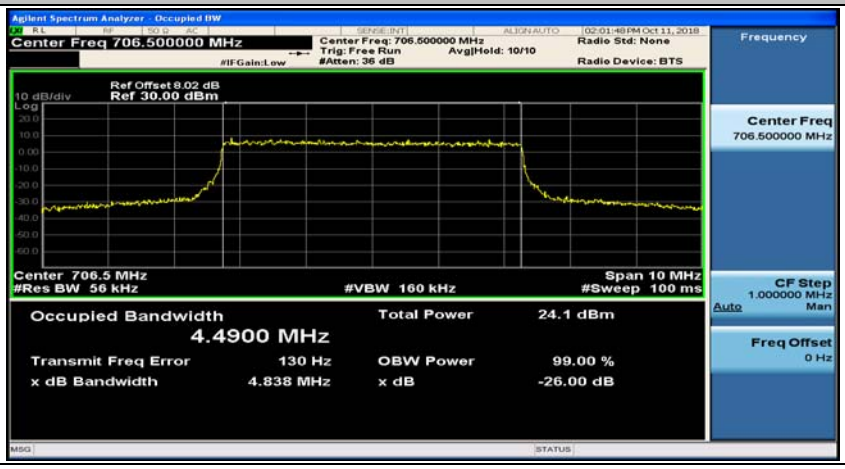
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



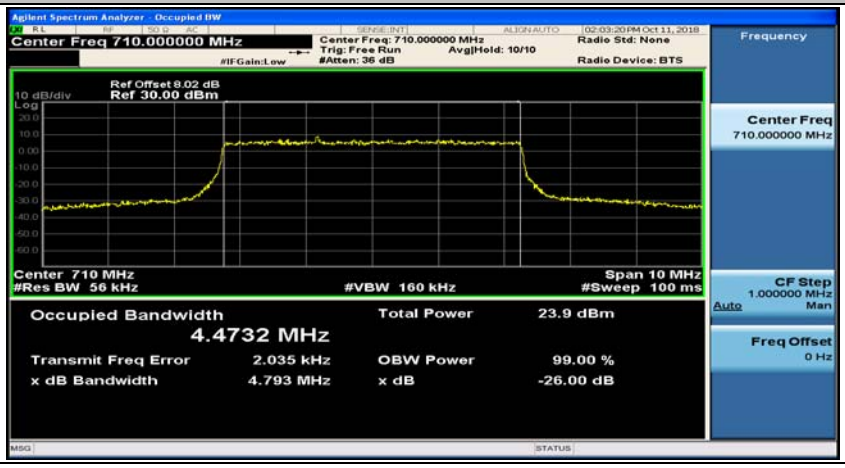
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



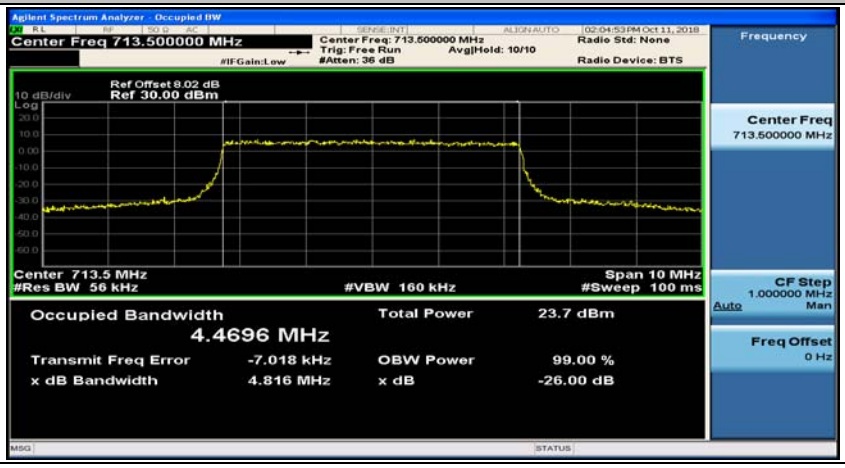
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



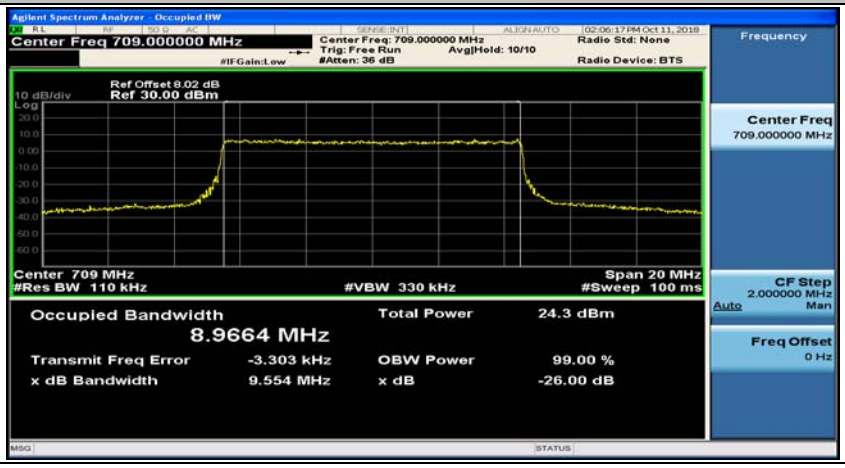
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

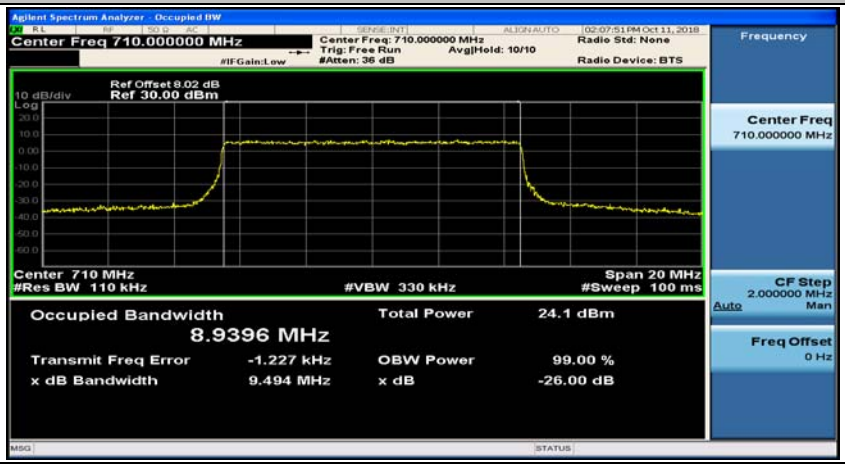


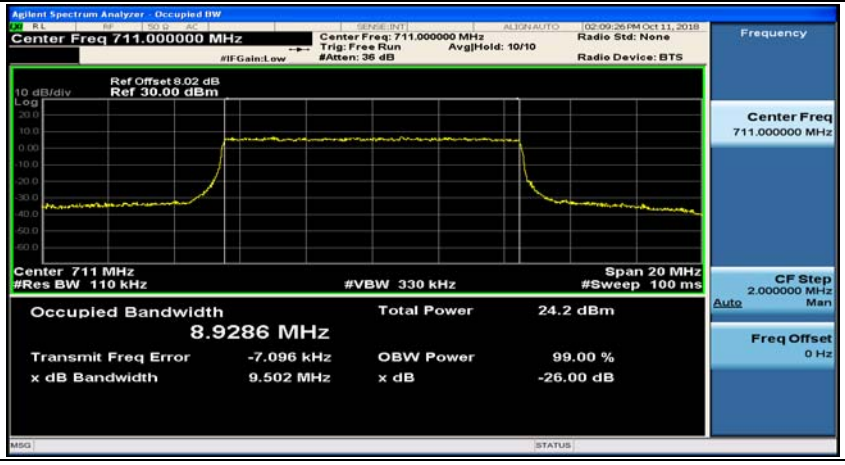
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

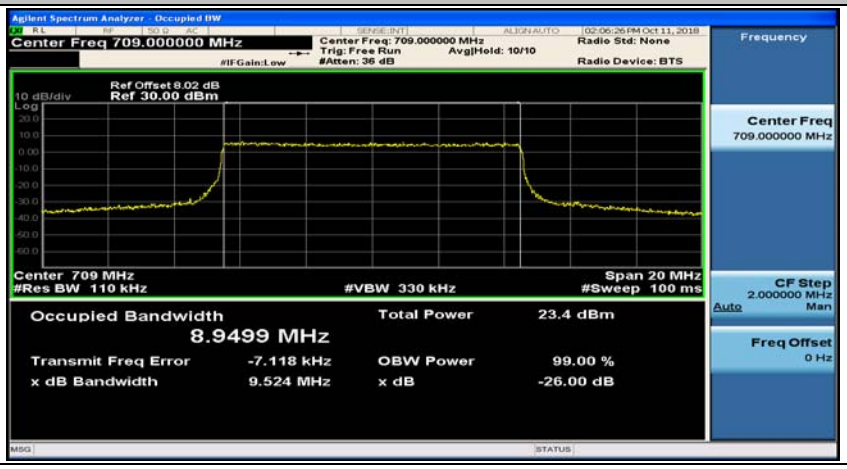


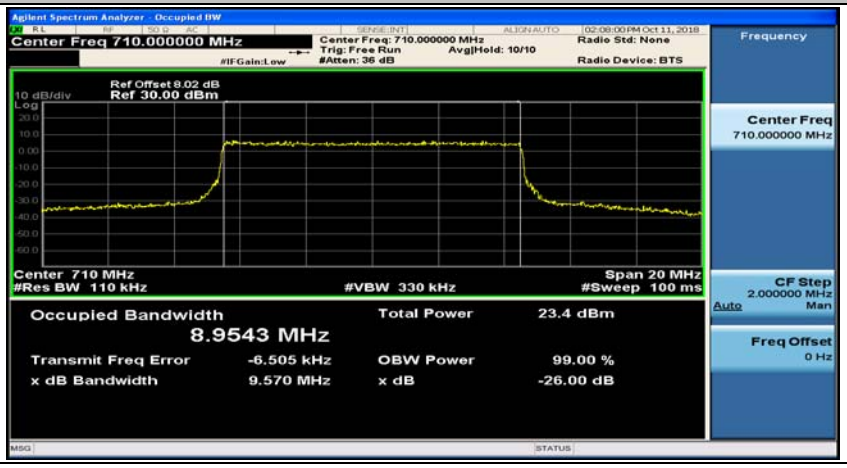
Channel Bandwidth: 10 MHz

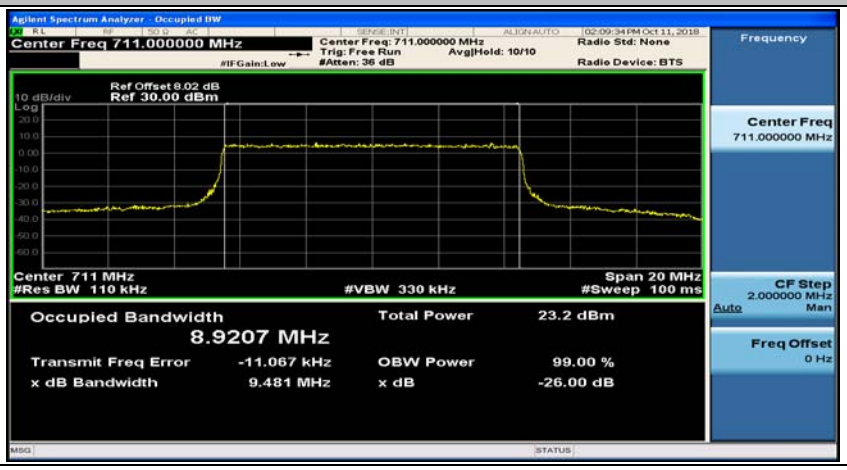
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0


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


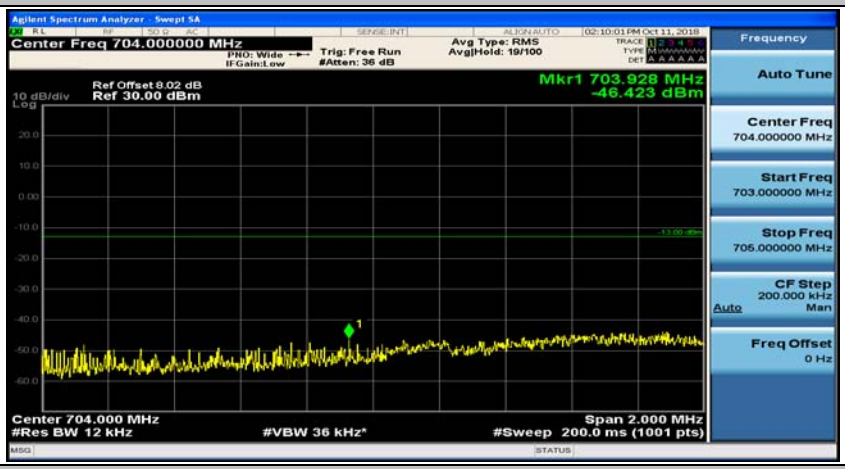
Appendix D: Band Edge

Test Graphs

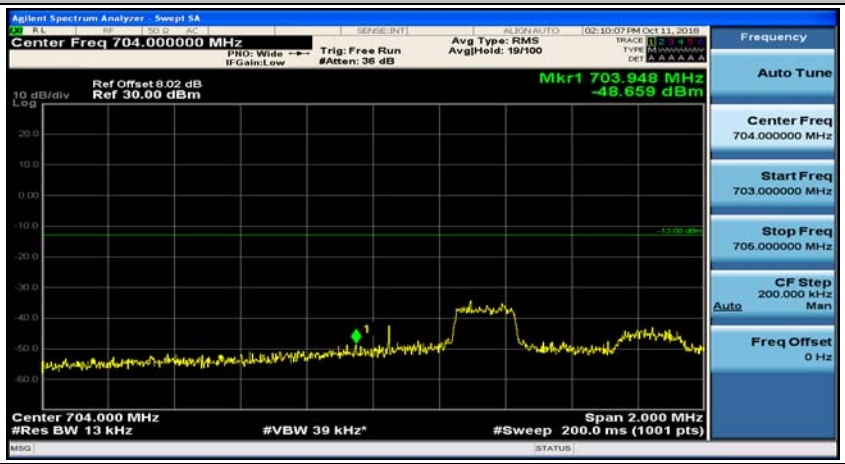
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

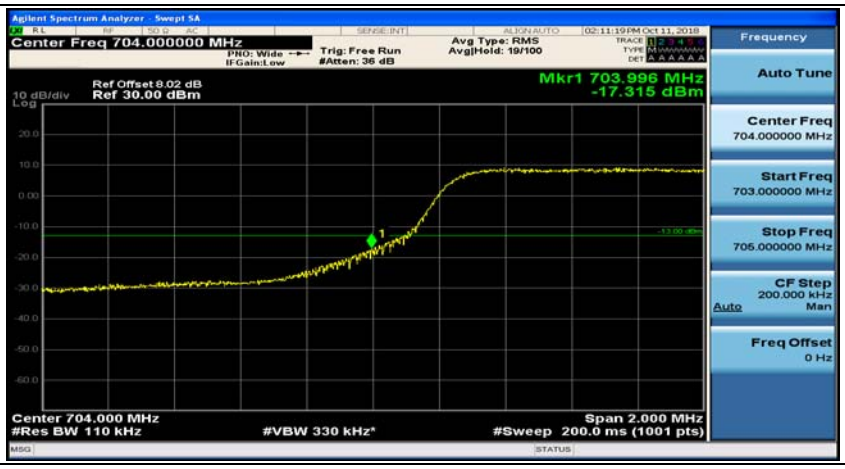


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

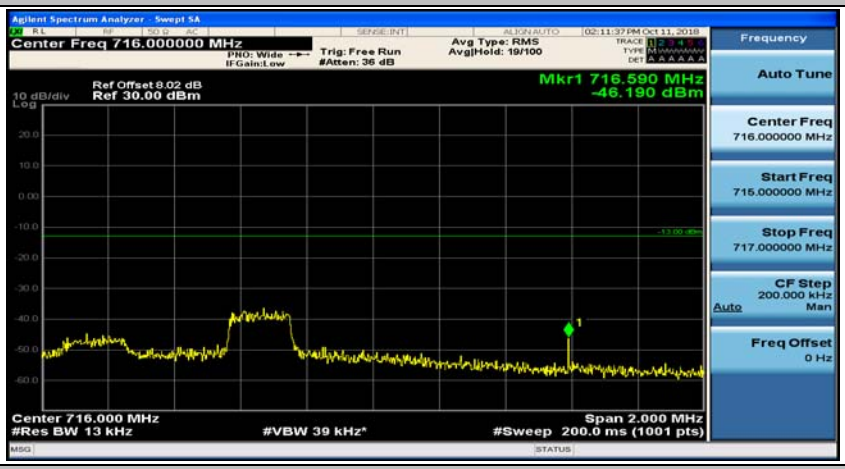
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

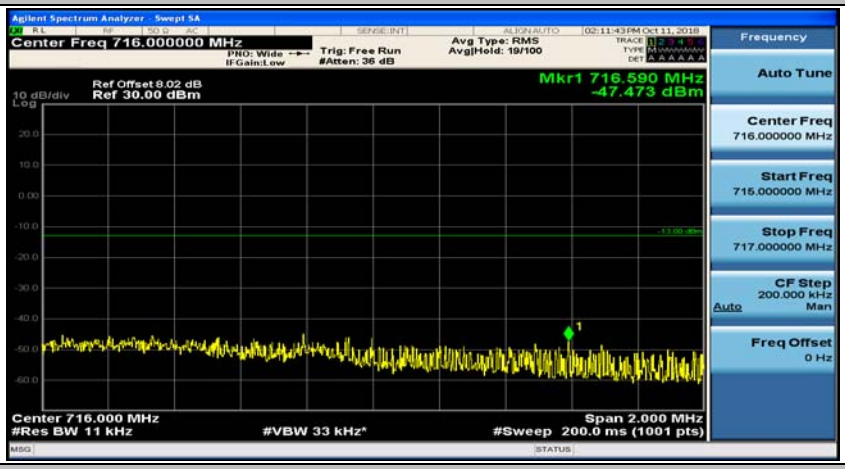
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

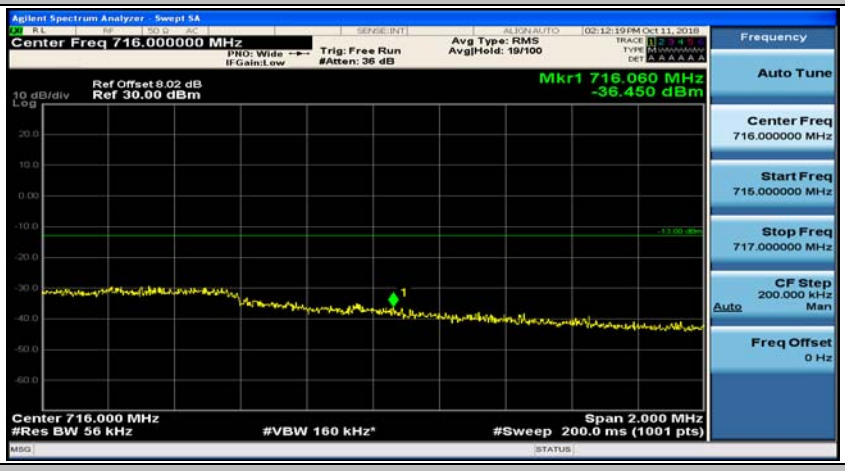


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

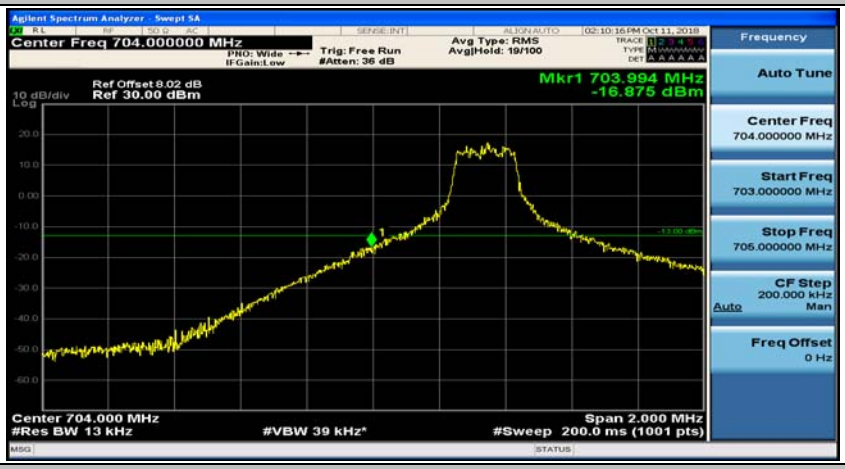


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

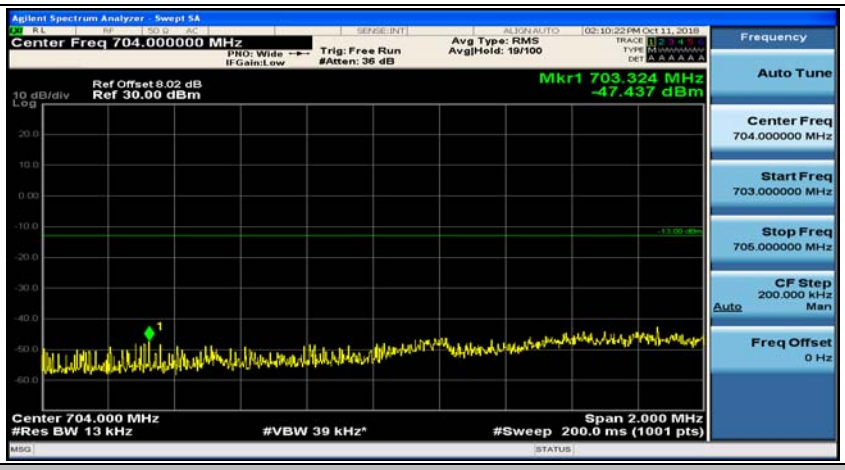
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

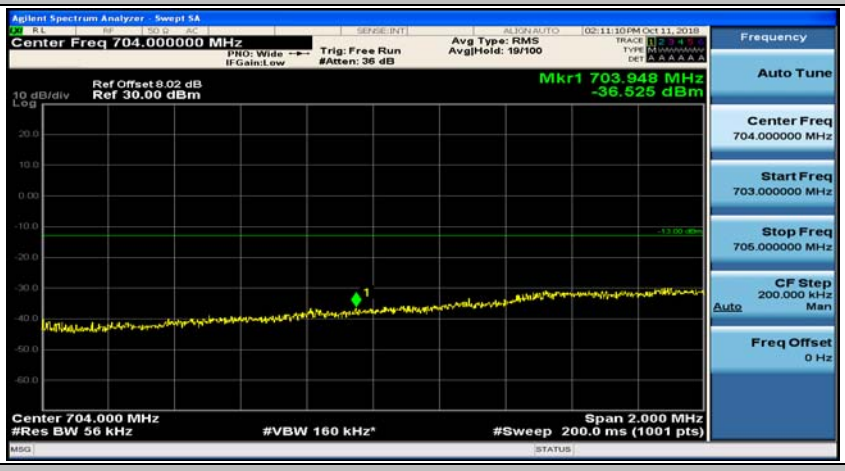


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

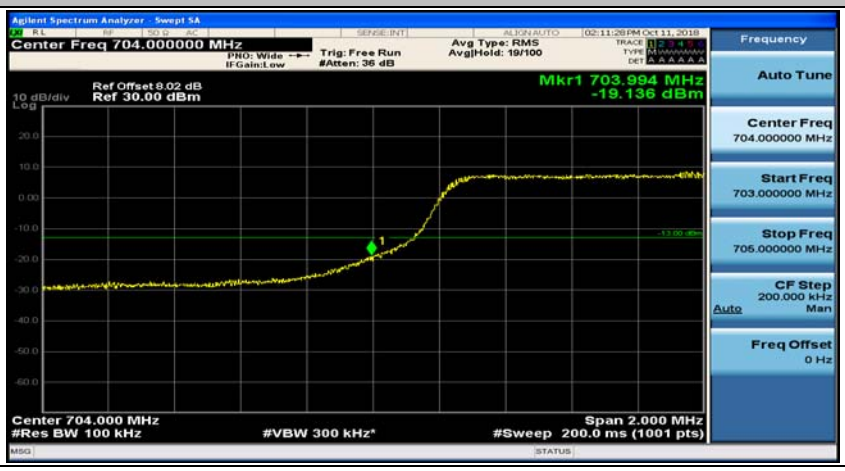
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

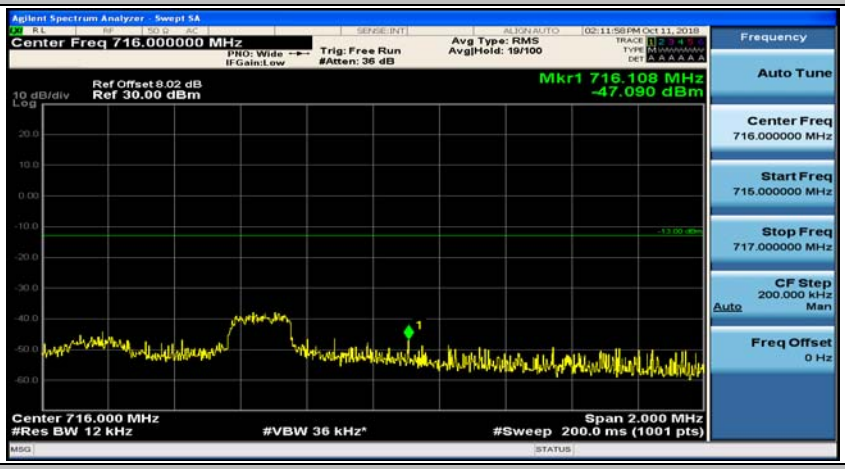
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



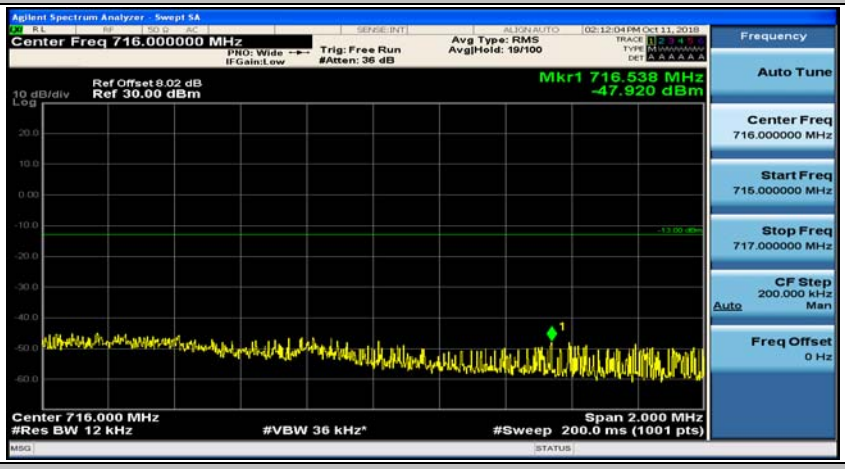
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



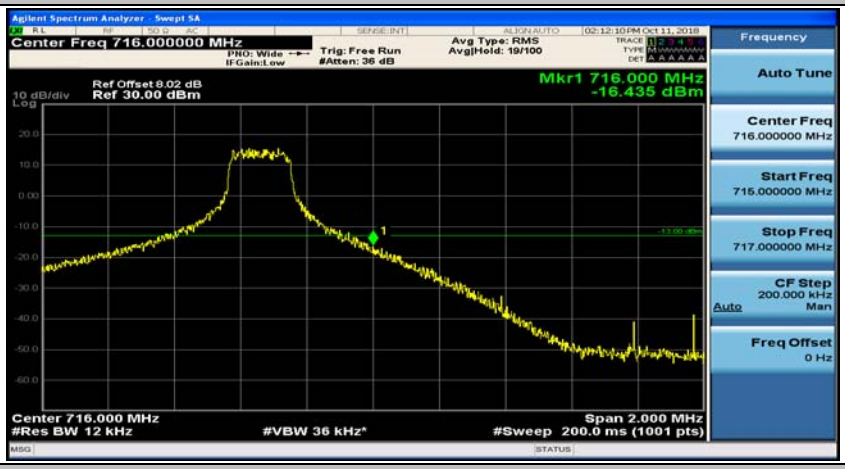
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

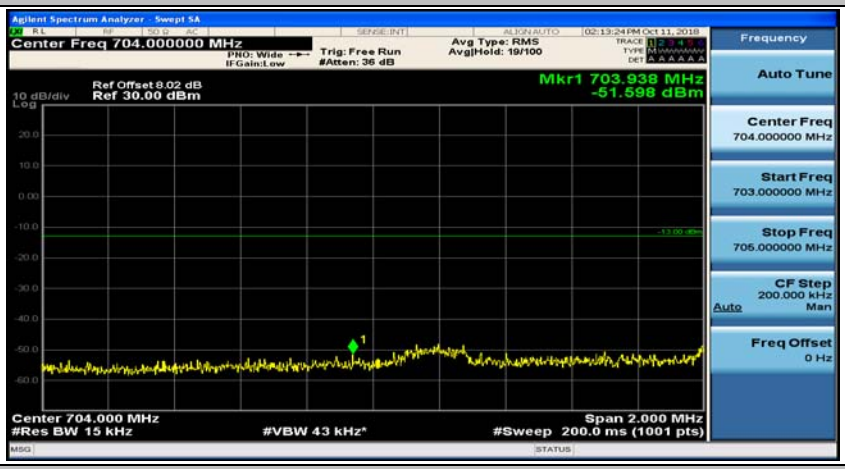
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

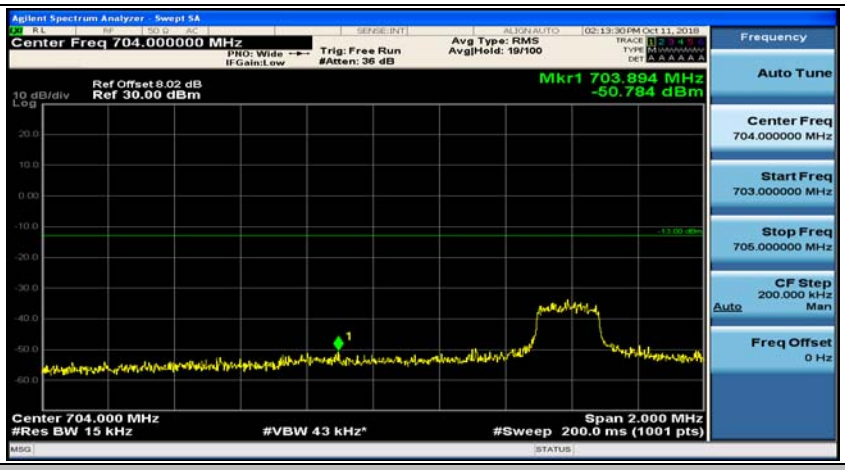
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

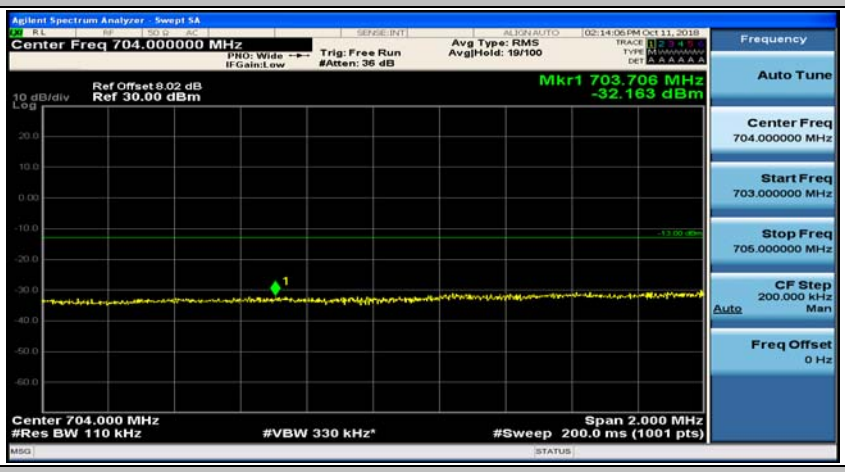
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

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