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	22.56	PASS
		1	12	23.29	PASS
		1	24	22.50	PASS
		12	0	21.55	PASS
		12	6	21.70	PASS
		12	13	21.73	PASS
		25	0	21.65	PASS
	MCH	1	0	22.56	PASS
		1	12	23.24	PASS
		1	24	22.53	PASS
		12	0	21.53	PASS
		12	6	21.81	PASS
		12	13	21.69	PASS
		25	0	22.03	PASS
	HCH	1	0	23.04	PASS
		1	12	23.34	PASS
		1	24	22.63	PASS
		12	0	22.12	PASS
		12	6	22.19	PASS
		12	13	22.14	PASS
		25	0	22.17	PASS
16QAM	LCH	1	0	21.84	PASS
		1	12	22.19	PASS
		1	24	21.82	PASS
		12	0	20.56	PASS
		12	6	20.71	PASS
		12	13	20.72	PASS
		25	0	20.68	PASS
	MCH	1	0	21.82	PASS
		1	12	22.16	PASS
		1	24	21.76	PASS
		12	0	21.01	PASS

		12	6	21.16	PASS
		12	13	21.08	PASS
		25	0	21.04	PASS
	HCH	1	0	21.82	PASS
		1	12	22.07	PASS
		1	24	21.75	PASS
		12	0	20.66	PASS
		12	6	20.84	PASS
		12	13	20.70	PASS
		25	0	20.75	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.57	PASS
		1	24	22.73	PASS
		1	49	22.54	PASS
		25	0	21.53	PASS
		25	12	21.67	PASS
		25	25	21.59	PASS
		50	0	21.99	PASS
	MCH	1	0	22.56	PASS
		1	24	22.72	PASS
		1	49	22.61	PASS
		25	0	21.53	PASS
		25	12	21.66	PASS
		25	25	21.57	PASS
		50	0	21.86	PASS
	HCH	1	0	22.80	PASS
		1	24	22.74	PASS
		1	49	22.66	PASS
		25	0	21.54	PASS
		25	12	21.68	PASS
		25	25	21.72	PASS
		50	0	21.87	PASS
16QAM	LCH	1	0	21.86	PASS
		1	24	22.03	PASS
		1	49	21.87	PASS
		25	0	20.64	PASS
		25	12	20.90	PASS
		25	25	21.05	PASS
		50	0	21.00	PASS

	MCH	1	0	22.00	PASS
		1	24	22.15	PASS
		1	49	21.96	PASS
		25	0	20.91	PASS
		25	12	21.11	PASS
		25	25	21.00	PASS
		50	0	20.82	PASS
	HCH	1	0	21.89	PASS
		1	24	22.04	PASS
		1	49	21.88	PASS
		25	0	20.85	PASS
		25	12	21.10	PASS
		25	25	20.97	PASS
		50	0	20.85	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	5.29	<13	PASS
		1	12	5.07	<13	PASS
		1	24	5.22	<13	PASS
		12	0	5.48	<13	PASS
		12	6	5.48	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.58	<13	PASS
	MCH	1	0	5.06	<13	PASS
		1	12	4.99	<13	PASS
		1	24	5.24	<13	PASS
		12	0	5.52	<13	PASS
		12	6	5.44	<13	PASS
		12	13	5.63	<13	PASS
		25	0	5.54	<13	PASS
	HCH	1	0	5.45	<13	PASS
		1	12	5.31	<13	PASS
		1	24	5.63	<13	PASS
		12	0	5.75	<13	PASS
		12	6	5.72	<13	PASS
		12	13	5.71	<13	PASS
		25	0	5.63	<13	PASS
16QAM	LCH	1	0	6.43	<13	PASS
		1	12	6.21	<13	PASS
		1	24	6.3	<13	PASS
		12	0	6.31	<13	PASS
		12	6	6.3	<13	PASS
		12	13	6.33	<13	PASS
		25	0	6.34	<13	PASS
	MCH	1	0	6.29	<13	PASS
		1	12	5.94	<13	PASS
		1	24	6.19	<13	PASS
		12	0	6.34	<13	PASS
		12	6	6.32	<13	PASS

		12	13	6.48	<13	PASS
		25	0	6.32	<13	PASS
	HCH	1	0	6.4	<13	PASS
		1	12	6.3	<13	PASS
		1	24	6.2	<13	PASS
		12	0	6.6	<13	PASS
		12	6	6.52	<13	PASS
		12	13	6.43	<13	PASS
		25	0	6.3	<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	5.32	<13	PASS
		1	24	5.12	<13	PASS
		1	49	5.51	<13	PASS
		25	0	5.6	<13	PASS
		25	12	5.66	<13	PASS
		25	25	5.6	<13	PASS
		50	0	5.47	<13	PASS
	MCH	1	0	4.89	<13	PASS
		1	24	4.89	<13	PASS
		1	49	5.09	<13	PASS
		25	0	5.57	<13	PASS
		25	12	5.56	<13	PASS
		25	25	5.59	<13	PASS
		50	0	5.51	<13	PASS
	HCH	1	0	5.02	<13	PASS
		1	24	5.19	<13	PASS
		1	49	5.29	<13	PASS
		25	0	5.43	<13	PASS
		25	12	5.46	<13	PASS
		25	25	5.51	<13	PASS
		50	0	5.41	<13	PASS
16QAM	LCH	1	0	6.29	<13	PASS
		1	24	6.1	<13	PASS
		1	49	6.43	<13	PASS
		25	0	6.3	<13	PASS
		25	12	6.36	<13	PASS
		25	25	6.4	<13	PASS

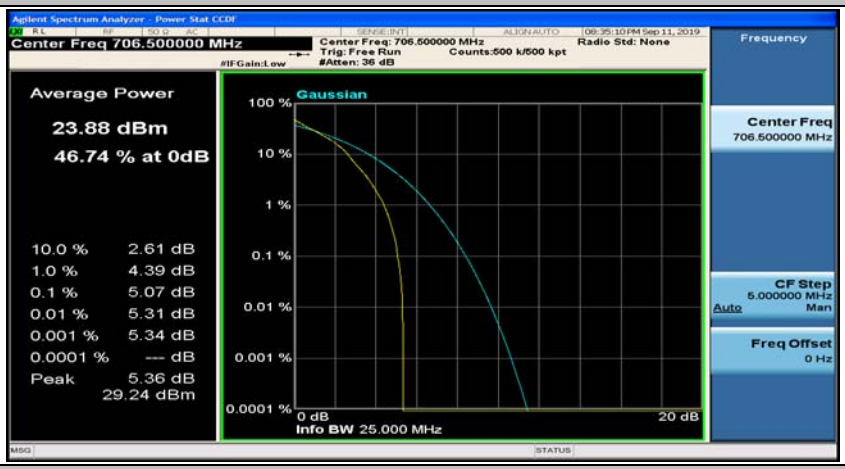
		50	0	6.28	<13	PASS
	MCH	1	0	5.92	<13	PASS
		1	24	5.79	<13	PASS
		1	49	5.81	<13	PASS
		25	0	6.33	<13	PASS
		25	12	6.41	<13	PASS
		25	25	6.44	<13	PASS
		50	0	6.33	<13	PASS
	HCH	1	0	6.1	<13	PASS
		1	24	6.2	<13	PASS
		1	49	6.02	<13	PASS
		25	0	6.34	<13	PASS
		25	12	6.45	<13	PASS
		25	25	6.45	<13	PASS
		50	0	6.31	<13	PASS

Test Graphs

Channel Bandwidth: 5 MHz

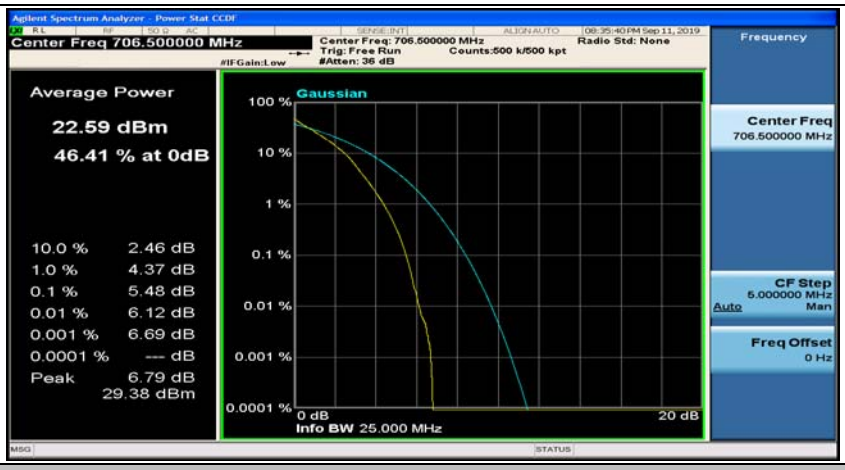
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

(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

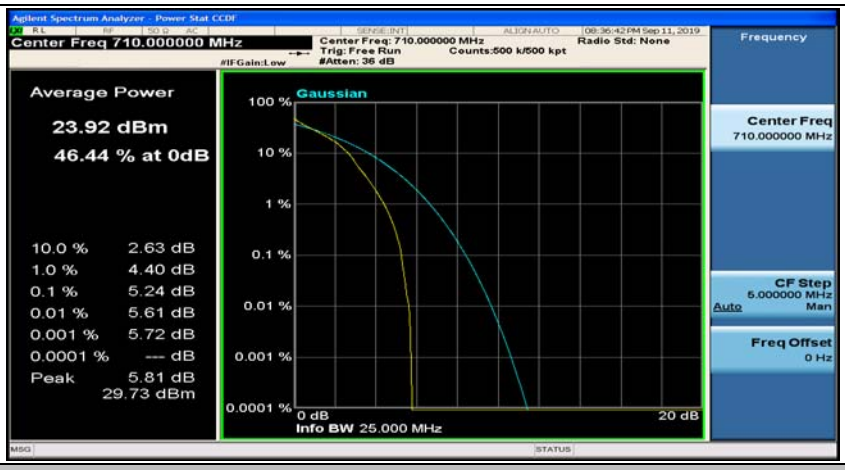
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

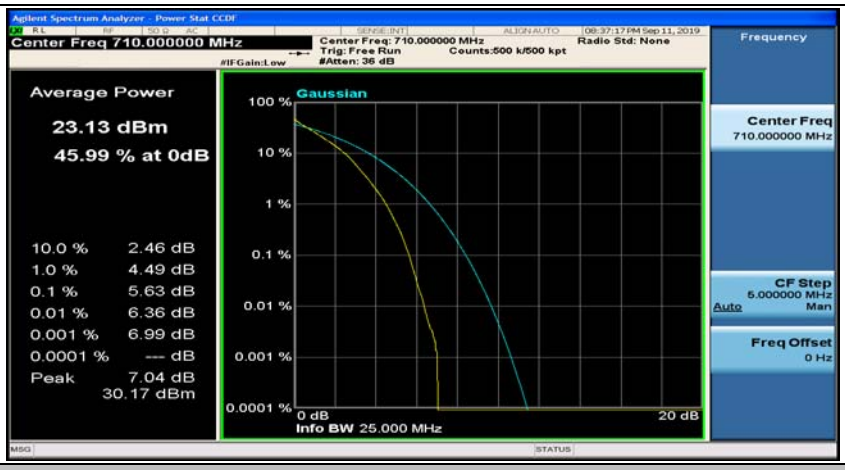
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

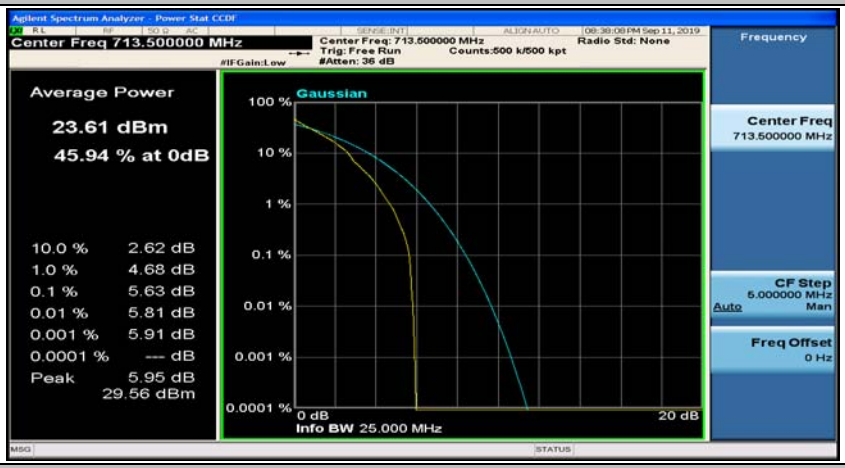


(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

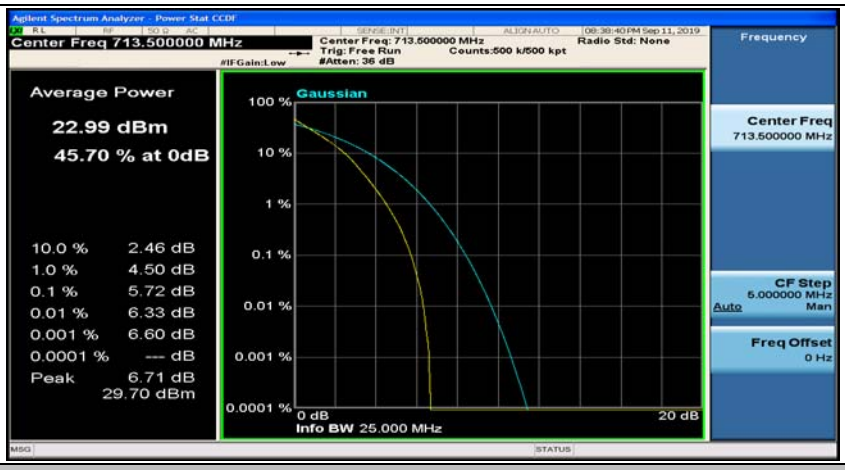
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

(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

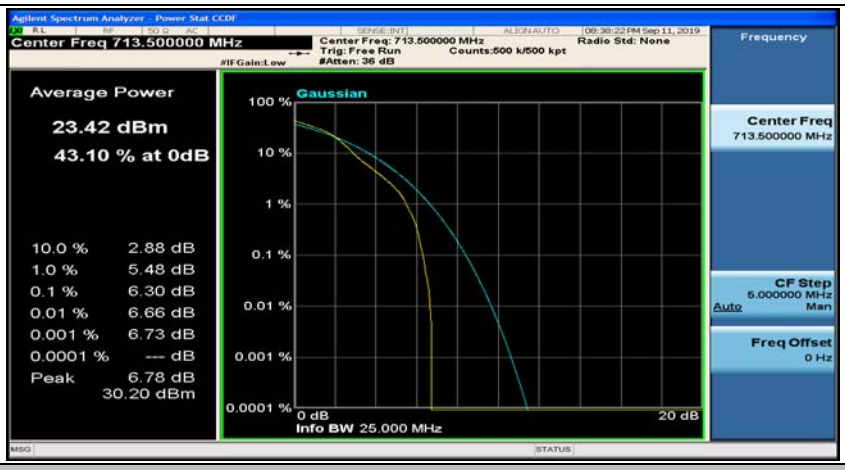
(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6

(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

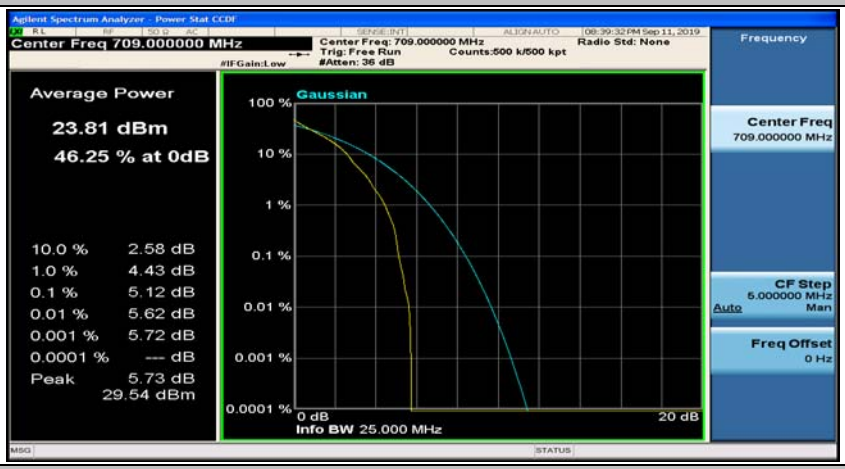
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

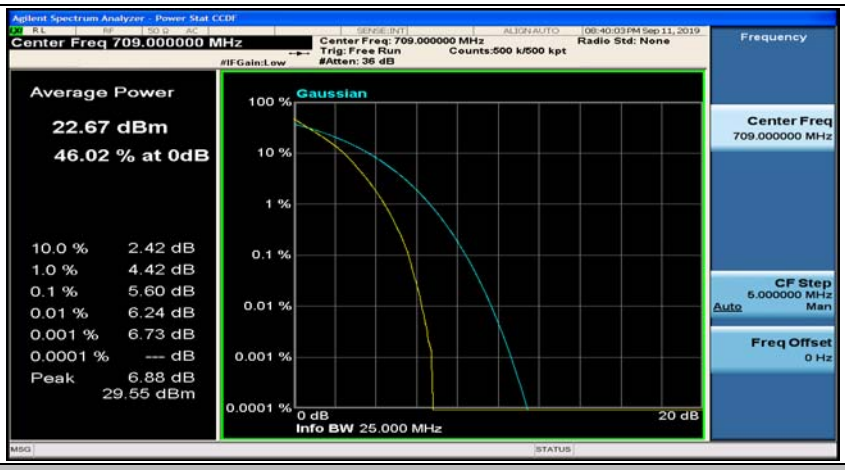
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

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

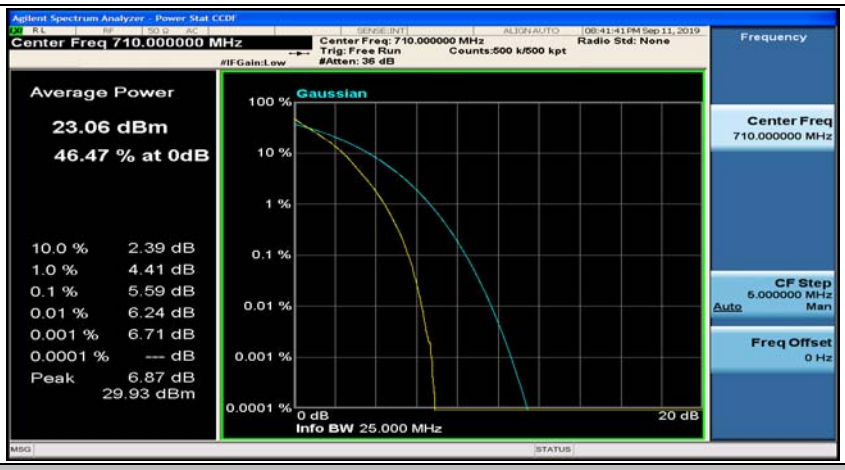
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12

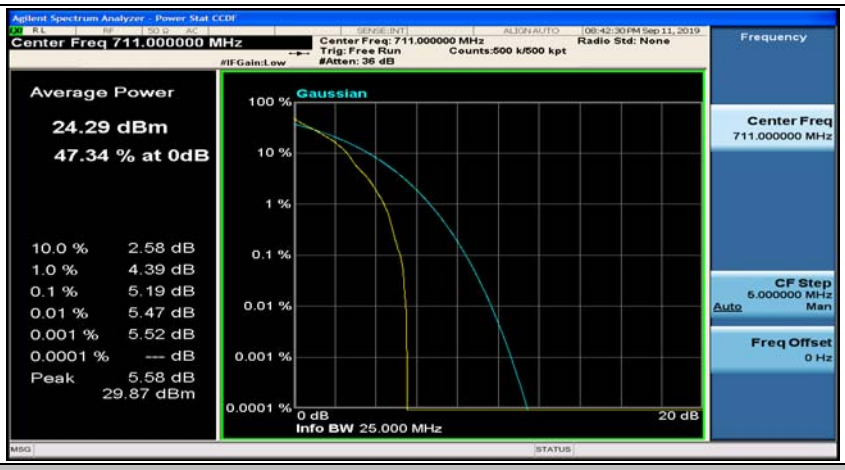
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25



Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

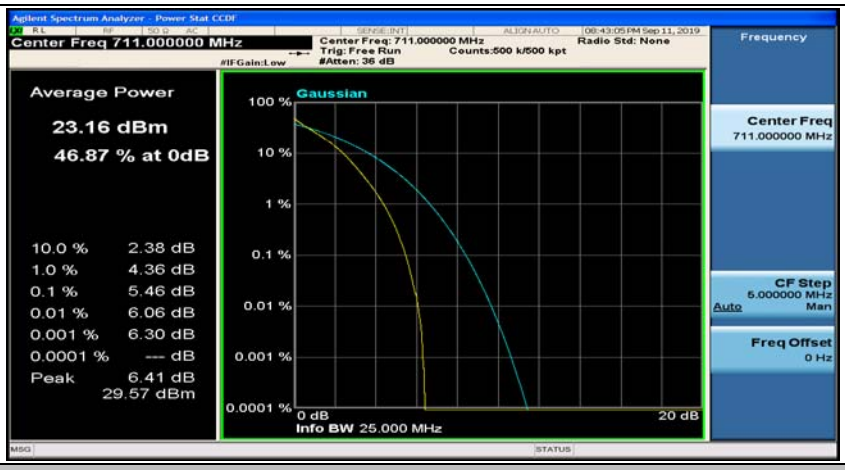
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12

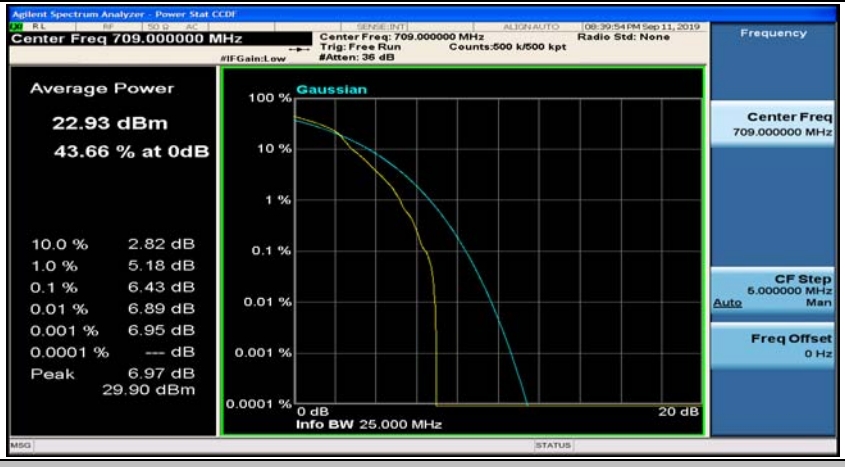


Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

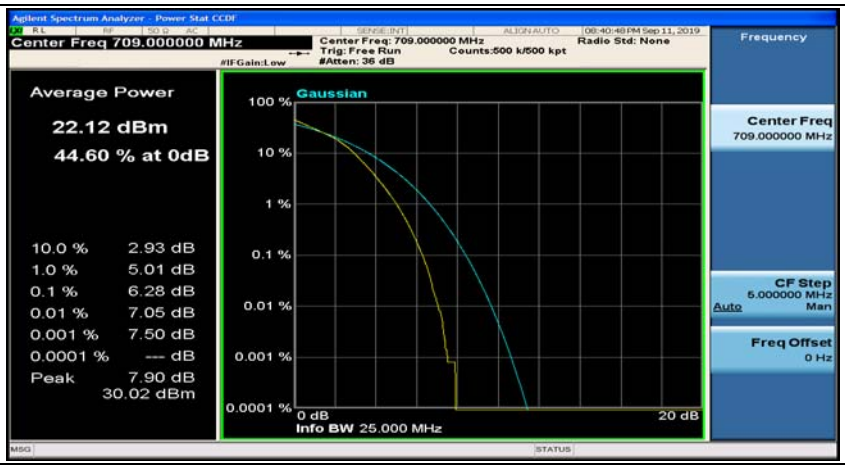
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

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

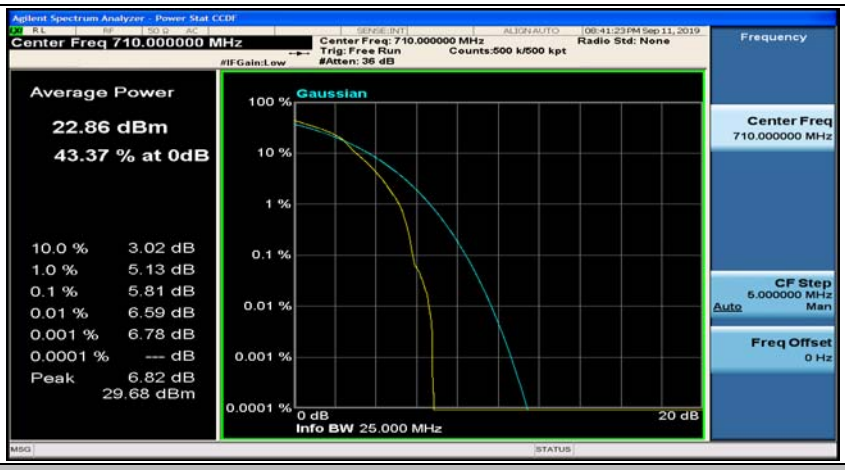
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



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

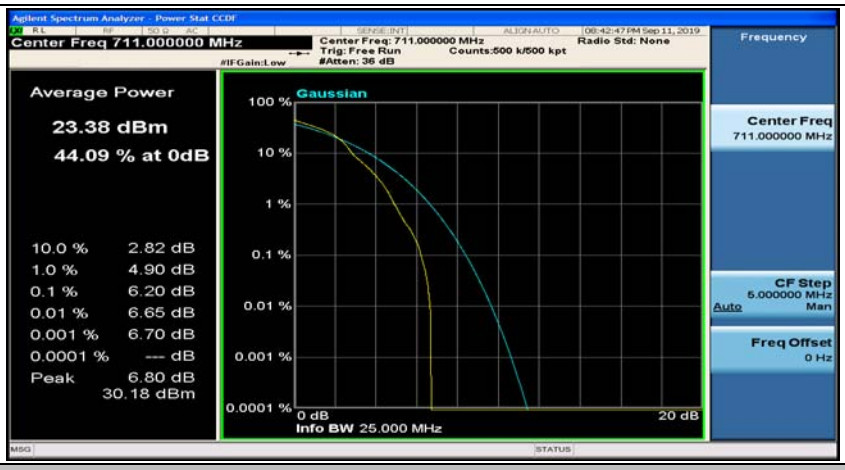
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12

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	4.4806	4.865	PASS
	MCH	25	0	4.4768	4.863	PASS
	HCH	25	0	4.4687	4.840	PASS
16QAM	LCH	25	0	4.4794	4.818	PASS
	MCH	25	0	4.4680	4.793	PASS
	HCH	25	0	4.4807	4.816	PASS

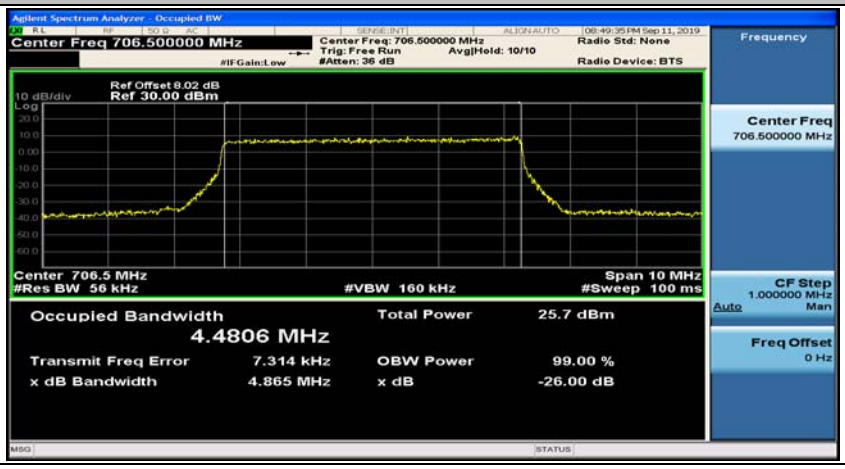
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9409	9.530	PASS
	MCH	50	0	8.9134	9.457	PASS
	HCH	50	0	8.9250	9.446	PASS
16QAM	LCH	50	0	8.9233	9.414	PASS
	MCH	50	0	8.9314	9.454	PASS
	HCH	50	0	8.9091	9.407	PASS

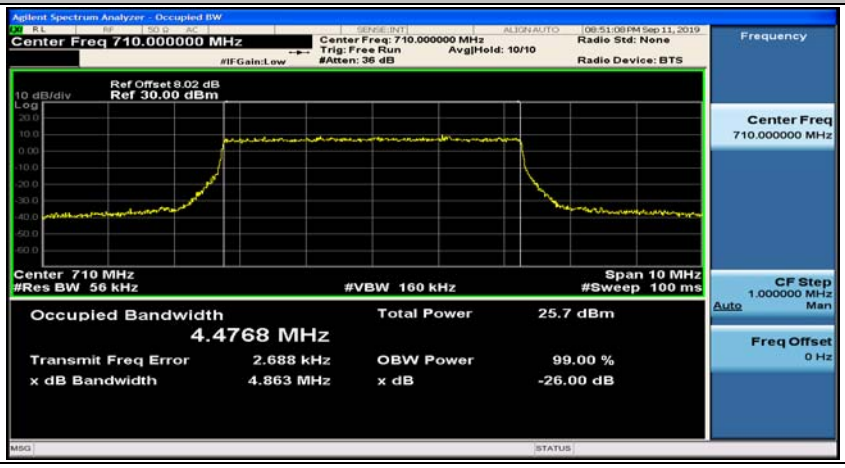
Test Graphs

Channel Bandwidth: 5 MHz

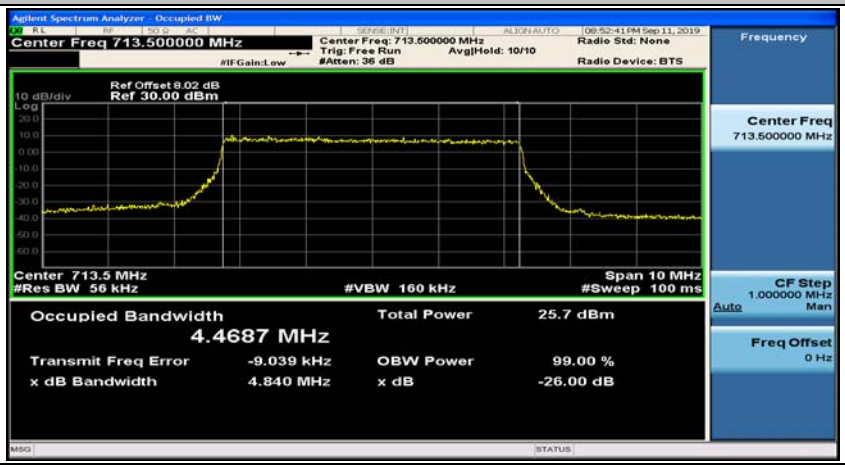
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



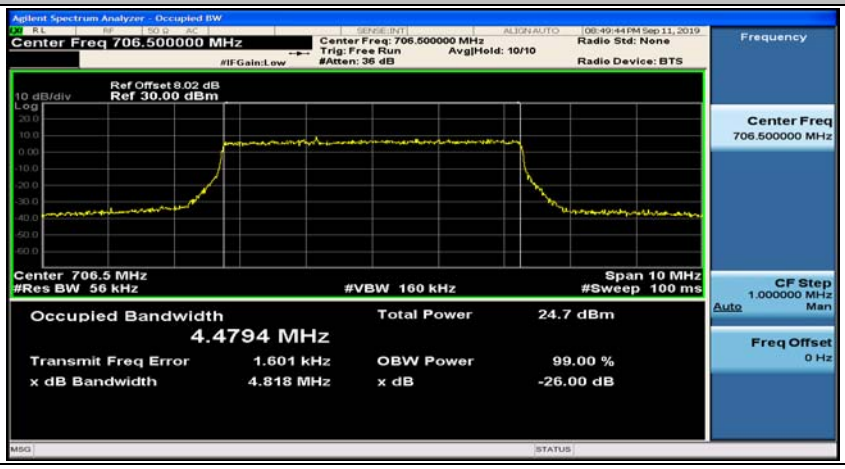
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



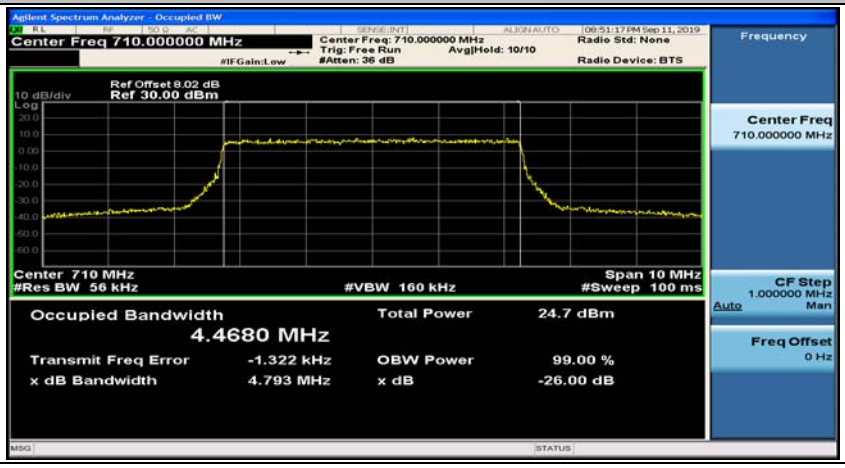
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



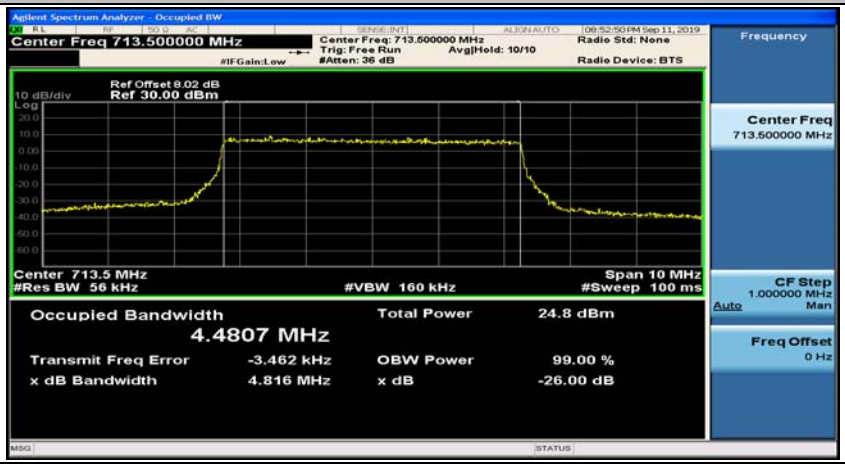
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



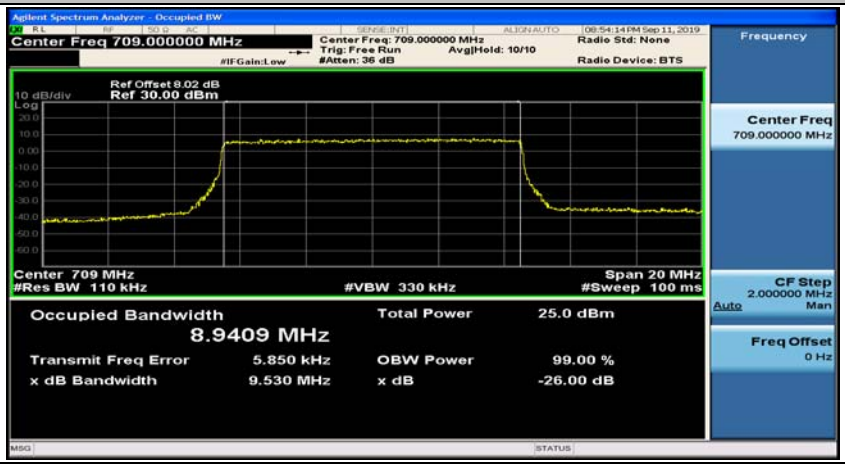
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

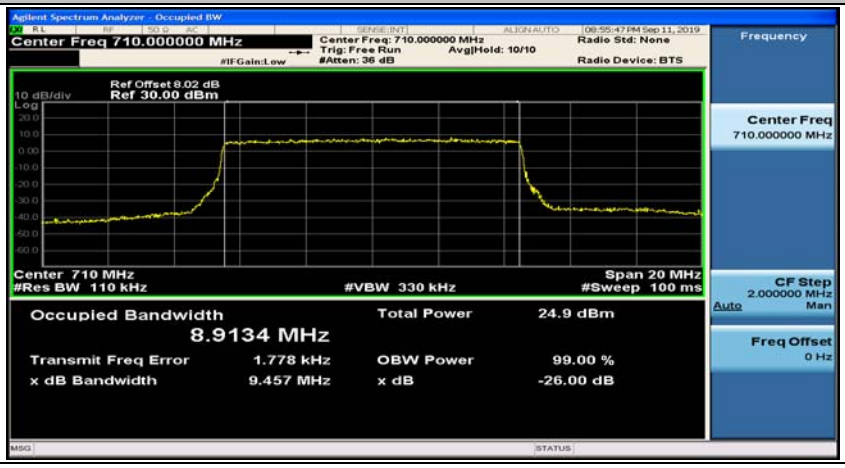


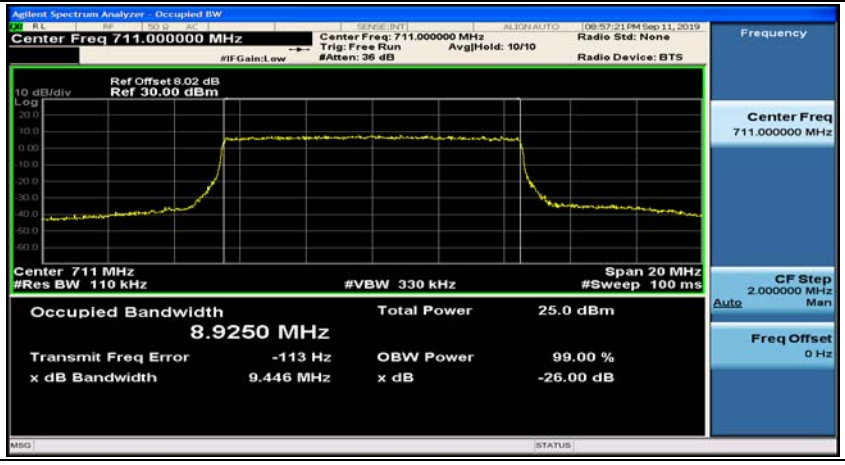
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

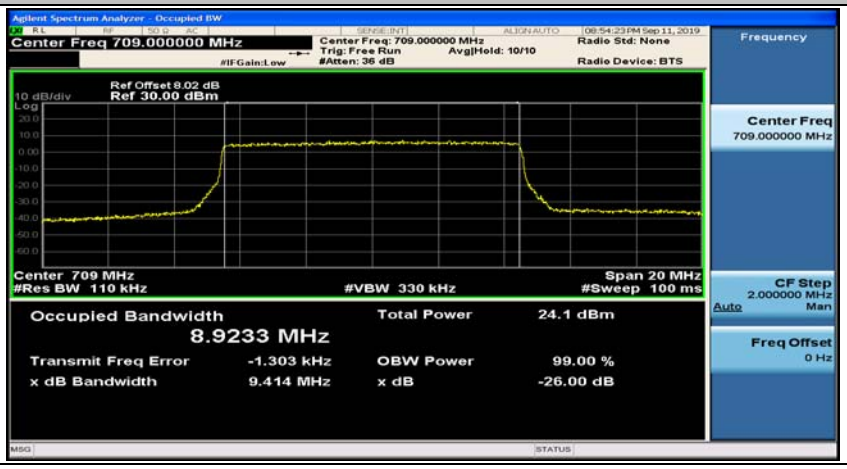


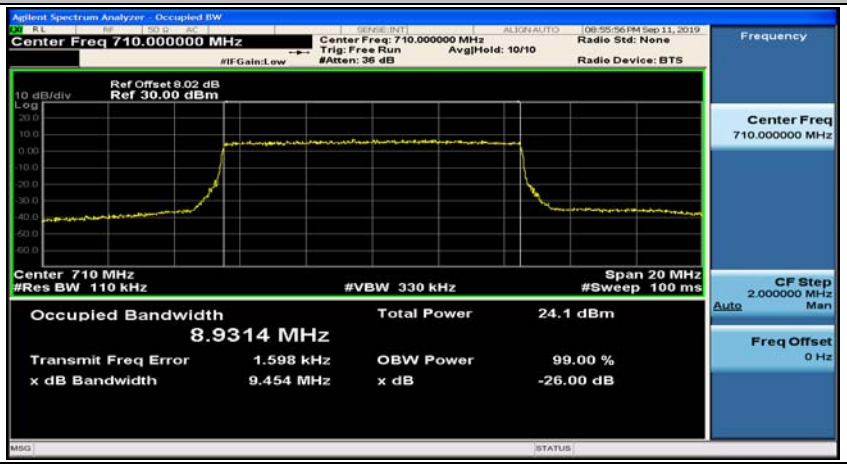
Channel Bandwidth: 10 MHz

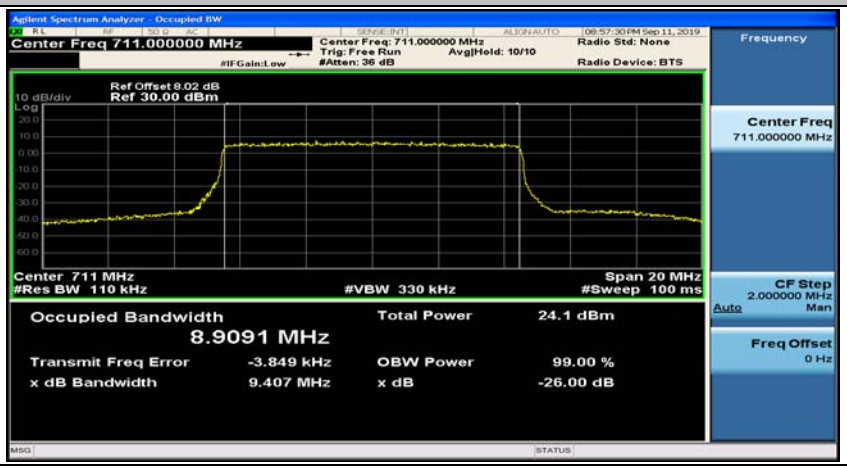
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0


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


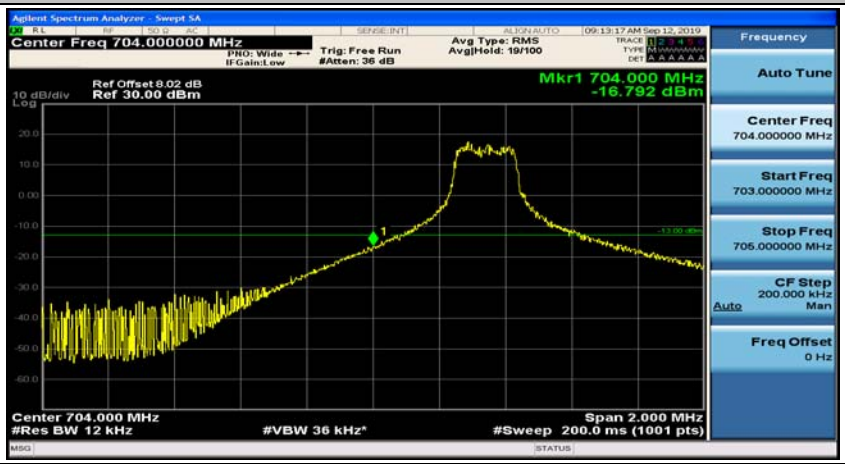
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0


Appendix D: Band Edge

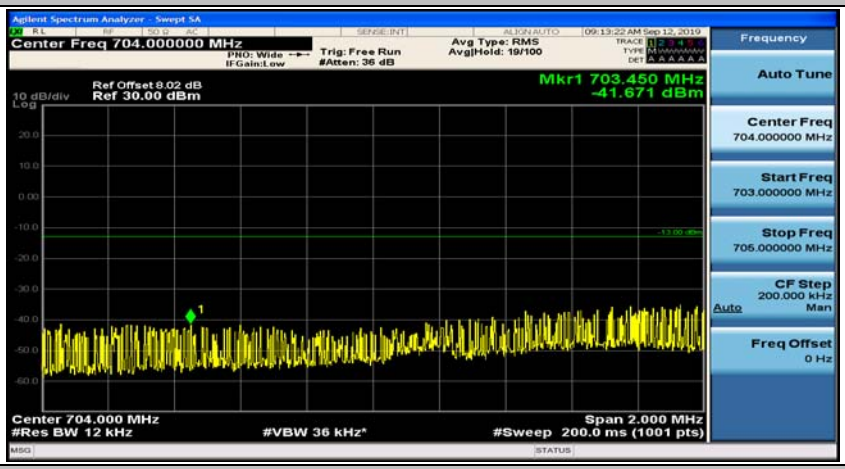
Test Graphs

Channel Bandwidth: 5 MHz

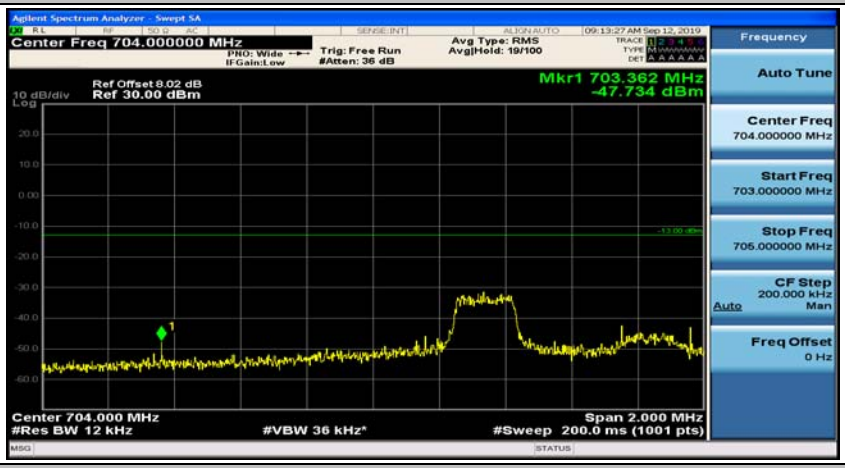
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

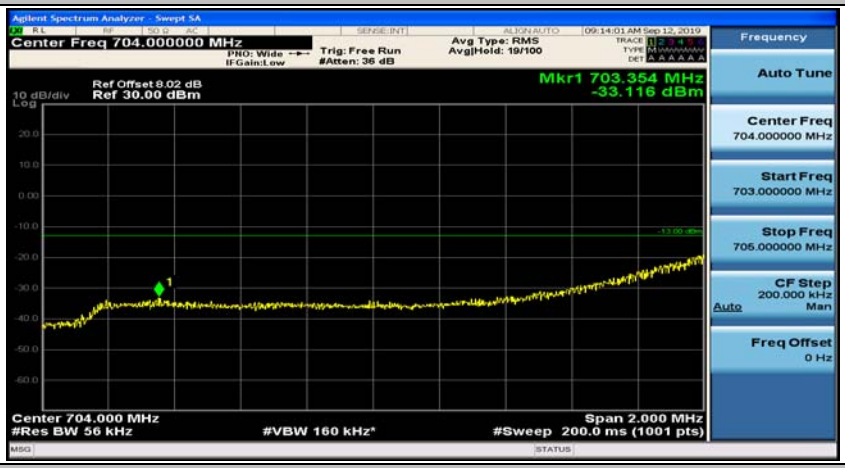


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

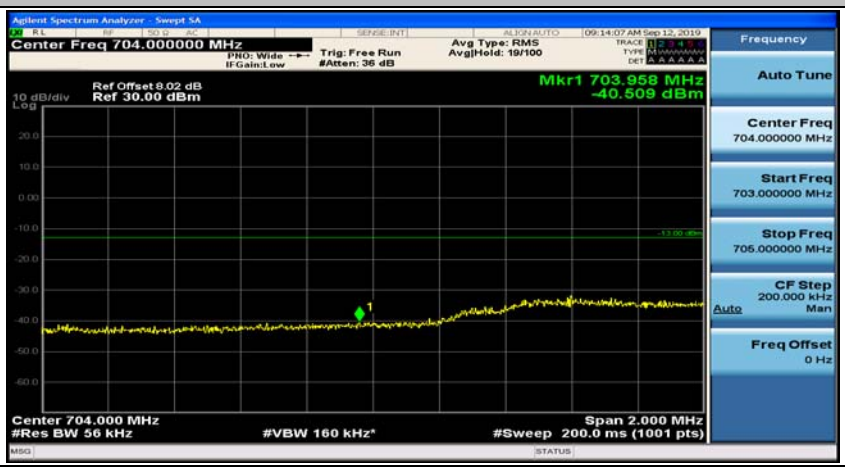


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

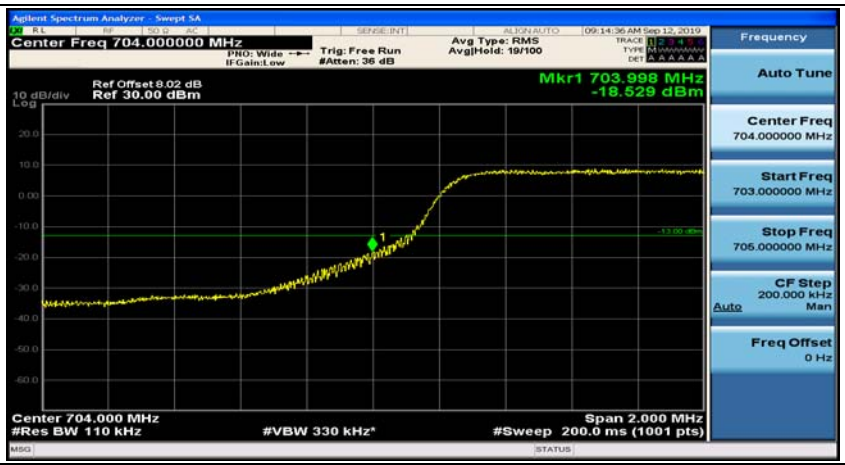
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



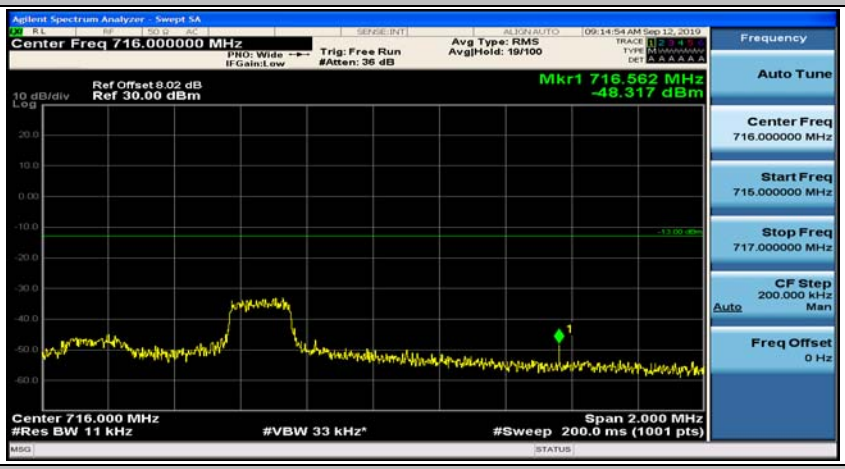
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



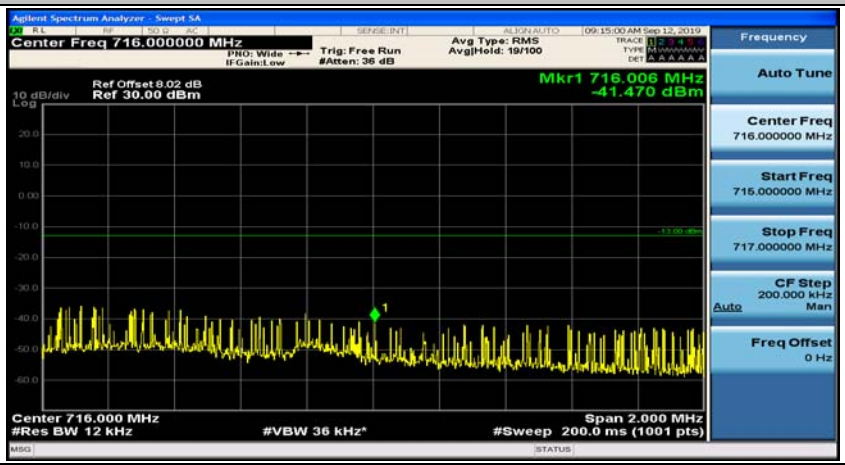
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

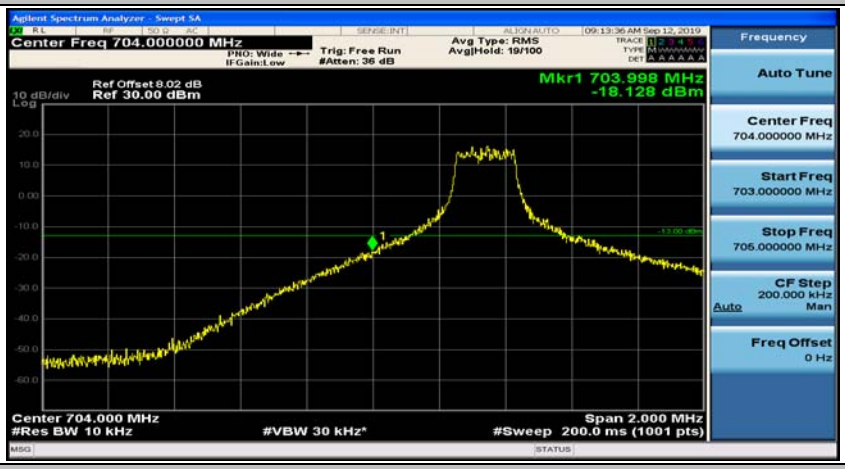
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

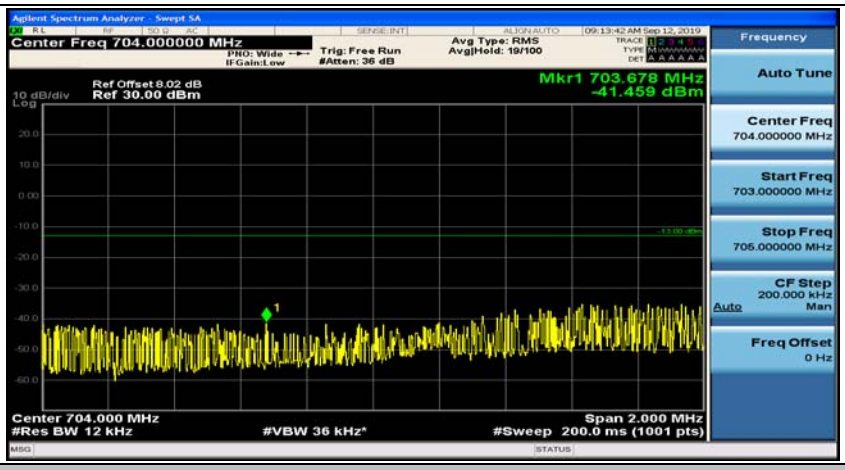
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

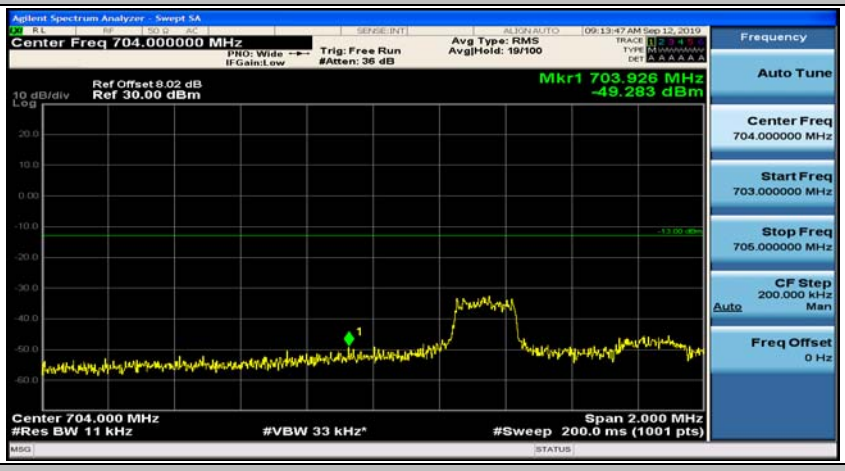
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



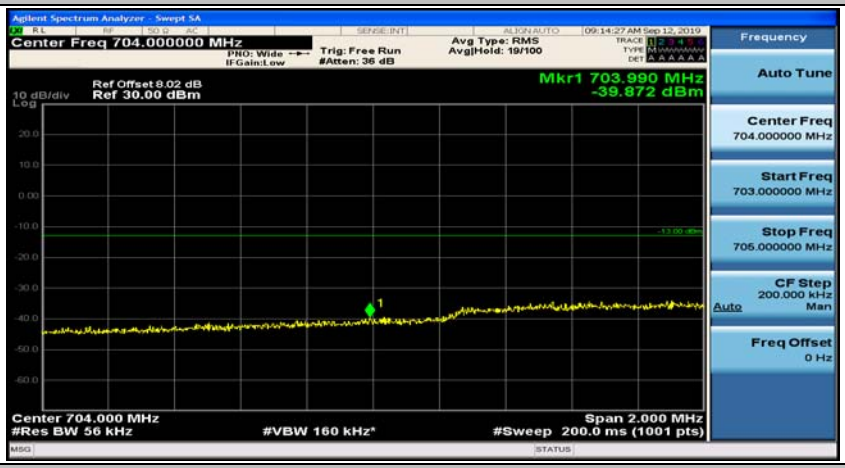
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



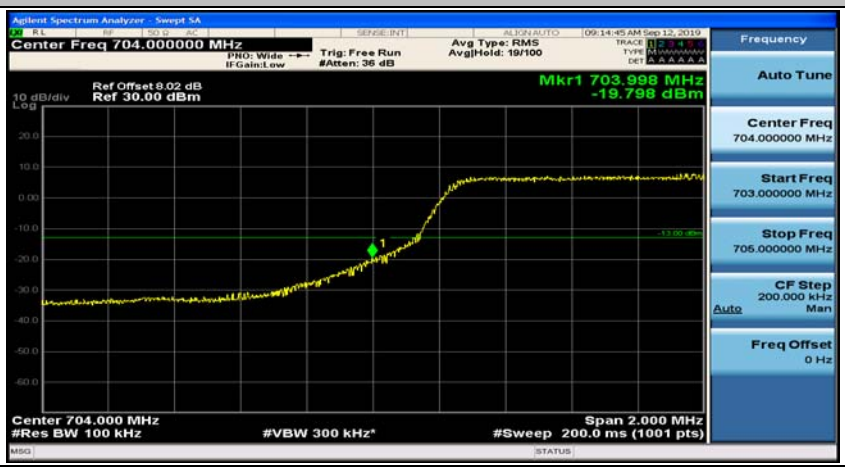
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

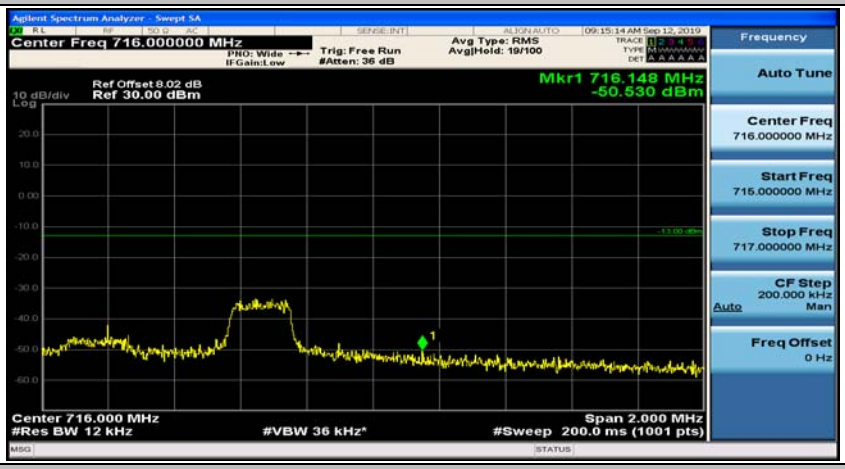
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



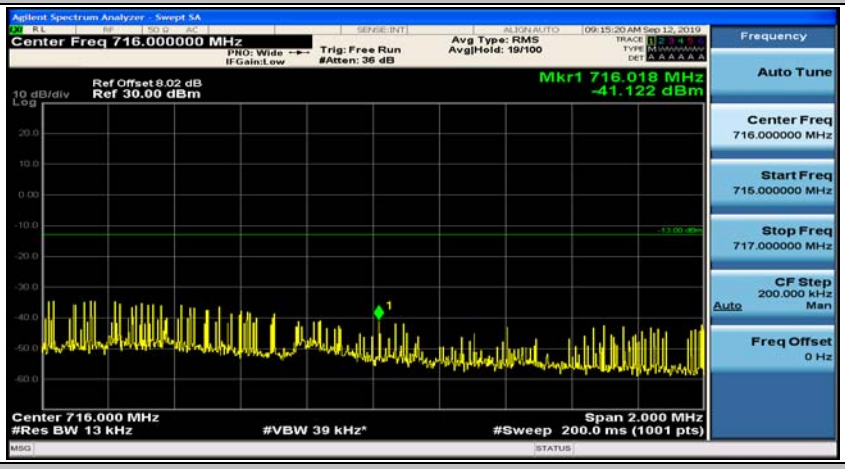
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



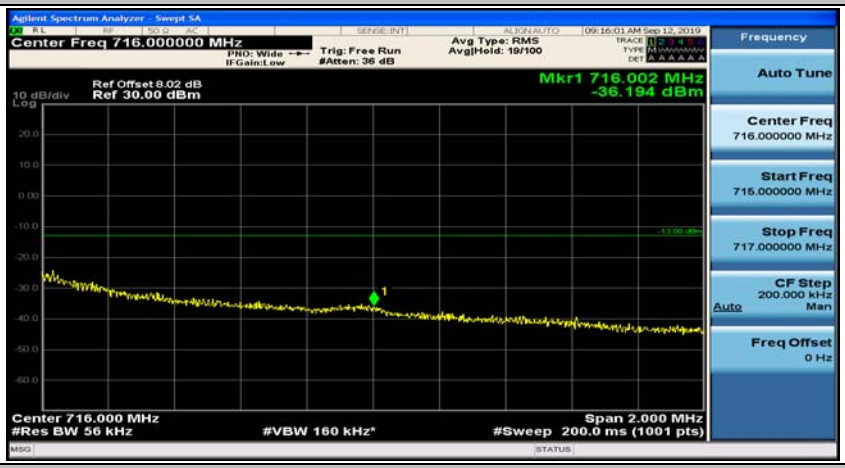
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

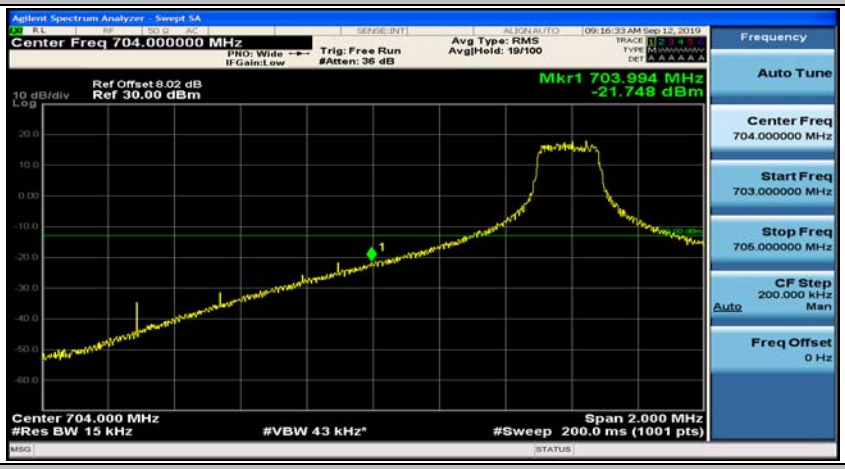
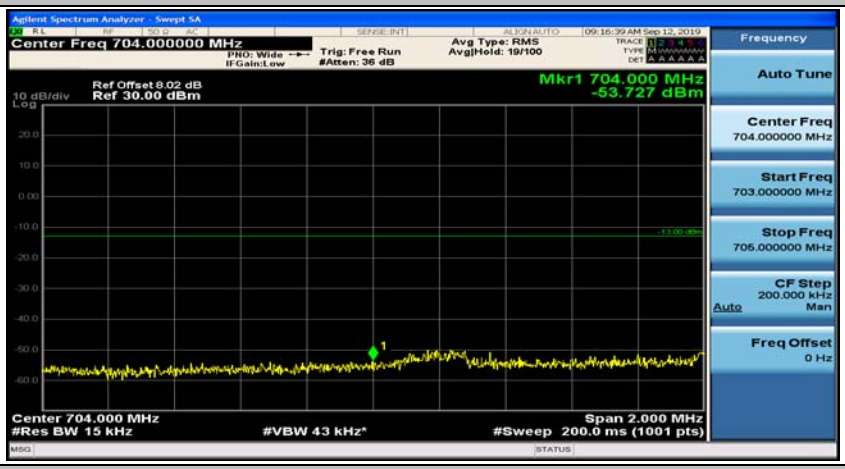
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

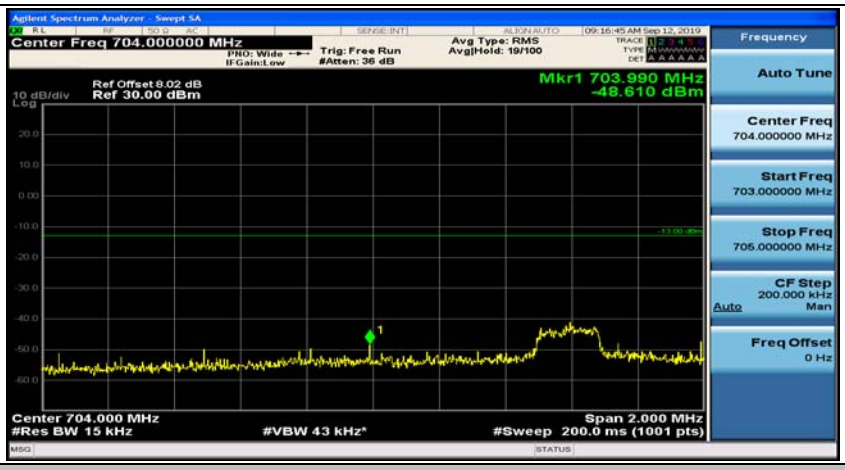


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

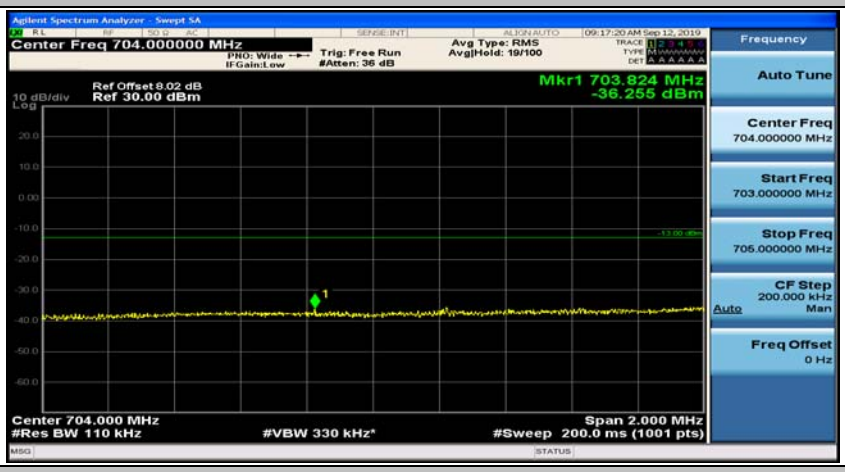
Channel Bandwidth: 10 MHz

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