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	22.54	PASS
		1	12	22.82	PASS
		1	24	22.35	PASS
		12	0	21.51	PASS
		12	6	21.6	PASS
		12	13	21.56	PASS
		25	0	21.55	PASS
	MCH	1	0	22.41	PASS
		1	12	22.69	PASS
		1	24	22.19	PASS
		12	0	21.53	PASS
		12	6	21.5	PASS
		12	13	21.21	PASS
		25	0	21.43	PASS
	HCH	1	0	22.25	PASS
		1	12	22.24	PASS
		1	24	22.61	PASS
		12	0	21.44	PASS
		12	6	21.34	PASS
		12	13	21.2	PASS
		25	0	21.33	PASS
16QAM	LCH	1	0	21.86	PASS
		1	12	21.54	PASS
		1	24	21.62	PASS
		12	0	20.58	PASS
		12	6	20.73	PASS
		12	13	20.69	PASS
		25	0	20.55	PASS
	MCH	1	0	21.67	PASS
		1	12	21.89	PASS
		1	24	21.5	PASS

		12	0	20.5	PASS
		12	6	20.47	PASS
		12	13	20.69	PASS
		25	0	20.44	PASS
	HCH	1	0	21.58	PASS
		1	12	21.78	PASS
		1	24	21.19	PASS
		12	0	20.5	PASS
		12	6	20.41	PASS
		12	13	20.57	PASS
		25	0	20.35	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.42	PASS
		1	24	22.48	PASS
		1	49	22.07	PASS
		25	0	21.44	PASS
		25	12	21.42	PASS
		25	25	21.11	PASS
		50	0	21.29	PASS
	MCH	1	0	22.45	PASS
		1	24	22.45	PASS
		1	49	22.05	PASS
		25	0	21.49	PASS
		25	12	21.43	PASS
		25	25	21.19	PASS
		50	0	21.32	PASS
	HCH	1	0	22.44	PASS
		1	24	22.89	PASS
		1	49	22.02	PASS
		25	0	21.62	PASS
		25	12	21.46	PASS
		25	25	21.27	PASS
		50	0	21.45	PASS
16QAM	LCH	1	0	21.62	PASS
		1	24	21.72	PASS
		1	49	21.46	PASS
		25	0	20.39	PASS
		25	12	20.44	PASS
		25	25	20.46	PASS

		50	0	20.73	PASS
	MCH	1	0	21.87	PASS
		1	24	21.93	PASS
		1	49	21.51	PASS
		25	0	20.50	PASS
		25	12	20.45	PASS
		25	25	20.54	PASS
		50	0	20.34	PASS
	HCH	1	0	21.72	PASS
		1	24	21.78	PASS
		1	49	21.26	PASS
		25	0	20.60	PASS
		25	12	20.45	PASS
		25	25	20.69	PASS
		50	0	20.48	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	4.58	<13	PASS
		1	12	4.47	<13	PASS
		1	24	4.88	<13	PASS
		12	0	5.37	<13	PASS
		12	6	5.26	<13	PASS
		12	13	5.43	<13	PASS
		25	0	5.37	<13	PASS
	MCH	1	0	4.68	<13	PASS
		1	12	4.81	<13	PASS
		1	24	5.07	<13	PASS
		12	0	5.52	<13	PASS
		12	6	5.57	<13	PASS
		12	13	5.7	<13	PASS
		25	0	5.63	<13	PASS
	HCH	1	0	5	<13	PASS
		1	12	4.73	<13	PASS
		1	24	4.63	<13	PASS
		12	0	5.84	<13	PASS
		12	6	5.71	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.68	<13	PASS
16QAM	LCH	1	0	5.29	<13	PASS
		1	12	5.1	<13	PASS
		1	24	5.59	<13	PASS
		12	0	6.23	<13	PASS
		12	6	6.17	<13	PASS
		12	13	6.31	<13	PASS
		25	0	6.18	<13	PASS
	MCH	1	0	5.48	<13	PASS
		1	12	5.62	<13	PASS
		1	24	5.94	<13	PASS
		12	0	6.36	<13	PASS
		12	6	6.48	<13	PASS

		12	13	6.51	<13	PASS
		25	0	6.45	<13	PASS
	HCH	1	0	5.69	<13	PASS
		1	12	5.42	<13	PASS
		1	24	5.51	<13	PASS
		12	0	6.6	<13	PASS
		12	6	6.55	<13	PASS
		12	13	6.47	<13	PASS
		25	0	6.49	<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	4.37	<13	PASS
		1	24	4.66	<13	PASS
		1	49	4.98	<13	PASS
		25	0	5.23	<13	PASS
		25	12	5.5	<13	PASS
		25	25	5.72	<13	PASS
		50	0	5.51	<13	PASS
	MCH	1	0	4.31	<13	PASS
		1	24	4.77	<13	PASS
		1	49	4.71	<13	PASS
		25	0	5.31	<13	PASS
		25	12	5.57	<13	PASS
		25	25	5.71	<13	PASS
		50	0	5.56	<13	PASS
	HCH	1	0	4.46	<13	PASS
		1	24	4.79	<13	PASS
		1	49	4.5	<13	PASS
		25	0	5.35	<13	PASS
		25	12	5.61	<13	PASS
		25	25	5.56	<13	PASS
		50	0	5.58	<13	PASS
16QAM	LCH	1	0	5.19	<13	PASS
		1	24	5.57	<13	PASS
		1	49	5.77	<13	PASS
		25	0	6.15	<13	PASS
		25	12	6.34	<13	PASS
		25	25	6.56	<13	PASS

		50	0	6.35	<13	PASS
	MCH	1	0	5.18	<13	PASS
		1	24	5.54	<13	PASS
		1	49	5.51	<13	PASS
		25	0	6.2	<13	PASS
		25	12	6.49	<13	PASS
		25	25	6.52	<13	PASS
		50	0	6.42	<13	PASS
	HCH	1	0	5.23	<13	PASS
		1	24	5.62	<13	PASS
		1	49	5.46	<13	PASS
		25	0	6.3	<13	PASS
		25	12	6.62	<13	PASS
		25	25	6.51	<13	PASS
		50	0	6.4	<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

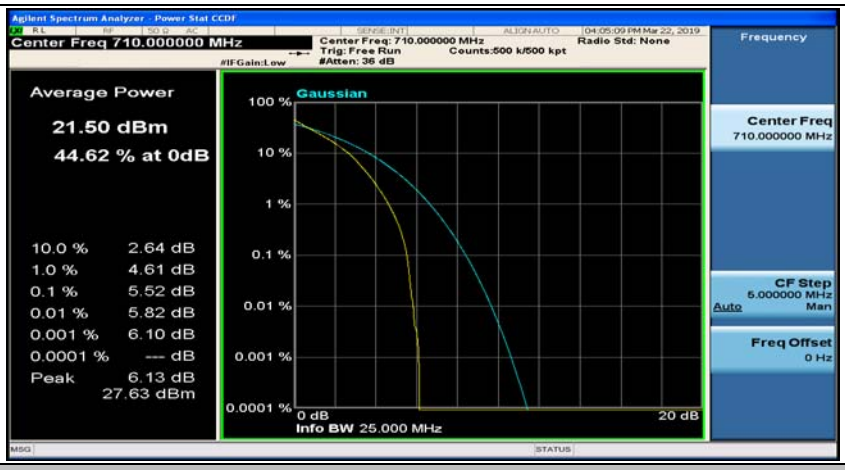
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

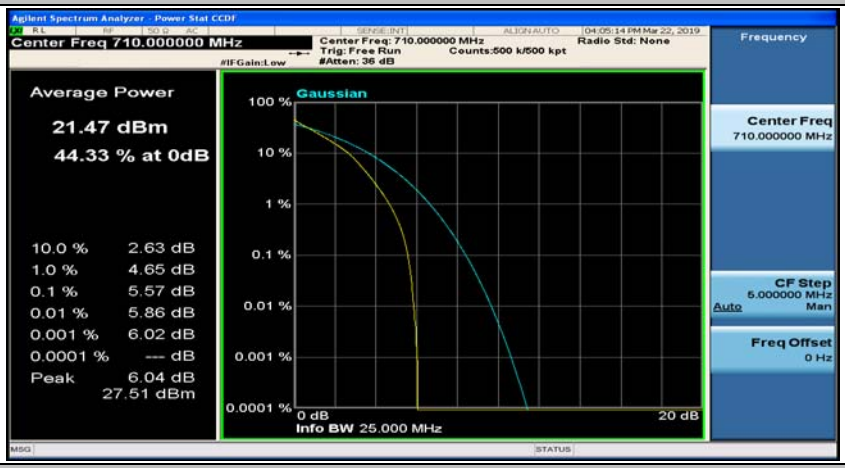
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



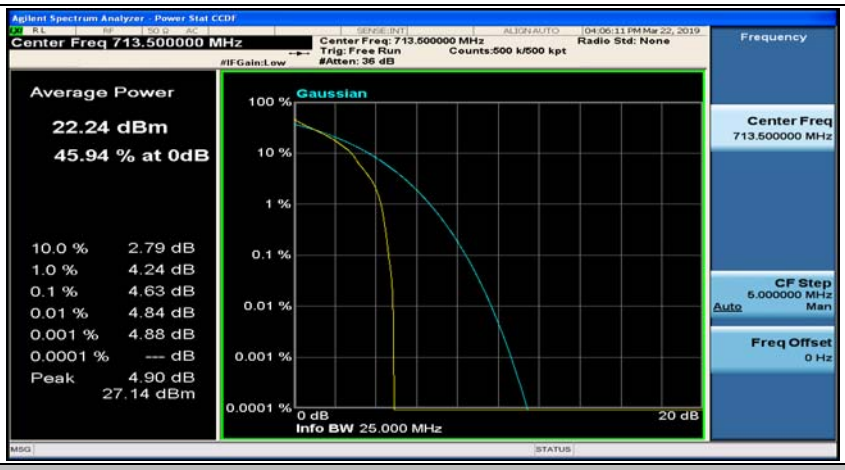
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13

(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

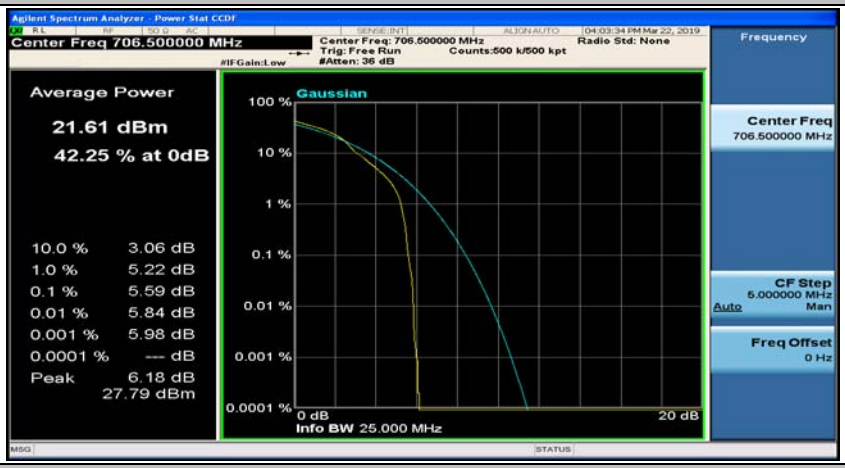
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(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

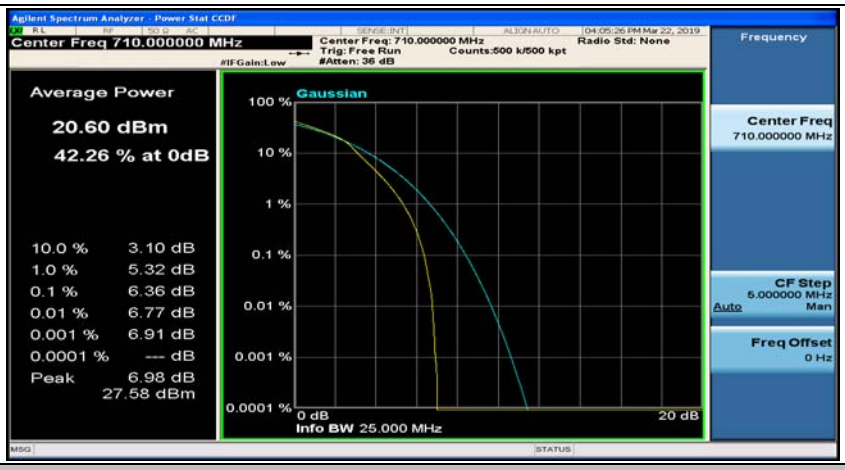
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

(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

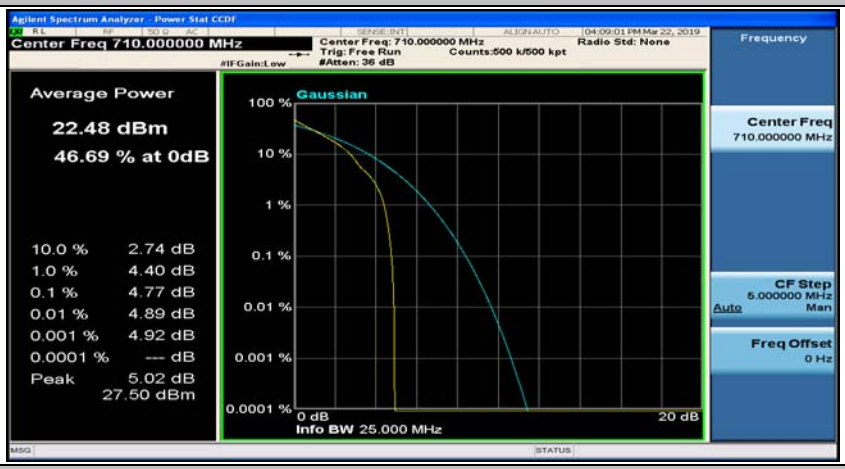
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

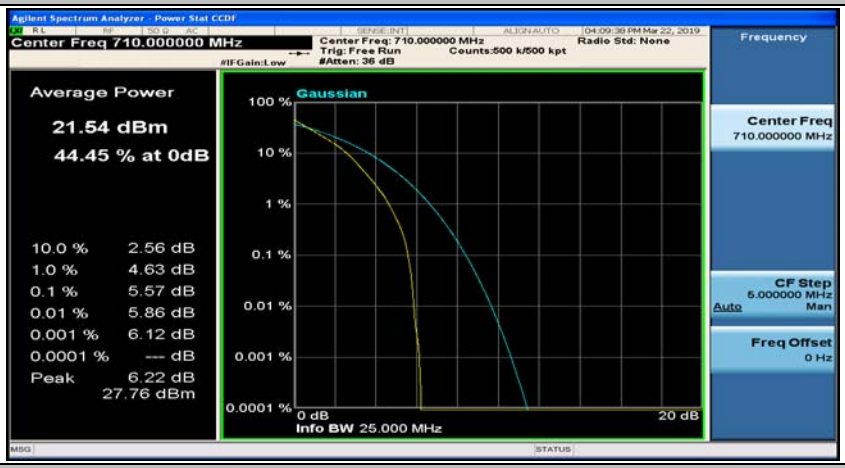
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



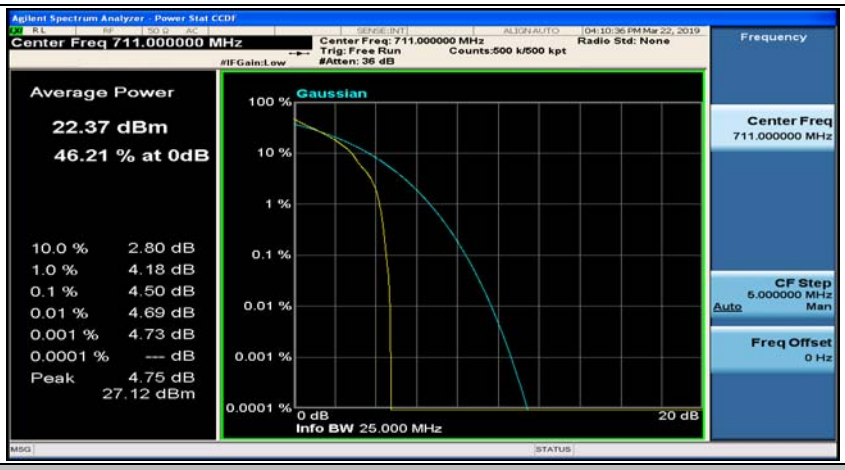
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

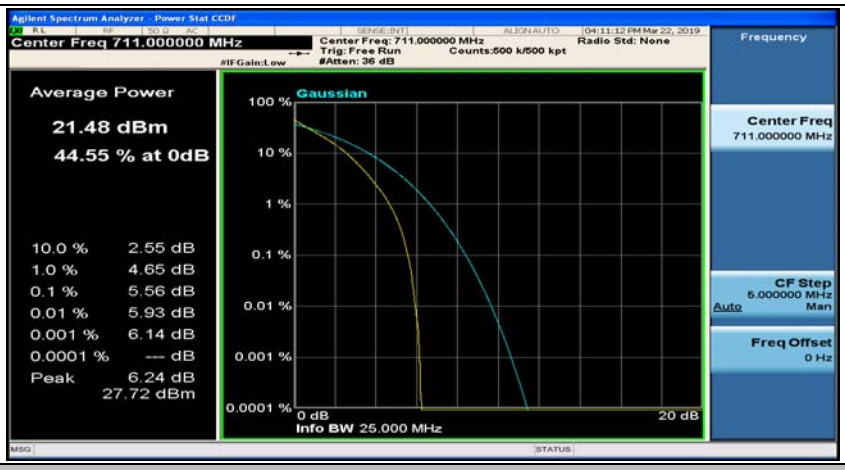
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



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

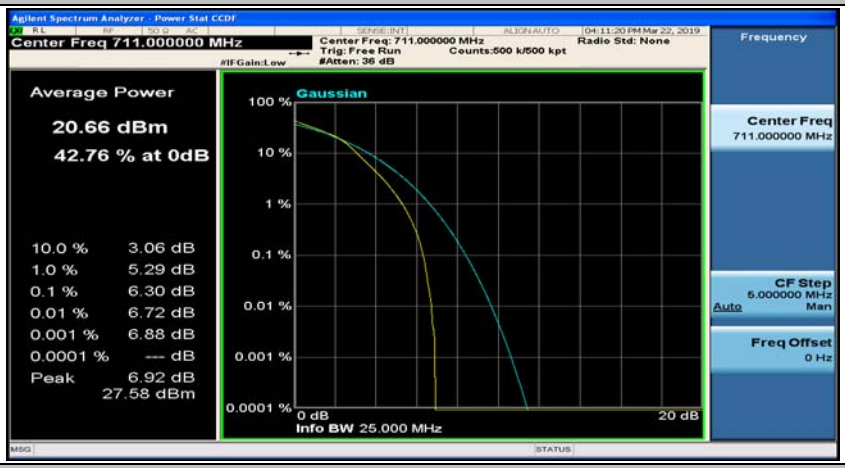
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

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	4.4760	4.825	PASS
	MCH	25	0	4.4692	4.866	PASS
	HCH	25	0	4.4835	4.936	PASS
16QAM	LCH	25	0	4.4837	4.832	PASS
	MCH	25	0	4.4733	4.764	PASS
	HCH	25	0	4.4860	4.919	PASS

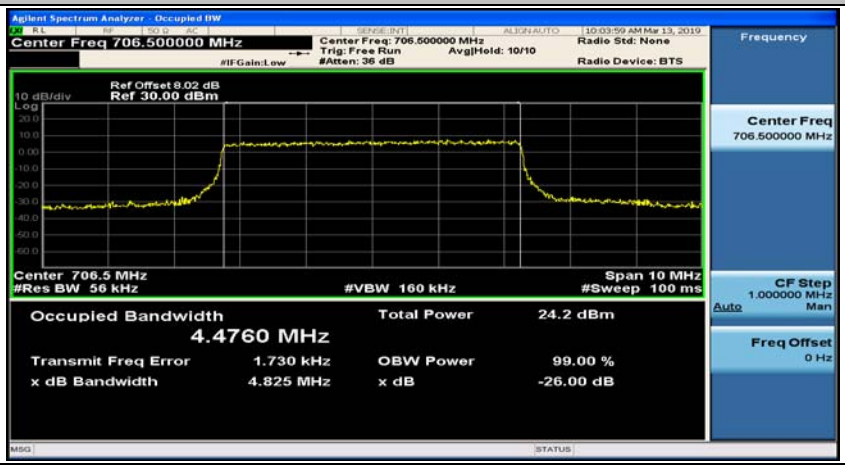
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9181	9.445	PASS
	MCH	50	0	8.9108	9.402	PASS
	HCH	50	0	8.9477	9.444	PASS
16QAM	LCH	50	0	8.9126	9.475	PASS
	MCH	50	0	8.9250	9.435	PASS
	HCH	50	0	8.9255	9.502	PASS

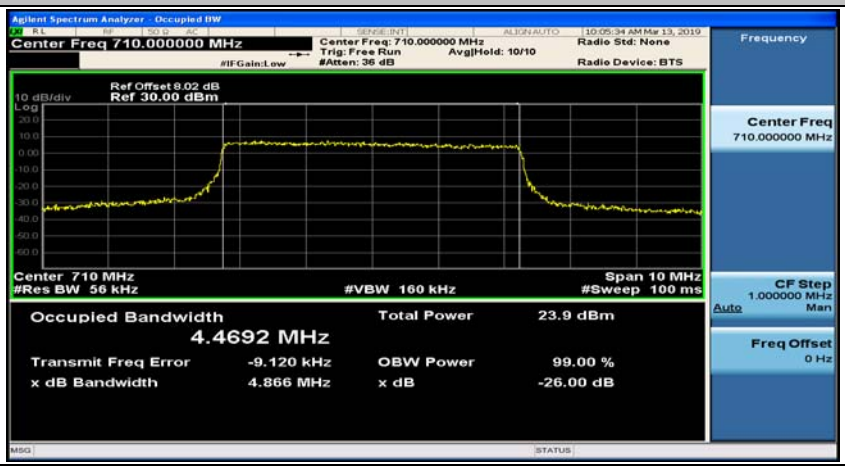
Test Graphs

Channel Bandwidth: 5 MHz

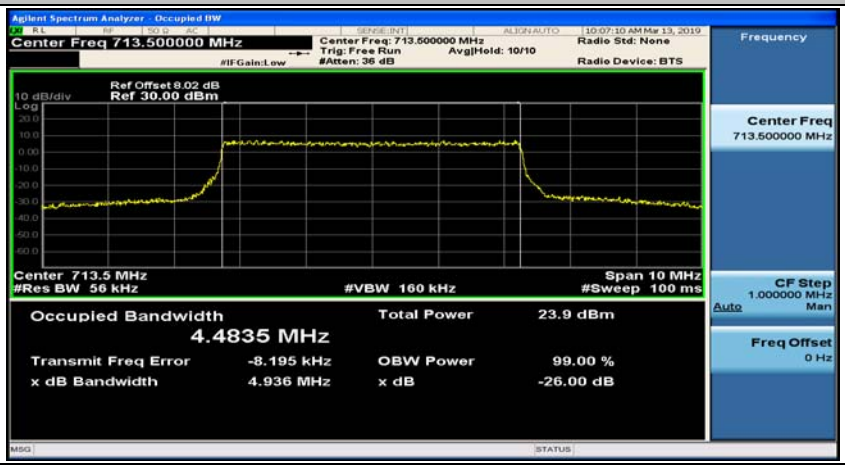
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



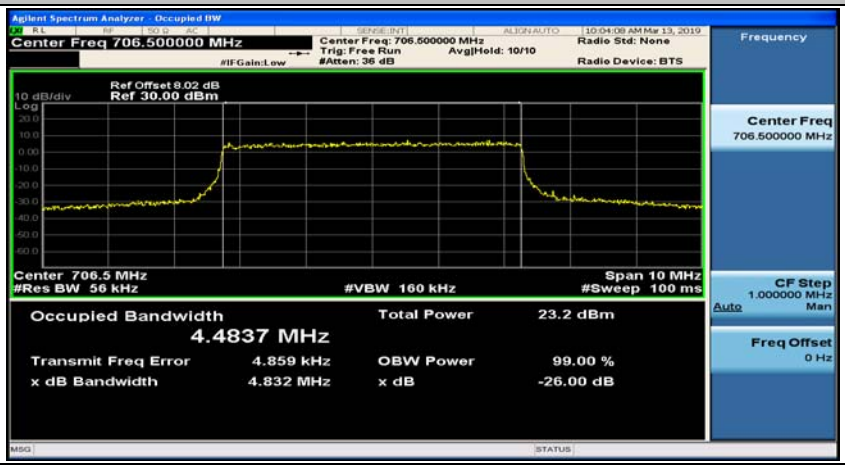
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



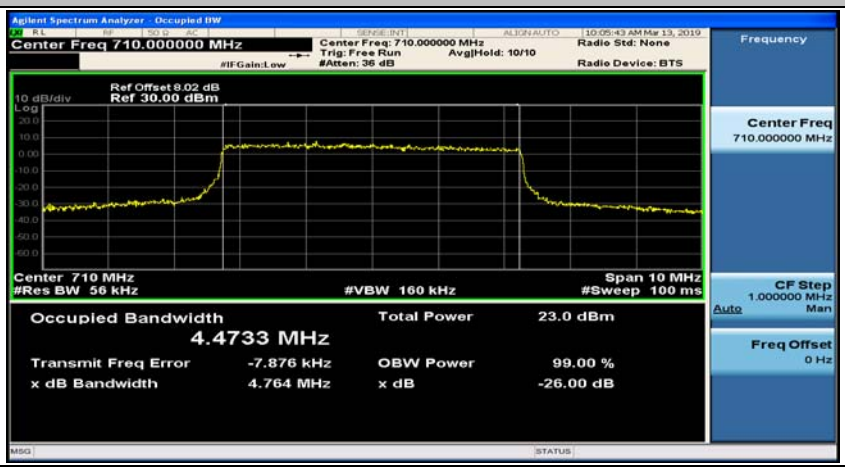
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



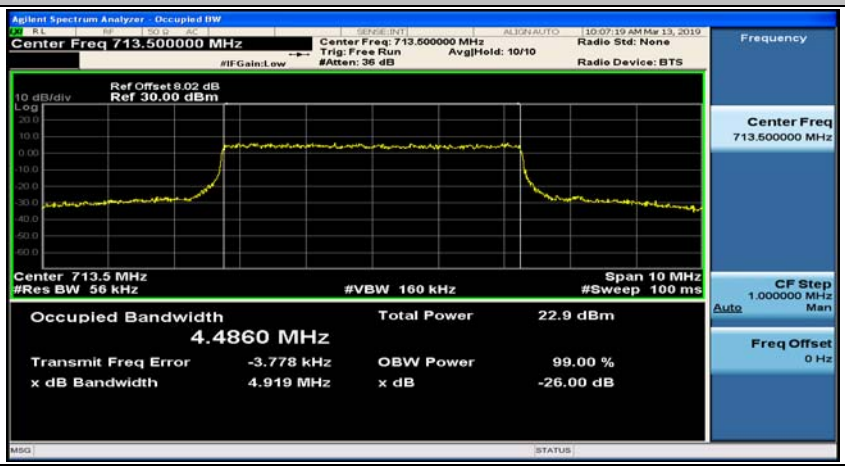
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

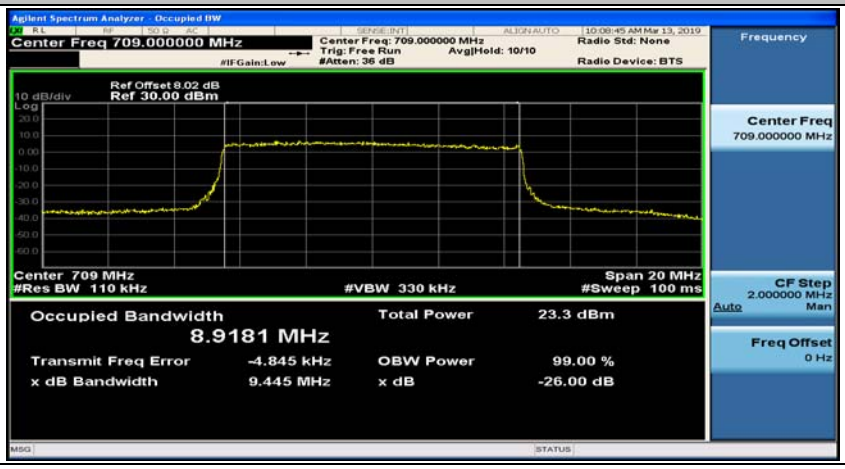


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

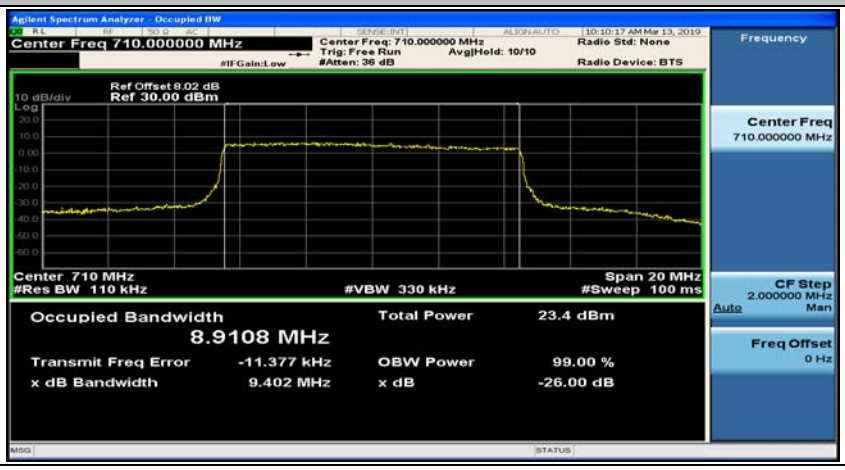


Channel Bandwidth: 10 MHz

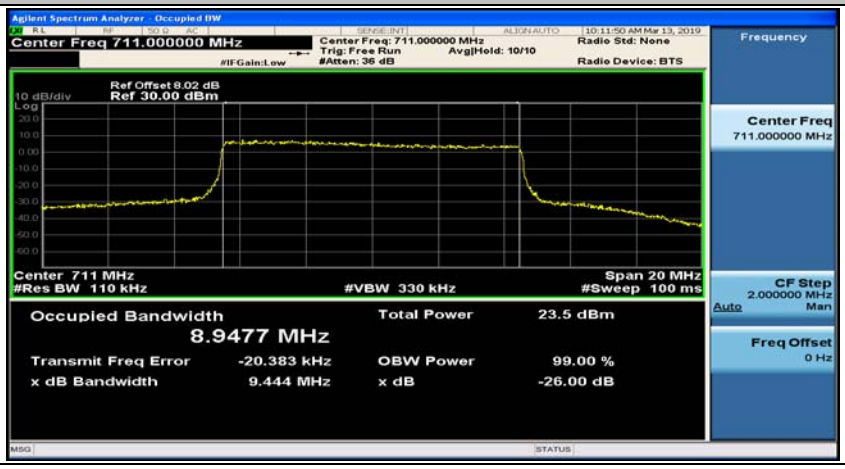
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



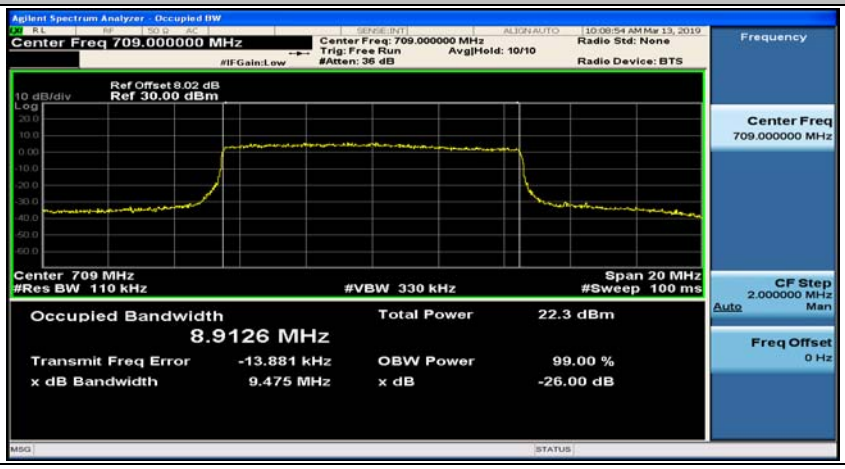
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



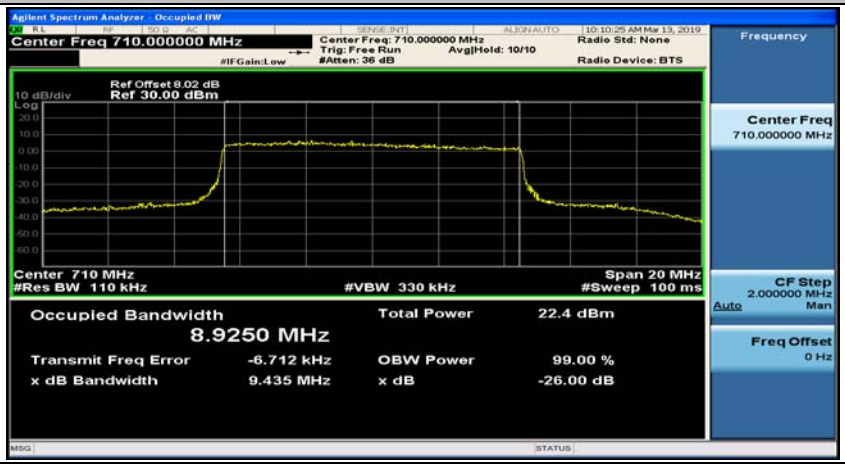
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



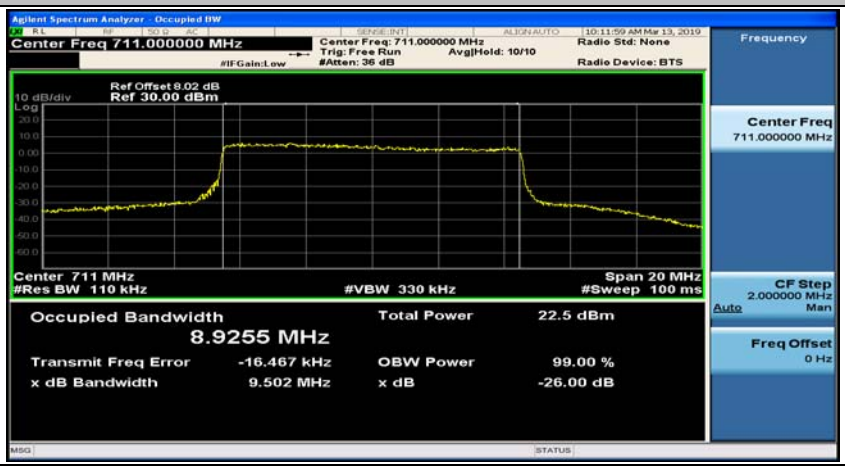
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

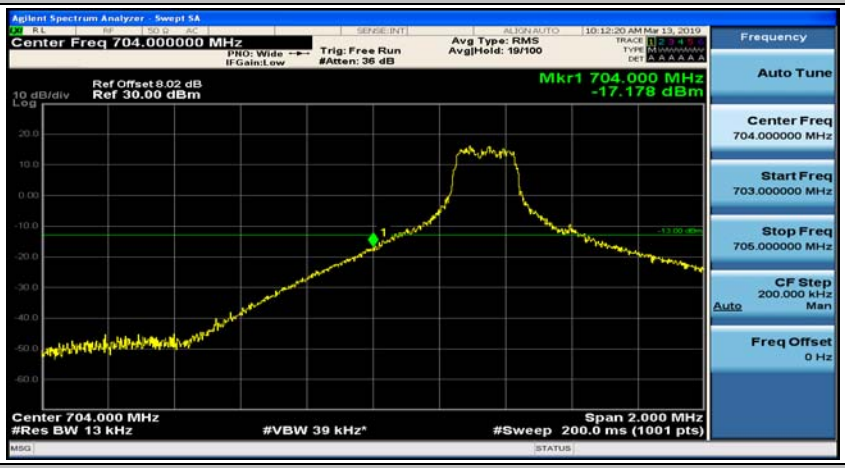


Appendix D: Band Edge

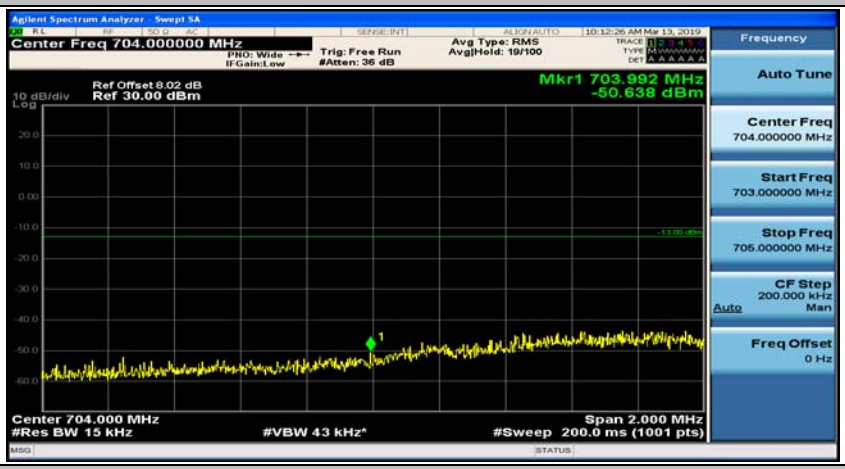
Test Graphs

Channel Bandwidth: 5 MHz

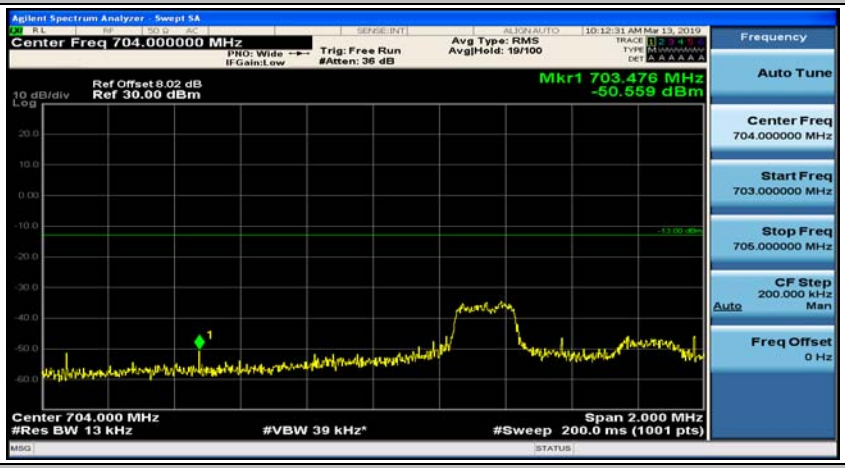
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

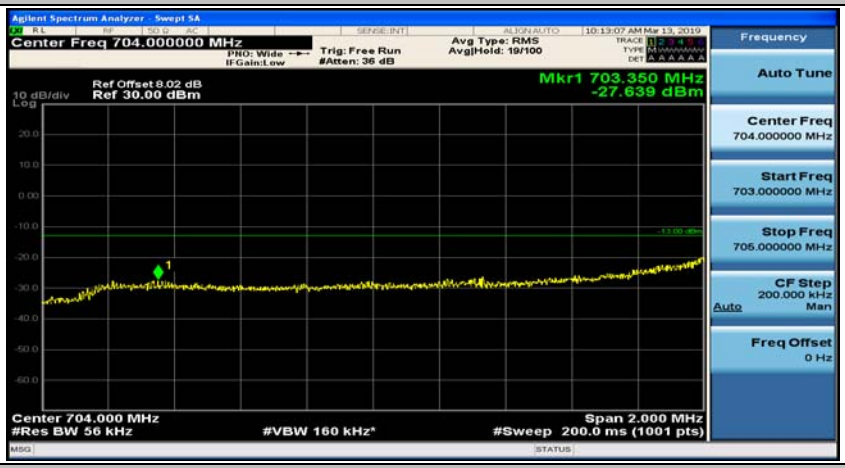


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



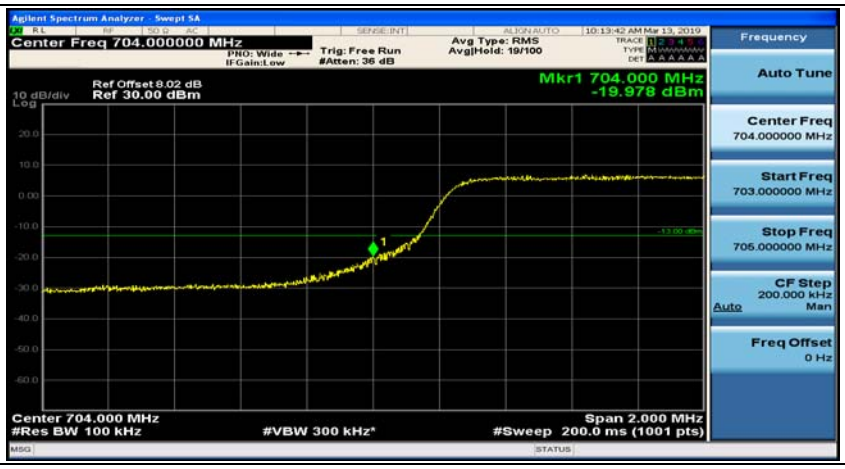
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

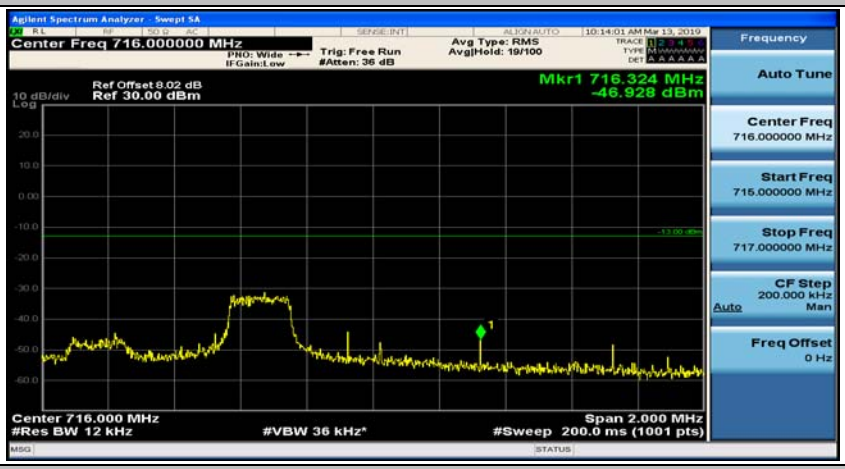


(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

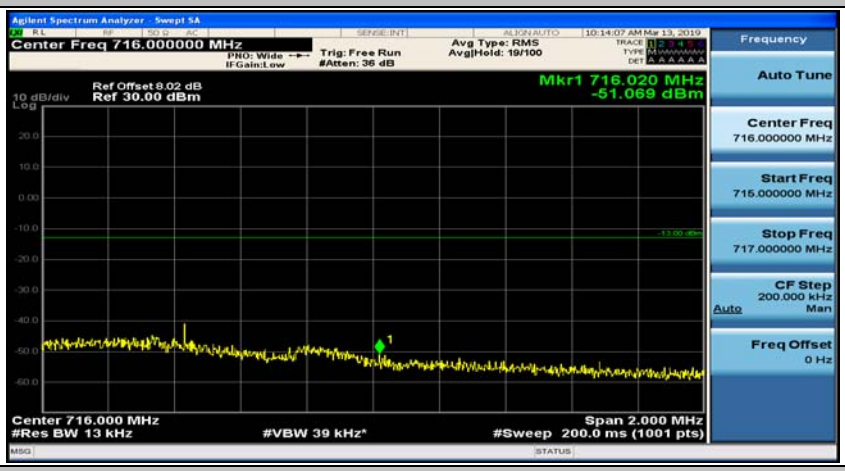
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



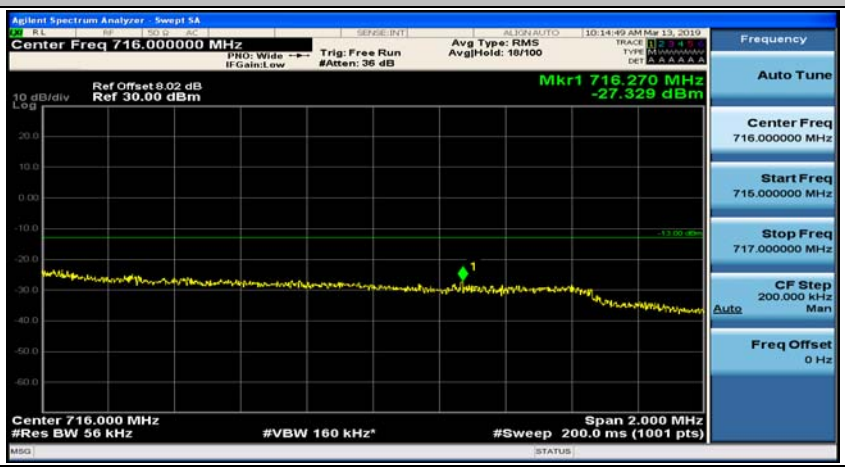
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24

(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0

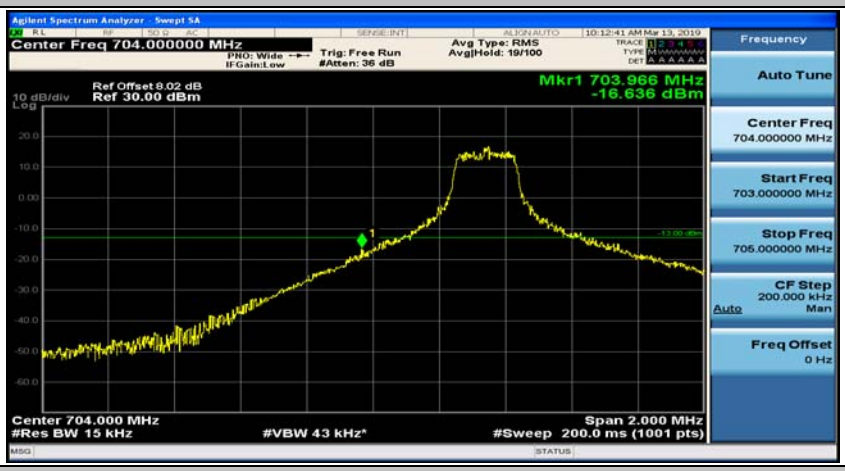
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



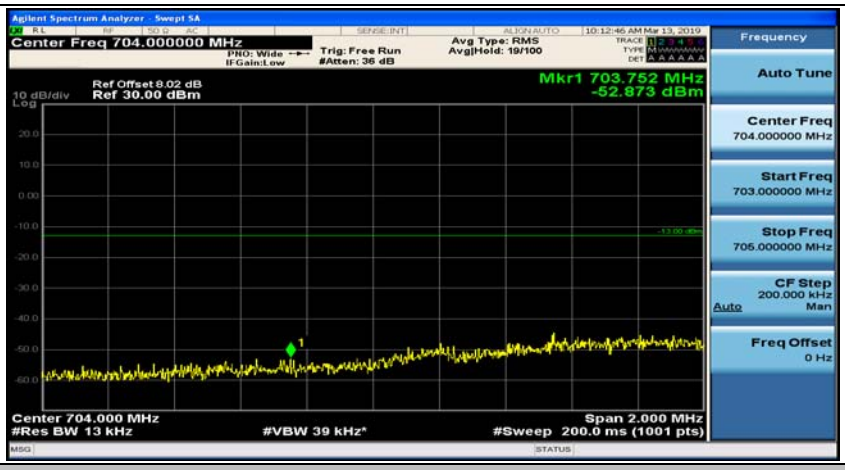
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0

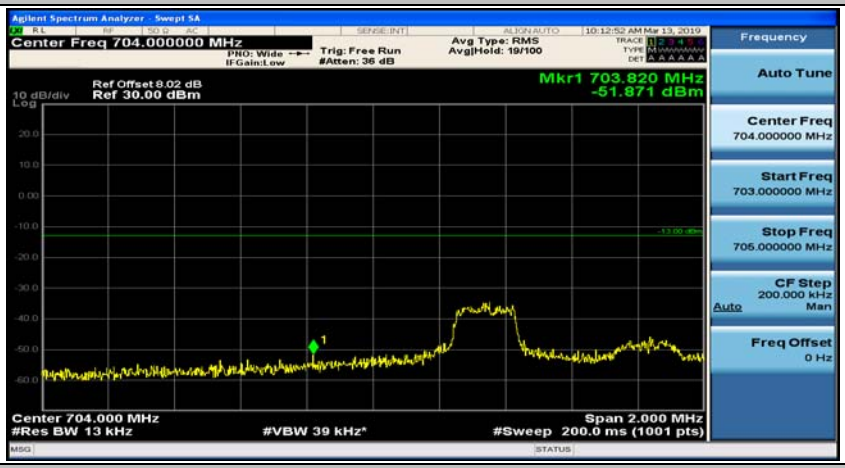
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



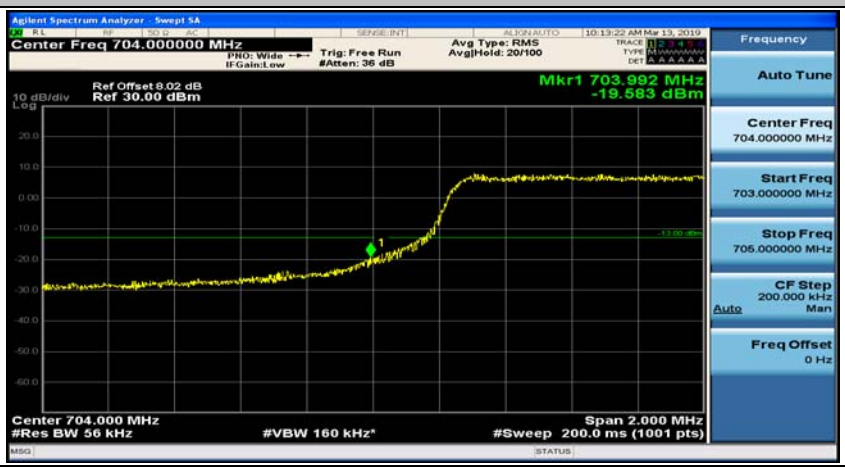
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



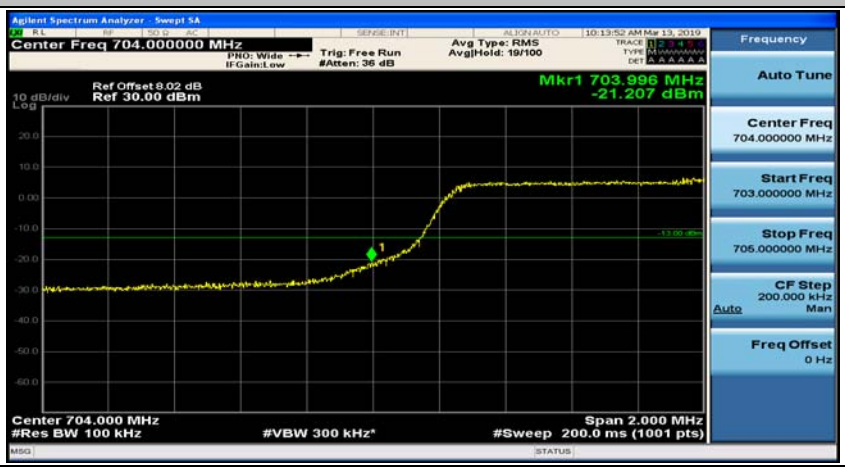
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



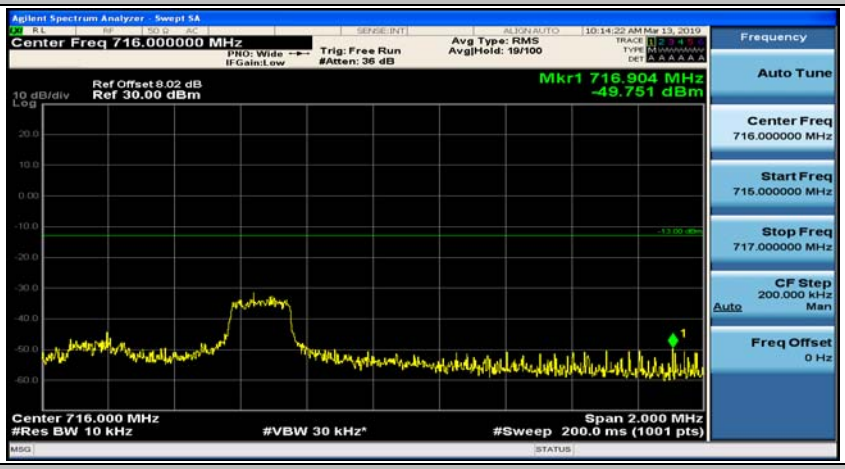
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13

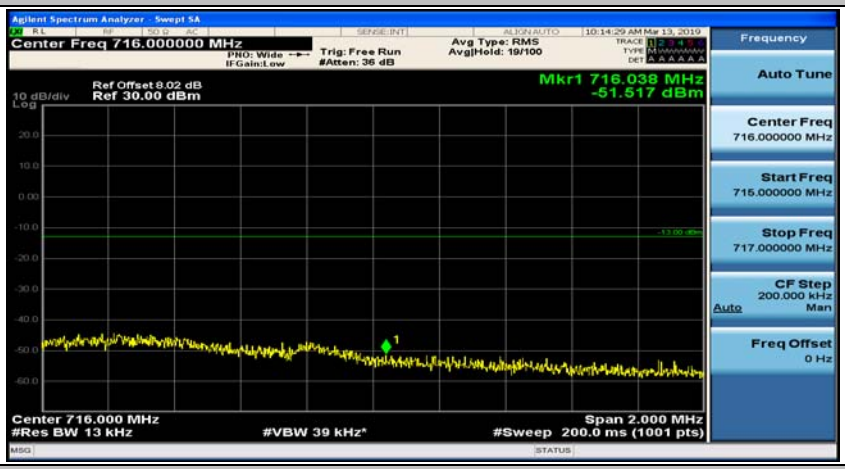
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



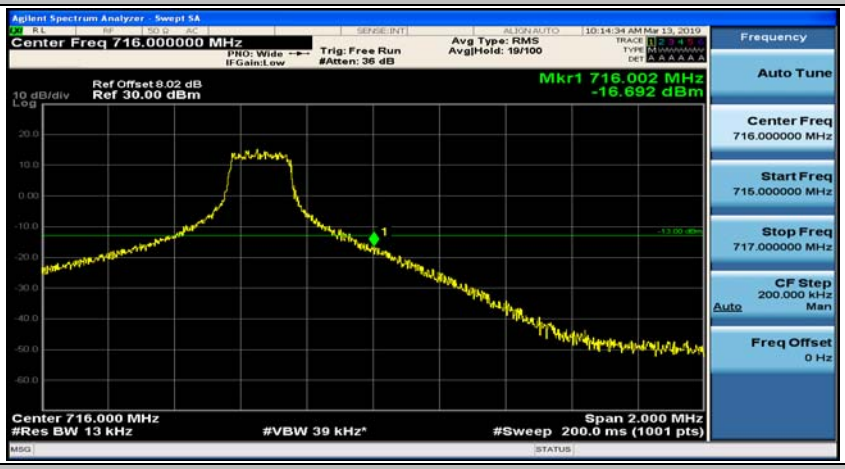
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



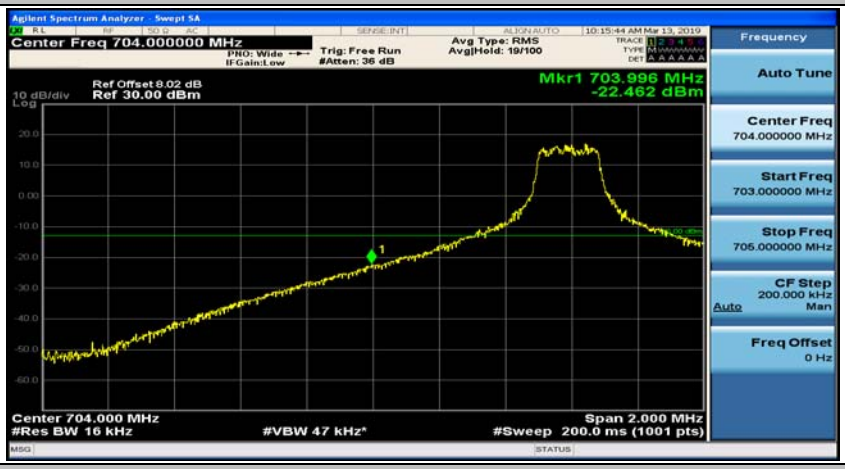
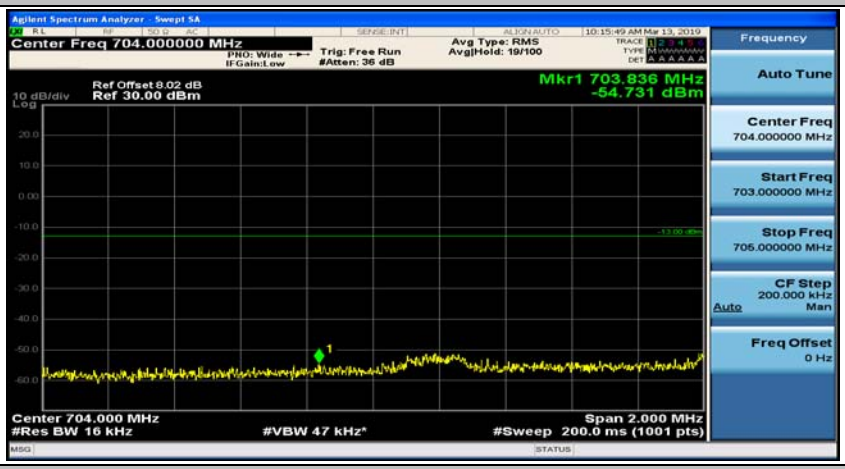
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

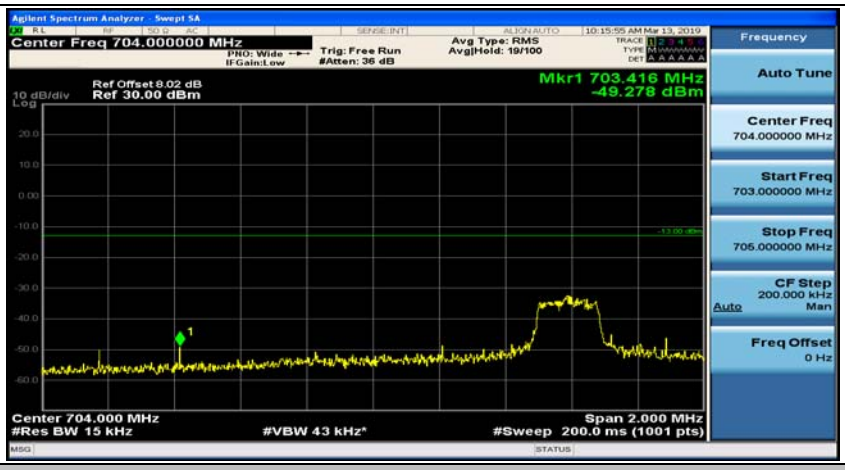
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

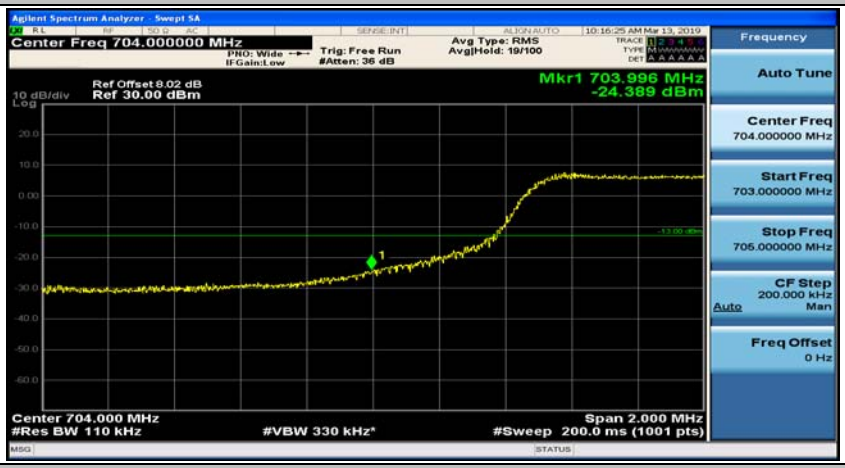
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz

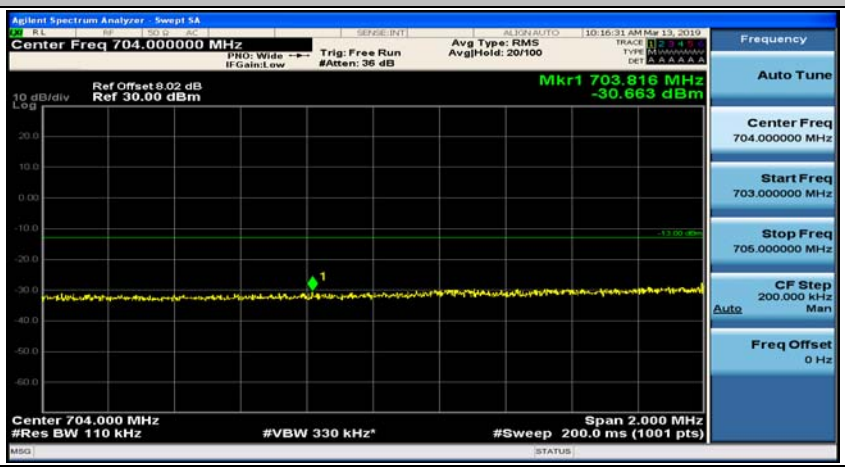
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

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