

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	22.35	PASS
		1	12	22.46	PASS
		1	24	22.48	PASS
		12	0	21.54	PASS
		12	6	21.59	PASS
		12	13	21.61	PASS
		25	0	21.36	PASS
	MCH	1	0	22.47	PASS
		1	12	22.65	PASS
		1	24	22.75	PASS
		12	0	21.52	PASS
		12	6	21.6	PASS
		12	13	21.71	PASS
		25	0	21.56	PASS
	HCH	1	0	22.73	PASS
		1	12	22.94	PASS
		1	24	22.94	PASS
		12	0	21.85	PASS
		12	6	21.91	PASS
		12	13	21.97	PASS
		25	0	21.87	PASS
16QAM	LCH	1	0	21.62	PASS
		1	12	21.78	PASS
		1	24	21.82	PASS
		12	0	20.51	PASS
		12	6	20.54	PASS
		12	13	20.59	PASS
		25	0	20.42	PASS
	MCH	1	0	21.77	PASS
		1	12	21.98	PASS
		1	24	22.05	PASS
		12	0	20.70	PASS



		12	6	20.78	PASS
		12	13	20.89	PASS
		25	0	20.64	PASS
	HCH	1	0	21.94	PASS
		1	12	22.12	PASS
		1	24	22.17	PASS
		12	0	20.90	PASS
		12	6	20.96	PASS
		12	13	21.02	PASS
		25	0	20.95	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.21	PASS
		1	24	22.46	PASS
		1	49	22.78	PASS
		25	0	21.37	PASS
		25	12	21.51	PASS
		25	25	21.70	PASS
		50	0	21.54	PASS
	MCH	1	0	22.27	PASS
		1	24	22.56	PASS
		1	49	22.88	PASS
		25	0	21.45	PASS
		25	12	21.60	PASS
		25	25	21.78	PASS
		50	0	21.62	PASS
	HCH	1	0	22.38	PASS
		1	24	22.67	PASS
		1	49	22.96	PASS
		25	0	21.53	PASS
		25	12	21.68	PASS
		25	25	21.87	PASS
		50	0	21.68	PASS
16QAM	LCH	1	0	21.54	PASS
		1	24	21.80	PASS
		1	49	22.11	PASS
		25	0	20.43	PASS
		25	12	20.57	PASS
		25	25	20.76	PASS
		50	0	20.57	PASS



	MCH	1	0	21.78	PASS
		1	24	22.02	PASS
		1	49	22.33	PASS
		25	0	20.53	PASS
		25	12	20.69	PASS
		25	25	20.85	PASS
		50	0	20.72	PASS
	HCH	1	0	21.72	PASS
		1	24	21.97	PASS
		1	49	22.25	PASS
		25	0	20.57	PASS
		25	12	20.74	PASS
		25	25	20.90	PASS
		50	0	20.76	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	4.55	<13	PASS
		1	12	4.65	<13	PASS
		1	24	4.88	<13	PASS
		12	0	5.31	<13	PASS
		12	6	5.43	<13	PASS
		12	13	5.55	<13	PASS
		25	0	5.49	<13	PASS
	MCH	1	0	4.52	<13	PASS
		1	12	4.87	<13	PASS
		1	24	4.46	<13	PASS
		12	0	5.58	<13	PASS
		12	6	5.62	<13	PASS
		12	13	5.55	<13	PASS
		25	0	5.67	<13	PASS
	HCH	1	0	4.8	<13	PASS
		1	12	4.18	<13	PASS
		1	24	3.98	<13	PASS
		12	0	5.39	<13	PASS
		12	6	5.14	<13	PASS
		12	13	4.94	<13	PASS
		25	0	5.33	<13	PASS
16QAM	LCH	1	0	5.14	<13	PASS
		1	12	5.26	<13	PASS
		1	24	5.55	<13	PASS
		12	0	6.17	<13	PASS
		12	6	6.26	<13	PASS
		12	13	6.37	<13	PASS
		25	0	6.22	<13	PASS
	MCH	1	0	5.49	<13	PASS
		1	12	5.68	<13	PASS
		1	24	5.35	<13	PASS
		12	0	6.46	<13	PASS



		12	6	6.5	<13	PASS
		12	13	6.45	<13	PASS
		25	0	6.51	<13	PASS
	HCH	1	0	5.64	<13	PASS
		1	12	4.91	<13	PASS
		1	24	4.92	<13	PASS
		12	0	6.24	<13	PASS
		12	6	5.91	<13	PASS
		12	13	5.8	<13	PASS
		25	0	6.12	<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	4.33	<13	PASS
		1	24	4.68	<13	PASS
		1	49	4.14	<13	PASS
		25	0	5.48	<13	PASS
		25	12	5.63	<13	PASS
		25	25	5.53	<13	PASS
		50	0	5.56	<13	PASS
	MCH	1	0	4.27	<13	PASS
		1	24	4.67	<13	PASS
		1	49	3.73	<13	PASS
		25	0	5.53	<13	PASS
		25	12	5.6	<13	PASS
		25	25	5.42	<13	PASS
		50	0	5.52	<13	PASS
	HCH	1	0	4.42	<13	PASS
		1	24	4.78	<13	PASS
		1	49	3.94	<13	PASS
		25	0	5.5	<13	PASS
		25	12	5.5	<13	PASS
		25	25	5.24	<13	PASS
		50	0	5.43	<13	PASS
16QAM	LCH	1	0	5.18	<13	PASS
		1	24	5.61	<13	PASS
		1	49	5.06	<13	PASS
		25	0	6.27	<13	PASS
		25	12	6.51	<13	PASS

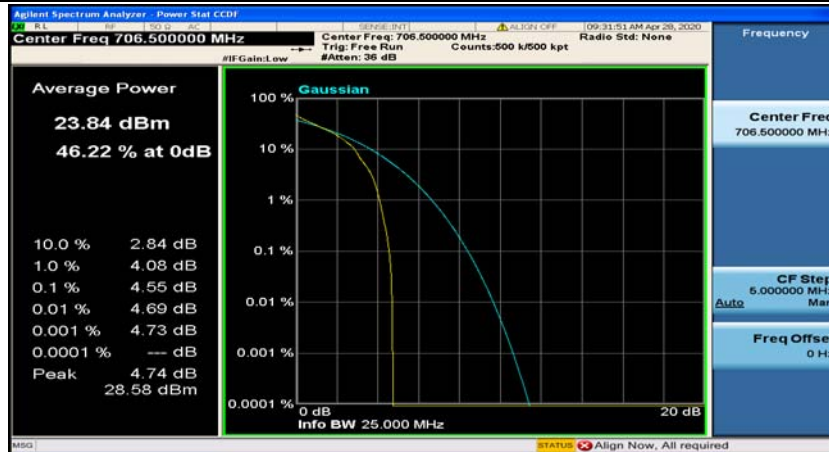


		25	25	6.47	<13	PASS
		50	0	6.42	<13	PASS
	MCH	1	0	5.14	<13	PASS
		1	24	5.52	<13	PASS
		1	49	4.76	<13	PASS
		25	0	6.43	<13	PASS
		25	12	6.5	<13	PASS
		25	25	6.27	<13	PASS
		50	0	6.35	<13	PASS
	HCH	1	0	5.33	<13	PASS
		1	24	5.67	<13	PASS
		1	49	4.89	<13	PASS
		25	0	6.52	<13	PASS
		25	12	6.48	<13	PASS
		25	25	6.17	<13	PASS
		50	0	6.34	<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



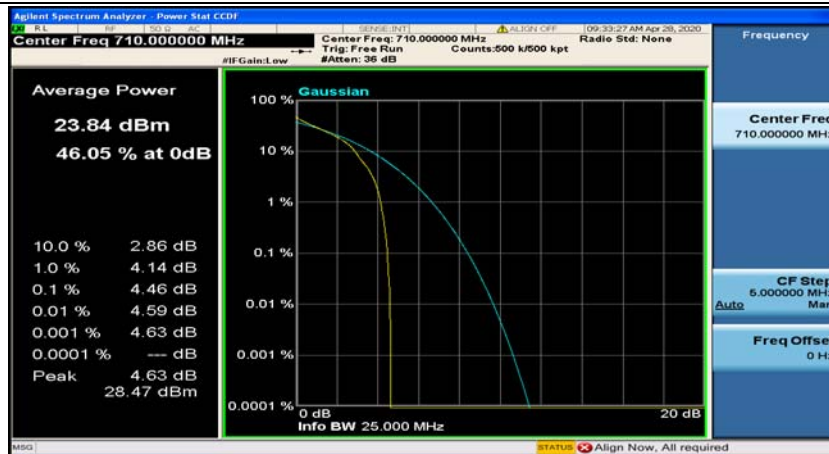
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



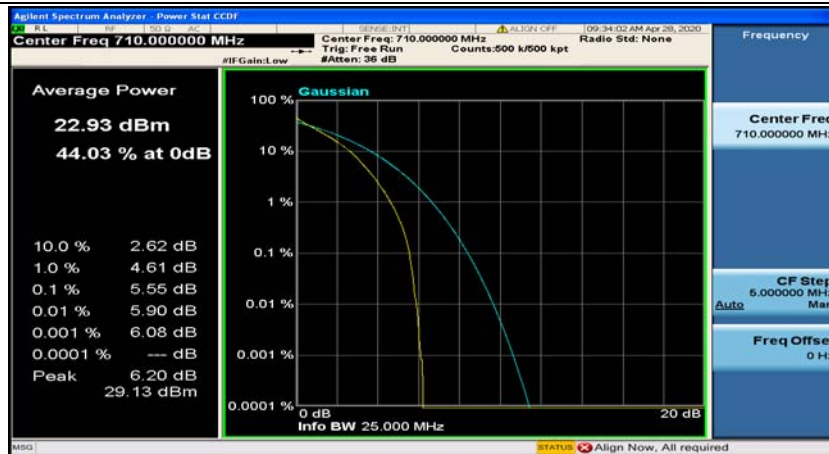
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



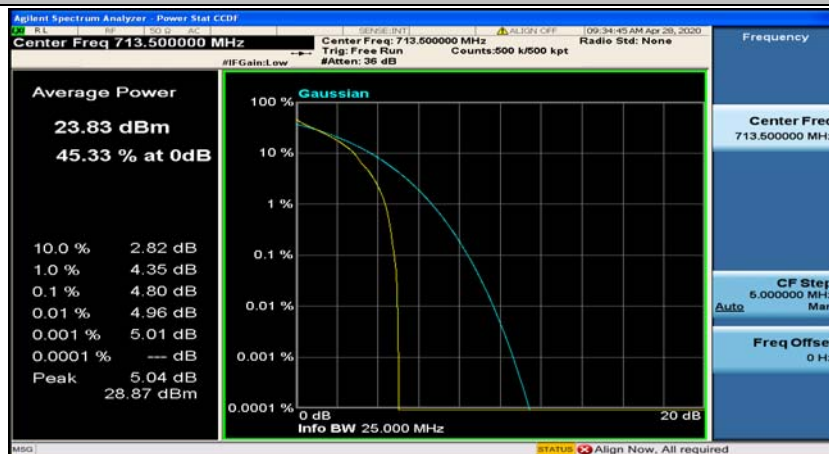
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13



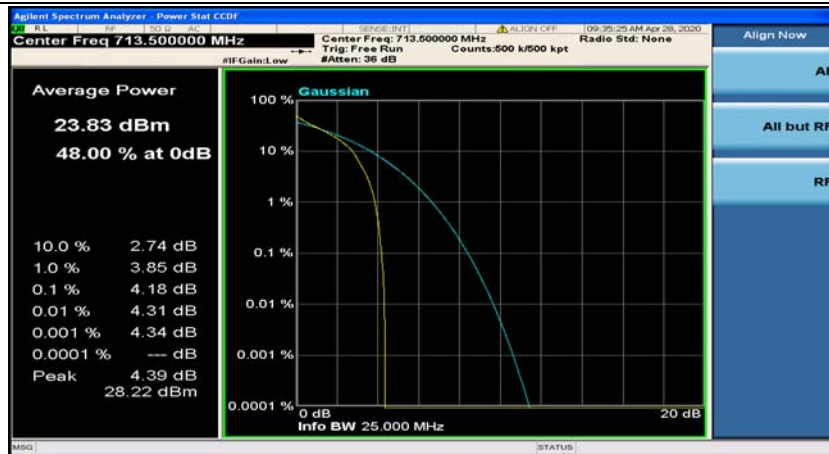
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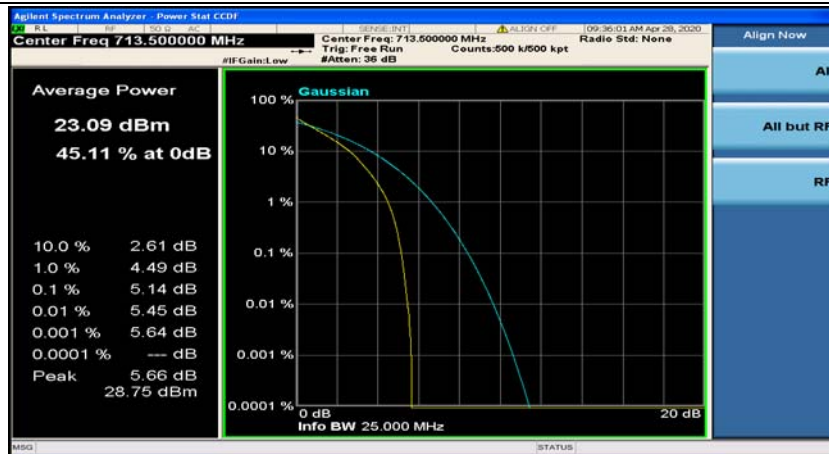


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

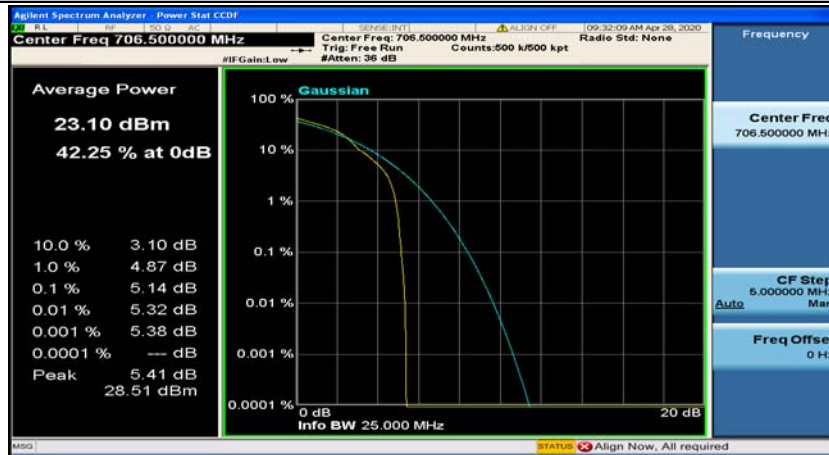


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

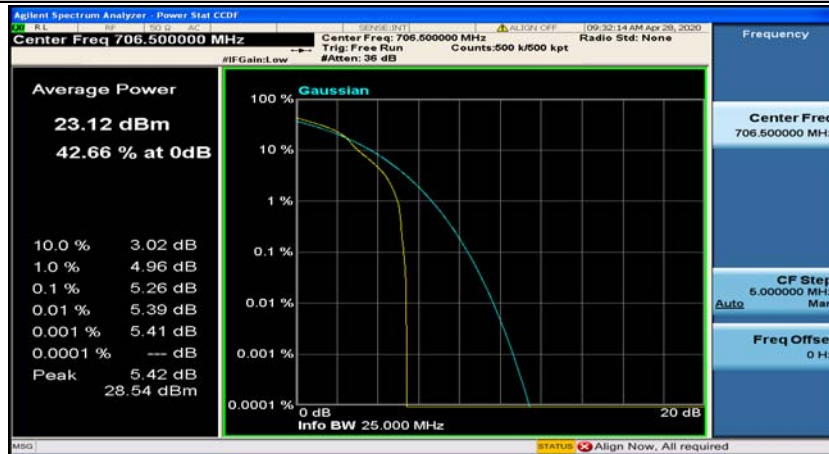




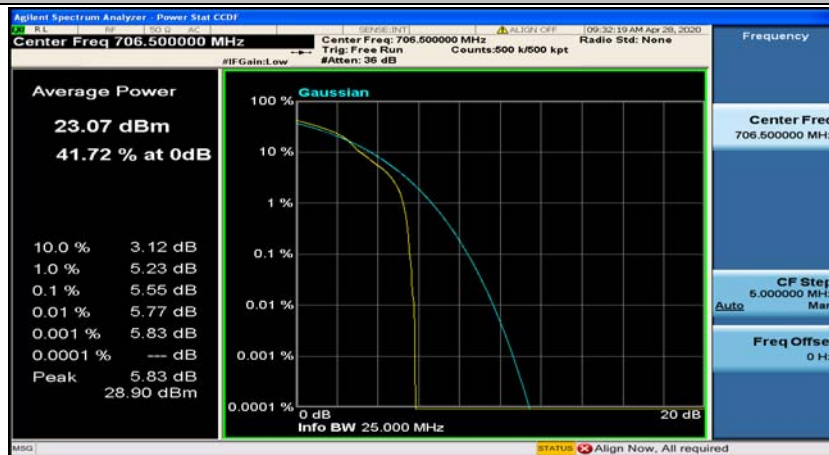
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



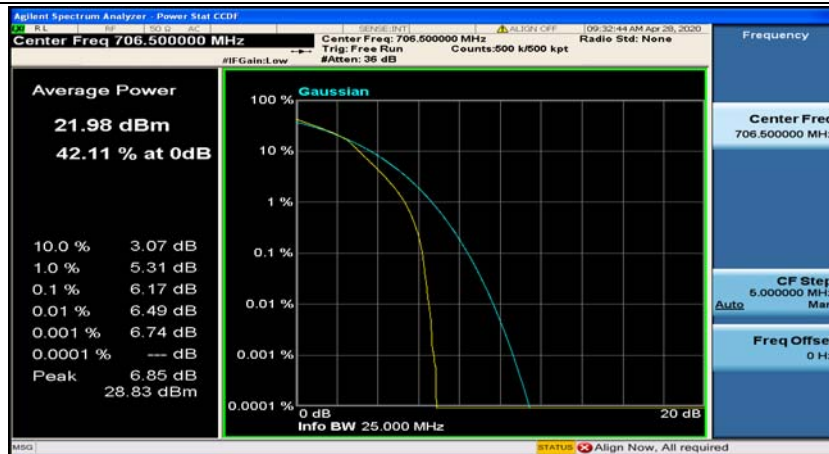
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



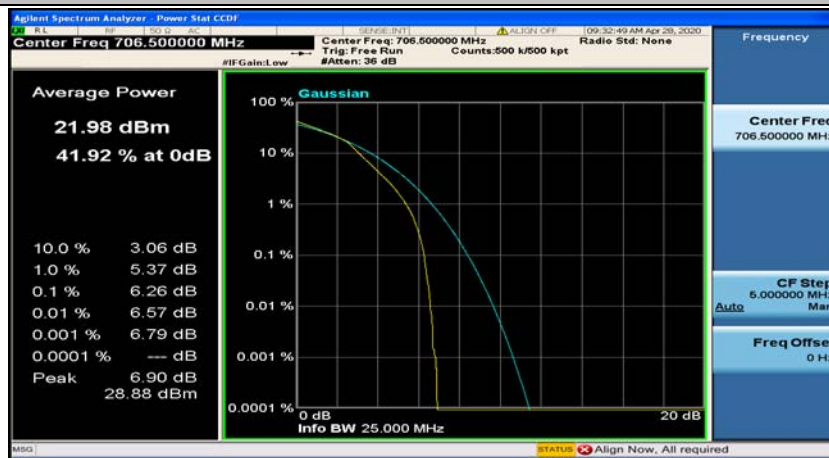
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



(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



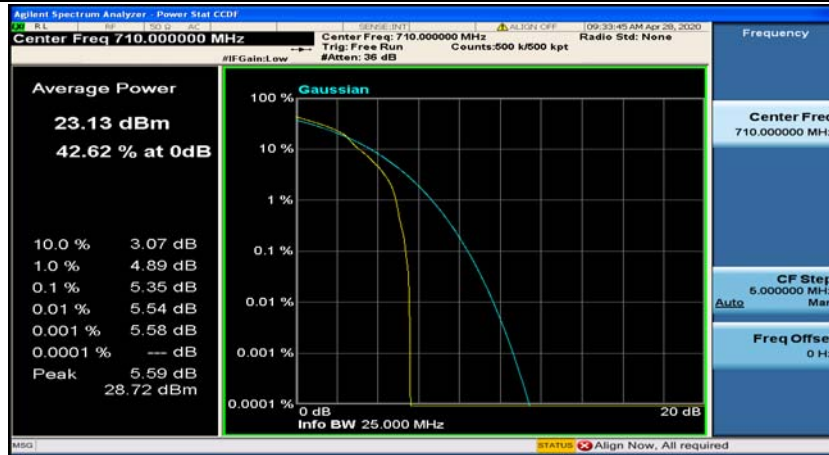
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



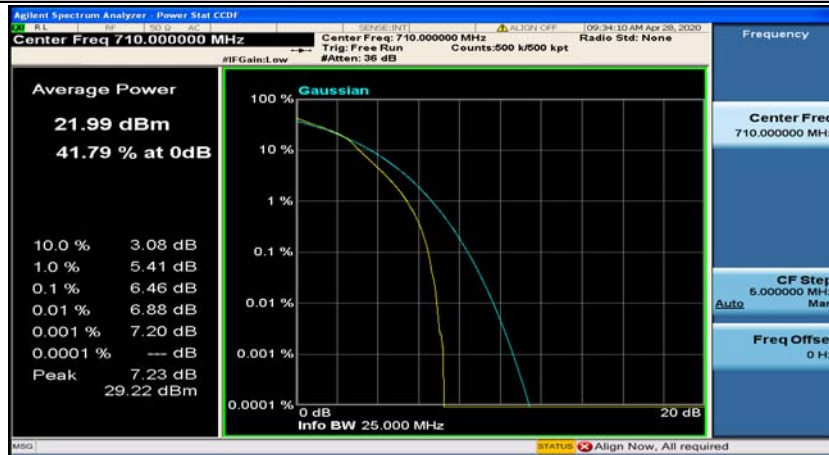
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



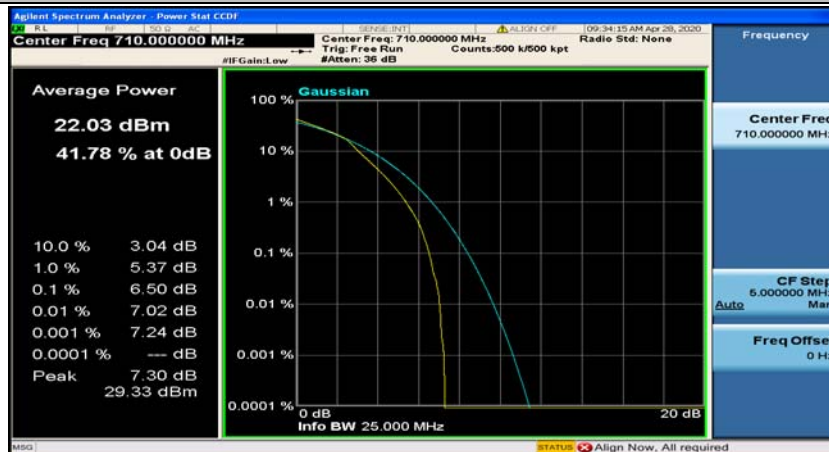
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_MCH_16QAM_12RB#13



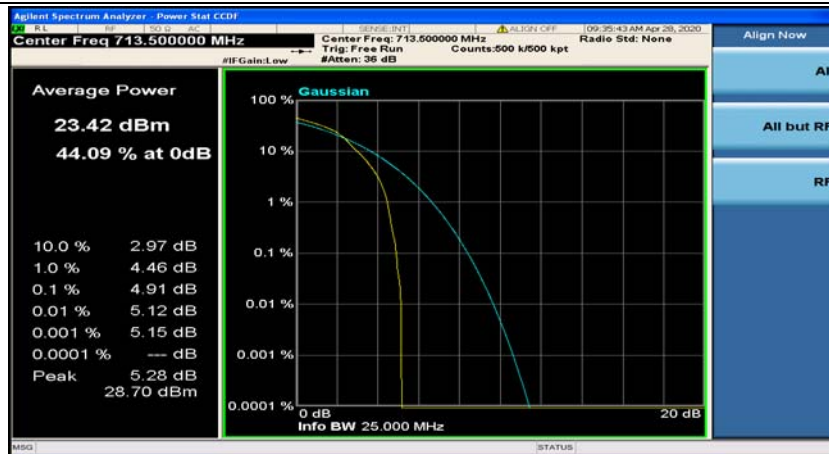
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



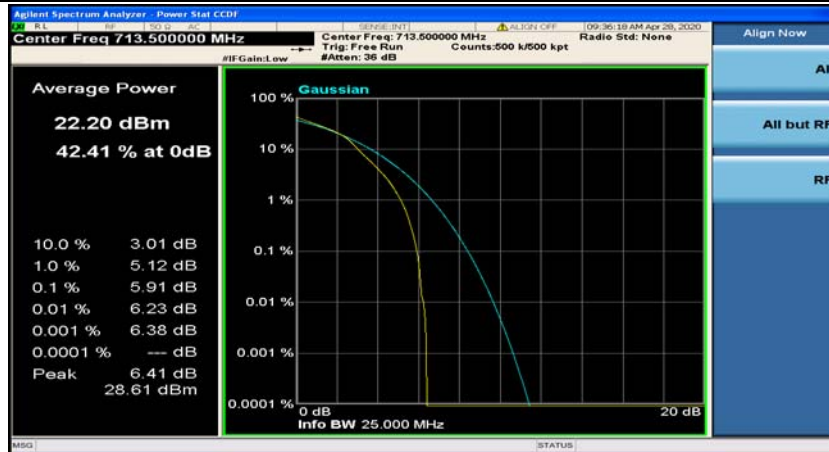
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0

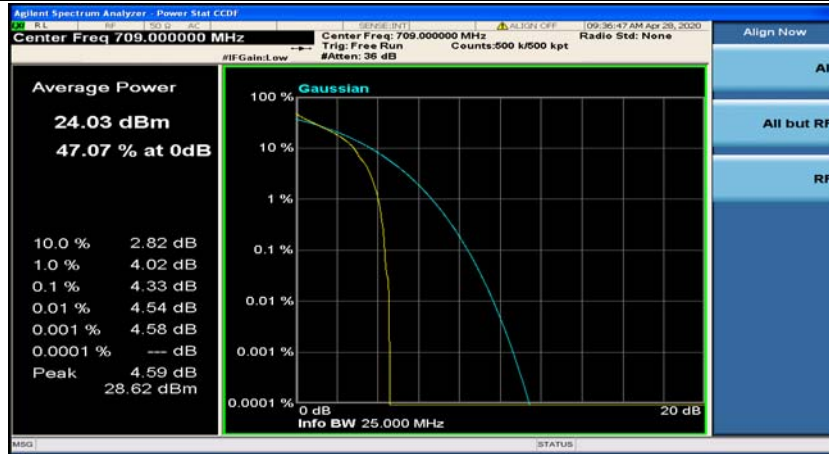


(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6

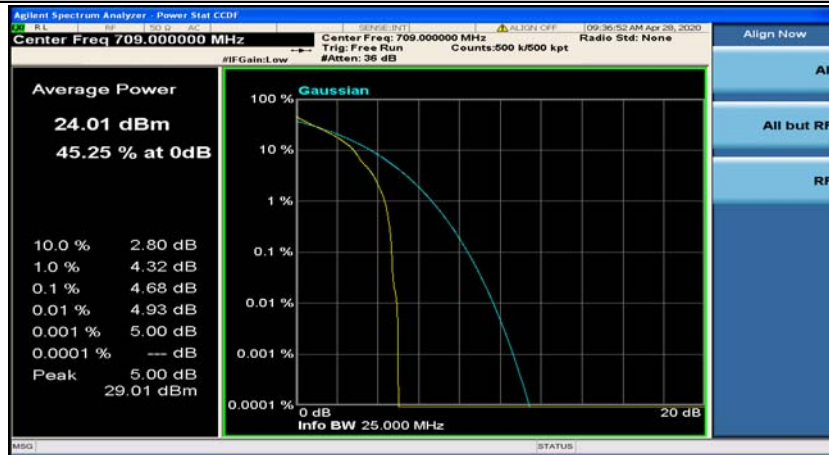


Channel Bandwidth: 10 MHz

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





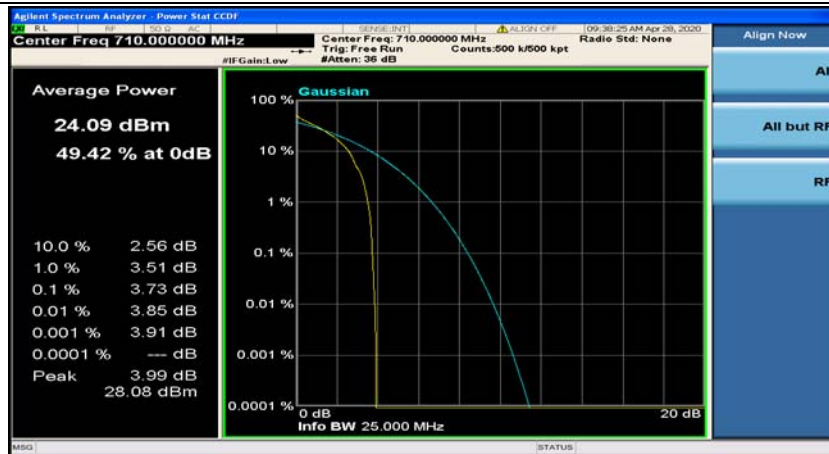
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49



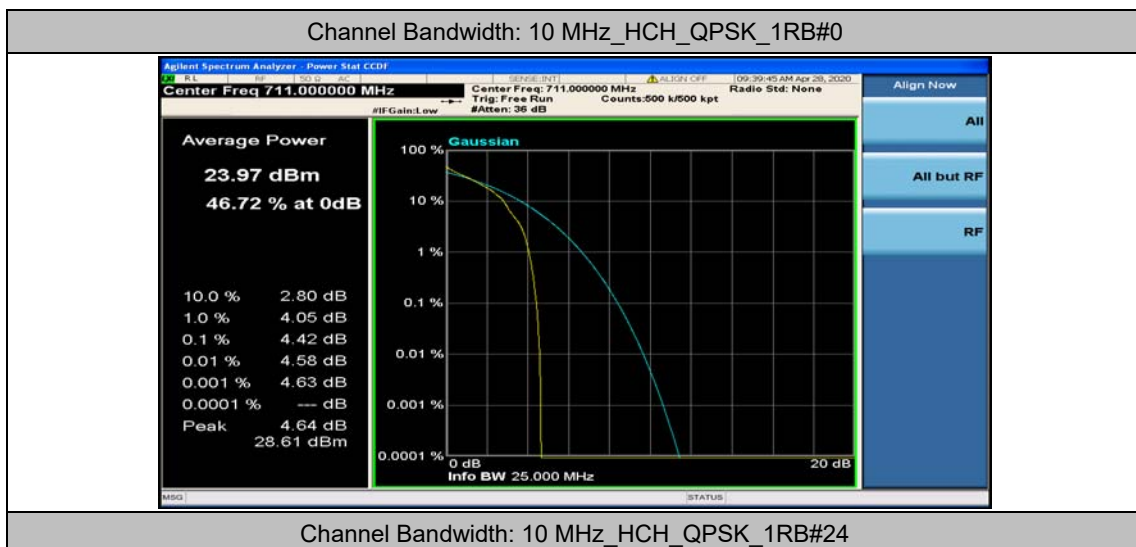
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#0

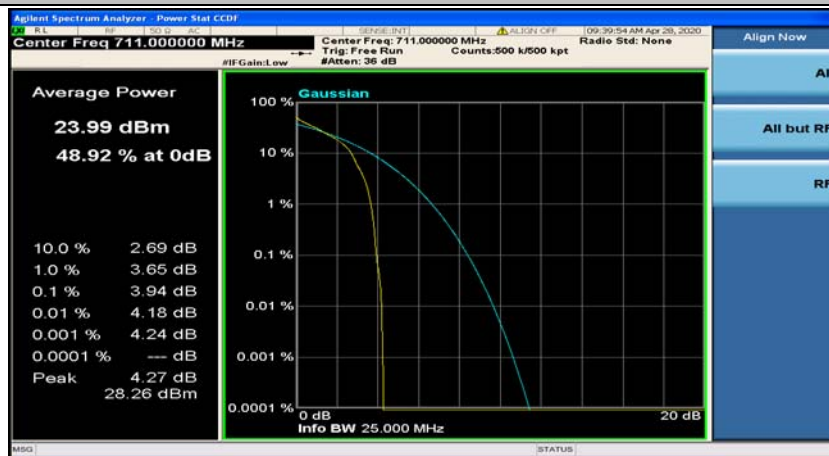


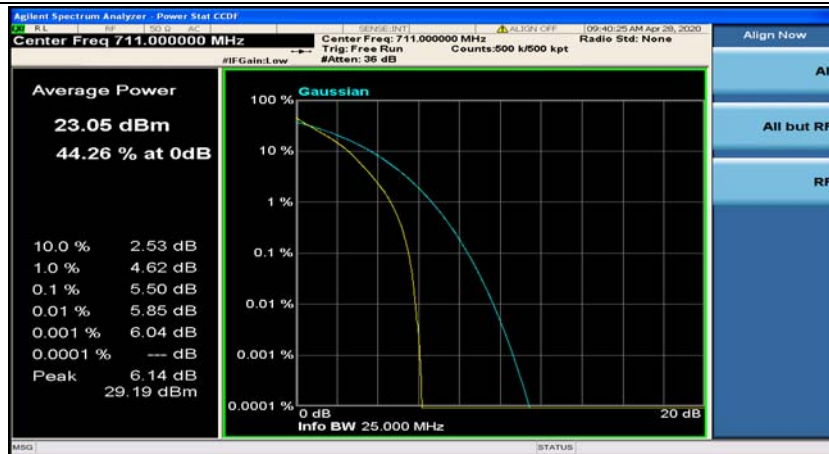
Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_MCH_QPSK_25RB#25







Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



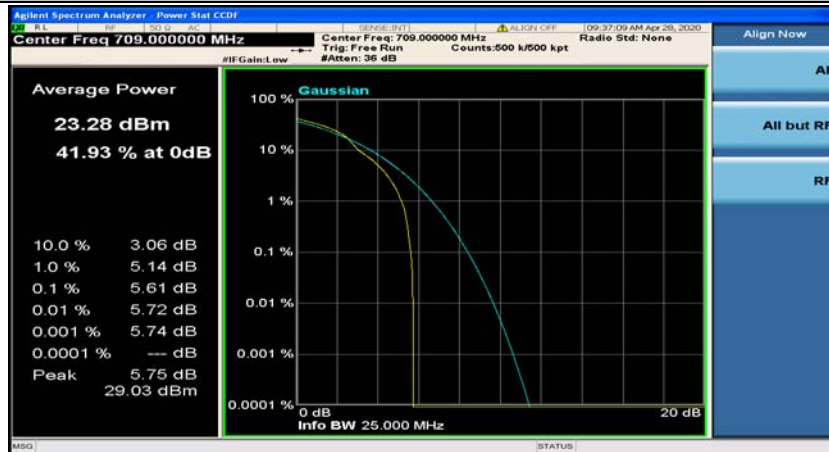
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Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0





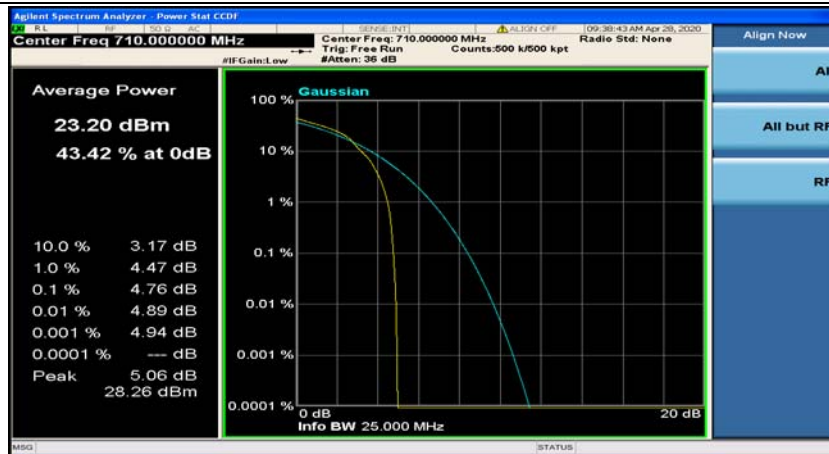
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#49



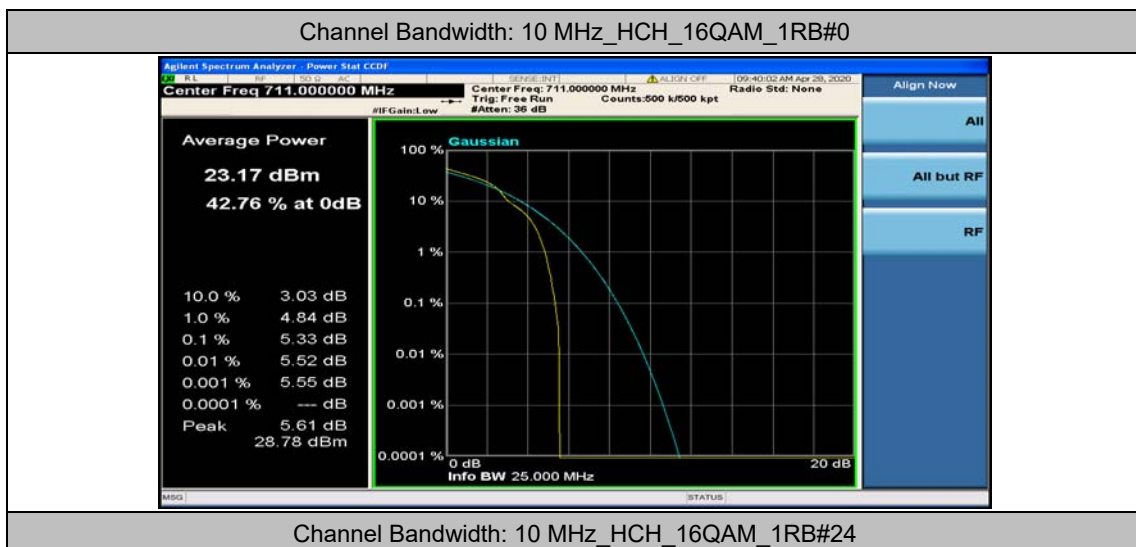
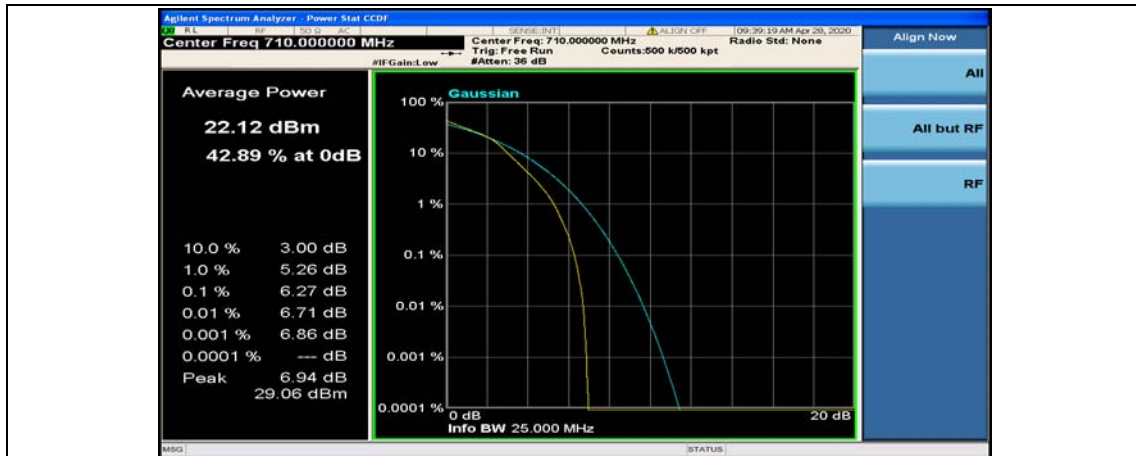
Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#0

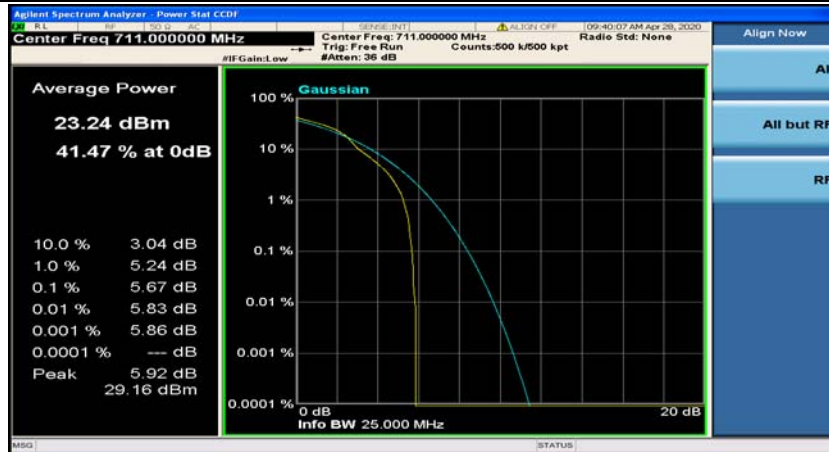


Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_MCH_16QAM_25RB#25







Channel Bandwidth: 10 MHz_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	4.4829	4.793	PASS
	MCH	25	0	4.4813	4.811	PASS
	HCH	25	0	4.4721	4.822	PASS
16QAM	LCH	25	0	4.4848	4.850	PASS
	MCH	25	0	4.4851	4.838	PASS
	HCH	25	0	4.4779	4.794	PASS

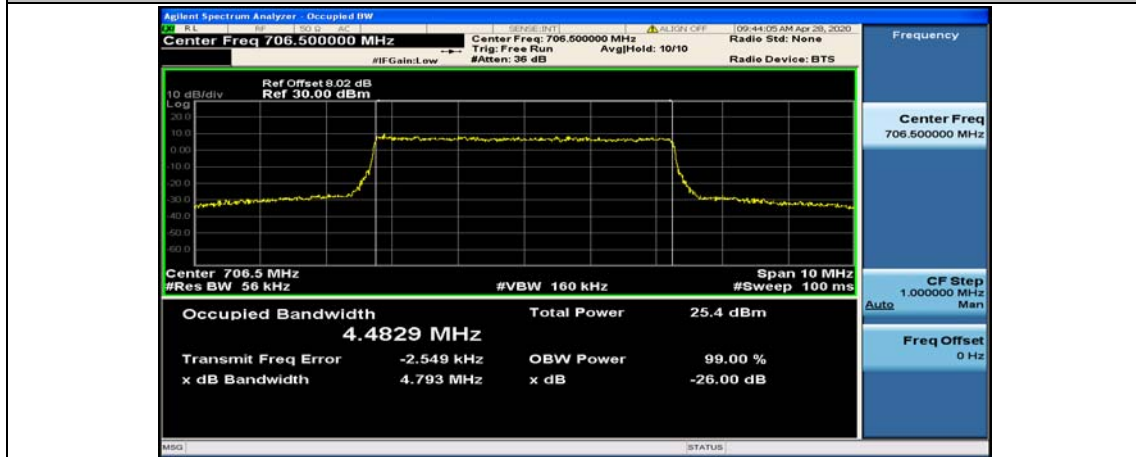
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9651	9.467	PASS
	MCH	50	0	8.9351	9.450	PASS
	HCH	50	0	8.9440	9.474	PASS
16QAM	LCH	50	0	8.9568	9.487	PASS
	MCH	50	0	8.9478	9.516	PASS
	HCH	50	0	8.9270	9.498	PASS

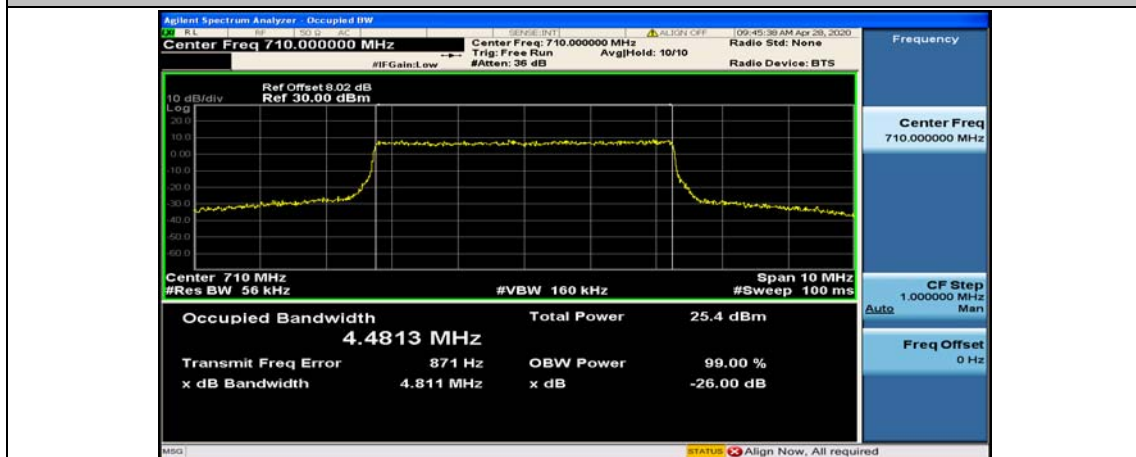
Test Graphs

Channel Bandwidth: 5 MHz

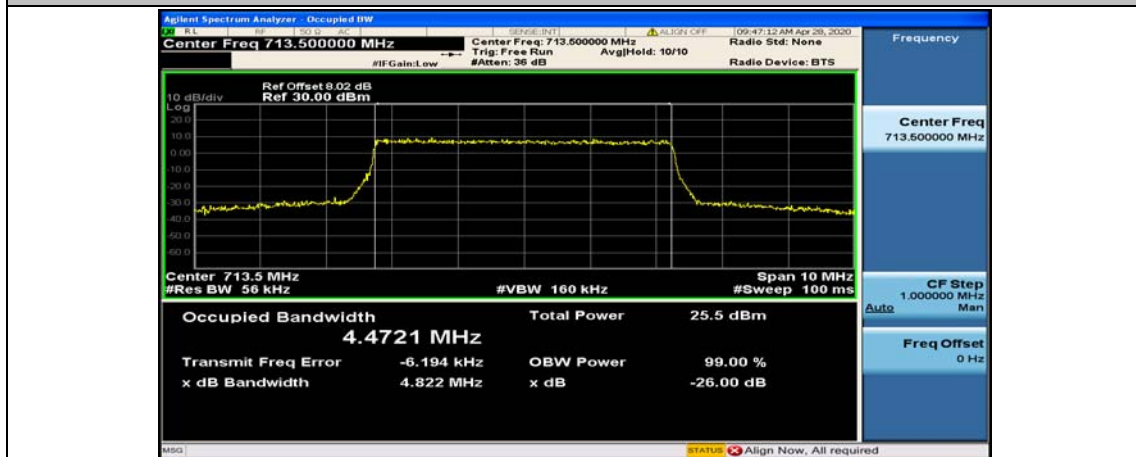
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



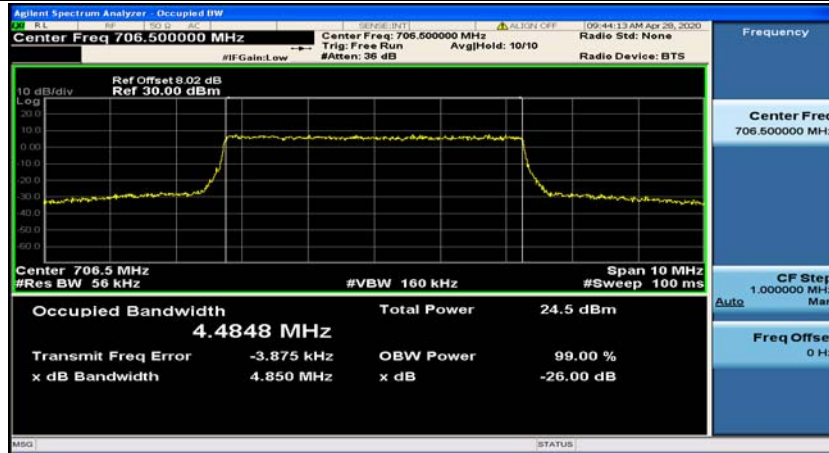
(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0



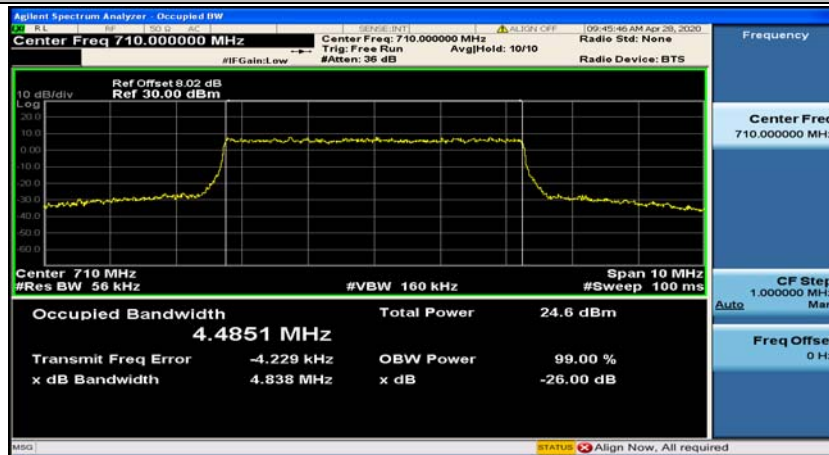
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



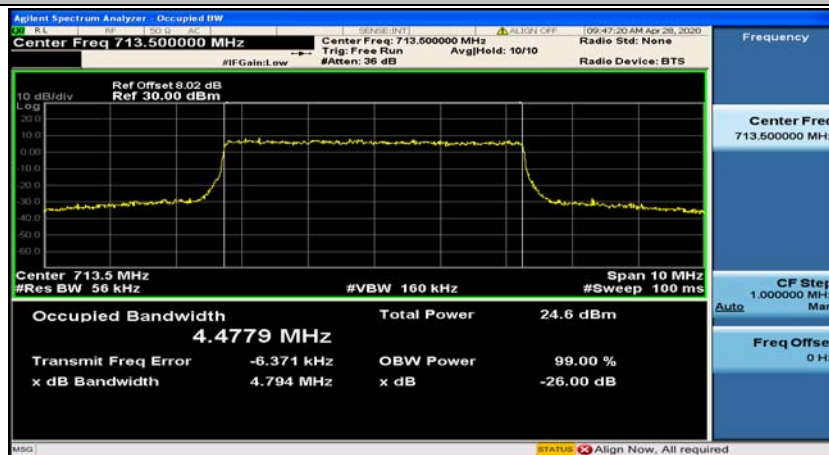
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

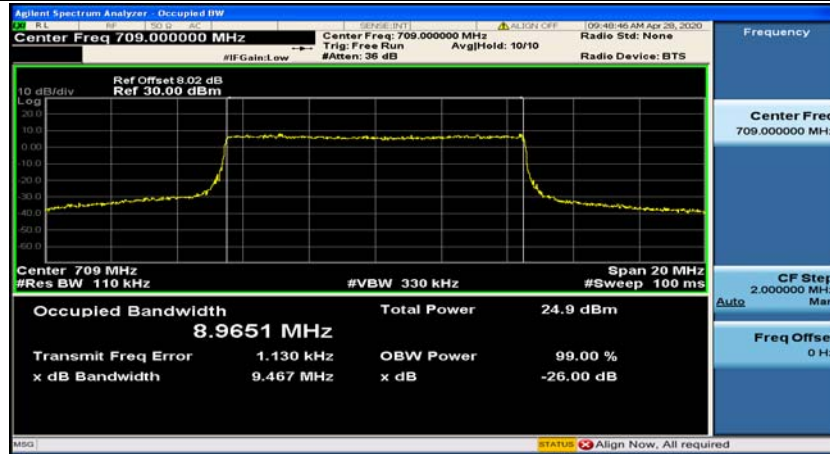


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

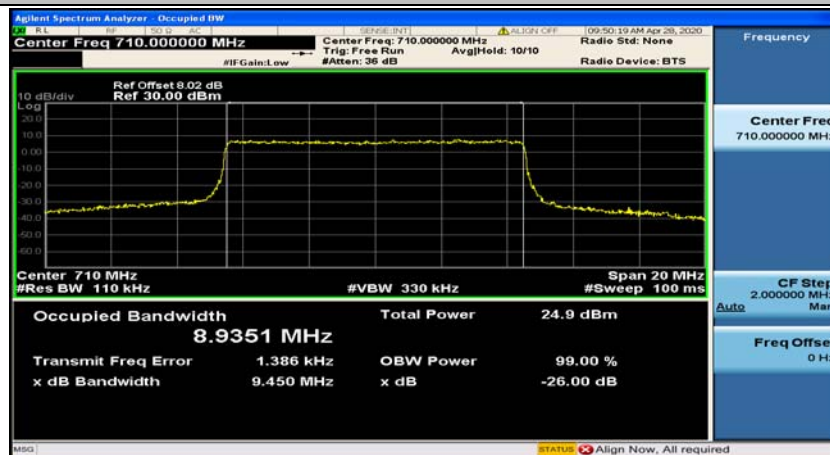


Channel Bandwidth: 10 MHz

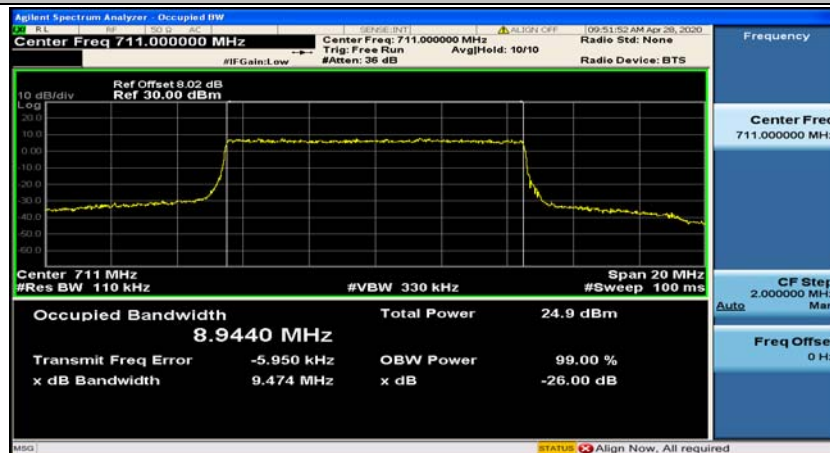
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



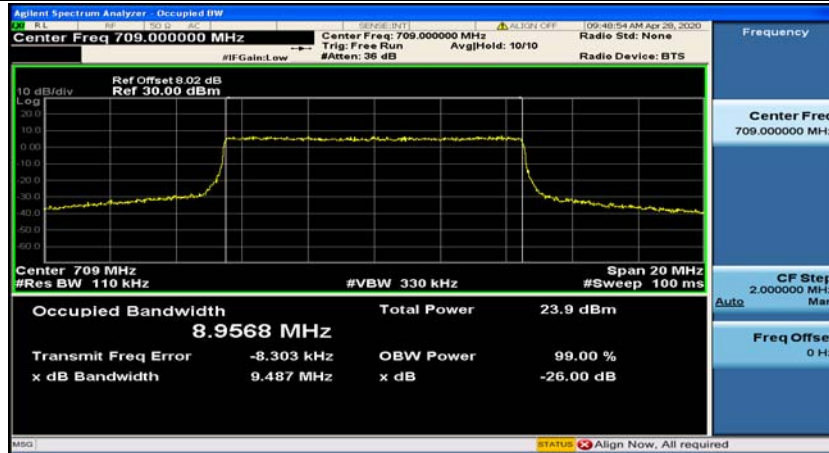
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



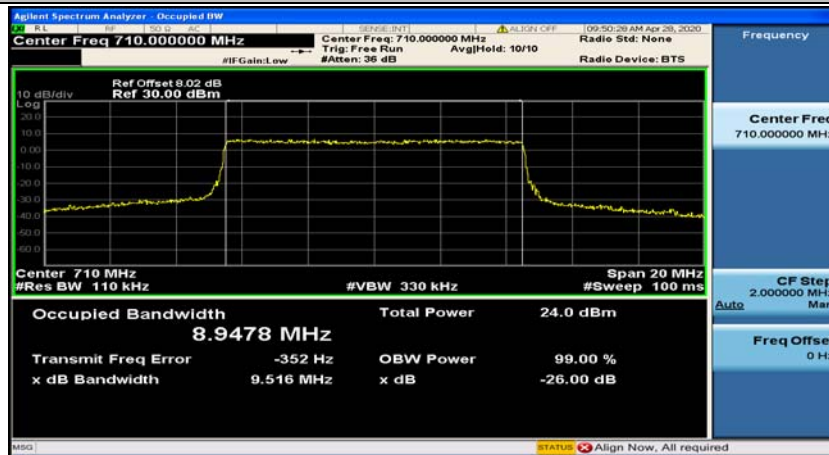
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



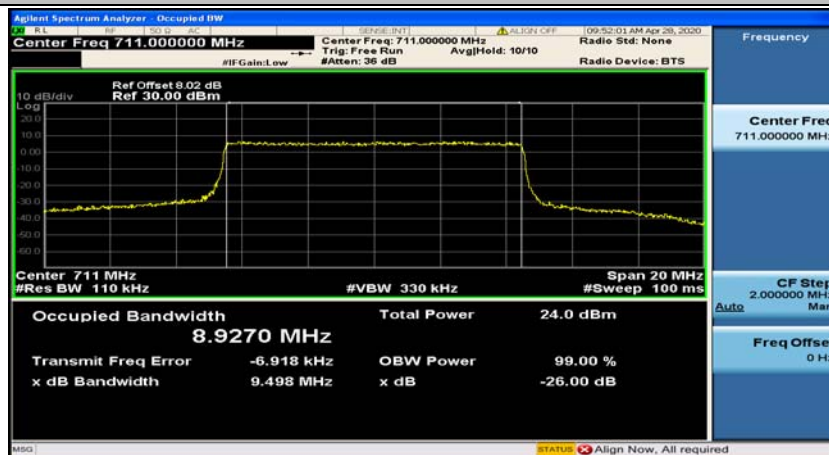
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



Appendix D: Band Edge

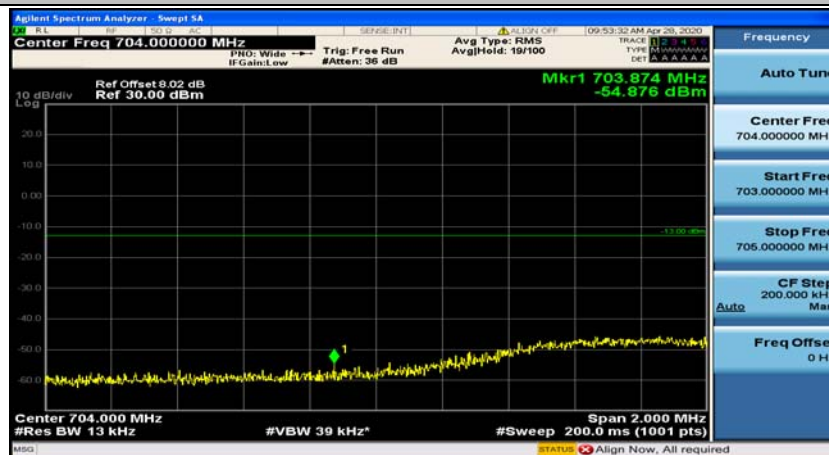
Test Graphs

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



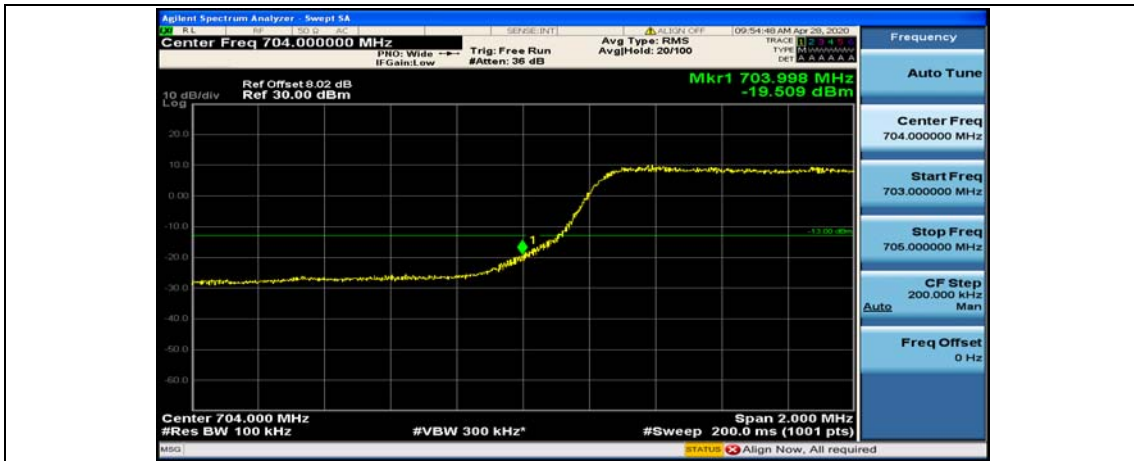
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6



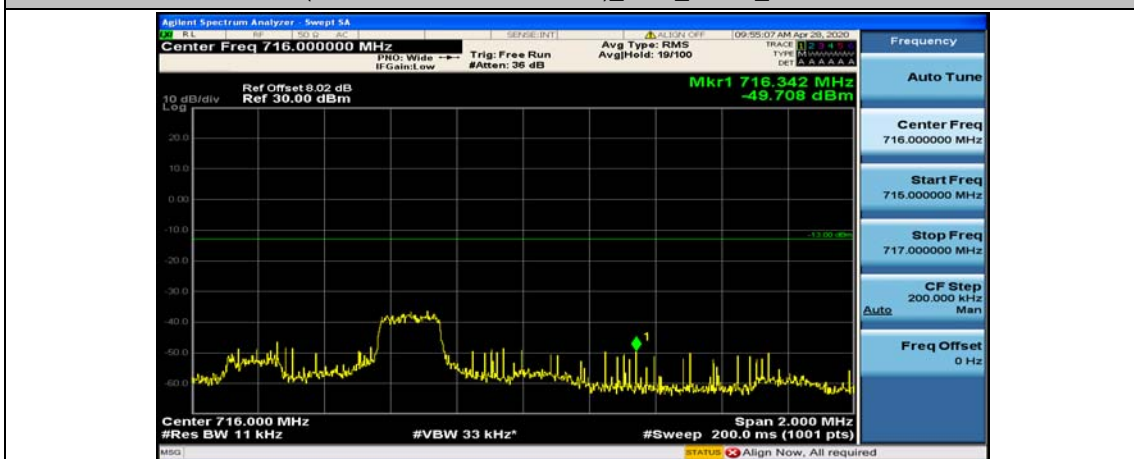
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13



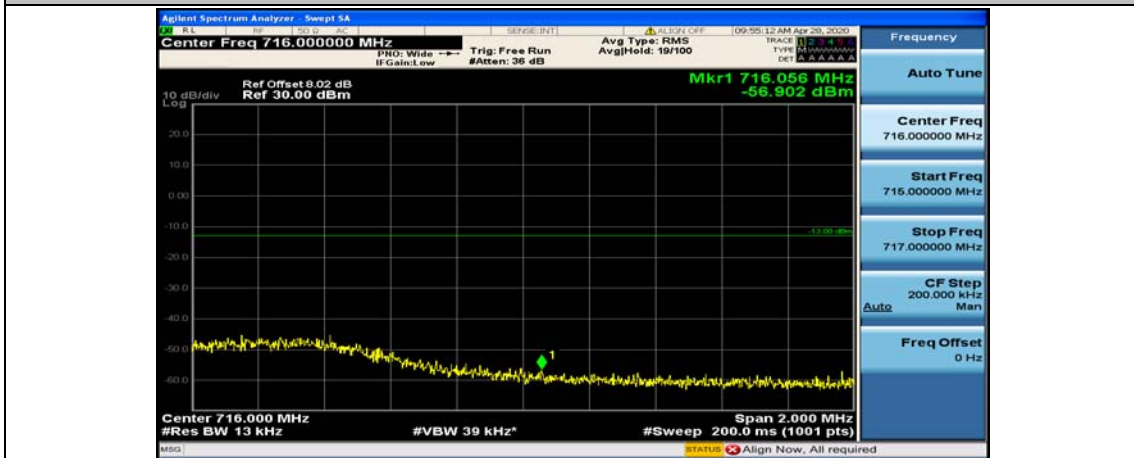
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



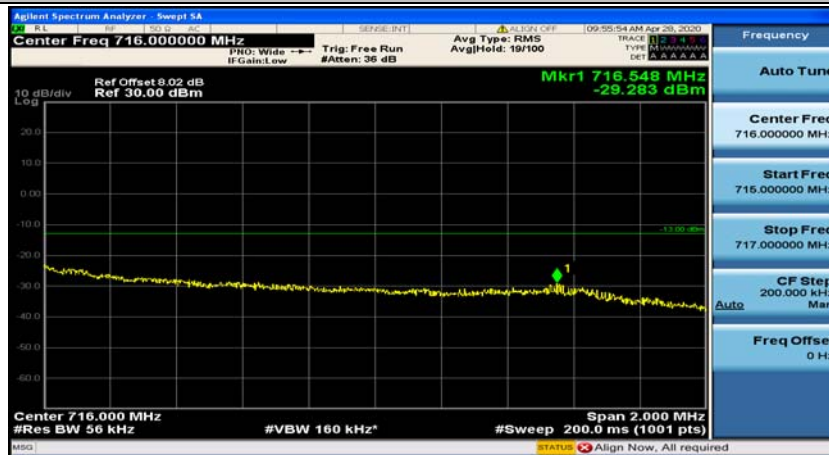
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#0



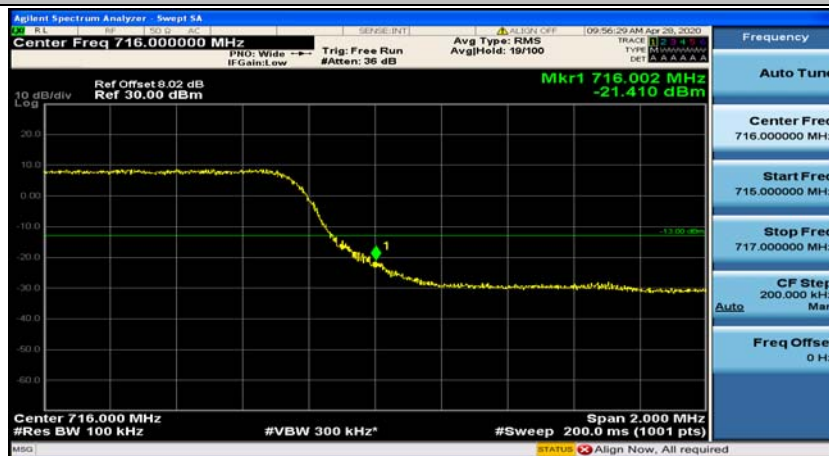
(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6



(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13



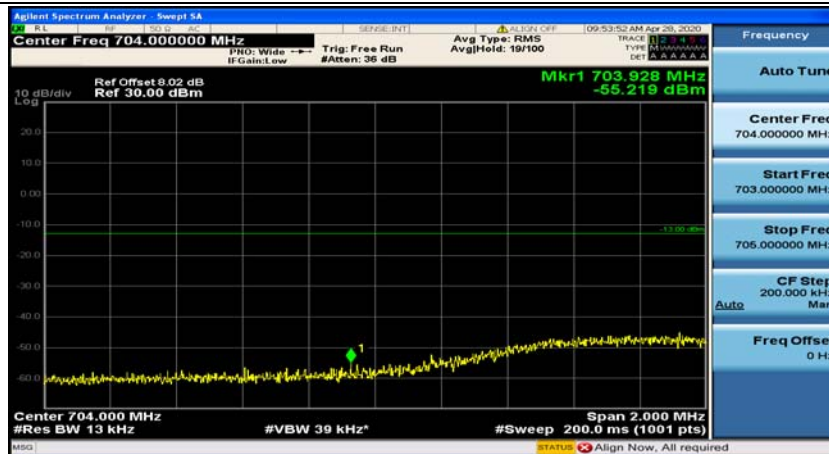
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



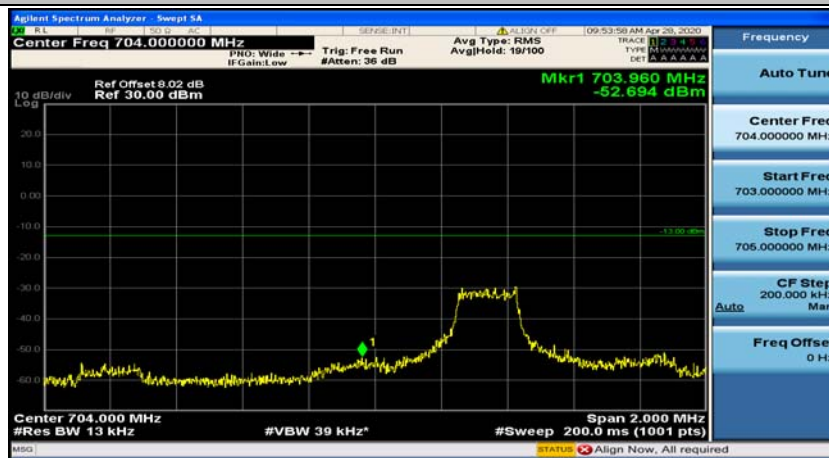
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12



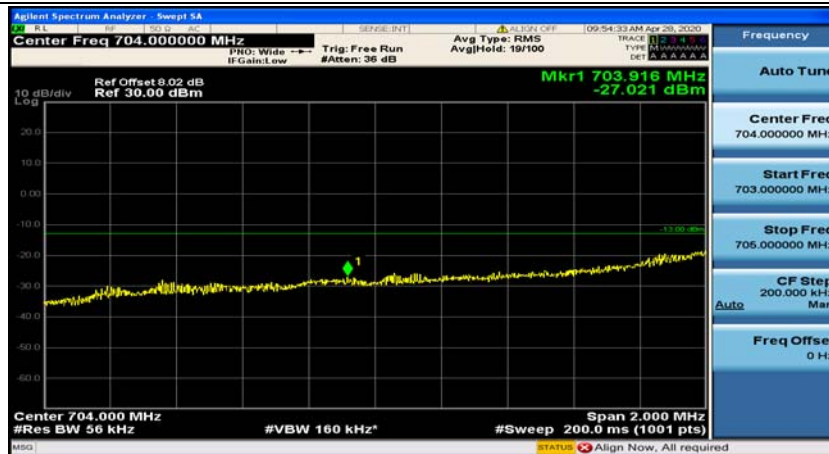
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24



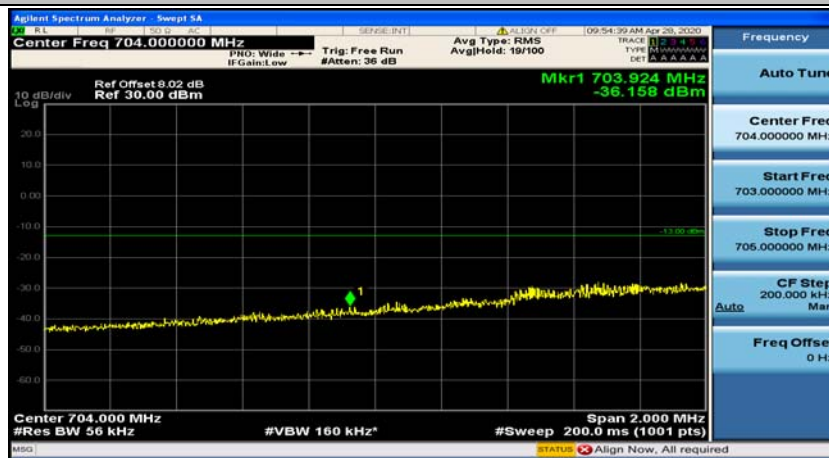
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6



(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



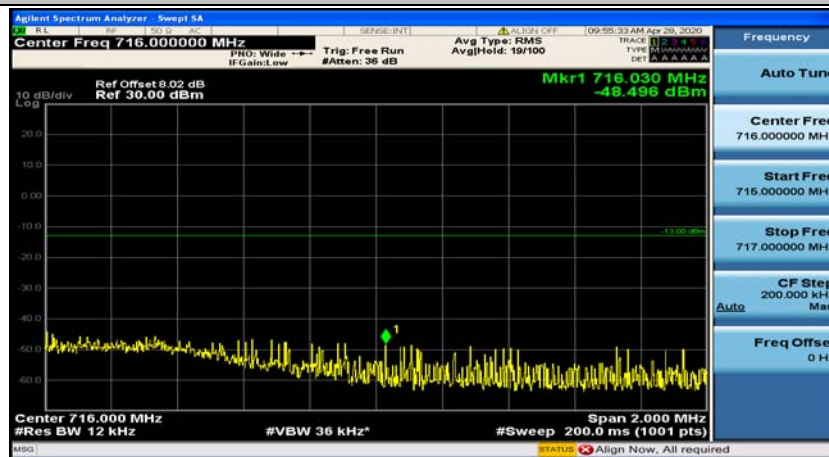
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



(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



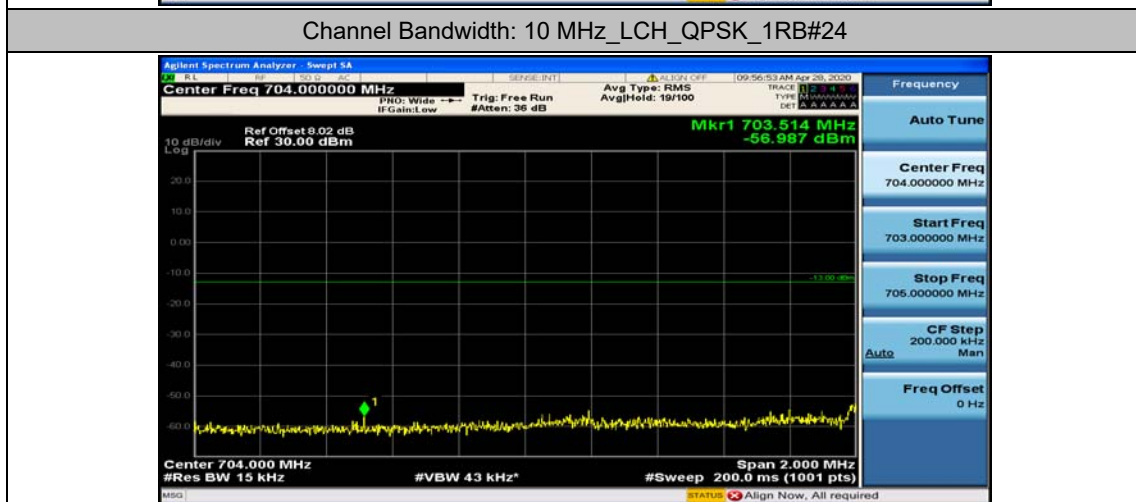
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

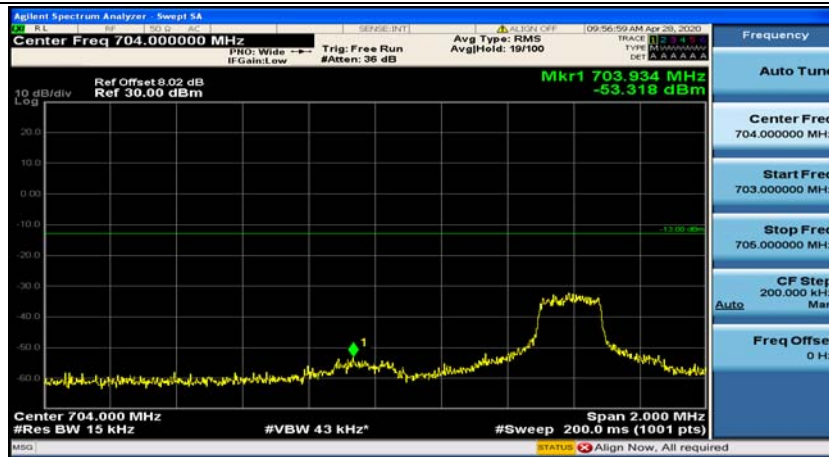


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz

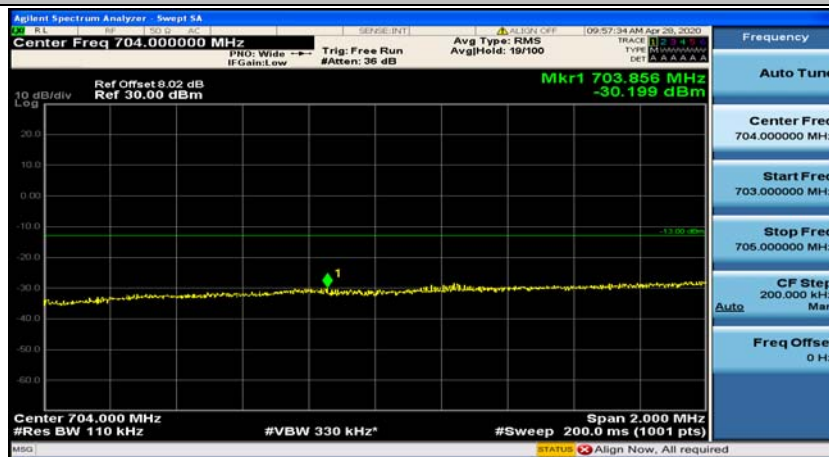




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25