

Appendix C.1: Effective (Isotropic) Radiated Power Output

Data

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.26	23.26	PASS
		1	3	23.29	23.29	PASS
		1	5	23.37	23.37	PASS
		3	0	23.16	23.16	PASS
		3	2	23.16	23.16	PASS
		3	3	23.18	23.18	PASS
		6	0	22.26	22.26	PASS
	MCH	1	0	22.95	22.95	PASS
		1	3	22.90	22.90	PASS
		1	5	22.87	22.87	PASS
		3	0	22.96	22.96	PASS
		3	2	22.86	22.86	PASS
		3	3	22.87	22.87	PASS
		6	0	21.97	21.97	PASS
	HCH	1	0	22.72	22.72	PASS
		1	3	22.73	22.73	PASS
		1	5	22.79	22.79	PASS
		3	0	22.77	22.77	PASS
		3	2	22.76	22.76	PASS
		3	3	22.77	22.77	PASS
		6	0	21.79	21.79	PASS
16QAM	LCH	1	0	22.29	22.29	PASS
		1	3	22.39	22.39	PASS
		1	5	22.39	22.39	PASS
		3	0	22.19	22.19	PASS
		3	2	22.16	22.16	PASS
		3	3	22.19	22.19	PASS
		6	0	20.93	20.93	PASS
	MCH	1	0	22.23	22.23	PASS
		1	3	22.23	22.23	PASS
		1	5	22.15	22.15	PASS
		3	0	21.88	21.88	PASS

		3	2	21.83	21.83	PASS
		3	3	21.84	21.84	PASS
		6	0	20.88	20.88	PASS
	HCH	1	0	21.97	21.97	PASS
		1	3	22.03	22.03	PASS
		1	5	22.02	22.02	PASS
		3	0	21.79	21.79	PASS
		3	2	21.78	21.78	PASS
		3	3	21.82	21.82	PASS
		6	0	20.89	20.89	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Configuration				
		Size	Offset			
QPSK	LCH	1	0	23.10	23.10	PASS
		1	7	23.24	23.24	PASS
		1	14	23.26	23.26	PASS
		8	0	22.30	22.30	PASS
		8	4	22.33	22.33	PASS
		8	7	22.36	22.36	PASS
		15	0	22.26	22.26	PASS
	MCH	1	0	22.95	22.95	PASS
		1	7	22.87	22.87	PASS
		1	14	22.73	22.73	PASS
		8	0	22.01	22.01	PASS
		8	4	21.94	21.94	PASS
		8	7	21.90	21.90	PASS
		15	0	21.91	21.91	PASS
	HCH	1	0	22.65	22.65	PASS
		1	7	22.74	22.74	PASS
		1	14	22.72	22.72	PASS
		8	0	21.75	21.75	PASS
		8	4	21.74	21.74	PASS
		8	7	21.77	21.77	PASS
		15	0	21.73	21.73	PASS
16QAM	LCH	1	0	22.23	22.23	PASS
		1	7	22.36	22.36	PASS
		1	14	22.41	22.41	PASS
		8	0	21.25	21.25	PASS
		8	4	21.31	21.31	PASS

		8	7	21.32	21.32	PASS
		15	0	21.16	21.16	PASS
	MCH	1	0	22.17	22.17	PASS
		1	7	22.08	22.08	PASS
		1	14	21.95	21.95	PASS
		8	0	21.02	21.02	PASS
		8	4	20.99	20.99	PASS
		8	7	20.91	20.91	PASS
		15	0	20.89	20.89	PASS
		HCH	1	0	22.00	22.00
	1		7	22.09	22.09	PASS
	1		14	22.08	22.08	PASS
	8		0	20.73	20.73	PASS
	8		4	20.70	20.70	PASS
	8		7	20.75	20.75	PASS
	15		0	20.68	20.68	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.27	23.27	PASS
		1	12	23.39	23.39	PASS
		1	24	23.33	23.33	PASS
		12	0	22.32	22.32	PASS
		12	6	22.39	22.39	PASS
		12	13	22.42	22.42	PASS
		25	0	22.30	22.30	PASS
	MCH	1	0	23.17	23.17	PASS
		1	12	22.96	22.96	PASS
		1	24	22.74	22.74	PASS
		12	0	22.11	22.11	PASS
		12	6	21.99	21.99	PASS
		12	13	21.90	21.90	PASS
		25	0	21.95	21.95	PASS
	HCH	1	0	22.66	22.66	PASS
		1	12	22.76	22.76	PASS
		1	24	22.81	22.81	PASS
		12	0	21.72	21.72	PASS
		12	6	21.76	21.76	PASS
		12	13	21.78	21.78	PASS
		25	0	21.73	21.73	PASS

16QAM	LCH	1	0	22.45	22.45	PASS
		1	12	22.60	22.60	PASS
		1	24	22.63	22.63	PASS
		12	0	21.35	21.35	PASS
		12	6	21.44	21.44	PASS
		12	13	21.49	21.49	PASS
		25	0	21.30	21.30	PASS
	MCH	1	0	22.46	22.46	PASS
		1	12	22.24	22.24	PASS
		1	24	22.07	22.07	PASS
		12	0	21.20	21.20	PASS
		12	6	21.09	21.09	PASS
		12	13	21.00	21.00	PASS
		25	0	20.98	20.98	PASS
	HCH	1	0	21.67	21.67	PASS
		1	12	21.81	21.81	PASS
		1	24	21.79	21.79	PASS
		12	0	20.75	20.75	PASS
		12	6	20.79	20.79	PASS
		12	13	20.81	20.81	PASS
		25	0	20.74	20.74	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	23.29	23.29	PASS
		1	24	23.38	23.38	PASS
		1	49	23.19	23.19	PASS
		25	0	22.36	22.36	PASS
		25	12	22.41	22.41	PASS
		25	25	22.37	22.37	PASS
		50	0	22.38	22.38	PASS
	MCH	1	0	23.31	23.31	PASS
		1	24	22.94	22.94	PASS
		1	49	22.59	22.59	PASS
		25	0	22.18	22.18	PASS
		25	12	21.98	21.98	PASS
		25	25	21.83	21.83	PASS
		50	0	21.98	21.98	PASS
	HCH	1	0	22.72	22.72	PASS
		1	24	22.61	22.61	PASS

		1	49	22.76	22.76	PASS
		25	0	21.65	21.65	PASS
		25	12	21.63	21.63	PASS
		25	25	21.71	21.71	PASS
		50	0	21.66	21.66	PASS
16QAM	LCH	1	0	22.39	22.39	PASS
		1	24	22.61	22.61	PASS
		1	49	22.39	22.39	PASS
		25	0	21.35	21.35	PASS
		25	12	21.42	21.42	PASS
		25	25	21.36	21.36	PASS
		50	0	21.36	21.36	PASS
	MCH	1	0	22.56	22.56	PASS
		1	24	22.16	22.16	PASS
		1	49	21.87	21.87	PASS
		25	0	21.16	21.16	PASS
		25	12	20.98	20.98	PASS
		25	25	20.84	20.84	PASS
		50	0	20.98	20.98	PASS
	HCH	1	0	22.11	22.11	PASS
		1	24	22.01	22.01	PASS
		1	49	22.14	22.14	PASS
		25	0	20.68	20.68	PASS
		25	12	20.67	20.67	PASS
		25	25	20.72	20.72	PASS
		50	0	20.71	20.71	PASS

Appendix C.2: Peak-to-Average Ratio

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.45	<13	PASS
		6	0	4.55	<13	PASS
	MCH	1	0	3.75	<13	PASS
		6	0	4.85	<13	PASS
	HCH	1	0	4.36	<13	PASS
		6	0	5.14	<13	PASS
16QAM	LCH	1	0	4.39	<13	PASS
		6	0	5.4	<13	PASS
	MCH	1	0	4.8	<13	PASS
		6	0	5.68	<13	PASS
	HCH	1	0	5.36	<13	PASS
		6	0	5.97	<13	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.36	<13	PASS
		15	0	4.78	<13	PASS
	MCH	1	0	4	<13	PASS
		15	0	5.11	<13	PASS
	HCH	1	0	4.38	<13	PASS
		15	0	5.47	<13	PASS
16QAM	LCH	1	0	4.3	<13	PASS
		15	0	5.65	<13	PASS
	MCH	1	0	4.83	<13	PASS
		15	0	5.96	<13	PASS
	HCH	1	0	5.34	<13	PASS
		15	0	6.09	<13	PASS

Channel Bandwidth: 5 MHz

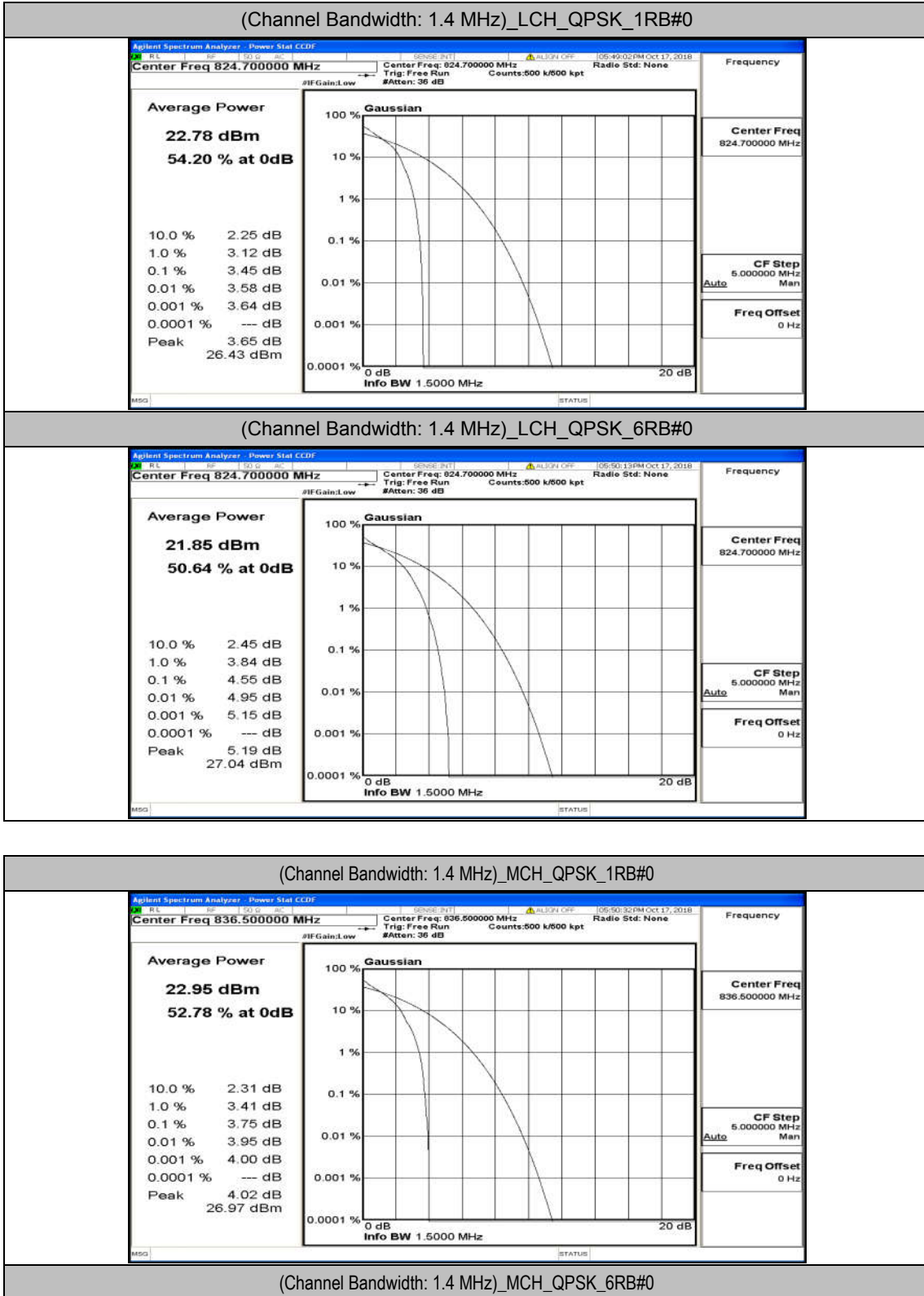
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.25	<13	PASS
		25	0	4.9	<13	PASS
	MCH	1	0	3.79	<13	PASS
		25	0	5.13	<13	PASS
	HCH	1	0	4.48	<13	PASS
		25	0	5.44	<13	PASS
16QAM	LCH	1	0	4.2	<13	PASS
		25	0	5.64	<13	PASS
	MCH	1	0	4.75	<13	PASS
		25	0	5.81	<13	PASS
	HCH	1	0	5.19	<13	PASS
		25	0	6.17	<13	PASS

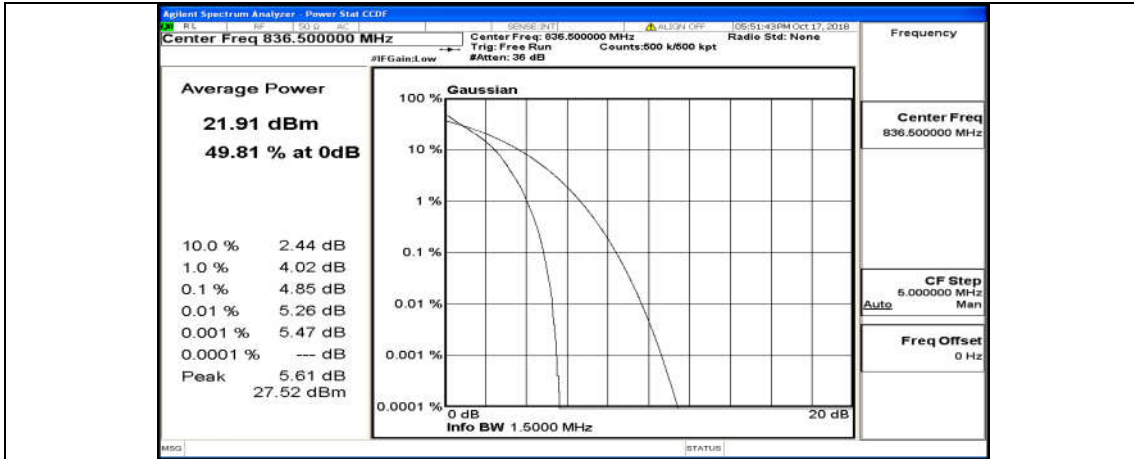
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.28	<13	PASS
		50	0	5.17	<13	PASS
	MCH	1	0	3.76	<13	PASS
		50	0	5.18	<13	PASS
	HCH	1	0	3.93	<13	PASS
		50	0	5.5	<13	PASS
16QAM	LCH	1	0	4.23	<13	PASS
		50	0	5.88	<13	PASS
	MCH	1	0	4.73	<13	PASS
		50	0	5.89	<13	PASS
	HCH	1	0	4.83	<13	PASS
		50	0	6.18	<13	PASS

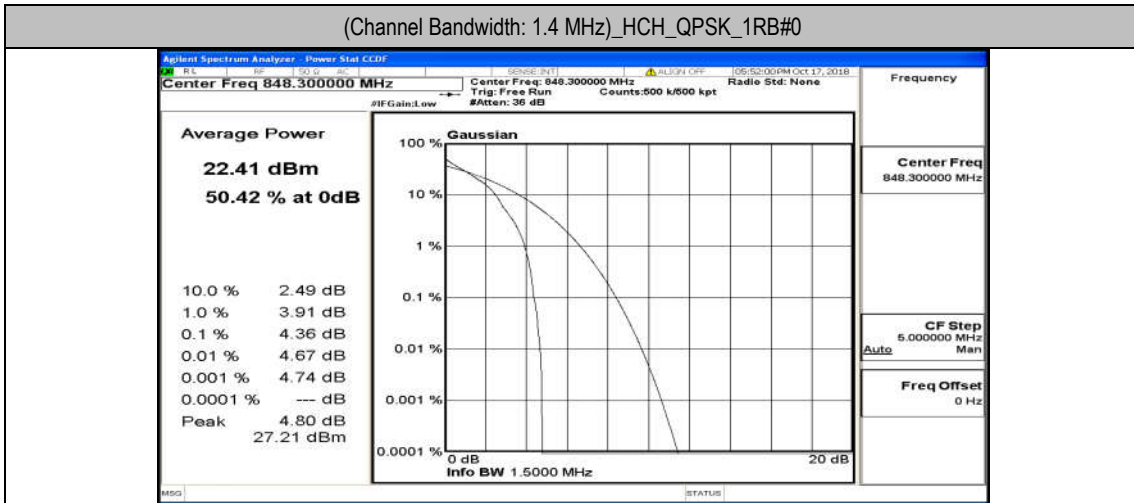
Test Graphs

Channel Bandwidth: 1.4 MHz

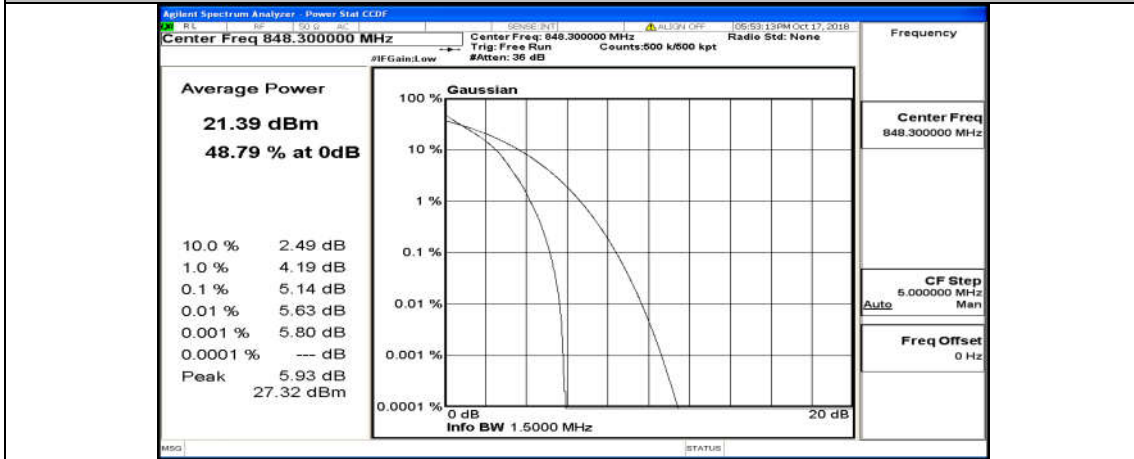




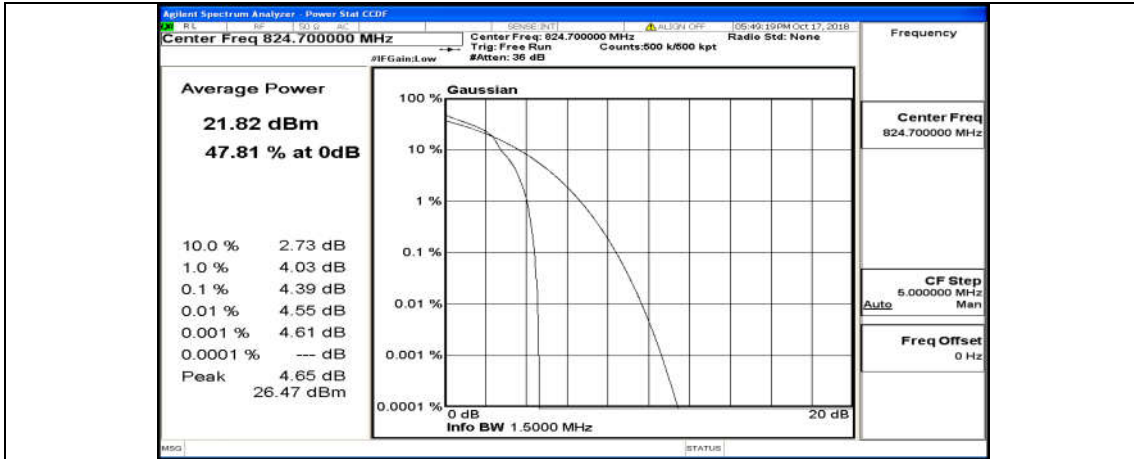
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



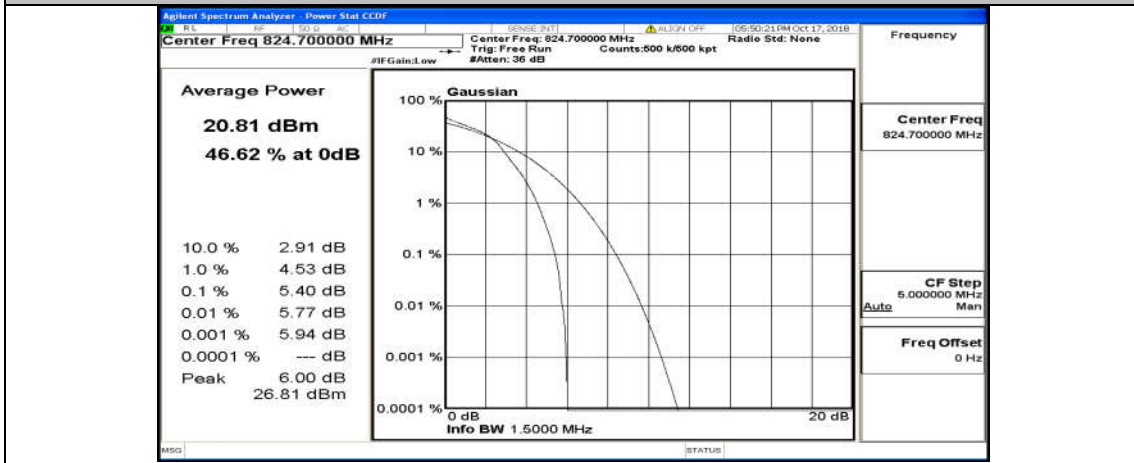
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0



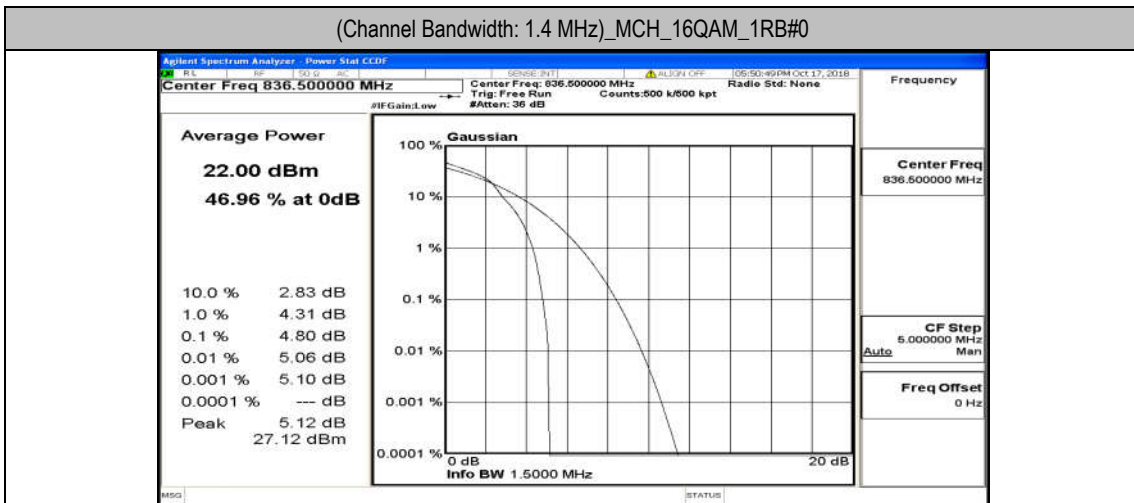
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



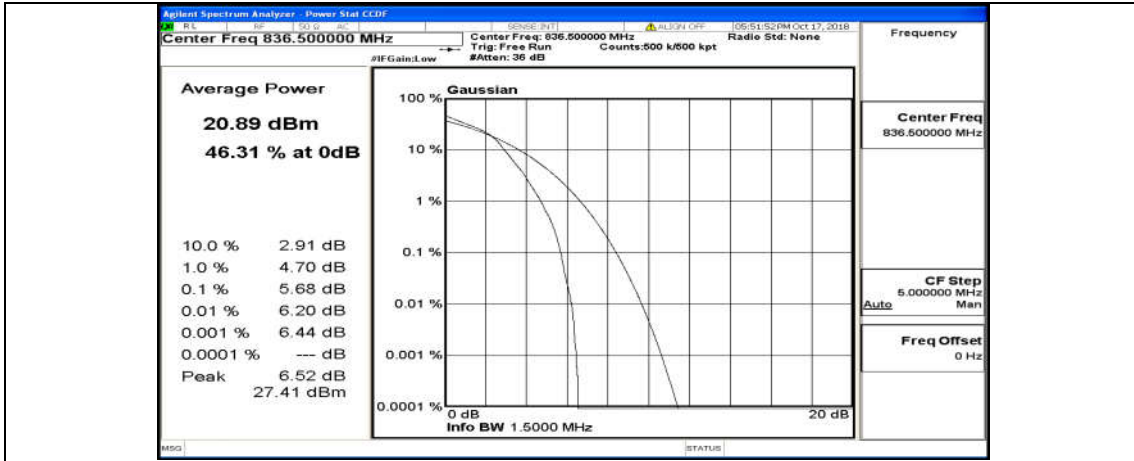
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



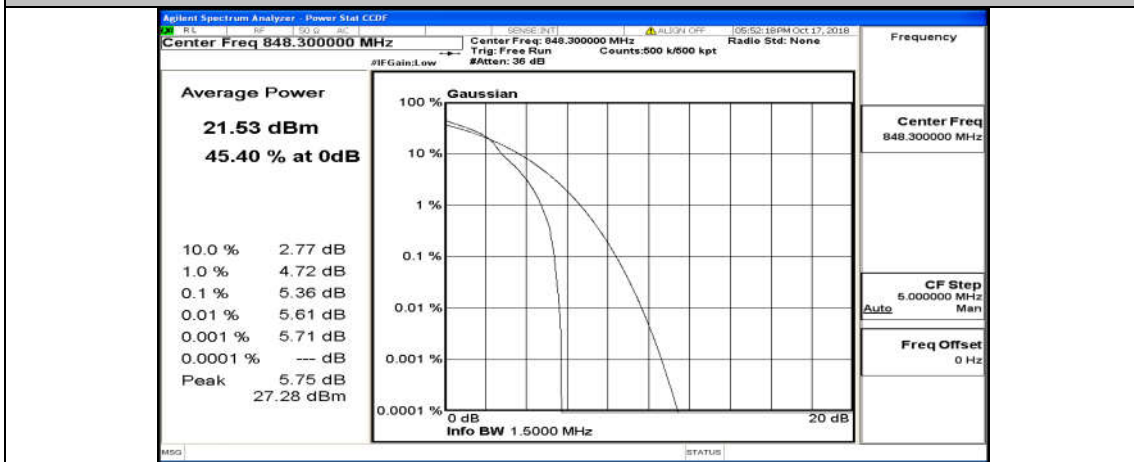
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_1RB#0



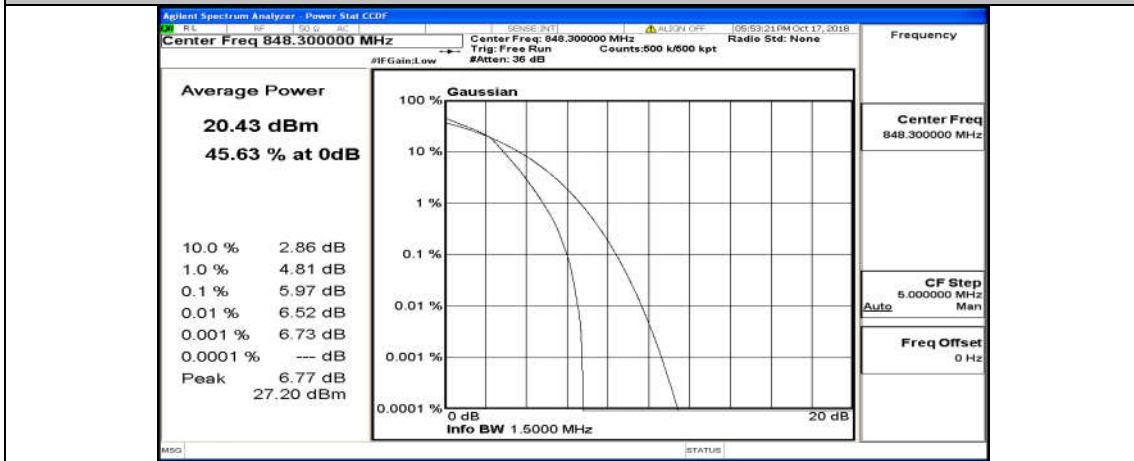
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0

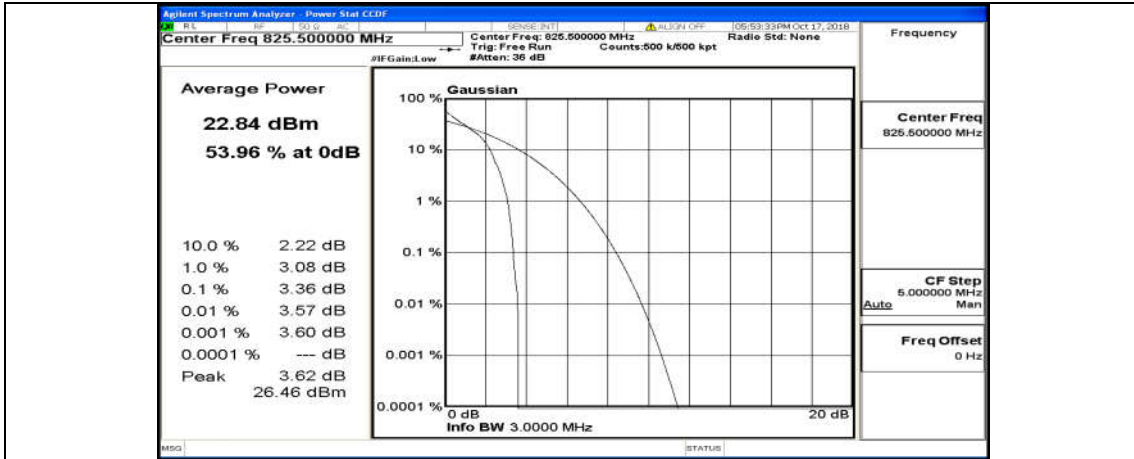


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0

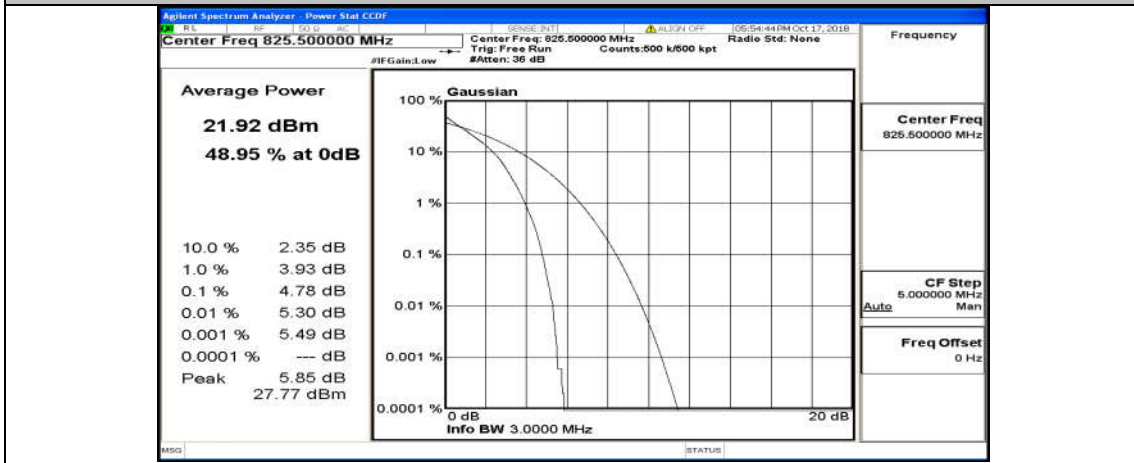


Channel Bandwidth: 3 MHz

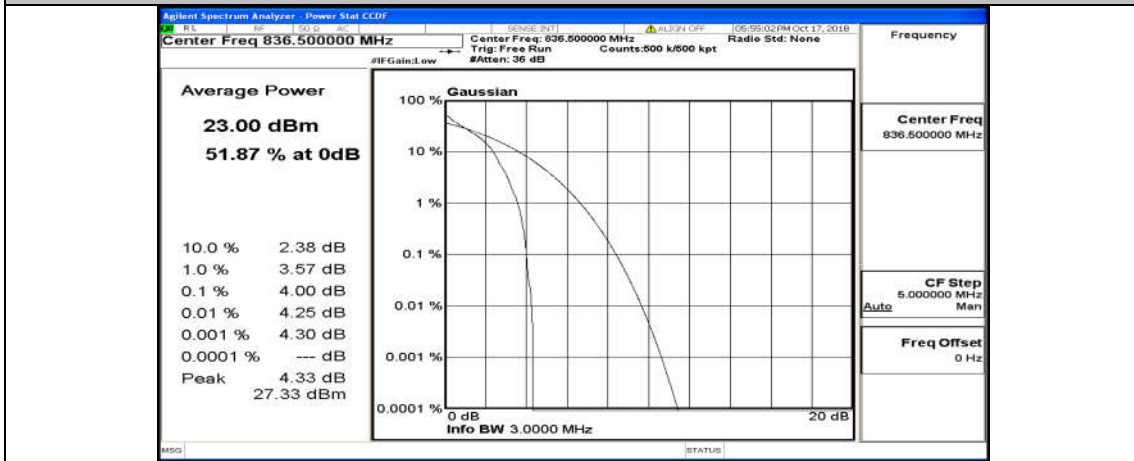
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0



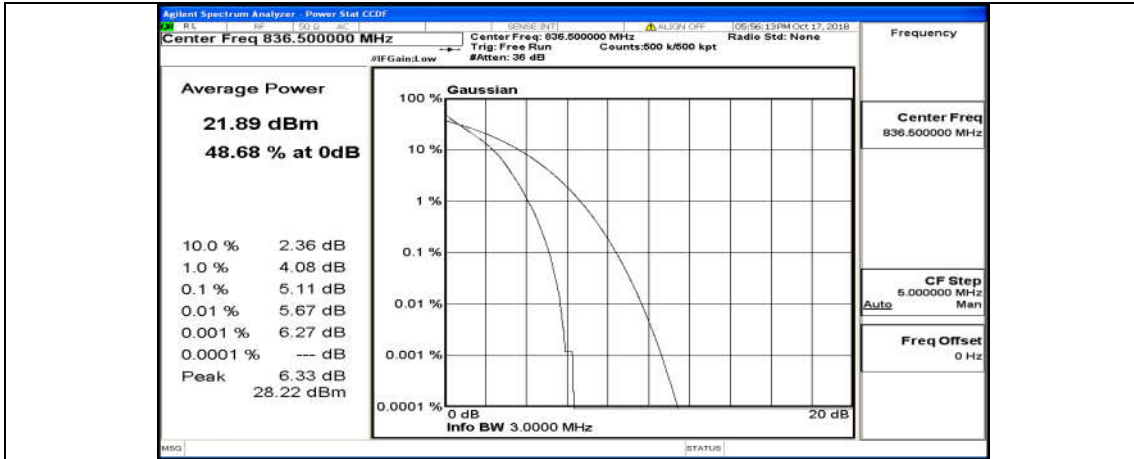
(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0



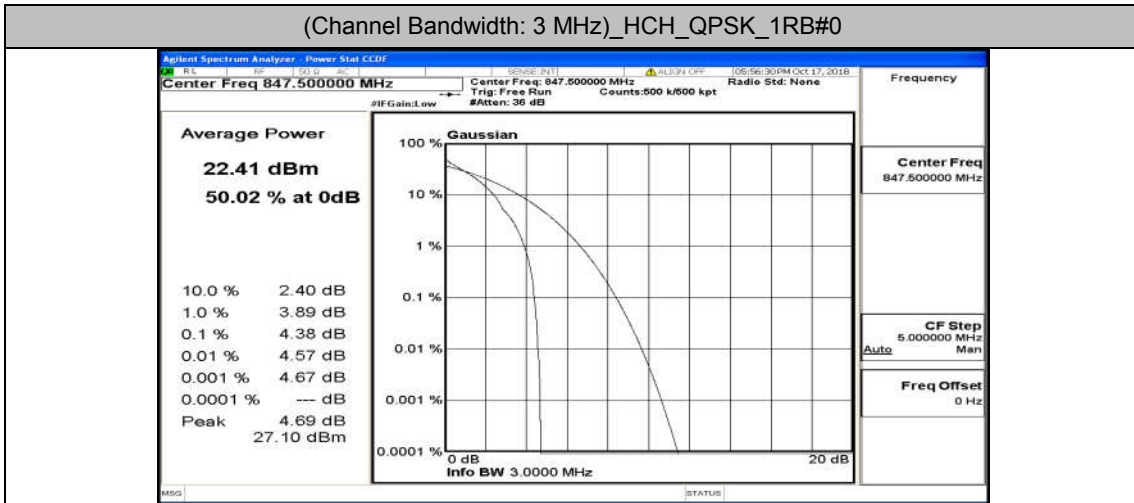
(Channel Bandwidth: 3 MHz)_MCH_QPSK_1RB#0



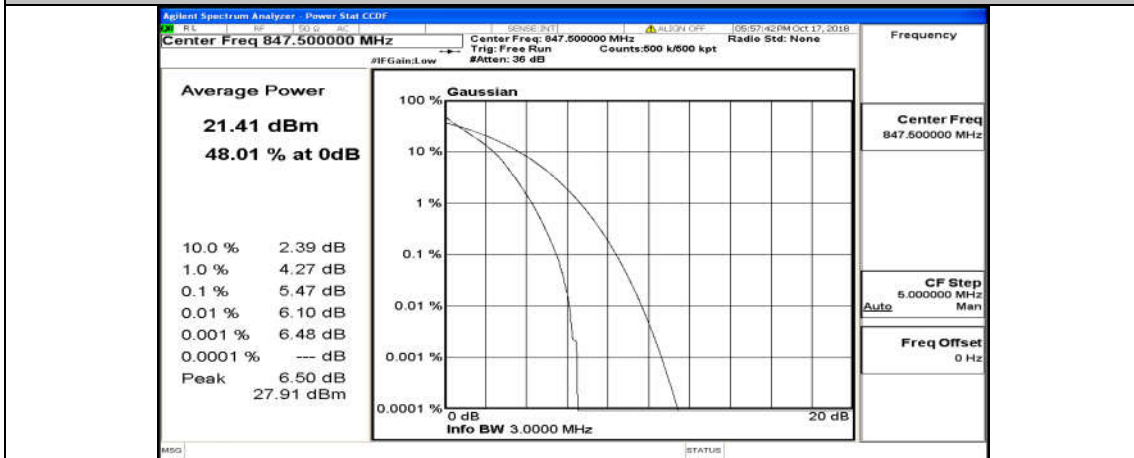
(Channel Bandwidth: 3 MHz)_MCH_QPSK_15RB#0



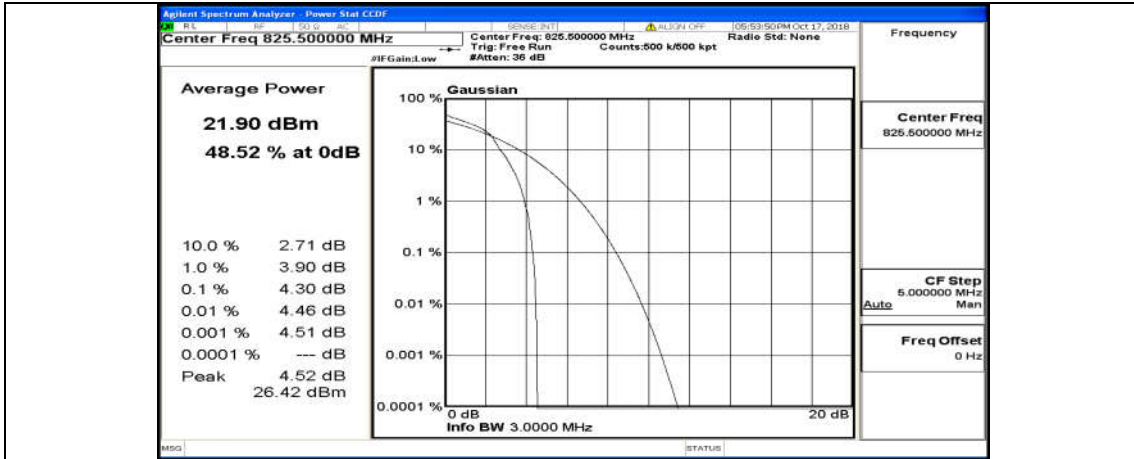
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



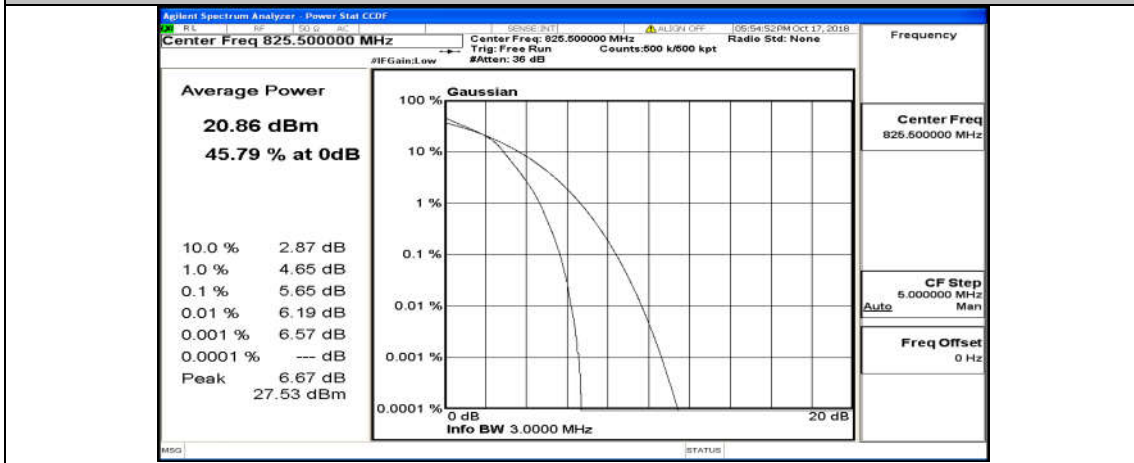
(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0



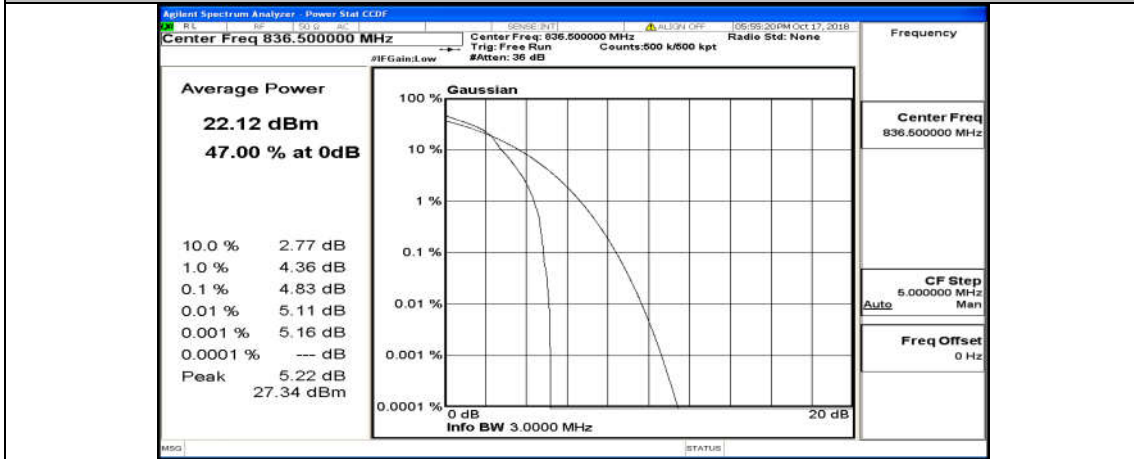
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



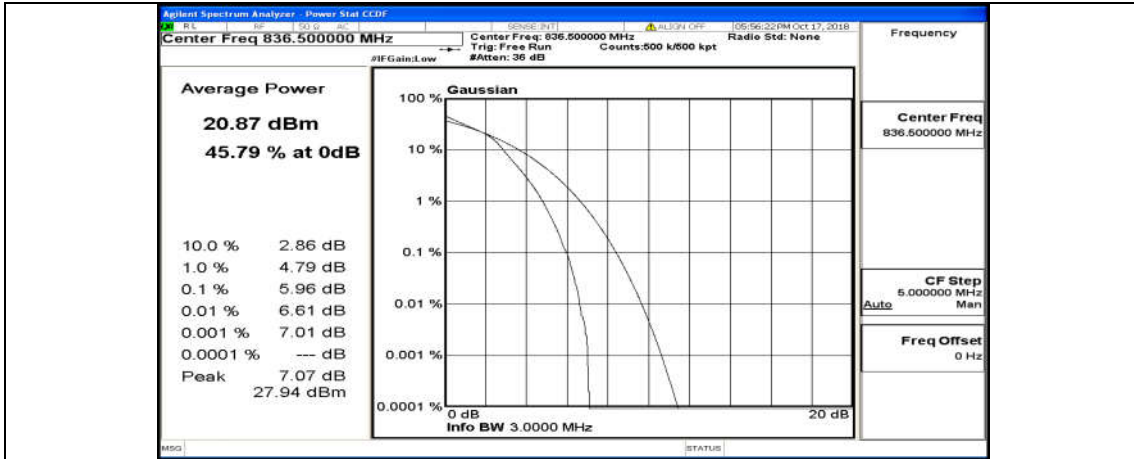
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



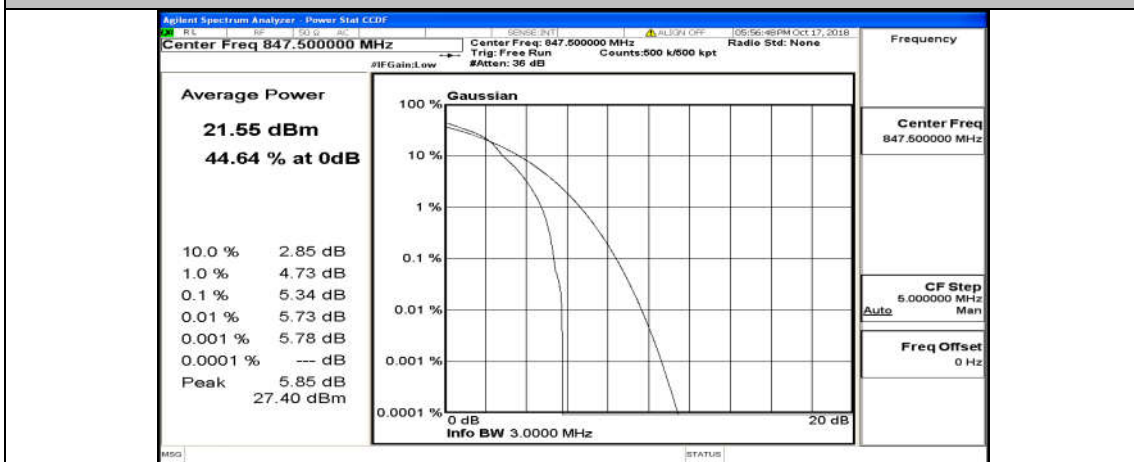
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



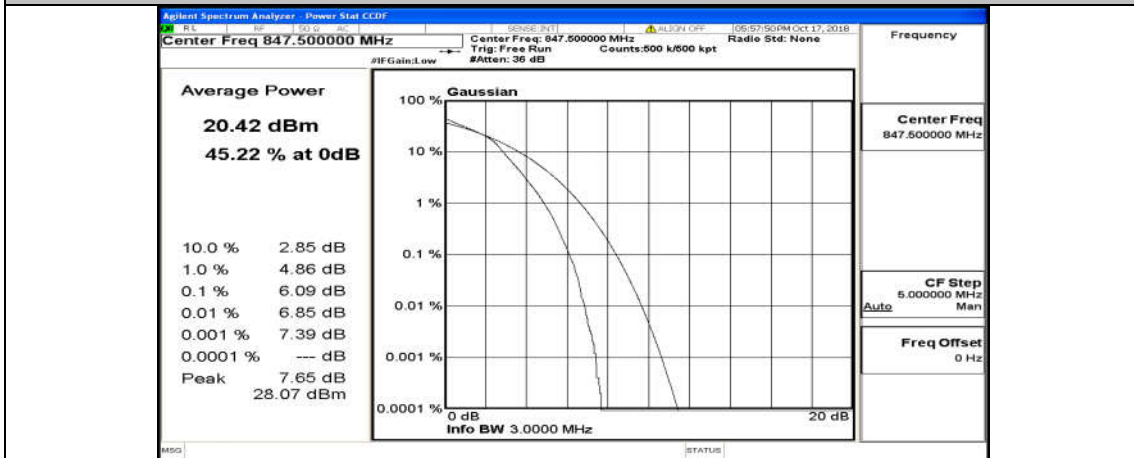
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

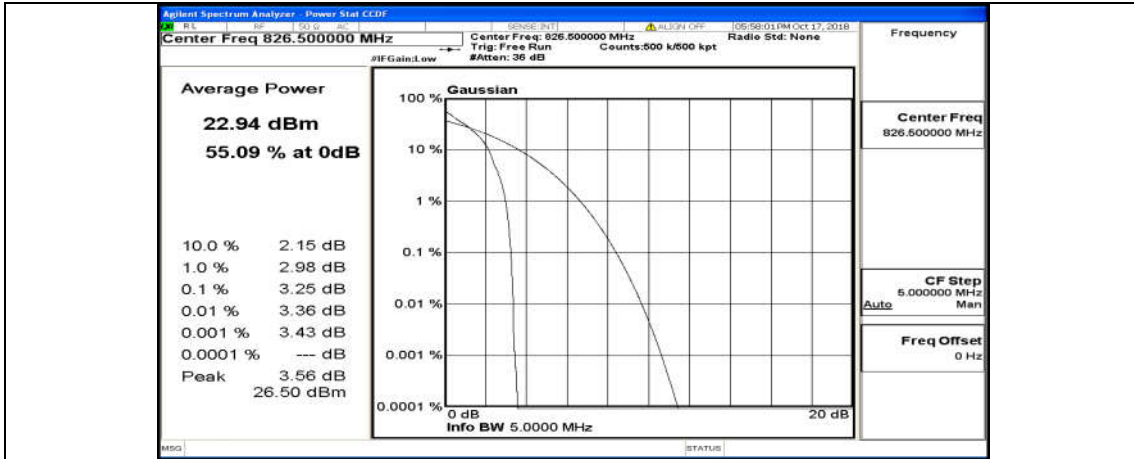


(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0

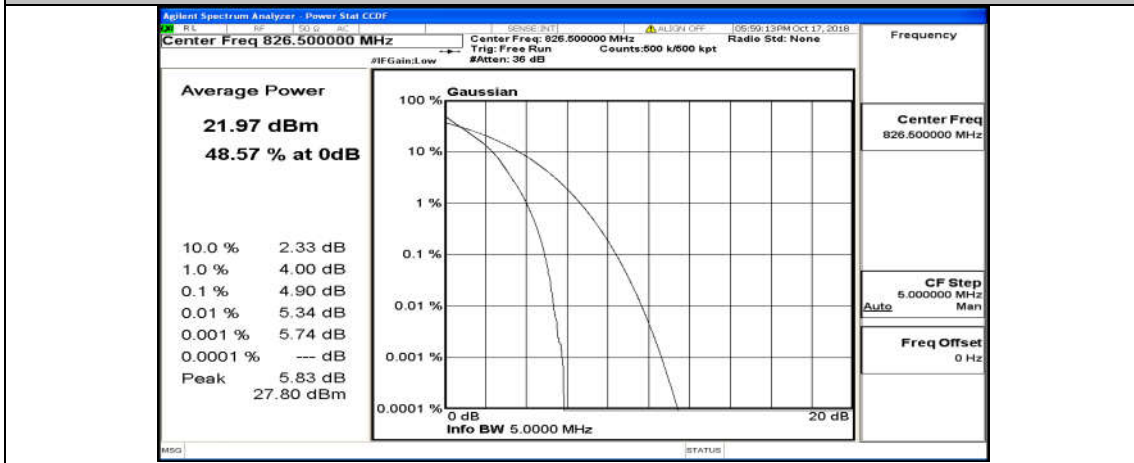


Channel Bandwidth: 5 MHz

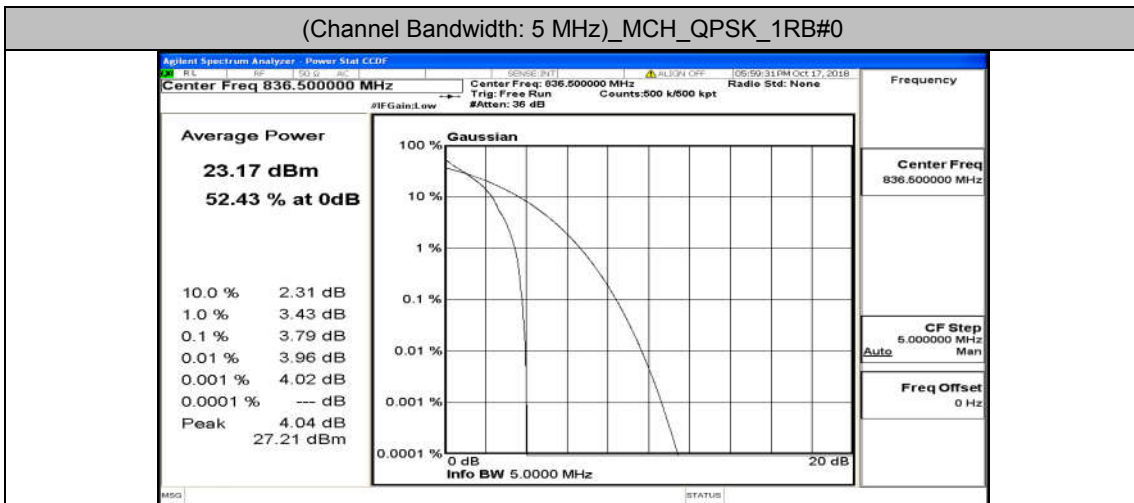
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0



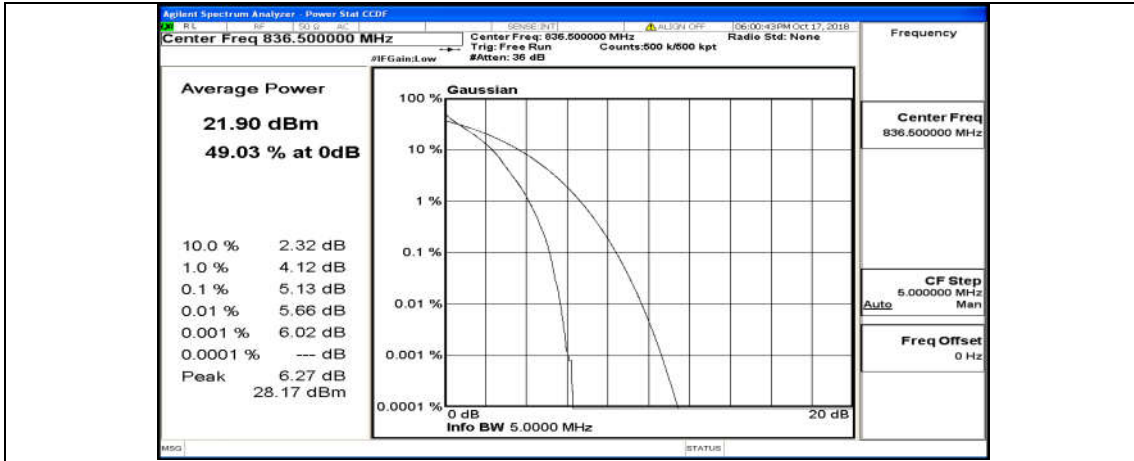
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



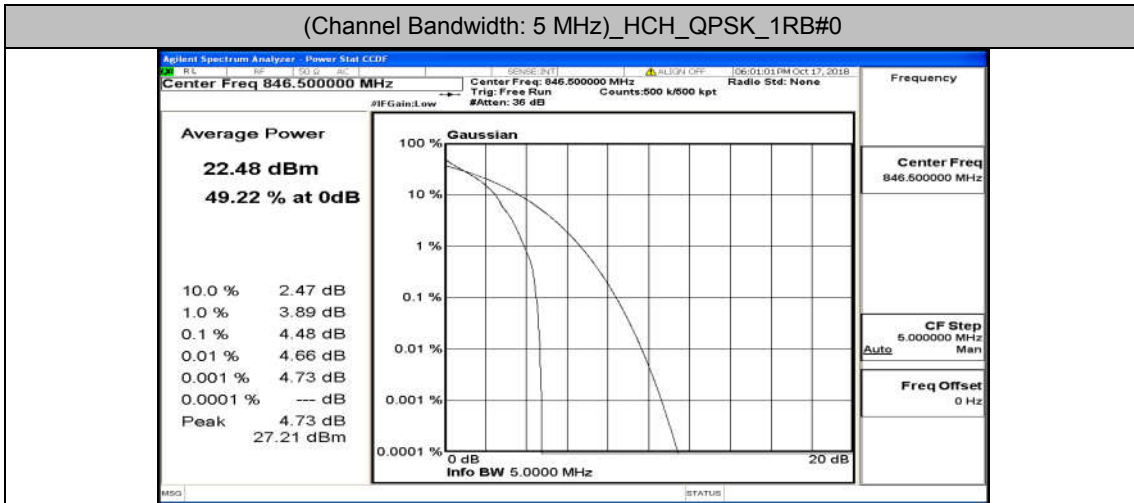
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



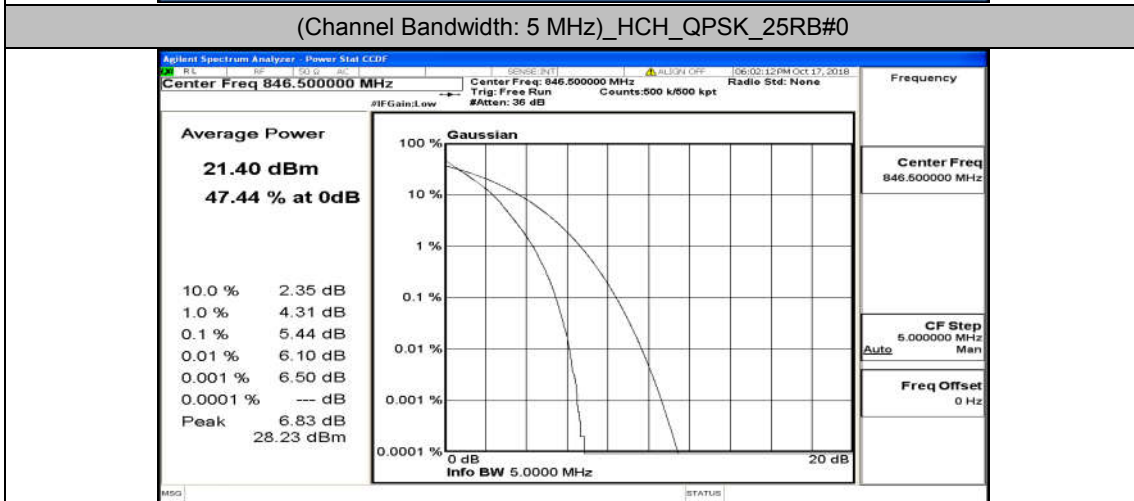
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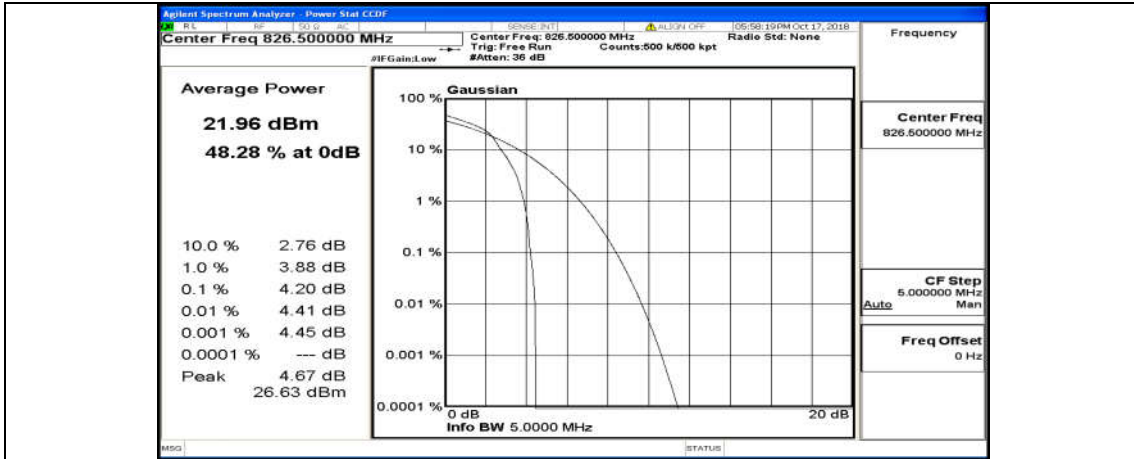
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0



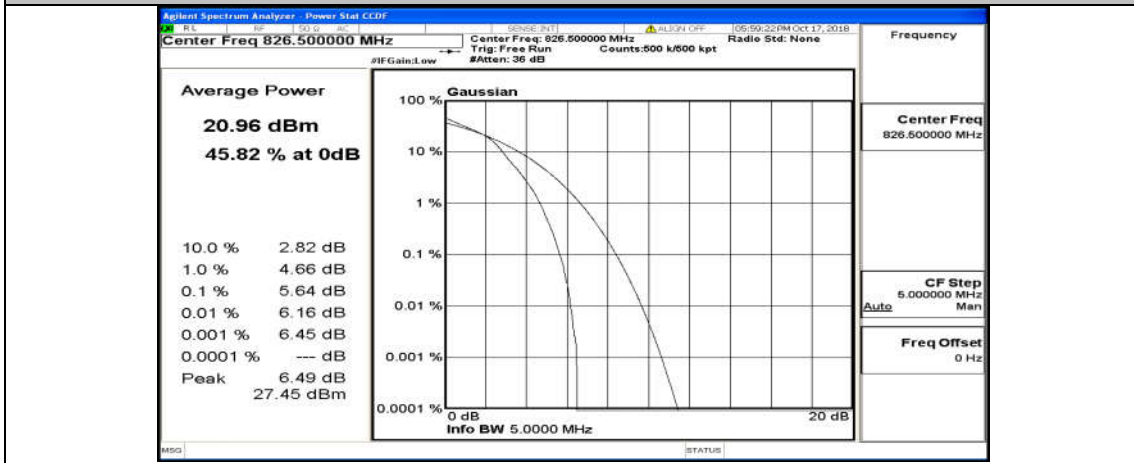
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



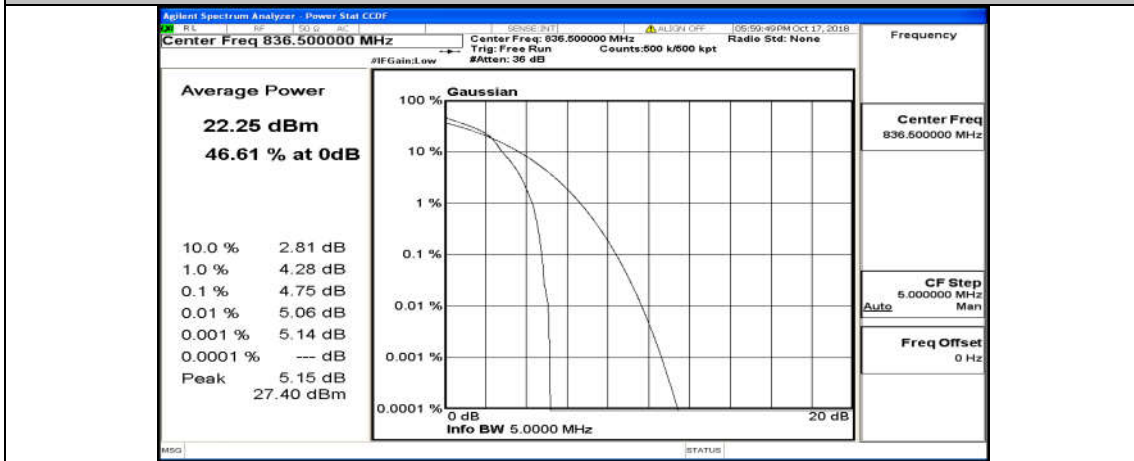
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



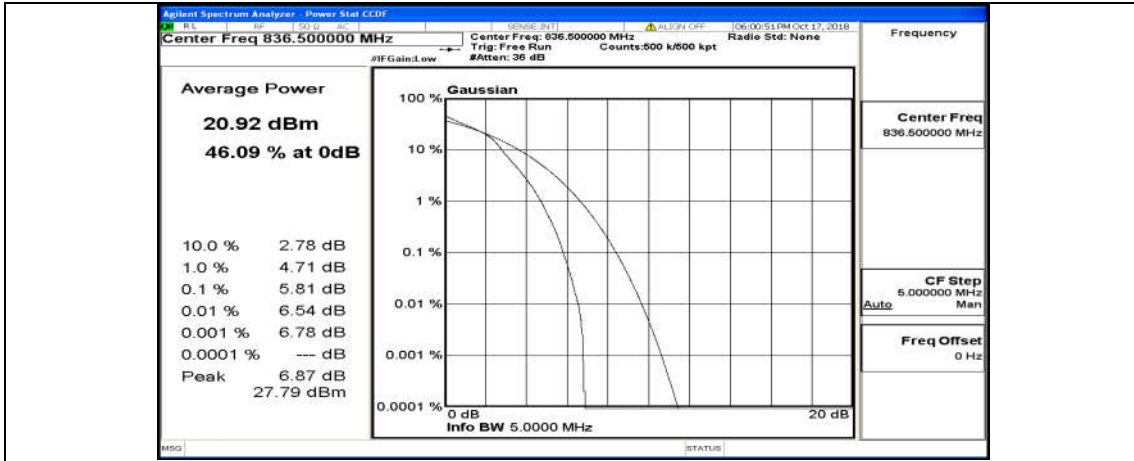
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



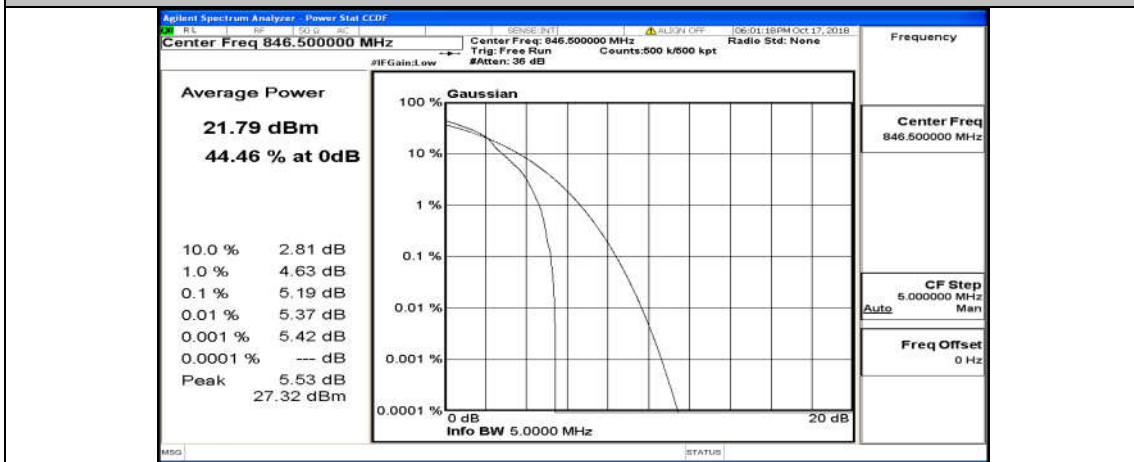
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0



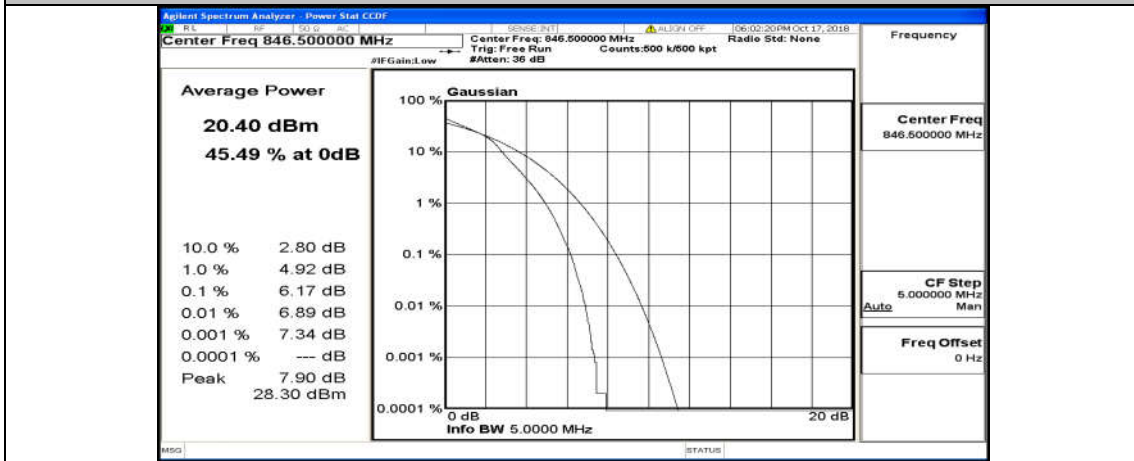
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

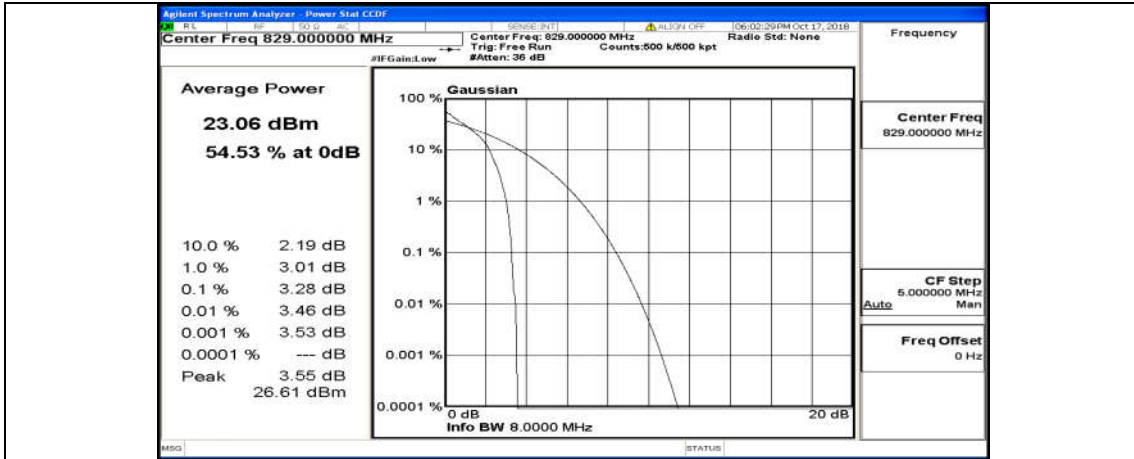


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

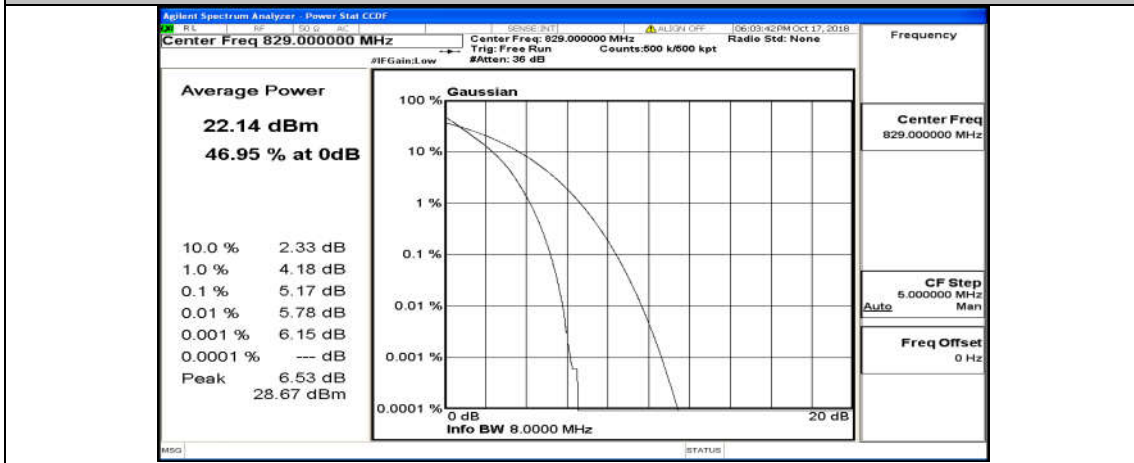


Channel Bandwidth: 10 MHz

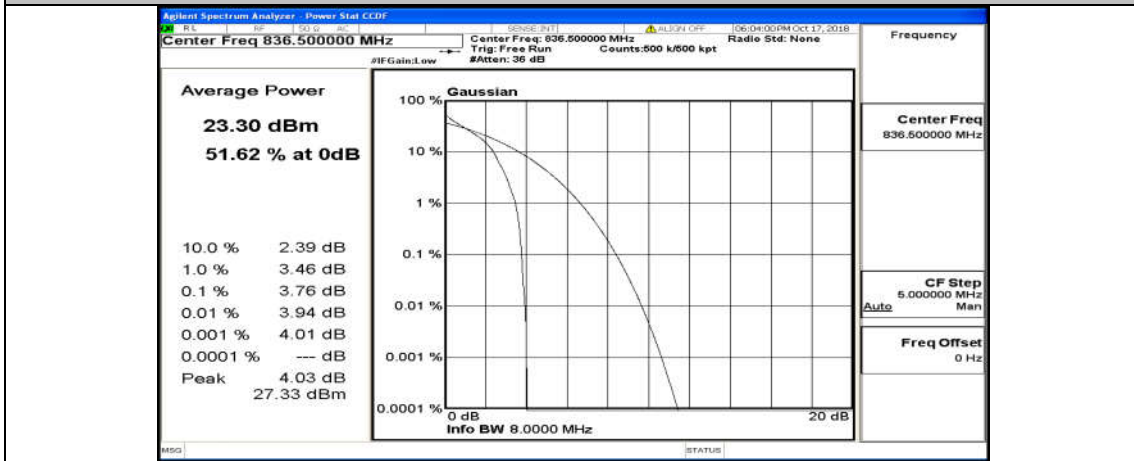
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0



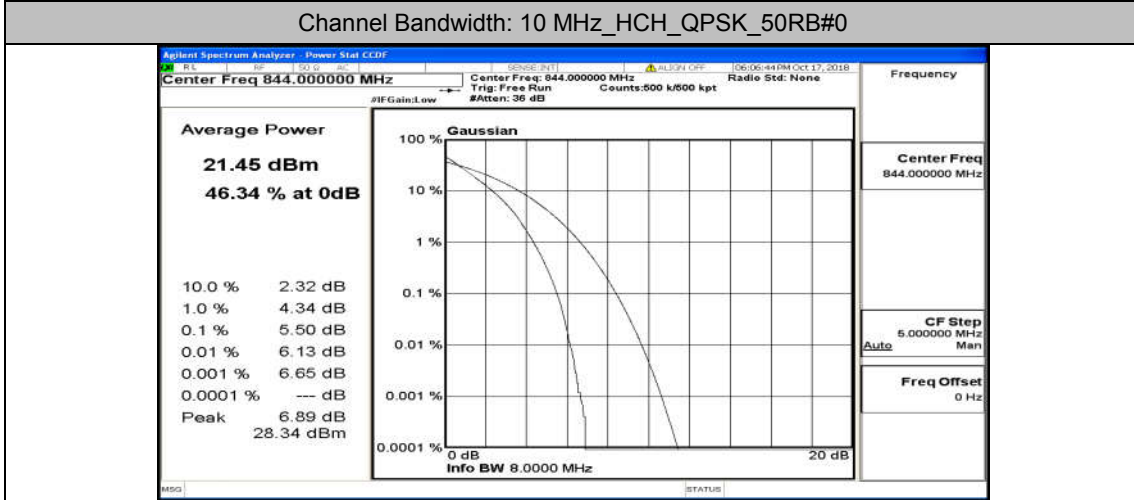
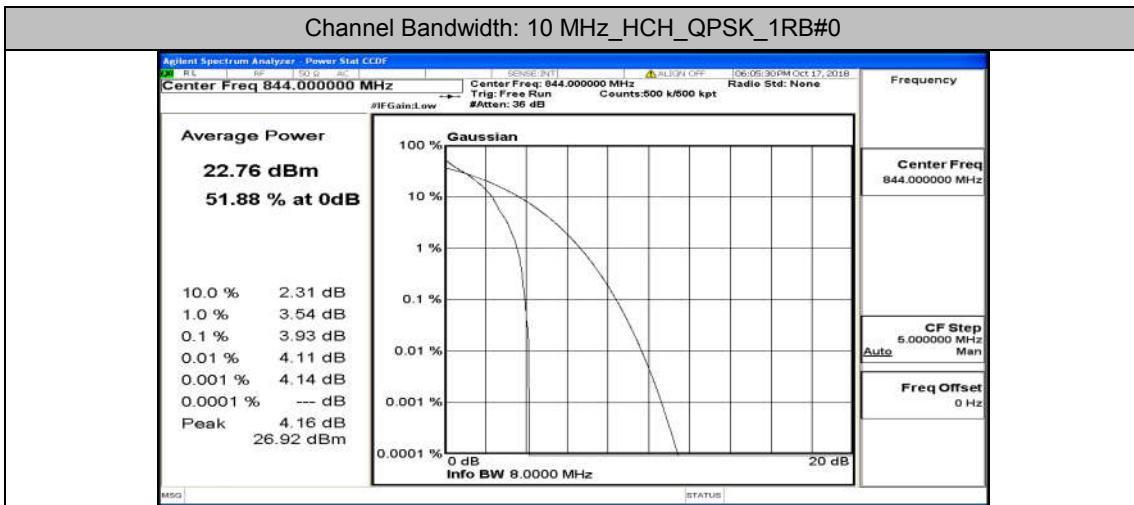
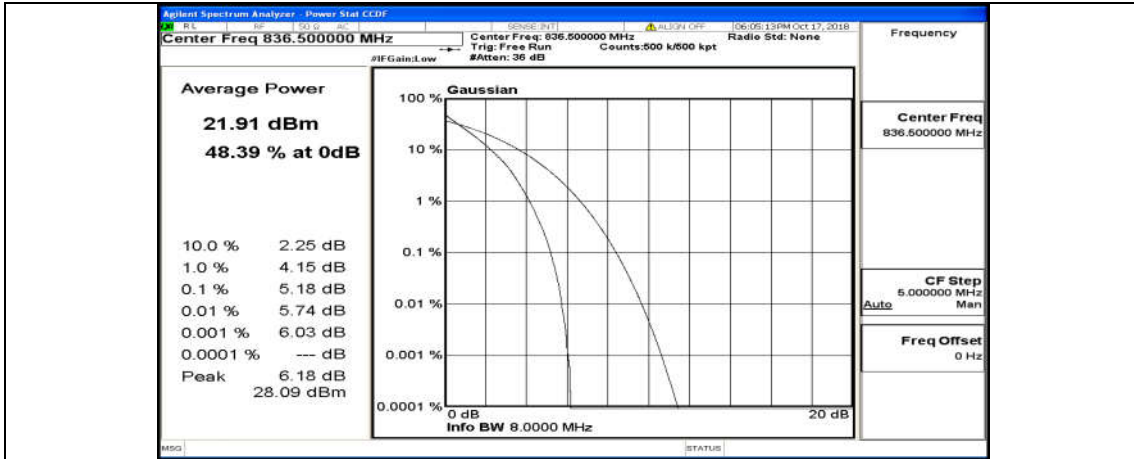
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



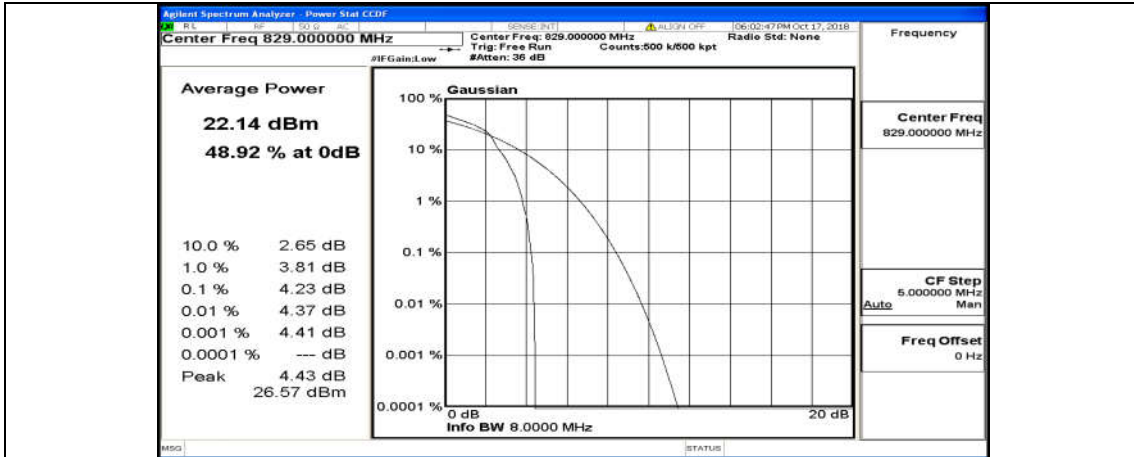
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0



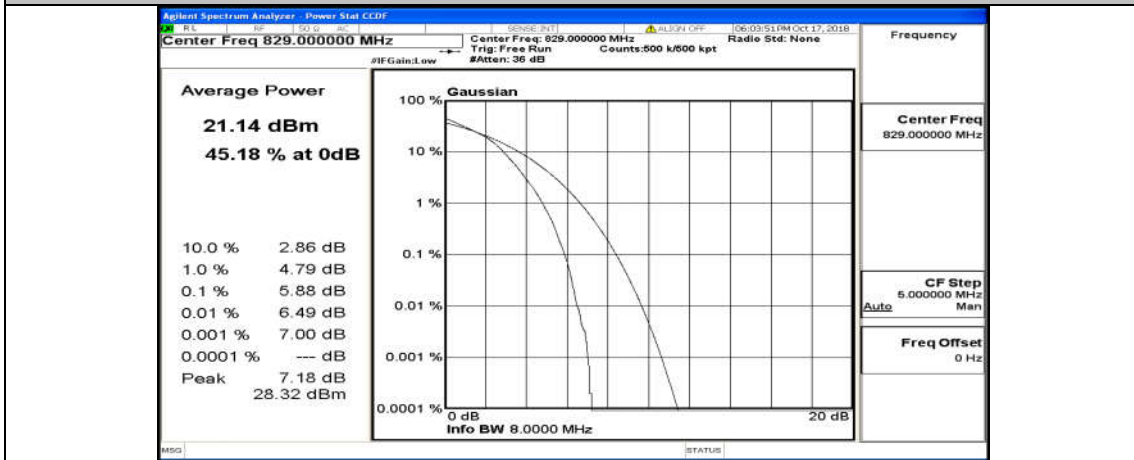
Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0



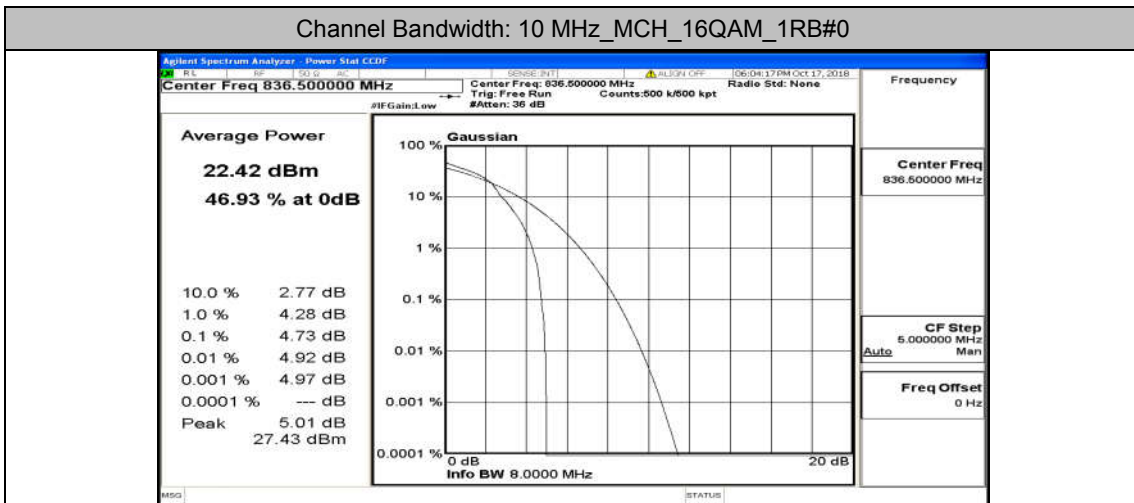
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



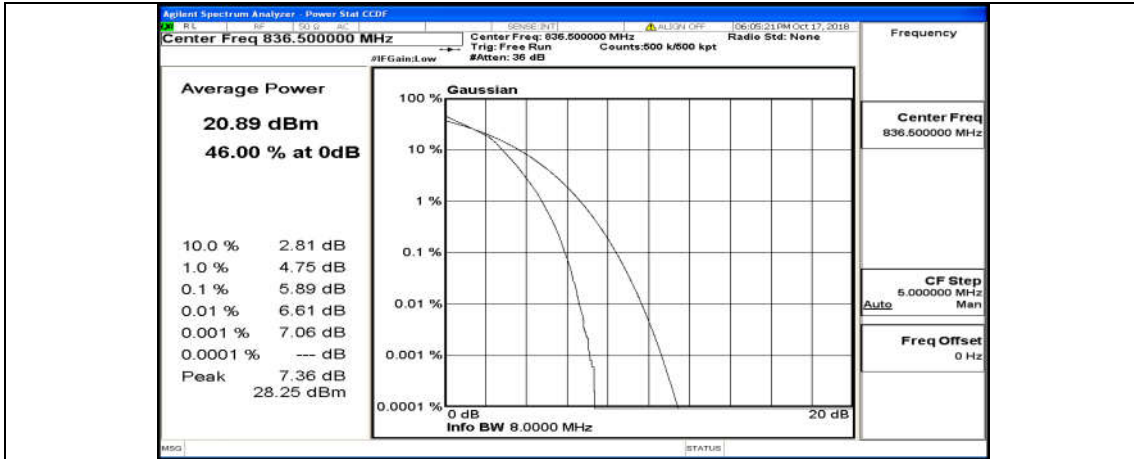
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



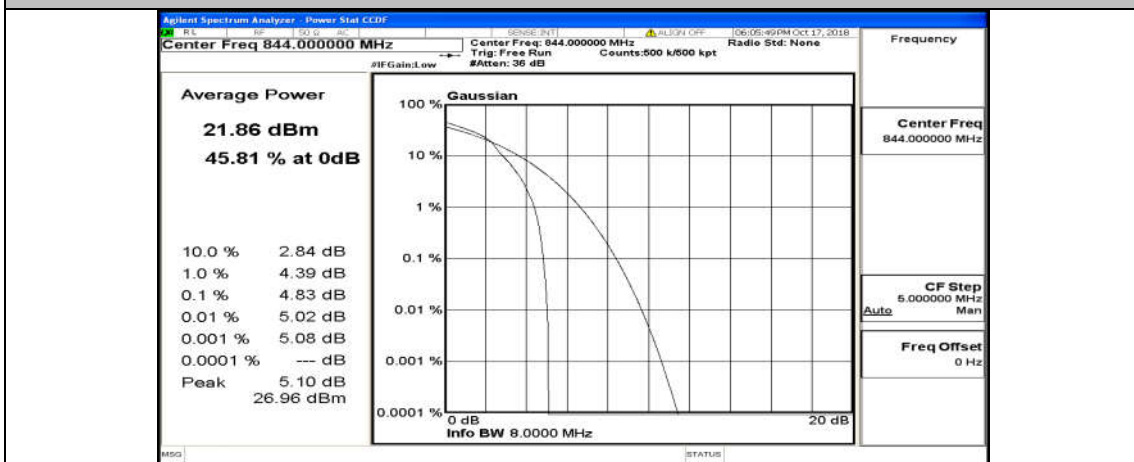
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



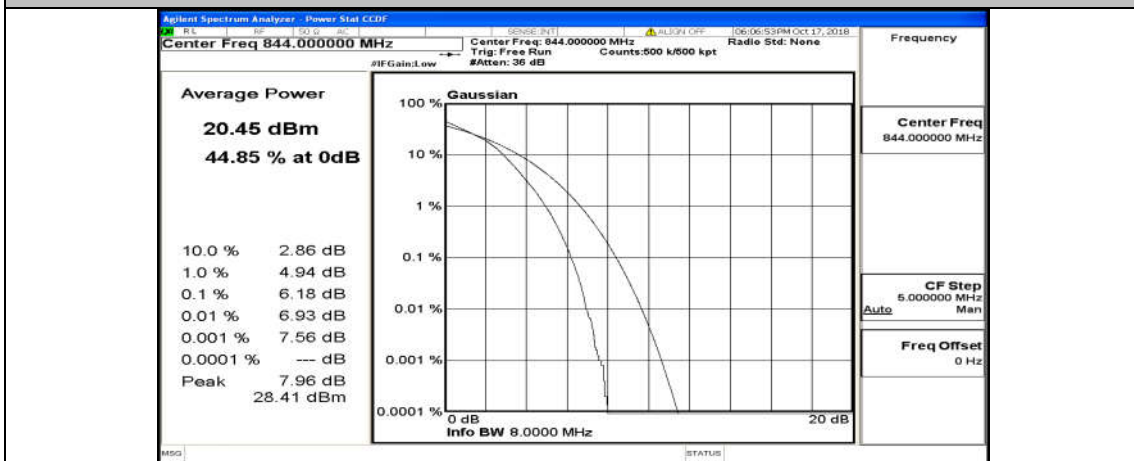
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0



Appendix C.3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0796	1.225	PASS
	MCH	6	0	1.0764	1.189	PASS
	HCH	6	0	1.0774	1.215	PASS
16QAM	LCH	6	0	1.0792	1.215	PASS
	MCH	6	0	1.0790	1.226	PASS
	HCH	6	0	1.0790	1.220	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6854	2.861	PASS
	MCH	15	0	2.6838	2.885	PASS
	HCH	15	0	2.6837	2.883	PASS
16QAM	LCH	15	0	2.6819	2.862	PASS
	MCH	15	0	2.6868	2.855	PASS
	HCH	15	0	2.6858	2.867	PASS

Channel Bandwidth: 5 MHz

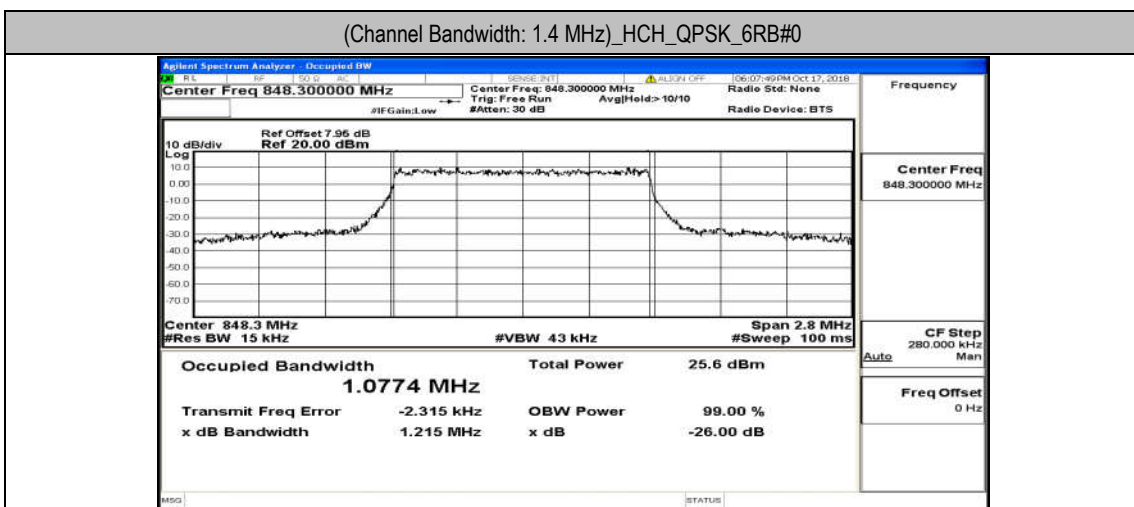
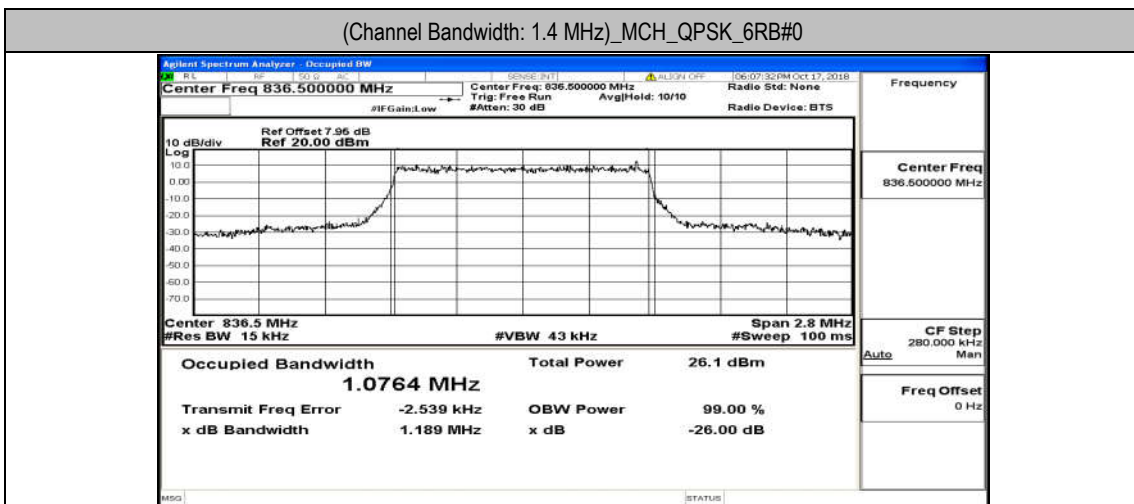
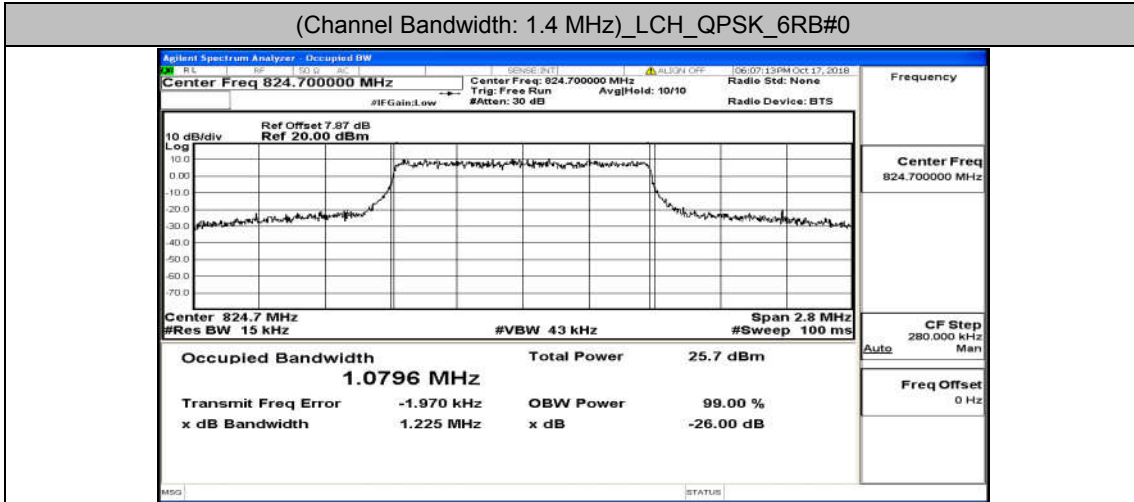
Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4848	4.837	PASS
	MCH	25	0	4.4774	4.804	PASS
	HCH	25	0	4.4777	4.858	PASS
16QAM	LCH	25	0	4.4699	4.840	PASS
	MCH	25	0	4.4790	4.825	PASS
	HCH	25	0	4.4903	4.843	PASS

Channel Bandwidth: 10 MHz

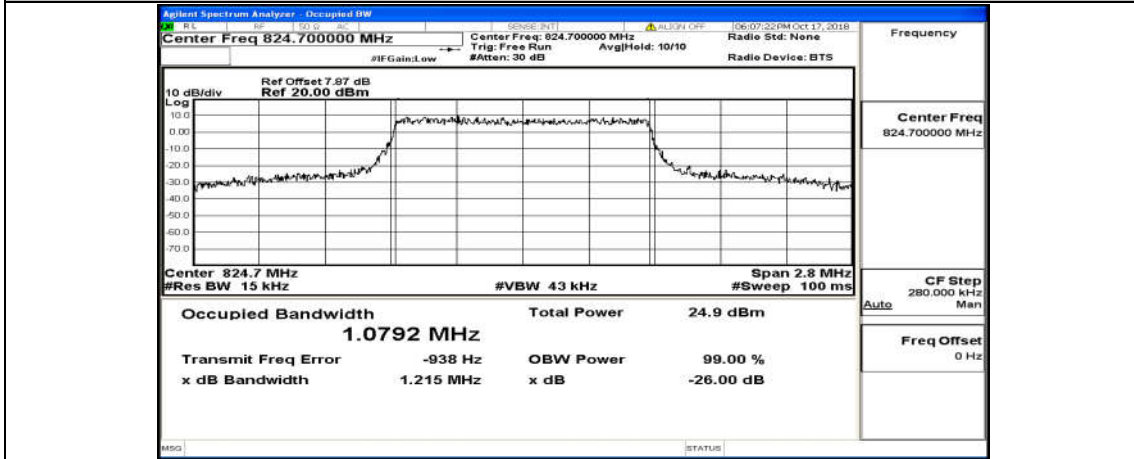
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9611	9.460	PASS
	MCH	50	0	8.9204	9.453	PASS
	HCH	50	0	8.9503	9.449	PASS
16QAM	LCH	50	0	8.9469	9.529	PASS
	MCH	50	0	8.9293	9.452	PASS
	HCH	50	0	8.9503	9.484	PASS

Test Graphs

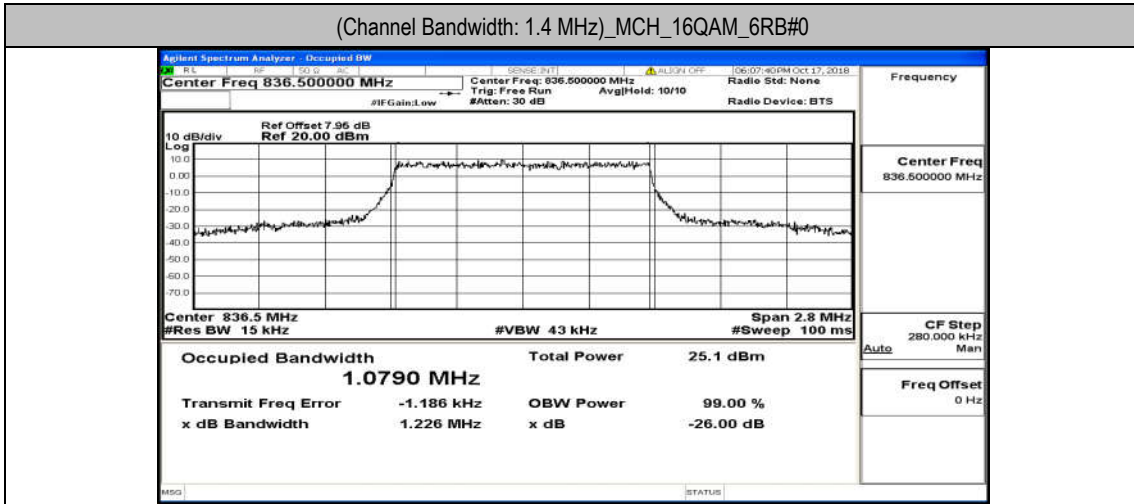
Channel Bandwidth: 1.4 MHz



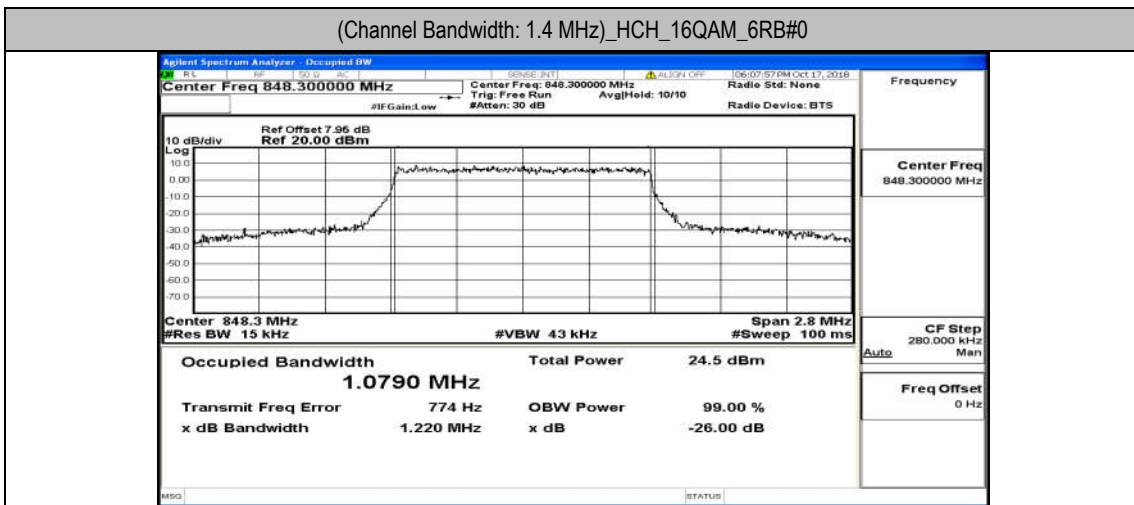
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0



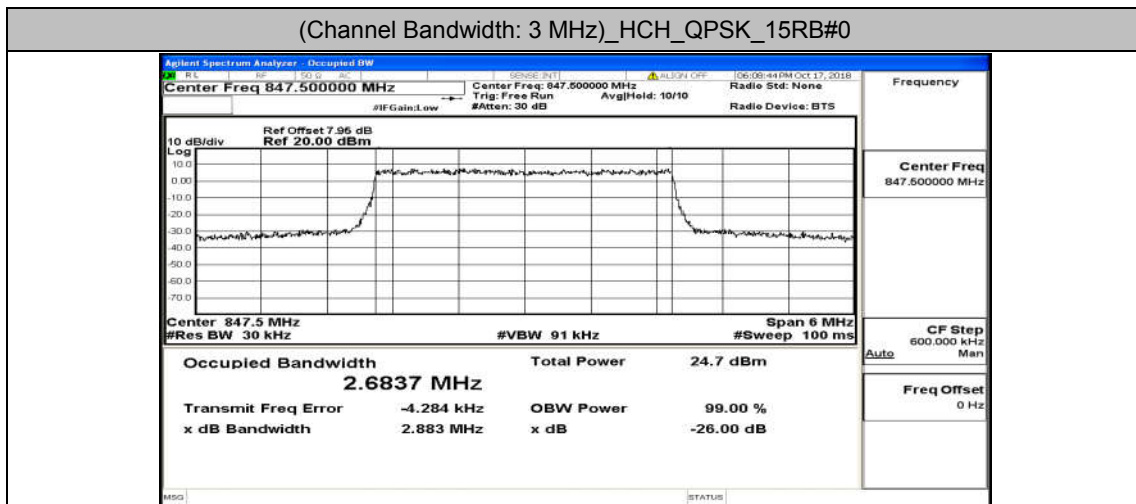
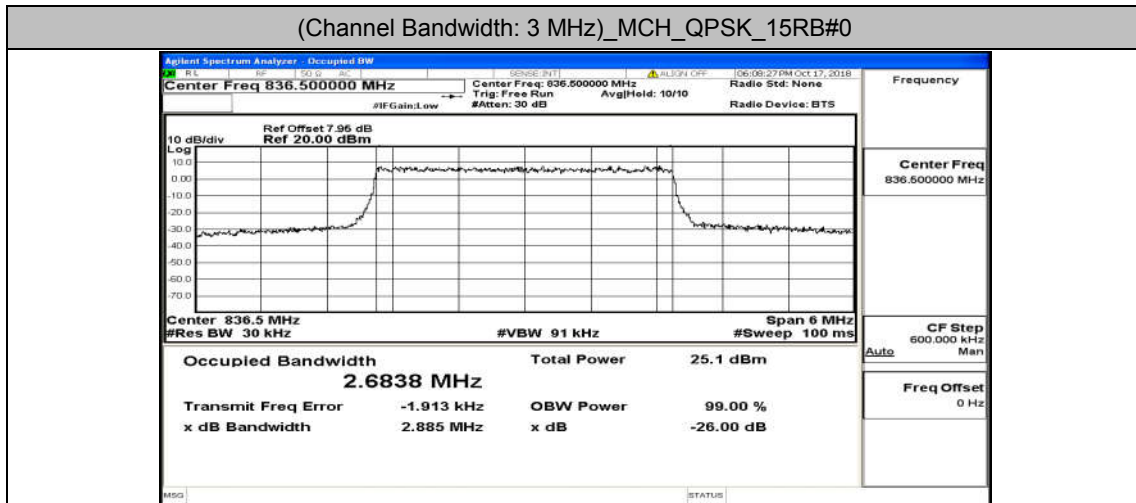
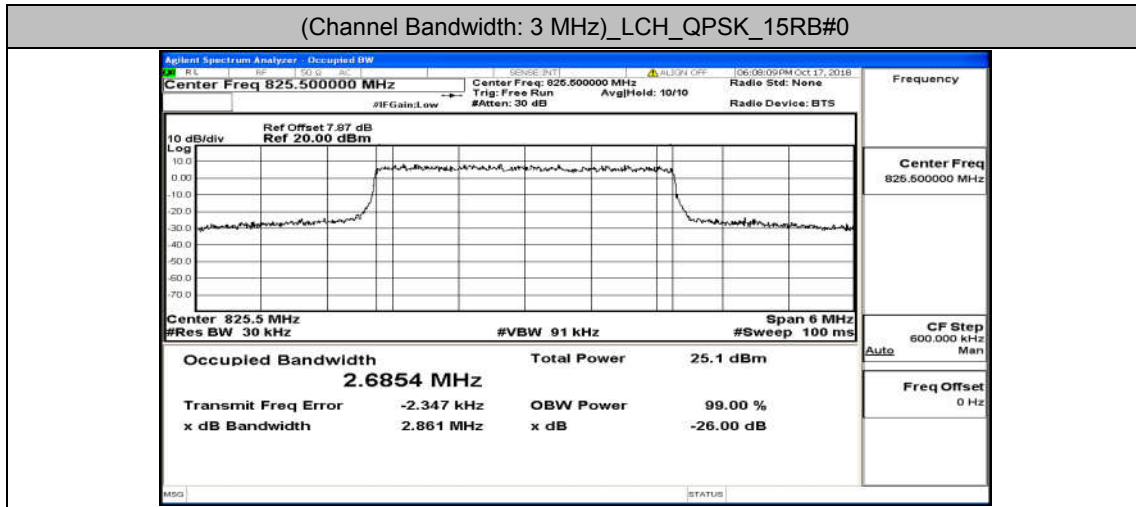
(Channel Bandwidth: 1.4 MHz)_MCH_16QAM_6RB#0



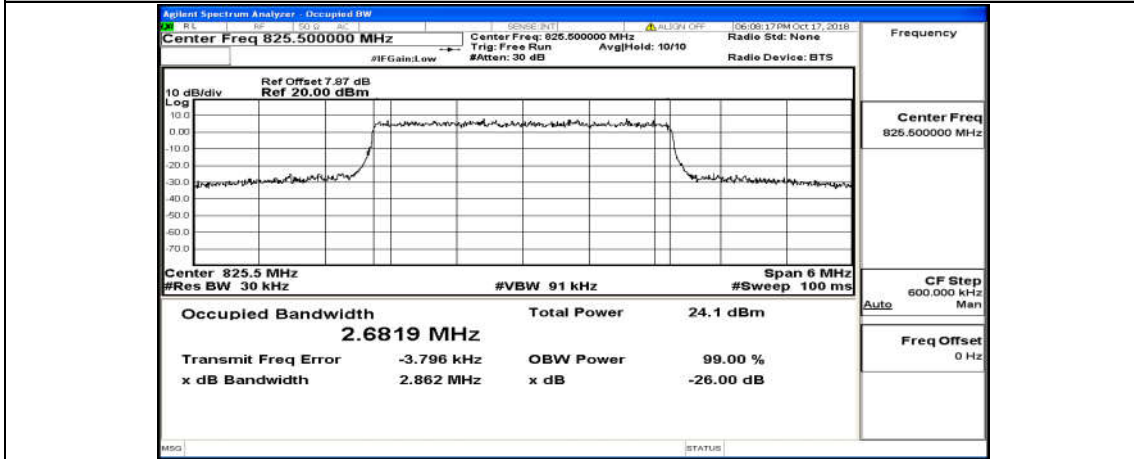
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0



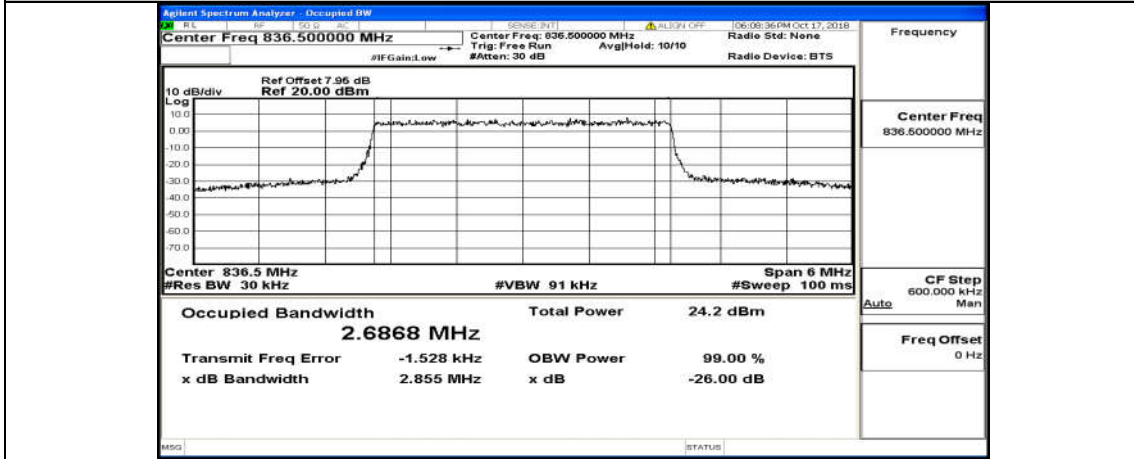
Channel Bandwidth: 3 MHz



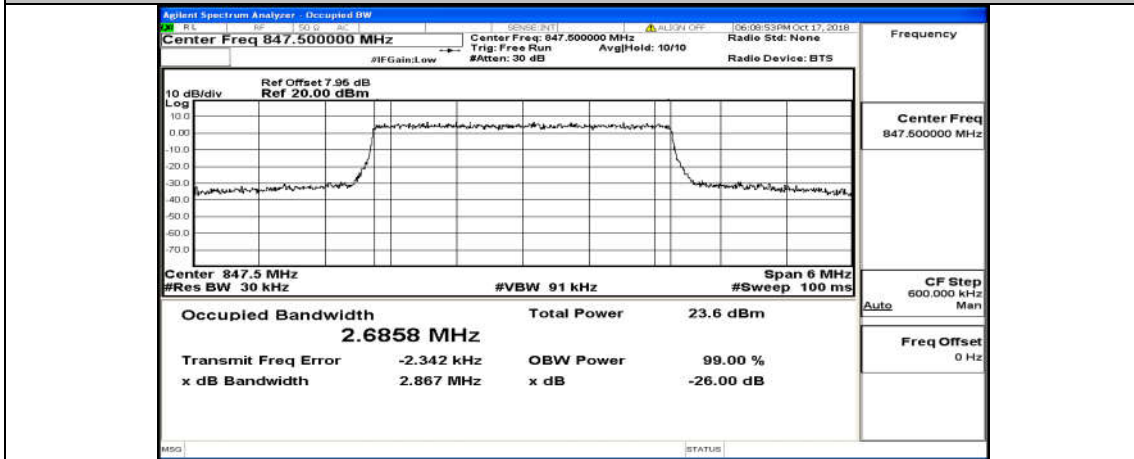
(Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0



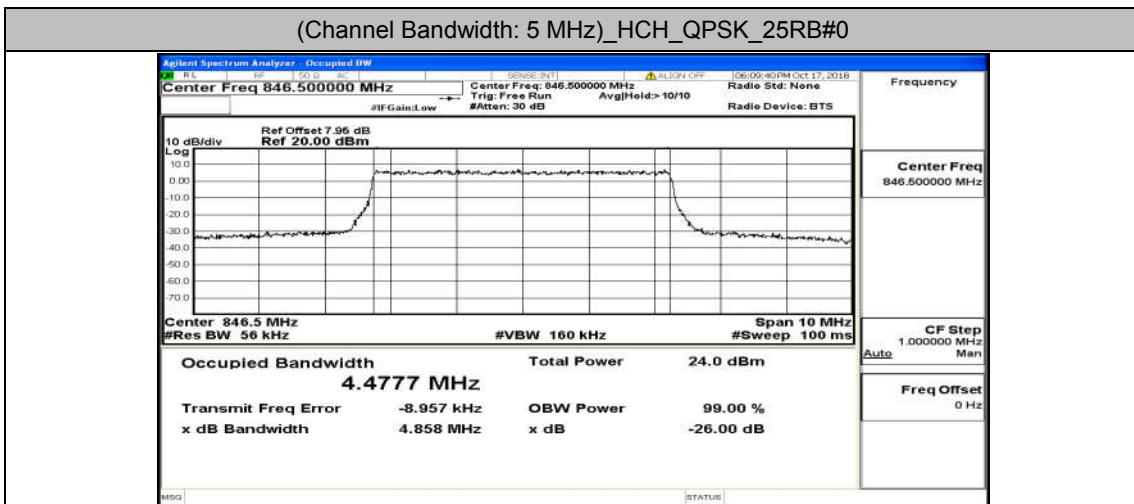
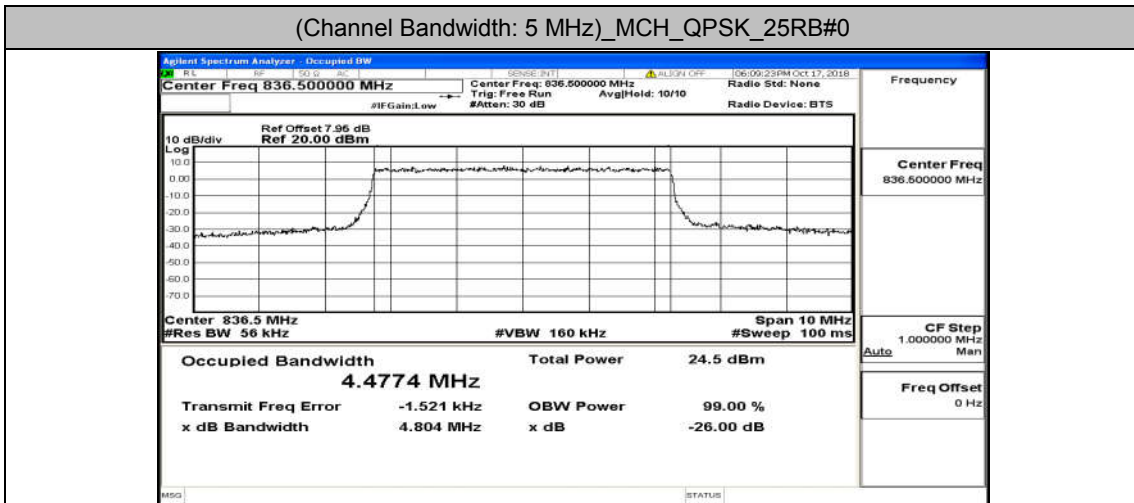
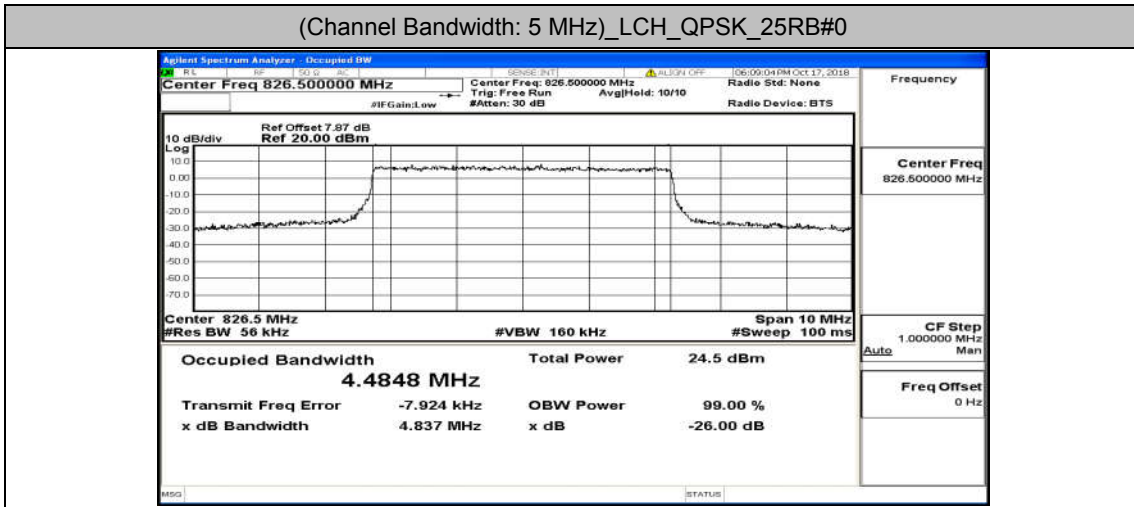
(Channel Bandwidth: 3 MHz)_MCH_16QAM_15RB#0



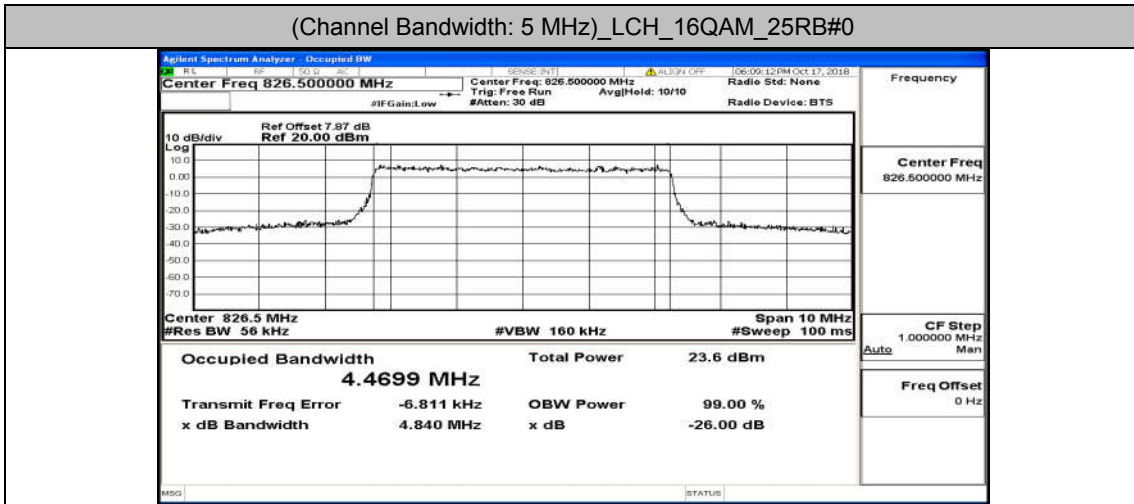
(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0



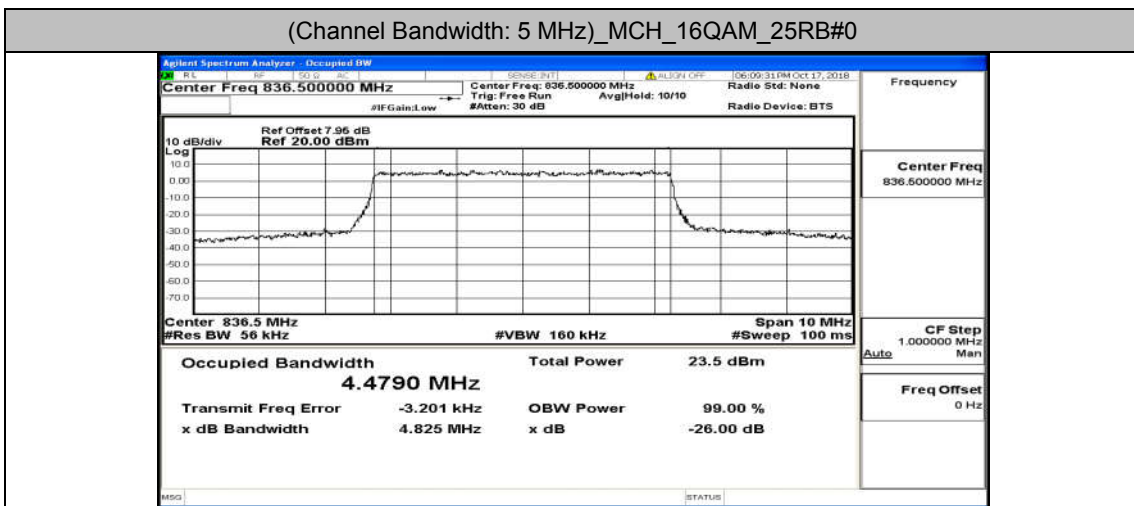
Channel Bandwidth: 5 MHz



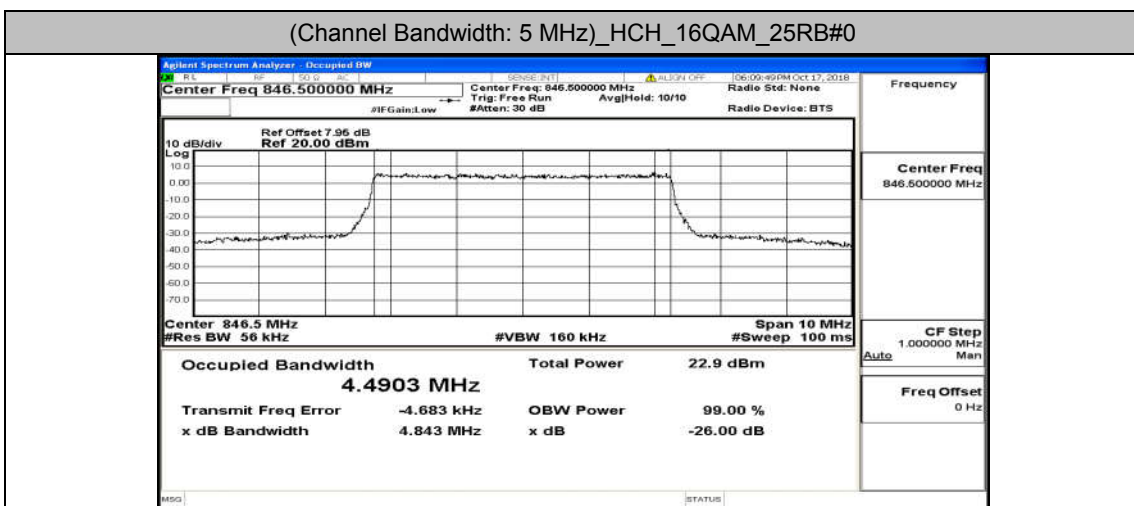
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



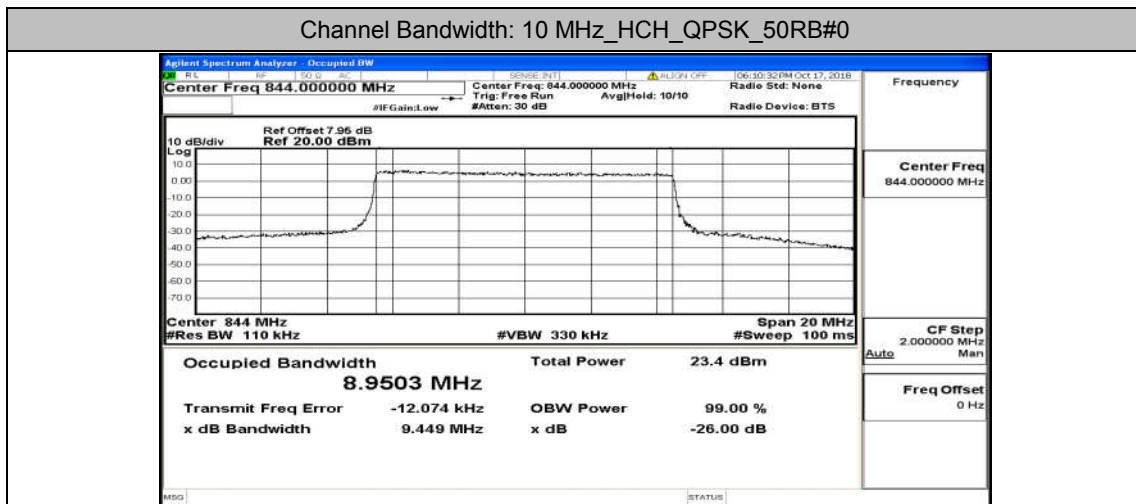
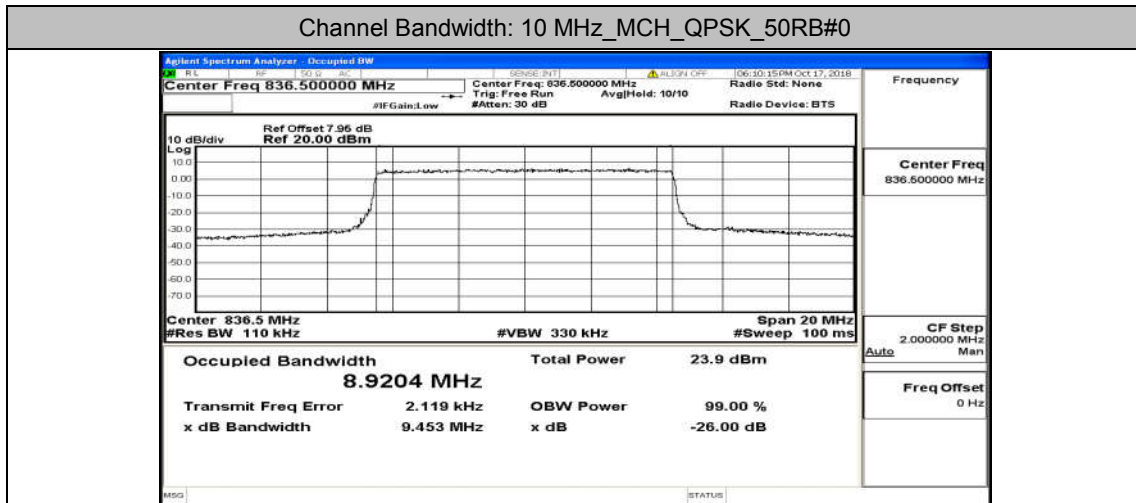
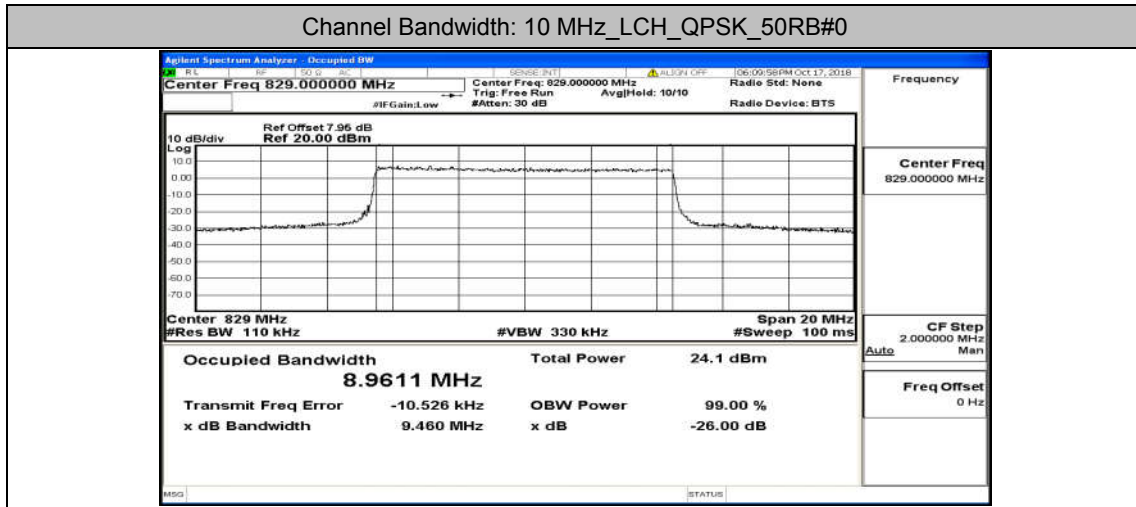
(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0



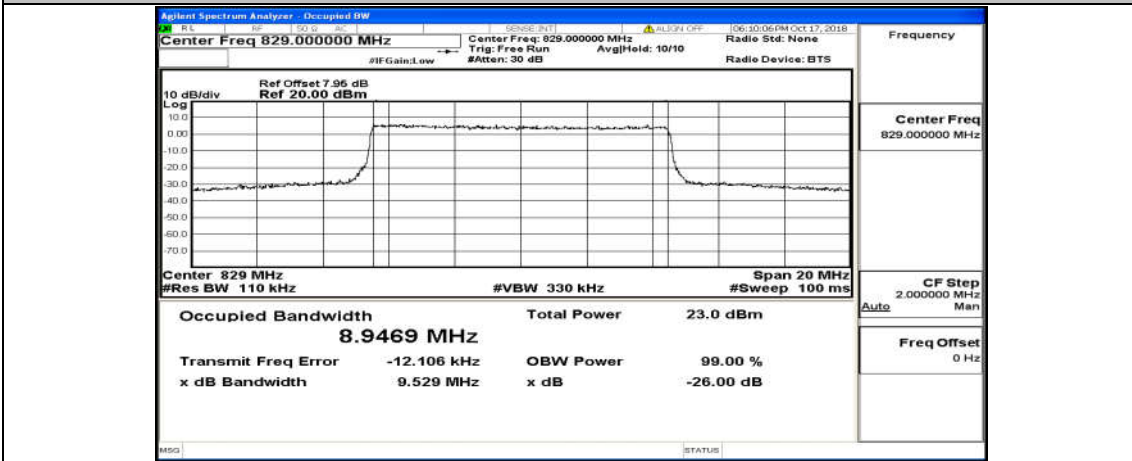
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0



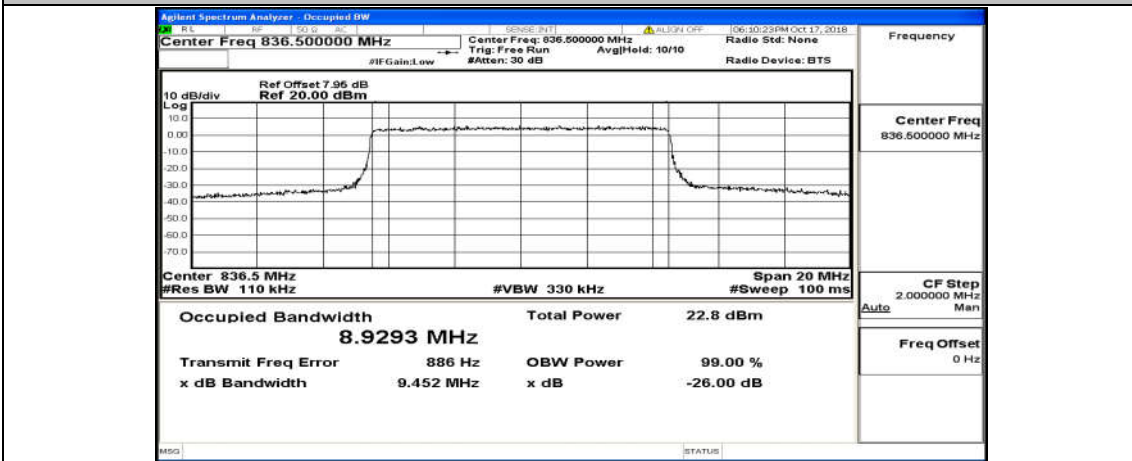
Channel Bandwidth: 10 MHz



Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

