

Appendix B.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	21.28	/	PASS
		1	3	21.19	/	PASS
		1	5	21.45	/	PASS
		3	0	21.25	/	PASS
		3	2	21.28	/	PASS
		3	3	21.36	/	PASS
		6	0	21.36	/	PASS
	MCH	1	0	21.87	/	PASS
		1	3	21.89	/	PASS
		1	5	21.93	/	PASS
		3	0	21.98	/	PASS
		3	2	21.91	/	PASS
		3	3	21.97	/	PASS
		6	0	21.95	/	PASS
16QAM	LCH	1	0	22.00	/	PASS
		1	3	21.76	/	PASS
		1	5	21.84	/	PASS
		3	0	21.98	/	PASS
		3	2	21.88	/	PASS
		3	3	21.84	/	PASS
		6	0	21.92	/	PASS
	MCH	1	0	21.39	/	PASS
		1	3	21.40	/	PASS
		1	5	21.58	/	PASS
		3	0	21.35	/	PASS
		3	2	21.35	/	PASS
		3	3	21.43	/	PASS
		6	0	21.29	/	PASS

		3	2	21.85	/	PASS
		3	3	21.88	/	PASS
		6	0	21.85	/	PASS
HCH	HCH	1	0	22.02	/	PASS
		1	3	21.88	/	PASS
		1	5	21.90	/	PASS
		3	0	21.89	/	PASS
		3	2	21.81	/	PASS
		3	3	21.79	/	PASS
		6	0	21.95	/	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.25	/	PASS
		1	7	21.32	/	PASS
		1	14	21.72	/	PASS
		8	0	21.42	/	PASS
		8	4	21.55	/	PASS
		8	7	21.71	/	PASS
		15	0	21.55	/	PASS
	MCH	1	0	21.74	/	PASS
		1	7	21.81	/	PASS
		1	14	21.83	/	PASS
		8	0	21.93	/	PASS
		8	4	21.96	/	PASS
		8	7	22.00	/	PASS
		15	0	21.94	/	PASS
	HCH	1	0	22.24	/	PASS
		1	7	21.93	/	PASS
		1	14	21.84	/	PASS
		8	0	22.20	/	PASS
		8	4	22.05	/	PASS
		8	7	22.00	/	PASS
		15	0	22.05	/	PASS
16QAM	LCH	1	0	21.40	/	PASS
		1	7	21.49	/	PASS
		1	14	21.85	/	PASS
		8	0	21.43	/	PASS
		8	4	21.57	/	PASS

		8	7	21.68	/	PASS
		15	0	21.48	/	PASS
MCH	1	0	21.92	/	PASS	
	1	7	21.98	/	PASS	
	1	14	21.98	/	PASS	
	8	0	21.94	/	PASS	
	8	4	21.97	/	PASS	
	8	7	21.96	/	PASS	
	15	0	21.85	/	PASS	
HCH	1	0	22.28	/	PASS	
	1	7	22.03	/	PASS	
	1	14	21.99	/	PASS	
	8	0	22.08	/	PASS	
	8	4	21.94	/	PASS	
	8	7	21.91	/	PASS	
	15	0	21.99	/	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	21.28	/	PASS
		1	12	21.25	/	PASS
		1	24	21.88	/	PASS
		12	0	21.28	/	PASS
		12	6	21.40	/	PASS
		12	13	21.74	/	PASS
		25	0	21.47	/	PASS
	MCH	1	0	21.88	/	PASS
		1	12	21.89	/	PASS
		1	24	21.97	/	PASS
		12	0	21.99	/	PASS
		12	6	21.99	/	PASS
		12	13	22.06	/	PASS
		25	0	21.95	/	PASS
	HCH	1	0	22.33	/	PASS
		1	12	21.73	/	PASS
		1	24	21.82	/	PASS
		12	0	22.00	/	PASS
		12	6	21.80	/	PASS
		12	13	21.69	/	PASS
		25	0	21.85	/	PASS

16QAM	LCH	1	0	21.51	/	PASS
		1	12	21.48	/	PASS
		1	24	22.04	/	PASS
		12	0	21.37	/	PASS
		12	6	21.48	/	PASS
		12	13	21.78	/	PASS
		25	0	21.45	/	PASS
	MCH	1	0	22.09	/	PASS
		1	12	22.11	/	PASS
		1	24	22.18	/	PASS
		12	0	22.02	/	PASS
		12	6	22.04	/	PASS
		12	13	22.11	/	PASS
		25	0	21.91	/	PASS
	HCH	1	0	21.98	/	PASS
		1	12	21.50	/	PASS
		1	24	21.55	/	PASS
		12	0	21.94	/	PASS
		12	6	21.76	/	PASS
		12	13	21.67	/	PASS
		25	0	21.77	/	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	20.78	/	PASS
		1	24	21.71	/	PASS
		1	49	21.64	/	PASS
		25	0	21.56	/	PASS
		25	12	21.87	/	PASS
		25	25	21.88	/	PASS
		50	0	21.78	/	PASS
	MCH	1	0	21.75	/	PASS
		1	24	21.89	/	PASS
		1	49	21.43	/	PASS
		25	0	21.87	/	PASS
		25	12	21.93	/	PASS
		25	25	21.91	/	PASS
		50	0	21.74	/	PASS
	HCH	1	0	21.95	/	PASS
		1	24	22.04	/	PASS

		1	49	21.37	/	PASS
		25	0	22.25	/	PASS
		25	12	22.24	/	PASS
		25	25	22.01	/	PASS
		50	0	22.10	/	PASS
16QAM	LCH	1	0	20.93	/	PASS
		1	24	21.77	/	PASS
		1	49	21.73	/	PASS
		25	0	21.48	/	PASS
		25	12	21.77	/	PASS
		25	25	21.76	/	PASS
		50	0	21.69	/	PASS
	MCH	1	0	21.83	/	PASS
		1	24	21.98	/	PASS
		1	49	21.58	/	PASS
		25	0	21.61	/	PASS
		25	12	21.64	/	PASS
		25	25	21.74	/	PASS
		50	0	21.72	/	PASS
	HCH	1	0	22.01	/	PASS
		1	24	22.08	/	PASS
		1	49	21.48	/	PASS
		25	0	22.12	/	PASS
		25	12	22.08	/	PASS
		25	25	21.89	/	PASS
		50	0	22.01	/	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.10	/	PASS
		1	37	21.71	/	PASS
		1	74	21.62	/	PASS
		37	0	21.83	/	PASS
		37	18	21.89	/	PASS
		37	38	21.84	/	PASS
		75	0	21.92	/	PASS
	MCH	1	0	21.61	/	PASS
		1	37	21.80	/	PASS
		1	74	21.69	/	PASS
		37	0	21.88	/	PASS

		37	18	21.96	/	PASS
		37	38	21.89	/	PASS
		75	0	21.92	/	PASS
16QAM	HCH	1	0	21.95	/	PASS
		1	37	21.77	/	PASS
		1	74	21.31	/	PASS
		37	0	21.96	/	PASS
		37	18	21.87	/	PASS
		37	38	21.70	/	PASS
		75	0	21.81	/	PASS
16QAM	LCH	1	0	21.21	/	PASS
		1	37	21.80	/	PASS
		1	74	21.74	/	PASS
		37	0	21.70	/	PASS
		37	18	21.77	/	PASS
		37	38	21.73	/	PASS
		75	0	21.81	/	PASS
	MCH	1	0	21.72	/	PASS
		1	37	21.94	/	PASS
		1	74	21.83	/	PASS
		37	0	21.79	/	PASS
		37	18	21.89	/	PASS
		37	38	21.80	/	PASS
		75	0	21.86	/	PASS
16QAM	HCH	1	0	22.03	/	PASS
		1	37	21.80	/	PASS
		1	74	21.41	/	PASS
		37	0	21.87	/	PASS
		37	18	21.77	/	PASS
		37	38	21.61	/	PASS
		75	0	21.70	/	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Average Power [dBm]	E.i.r.p [dBm]	Verdict
		Size	Offset			
QPSK	LCH	1	0	21.12	/	PASS
		1	49	21.82	/	PASS
		1	99	21.73	/	PASS
		50	0	21.75	/	PASS
		50	25	21.74	/	PASS
		50	50	21.77	/	PASS

		100	0	21.76	/	PASS
MCH	MCH	1	0	21.73	/	PASS
		1	49	21.71	/	PASS
		1	99	21.39	/	PASS
		50	0	21.68	/	PASS
		50	25	21.59	/	PASS
		50	50	21.44	/	PASS
		100	0	21.52	/	PASS
HCH	HCH	1	0	21.63	/	PASS
		1	49	21.36	/	PASS
		1	99	20.82	/	PASS
		50	0	21.60	/	PASS
		50	25	21.45	/	PASS
		50	50	21.26	/	PASS
		100	0	21.39	/	PASS
16QAM	LCH	1	0	21.15	/	PASS
		1	49	21.84	/	PASS
		1	99	21.77	/	PASS
		50	0	21.62	/	PASS
		50	25	21.60	/	PASS
		50	50	21.66	/	PASS
		100	0	21.64	/	PASS
	MCH	1	0	21.67	/	PASS
		1	49	21.71	/	PASS
		1	99	21.40	/	PASS
		50	0	21.54	/	PASS
		50	25	21.48	/	PASS
		50	50	21.34	/	PASS
		100	0	21.41	/	PASS
	HCH	1	0	21.64	/	PASS
		1	49	21.36	/	PASS
		1	99	20.93	/	PASS
		50	0	21.49	/	PASS
		50	25	21.32	/	PASS
		50	50	21.12	/	PASS
		100	0	21.79	/	PASS

Appendix B.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	4.06	<13	PASS
		6	0	5	<13	PASS
	MCH	1	0	3.9	<13	PASS
		6	0	4.95	<13	PASS
	HCH	1	0	3.44	<13	PASS
		6	0	4.64	<13	PASS
16QAM	LCH	1	0	4.31	<13	PASS
		6	0	5.21	<13	PASS
	MCH	1	0	4.18	<13	PASS
		6	0	5.21	<13	PASS
	HCH	1	0	3.59	<13	PASS
		6	0	4.8	<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	3.99	<13	PASS
		15	0	5.02	<13	PASS
	MCH	1	0	3.98	<13	PASS
		15	0	5.14	<13	PASS
	HCH	1	0	3.2	<13	PASS
		15	0	4.91	<13	PASS
16QAM	LCH	1	0	4.17	<13	PASS
		15	0	5.35	<13	PASS
	MCH	1	0	4.07	<13	PASS
		15	0	5.49	<13	PASS
	HCH	1	0	3.46	<13	PASS
		15	0	5.14	<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	3.9	<13	PASS
		25	0	5.11	<13	PASS
	MCH	1	0	3.78	<13	PASS
		25	0	5.2	<13	PASS
	HCH	1	0	3.13	<13	PASS
		25	0	4.98	<13	PASS
16QAM	LCH	1	0	4.19	<13	PASS
		25	0	5.36	<13	PASS
	MCH	1	0	4.01	<13	PASS
		25	0	5.45	<13	PASS
	HCH	1	0	3.28	<13	PASS
		25	0	5.22	<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	4.3	<13	PASS
		50	0	4.99	<13	PASS
	MCH	1	0	3.85	<13	PASS
		50	0	5.25	<13	PASS
	HCH	1	0	3.54	<13	PASS
		50	0	5.03	<13	PASS
16QAM	LCH	1	0	4.5	<13	PASS
		50	0	5.3	<13	PASS
	MCH	1	0	3.94	<13	PASS
		50	0	5.6	<13	PASS
	HCH	1	0	3.84	<13	PASS
		50	0	5.36	<13	PASS

Channel Bandwidth: 15 MHz

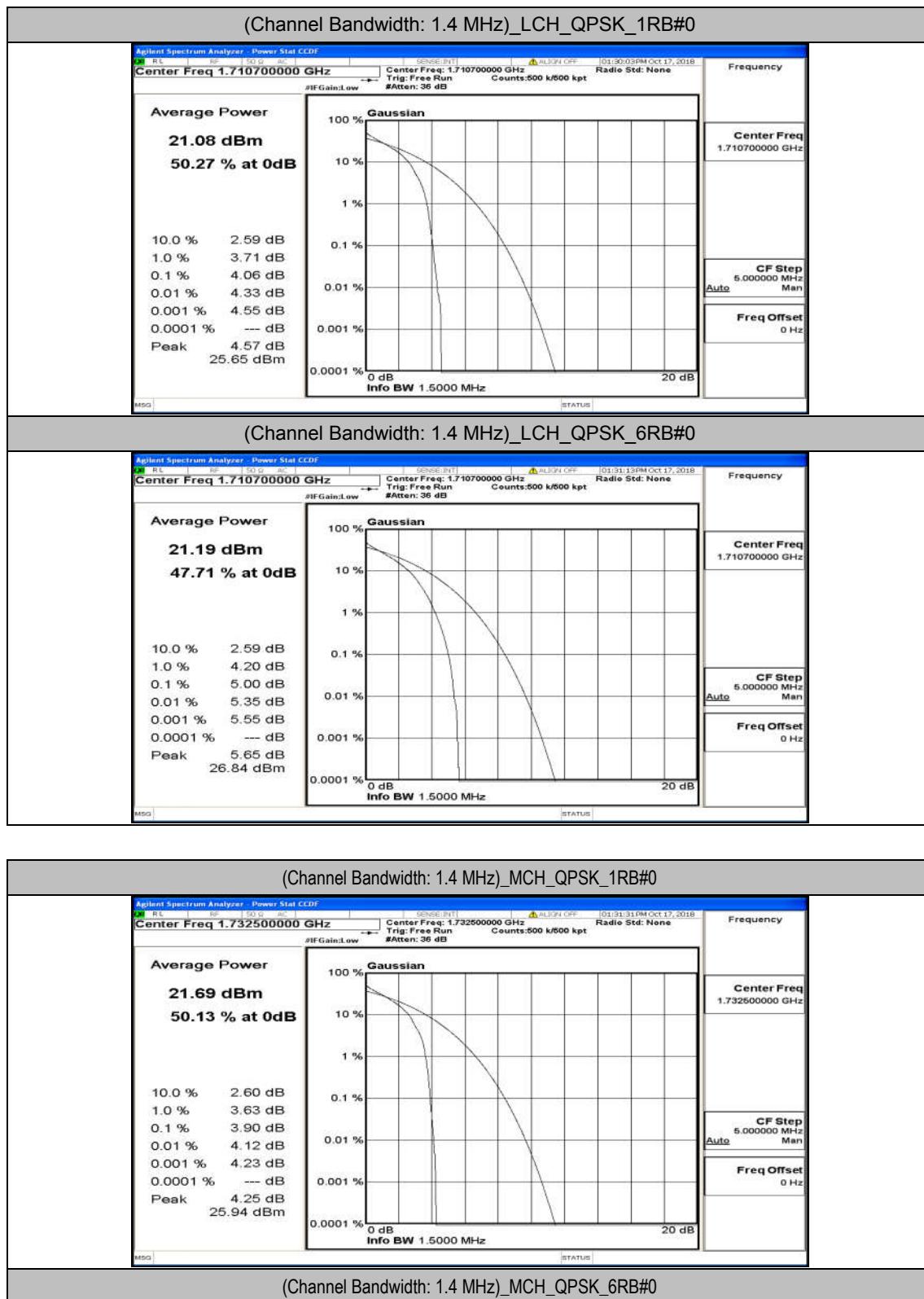
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	6.45	<13	PASS
		75	0	4.94	<13	PASS
	MCH	1	0	6.54	<13	PASS
		75	0	5	<13	PASS
	HCH	1	0	6.20	<13	PASS
		75	0	4.93	<13	PASS
16QAM	LCH	1	0	5.66	<13	PASS
		75	0	5.98	<13	PASS
	MCH	1	0	5.67	<13	PASS
		75	0	6.13	<13	PASS
	HCH	1	0	5.14	<13	PASS
		75	0	5.99	<13	PASS

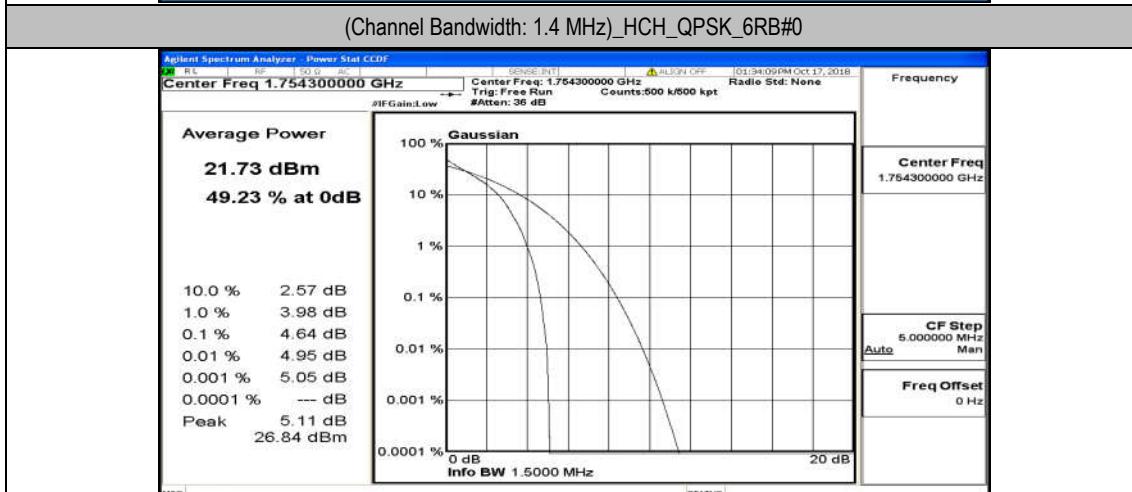
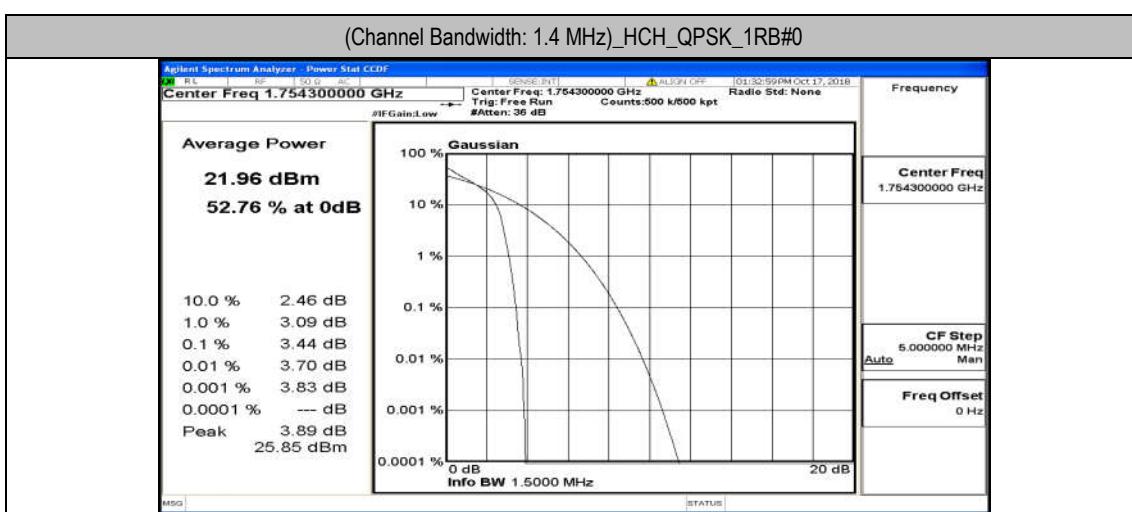
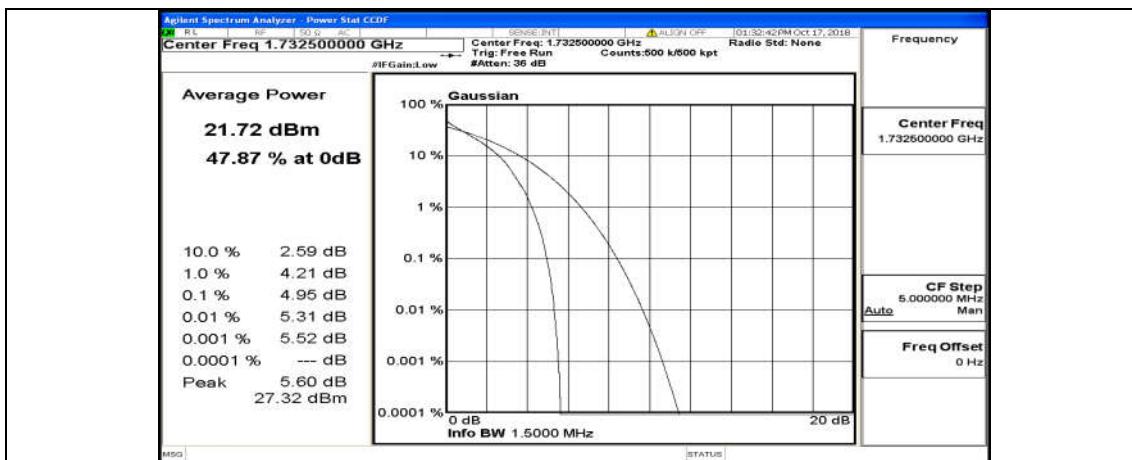
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.69	<13	PASS
		100	0	5.7	<13	PASS
	MCH	1	0	5.47	<13	PASS
		100	0	5.72	<13	PASS
	HCH	1	0	5.26	<13	PASS
		100	0	5.69	<13	PASS
16QAM	LCH	1	0	6.65	<13	PASS
		100	0	6.61	<13	PASS
	MCH	1	0	6.36	<13	PASS
		100	0	6.8	<13	PASS
	HCH	1	0	6.01	<13	PASS
		100	0	6.59	<13	PASS

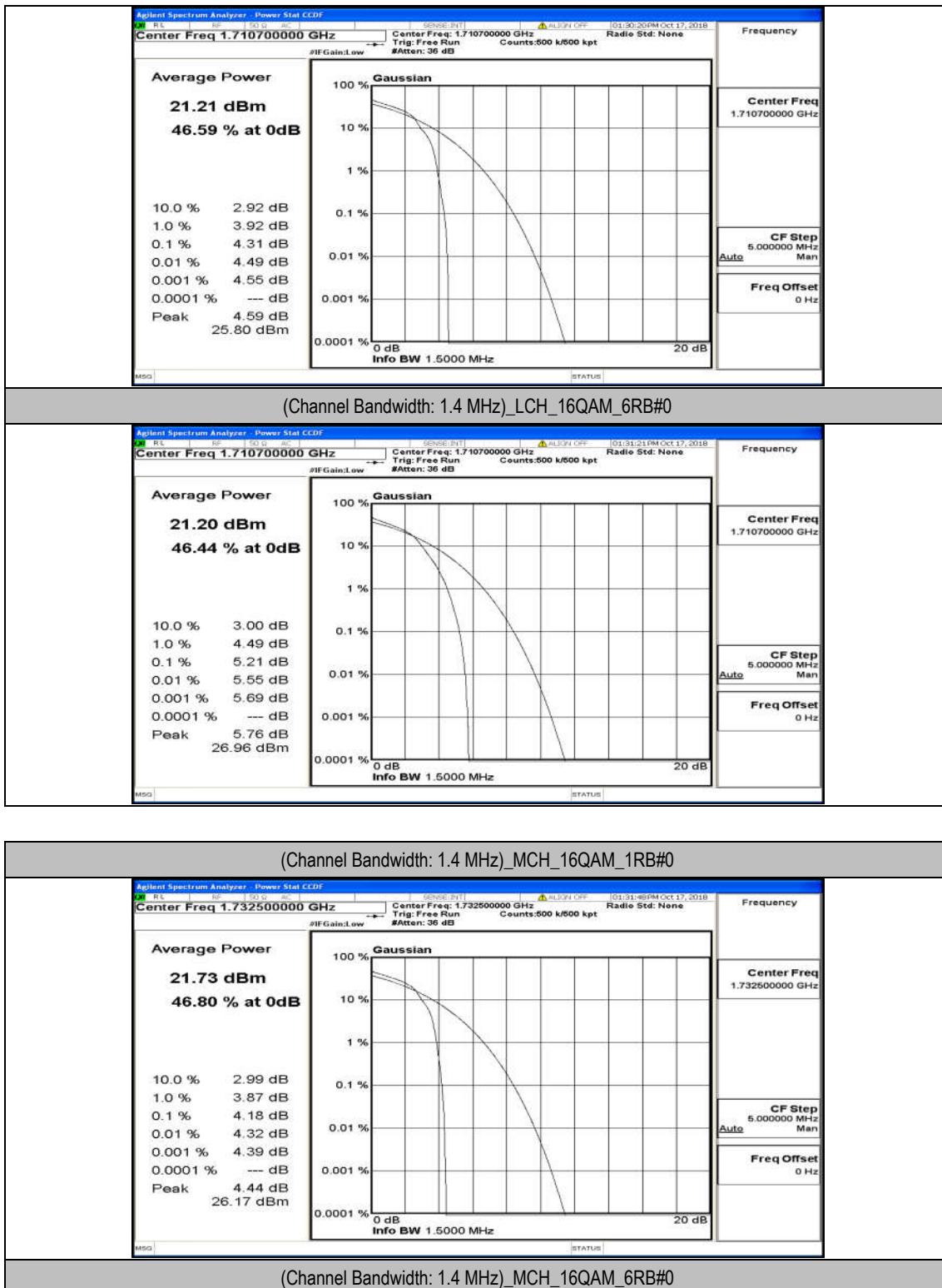
Test Graphs

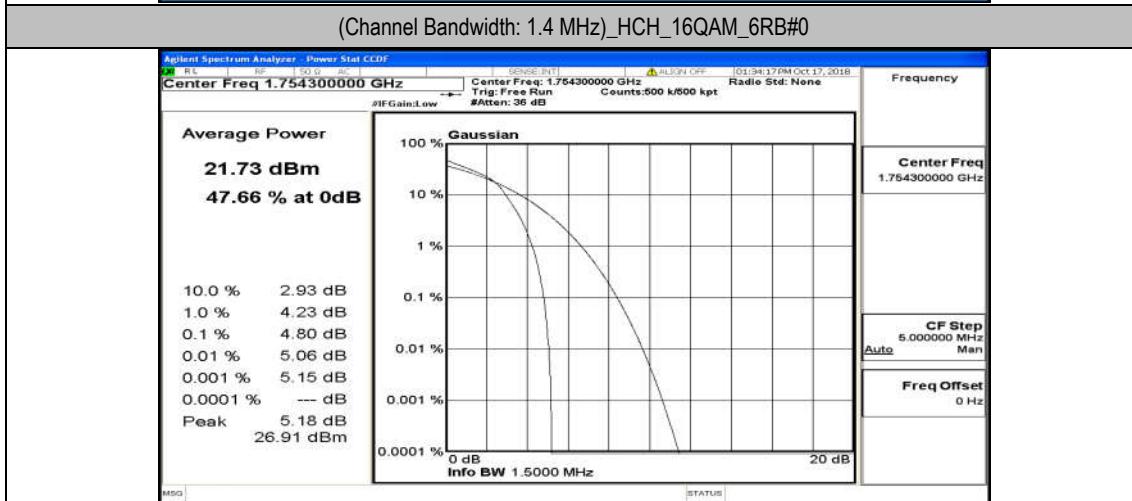
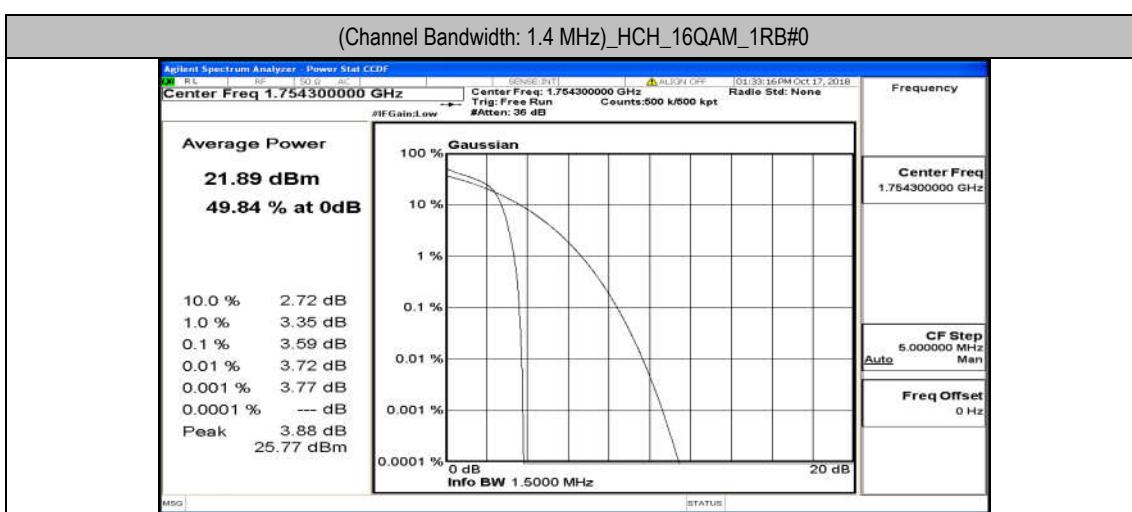
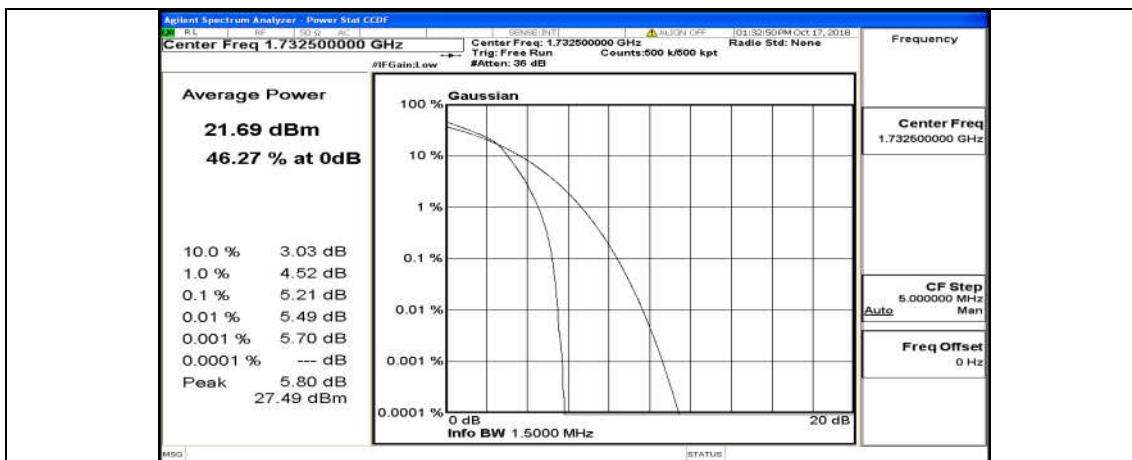
Channel Bandwidth: 1.4 MHz



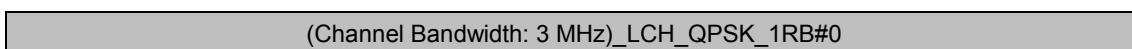


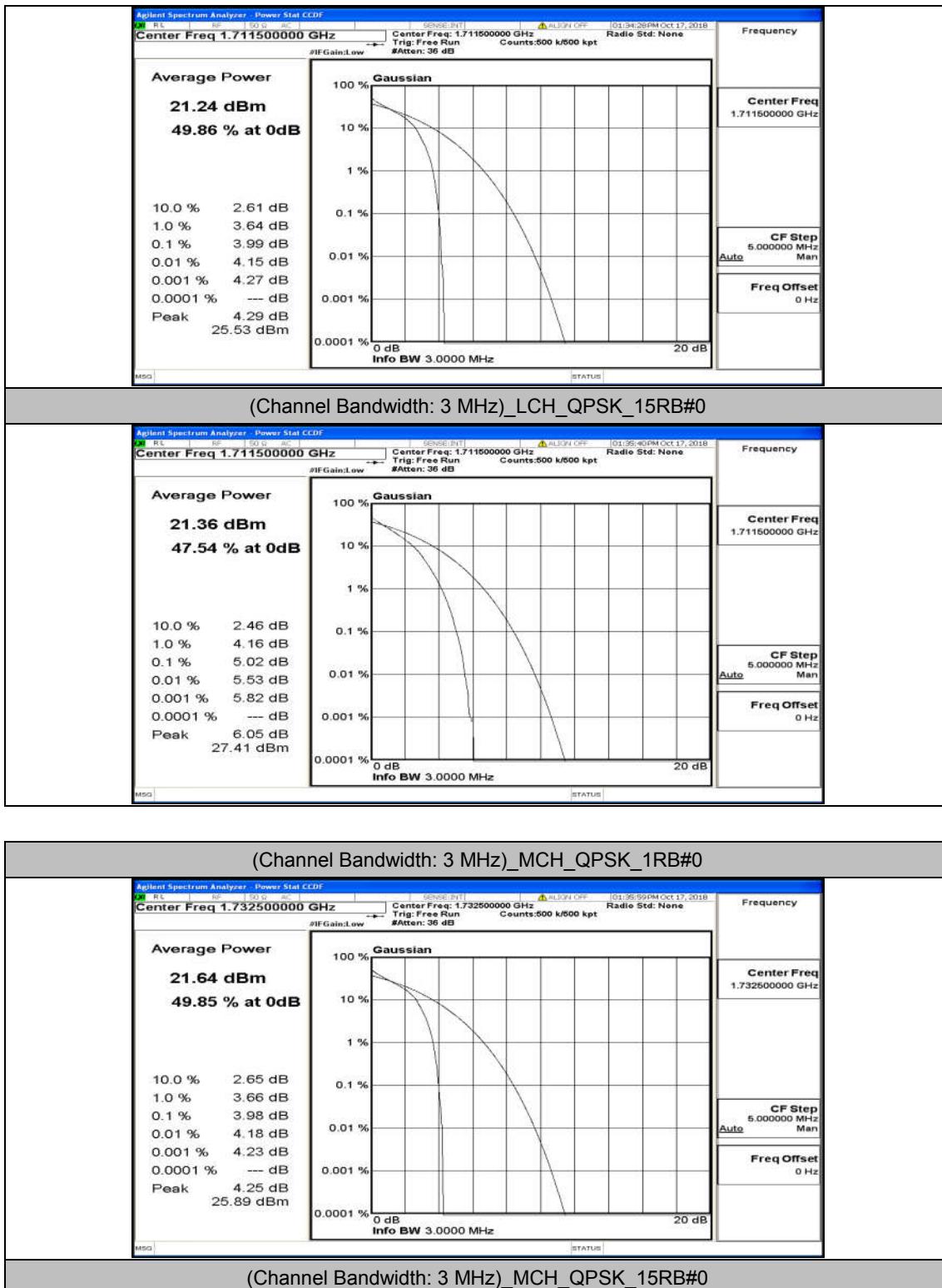
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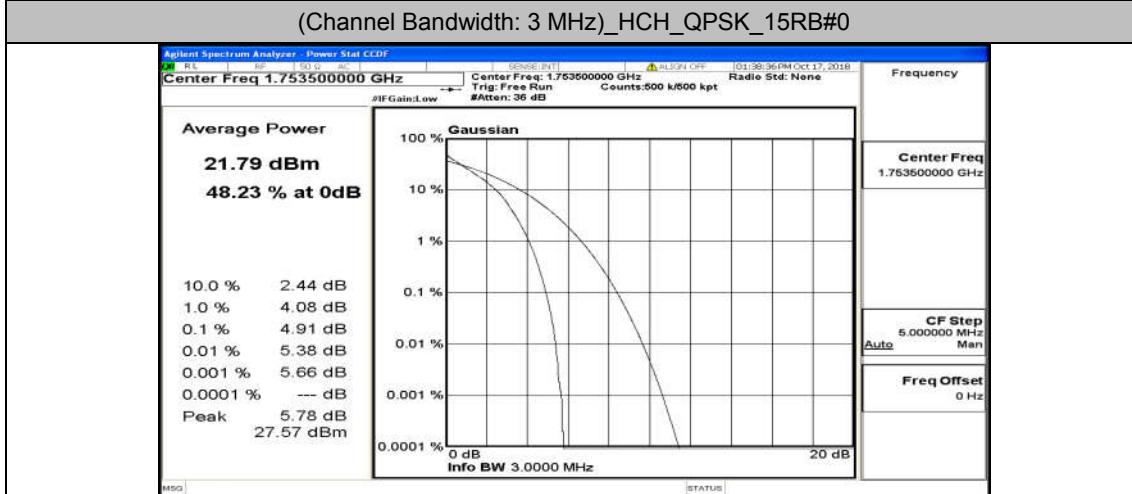
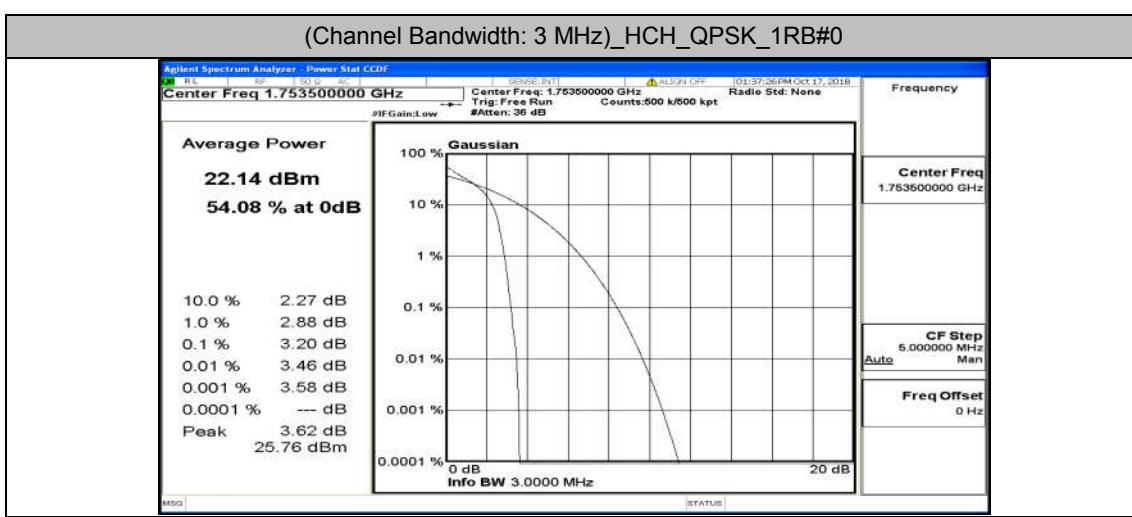
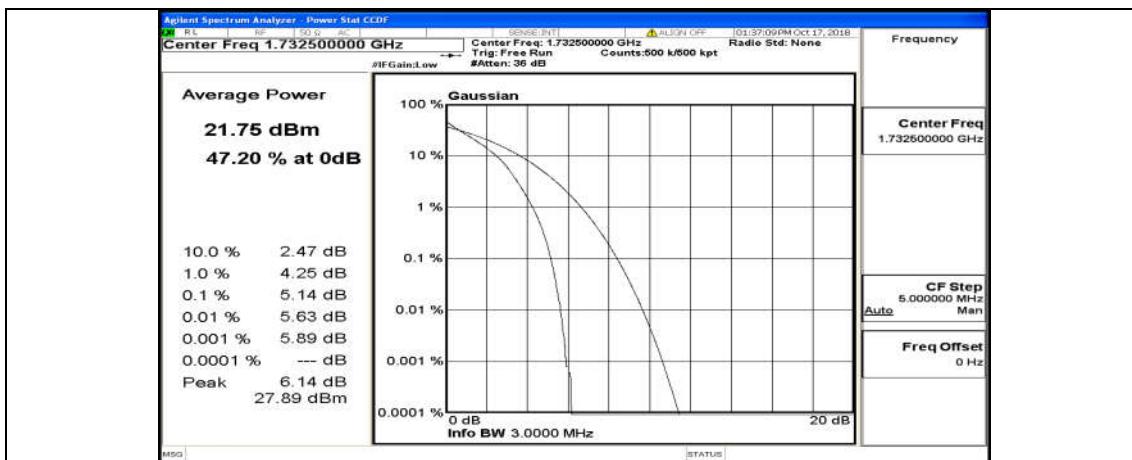




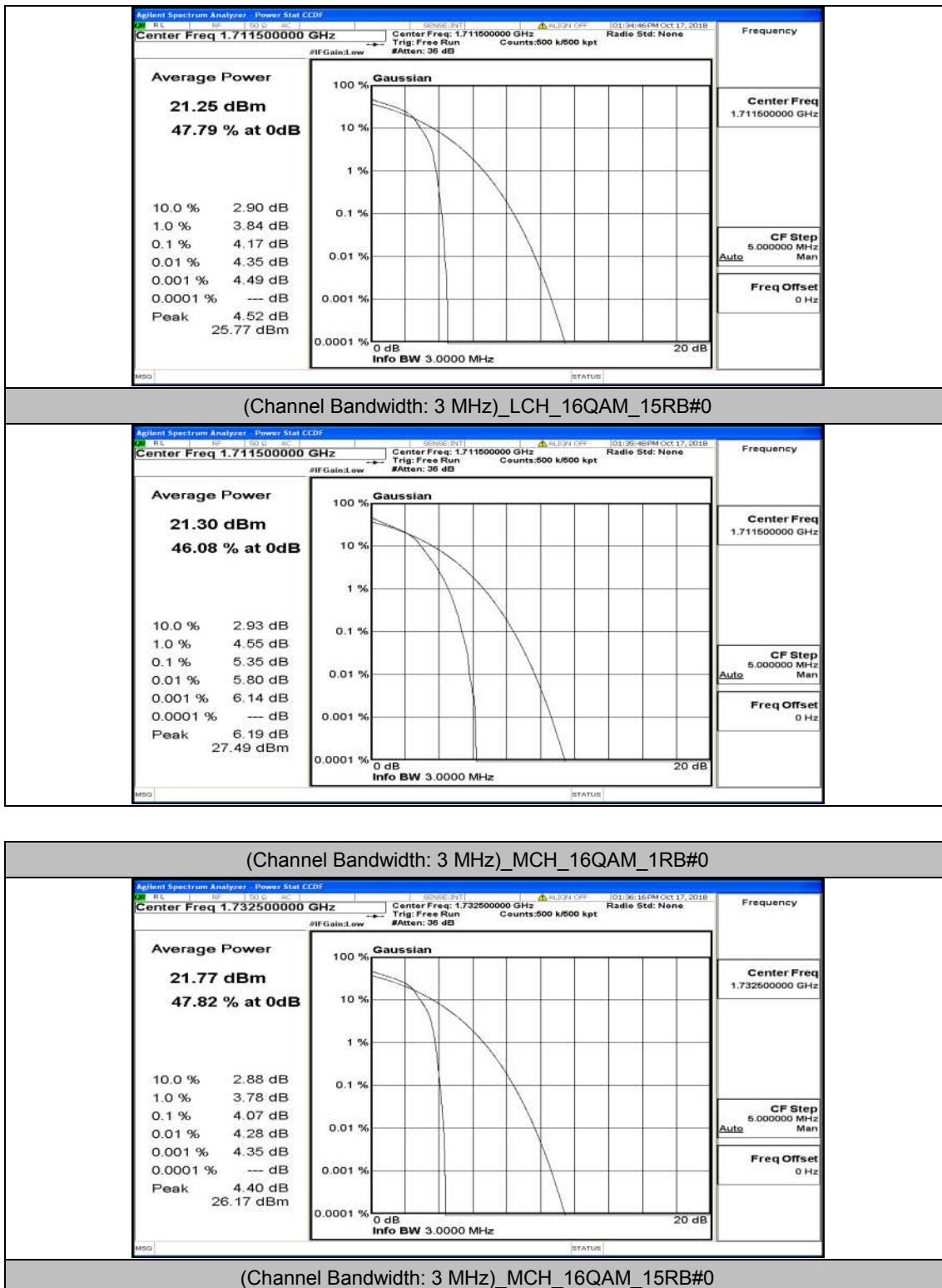
Channel Bandwidth: 3 MHz

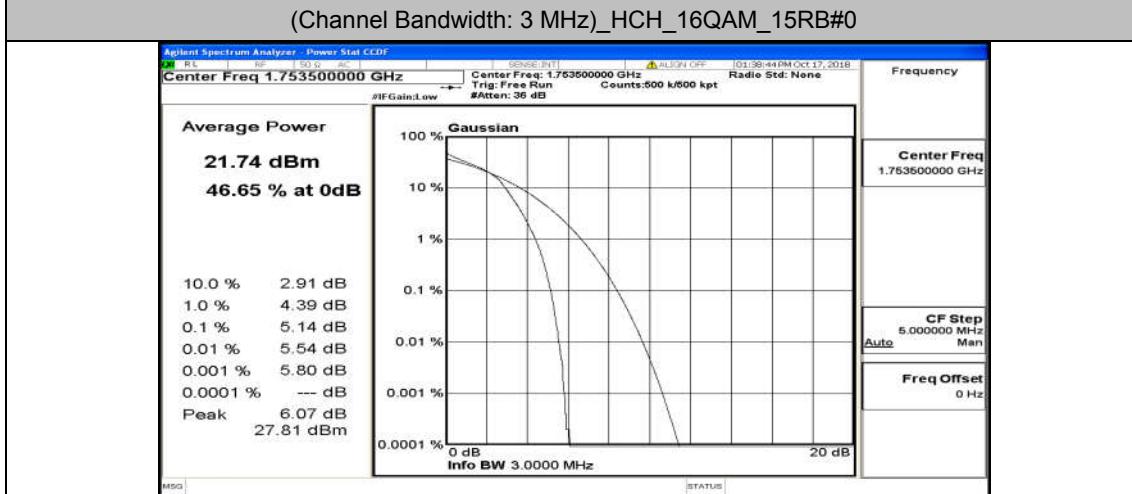
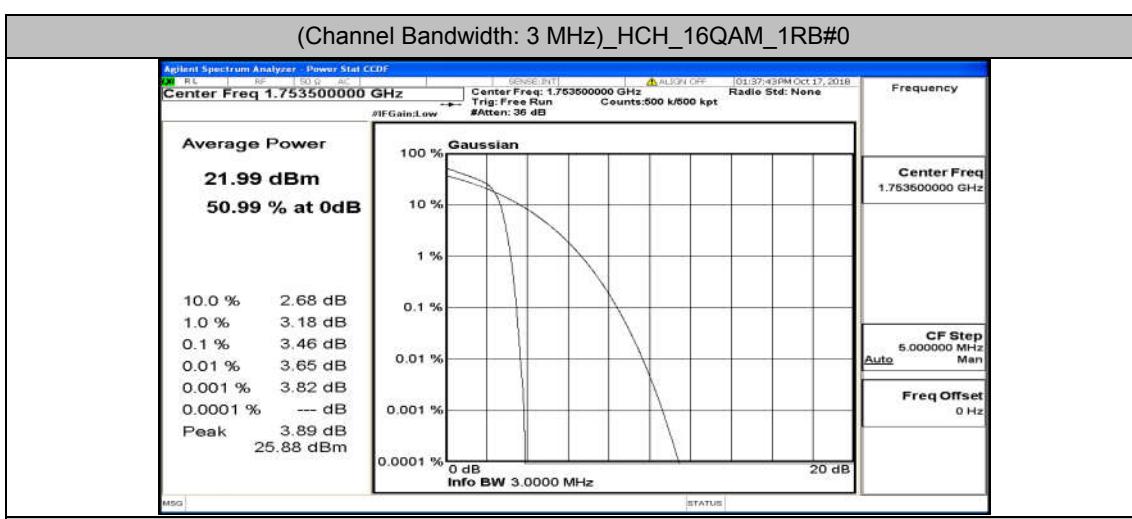
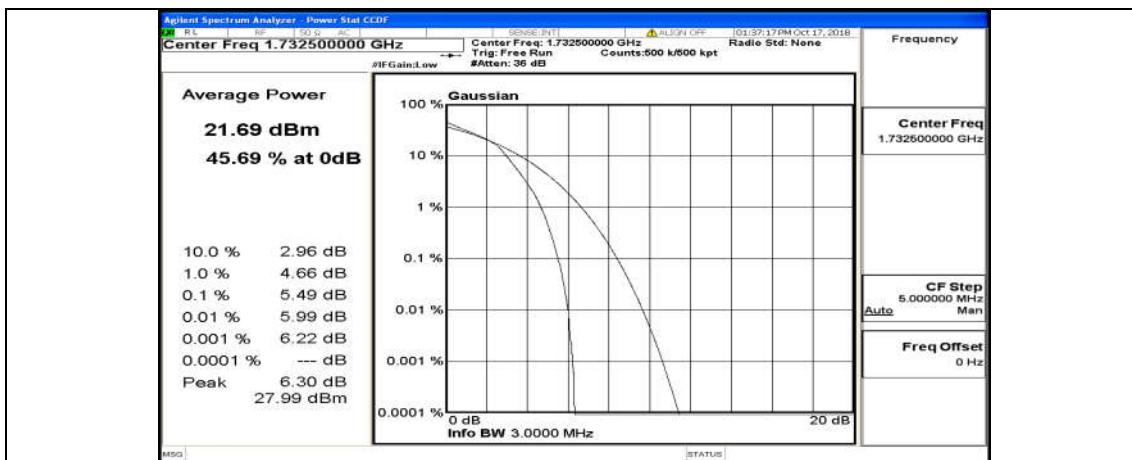




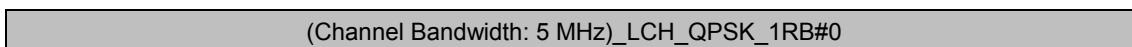


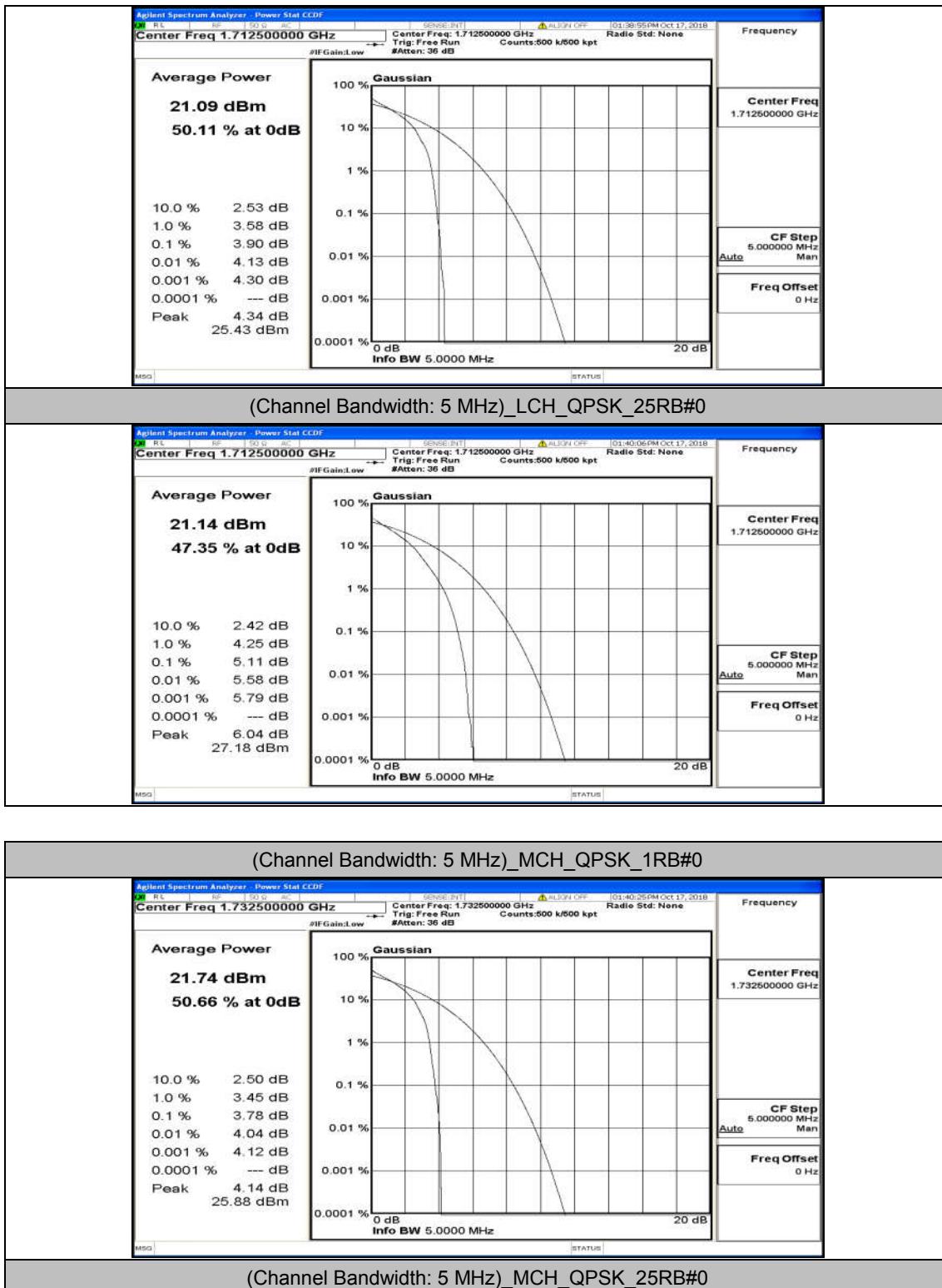
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0

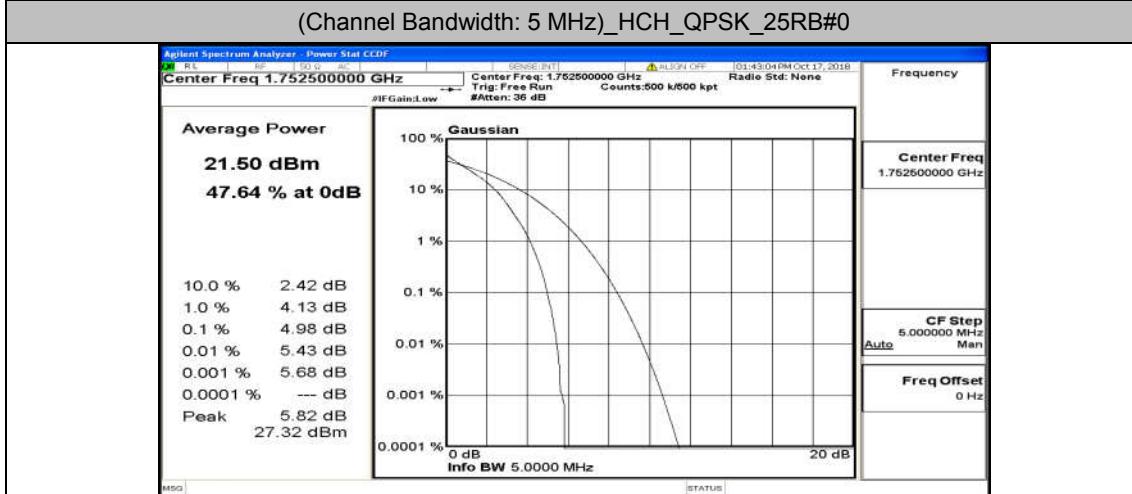
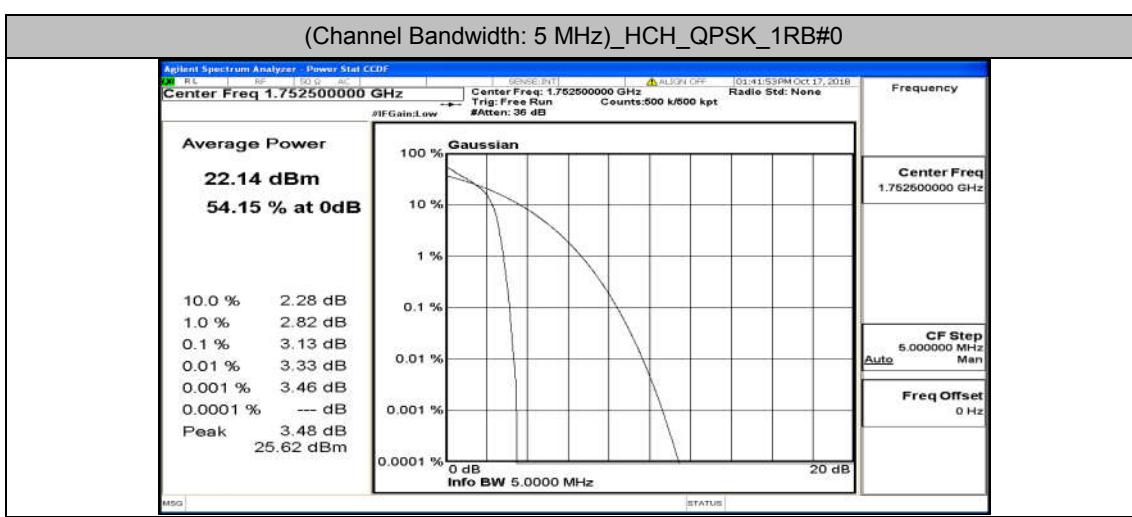
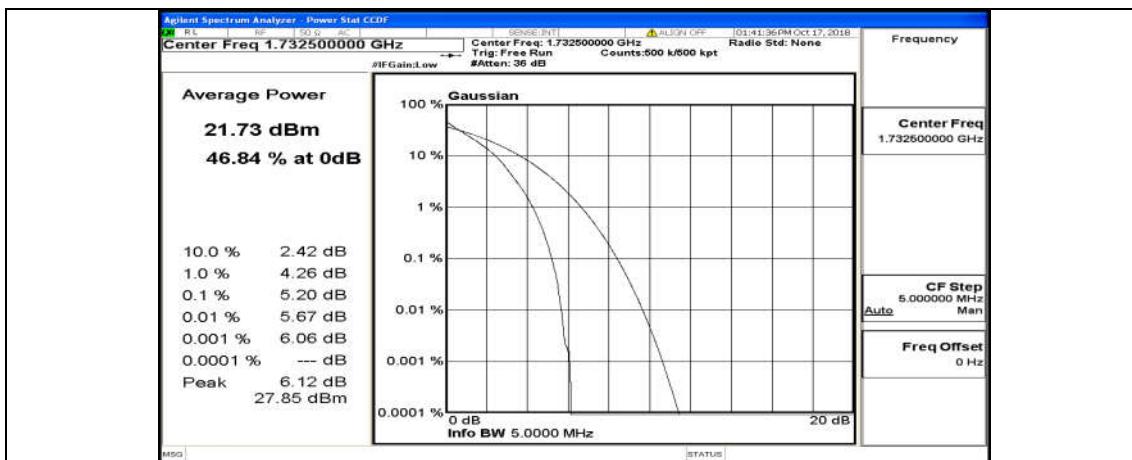




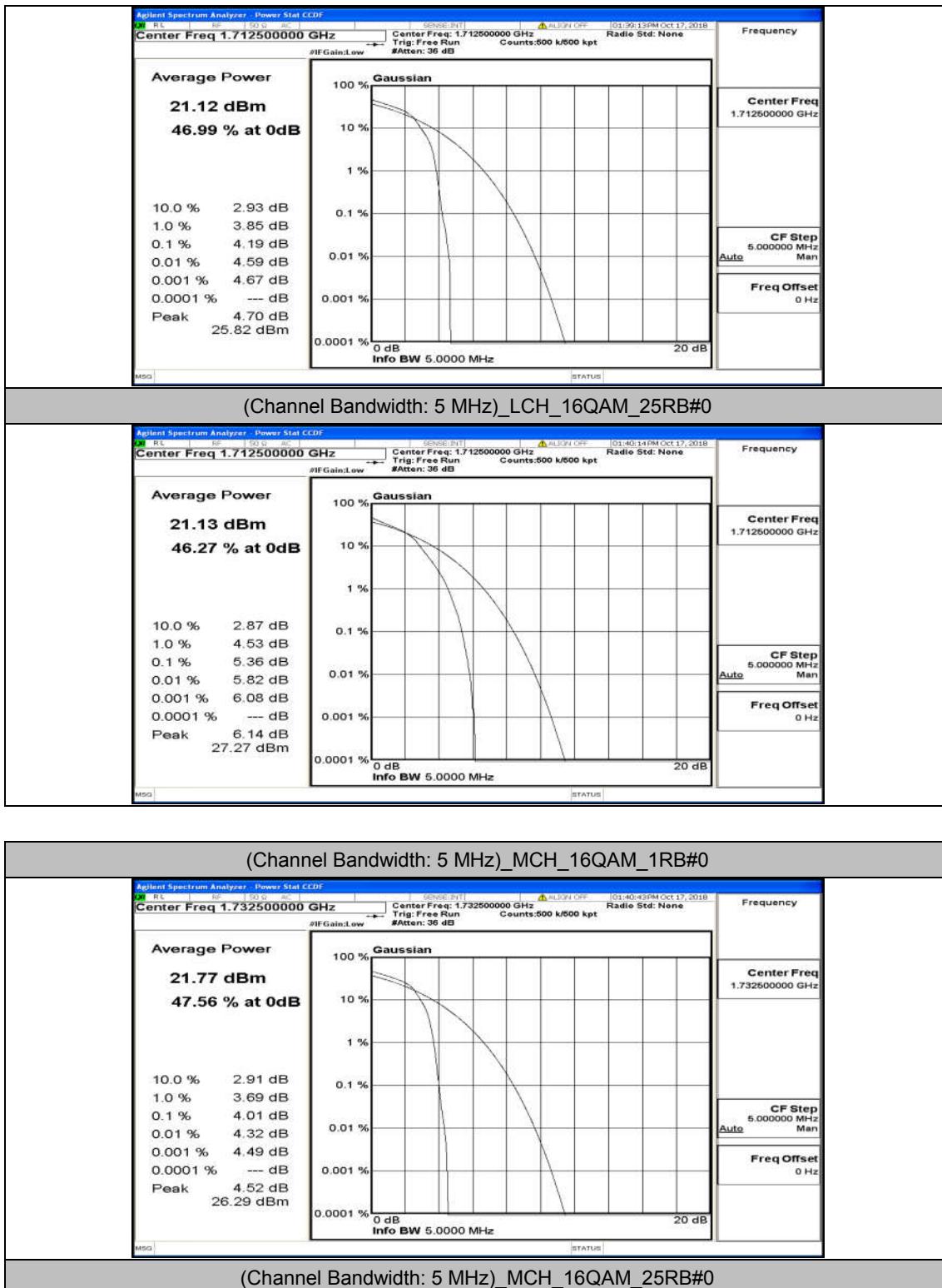
Channel Bandwidth: 5 MHz

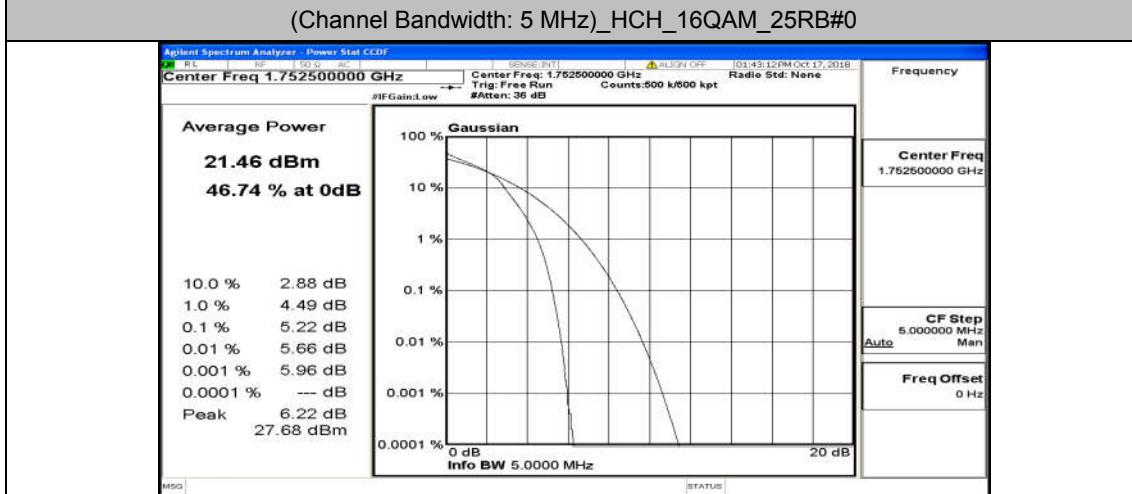
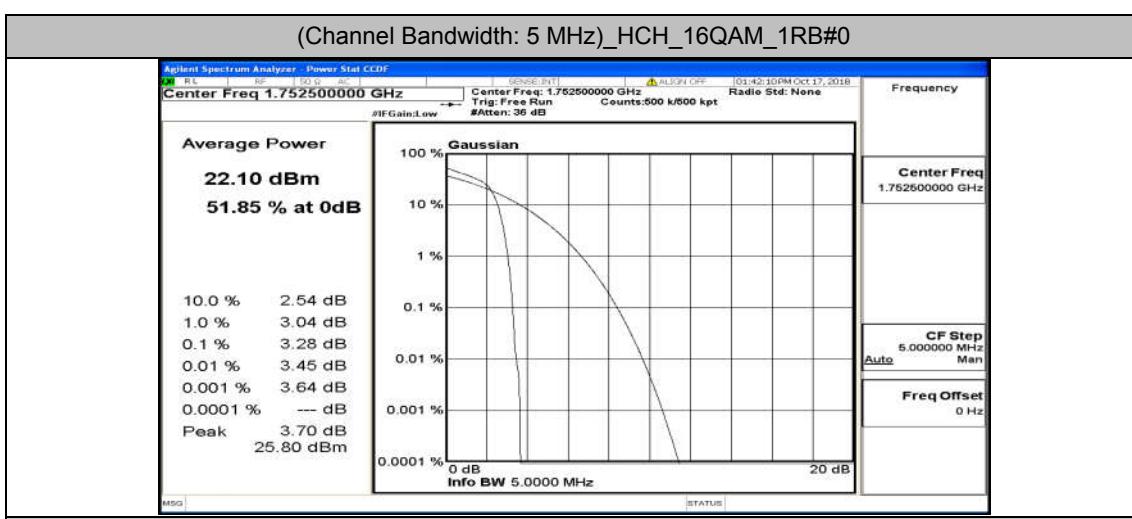
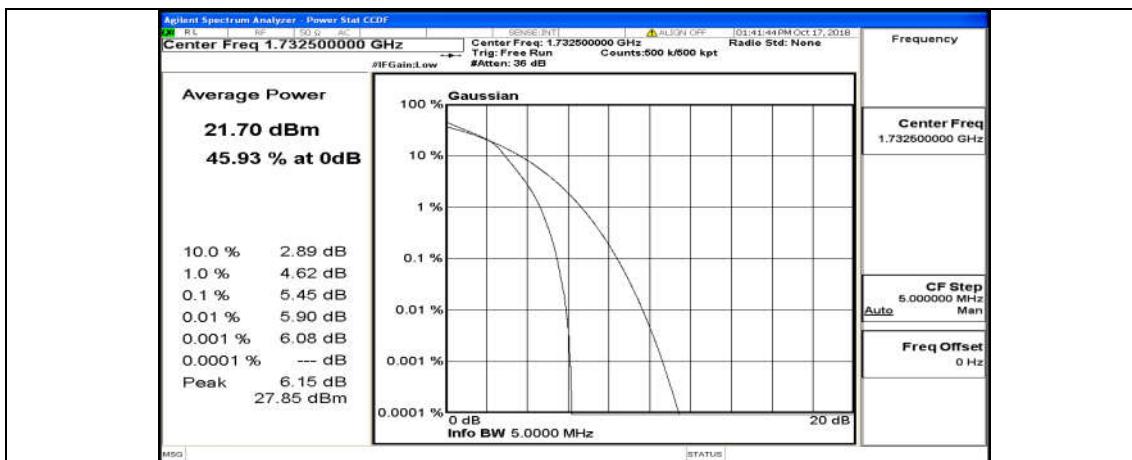






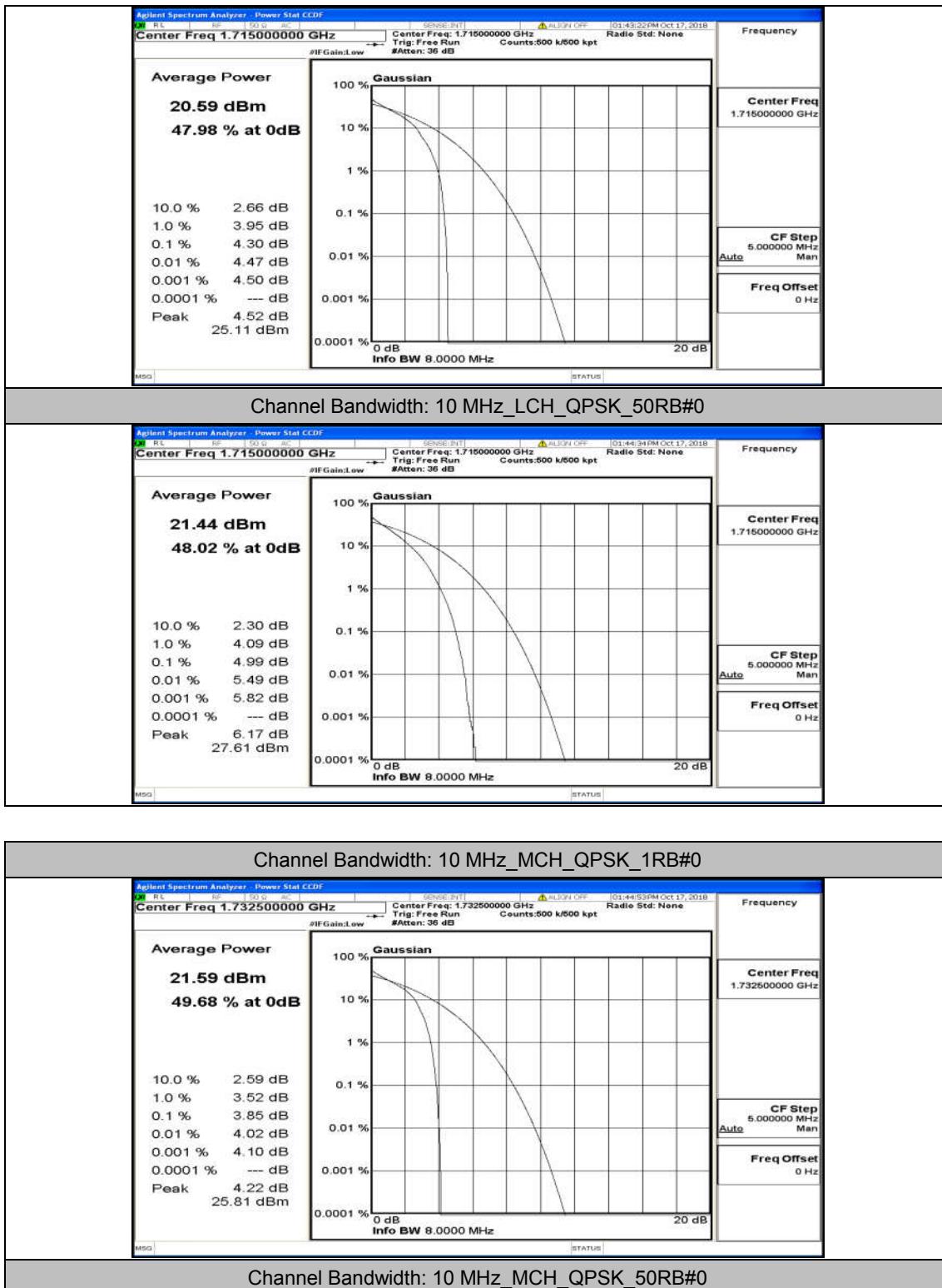
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

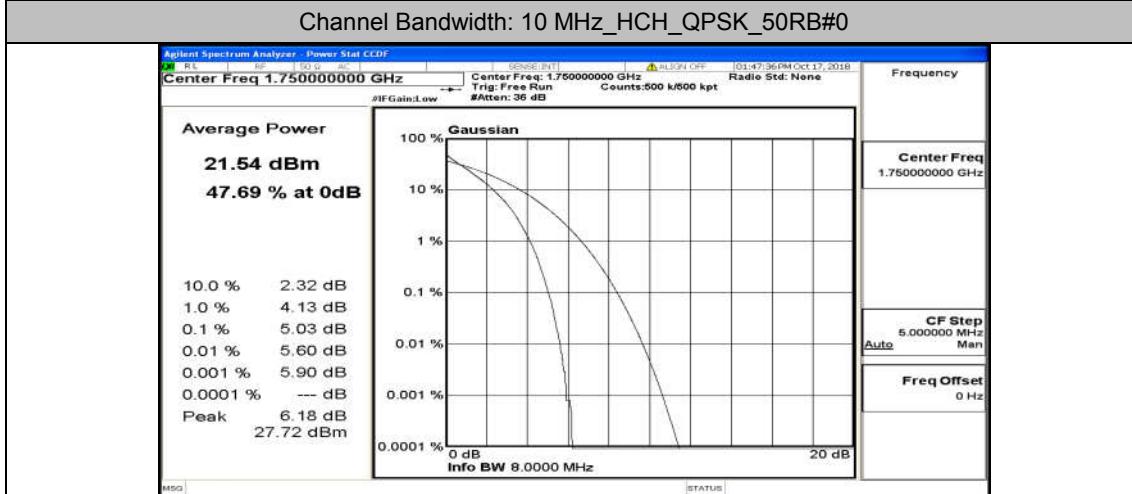
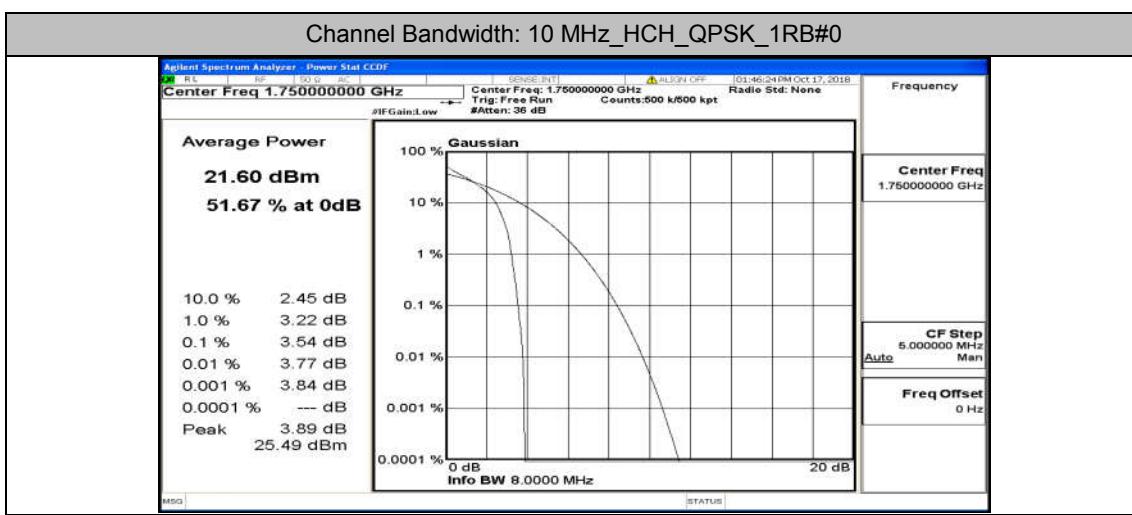
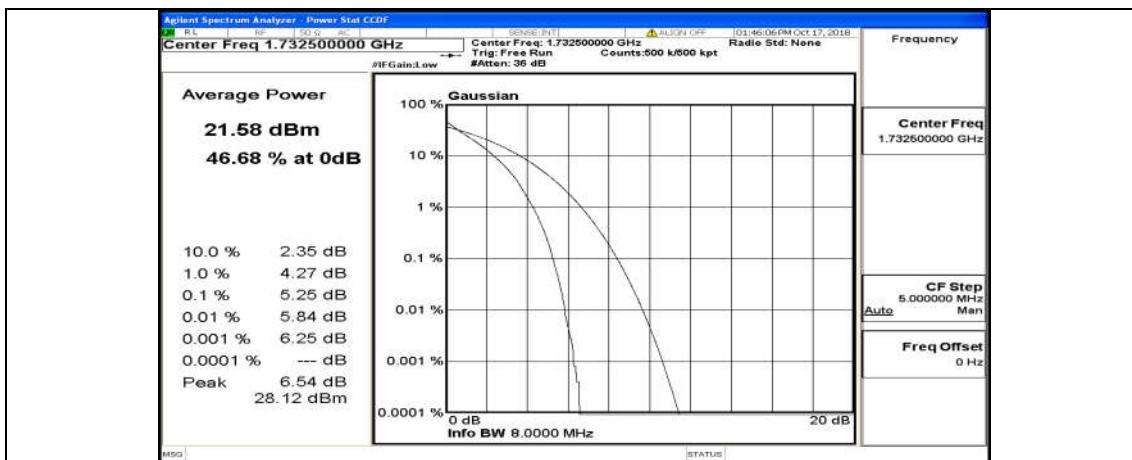




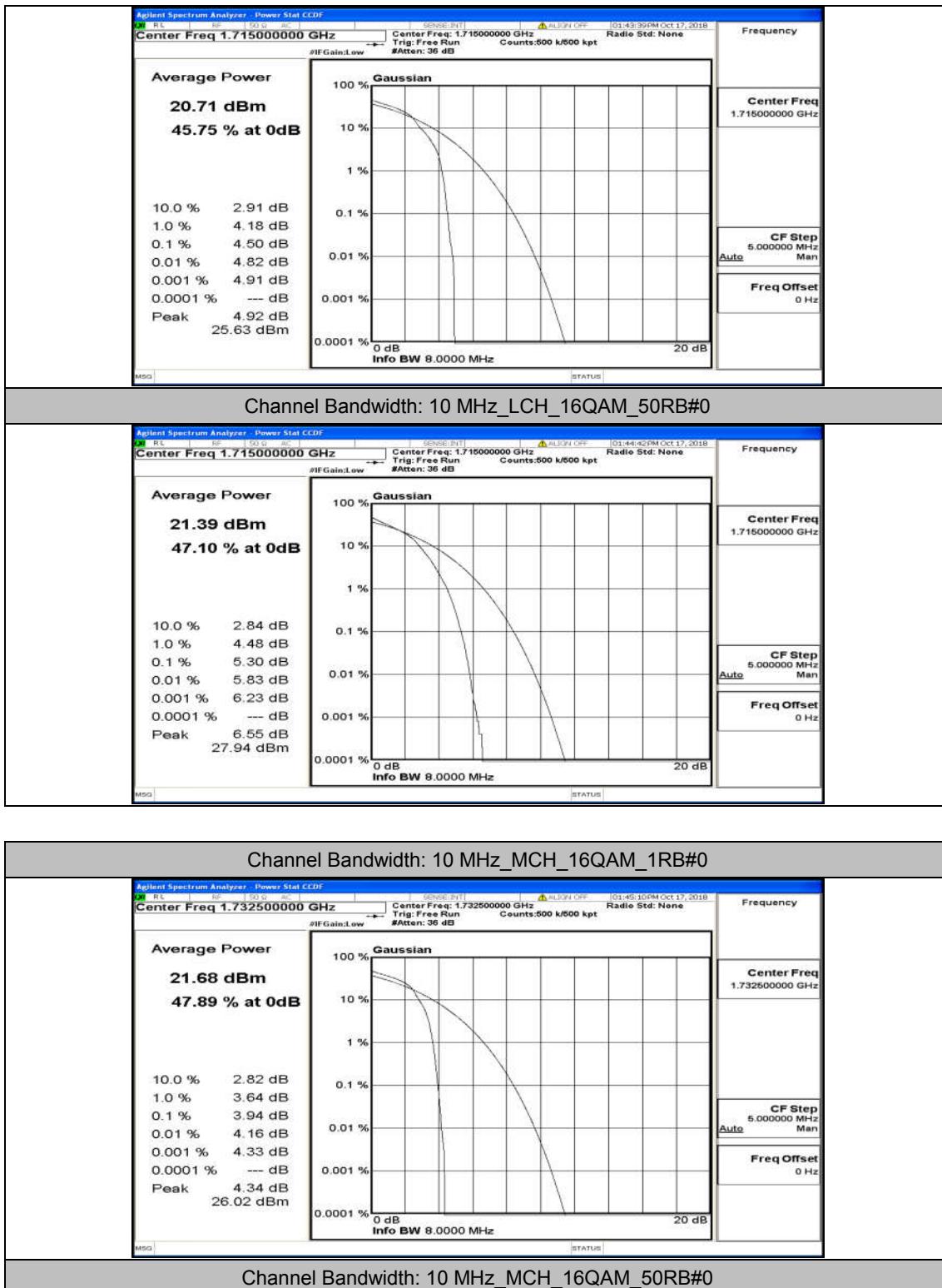
Channel Bandwidth: 10 MHz

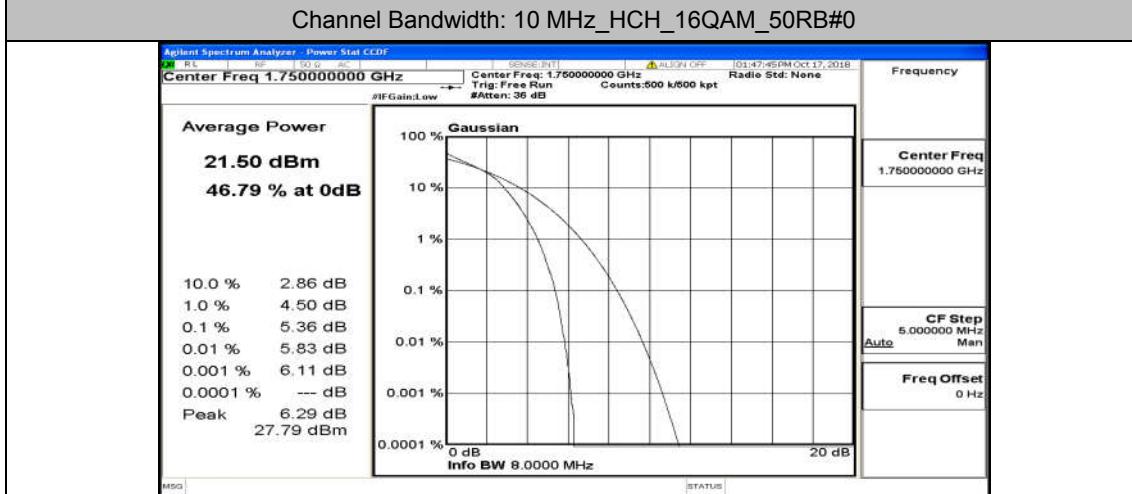
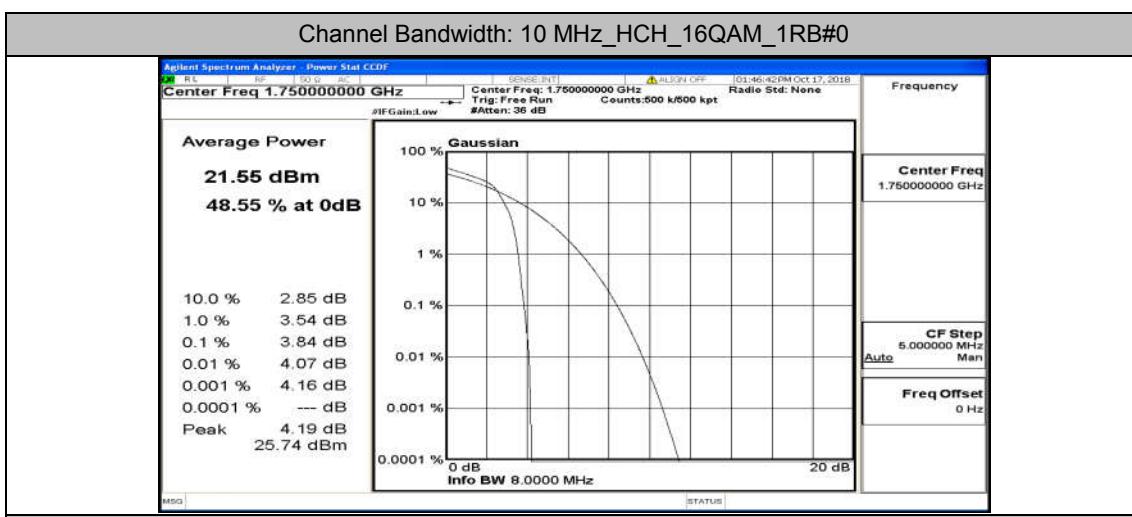
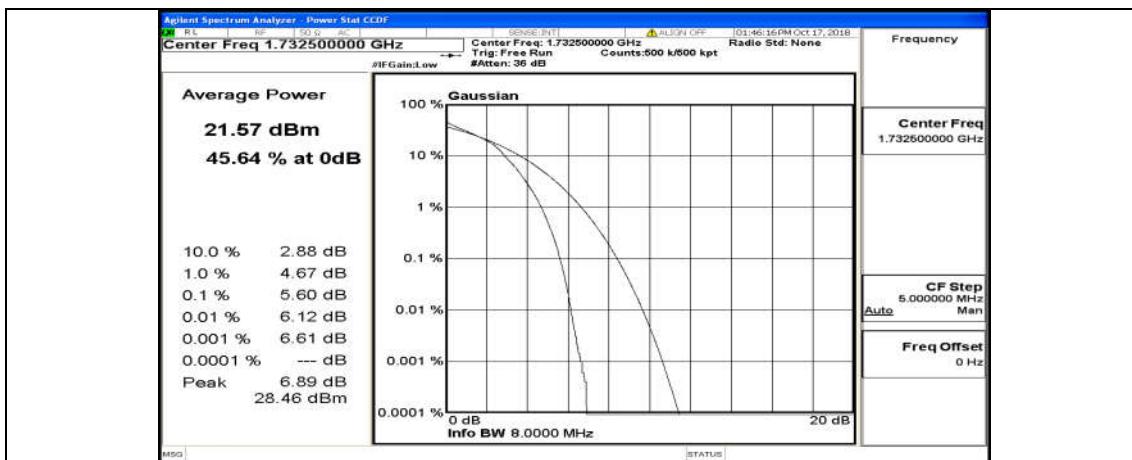
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0





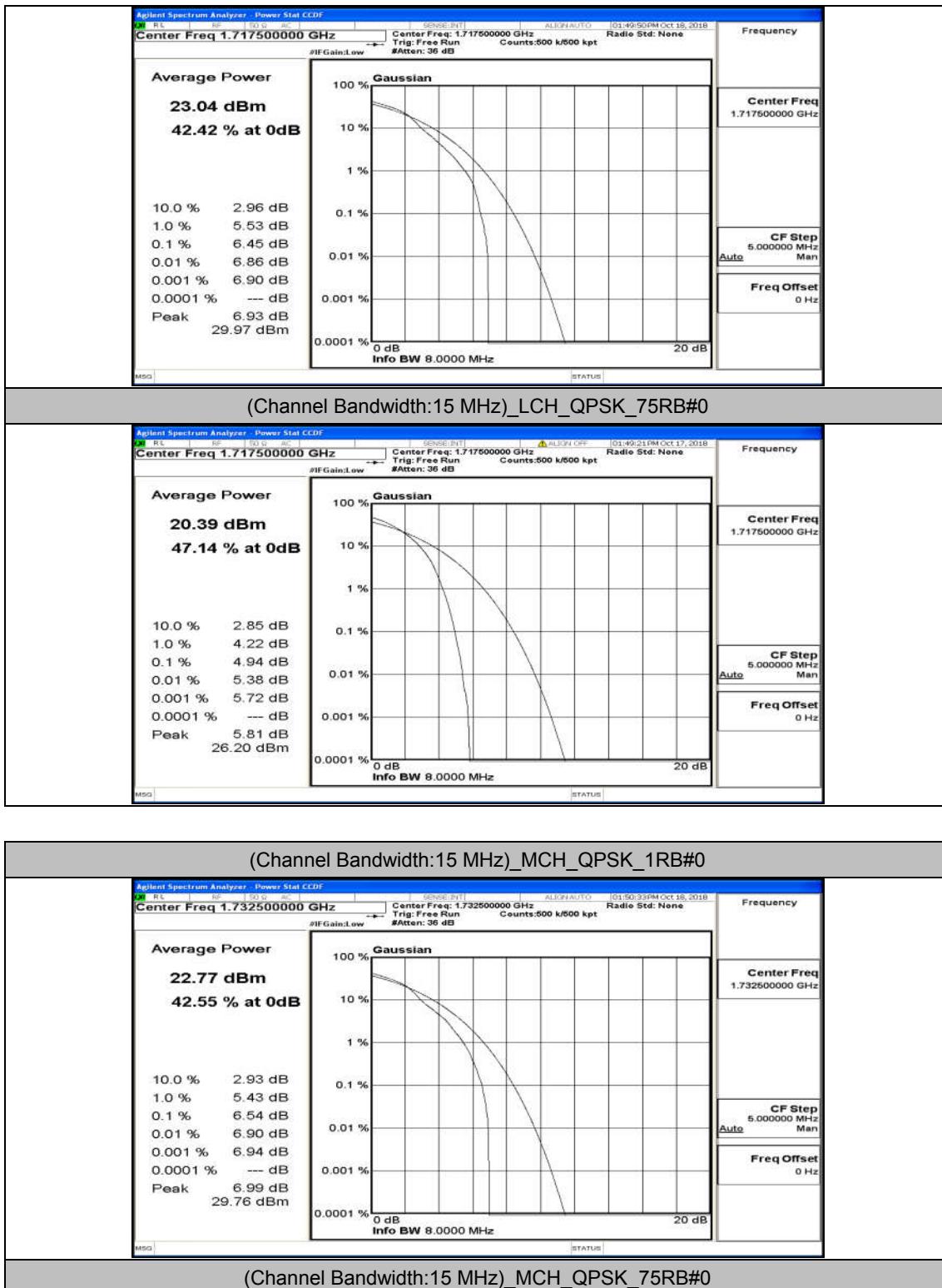
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

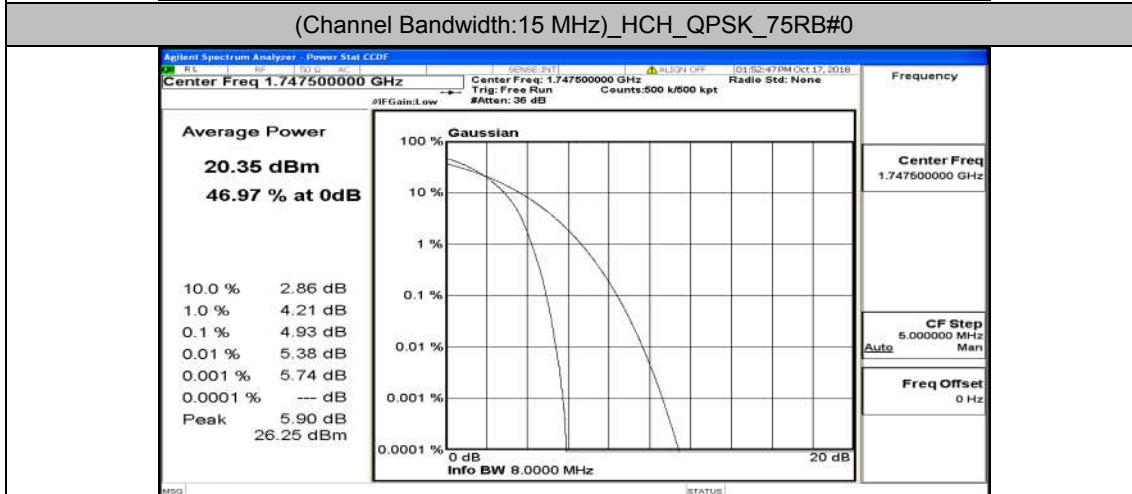
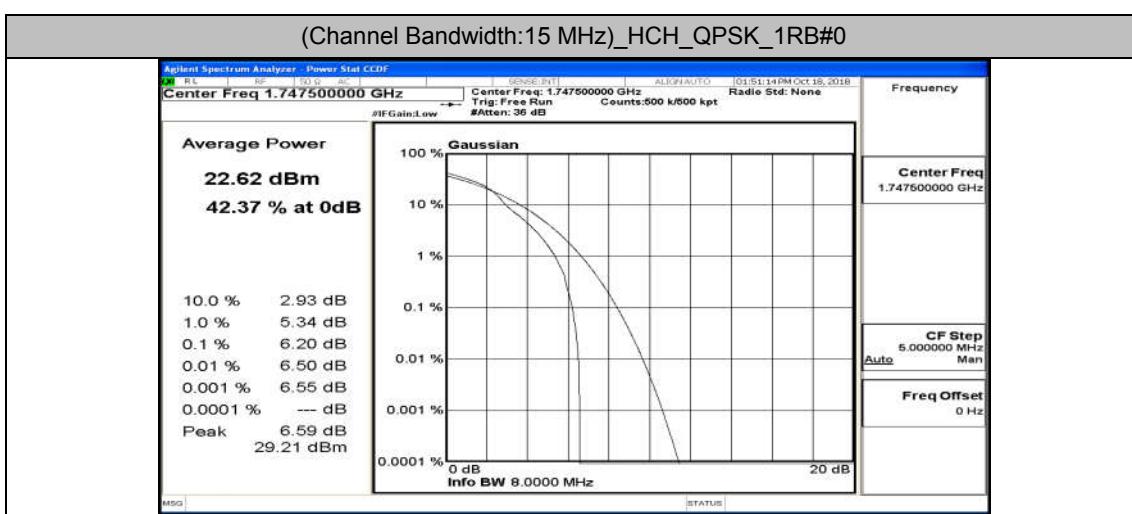
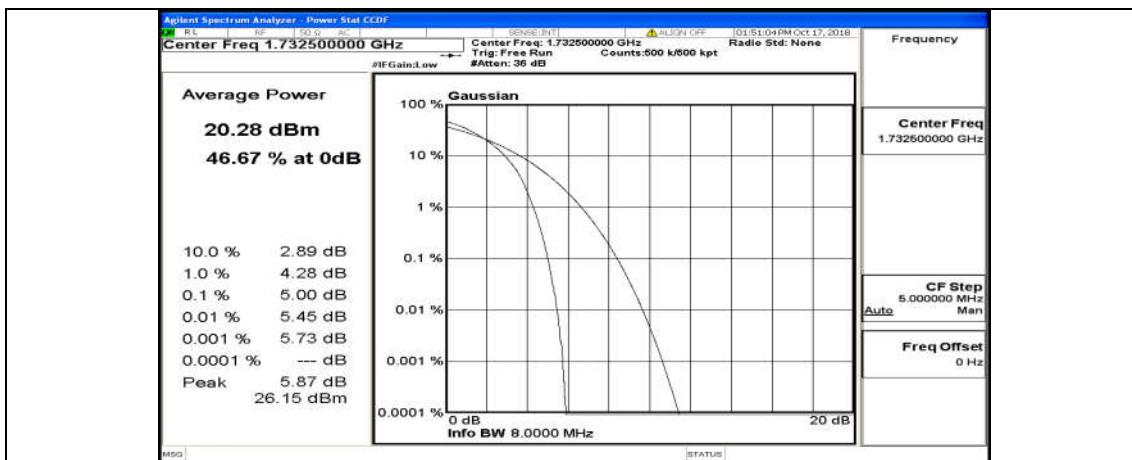




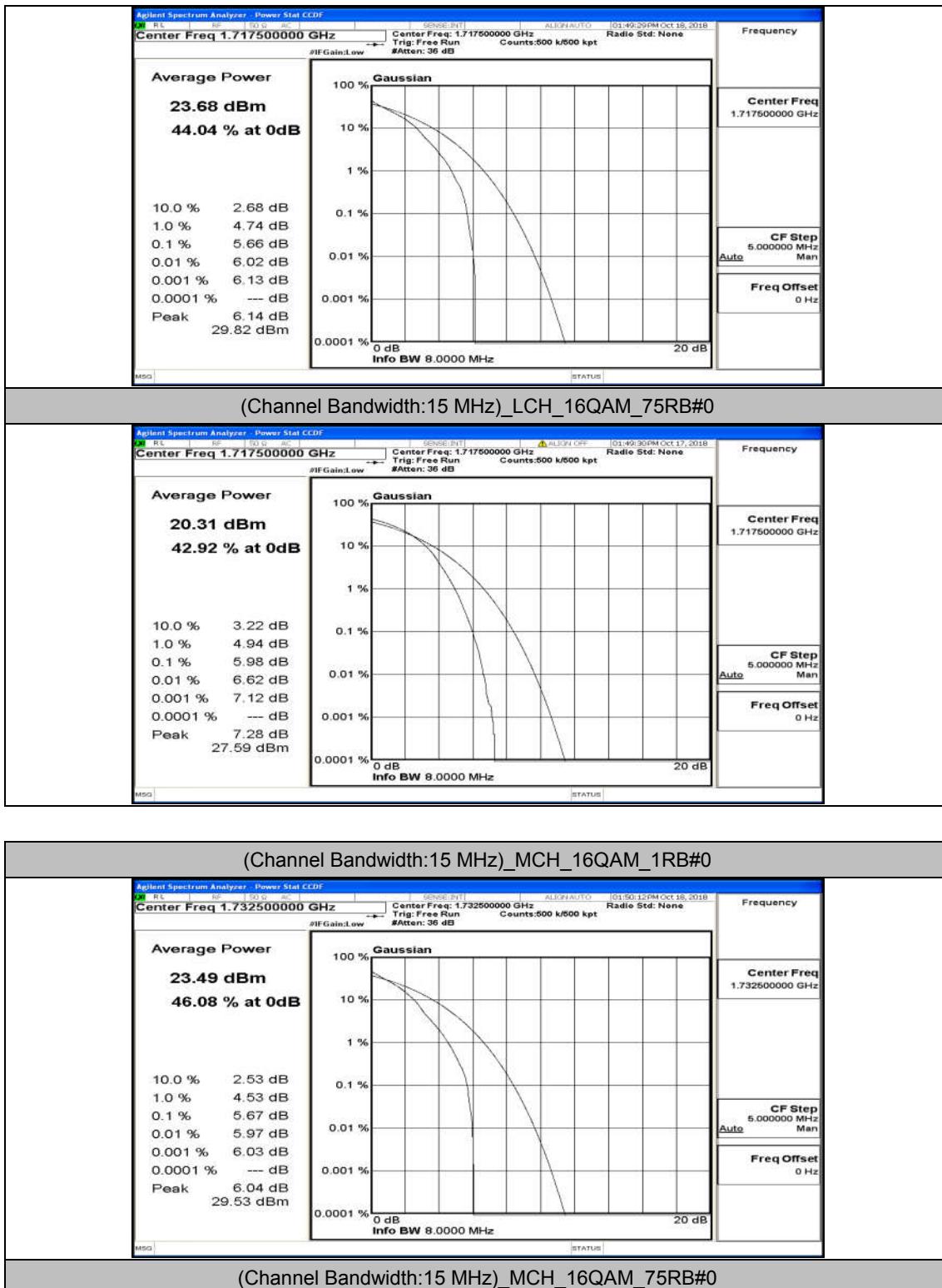
Channel Bandwidth: 15 MHz

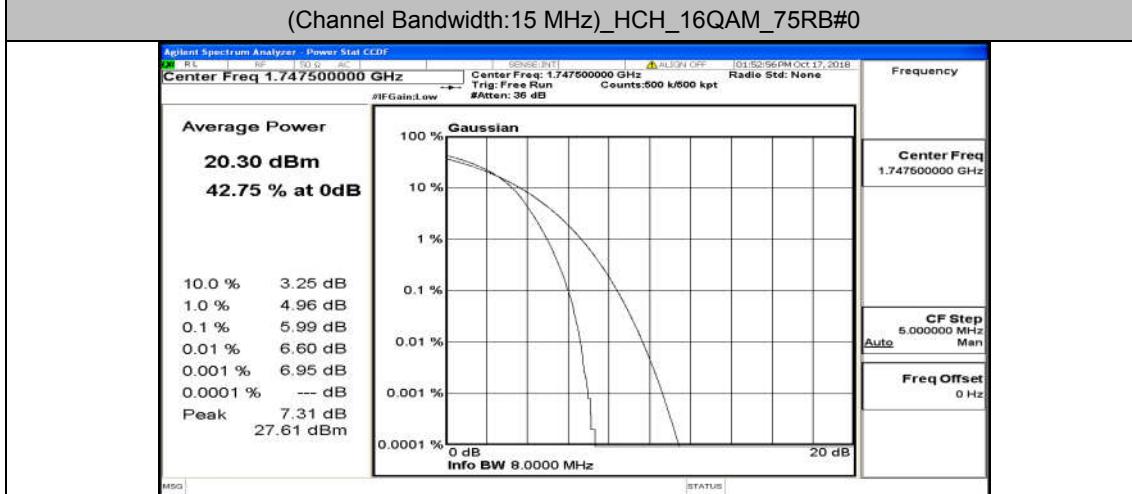
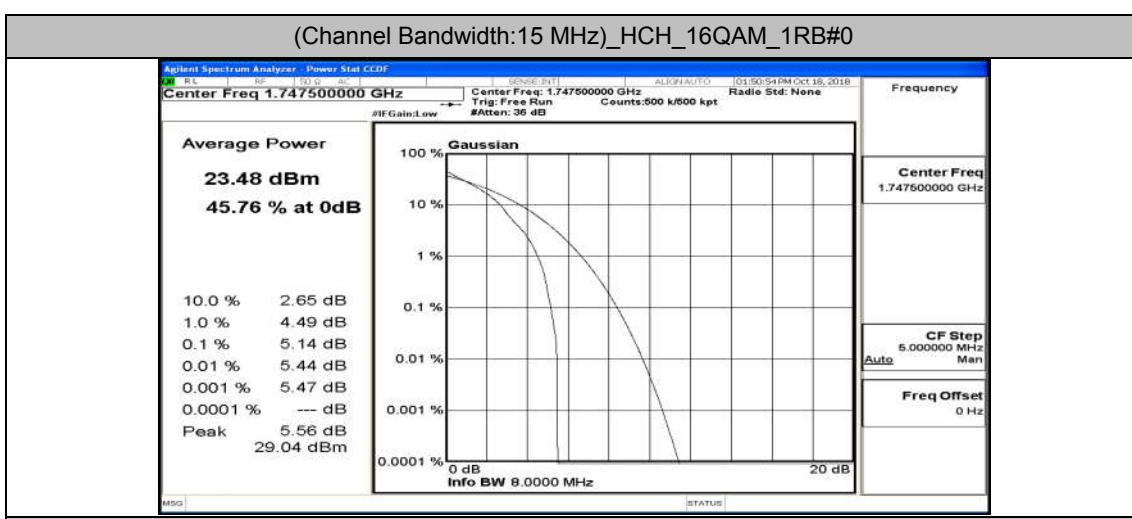
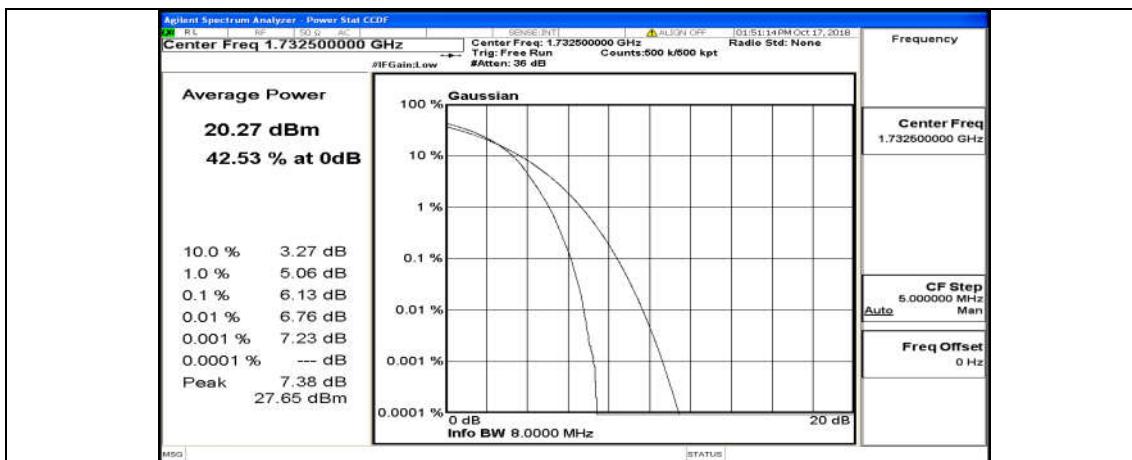
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0





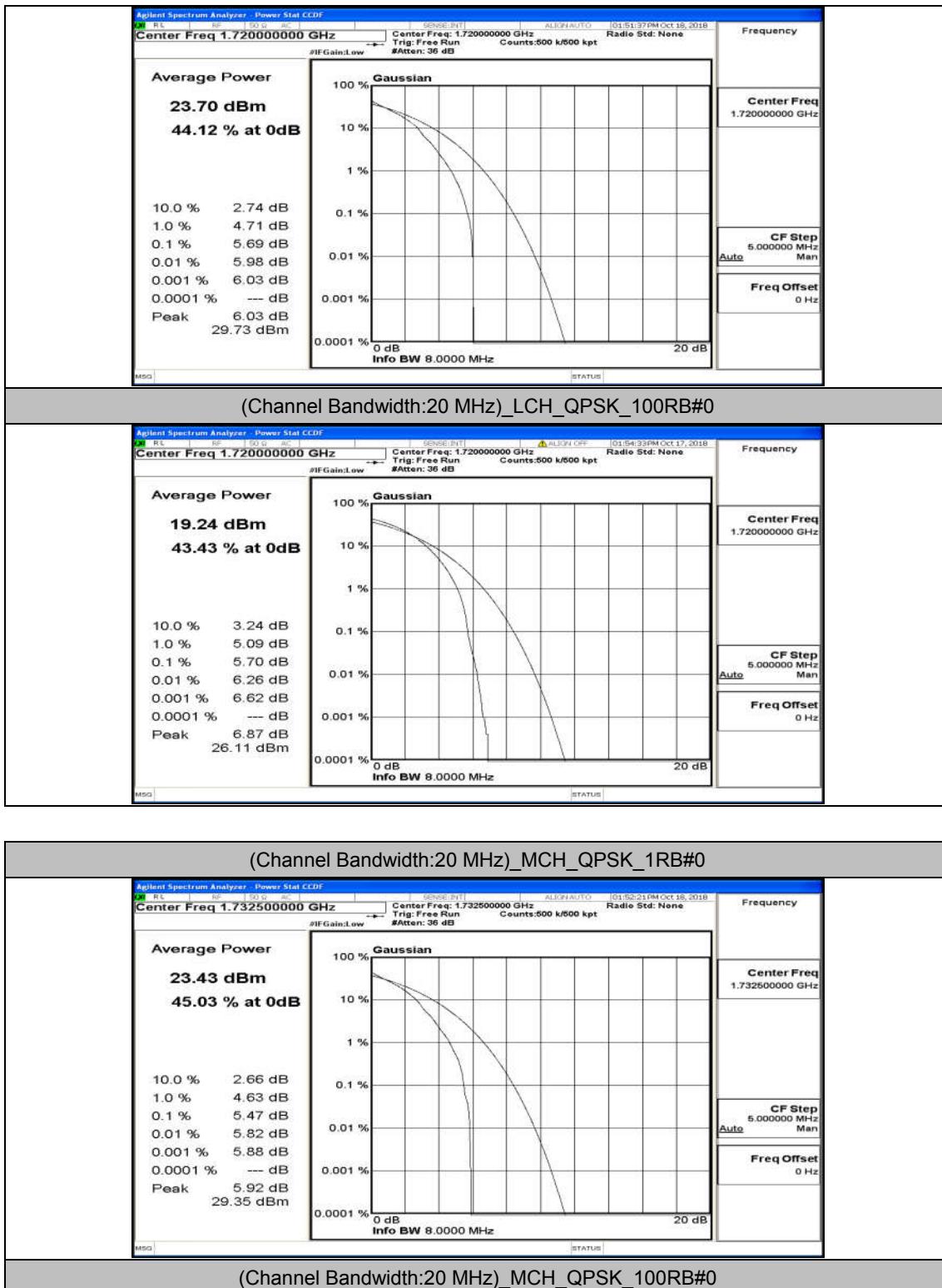
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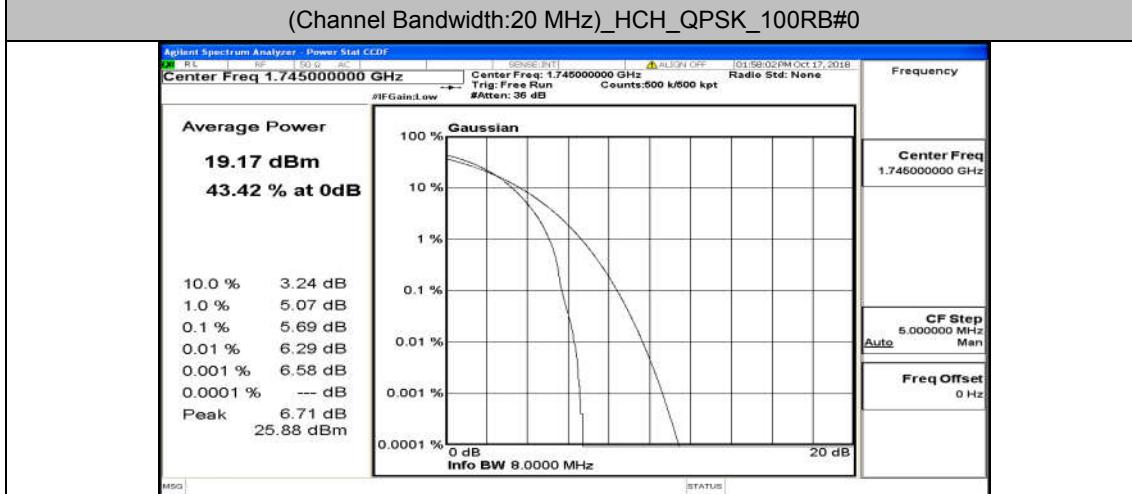
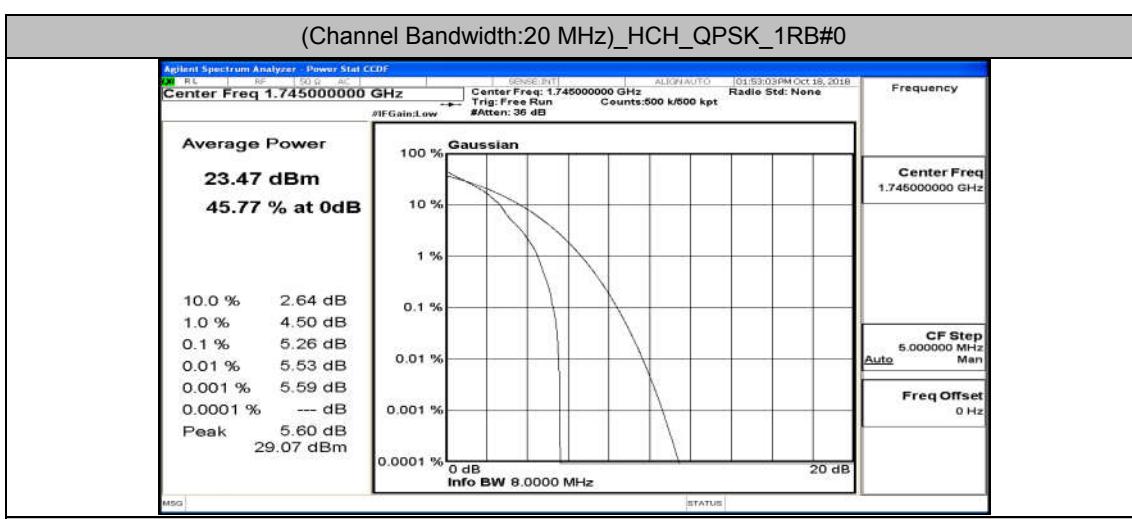
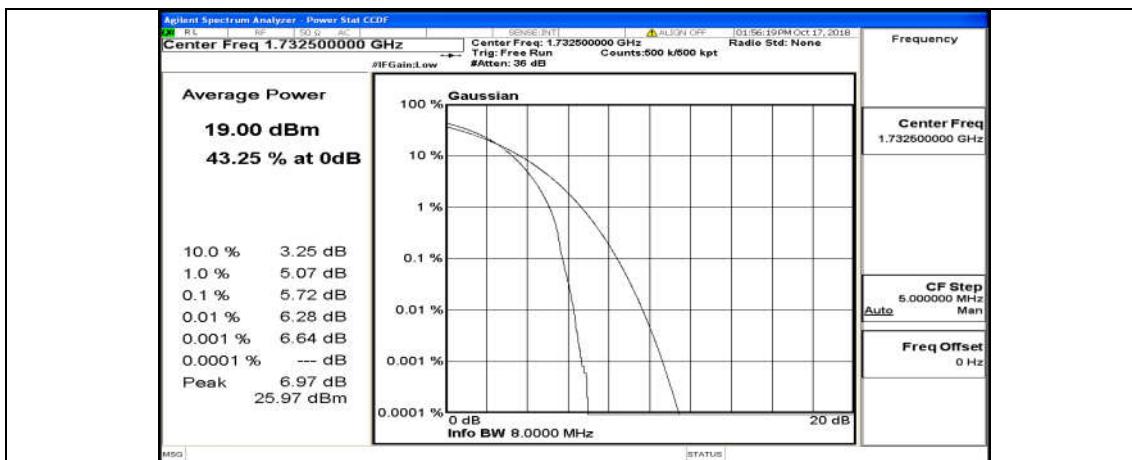


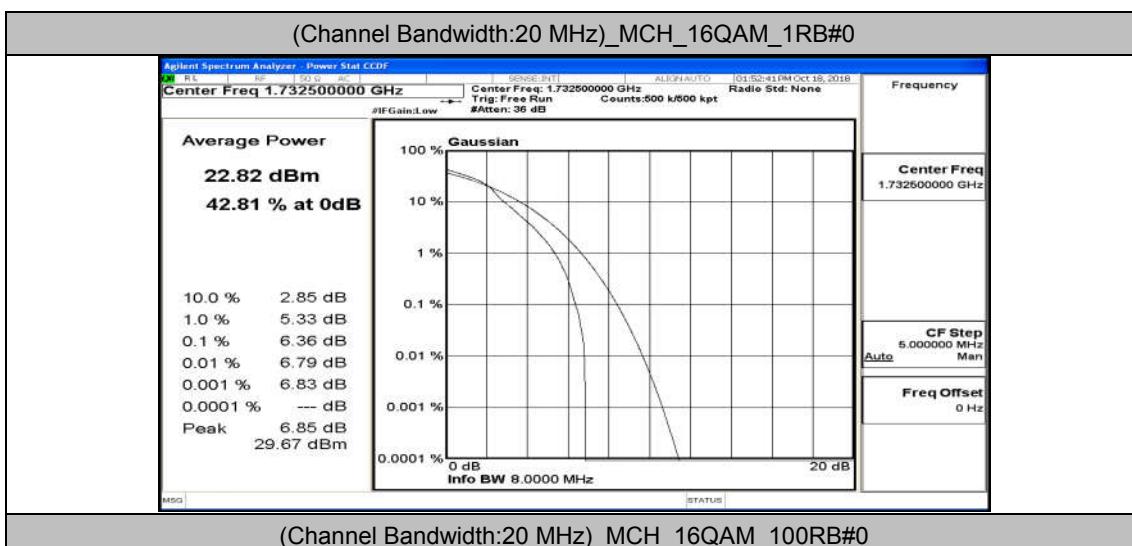
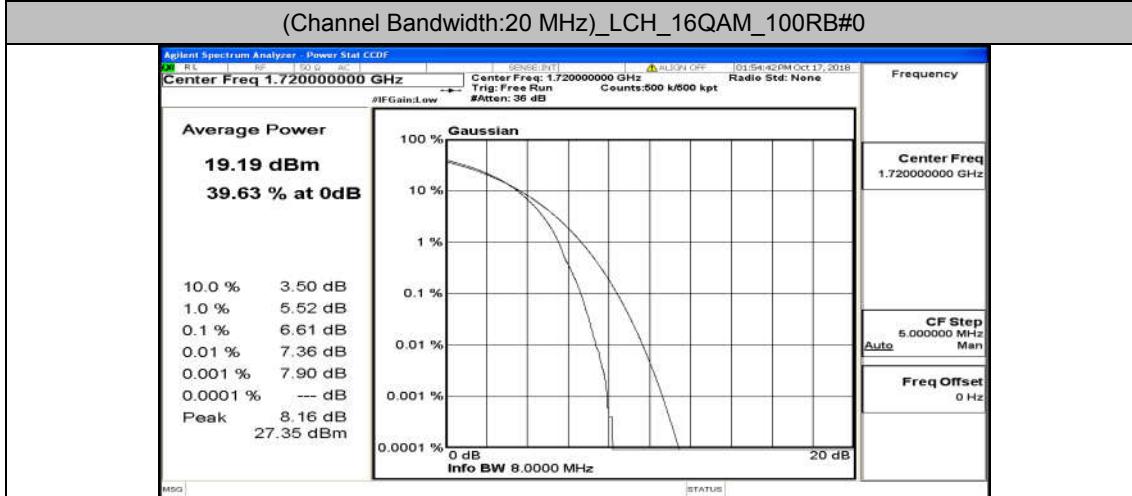
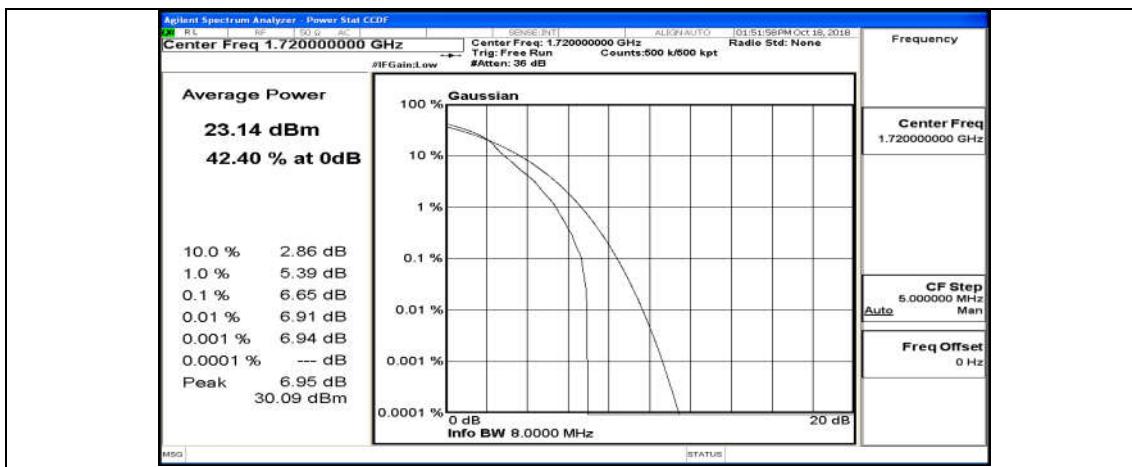


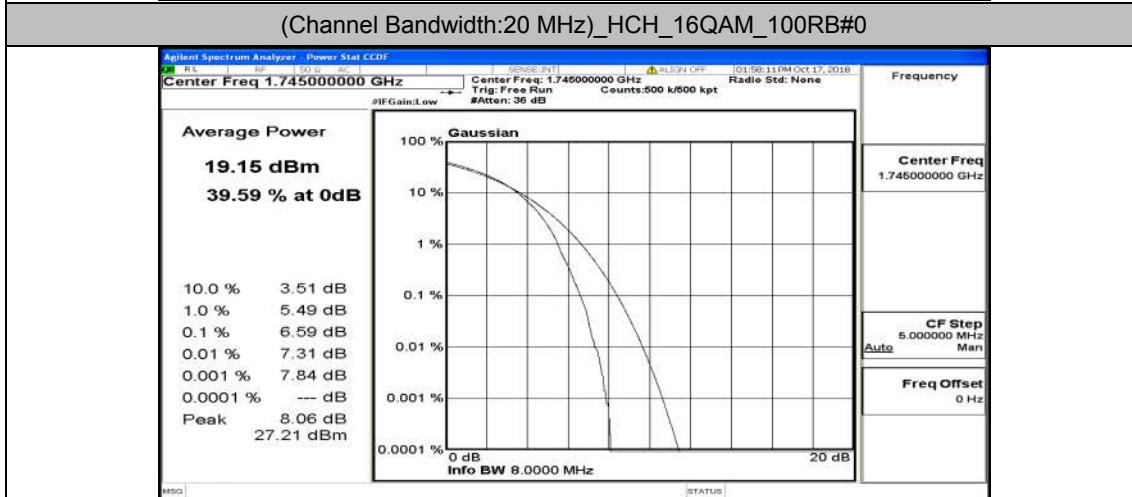
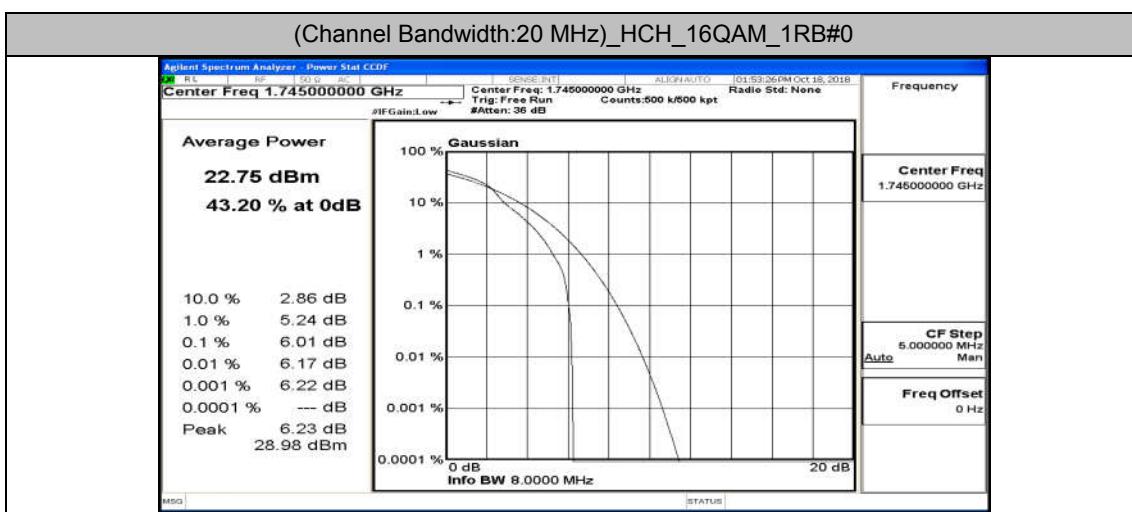
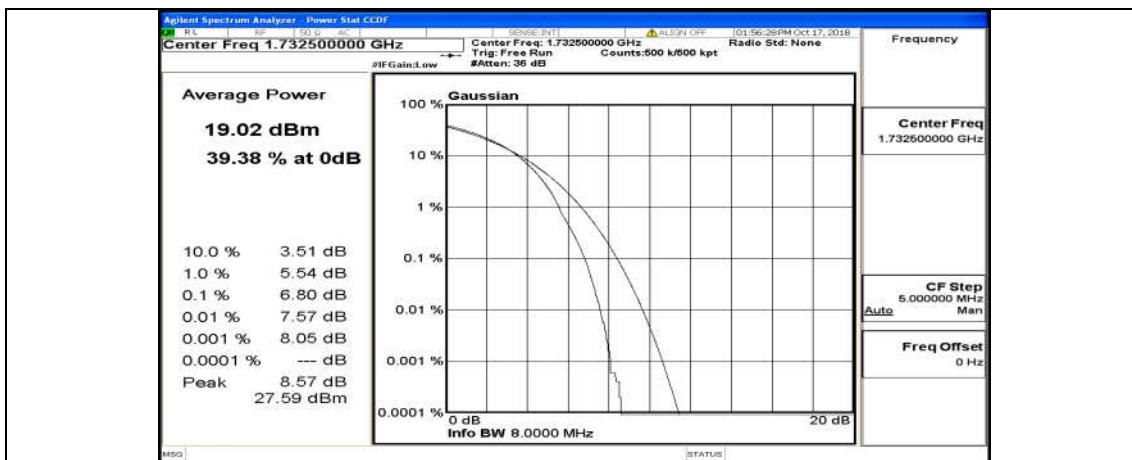
Channel Bandwidth: 20 MHz











Appendix B.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	1.0740	1.219	PASS
	MCH	6	0	1.0751	1.205	PASS
	HCH	6	0	1.0796	1.199	PASS
16QAM	LCH	6	0	1.0806	1.239	PASS
	MCH	6	0	1.0822	1.228	PASS
	HCH	6	0	1.0775	1.229	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	2.6883	2.862	PASS
	MCH	15	0	2.6826	2.873	PASS
	HCH	15	0	2.6853	2.892	PASS
16QAM	LCH	15	0	2.6815	2.851	PASS
	MCH	15	0	2.6874	2.890	PASS
	HCH	15	0	2.6867	2.885	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	4.4857	4.829	PASS
	MCH	25	0	4.4833	4.819	PASS
	HCH	25	0	4.4782	4.850	PASS
16QAM	LCH	25	0	4.4729	4.856	PASS
	MCH	25	0	4.4845	4.848	PASS

	HCH	25	0	4.4912	4.900	PASS
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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	8.9300	9.480	PASS
	MCH	50	0	8.9500	9.466	PASS
	HCH	50	0	8.9226	9.460	PASS
16QAM	LCH	50	0	8.9277	9.465	PASS
	MCH	50	0	8.9415	9.473	PASS
	HCH	50	0	8.9459	9.425	PASS

Channel Bandwidth: 15 MHz

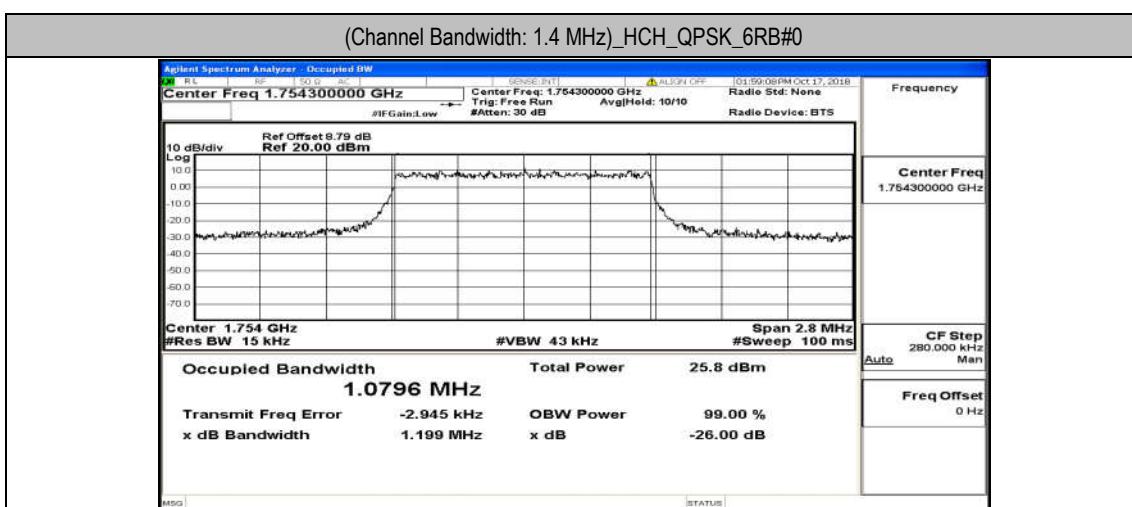
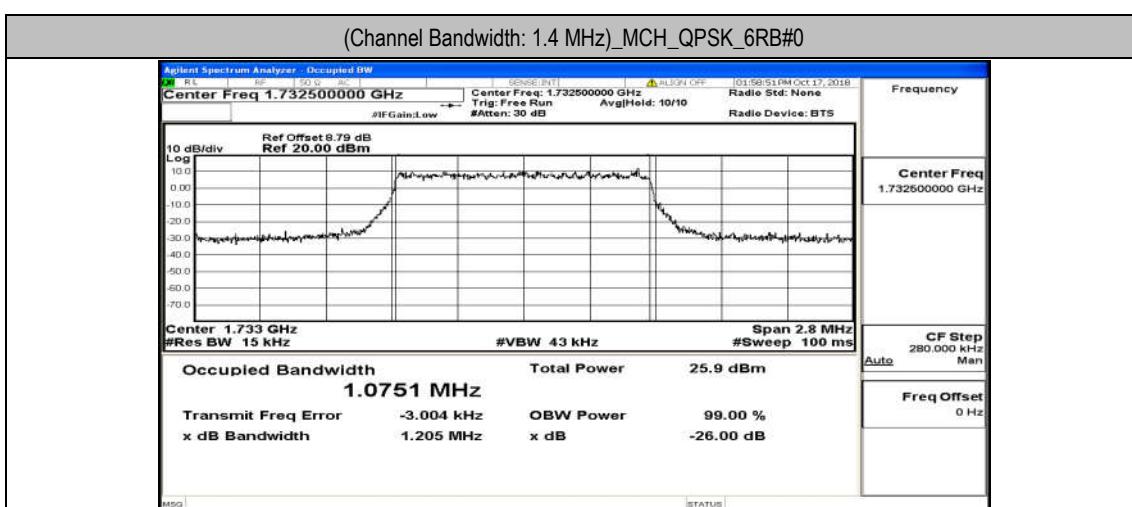
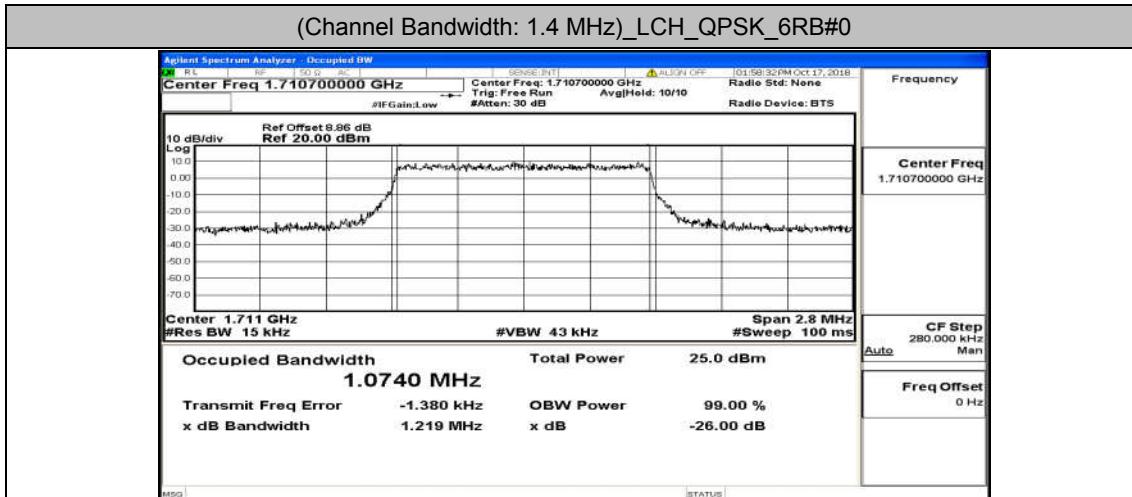
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.388	14.08	PASS
	MCH	75	0	13.399	14.18	PASS
	HCH	75	0	13.386	14.10	PASS
16QAM	LCH	75	0	13.382	14.04	PASS
	MCH	75	0	13.392	14.12	PASS
	HCH	75	0	13.401	14.20	PASS

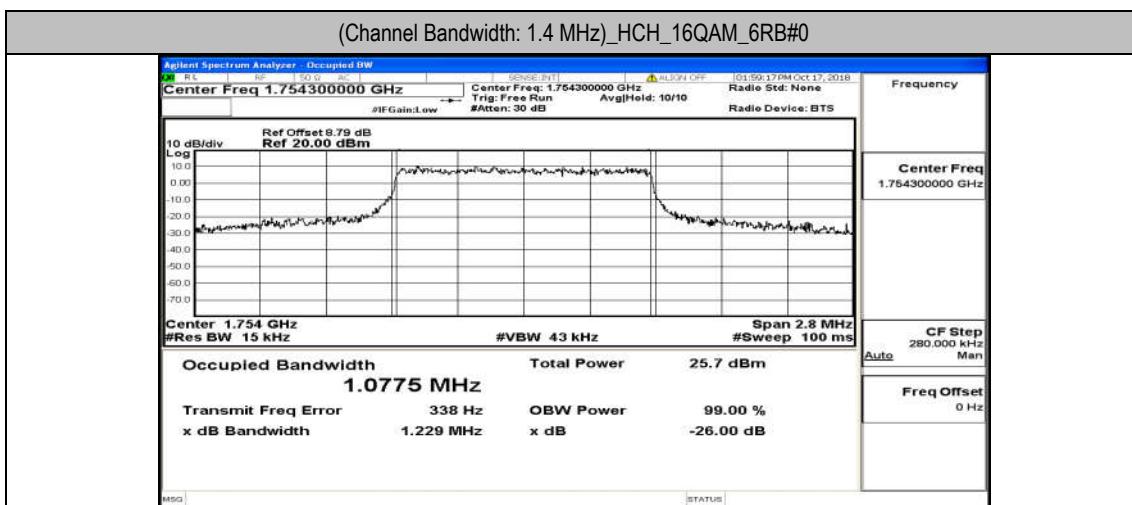
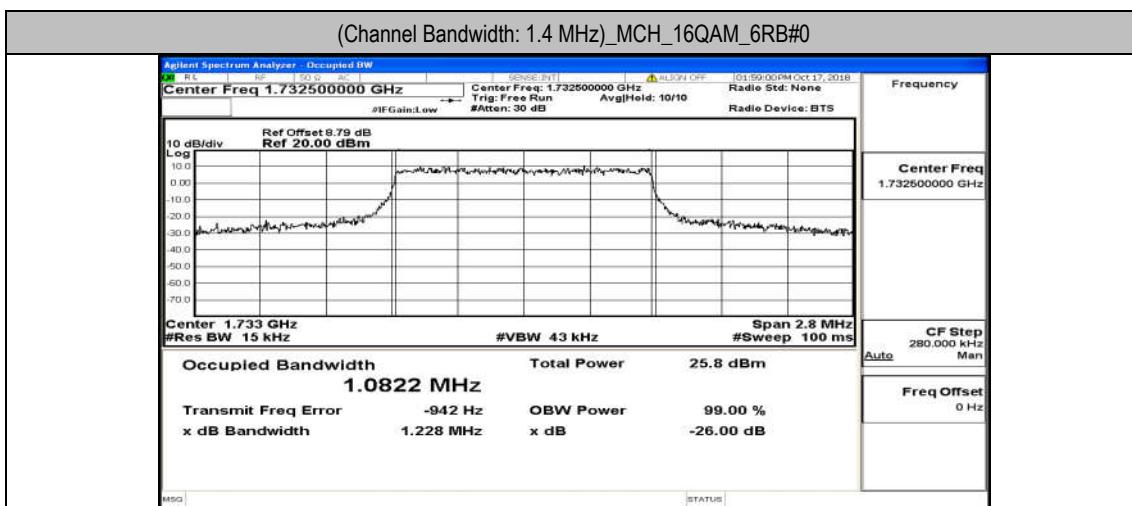
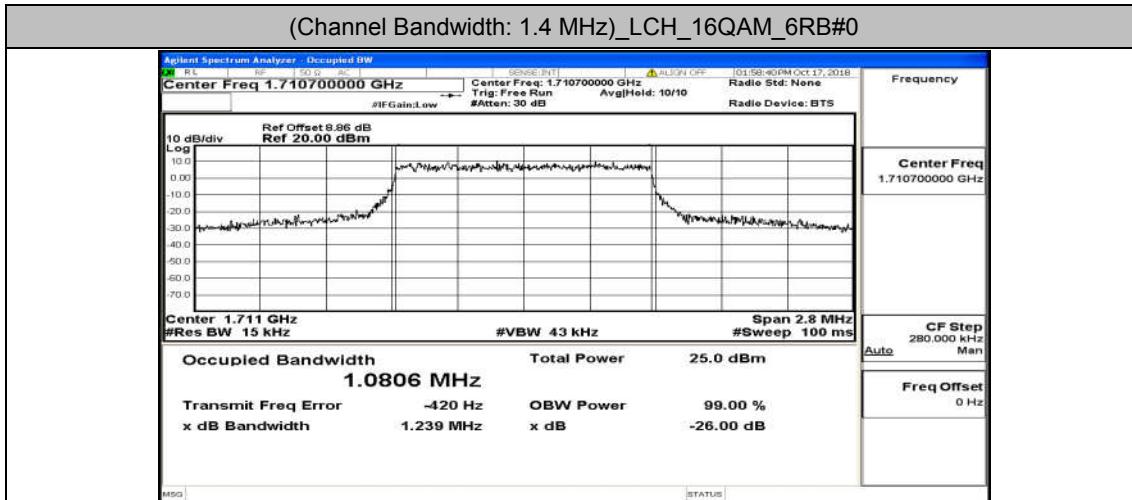
Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.848	18.72	PASS
	MCH	100	0	17.861	18.81	PASS
	HCH	100	0	17.871	18.71	PASS
16QAM	LCH	100	0	17.848	18.68	PASS
	MCH	100	0	17.863	18.79	PASS
	HCH	100	0	17.856	18.72	PASS

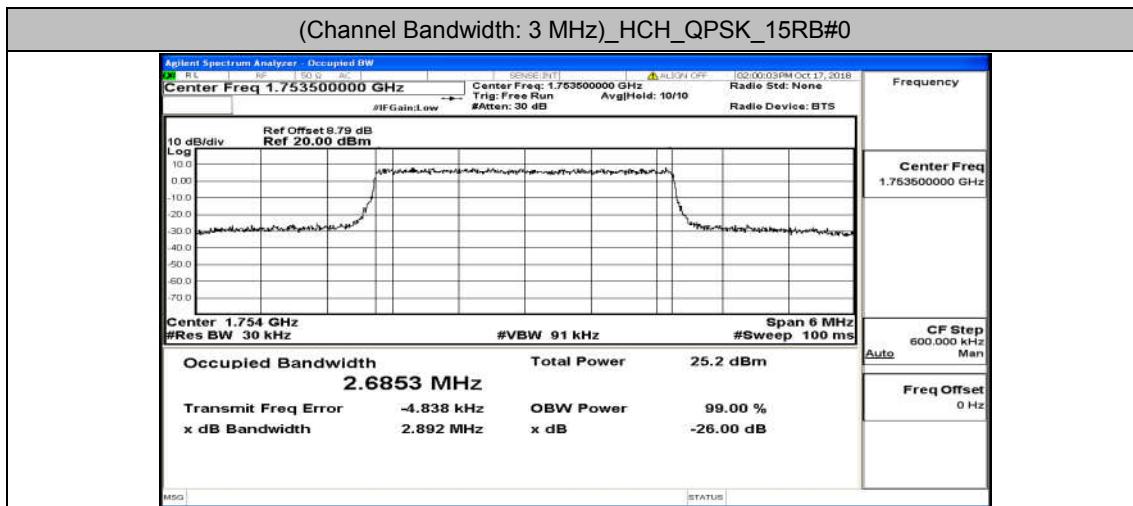
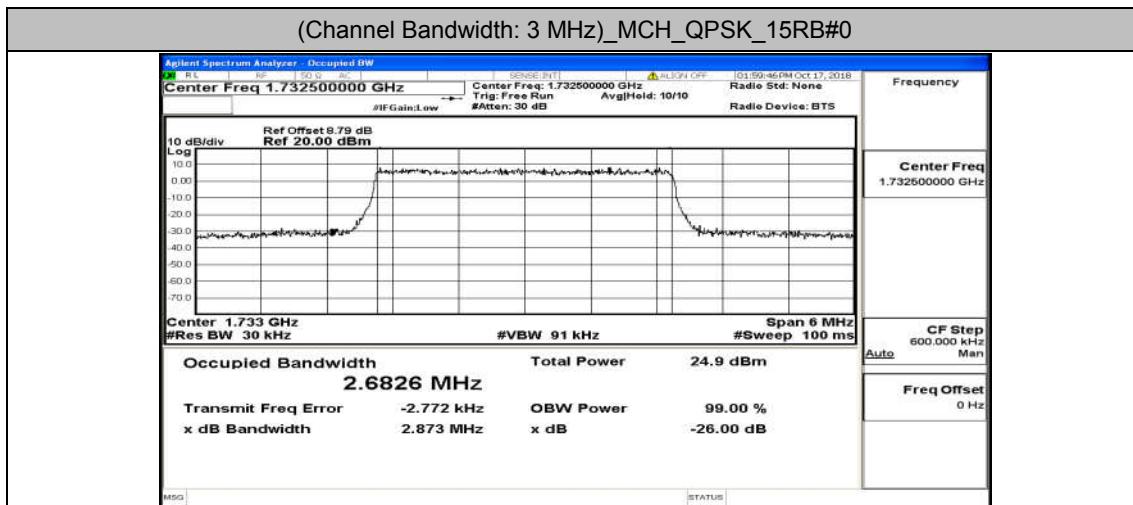
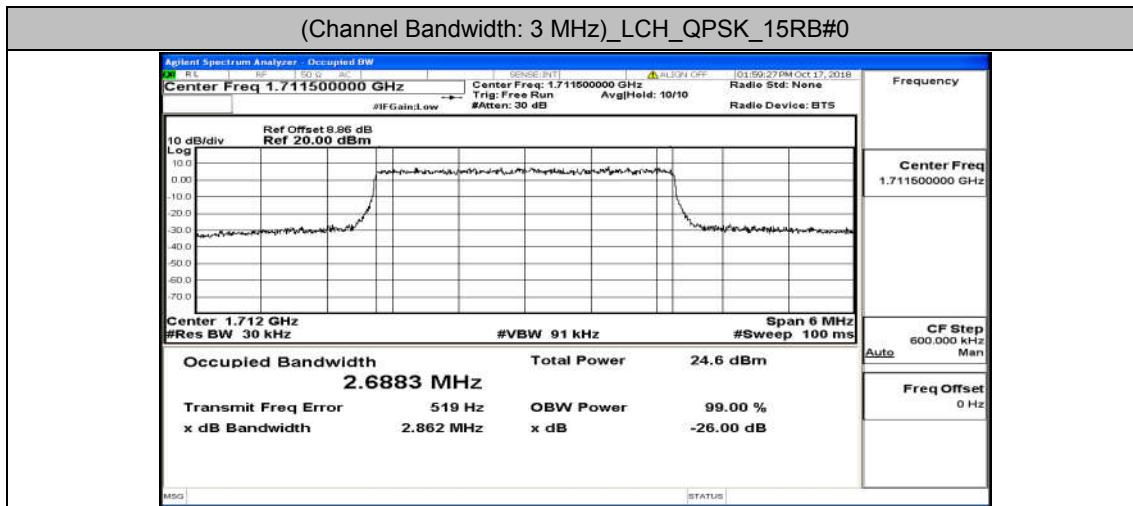
Test Graphs

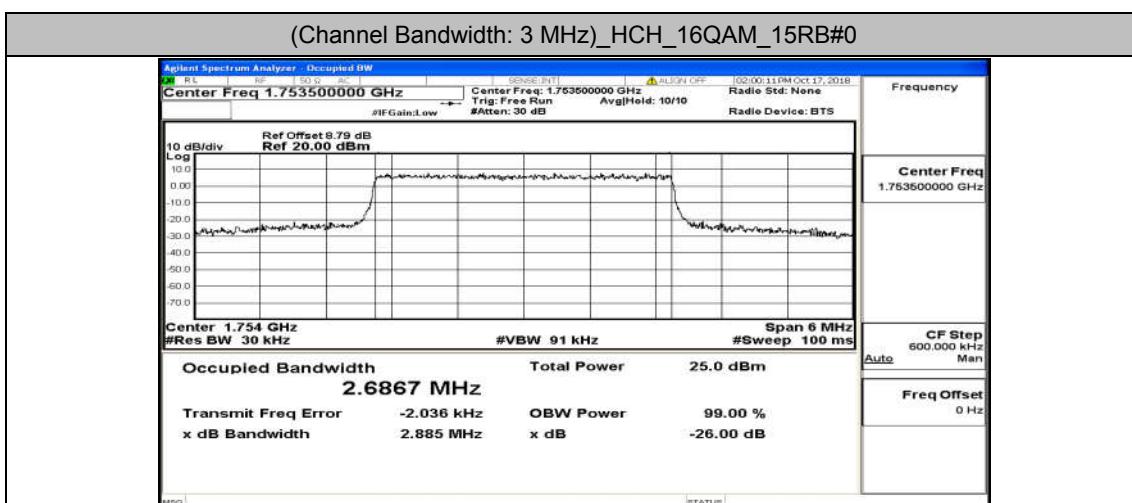
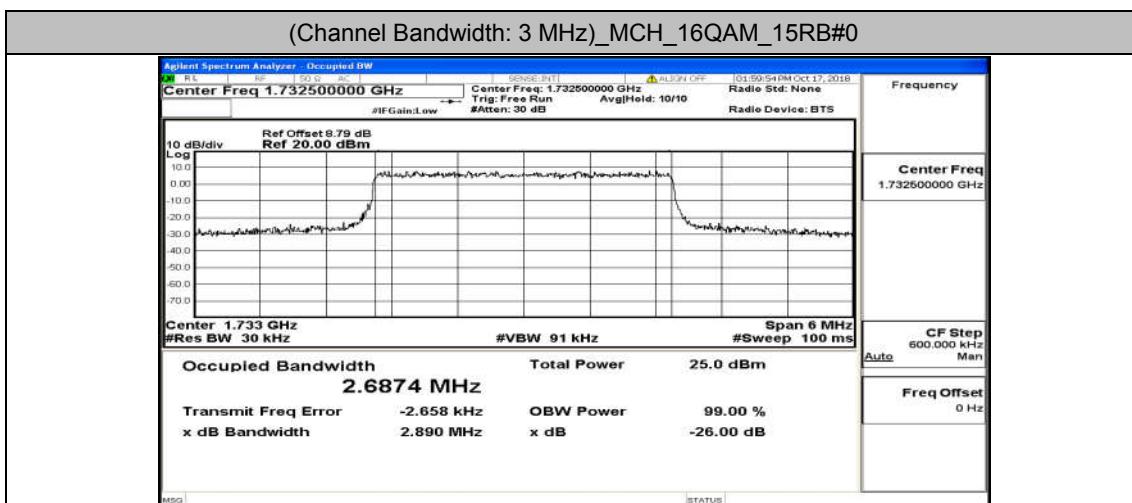
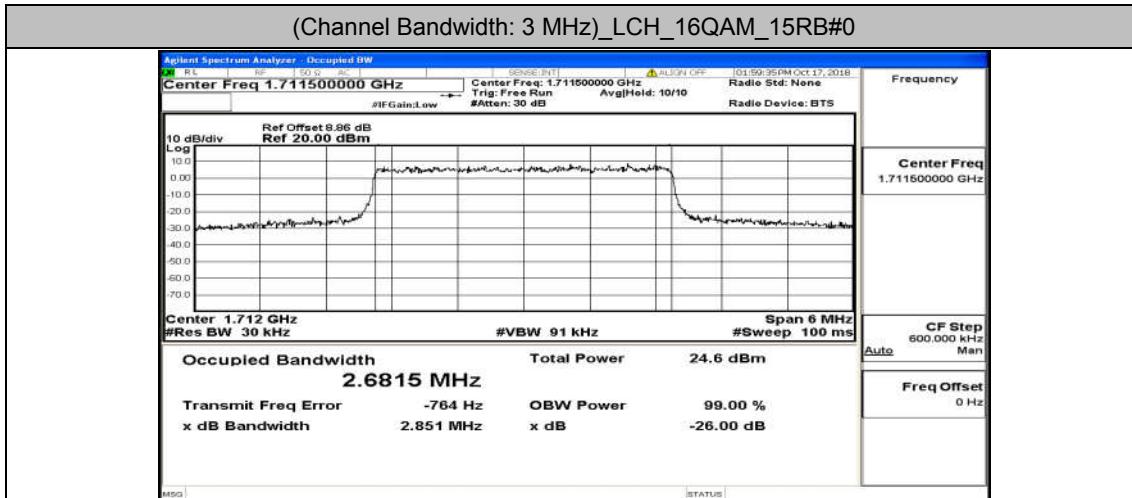
Channel Bandwidth: 1.4 MHz



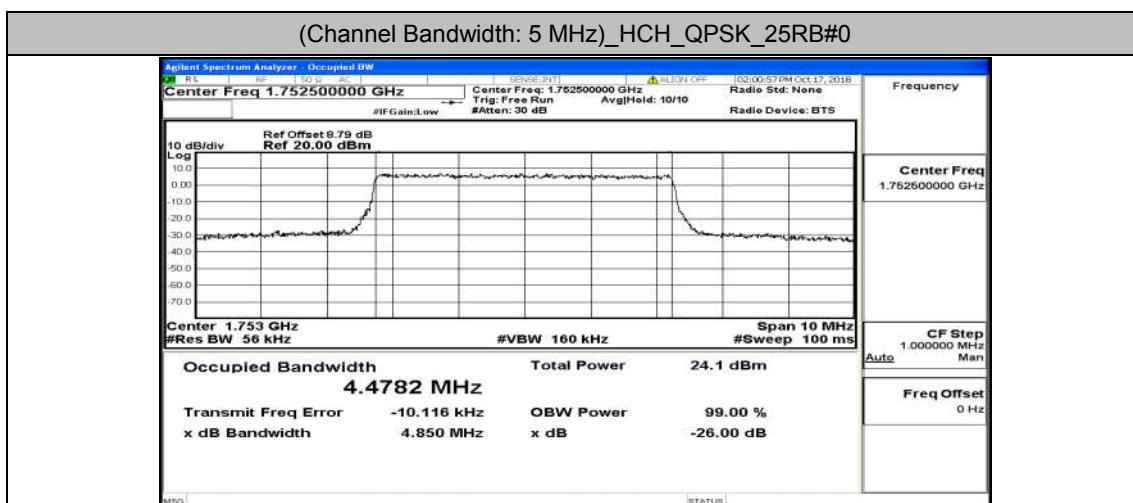
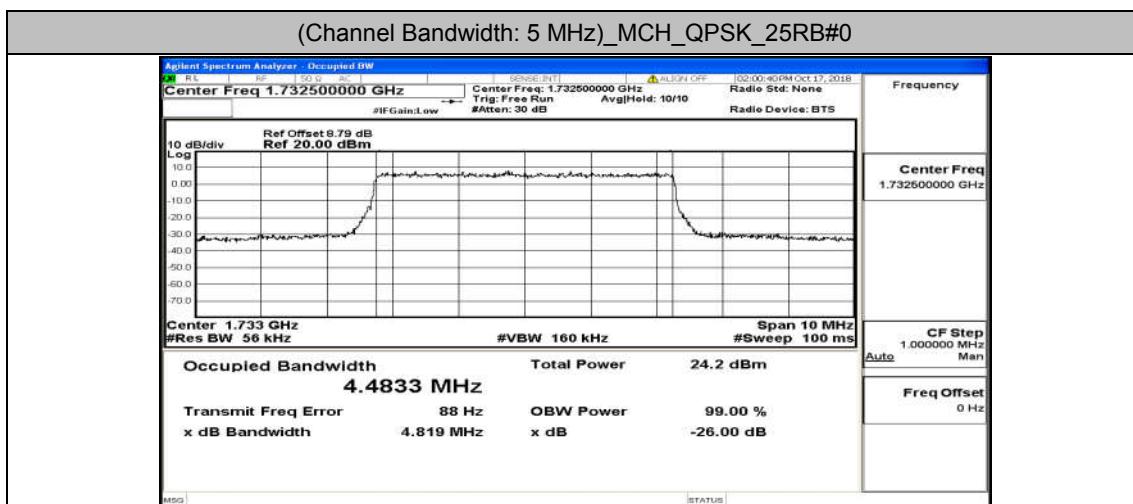
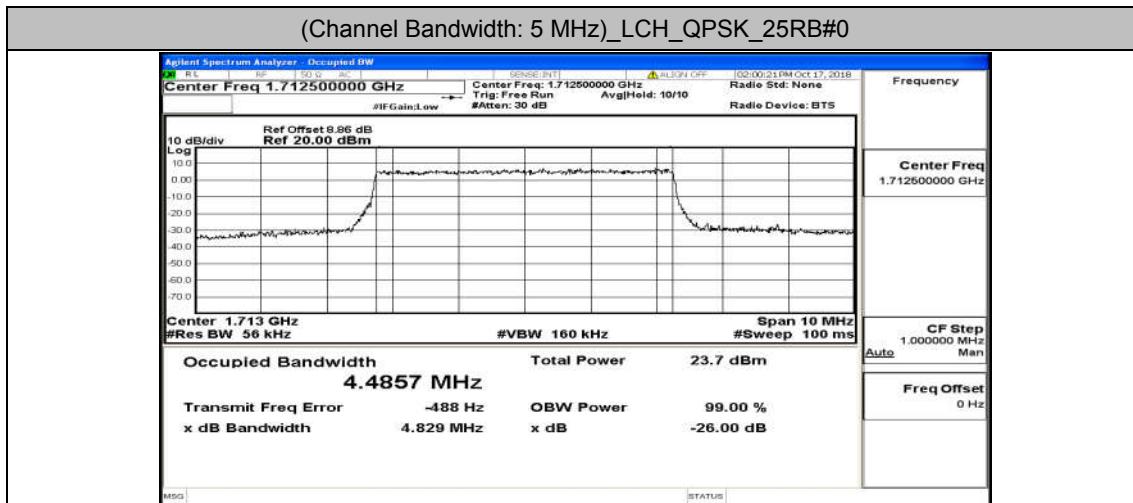


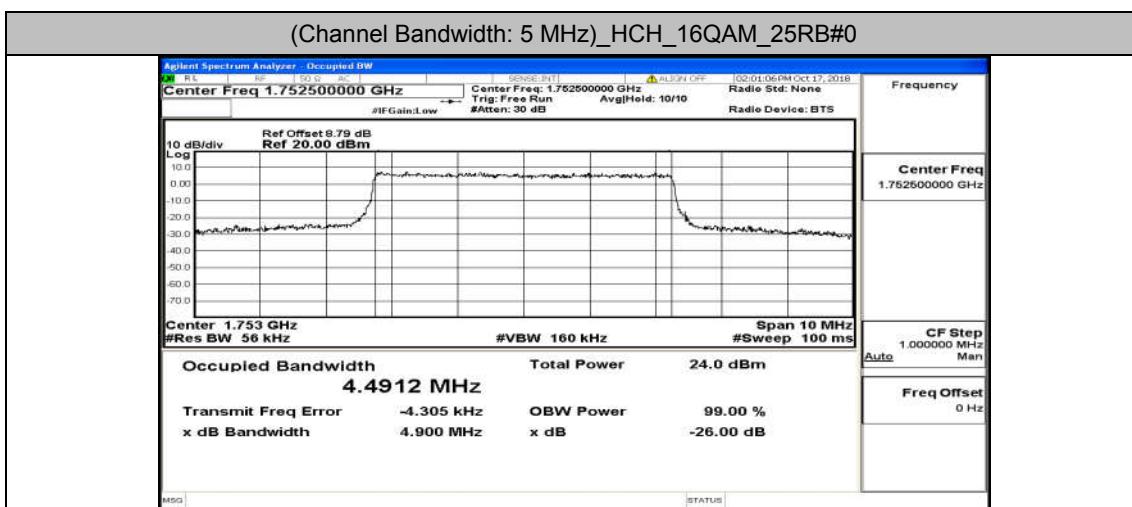
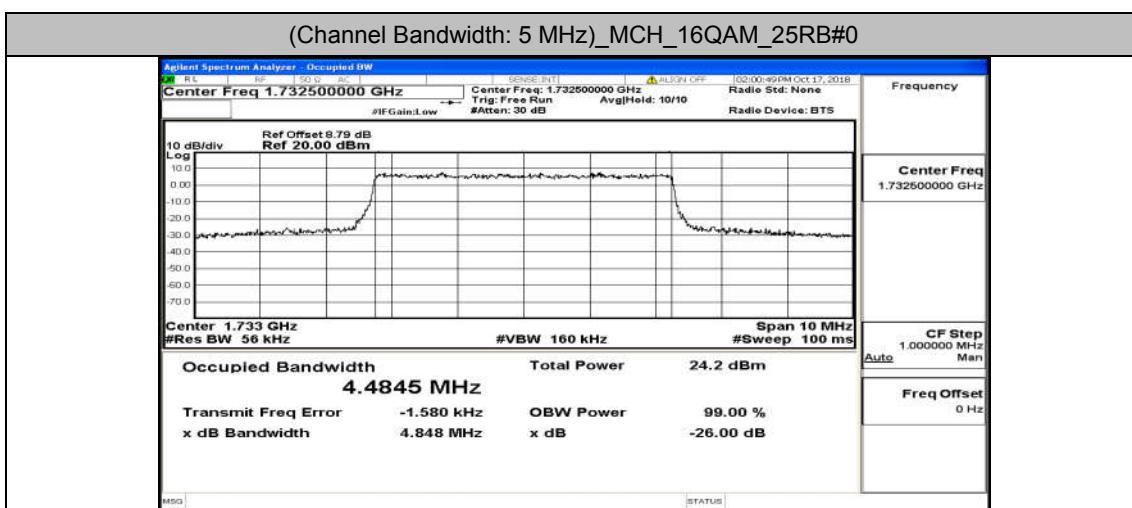
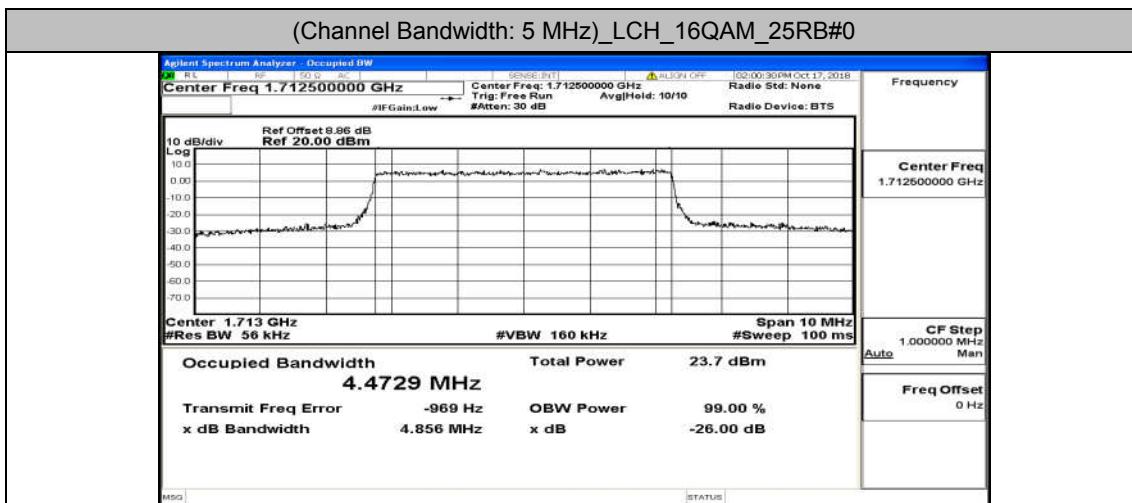
Channel Bandwidth: 3 MHz



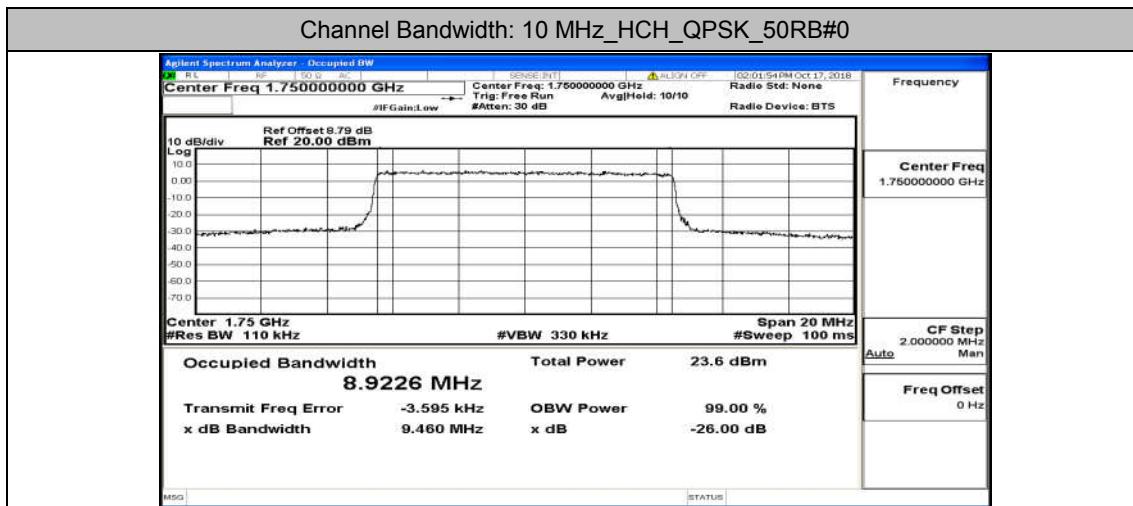
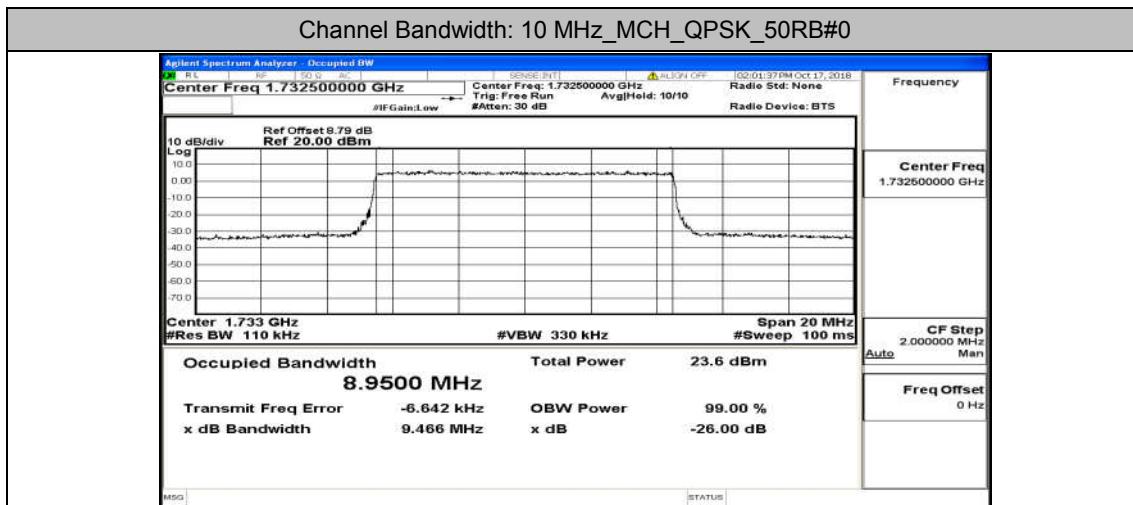
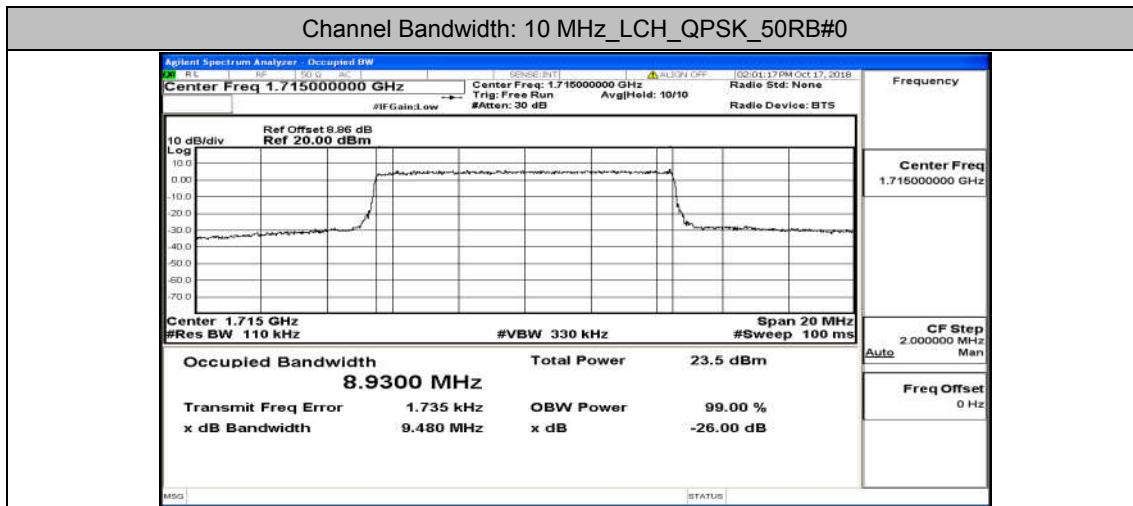


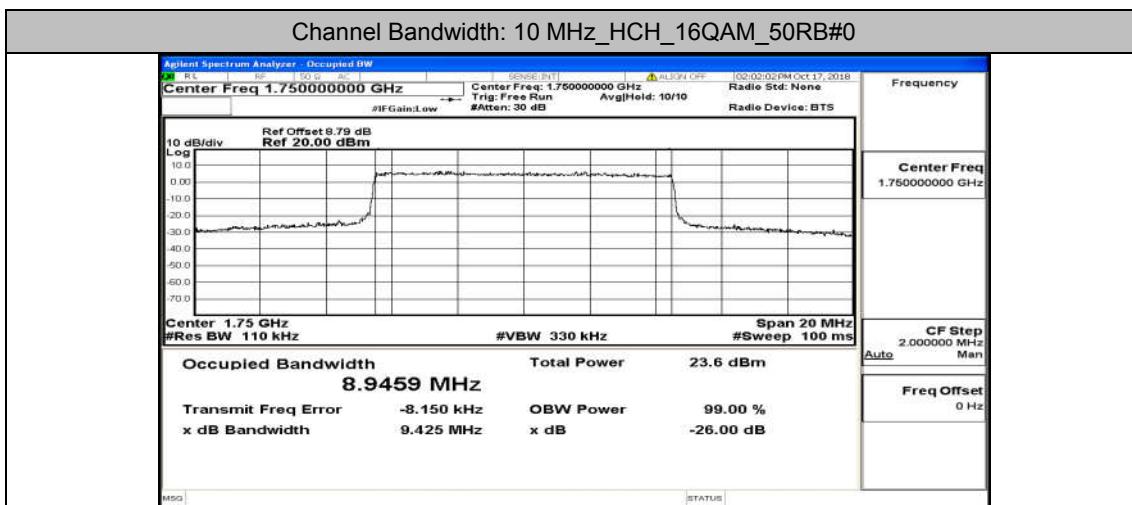
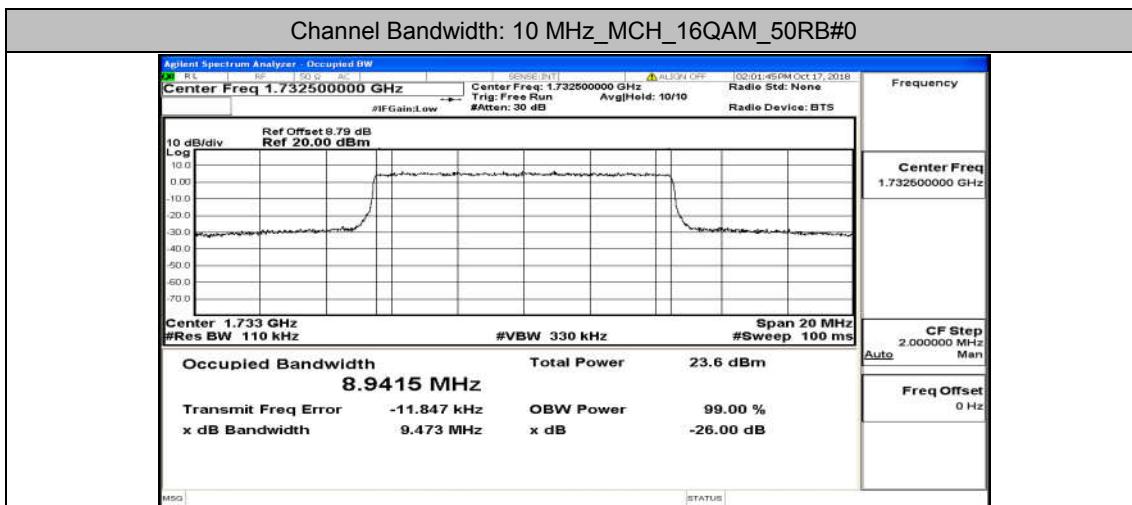
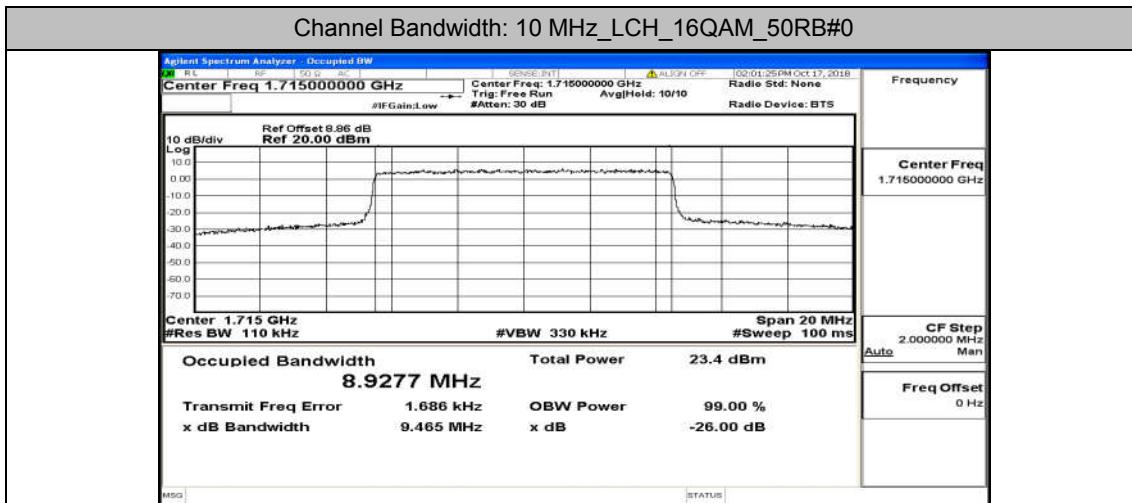
Channel Bandwidth: 5 MHz



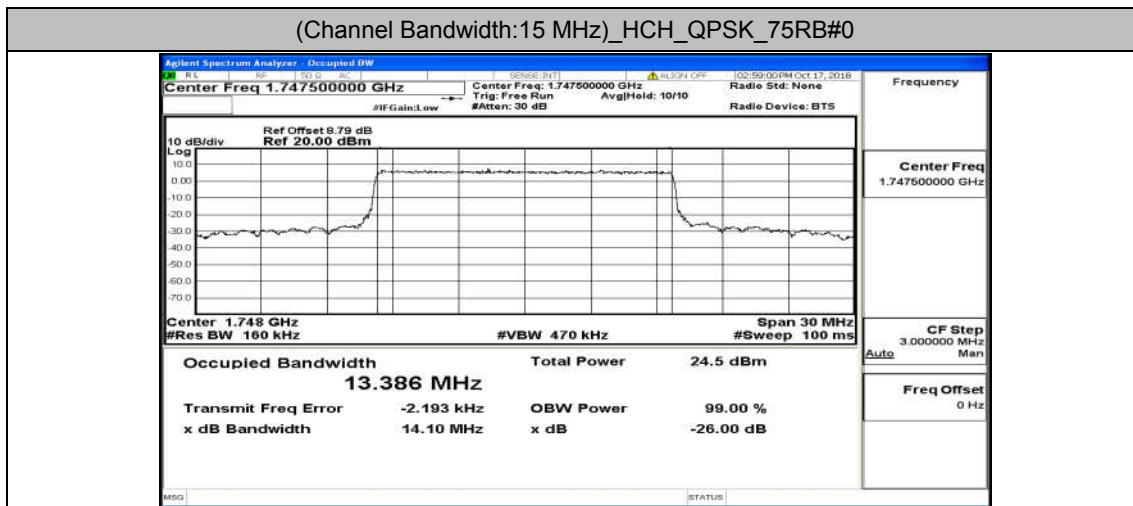
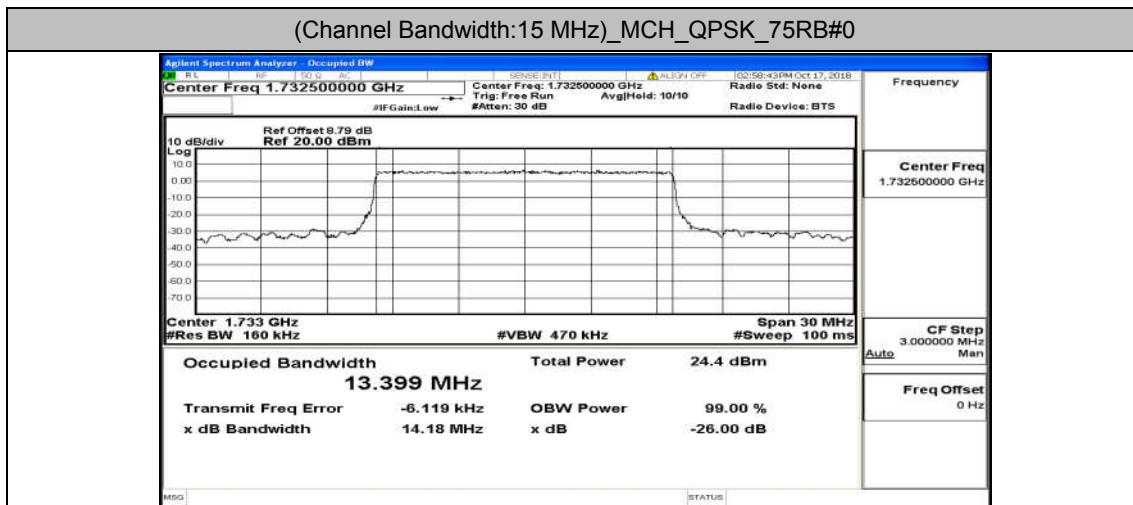
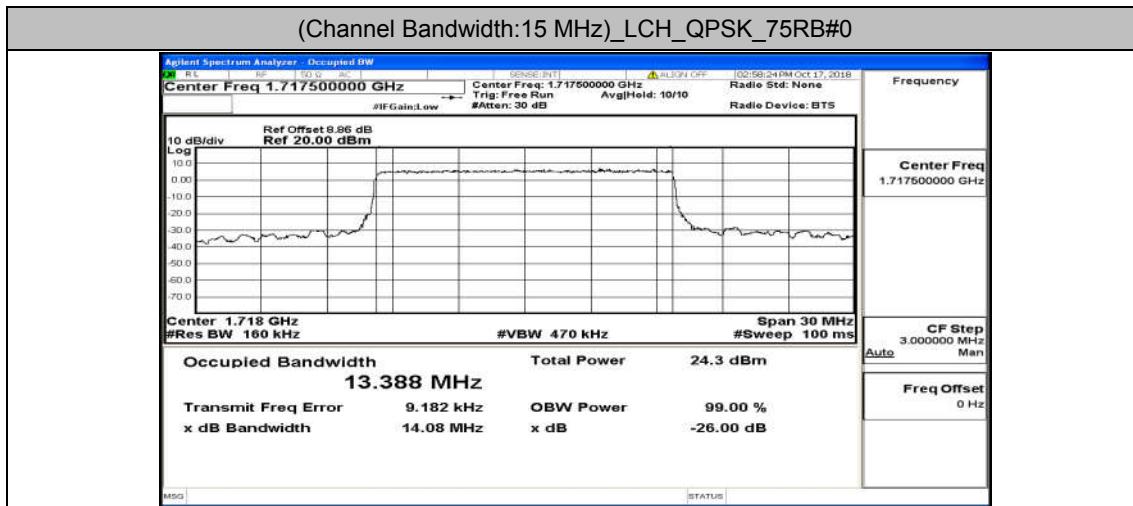


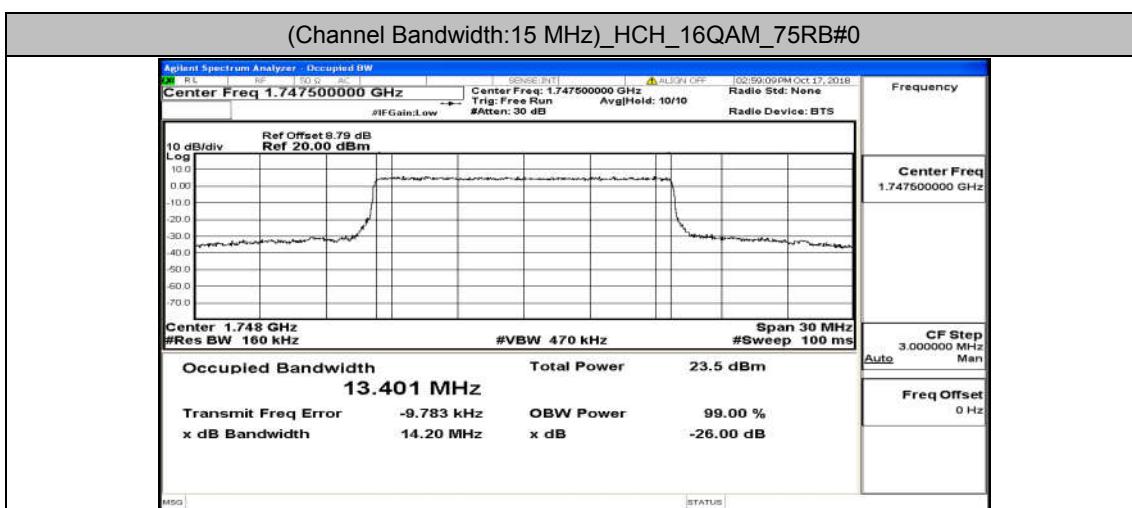
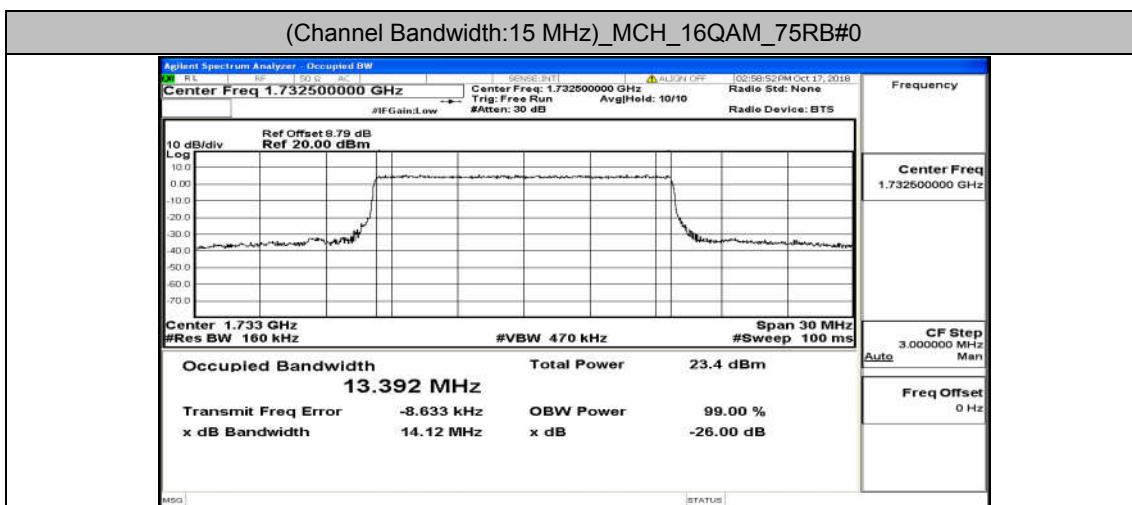
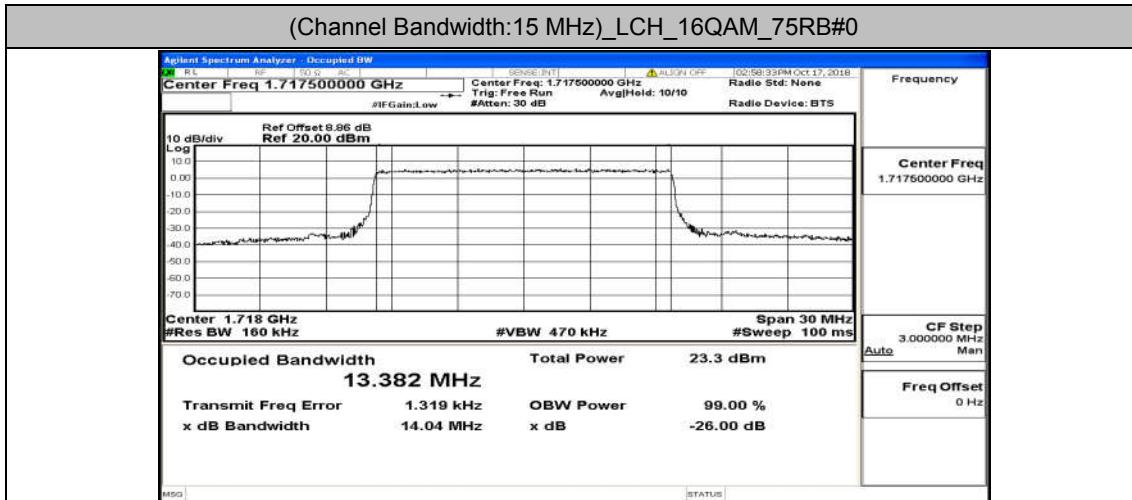
Channel Bandwidth: 10 MHz





Channel Bandwidth: 15 MHz





Channel Bandwidth: 20 MHz

