

## Appendix for Band 7

### 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	22.47	PASS
		1	12	22.16	PASS
		1	24	22.67	PASS
		12	0	21.26	PASS
		12	6	21.25	PASS
		12	13	21.57	PASS
		25	0	21.38	PASS
	MCH	1	0	22.17	PASS
		1	12	22.16	PASS
		1	24	22.74	PASS
		12	0	21.21	PASS
		12	6	21.35	PASS
		12	13	21.67	PASS
		25	0	21.42	PASS
16QAM	HCH	1	0	22.61	PASS
		1	12	22.4	PASS
		1	24	22.81	PASS
		12	0	21.7	PASS
		12	6	21.71	PASS
		12	13	21.99	PASS
		25	0	21.81	PASS
	LCH	1	0	21.36	PASS
		1	12	21.15	PASS
		1	24	21.82	PASS
		12	0	20.65	PASS
		12	6	20.31	PASS
		12	13	20.57	PASS
		25	0	20.3	PASS
	MCH	1	0	21.38	PASS
		1	12	21.4	PASS
		1	24	21.78	PASS
		12	0	20.4	PASS

		12	6	20.52	PASS
		12	13	20.85	PASS
		25	0	20.51	PASS
HCH	HCH	1	0	21.87	PASS
		1	12	21.6	PASS
		1	24	21.89	PASS
		12	0	20.67	PASS
		12	6	20.7	PASS
		12	13	20.65	PASS
		25	0	20.87	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.24	PASS
		1	24	21.71	PASS
		1	49	21.86	PASS
		25	0	21.17	PASS
		25	12	21.44	PASS
		25	25	21.65	PASS
		50	0	21.53	PASS
	MCH	1	0	21.16	PASS
		1	24	21.95	PASS
		1	49	22.23	PASS
		25	0	20.76	PASS
		25	12	21.21	PASS
		25	25	21.56	PASS
		50	0	21.2	PASS
	HCH	1	0	21.57	PASS
		1	24	22.03	PASS
		1	49	22.2	PASS
		25	0	21.13	PASS
		25	12	21.34	PASS
		25	25	21.62	PASS
		50	0	21.38	PASS
16QAM	LCH	1	0	20.59	PASS
		1	24	21.09	PASS
		1	49	21.29	PASS
		25	0	20.65	PASS
		25	12	20.38	PASS
		25	25	20.7	PASS
		50	0	20.49	PASS

MCH	MCH	1	0	20.53	PASS
		1	24	21.36	PASS
		1	49	21.66	PASS
		25	0	20.65	PASS
		25	12	20.34	PASS
		25	25	20.61	PASS
		50	0	20.65	PASS
	HCH	1	0	20.86	PASS
		1	24	21.34	PASS
		1	49	21.57	PASS
		25	0	20.45	PASS
		25	12	20.42	PASS
		25	25	20.65	PASS
		50	0	20.41	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	21.31	PASS
		1	37	21.86	PASS
		1	74	21.07	PASS
		37	0	21.33	PASS
		37	18	21.5	PASS
		37	38	21.29	PASS
		75	0	21.41	PASS
	MCH	1	0	21.07	PASS
		1	37	21.99	PASS
		1	74	22.5	PASS
		37	0	20.49	PASS
		37	18	21.07	PASS
		37	38	21.59	PASS
		75	0	21.11	PASS
	HCH	1	0	21.18	PASS
		1	37	21.87	PASS
		1	74	22.27	PASS
		37	0	20.54	PASS
		37	18	21.01	PASS
		37	38	21.43	PASS
		75	0	20.95	PASS
16QAM	LCH	1	0	20.67	PASS
		1	37	21.29	PASS
		1	74	20.51	PASS

		37	0	20.33	PASS
		37	18	20.55	PASS
		37	38	20.47	PASS
		75	0	20.42	PASS
MCH	MCH	1	0	20.31	PASS
		1	37	21.27	PASS
		1	74	21.75	PASS
		37	0	20.68	PASS
		37	18	20.65	PASS
		37	38	20.66	PASS
		75	0	20.47	PASS
HCH	HCH	1	0	20.44	PASS
		1	37	21.22	PASS
		1	74	21.65	PASS
		37	0	20.65	PASS
		37	18	20.47	PASS
		37	38	20.79	PASS
		75	0	20.66	PASS

## Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.84	PASS
		1	49	21.91	PASS
		1	99	21.25	PASS
		50	0	21.99	PASS
		50	25	21.27	PASS
		50	50	20.52	PASS
		100	0	21.05	PASS
	MCH	1	0	21.32	PASS
		1	49	22.01	PASS
		1	99	22.38	PASS
		50	0	20.69	PASS
		50	25	21.07	PASS
		50	50	21.62	PASS
		100	0	21.05	PASS
	HCH	1	0	21.52	PASS
		1	49	21.44	PASS
		1	99	22.15	PASS
		50	0	20.42	PASS
		50	25	20.78	PASS
		50	50	21.25	PASS

		100	0	20.83	PASS
16QAM	LCH	1	0	20.68	PASS
		1	49	21.16	PASS
		1	99	20.65	PASS
		50	0	20.44	PASS
		50	25	20.34	PASS
		50	50	20.76	PASS
		100	0	20.69	PASS
	MCH	1	0	20.95	PASS
		1	49	21.33	PASS
		1	99	21.71	PASS
		50	0	20.98	PASS
		50	25	20.64	PASS
		50	50	20.68	PASS
		100	0	20.65	PASS
	HCH	1	0	20.84	PASS
		1	49	20.82	PASS
		1	99	21.6	PASS
		50	0	20.51	PASS
		50	25	20.47	PASS
		50	50	20.36	PASS
		100	0	20.89	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	2.59	<13	PASS
		1	12	2.71	<13	PASS
		1	24	2.39	<13	PASS
		12	0	4.06	<13	PASS
		12	6	4.01	<13	PASS
		12	13	3.72	<13	PASS
		25	0	3.86	<13	PASS
	MCH	1	0	3.21	<13	PASS
		1	12	3.18	<13	PASS
		1	24	2.81	<13	PASS
		12	0	4.79	<13	PASS
		12	6	4.67	<13	PASS
		12	13	4.45	<13	PASS
		25	0	4.64	<13	PASS
16QAM	LCH	1	0	2.81	<13	PASS
		1	12	2.76	<13	PASS
		1	24	2.35	<13	PASS
		12	0	4.25	<13	PASS
		12	6	4.16	<13	PASS
		12	13	3.8	<13	PASS
		25	0	4.04	<13	PASS
	MCH	1	0	3.59	<13	PASS
		1	12	3.6	<13	PASS
		1	24	3.09	<13	PASS
		12	0	5.08	<13	PASS
		12	6	4.97	<13	PASS
		12	13	4.69	<13	PASS
		25	0	4.82	<13	PASS

		12	6	5.52	<13	PASS
		12	13	5.35	<13	PASS
		25	0	5.61	<13	PASS
HCH		1	0	3.52	<13	PASS
		1	12	3.75	<13	PASS
		1	24	3.04	<13	PASS
		12	0	5.17	<13	PASS
		12	6	5.08	<13	PASS
		12	13	4.73	<13	PASS
		25	0	5.07	<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	2.85	<13	PASS
		1	24	2.65	<13	PASS
		1	49	2.67	<13	PASS
		25	0	3.87	<13	PASS
		25	12	3.64	<13	PASS
		25	25	3.51	<13	PASS
		50	0	3.67	<13	PASS
	MCH	1	0	3.54	<13	PASS
		1	24	3.06	<13	PASS
		1	49	2.86	<13	PASS
		25	0	5.05	<13	PASS
		25	12	4.83	<13	PASS
		25	25	4.6	<13	PASS
		50	0	4.86	<13	PASS
	HCH	1	0	3.37	<13	PASS
		1	24	3.02	<13	PASS
		1	49	2.68	<13	PASS
		25	0	4.74	<13	PASS
		25	12	4.57	<13	PASS
		25	25	4.29	<13	PASS
		50	0	4.6	<13	PASS
16QAM	LCH	1	0	3.76	<13	PASS
		1	24	3.33	<13	PASS
		1	49	3.37	<13	PASS
		25	0	4.79	<13	PASS
		25	12	4.6	<13	PASS

		25	25	4.39	<13	PASS
		50	0	4.64	<13	PASS
MCH	1	0	4.4	<13	PASS	
	1	24	3.93	<13	PASS	
	1	49	3.8	<13	PASS	
	25	0	5.94	<13	PASS	
	25	12	5.63	<13	PASS	
	25	25	5.46	<13	PASS	
	50	0	5.75	<13	PASS	
	1	0	4.25	<13	PASS	
HCH	1	24	3.93	<13	PASS	
	1	49	3.43	<13	PASS	
	25	0	5.73	<13	PASS	
	25	12	5.56	<13	PASS	
	25	25	5.3	<13	PASS	
	50	0	5.63	<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	2.82	<13	PASS
		1	37	2.65	<13	PASS
		1	74	3.43	<13	PASS
		37	0	3.78	<13	PASS
		37	18	3.59	<13	PASS
		37	38	3.89	<13	PASS
		75	0	4.29	<13	PASS
	MCH	1	0	3.73	<13	PASS
		1	37	3.02	<13	PASS
		1	74	2.91	<13	PASS
		37	0	5.22	<13	PASS
		37	18	4.87	<13	PASS
		37	38	4.48	<13	PASS
		75	0	5.22	<13	PASS
	HCH	1	0	3.72	<13	PASS
		1	37	3.28	<13	PASS
		1	74	2.61	<13	PASS
		37	0	5.23	<13	PASS
		37	18	4.95	<13	PASS
		37	38	4.48	<13	PASS

		75	0	5.29	<13	PASS
16QAM	LCH	1	0	3.63	<13	PASS
		1	37	3.43	<13	PASS
		1	74	4.07	<13	PASS
		37	0	4.77	<13	PASS
		37	18	4.52	<13	PASS
		37	38	4.67	<13	PASS
		75	0	5.11	<13	PASS
	MCH	1	0	4.65	<13	PASS
		1	37	4.12	<13	PASS
		1	74	3.75	<13	PASS
		37	0	6.14	<13	PASS
		37	18	5.83	<13	PASS
		37	38	5.44	<13	PASS
		75	0	6.01	<13	PASS
	HCH	1	0	4.52	<13	PASS
		1	37	4.11	<13	PASS
		1	74	3.45	<13	PASS
		37	0	6.12	<13	PASS
		37	18	5.78	<13	PASS
		37	38	5.45	<13	PASS
		75	0	6.06	<13	PASS

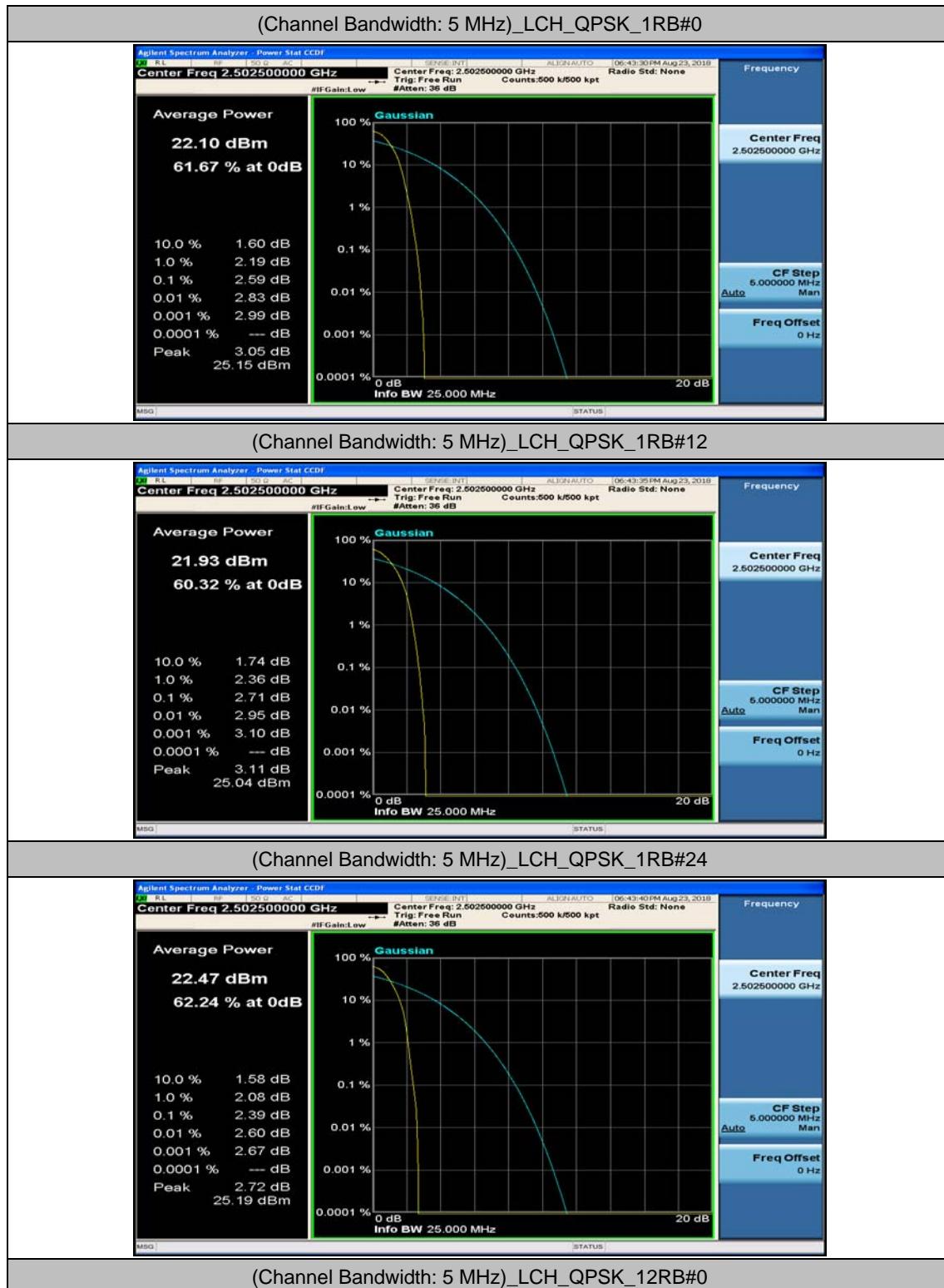
### Channel Bandwidth: 20 MHz

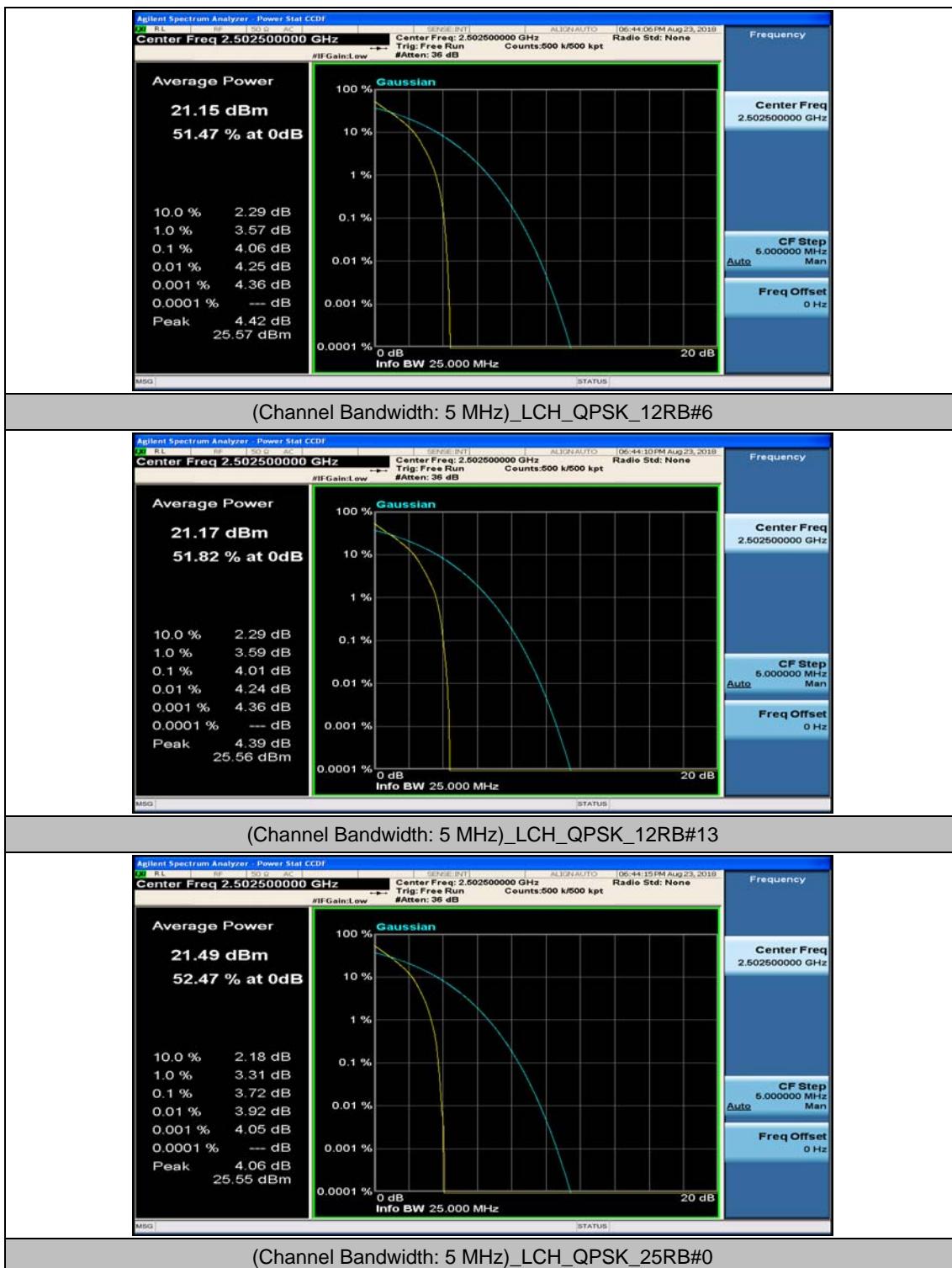
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.78	<13	PASS
		1	49	2.83	<13	PASS
		1	99	3.96	<13	PASS
		50	0	3.81	<13	PASS
		50	25	3.88	<13	PASS
		50	50	4.69	<13	PASS
		100	0	4.67	<13	PASS
	MCH	1	0	3.92	<13	PASS
		1	49	3.26	<13	PASS
		1	99	3.05	<13	PASS
		50	0	5.4	<13	PASS
		50	25	4.92	<13	PASS
		50	50	4.51	<13	PASS
		100	0	5.22	<13	PASS

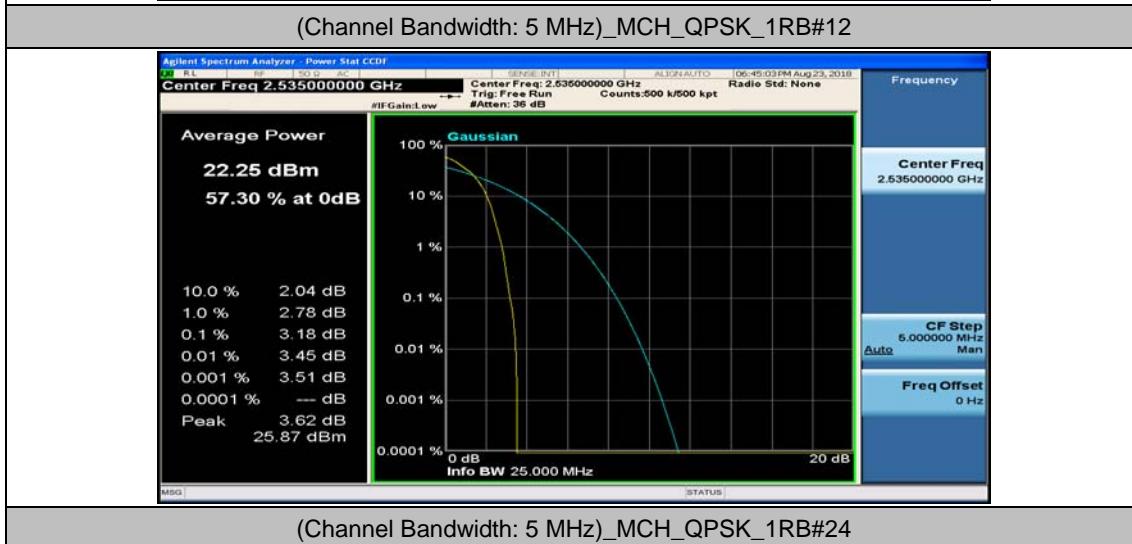
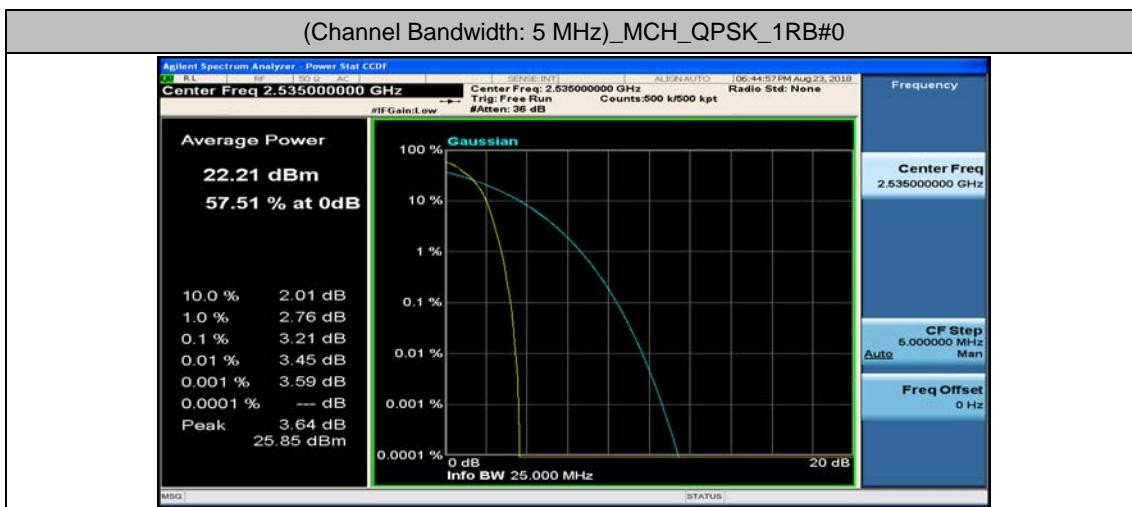
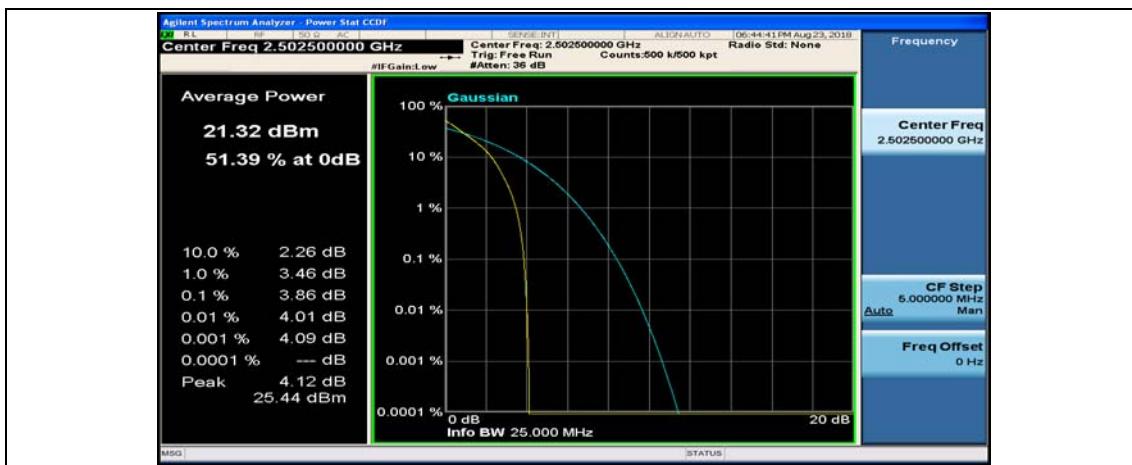
		1	0	3.52	<13	PASS
	HCH	1	49	3.71	<13	PASS
		1	99	2.76	<13	PASS
		50	0	5.33	<13	PASS
		50	25	5.16	<13	PASS
		50	50	4.75	<13	PASS
		100	0	5.27	<13	PASS
		1	0	3.39	<13	PASS
	LCH	1	49	3.37	<13	PASS
		1	99	4.82	<13	PASS
		50	0	4.71	<13	PASS
		50	25	4.78	<13	PASS
		50	50	5.46	<13	PASS
		100	0	5.5	<13	PASS
		1	0	4.71	<13	PASS
	MCH	1	49	4.04	<13	PASS
		1	99	3.69	<13	PASS
		50	0	6.26	<13	PASS
		50	25	5.78	<13	PASS
		50	50	5.45	<13	PASS
		100	0	6.09	<13	PASS
		1	0	4.28	<13	PASS
	HCH	1	49	4.46	<13	PASS
		1	99	3.4	<13	PASS
		50	0	6.17	<13	PASS
		50	25	6.05	<13	PASS
		50	50	5.67	<13	PASS
		100	0	6.12	<13	PASS

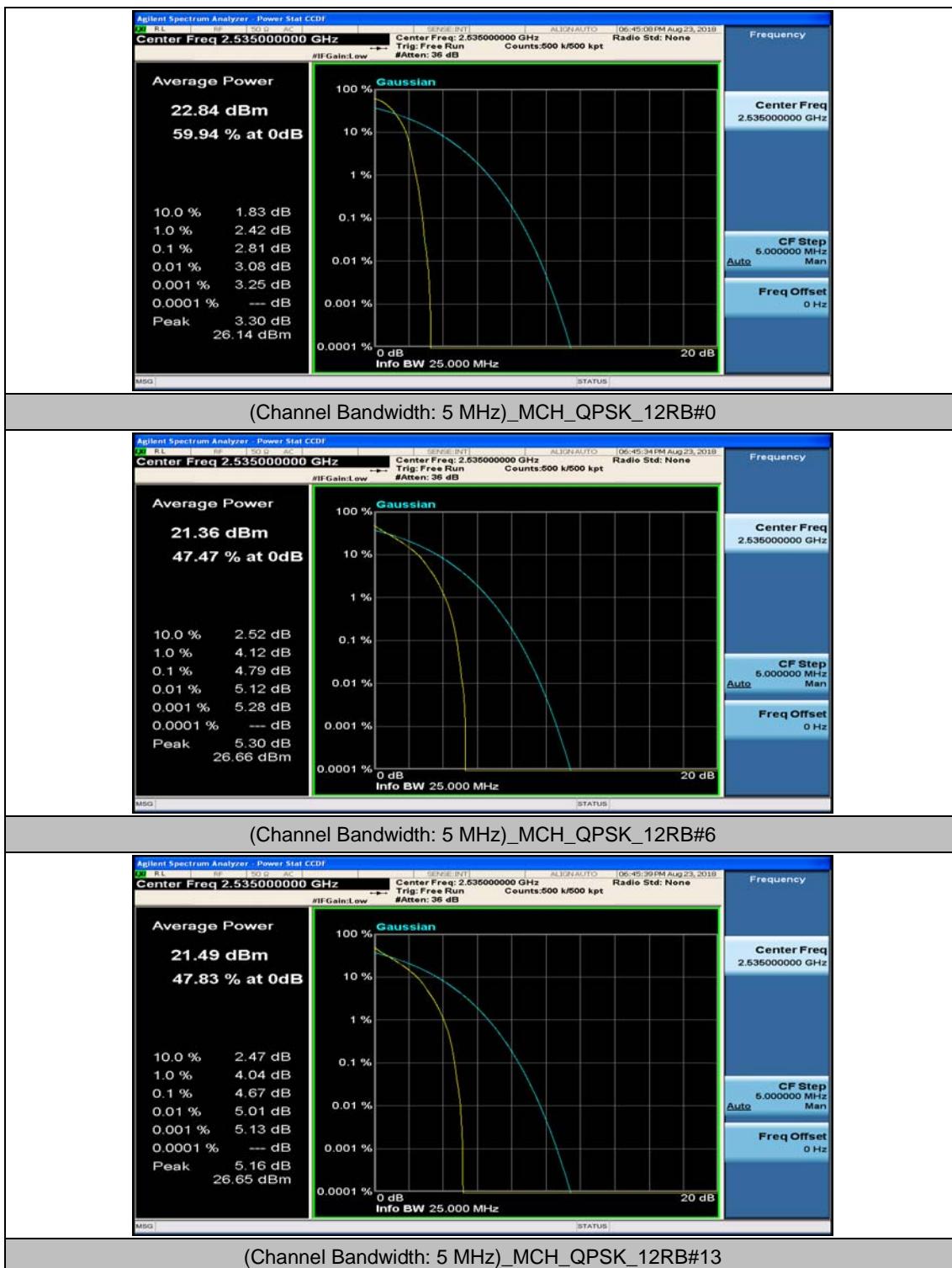
## Test Graphs

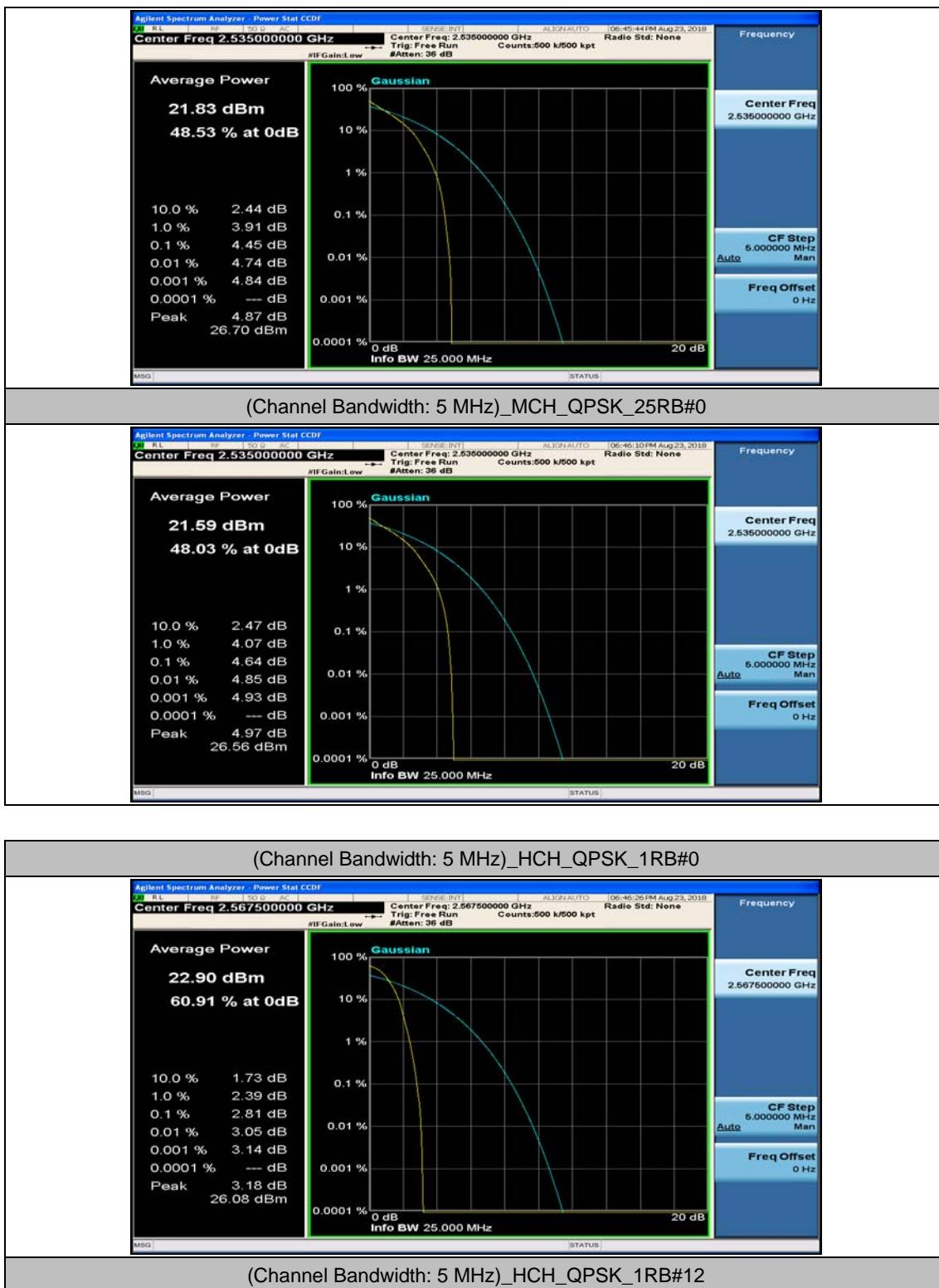
### Channel Bandwidth: 5 MHz

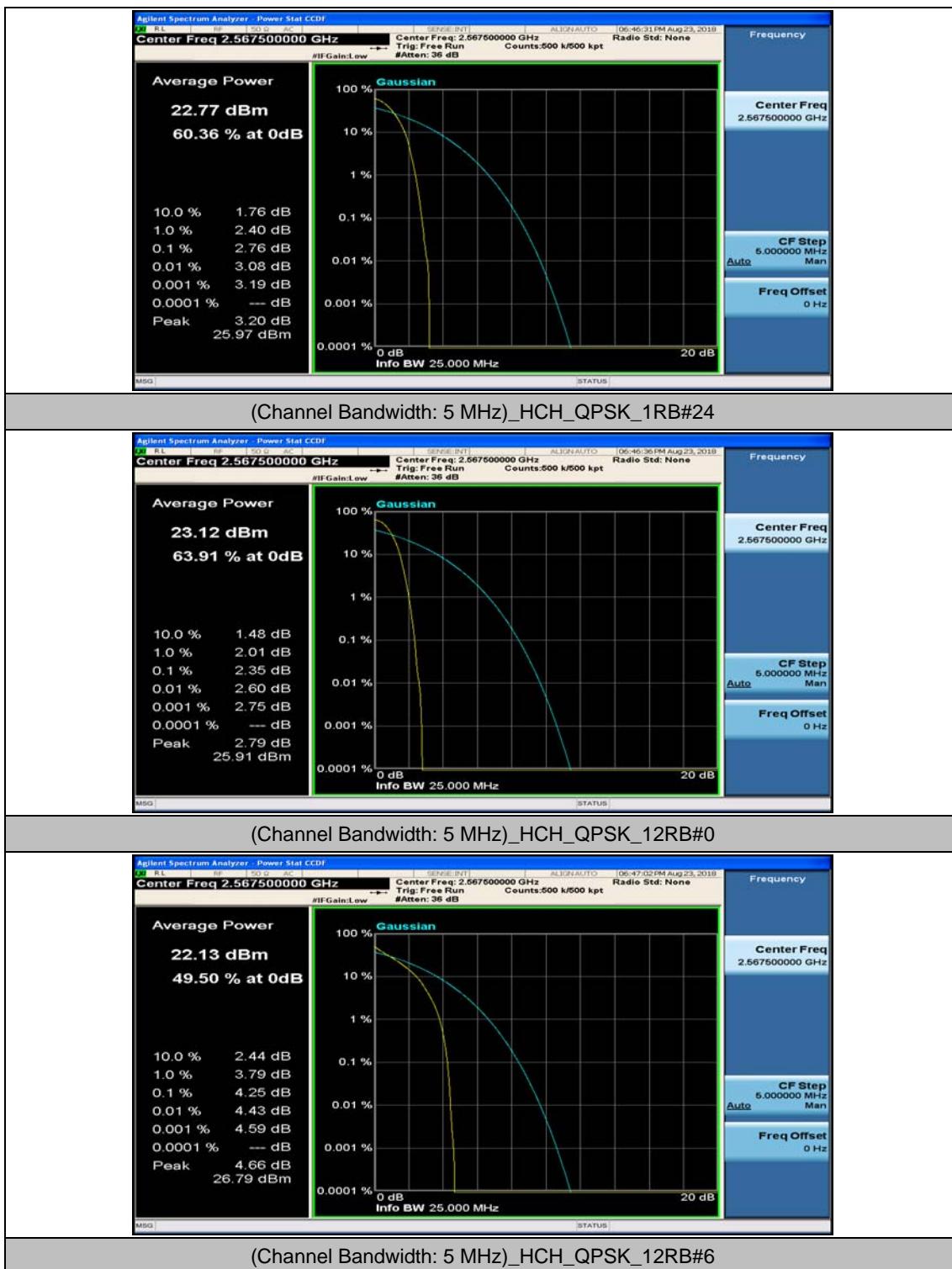


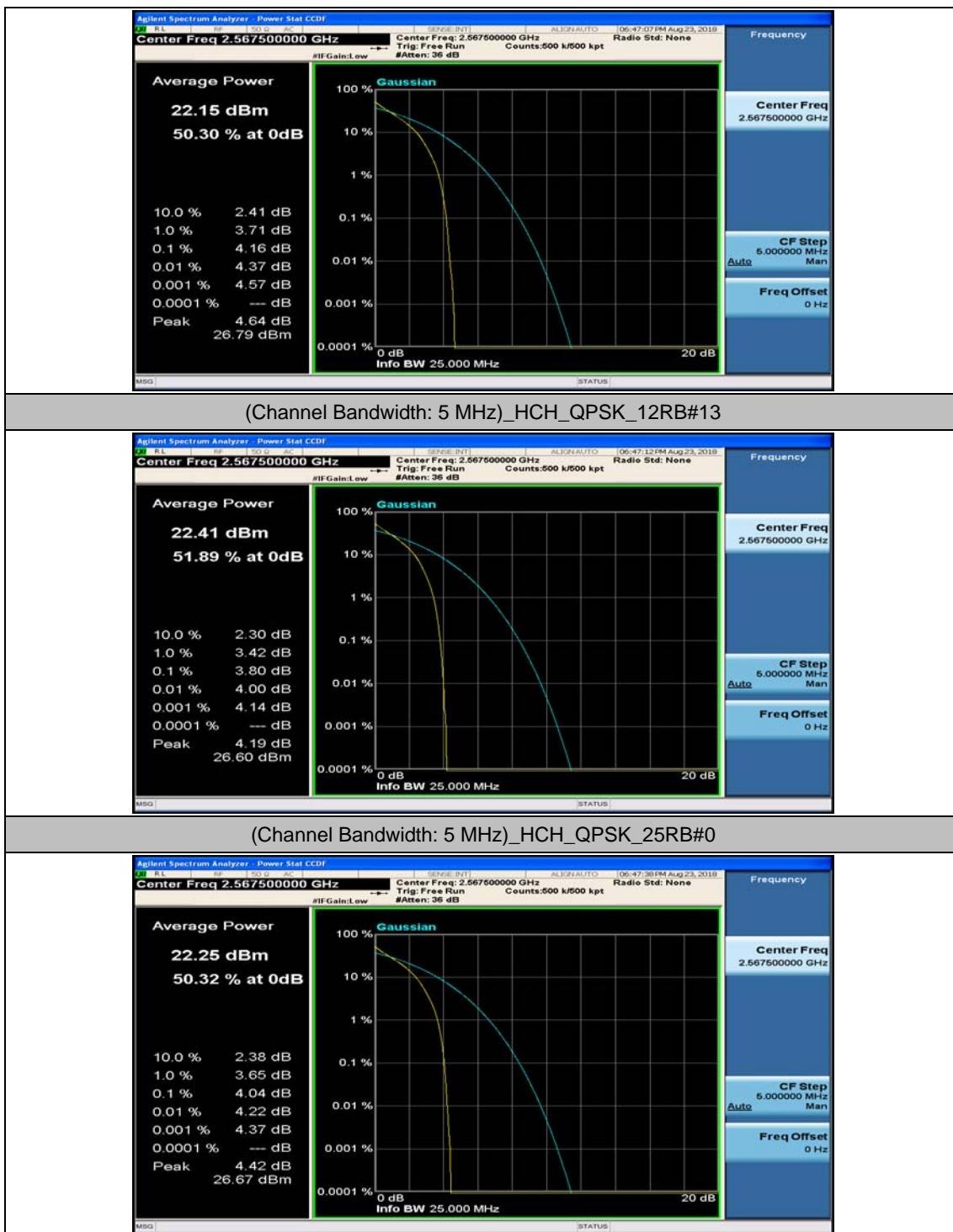


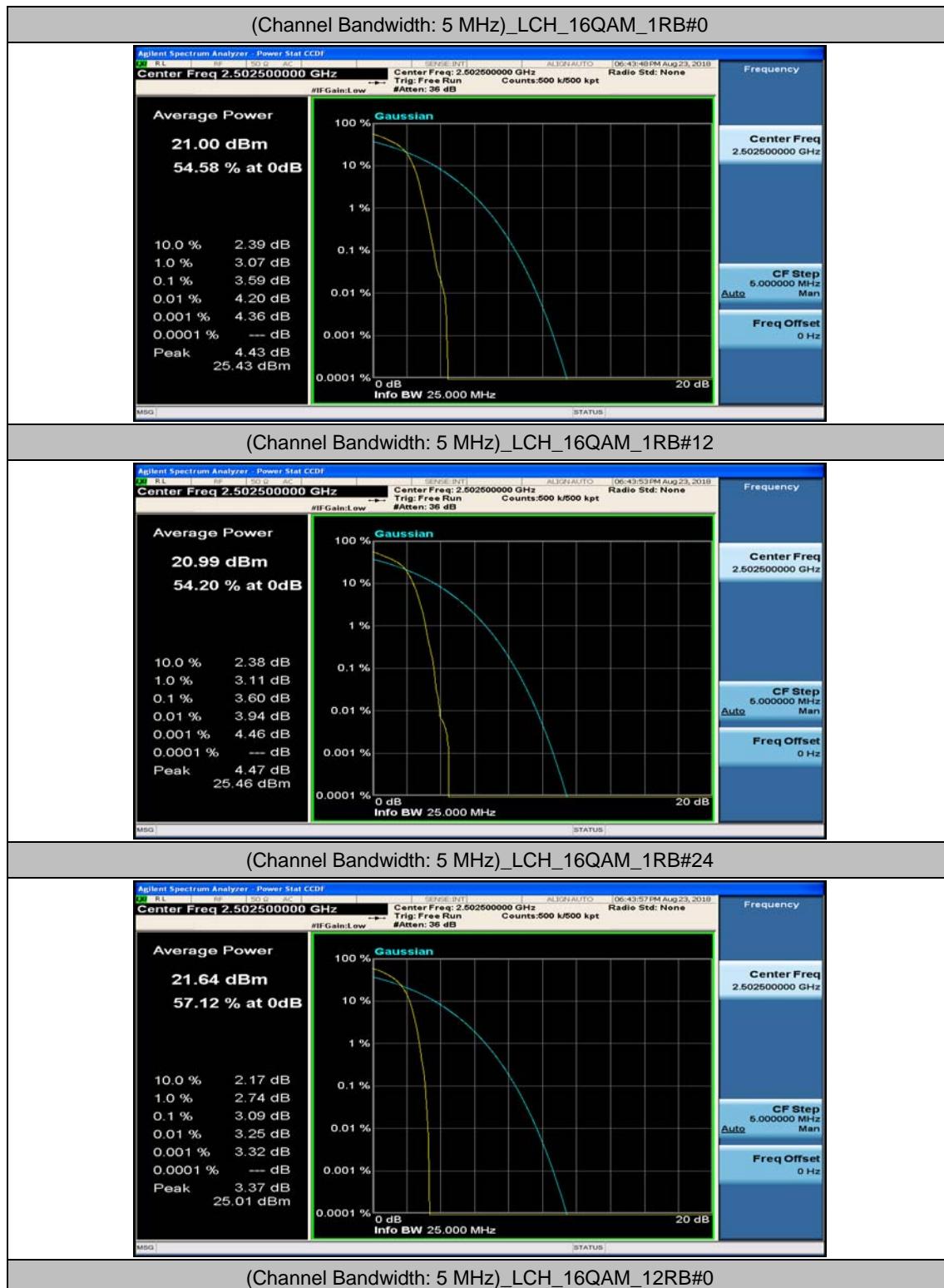


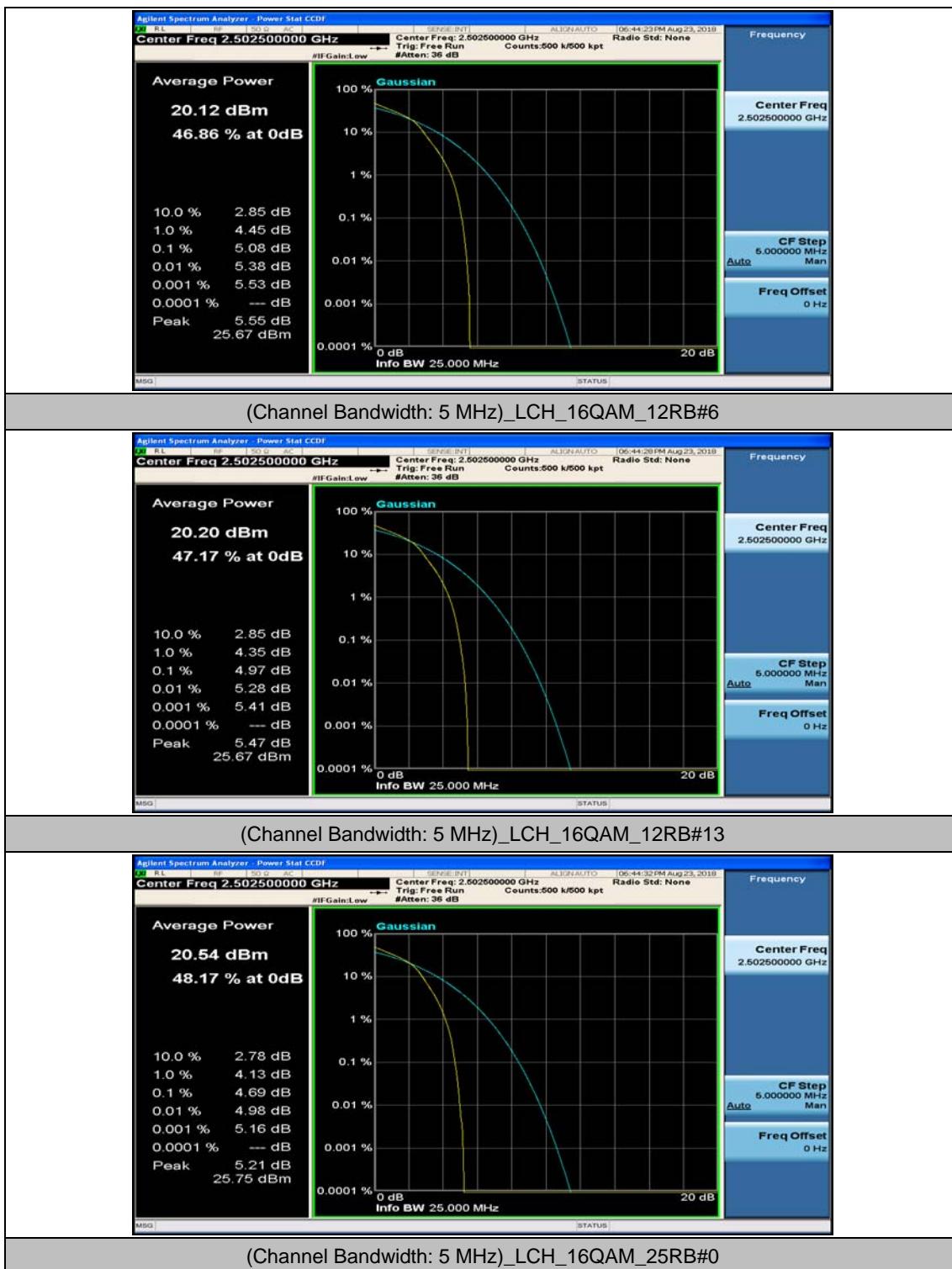


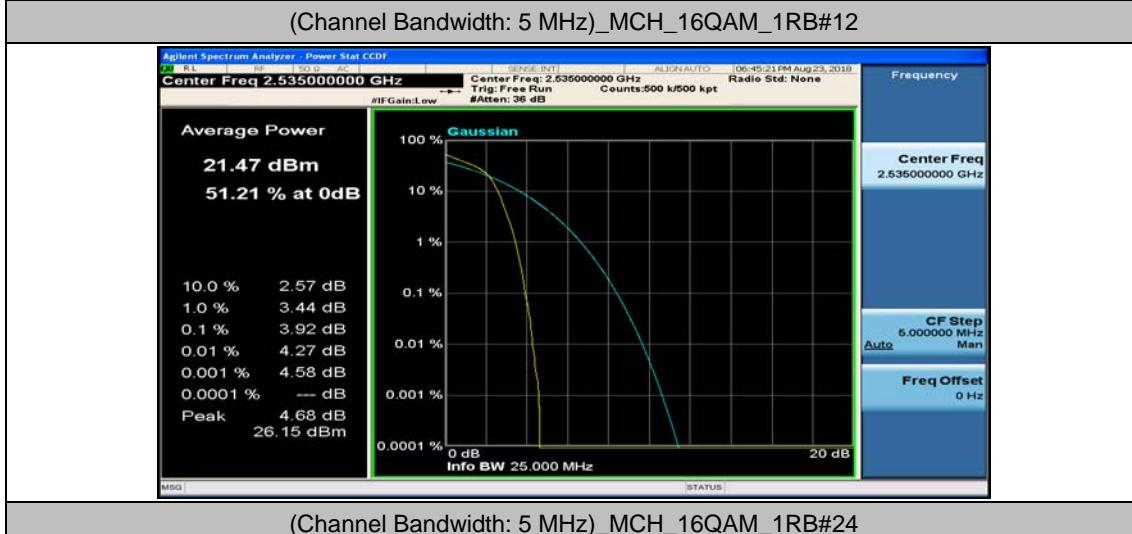
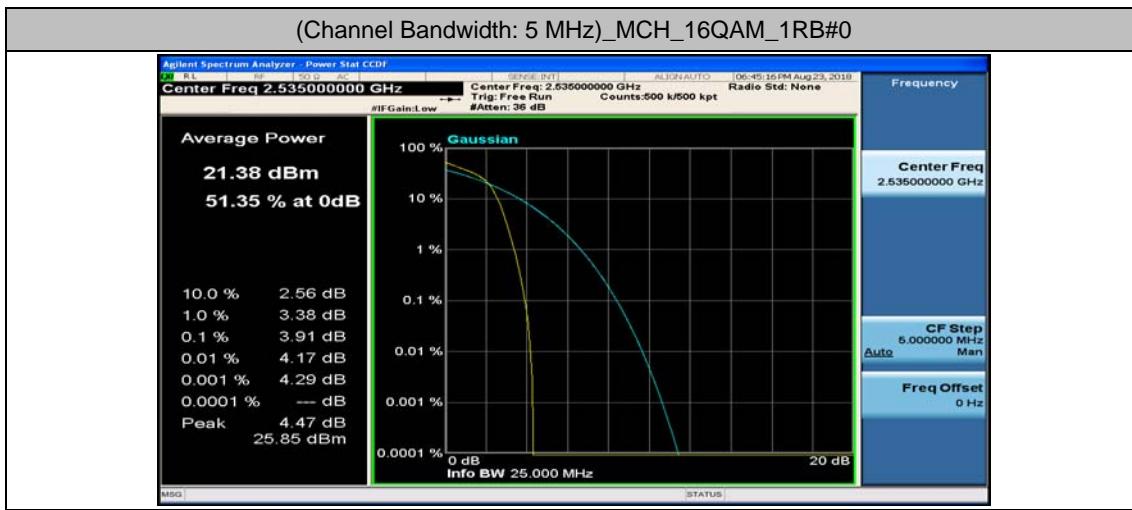
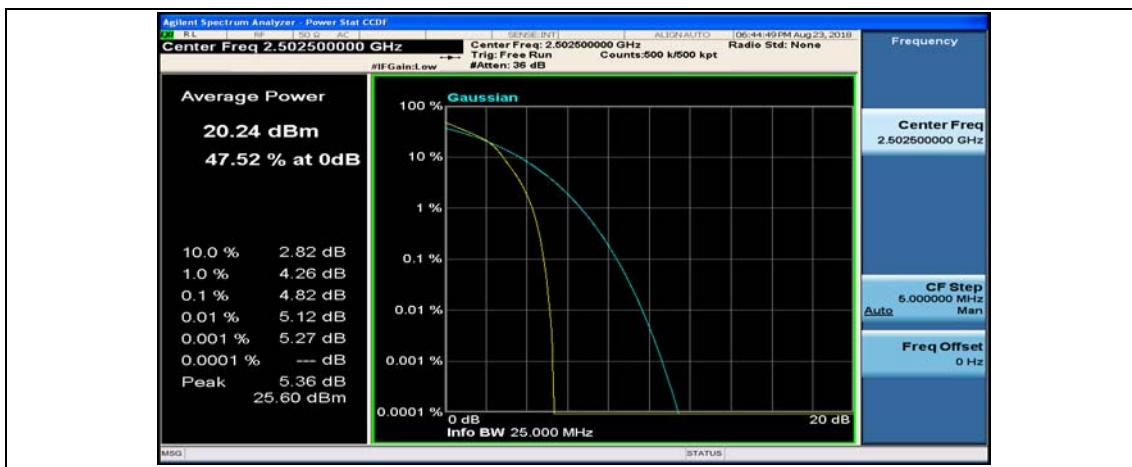




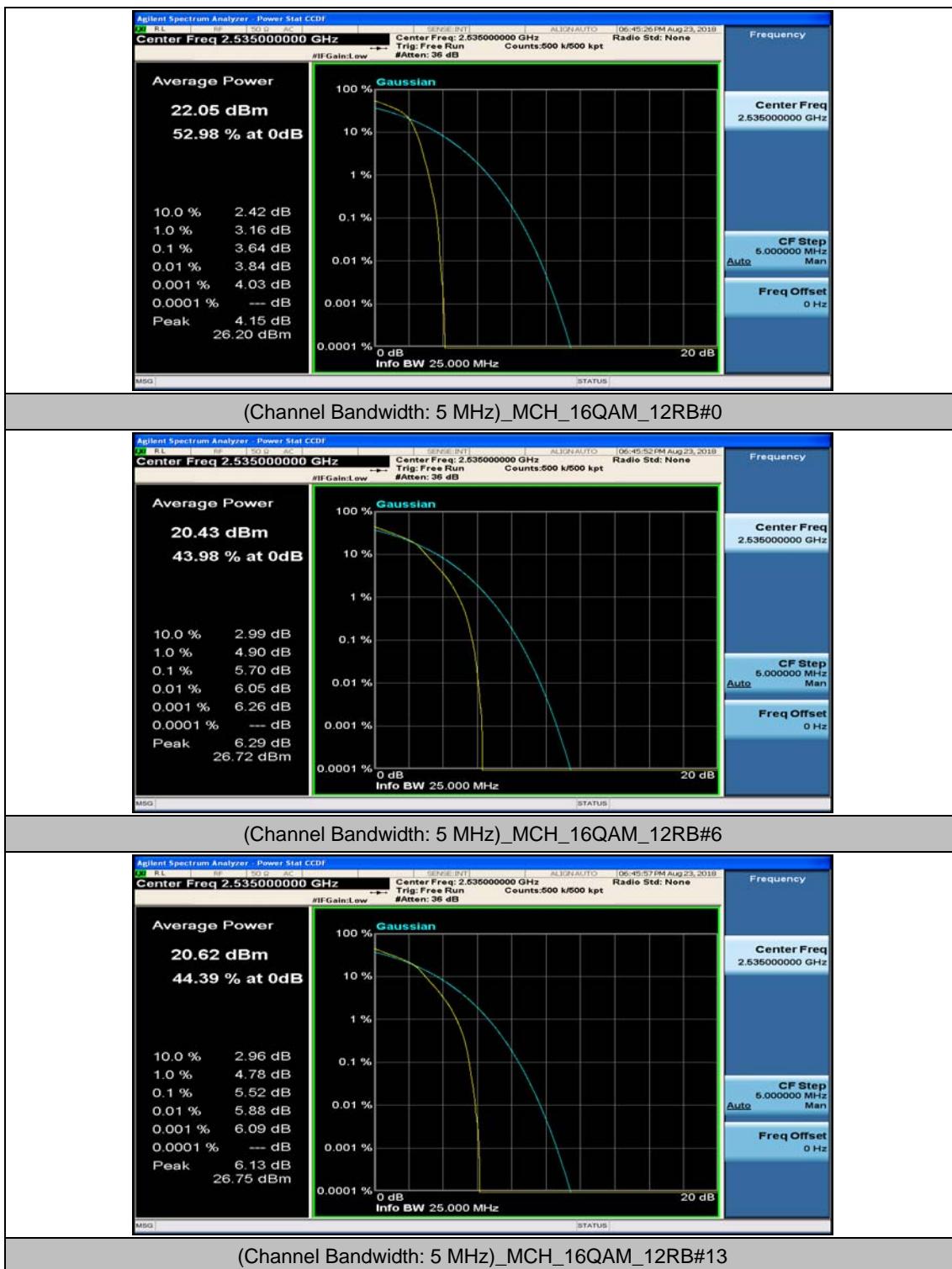


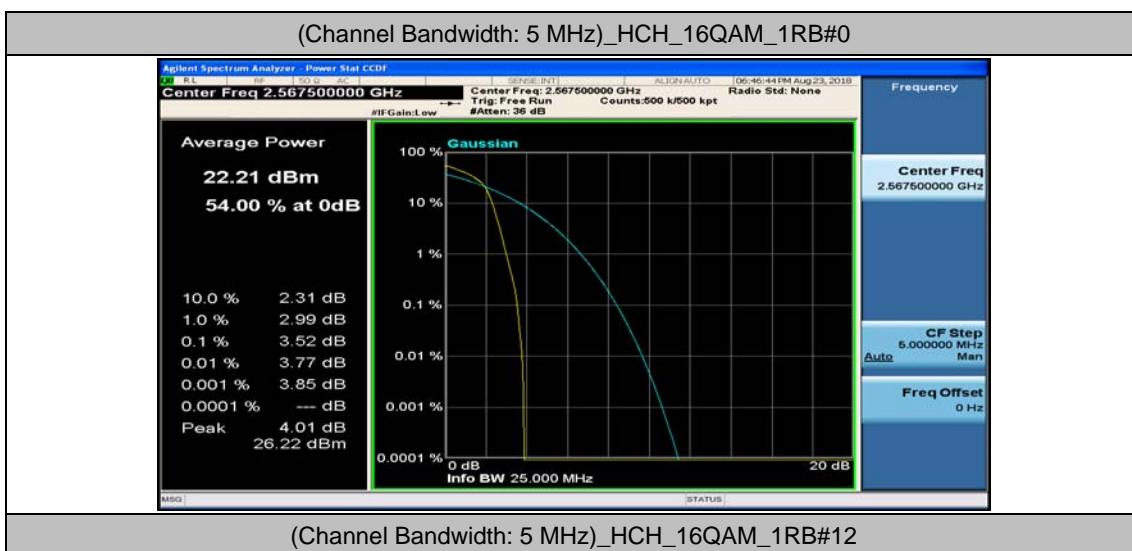
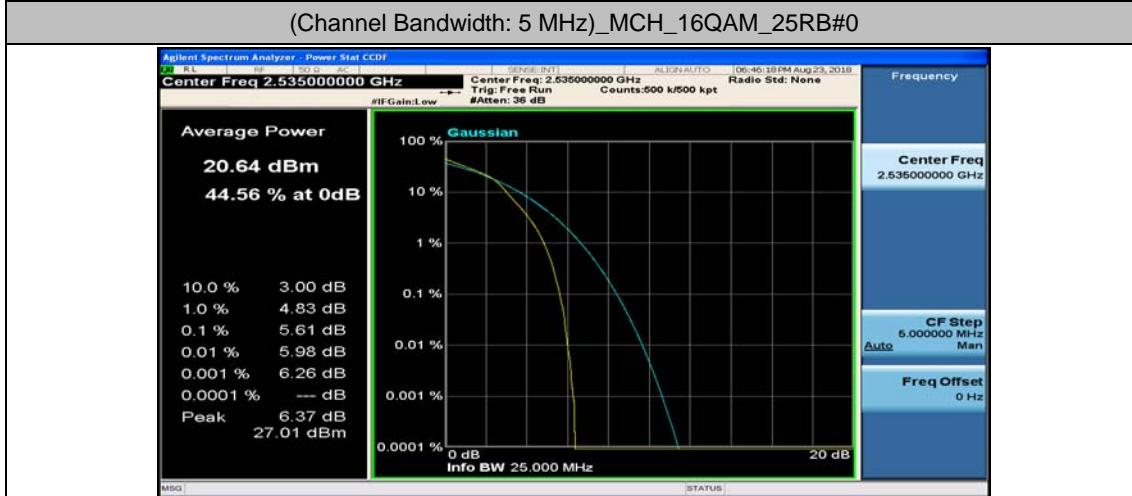
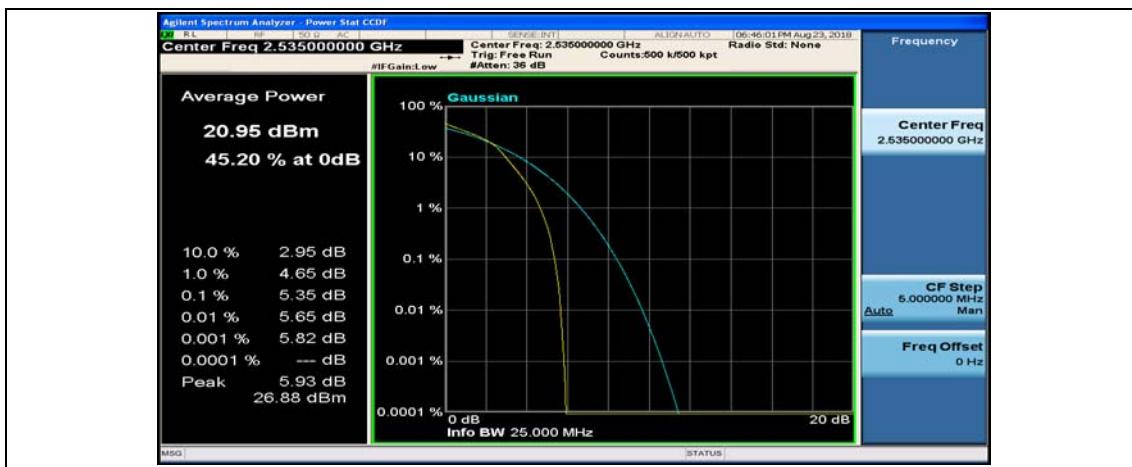


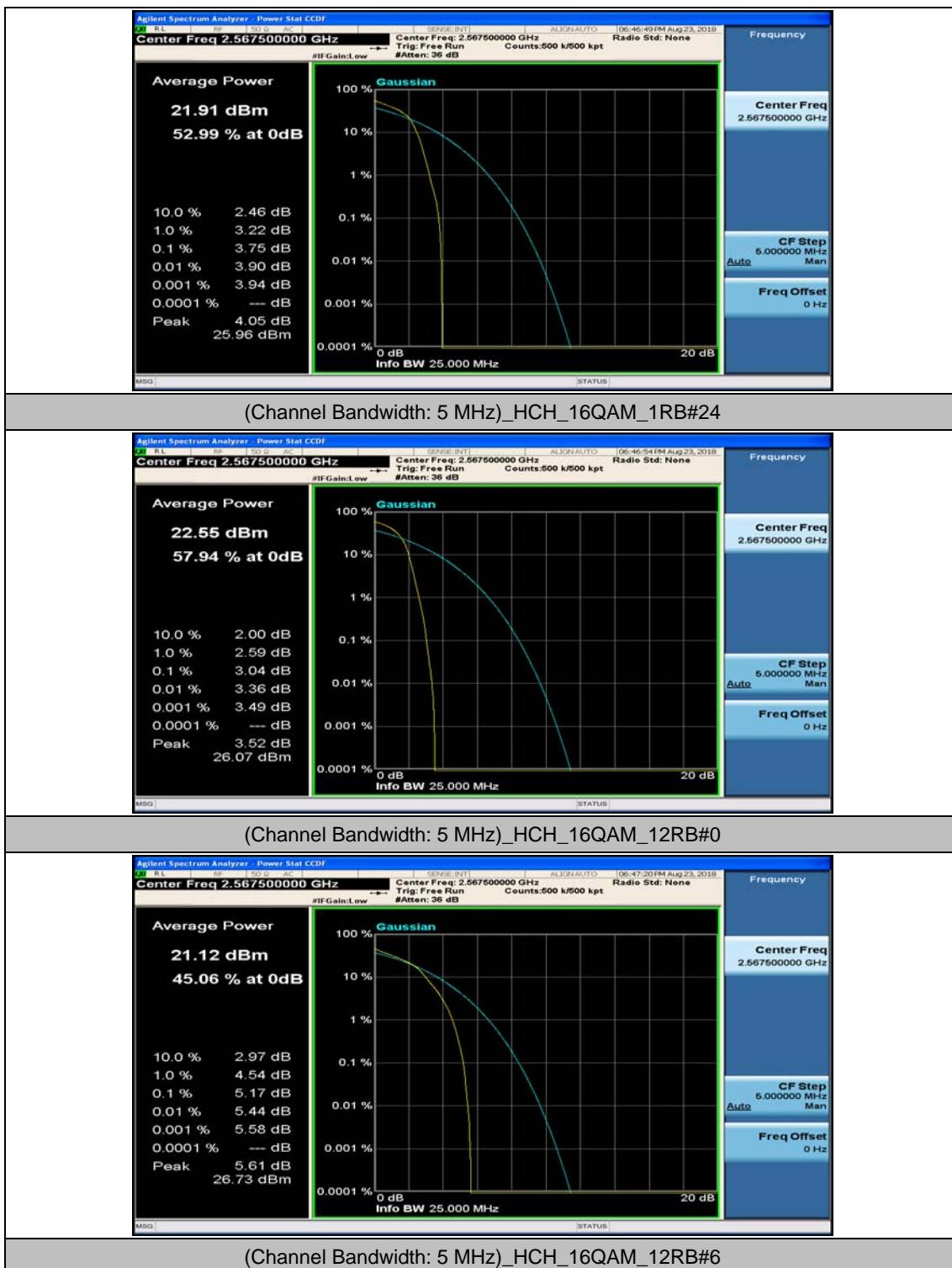


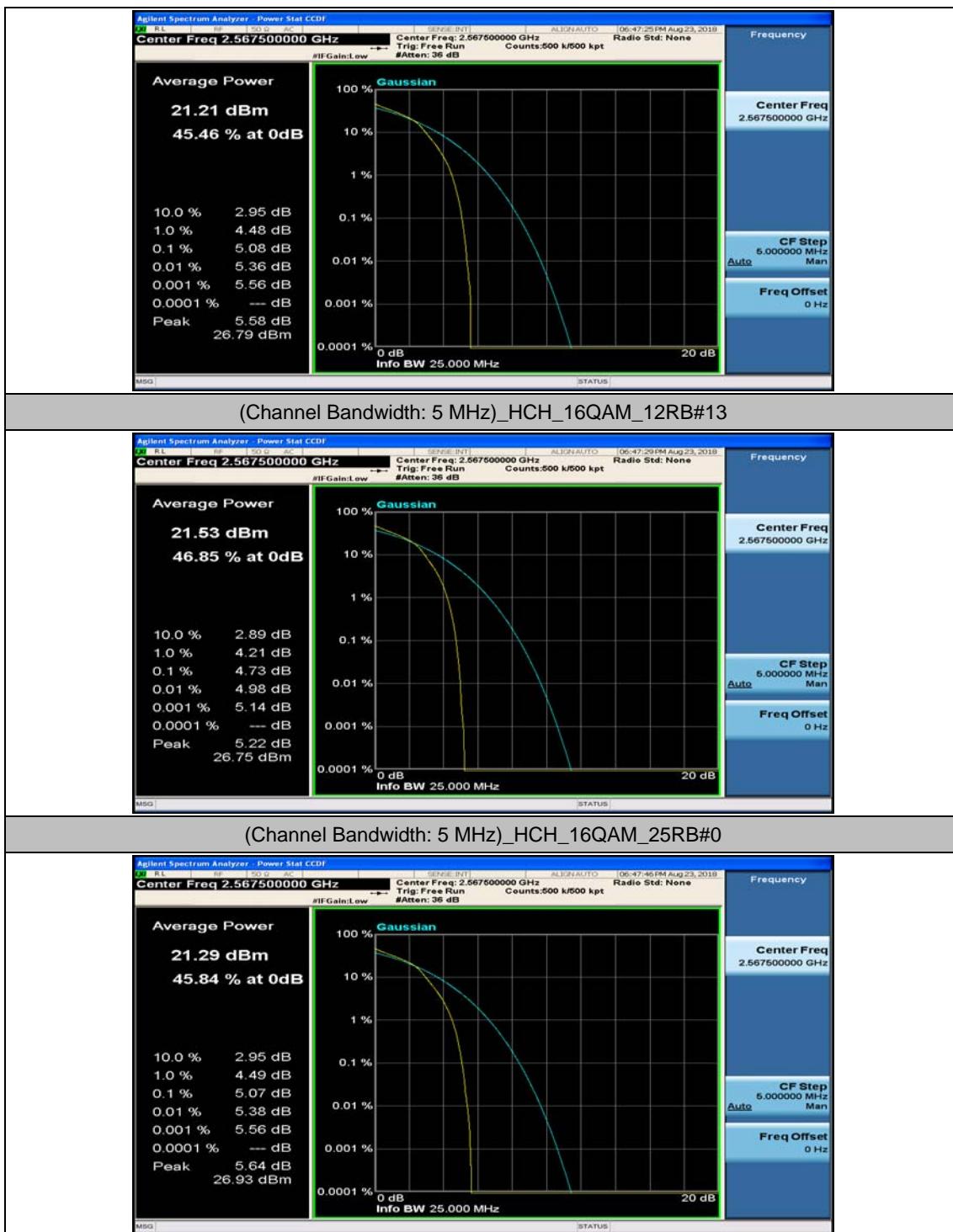


**(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24**

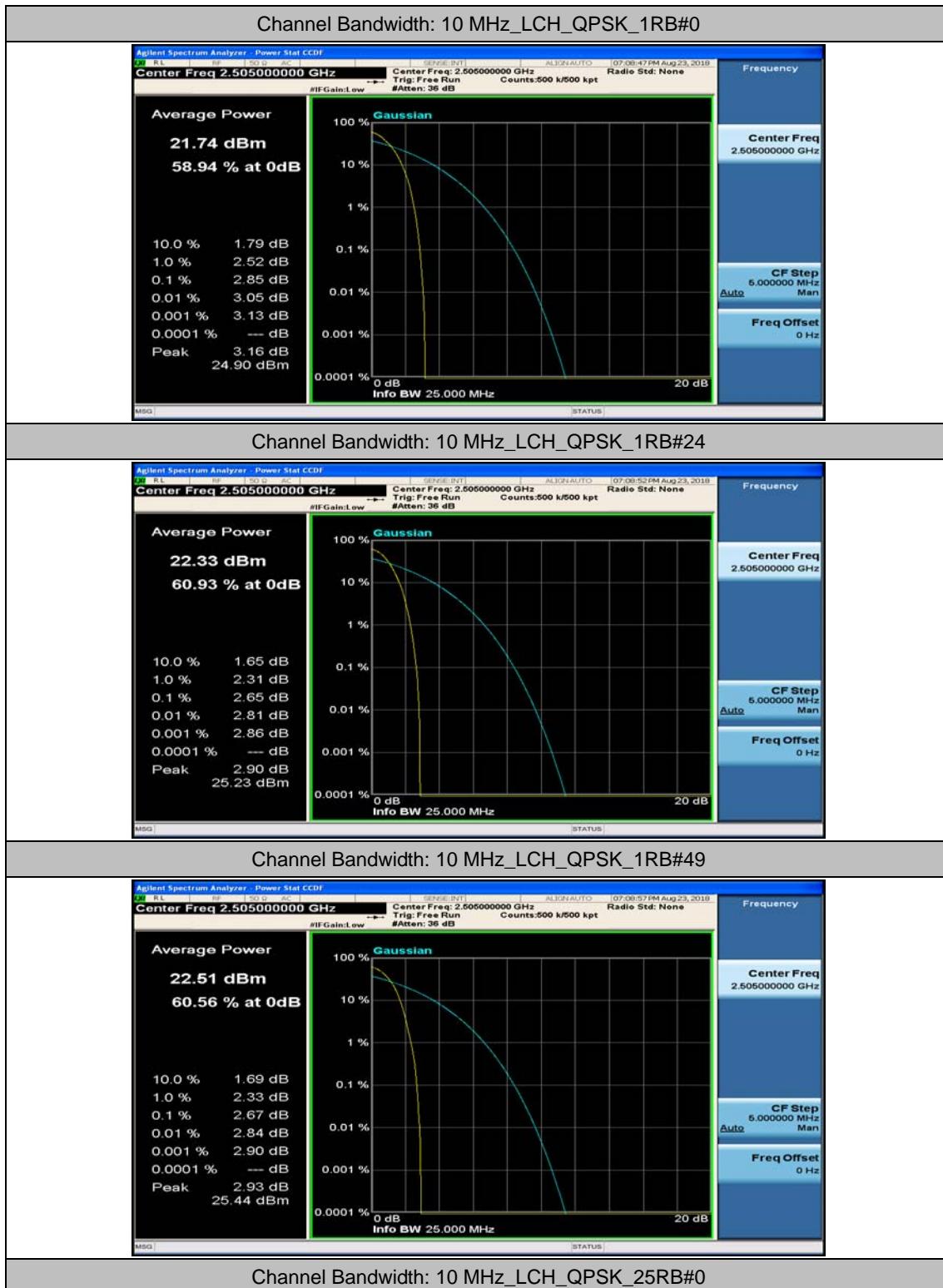


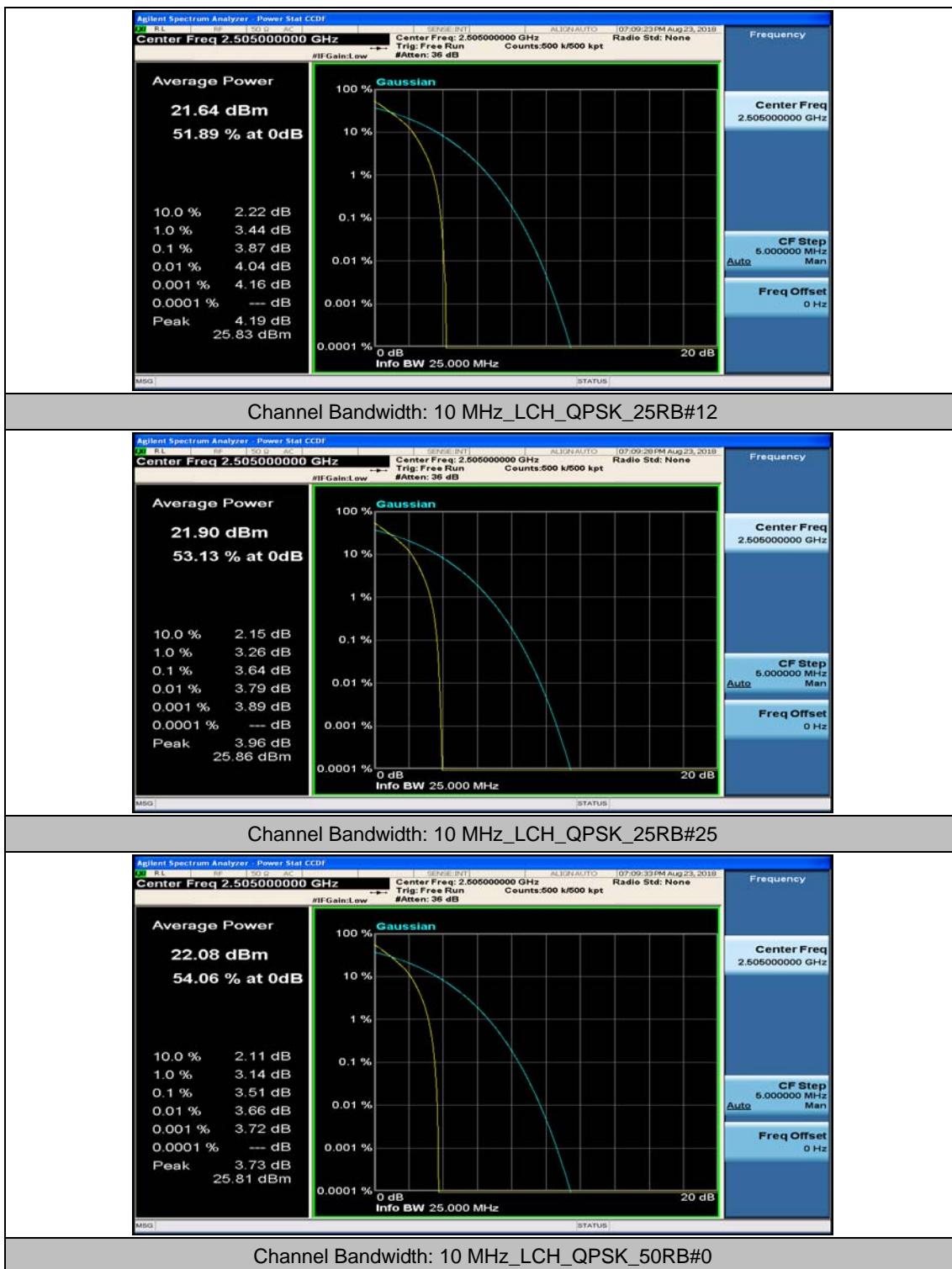


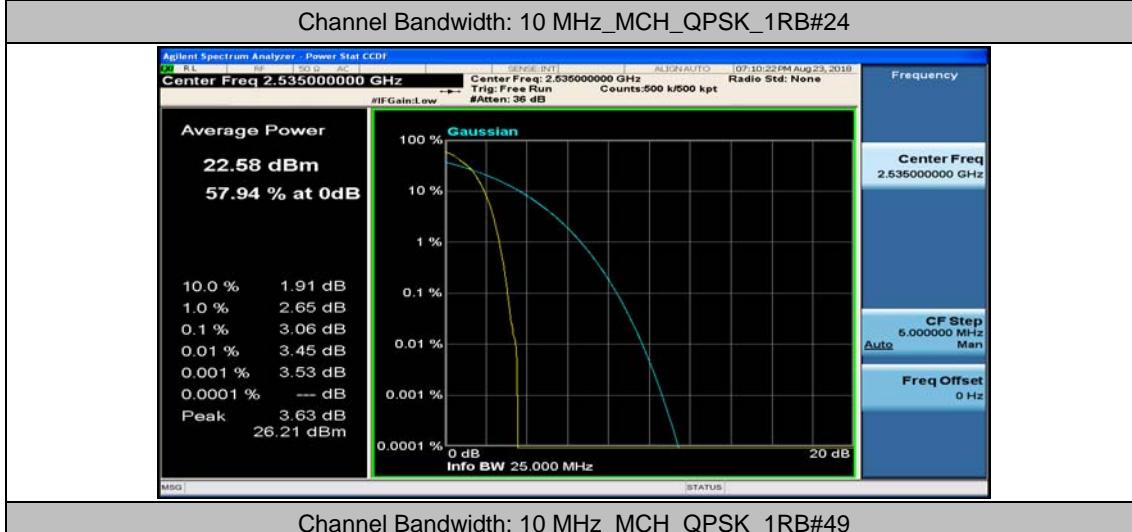
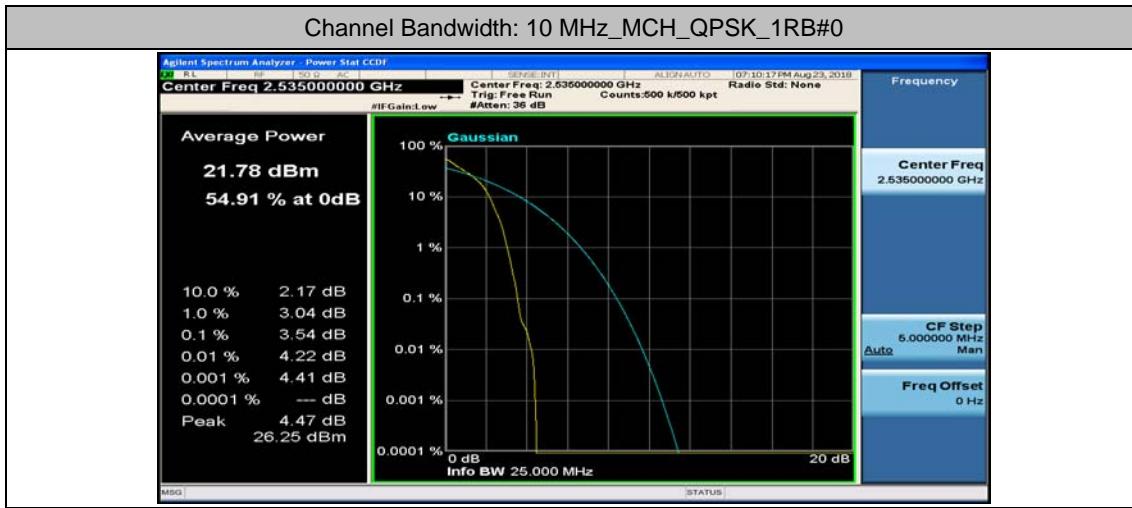
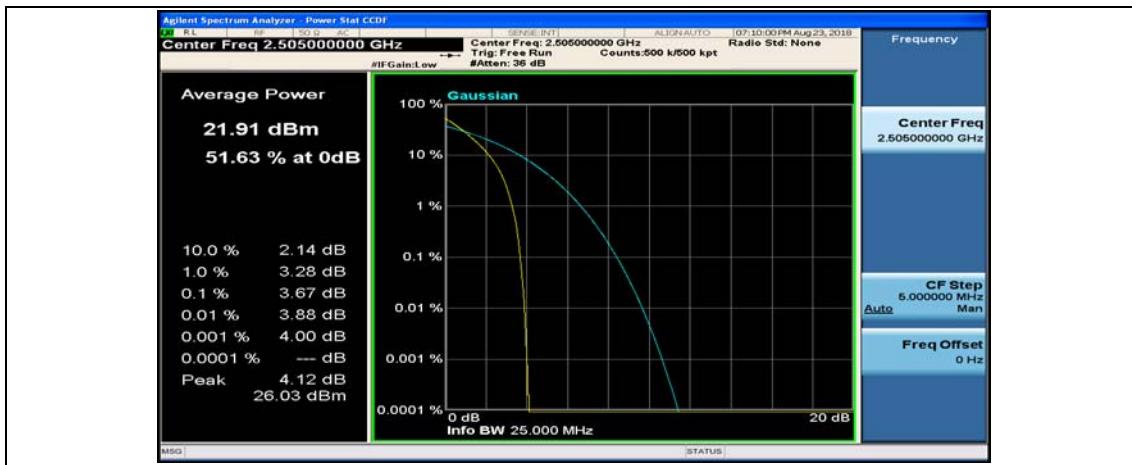




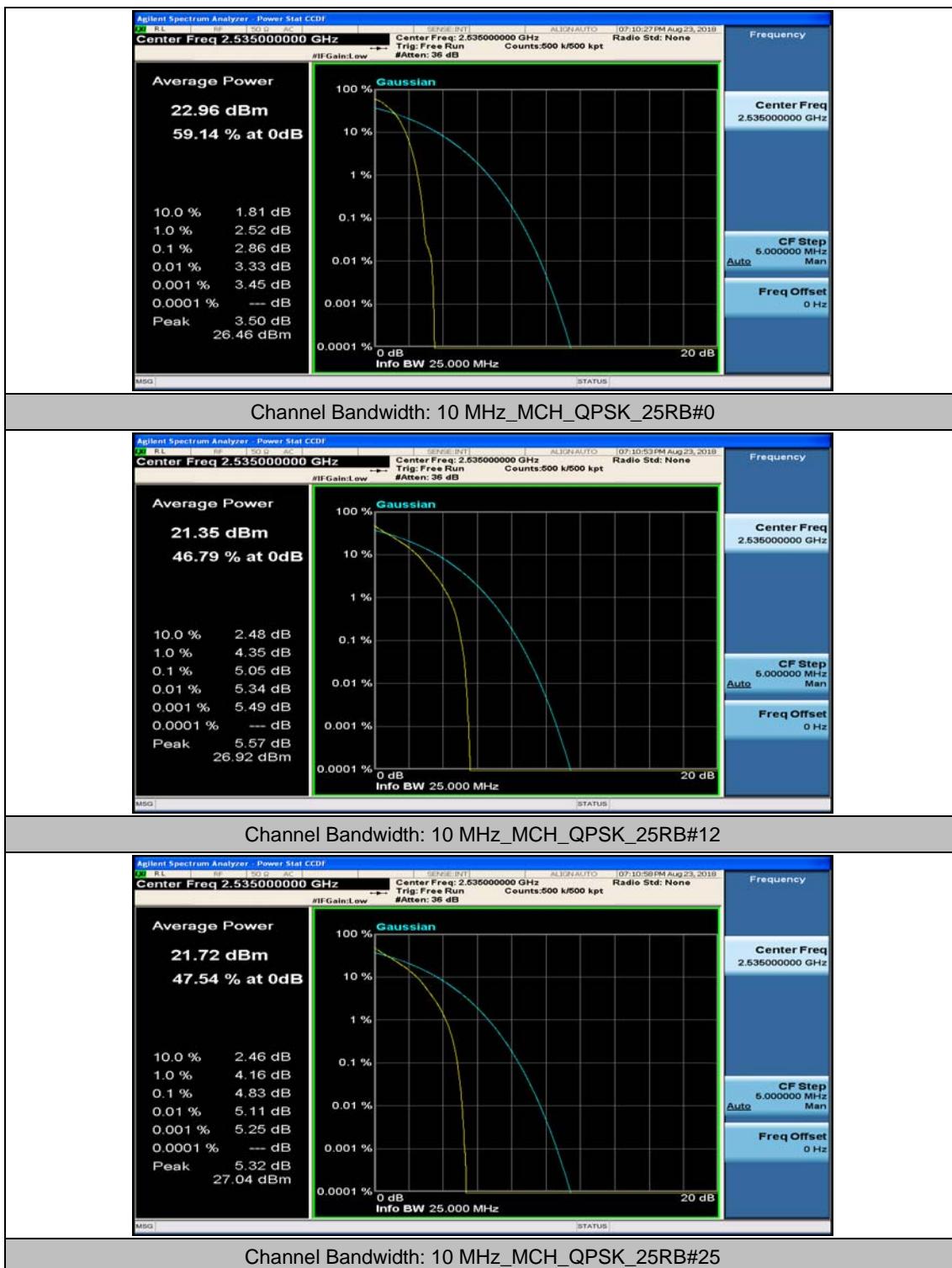
## Channel Bandwidth: 10 MHz

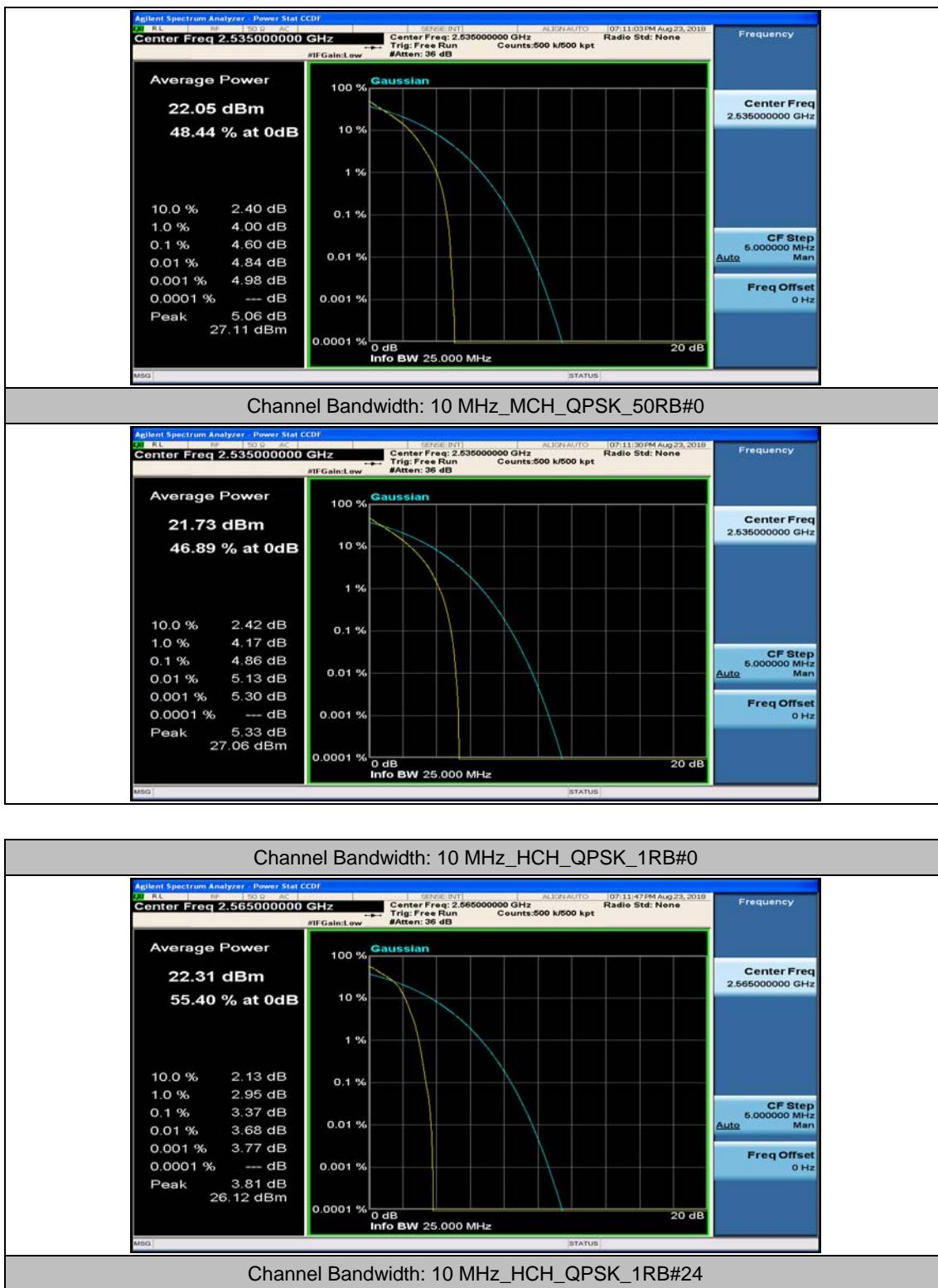


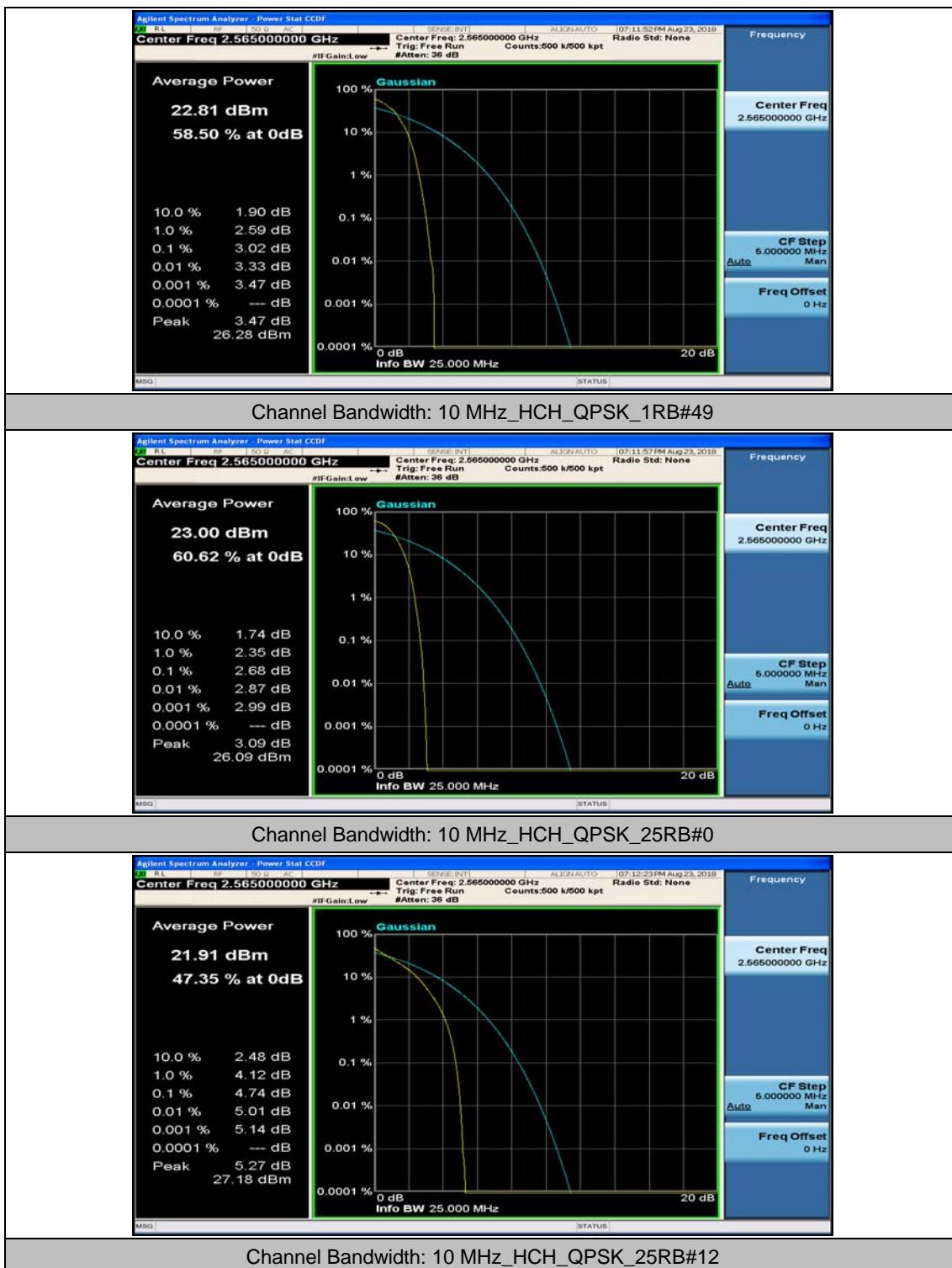


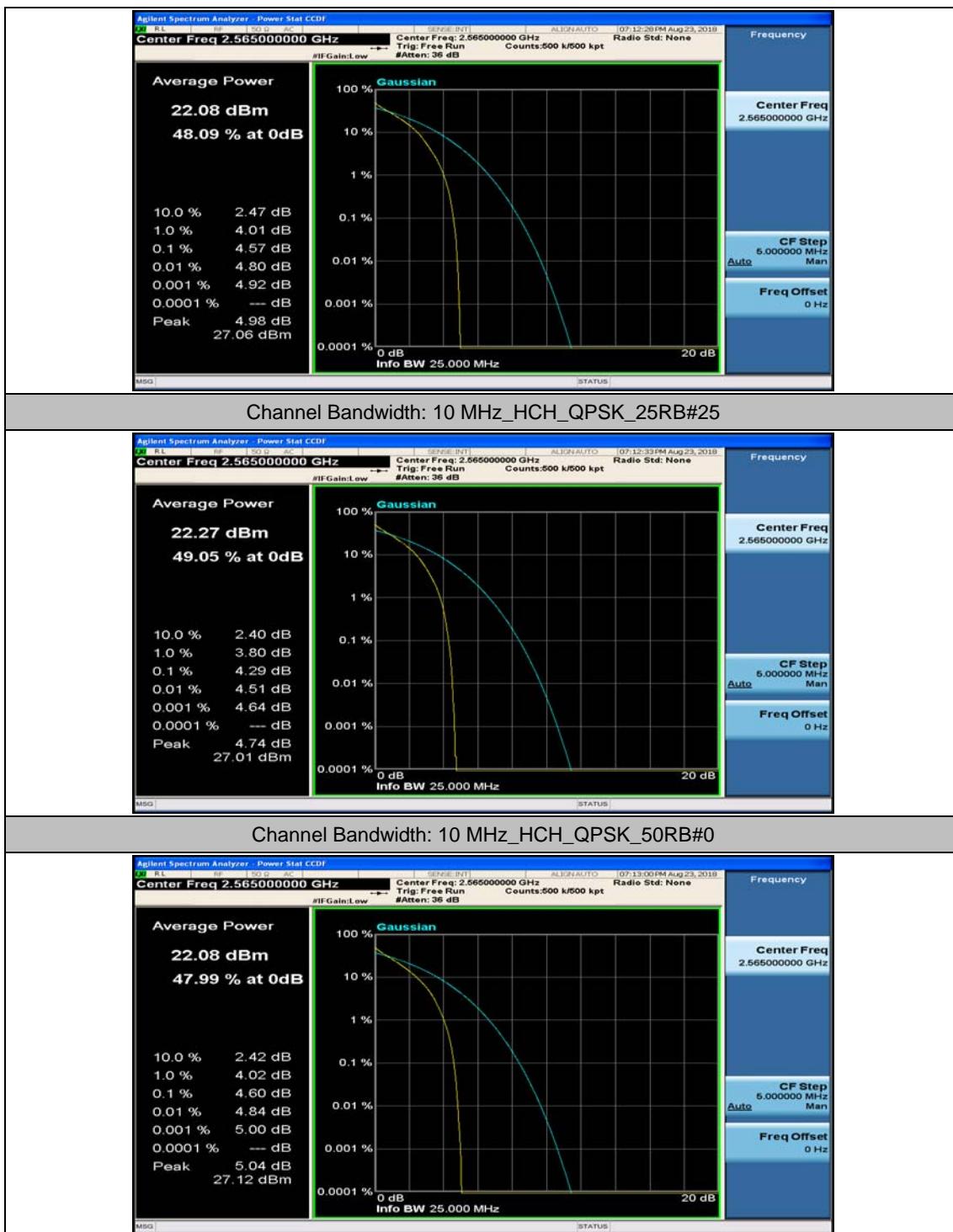


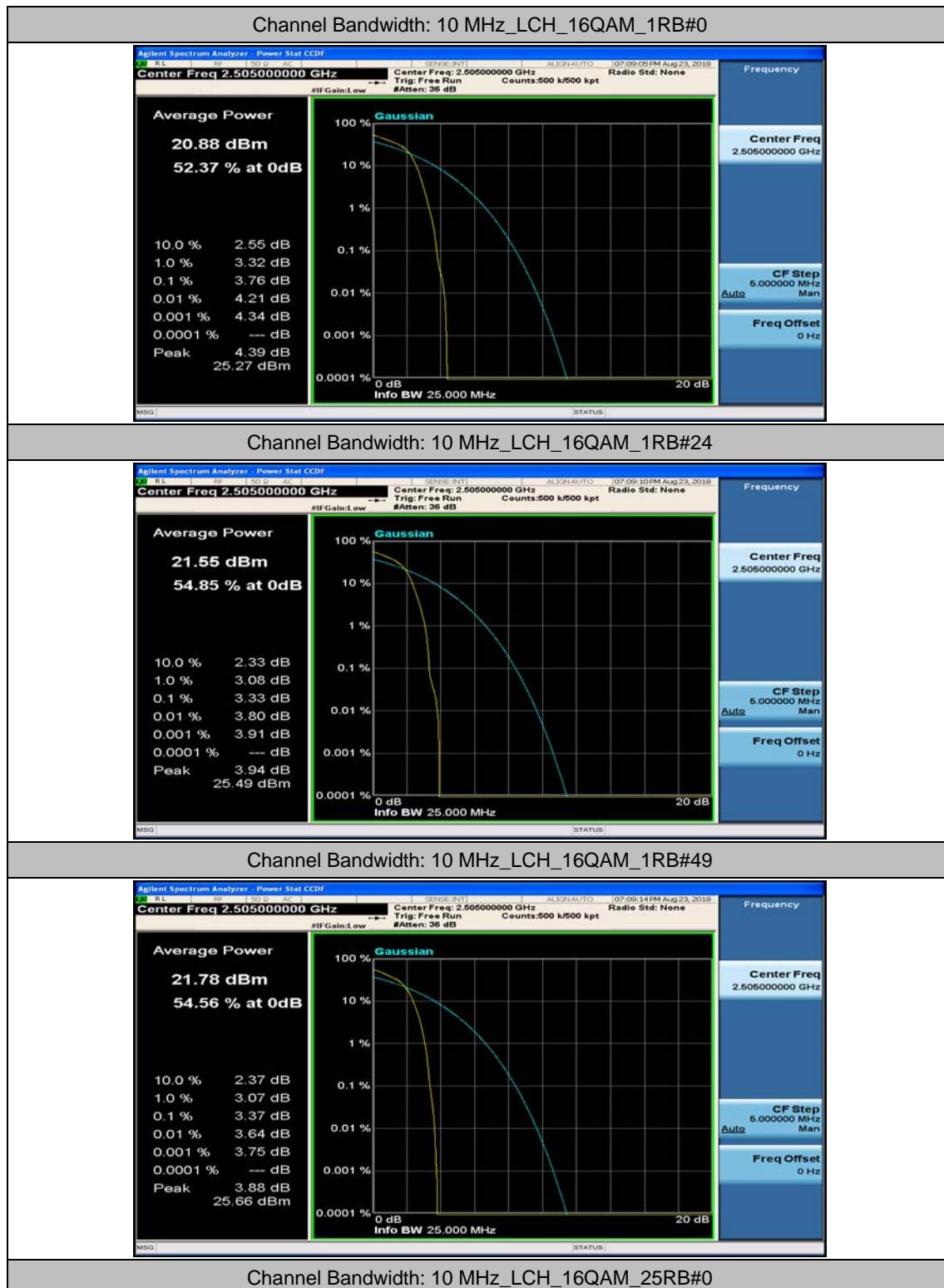
**Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#49**

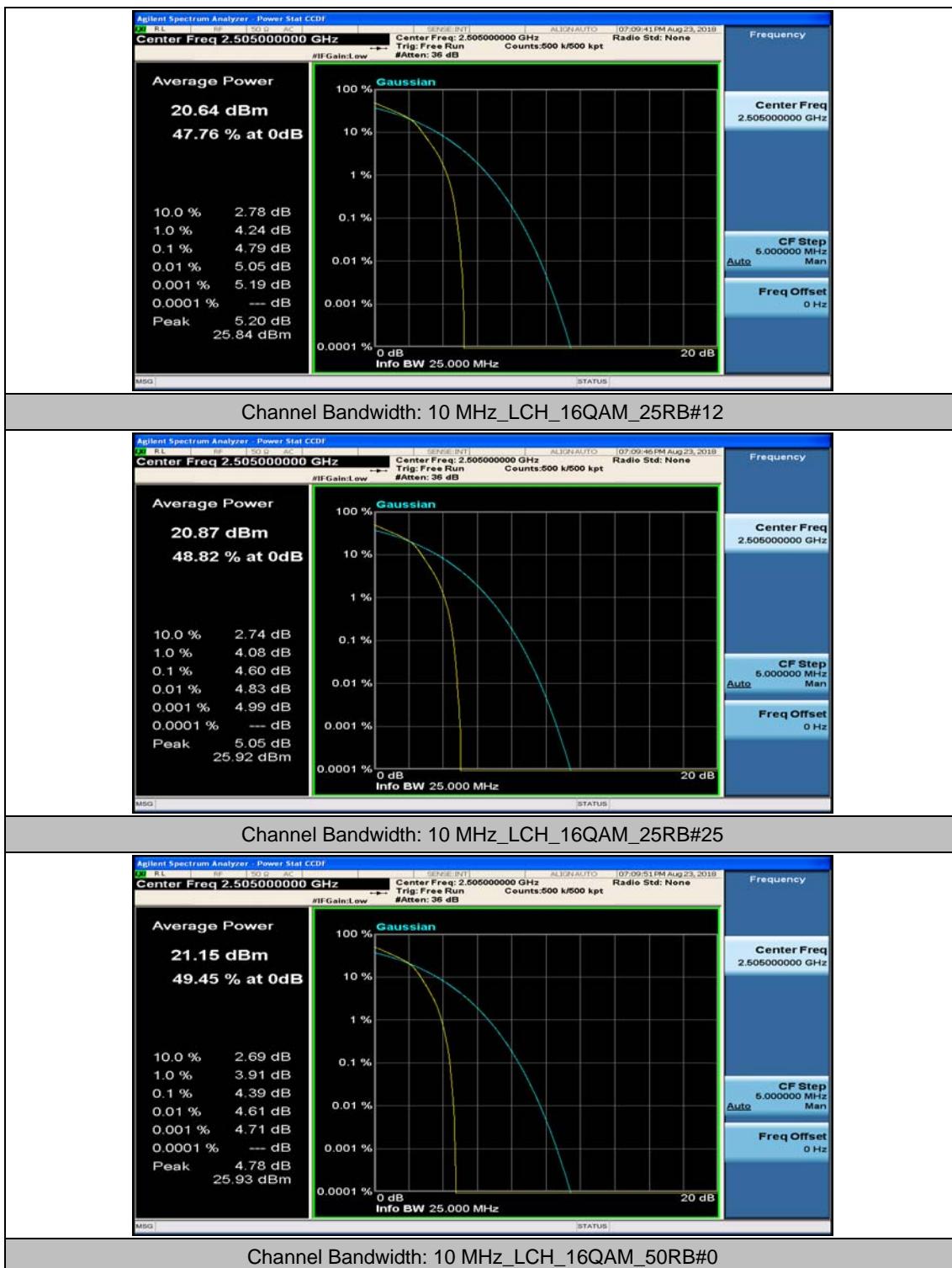


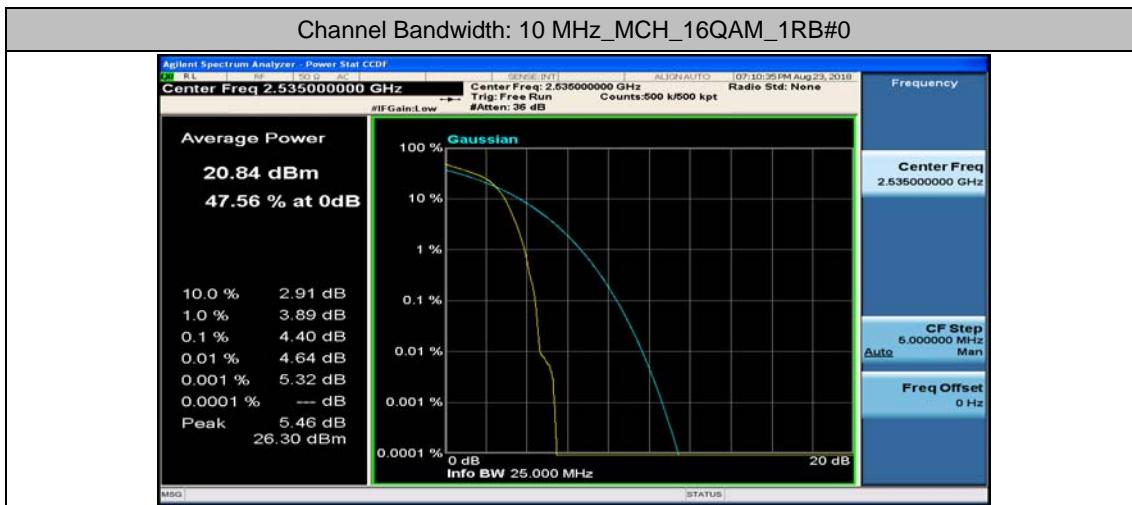
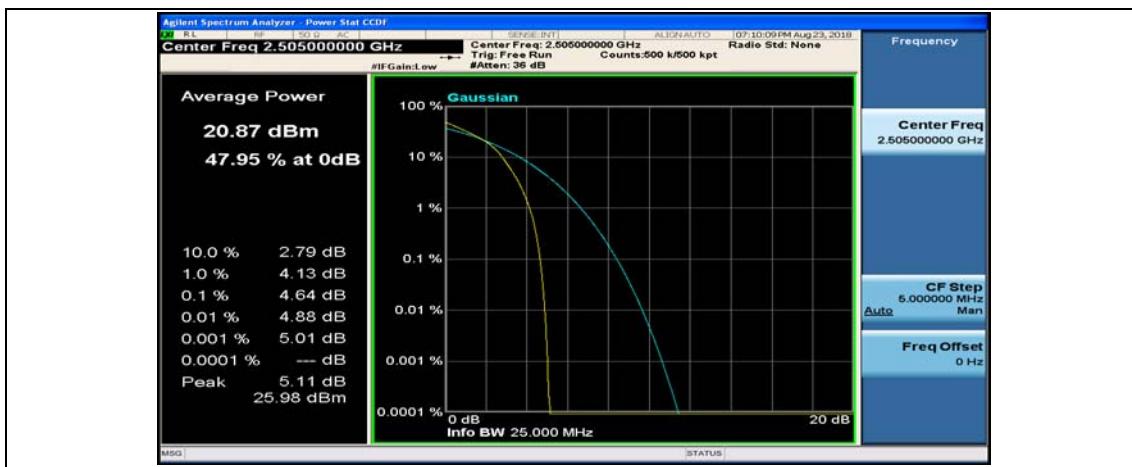




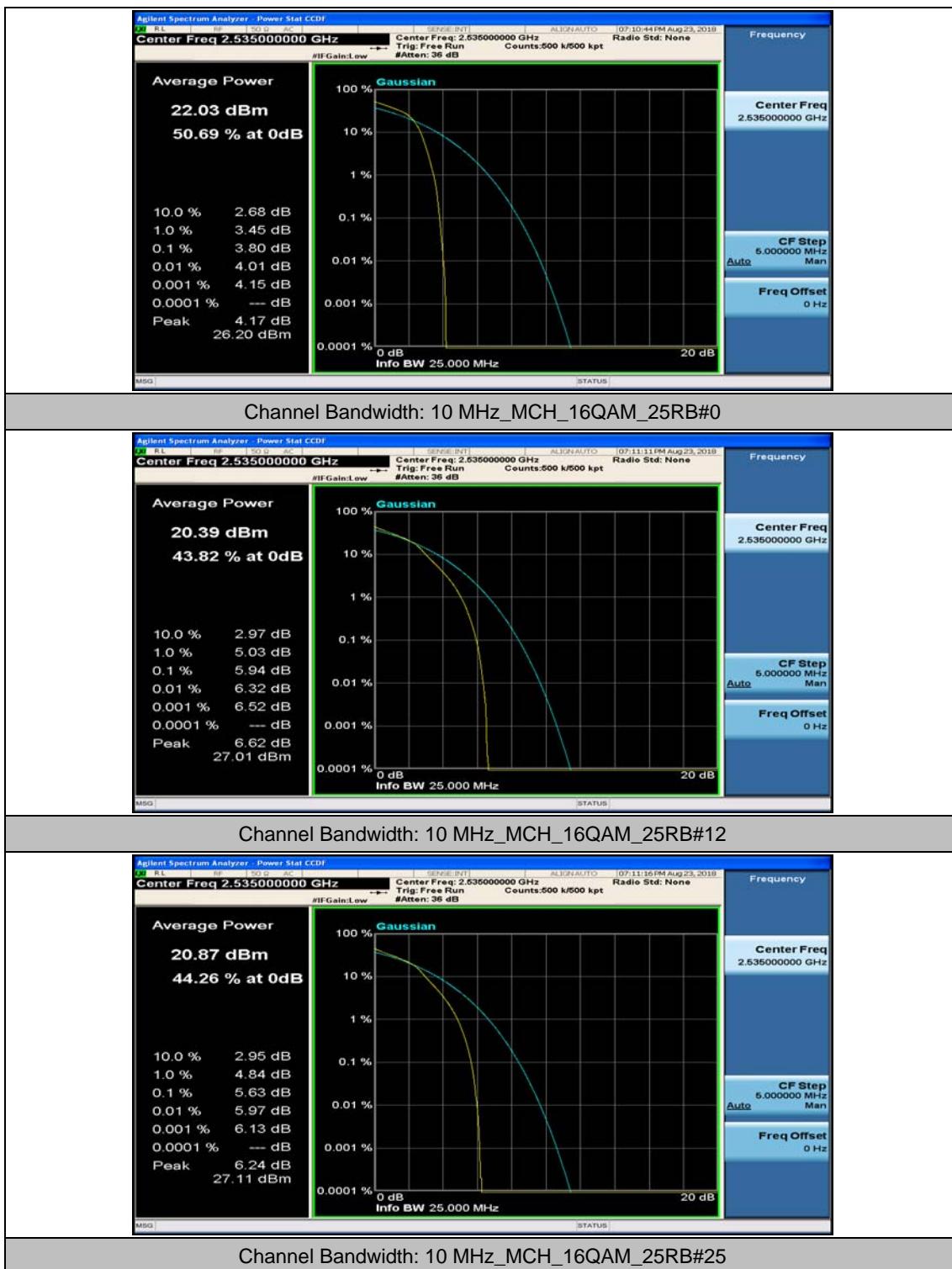


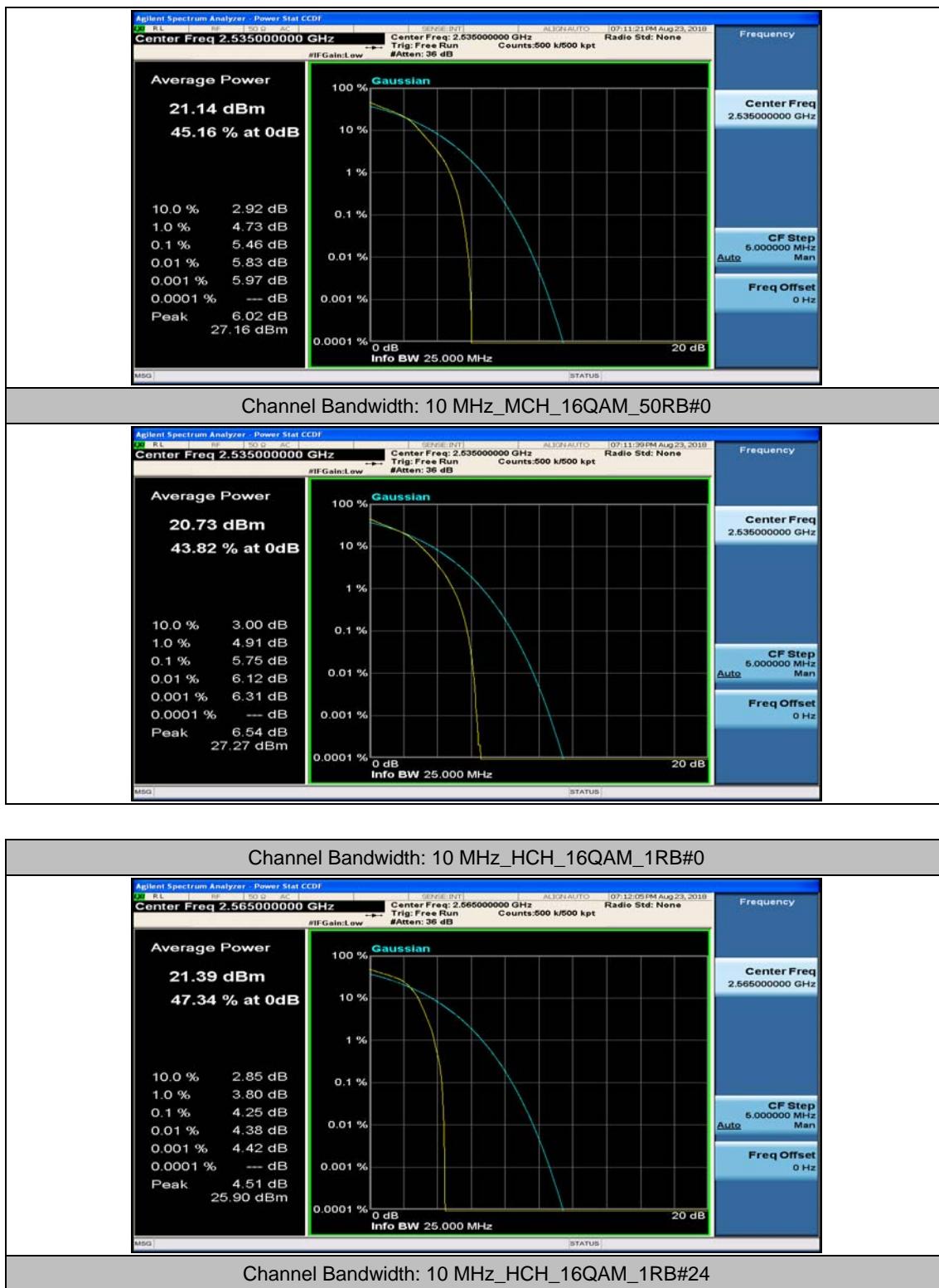


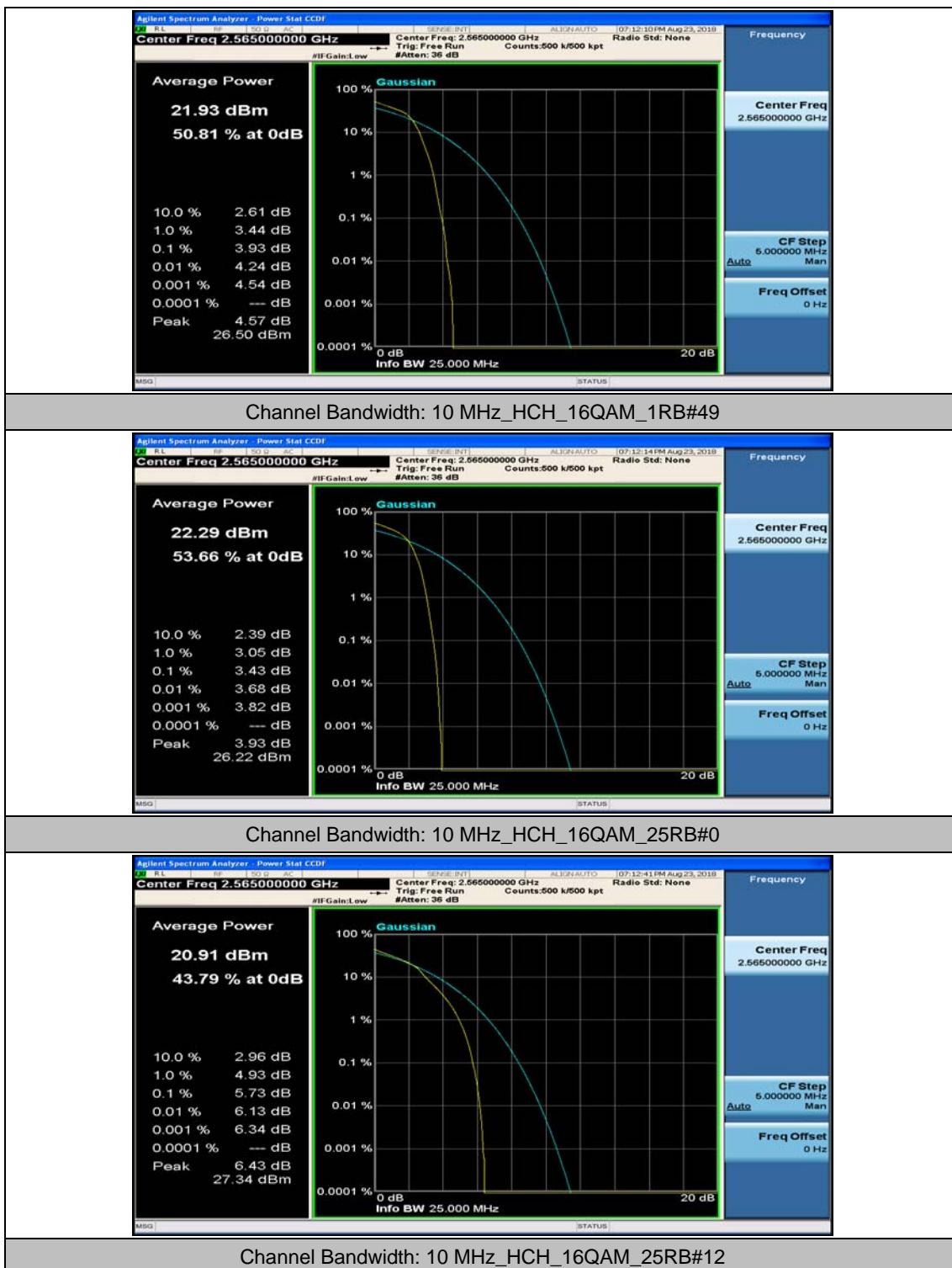


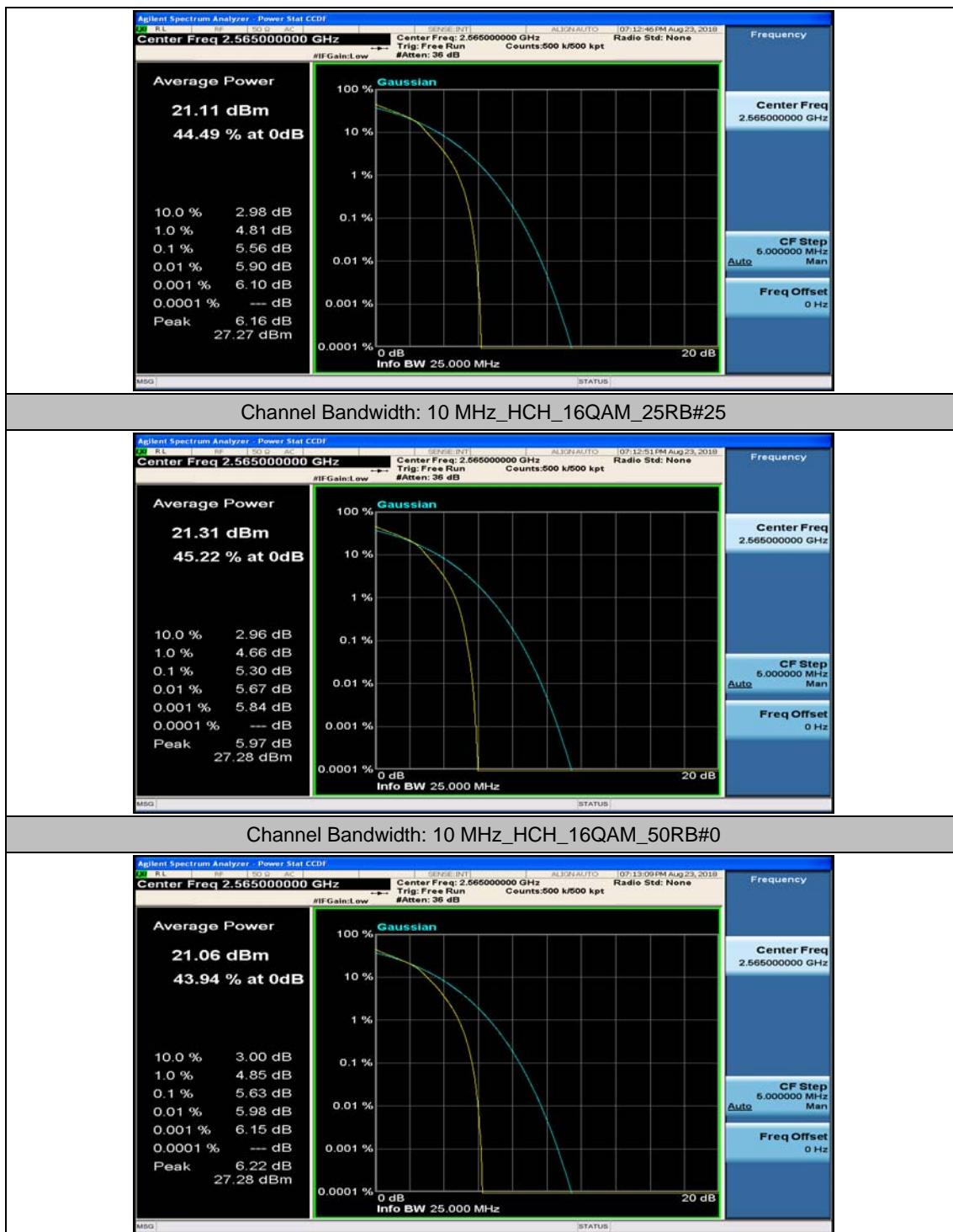


**Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49**

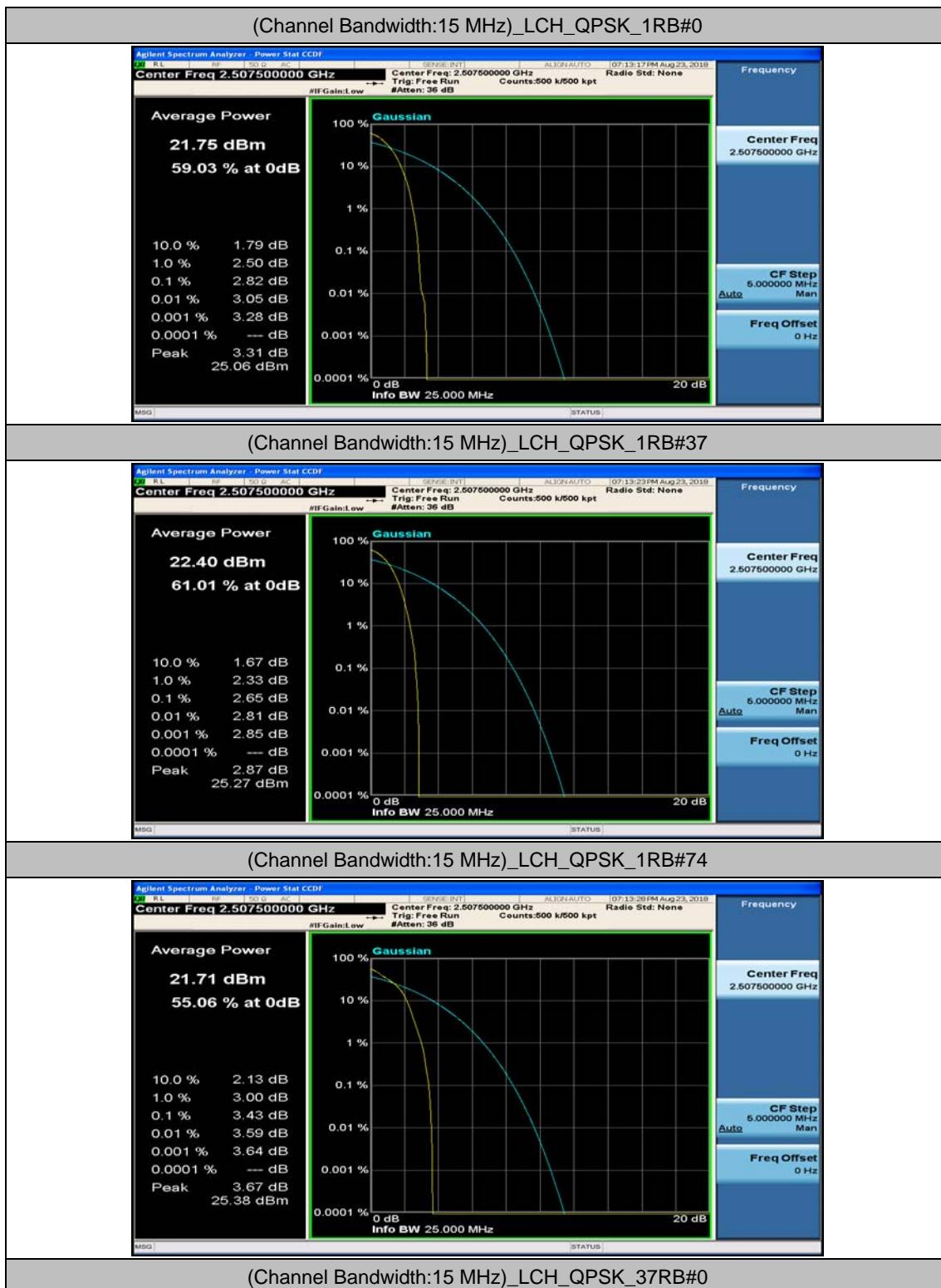


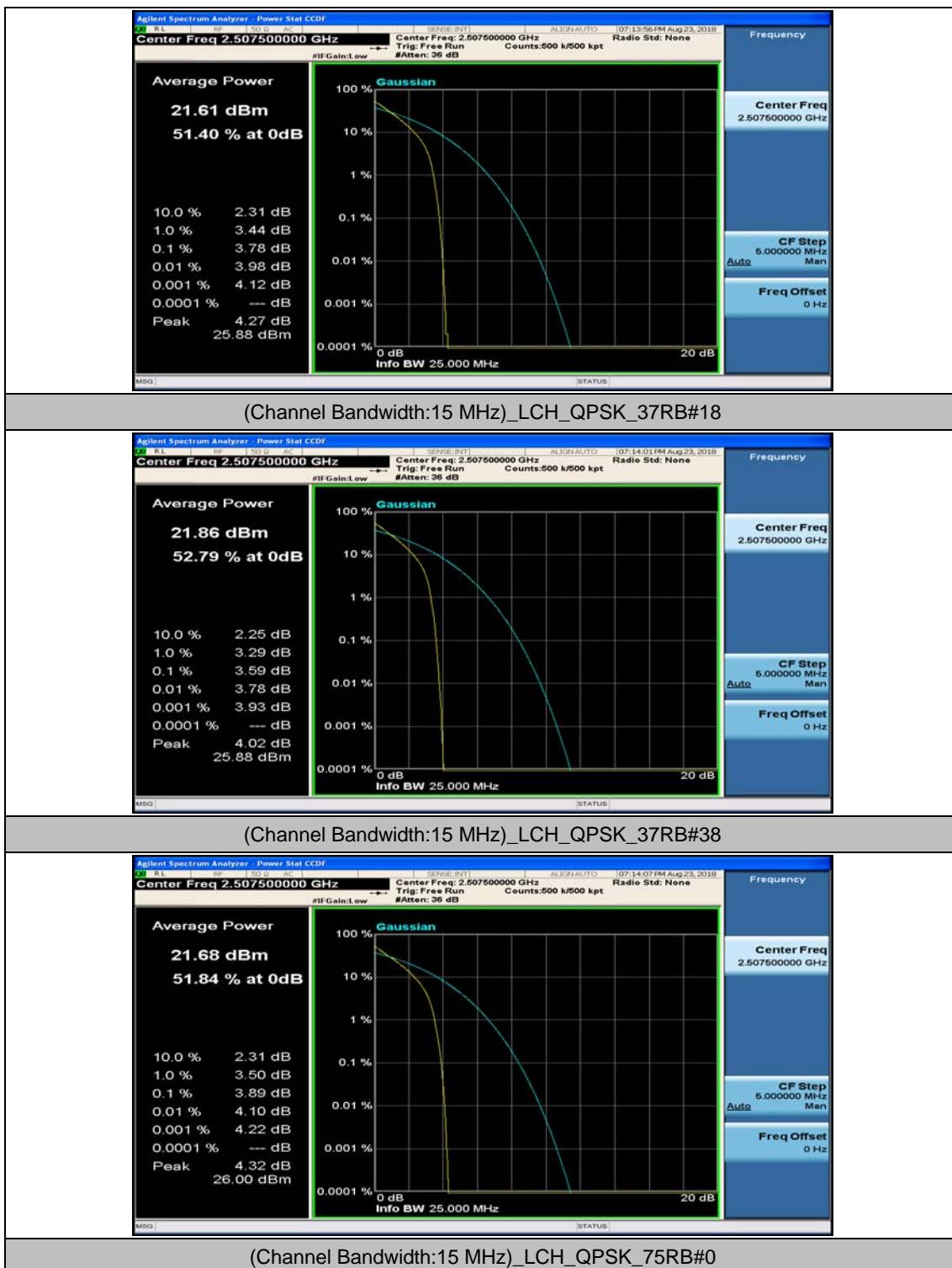


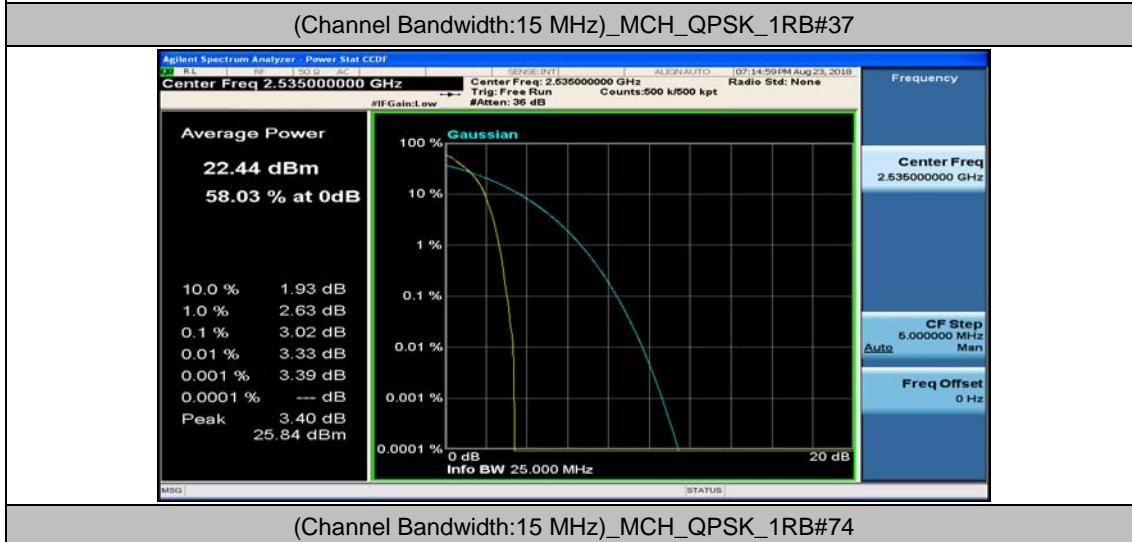
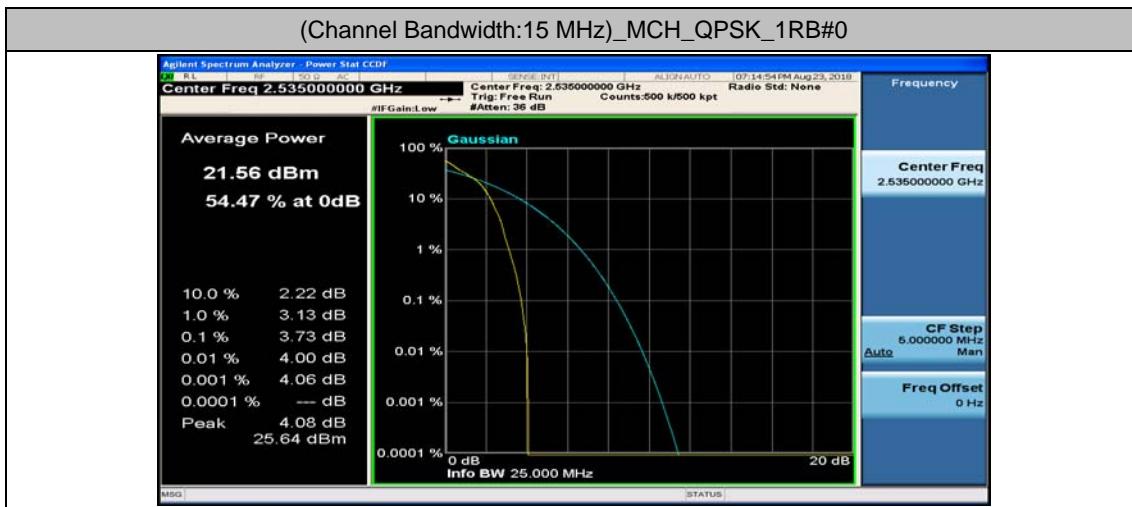
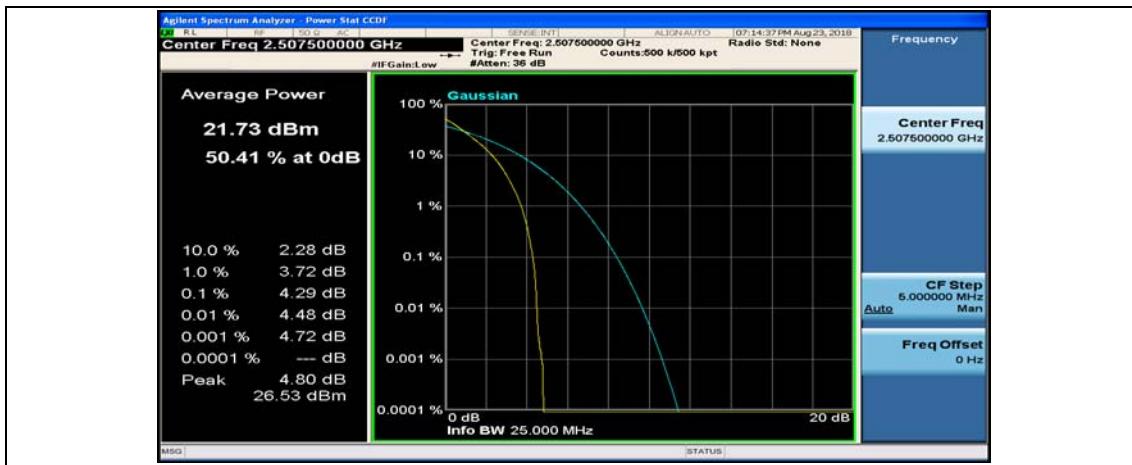




## Channel Bandwidth: 15 MHz







(Channel Bandwidth:15 MHz)\_MCH\_QPSK\_1RB#74

