

## 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	22.61	PASS
		1	12	22.66	PASS
		1	24	22.63	PASS
		12	0	21.73	PASS
		12	6	21.72	PASS
		12	13	21.03	PASS
		25	0	21.81	PASS
	MCH	1	0	21.68	PASS
		1	12	21.79	PASS
		1	24	21.78	PASS
		12	0	21.16	PASS
		12	6	21.28	PASS
		12	13	21.56	PASS
		25	0	21.38	PASS
16QAM	HCH	1	0	22.2	PASS
		1	12	22.43	PASS
		1	24	22.72	PASS
		12	0	21.74	PASS
		12	6	21.44	PASS
		12	13	21.24	PASS
		25	0	21.8	PASS
	LCH	1	0	21.26	PASS
		1	12	21.83	PASS
		1	24	21.67	PASS
		12	0	20.72	PASS
		12	6	20.36	PASS
		12	13	20.65	PASS
		25	0	20.78	PASS
	MCH	1	0	21.58	PASS
		1	12	21.53	PASS
		1	24	21.32	PASS

		12	0	20.98	PASS
		12	6	20.49	PASS
		12	13	20.73	PASS
		25	0	20.69	PASS
HCH	HCH	1	0	21.3	PASS
		1	12	21.49	PASS
		1	24	21.9	PASS
		12	0	20.65	PASS
		12	6	20.47	PASS
		12	13	20.78	PASS
		25	0	20.67	PASS

### Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.4	PASS
		1	24	22.58	PASS
		1	49	22.89	PASS
		25	0	21.72	PASS
		25	12	21.63	PASS
		25	25	21.32	PASS
		50	0	21.1	PASS
	MCH	1	0	22.46	PASS
		1	24	22.17	PASS
		1	49	22.55	PASS
		25	0	21.85	PASS
		25	12	21.22	PASS
		25	25	21.69	PASS
		50	0	21.35	PASS
	HCH	1	0	22.37	PASS
		1	24	22.65	PASS
		1	49	22.79	PASS
		25	0	21.85	PASS
		25	12	21.83	PASS
		25	25	21.31	PASS
		50	0	21.67	PASS
16QAM	LCH	1	0	21.46	PASS
		1	24	21.91	PASS
		1	49	21.27	PASS
		25	0	20.72	PASS
		25	12	20.87	PASS
		25	25	20.65	PASS

		50	0	20.65	PASS
MCH	MCH	1	0	21.94	PASS
		1	24	21.63	PASS
		1	49	21.24	PASS
		25	0	20.65	PASS
		25	12	20.78	PASS
		25	25	20.65	PASS
		50	0	20.79	PASS
HCH	HCH	1	0	21.68	PASS
		1	24	21.62	PASS
		1	49	21.21	PASS
		25	0	20.63	PASS
		25	12	20.75	PASS
		25	25	20.73	PASS
		50	0	20.79	PASS

### Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.33	PASS
		1	37	22.83	PASS
		1	74	22.11	PASS
		37	0	21.63	PASS
		37	18	21.6	PASS
		37	38	21.23	PASS
		75	0	21.25	PASS
	MCH	1	0	22.32	PASS
		1	37	22.12	PASS
		1	74	22.58	PASS
		37	0	21.67	PASS
		37	18	21.18	PASS
		37	38	21.35	PASS
		75	0	21.42	PASS
16QAM	HCH	1	0	22.54	PASS
		1	37	22.78	PASS
		1	74	22.18	PASS
		37	0	21.39	PASS
		37	18	21.79	PASS
		37	38	21.77	PASS
		75	0	21.13	PASS
		1	0	21.16	PASS
		1	37	21.65	PASS
	LCH				

		1	74	21.68	PASS
		37	0	20.35	PASS
		37	18	20.65	PASS
		37	38	20.47	PASS
		75	0	20.69	PASS
	MCH	1	0	21.9	PASS
		1	37	21.47	PASS
		1	74	21.83	PASS
		37	0	20.83	PASS
		37	18	20.55	PASS
		37	38	20.58	PASS
		75	0	20.53	PASS
	HCH	1	0	20.78	PASS
		1	37	21.13	PASS
		1	74	21.41	PASS
		37	0	20.56	PASS
		37	18	20.83	PASS
		37	38	20.53	PASS
		75	0	20.65	PASS

### Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	22.63	PASS
		1	49	21.86	PASS
		1	99	21.95	PASS
		50	0	21.15	PASS
		50	25	21.06	PASS
		50	50	21.44	PASS
		100	0	21.51	PASS
	MCH	1	0	22.15	PASS
		1	49	22.62	PASS
		1	99	22.14	PASS
		50	0	21.63	PASS
		50	25	21.26	PASS
		50	50	21.21	PASS
		100	0	21.54	PASS
	HCH	1	0	22.89	PASS
		1	49	22.23	PASS
		1	99	22.14	PASS
		50	0	21.85	PASS
		50	25	21.58	PASS

		50	50	21.55	PASS
		100	0	21.77	PASS
16QAM	LCH	1	0	21.68	PASS
		1	49	21.32	PASS
		1	99	21.39	PASS
		50	0	20.68	PASS
		50	25	20.78	PASS
		50	50	20.67	PASS
		100	0	20.39	PASS
	MCH	1	0	21.65	PASS
		1	49	21.31	PASS
		1	99	21.15	PASS
		50	0	20.98	PASS
		50	25	20.68	PASS
		50	50	20.47	PASS
		100	0	20.65	PASS
	HCH	1	0	21.06	PASS
		1	49	21.32	PASS
		1	99	21.47	PASS
		50	0	20.72	PASS
		50	25	20.65	PASS
		50	50	20.78	PASS
		100	0	20.68	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	3.33	<13	PASS
		1	12	3.57	<13	PASS
		1	24	3.09	<13	PASS
		12	0	4.95	<13	PASS
		12	6	4.86	<13	PASS
		12	13	4.64	<13	PASS
		25	0	4.89	<13	PASS
	MCH	1	0	3.85	<13	PASS
		1	12	4.14	<13	PASS
		1	24	3.61	<13	PASS
		12	0	5.72	<13	PASS
		12	6	5.63	<13	PASS
		12	13	5.43	<13	PASS
		25	0	5.65	<13	PASS
16QAM	LCH	1	0	3.71	<13	PASS
		1	12	3.51	<13	PASS
		1	24	2.54	<13	PASS
		12	0	5.25	<13	PASS
		12	6	5.05	<13	PASS
		12	13	4.36	<13	PASS
		25	0	4.9	<13	PASS
	MCH	1	0	4.36	<13	PASS
		1	12	4.71	<13	PASS
		1	24	4.17	<13	PASS
		12	0	5.83	<13	PASS
		12	6	5.7	<13	PASS
		12	13	5.53	<13	PASS
		25	0	5.79	<13	PASS

		12	6	6.33	<13	PASS
		12	13	6.25	<13	PASS
		25	0	6.42	<13	PASS
HCH		1	0	4.76	<13	PASS
		1	12	4.51	<13	PASS
		1	24	3.63	<13	PASS
		12	0	6.16	<13	PASS
		12	6	5.97	<13	PASS
		12	13	5.4	<13	PASS
		25	0	5.8	<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	3.58	<13	PASS
		1	24	3.38	<13	PASS
		1	49	3.29	<13	PASS
		25	0	4.84	<13	PASS
		25	12	4.6	<13	PASS
		25	25	4.32	<13	PASS
		50	0	4.62	<13	PASS
	MCH	1	0	4.38	<13	PASS
		1	24	3.94	<13	PASS
		1	49	3.67	<13	PASS
		25	0	5.82	<13	PASS
		25	12	5.68	<13	PASS
		25	25	5.39	<13	PASS
		50	0	5.66	<13	PASS
	HCH	1	0	4.63	<13	PASS
		1	24	4.06	<13	PASS
		1	49	2.94	<13	PASS
		25	0	5.8	<13	PASS
		25	12	5.57	<13	PASS
		25	25	5.02	<13	PASS
		50	0	5.55	<13	PASS
16QAM	LCH	1	0	4.68	<13	PASS
		1	24	4.35	<13	PASS
		1	49	4.32	<13	PASS
		25	0	5.68	<13	PASS
		25	12	5.45	<13	PASS

		25	25	5.13	<13	PASS
		50	0	5.4	<13	PASS
MCH	1	0	5.41	<13	PASS	
	1	24	5.11	<13	PASS	
	1	49	4.81	<13	PASS	
	25	0	6.67	<13	PASS	
	25	12	6.55	<13	PASS	
	25	25	6.21	<13	PASS	
	50	0	6.46	<13	PASS	
	1	0	5.47	<13	PASS	
HCH	1	24	5.05	<13	PASS	
	1	49	3.97	<13	PASS	
	25	0	6.68	<13	PASS	
	25	12	6.43	<13	PASS	
	25	25	6.03	<13	PASS	
	50	0	6.42	<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	3.48	<13	PASS
		1	37	3.24	<13	PASS
		1	74	3.9	<13	PASS
		37	0	4.67	<13	PASS
		37	18	4.38	<13	PASS
		37	38	4.36	<13	PASS
		75	0	4.93	<13	PASS
	MCH	1	0	4.5	<13	PASS
		1	37	3.89	<13	PASS
		1	74	3.26	<13	PASS
		37	0	5.86	<13	PASS
		37	18	5.65	<13	PASS
		37	38	5.24	<13	PASS
		75	0	5.94	<13	PASS
	HCH	1	0	4.65	<13	PASS
		1	37	4.45	<13	PASS
		1	74	2.7	<13	PASS
		37	0	5.97	<13	PASS
		37	18	5.85	<13	PASS
		37	38	5.4	<13	PASS

		75	0	6.12	<13	PASS
16QAM	LCH	1	0	4.52	<13	PASS
		1	37	4.25	<13	PASS
		1	74	4.62	<13	PASS
		37	0	5.57	<13	PASS
		37	18	5.14	<13	PASS
		37	38	5.14	<13	PASS
		75	0	5.6	<13	PASS
	MCH	1	0	5.37	<13	PASS
		1	37	5.06	<13	PASS
		1	74	4.41	<13	PASS
		37	0	6.69	<13	PASS
		37	18	6.53	<13	PASS
		37	38	6.15	<13	PASS
		75	0	6.5	<13	PASS
	HCH	1	0	5.47	<13	PASS
		1	37	5.24	<13	PASS
		1	74	3.88	<13	PASS
		37	0	6.8	<13	PASS
		37	18	6.62	<13	PASS
		37	38	6.23	<13	PASS
		75	0	6.7	<13	PASS

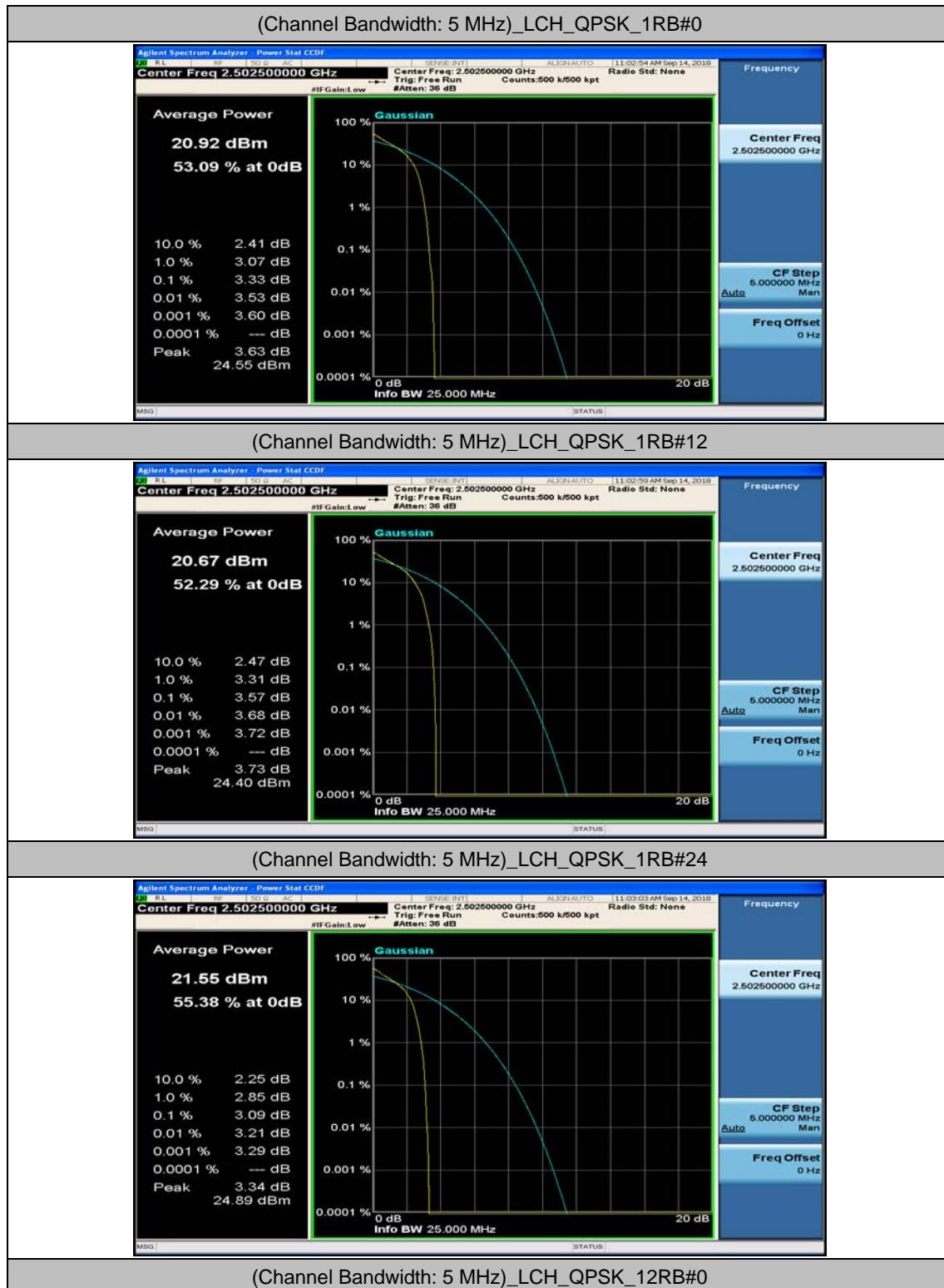
### Channel Bandwidth: 20 MHz

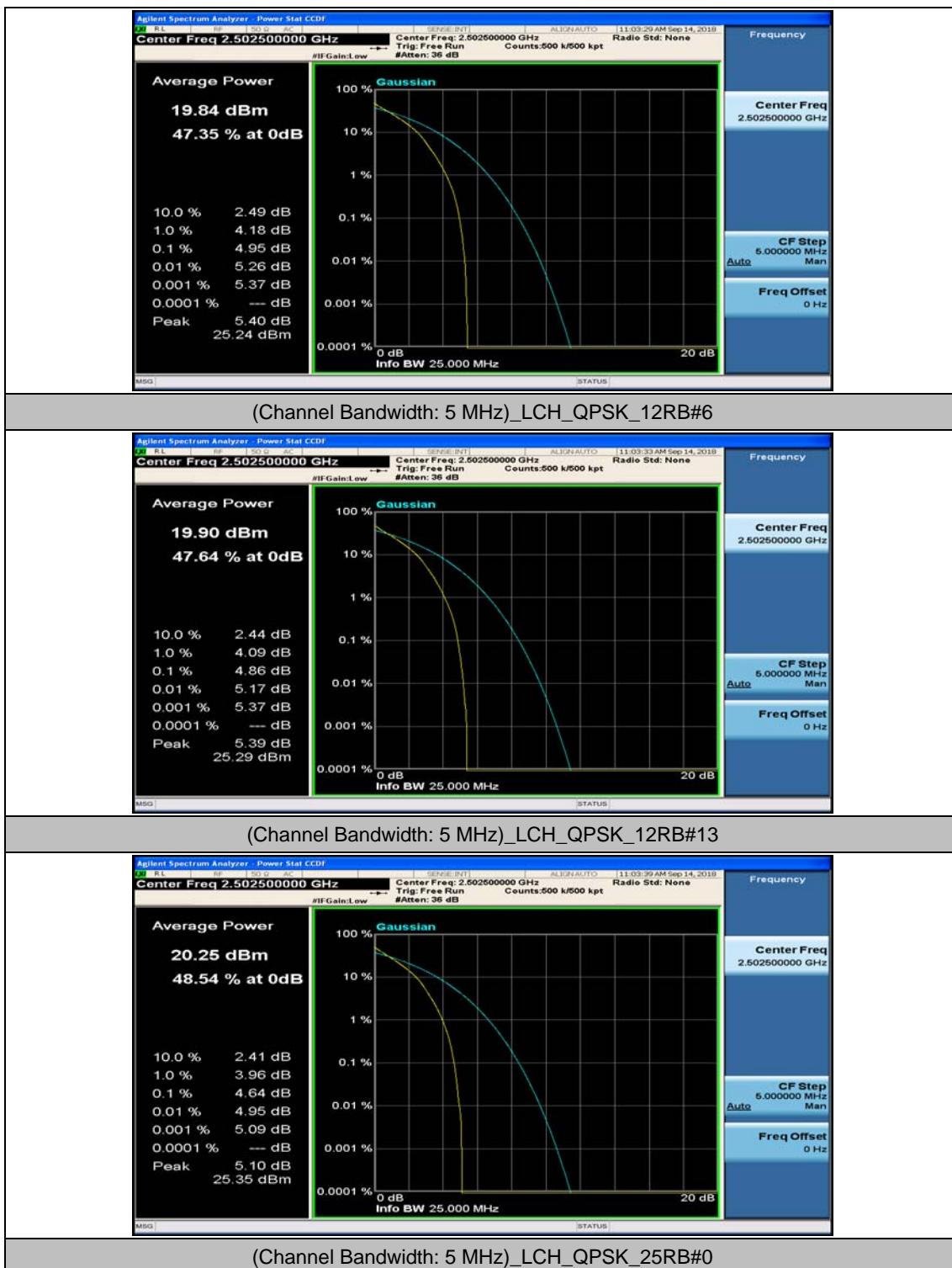
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.57	<13	PASS
		1	49	3.24	<13	PASS
		1	99	4.55	<13	PASS
		50	0	4.61	<13	PASS
		50	25	4.51	<13	PASS
		50	50	5.05	<13	PASS
		100	0	5.04	<13	PASS
	MCH	1	0	4.71	<13	PASS
		1	49	4.25	<13	PASS
		1	99	3.27	<13	PASS
		50	0	5.97	<13	PASS
		50	25	5.7	<13	PASS
		50	50	5.16	<13	PASS
		100	0	5.82	<13	PASS

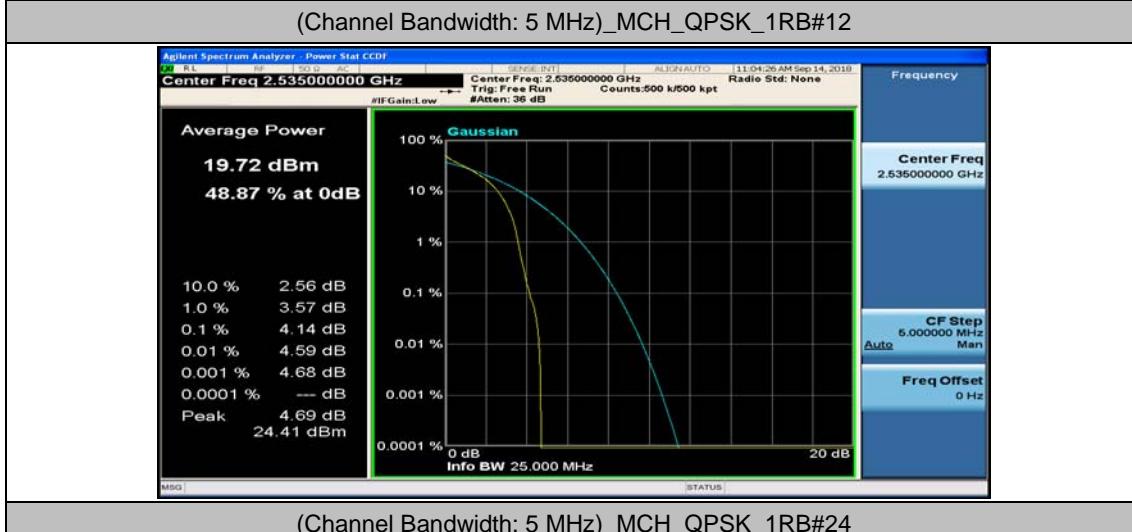
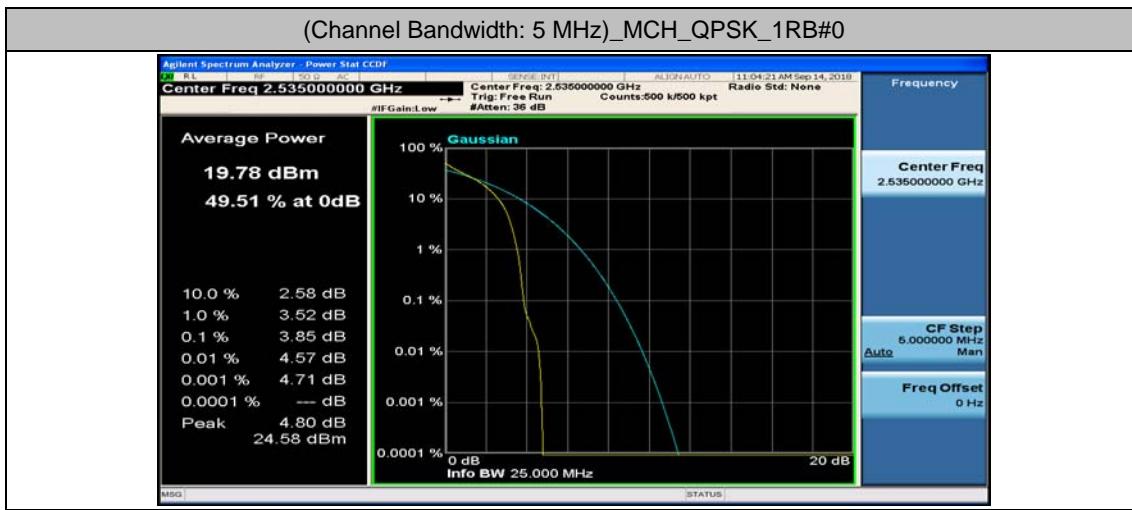
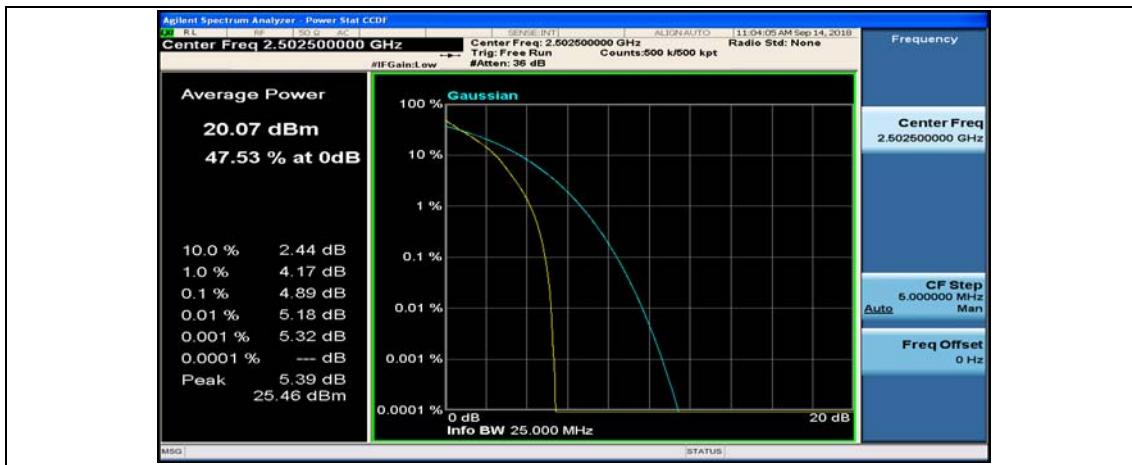
		1	0	3.85	<13	PASS
		1	49	4.66	<13	PASS
		1	99	2.87	<13	PASS
	HCH	50	0	5.82	<13	PASS
		50	25	6.03	<13	PASS
		50	50	5.65	<13	PASS
		100	0	5.92	<13	PASS
16QAM	LCH	1	0	4.34	<13	PASS
		1	49	3.88	<13	PASS
		1	99	5.53	<13	PASS
		50	0	5.34	<13	PASS
		50	25	5.23	<13	PASS
		50	50	5.69	<13	PASS
		100	0	5.74	<13	PASS
	MCH	1	0	5.52	<13	PASS
		1	49	5.05	<13	PASS
		1	99	4.09	<13	PASS
		50	0	6.69	<13	PASS
		50	25	6.4	<13	PASS
		50	50	5.96	<13	PASS
		100	0	6.47	<13	PASS
	HCH	1	0	4.85	<13	PASS
		1	49	5.59	<13	PASS
		1	99	3.9	<13	PASS
		50	0	6.52	<13	PASS
		50	25	6.77	<13	PASS
		50	50	6.51	<13	PASS
		100	0	6.64	<13	PASS

## Test Graphs

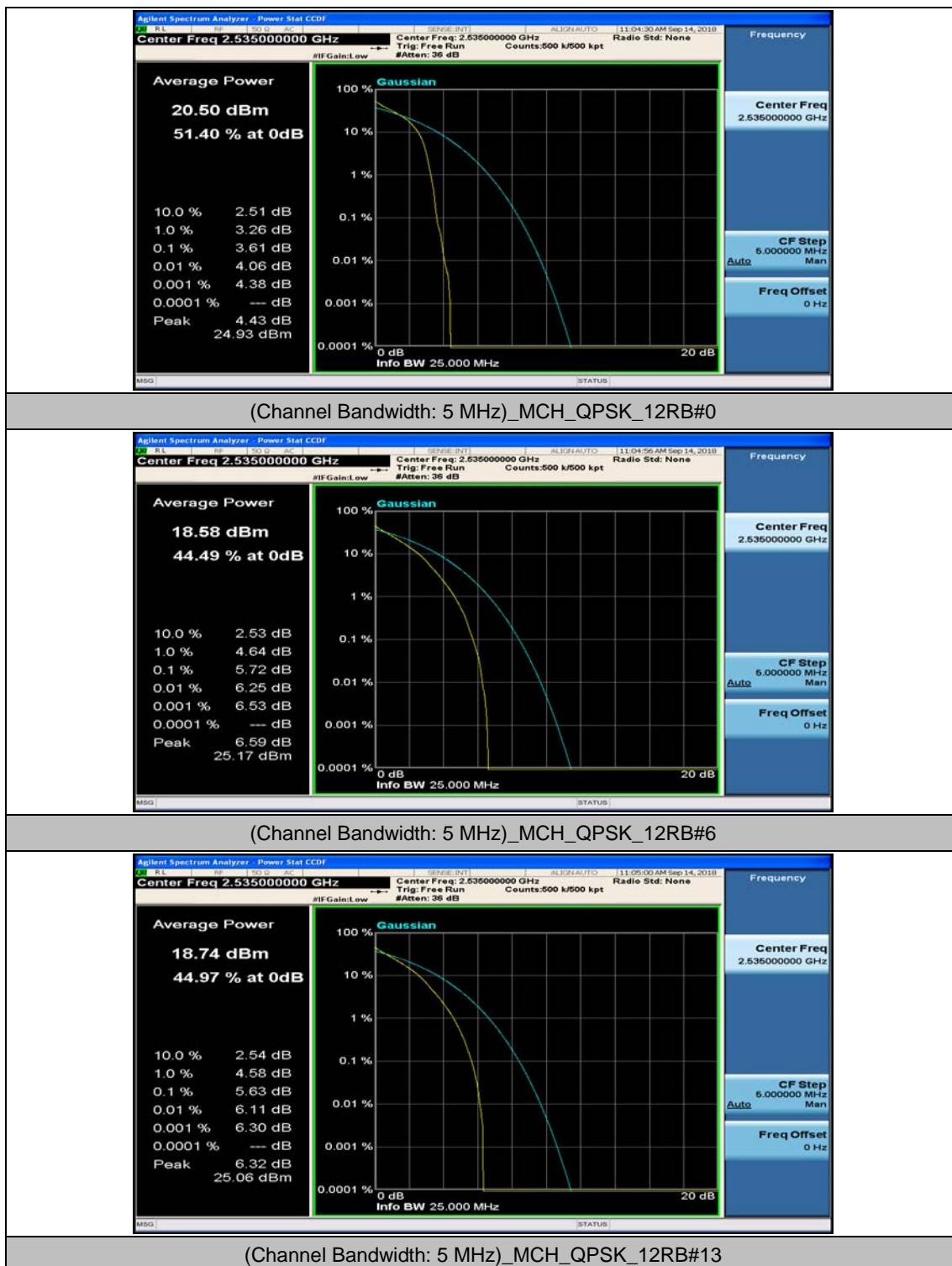
### Channel Bandwidth: 5 MHz

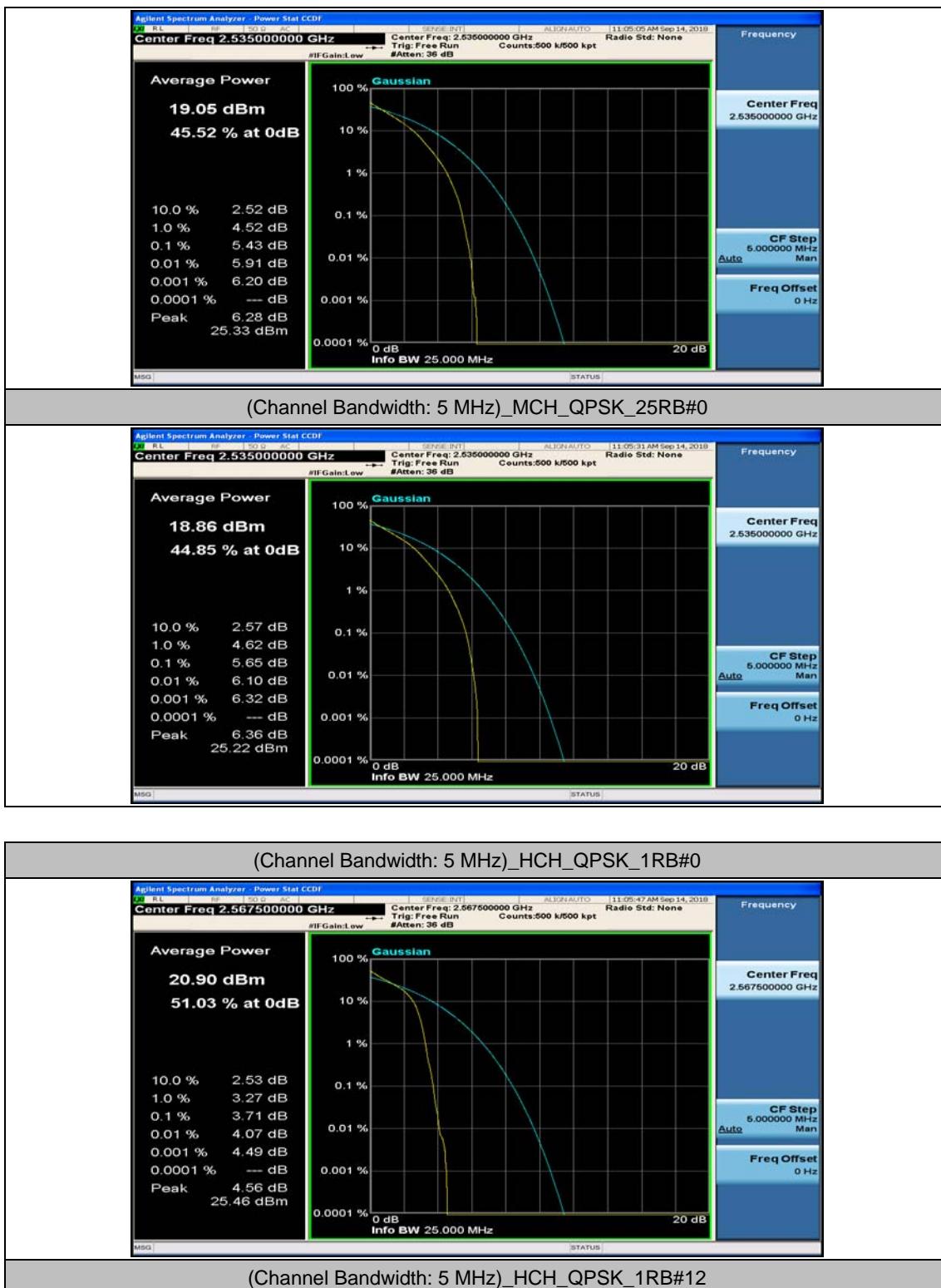


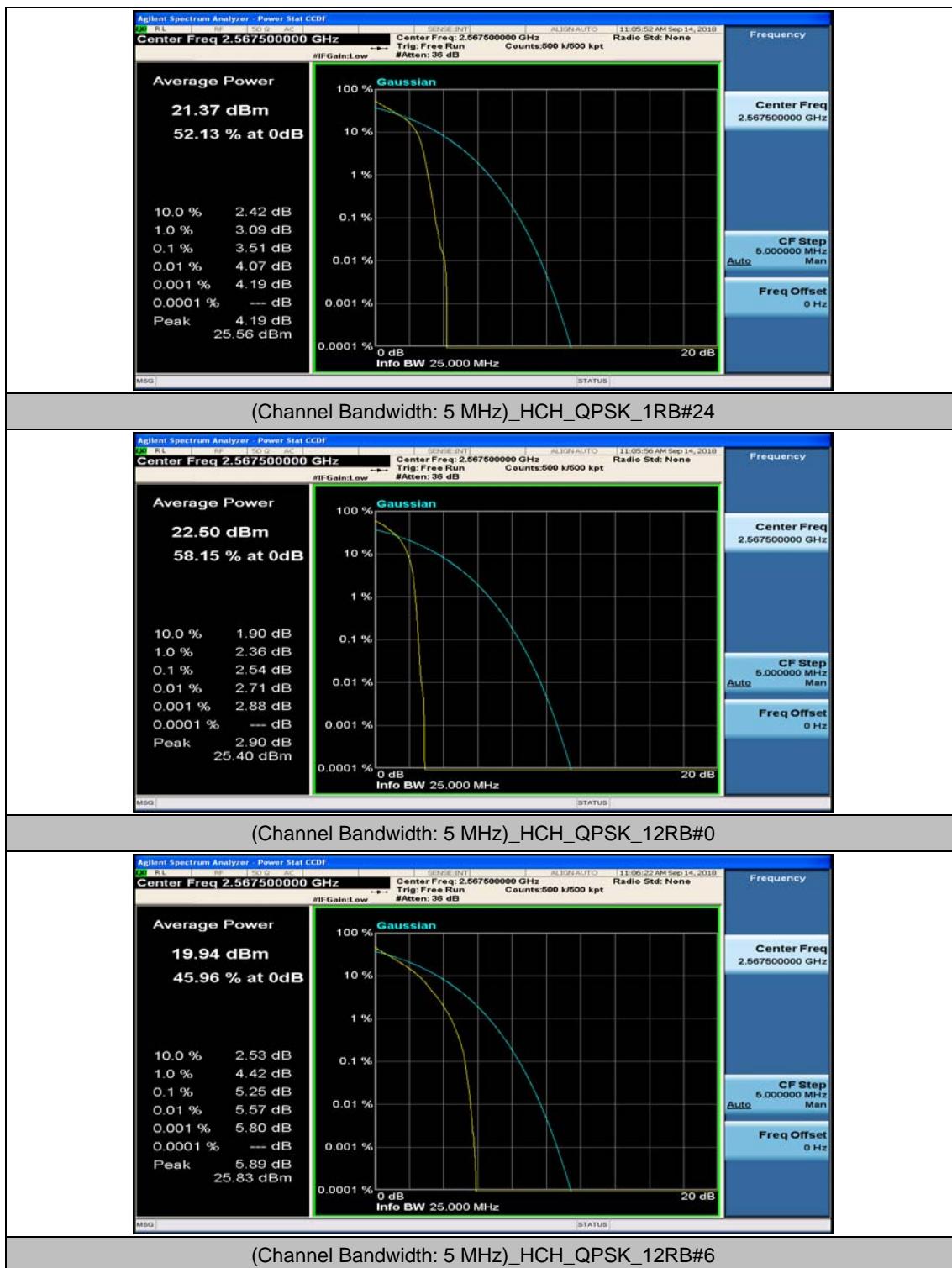


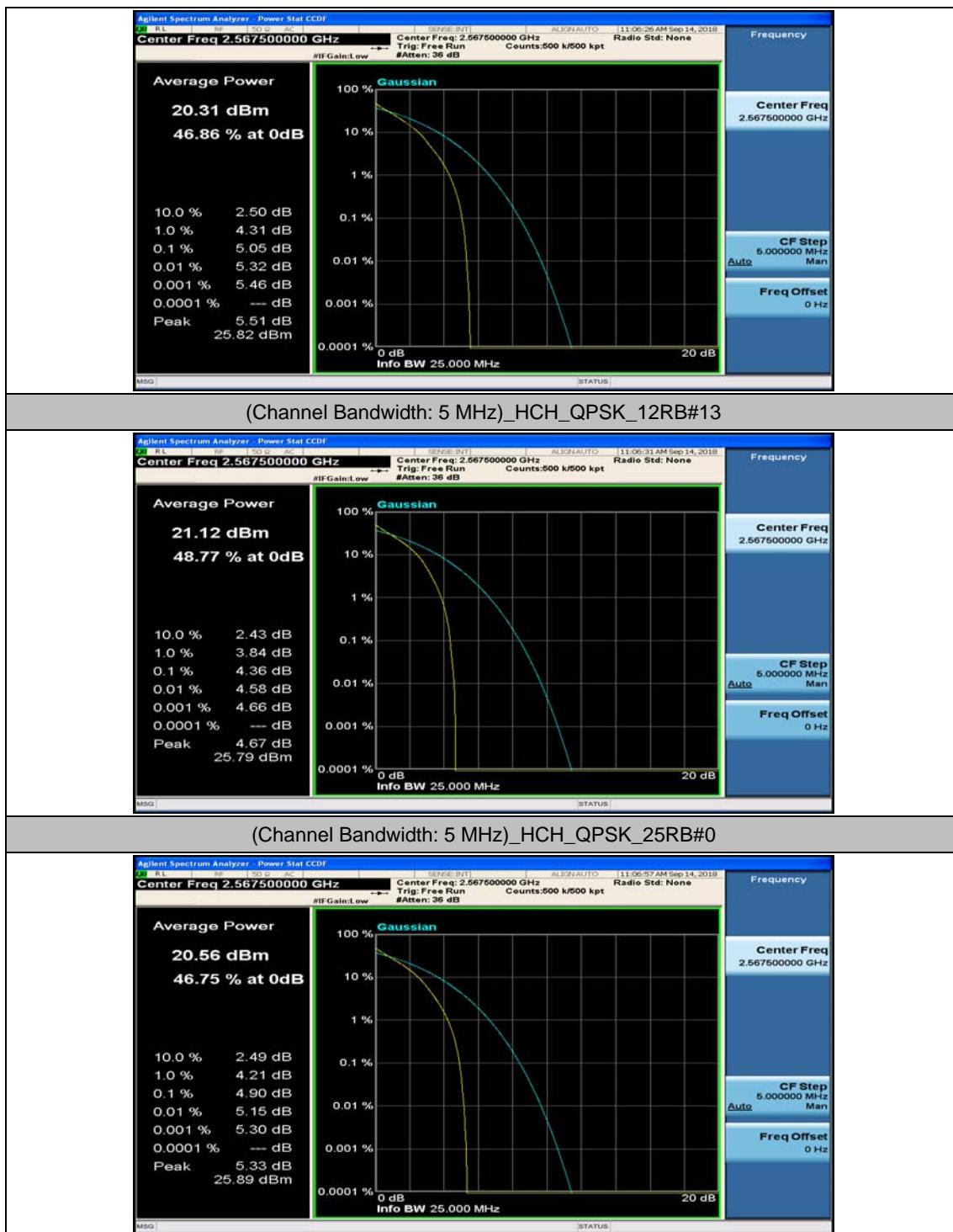


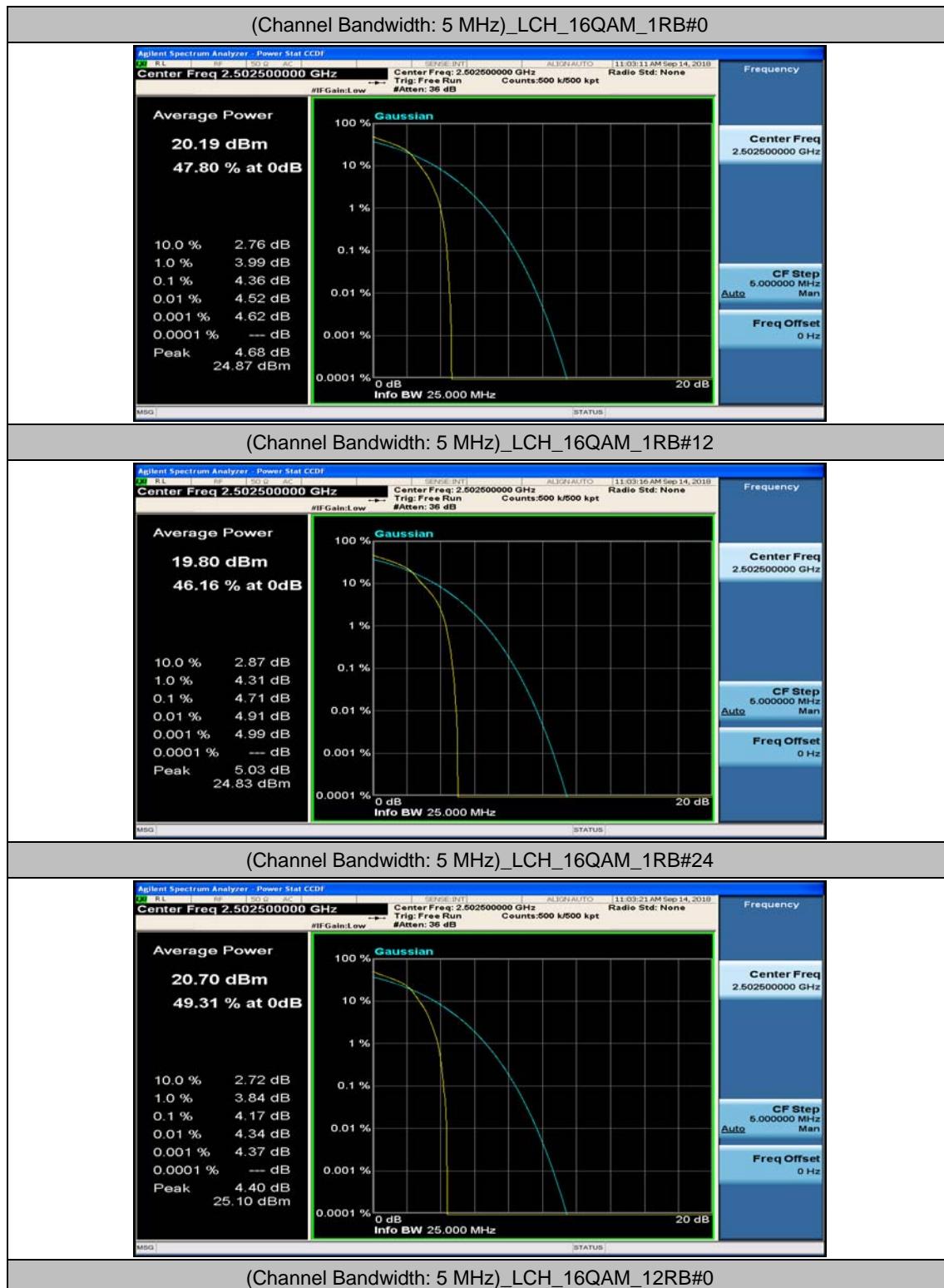
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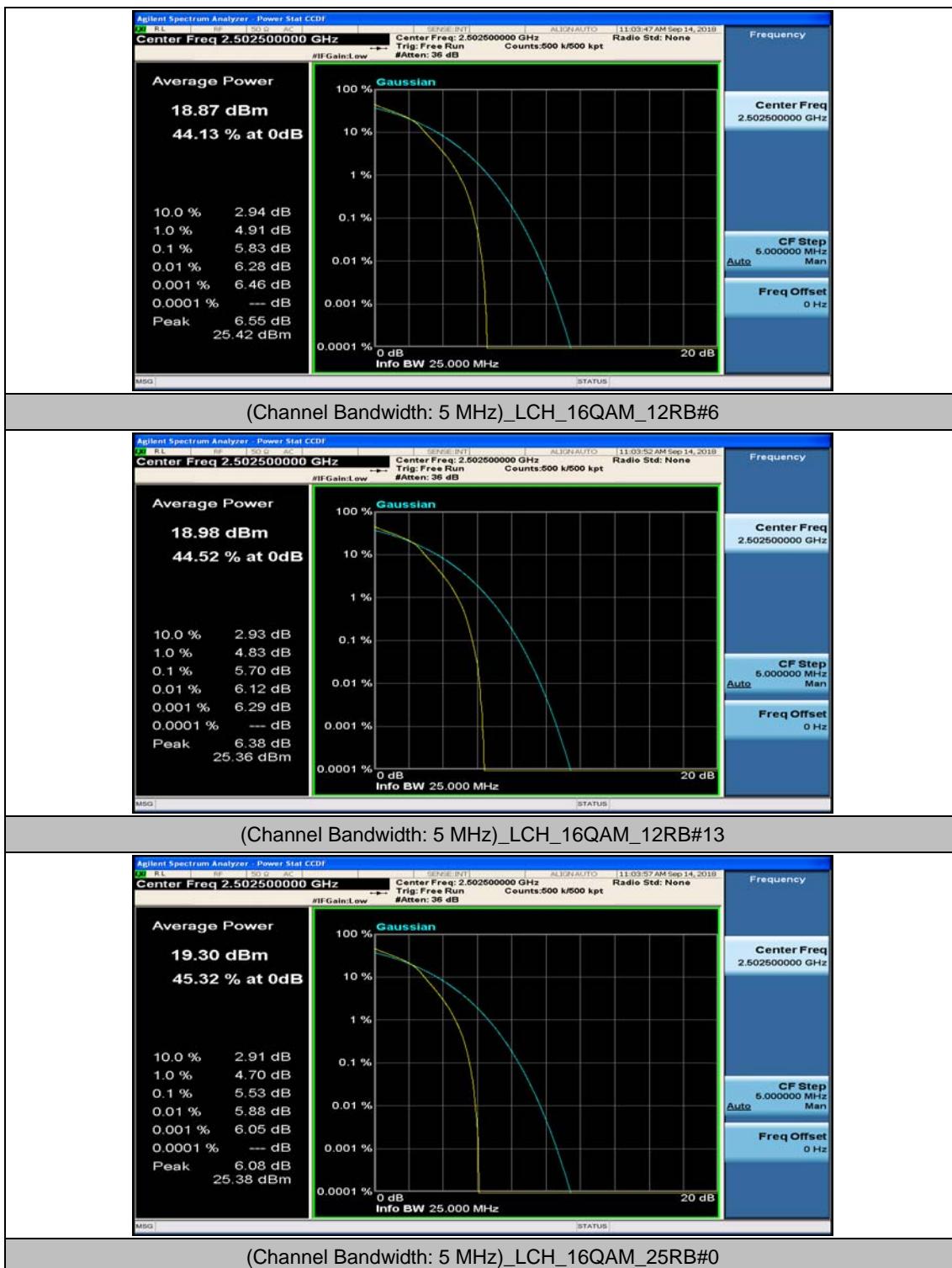


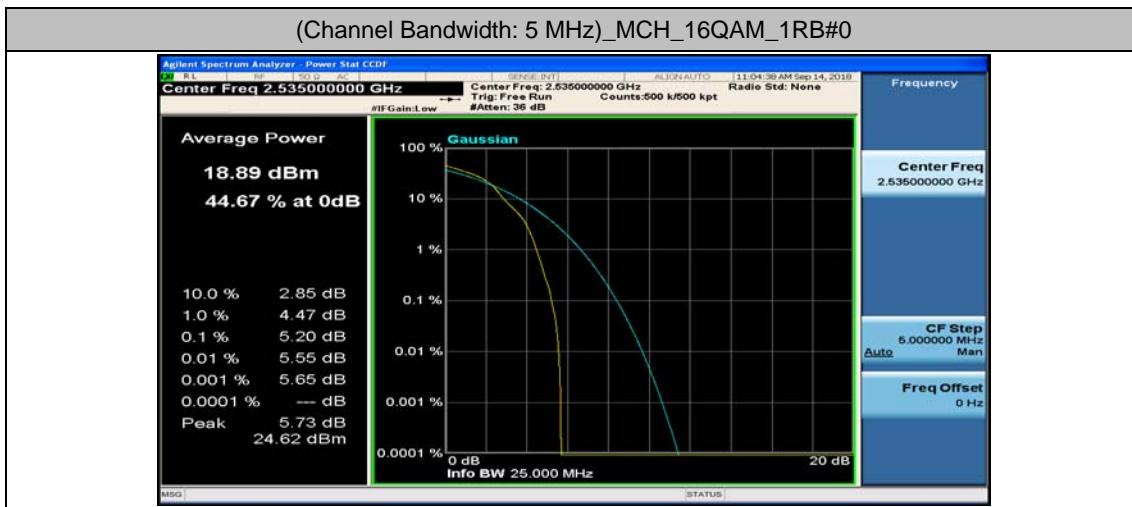
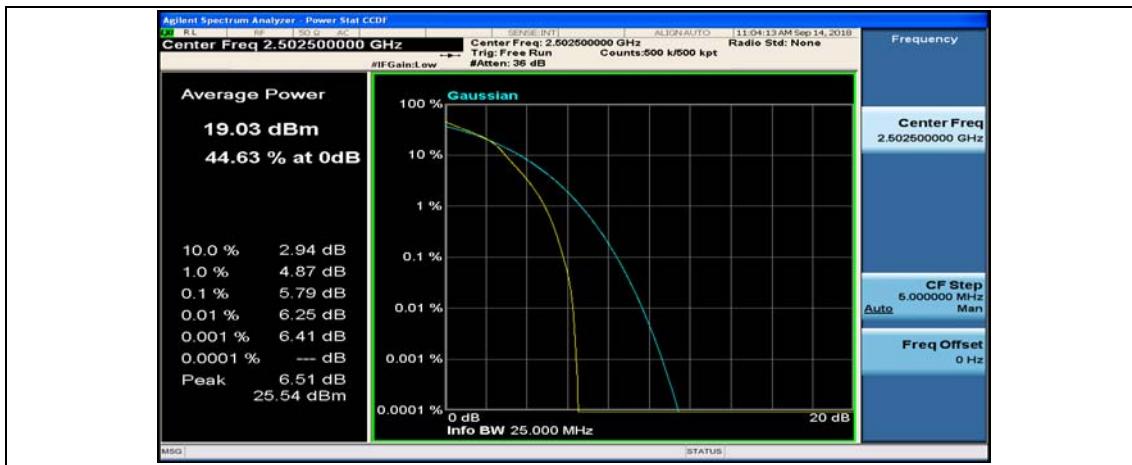




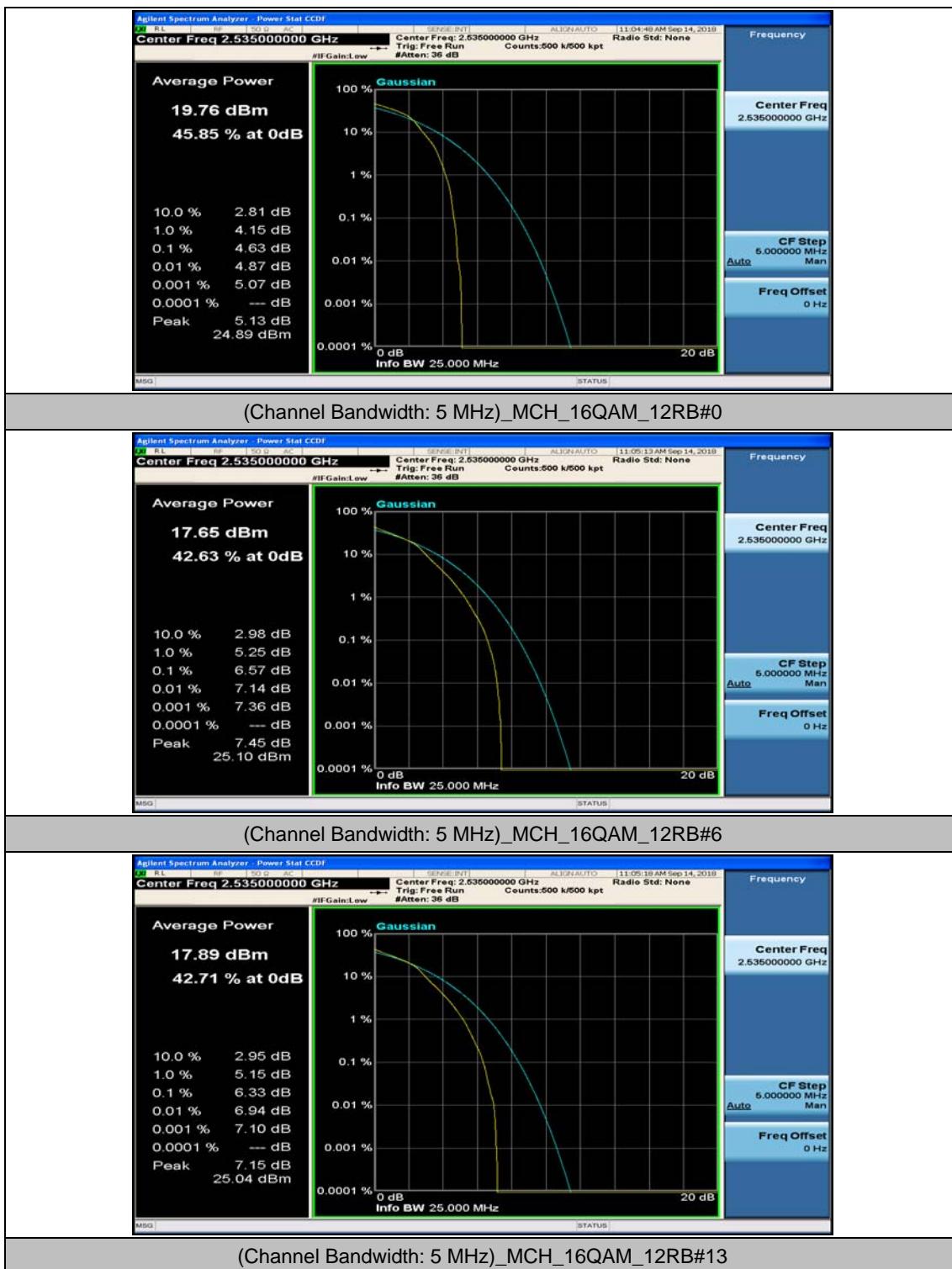


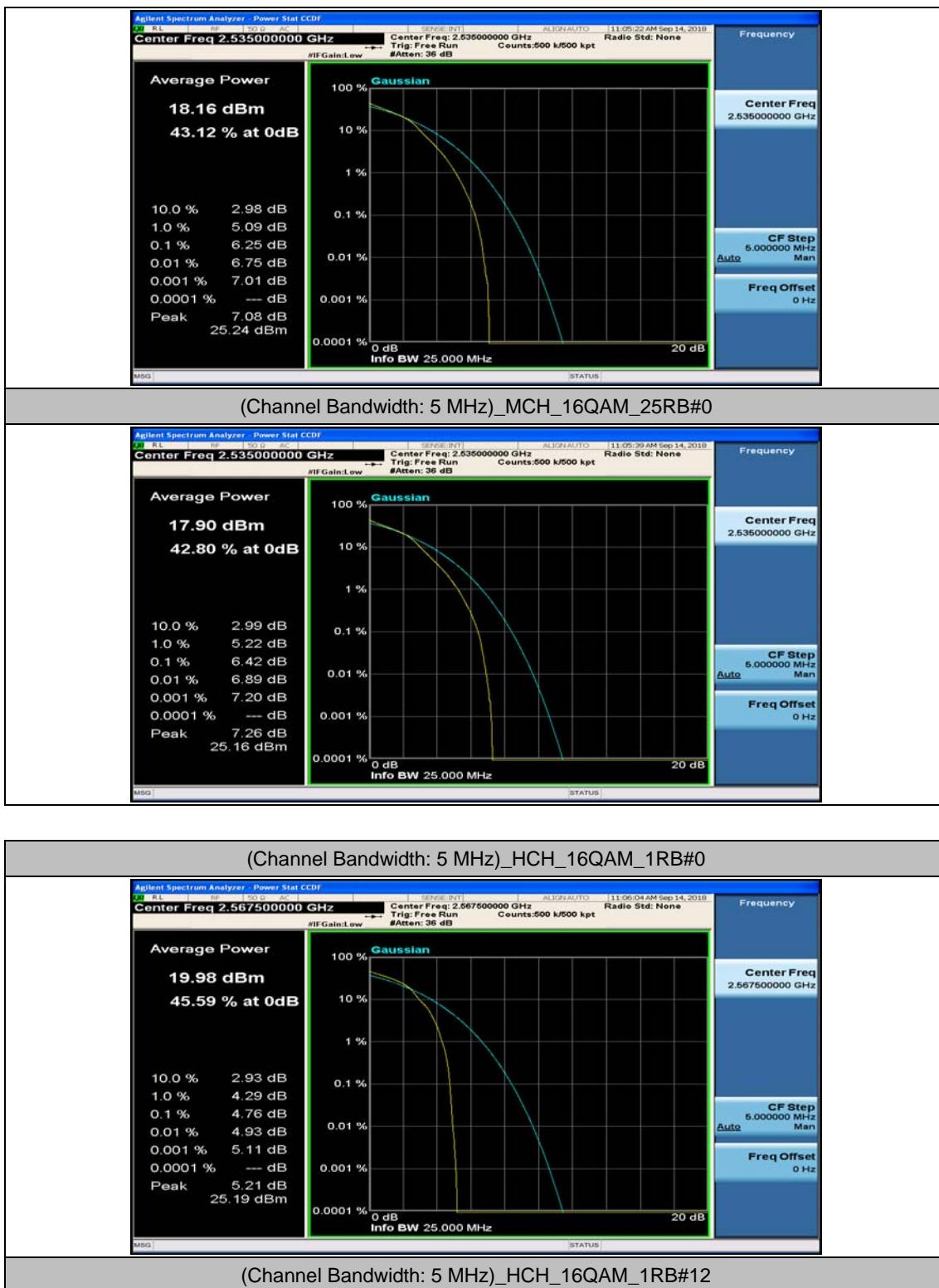


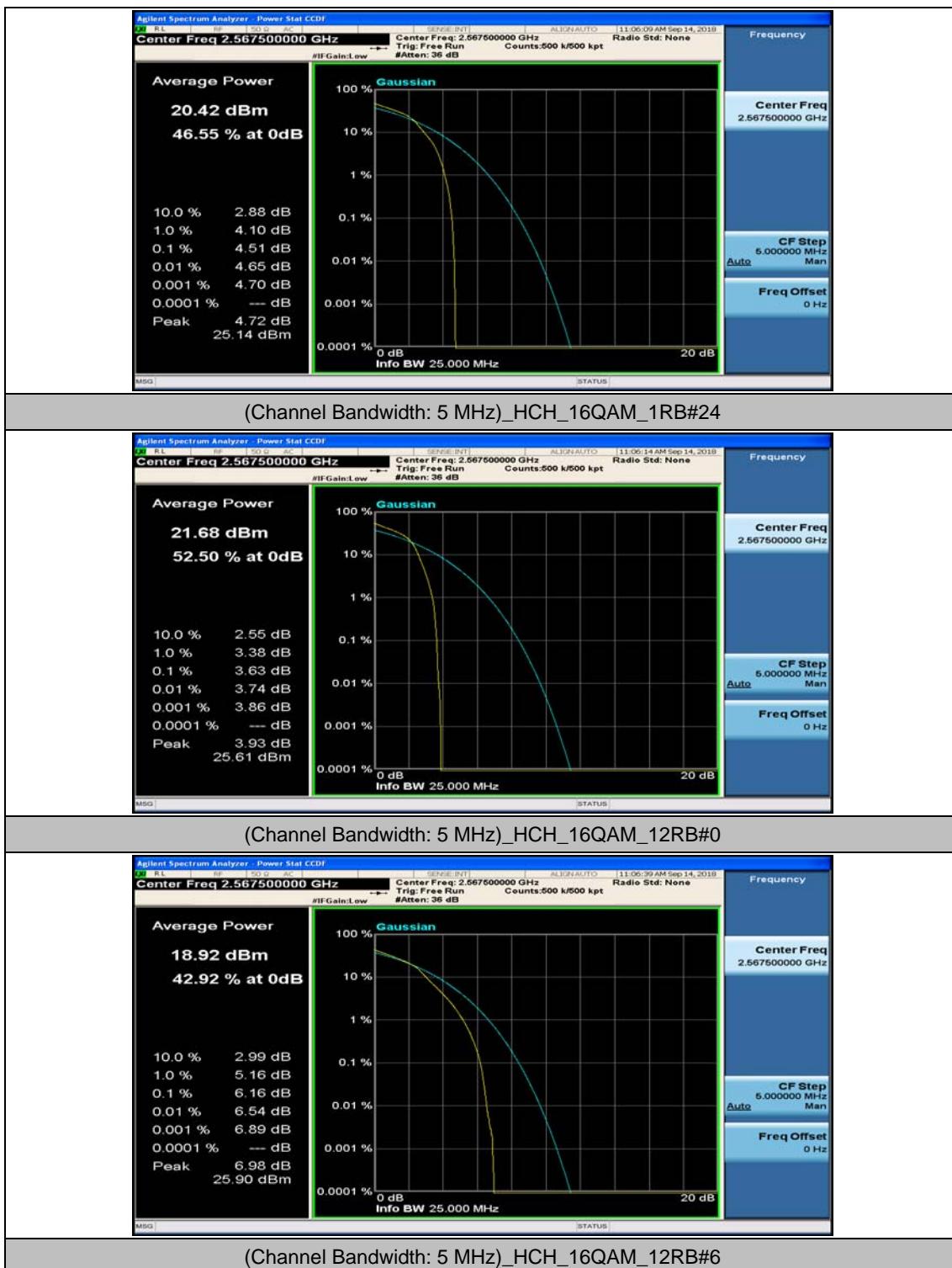


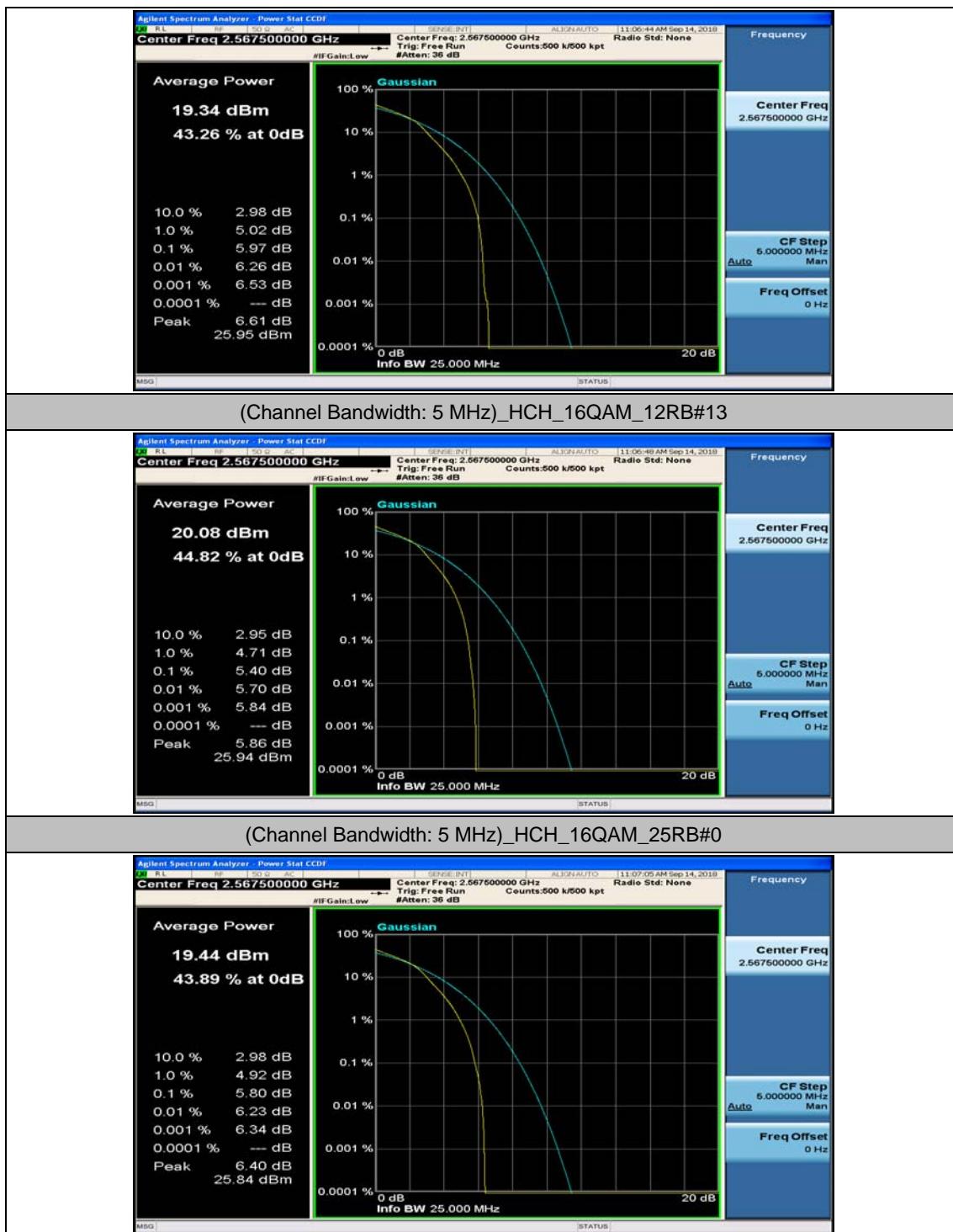


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#24

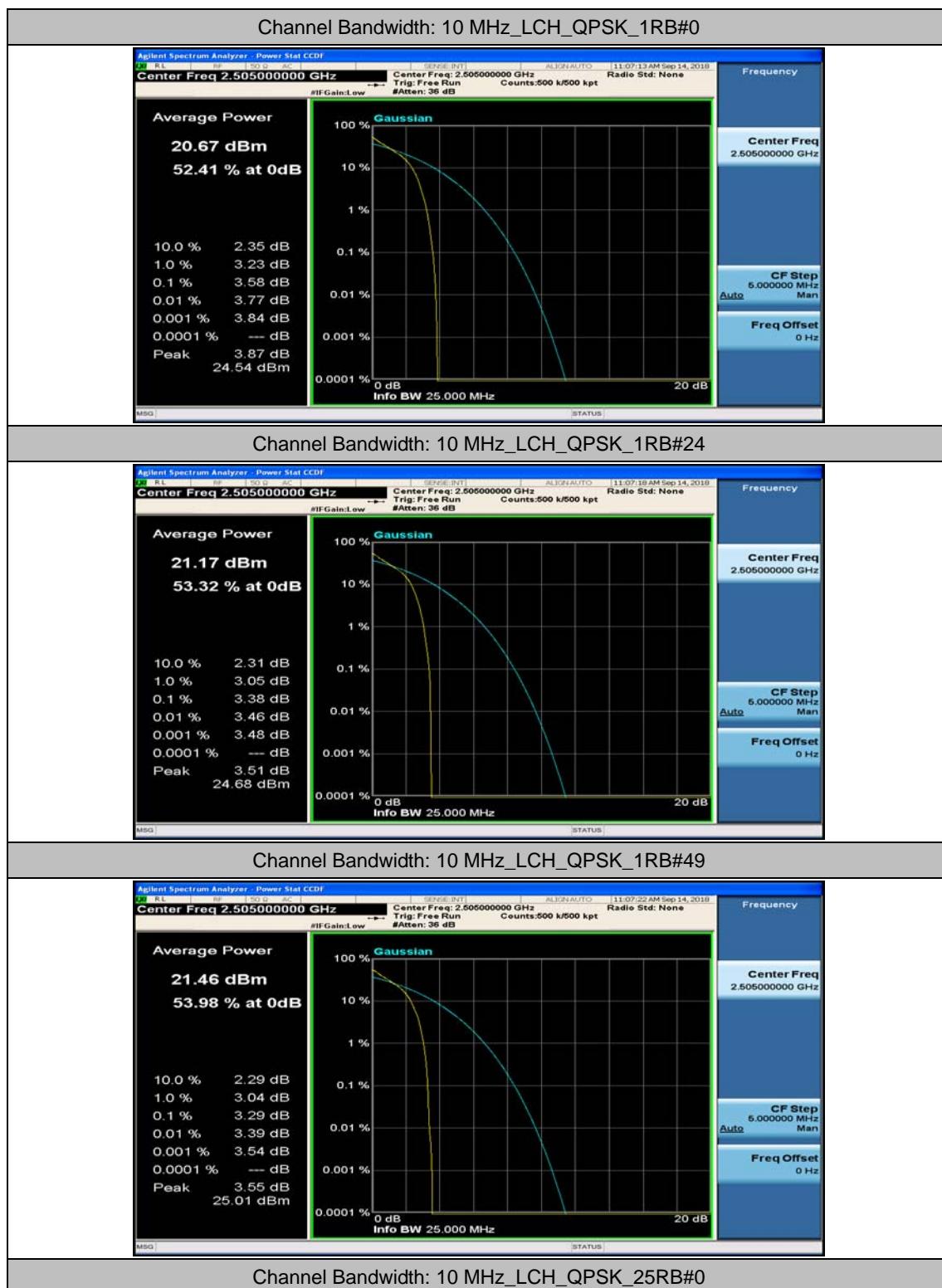


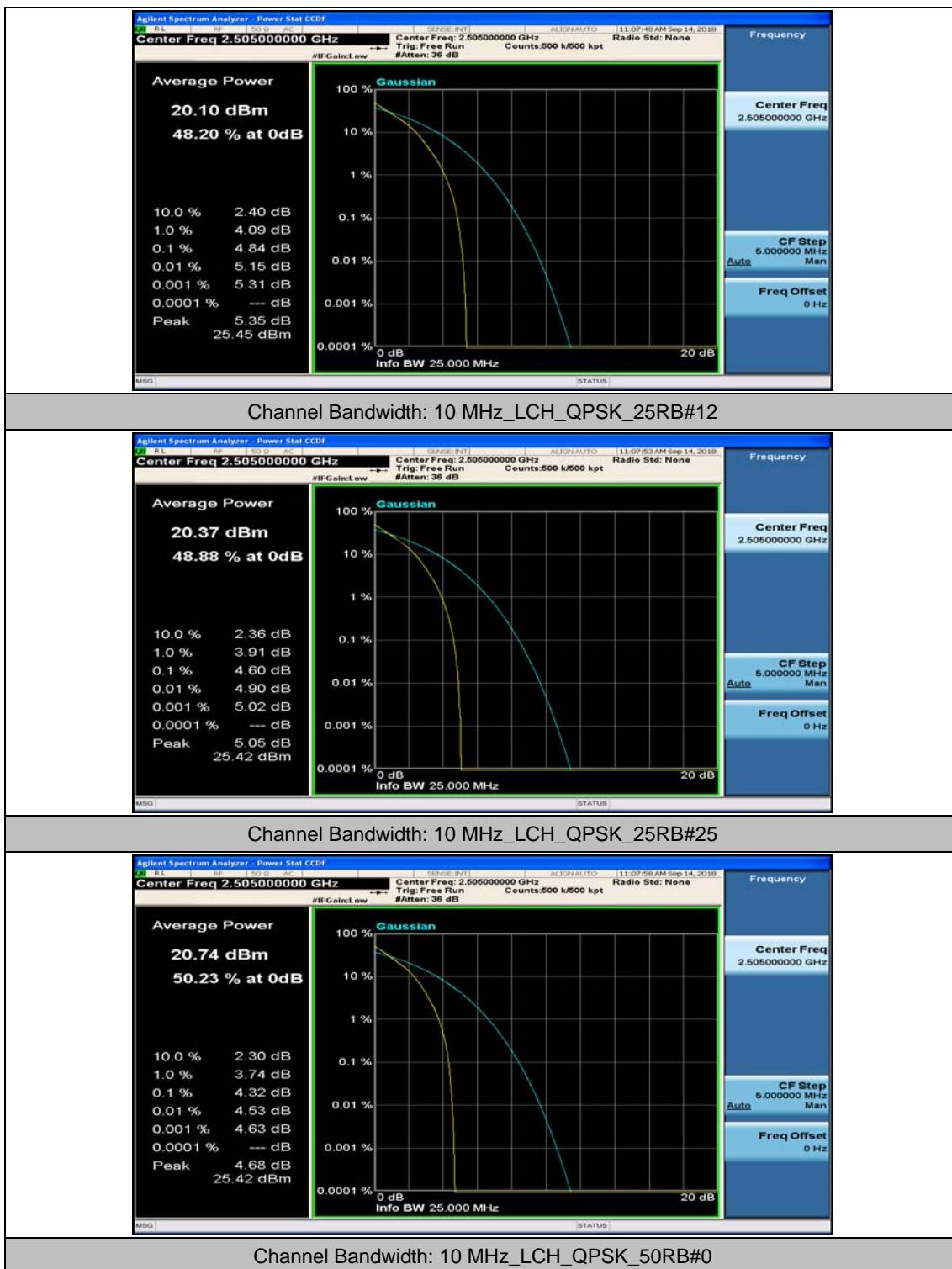


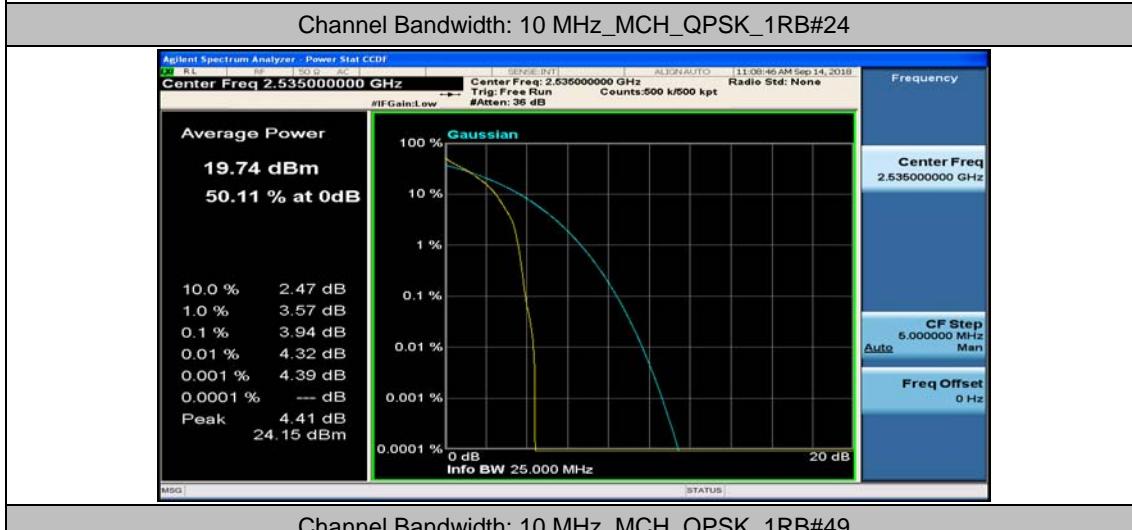
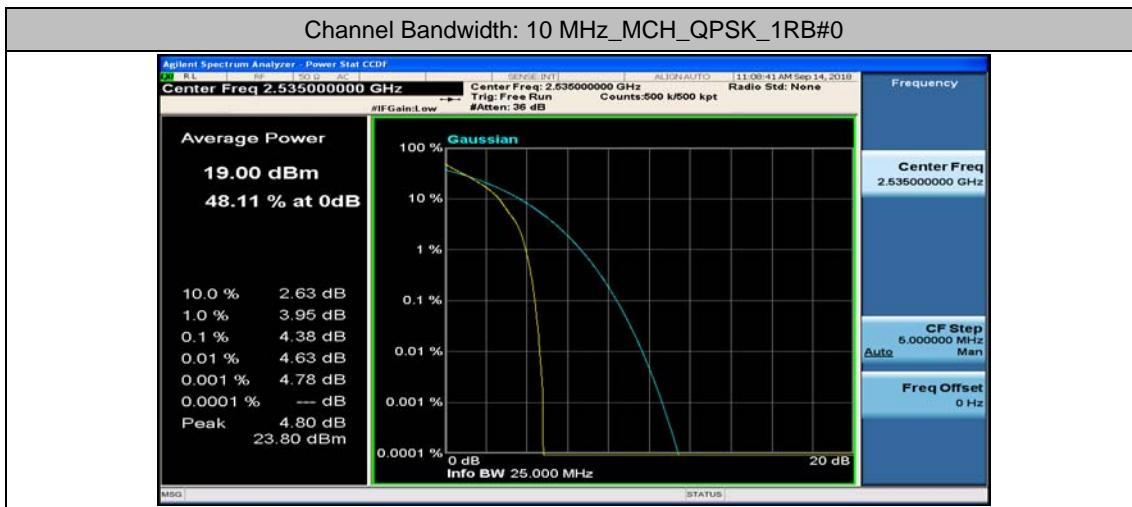
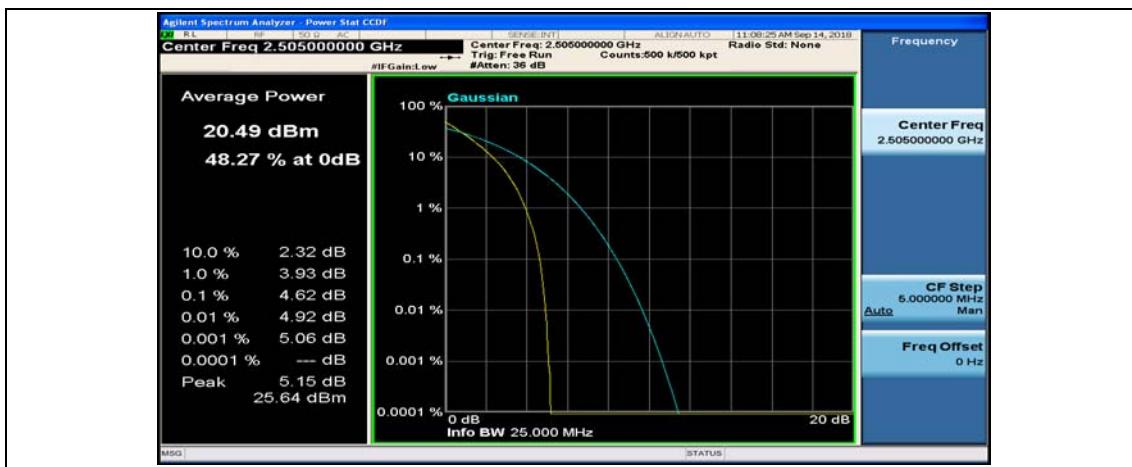


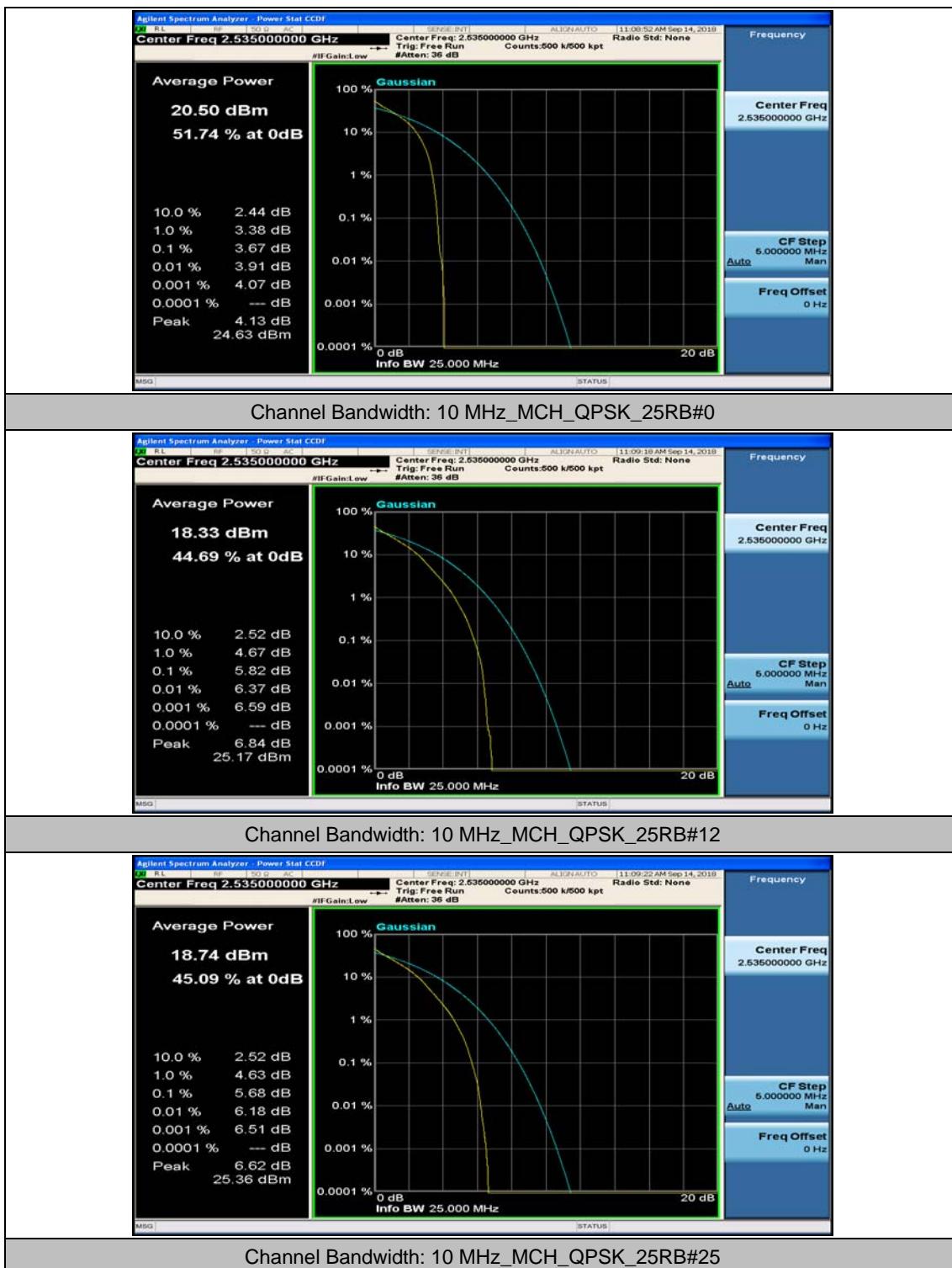


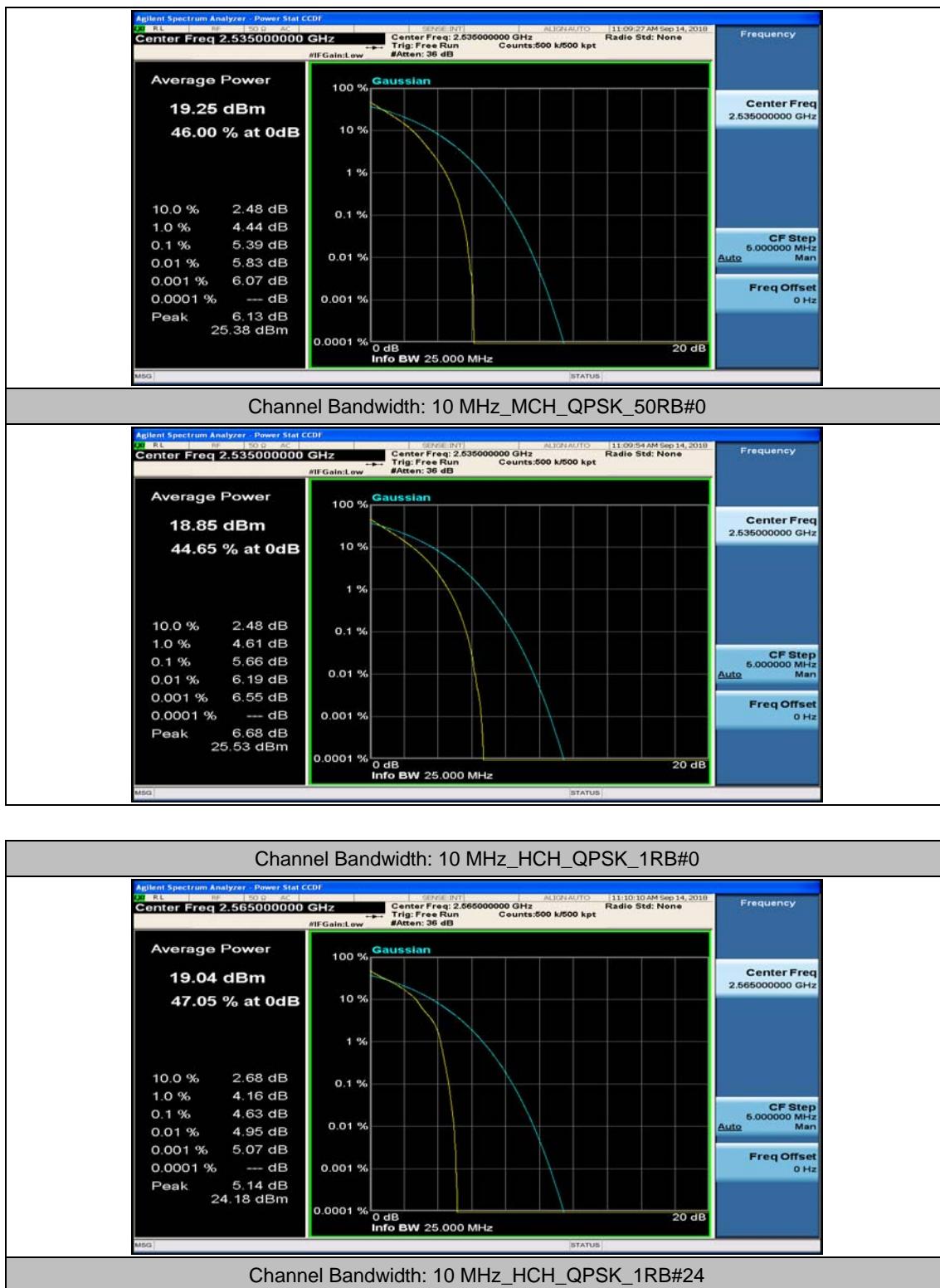
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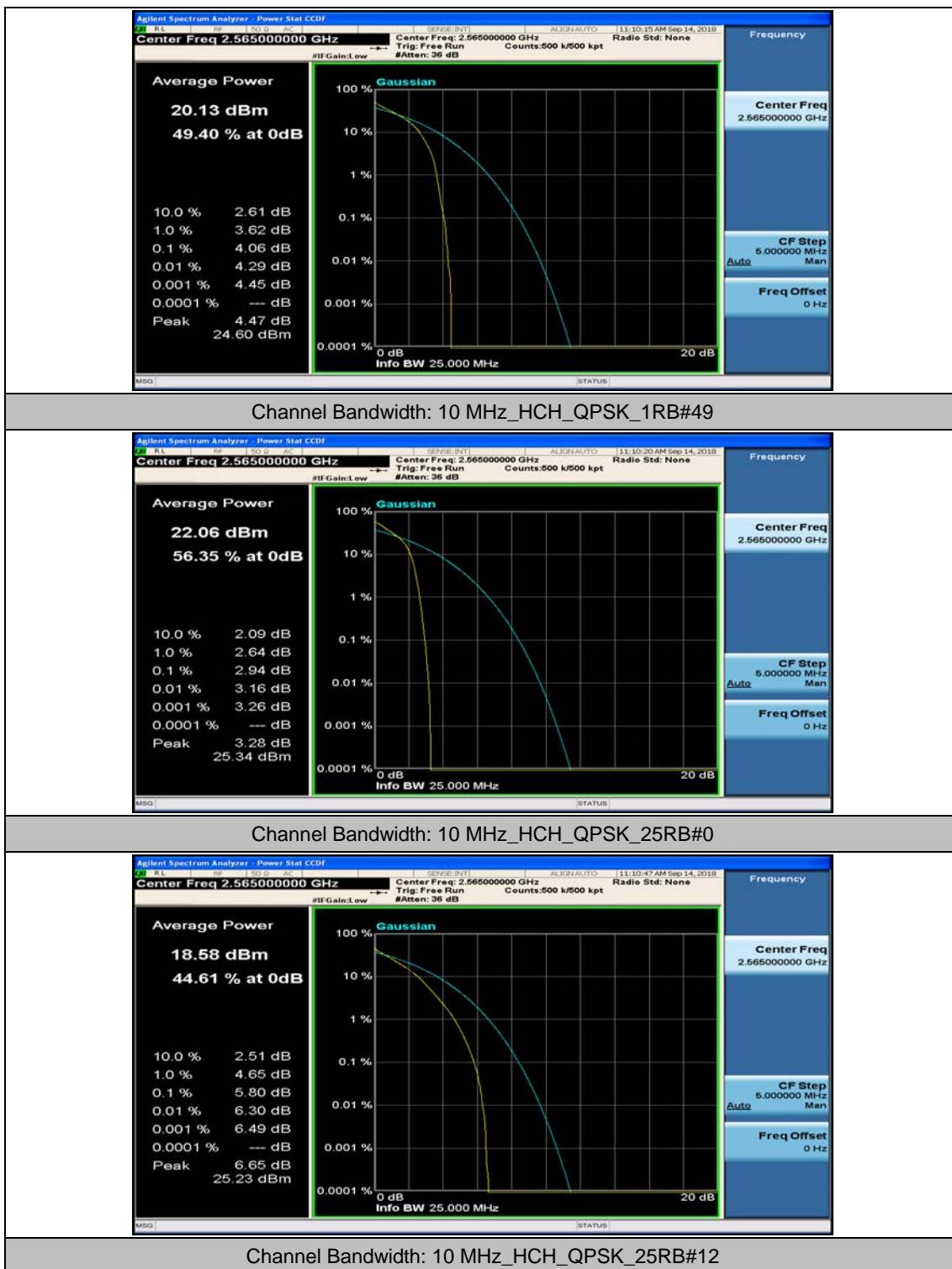


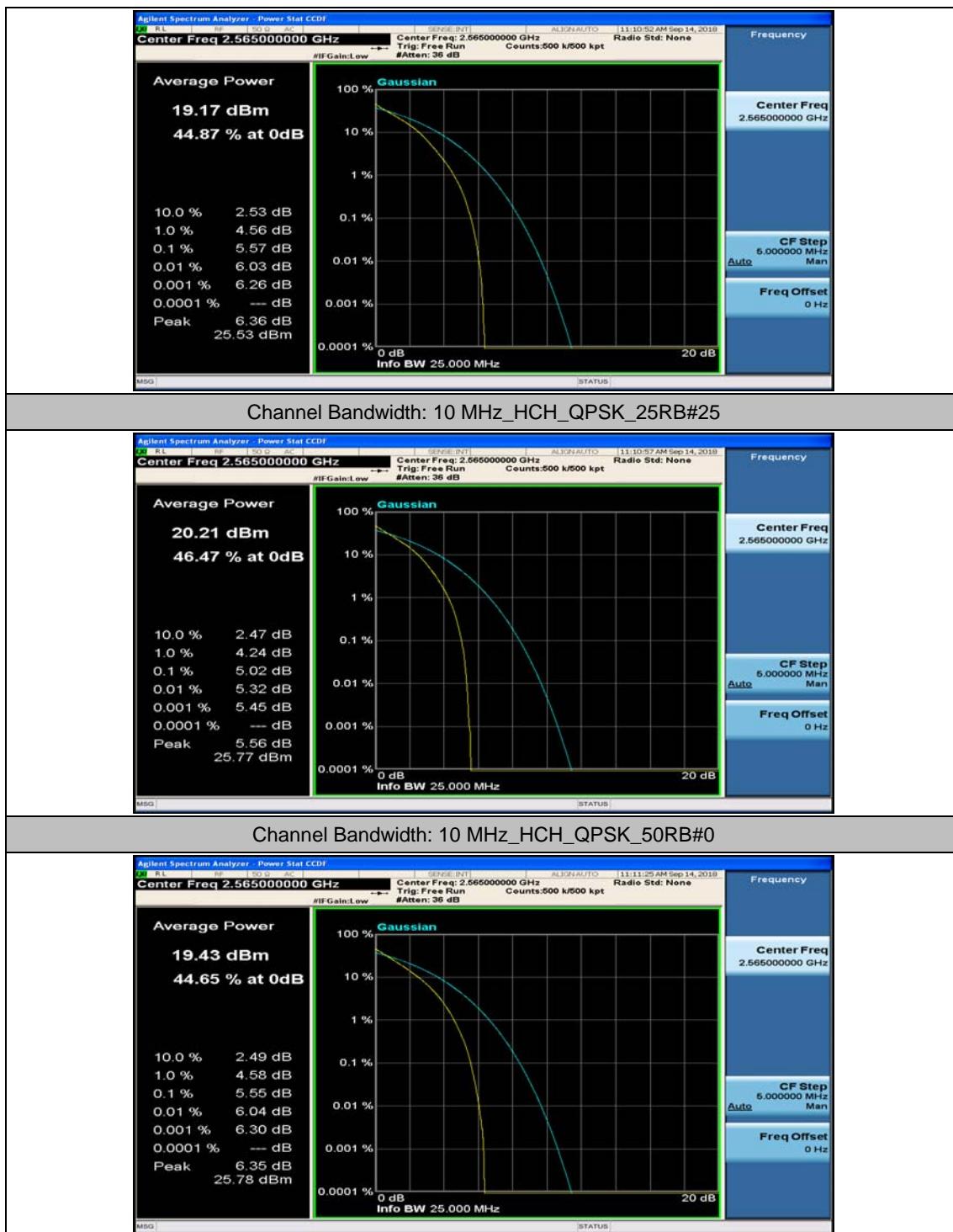


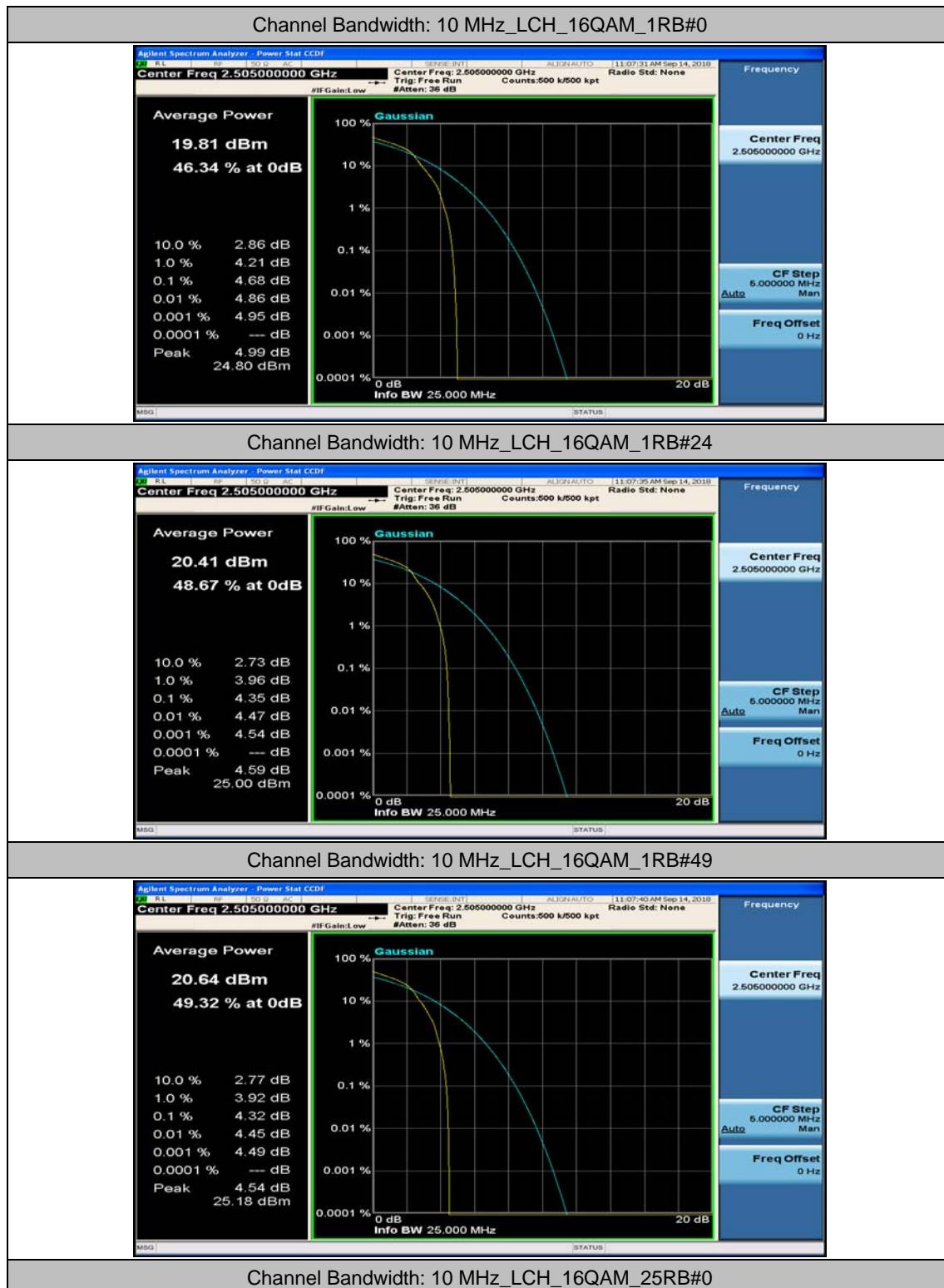


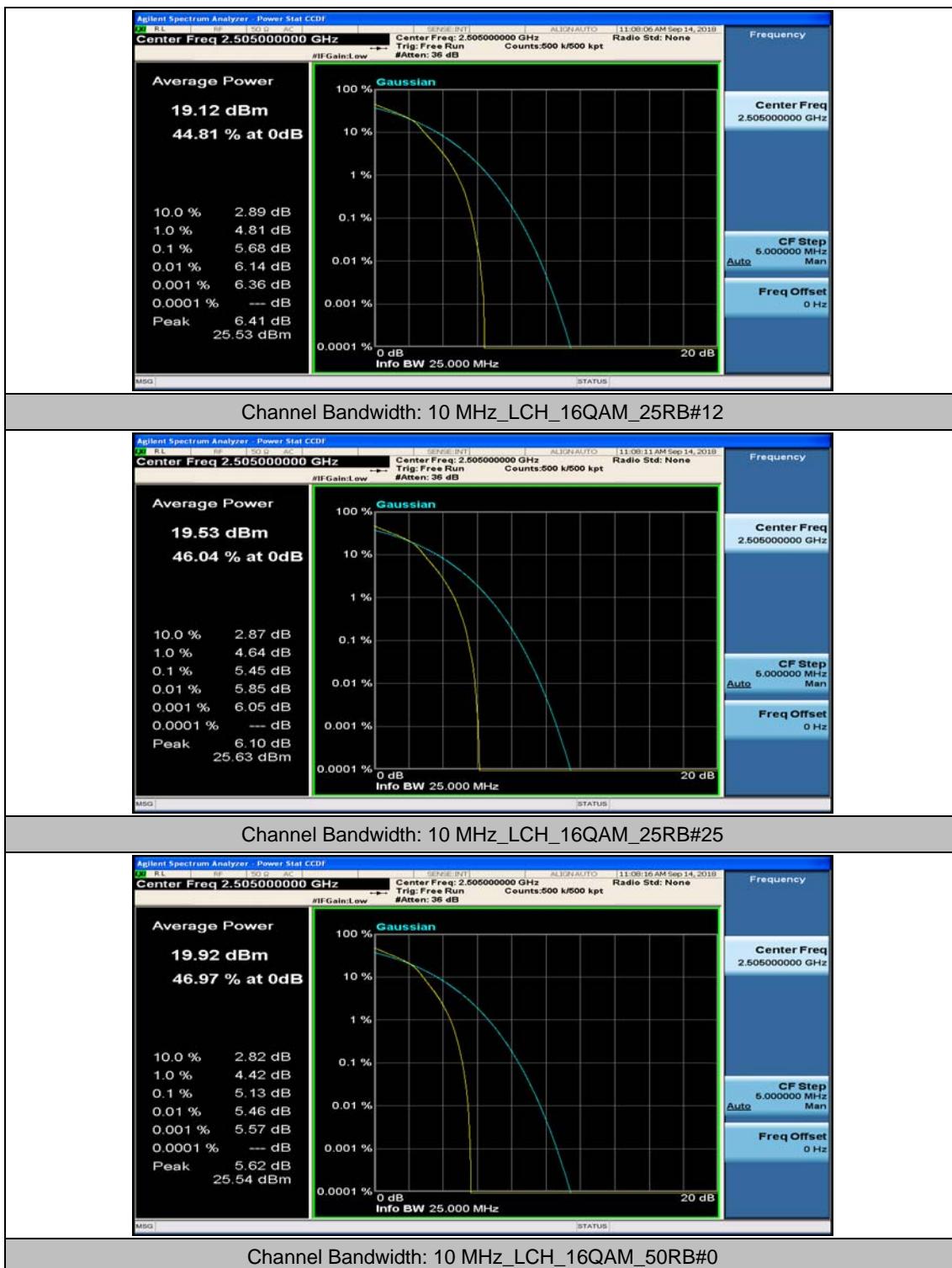


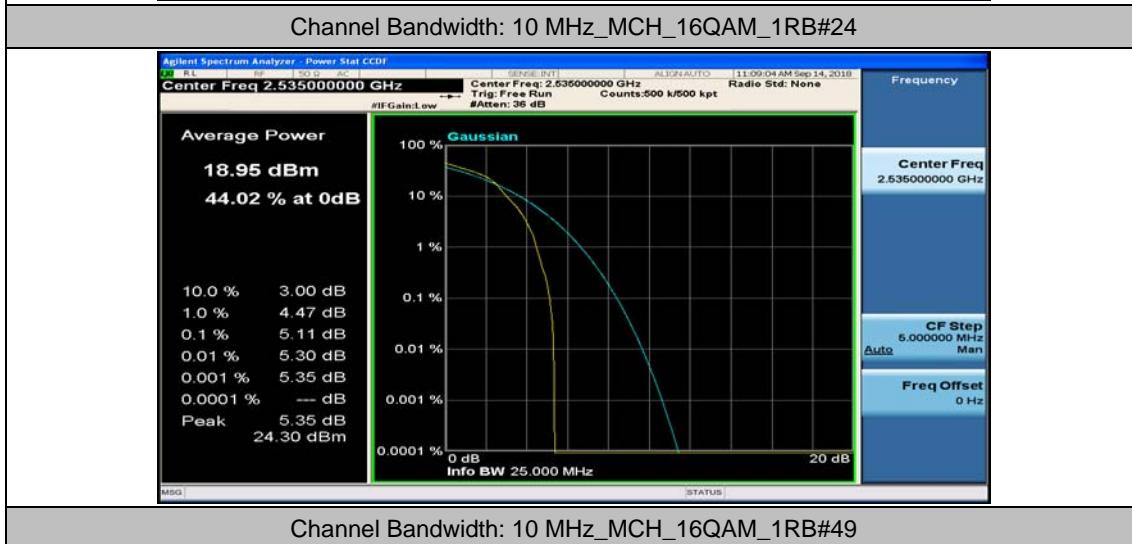
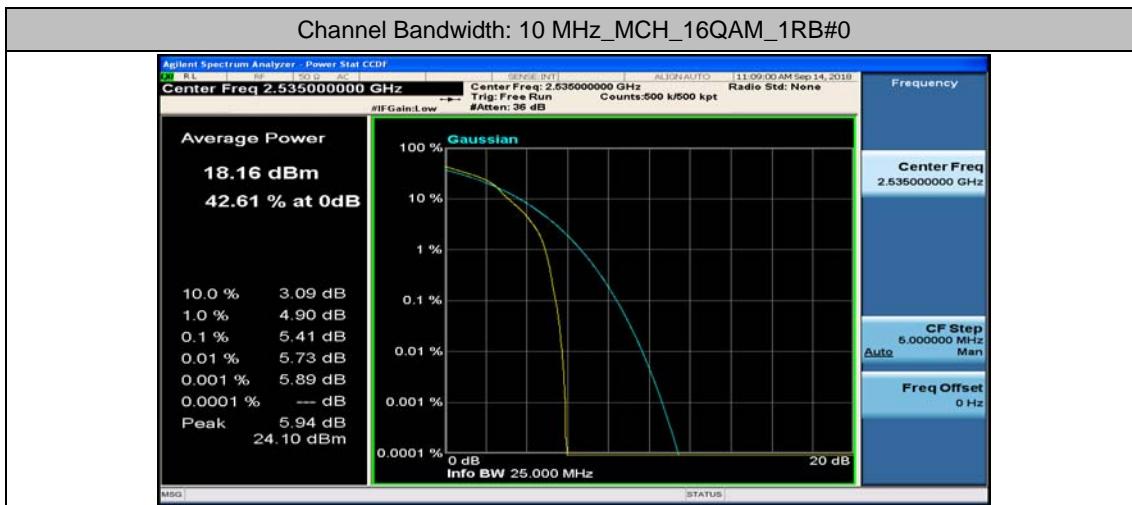
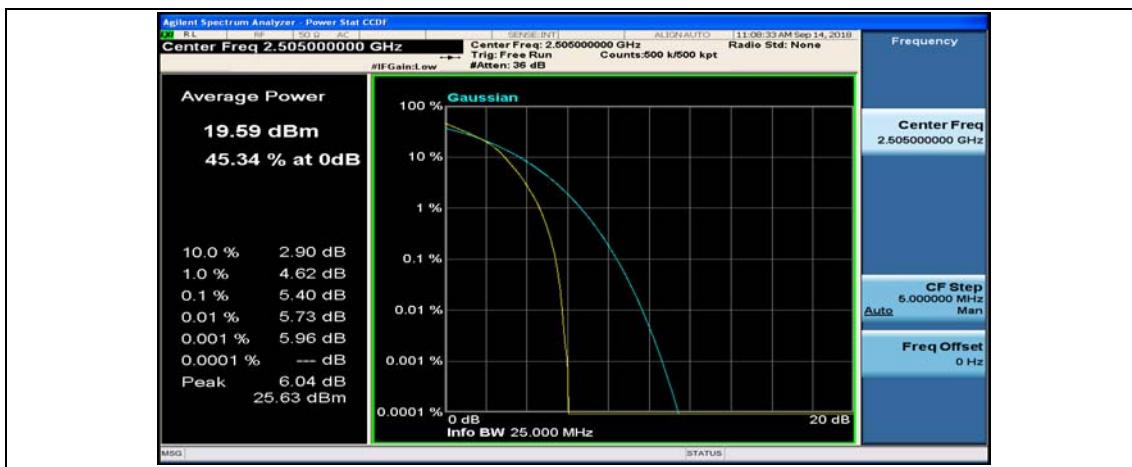




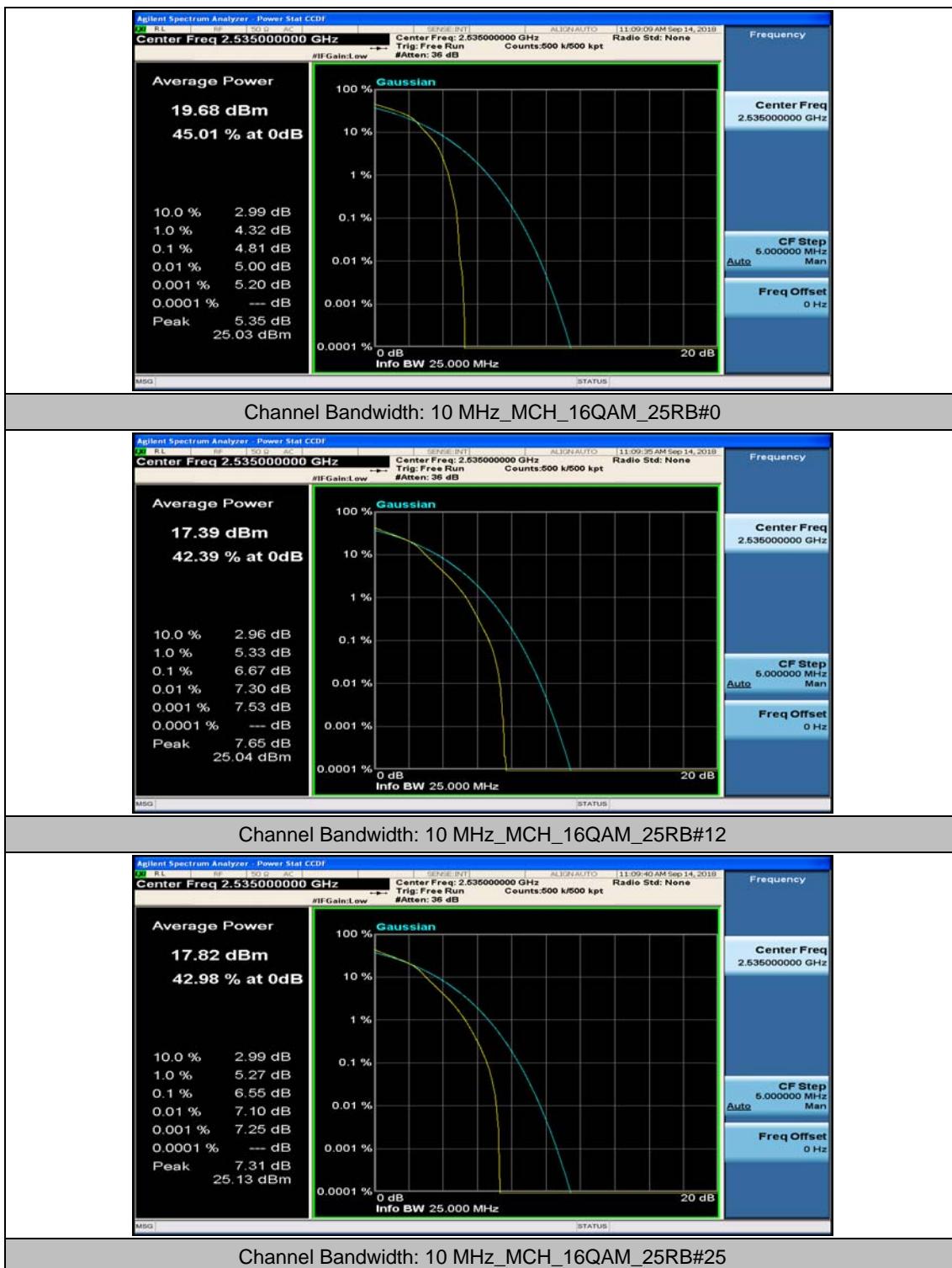


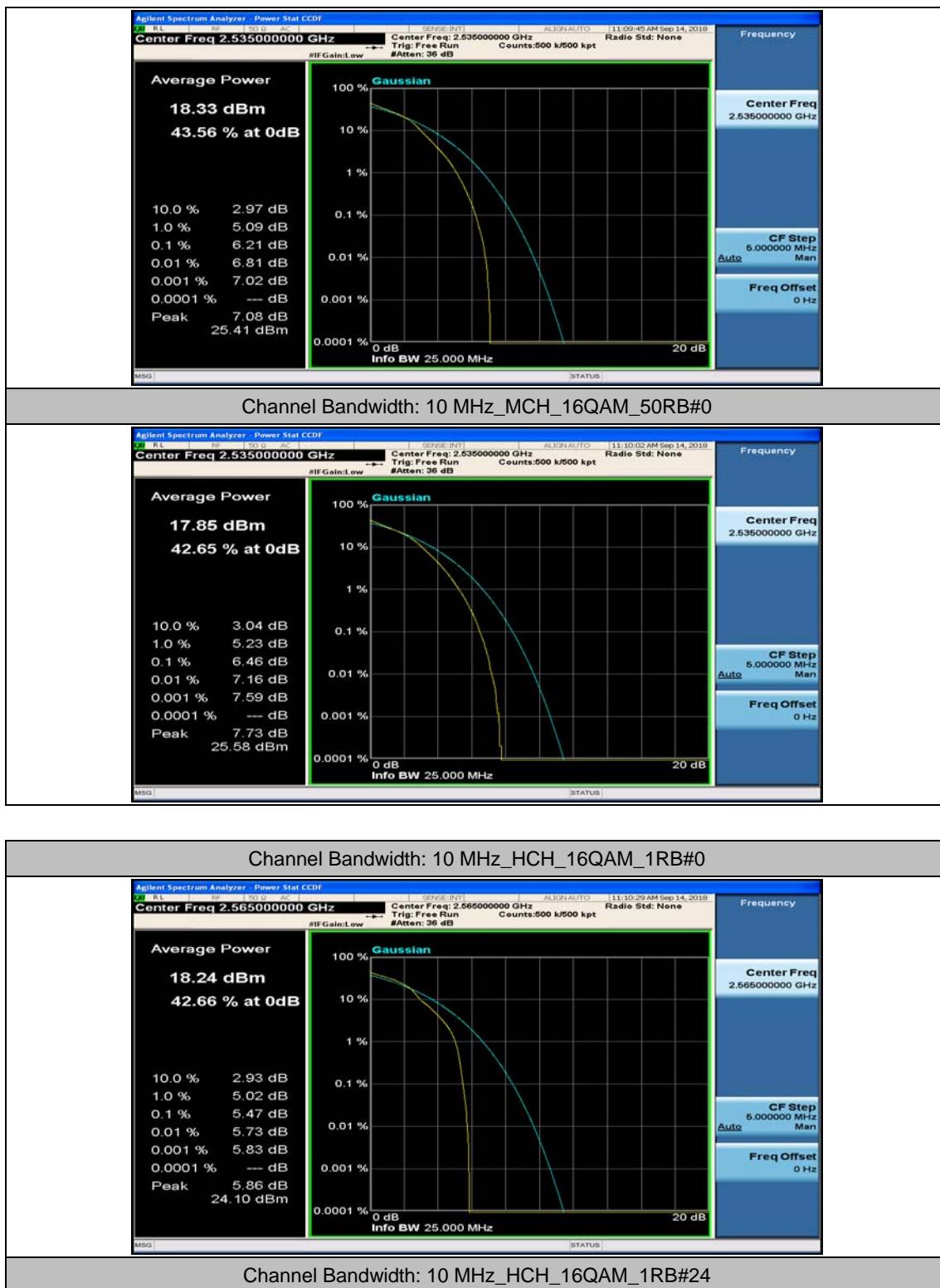


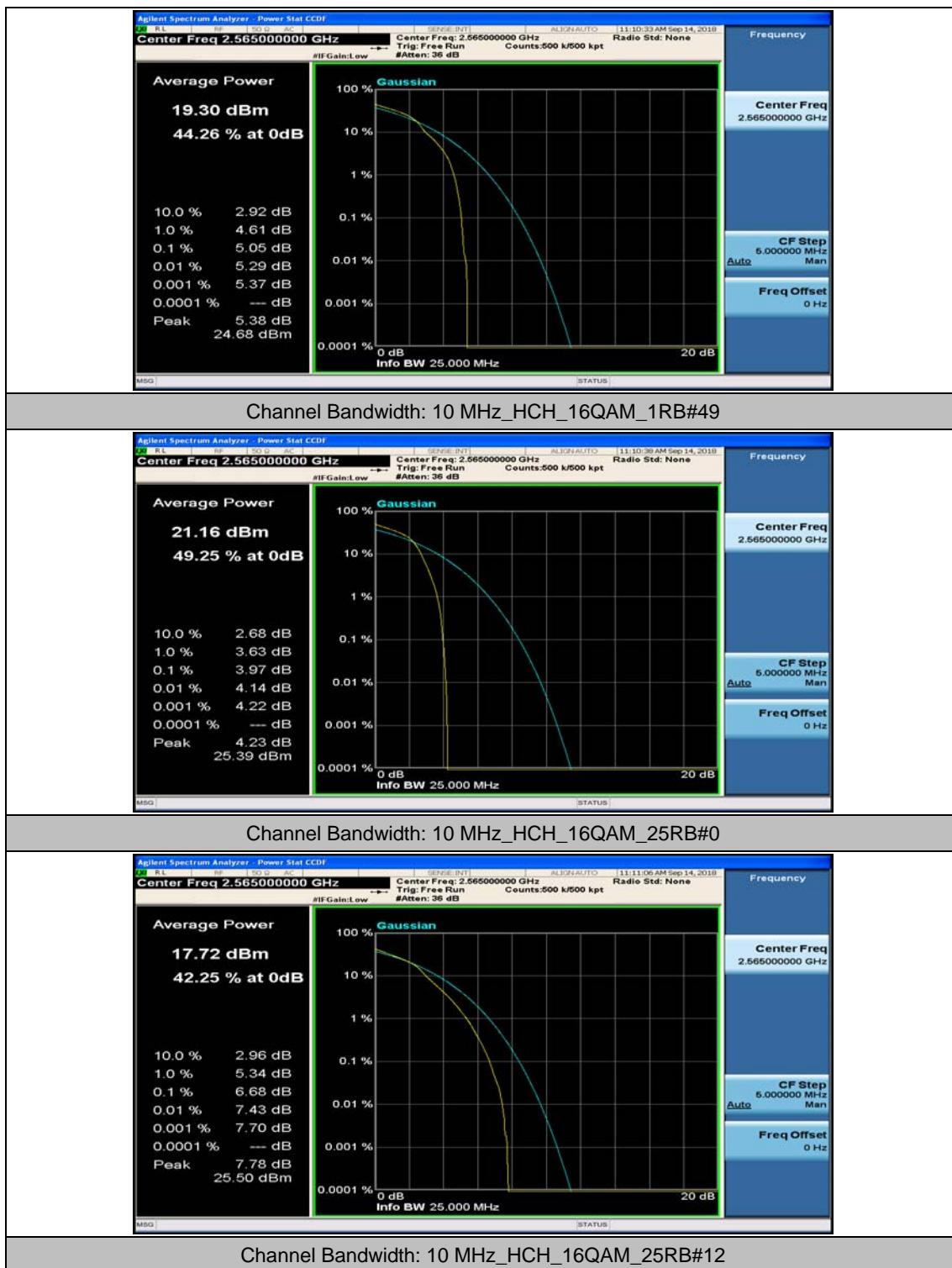


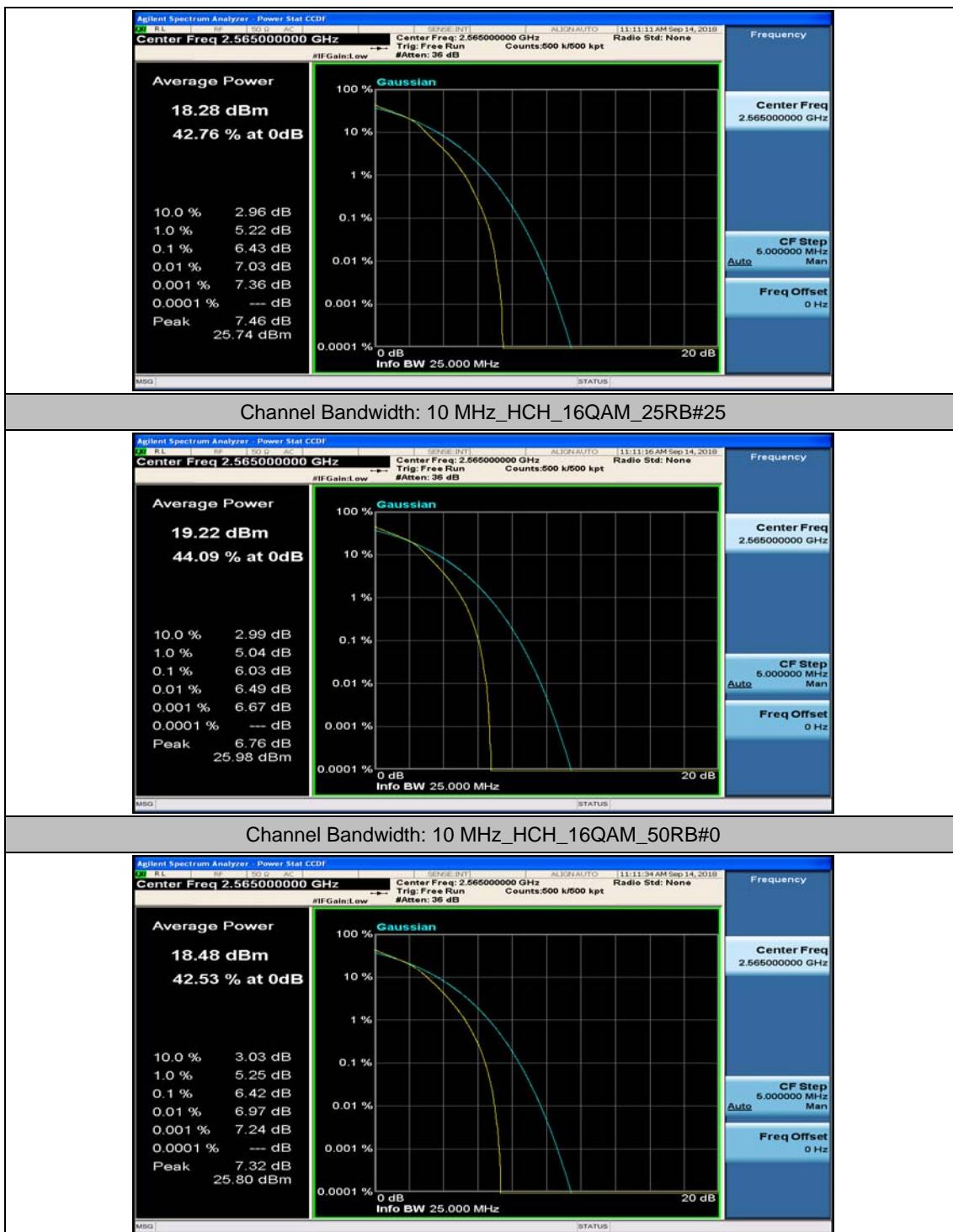


**Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#49**

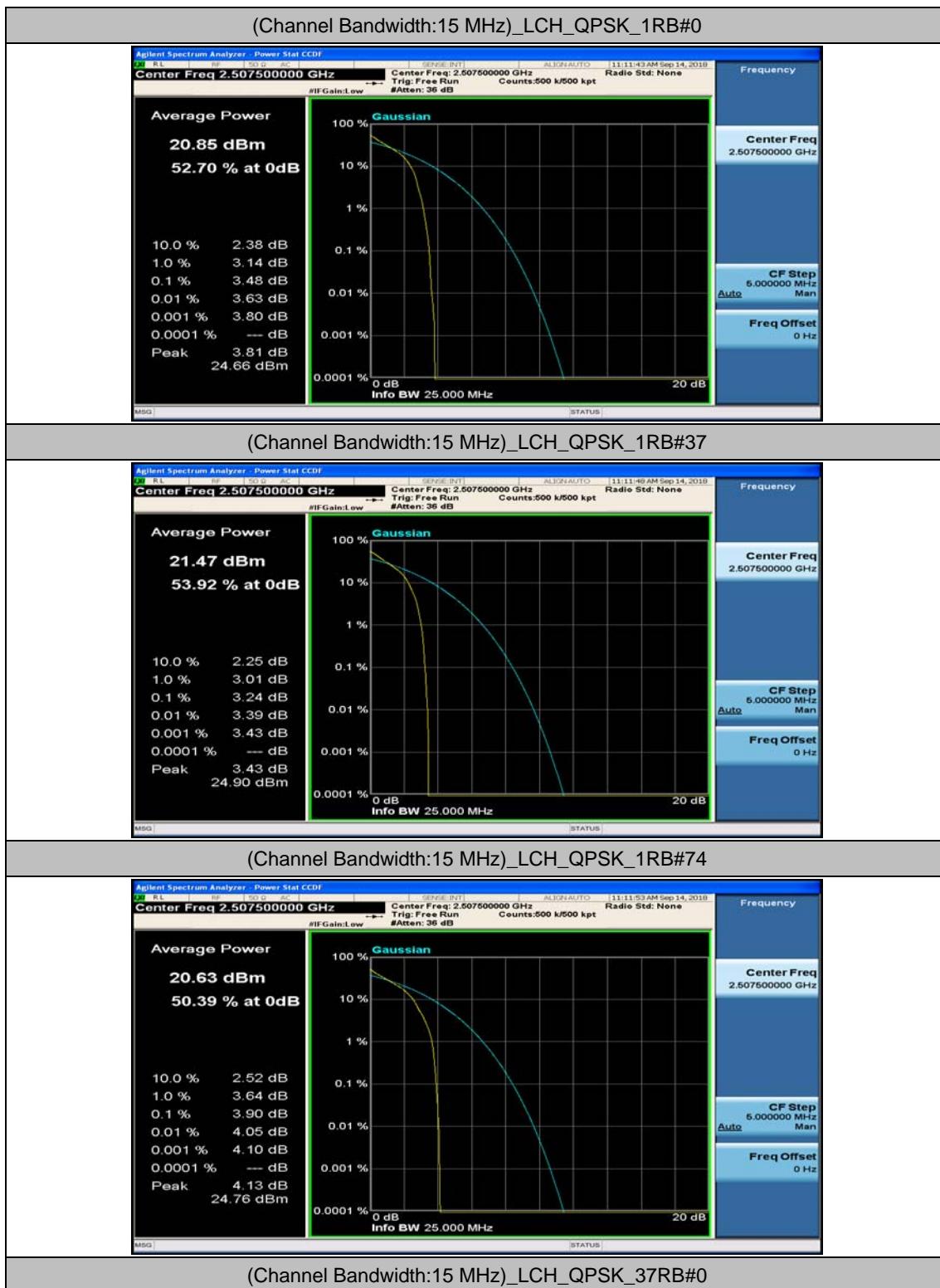


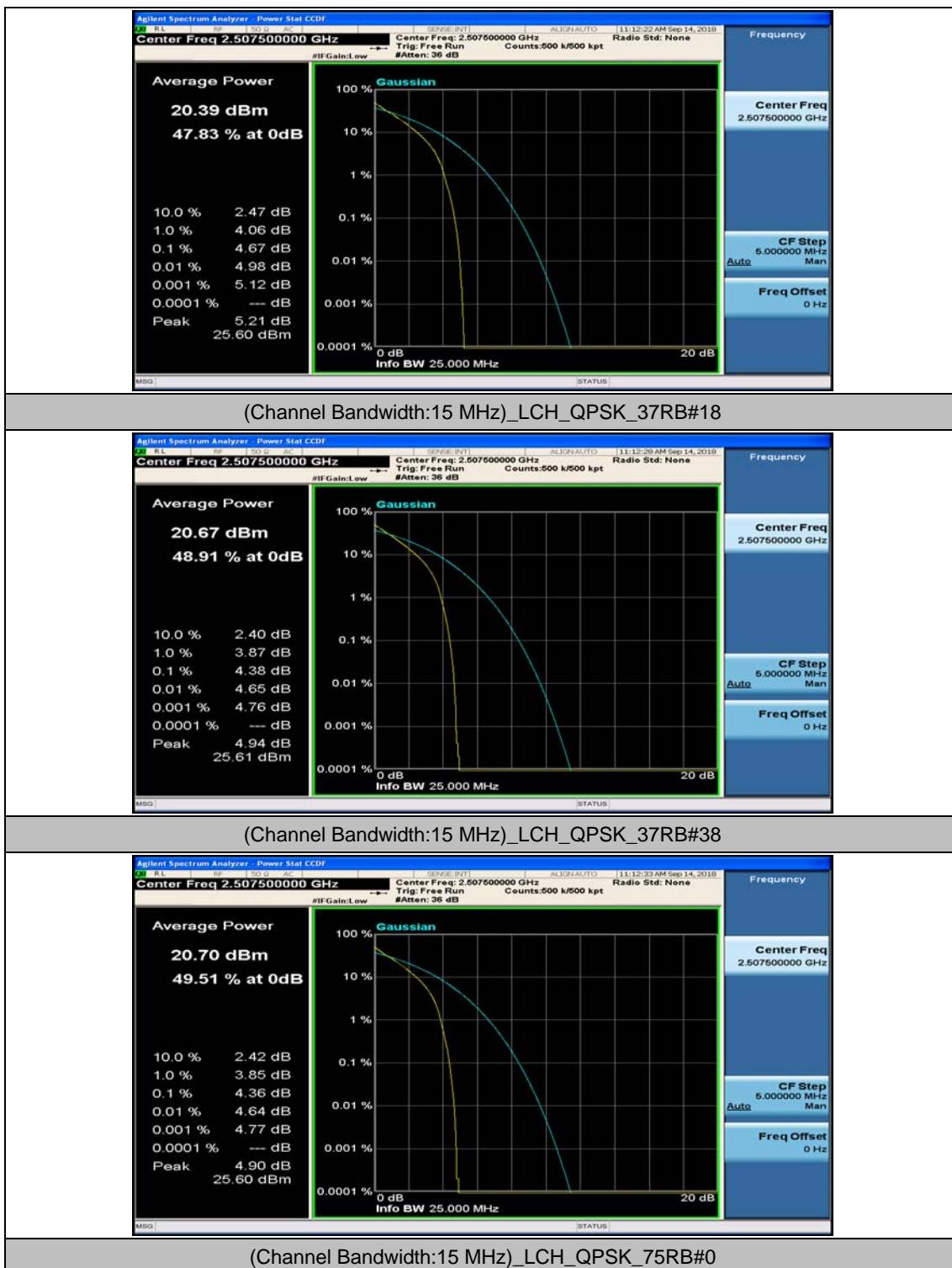


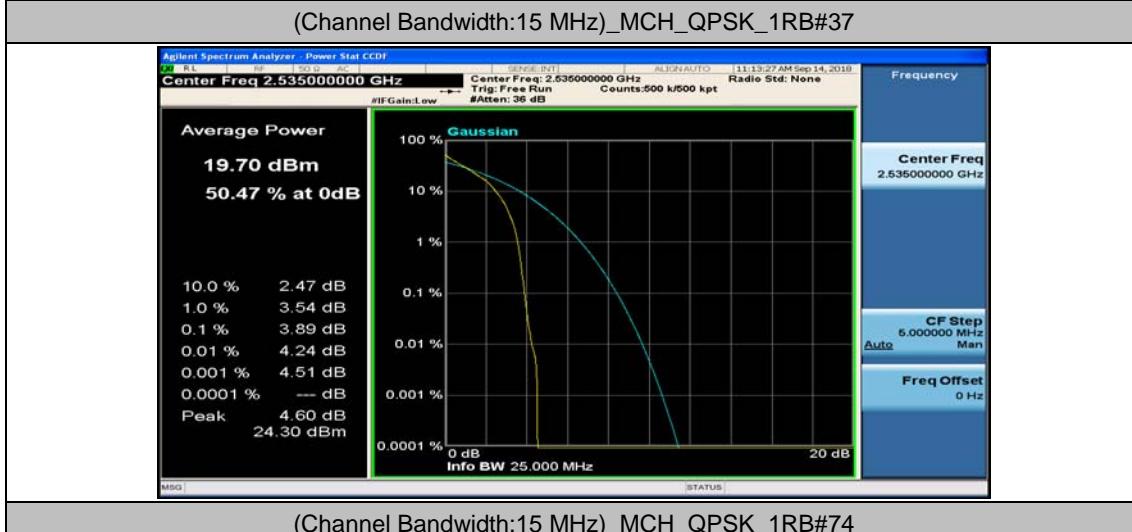
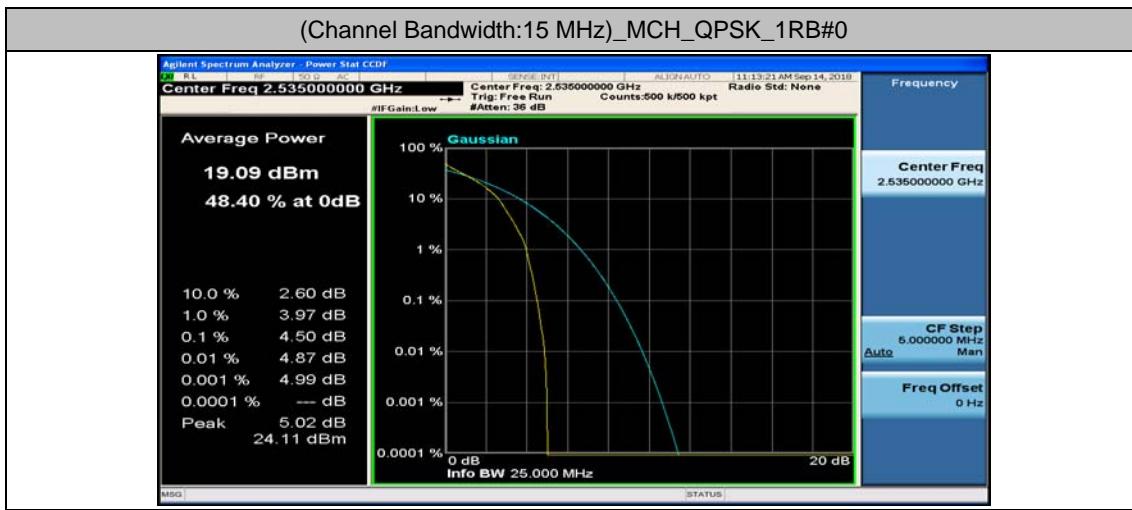
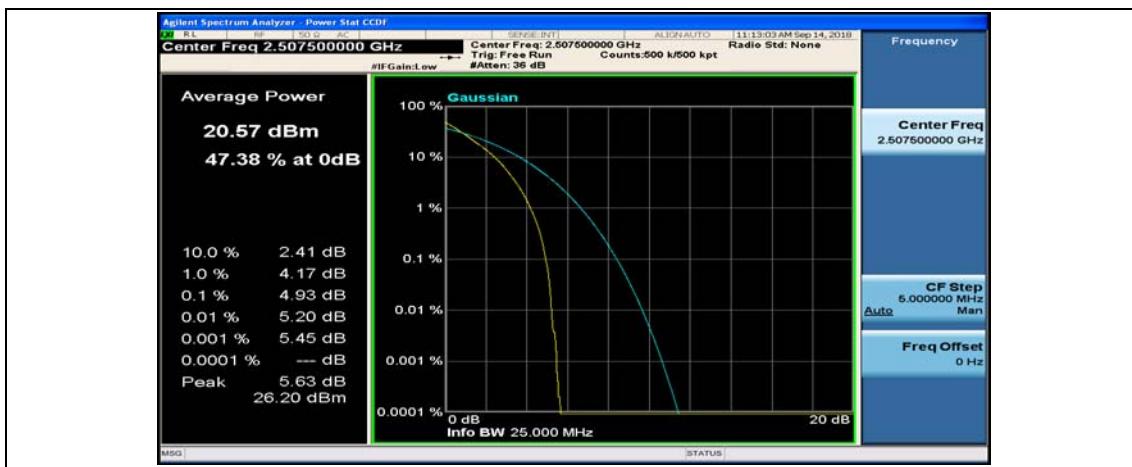




## Channel Bandwidth: 15 MHz







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

