

## Appendix A: 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	22.99	24.89	PASS
		1	3	22.97	24.87	PASS
		1	5	22.95	24.85	PASS
		3	0	22.75	24.65	PASS
		3	2	22.82	24.72	PASS
		3	3	22.79	24.69	PASS
		6	0	21.79	23.69	PASS
	MCH	1	0	<b>23.03</b>	<b>24.93</b>	PASS
		1	3	23.02	24.92	PASS
		1	5	23.01	24.91	PASS
		3	0	22.95	24.85	PASS
		3	2	22.97	24.87	PASS
		3	3	22.85	24.75	PASS
		6	0	21.70	23.60	PASS
16QAM	LCH	1	0	22.91	24.81	PASS
		1	3	22.87	24.77	PASS
		1	5	22.74	24.64	PASS
		3	0	22.95	24.85	PASS
		3	2	22.93	24.83	PASS
		3	3	22.87	24.77	PASS
		6	0	22.14	24.04	PASS
	MCH	1	0	22.06	23.96	PASS
		1	3	22.20	24.10	PASS
		1	5	22.16	24.06	PASS
		3	0	21.93	23.83	PASS
		3	2	21.96	23.86	PASS
		3	3	21.94	23.84	PASS
		6	0	20.83	22.73	PASS

		6	0	20.71	22.61	PASS
HCH		1	0	22.24	24.14	PASS
		1	3	22.26	24.16	PASS
		1	5	22.18	24.08	PASS
		3	0	22.11	24.01	PASS
		3	2	22.13	24.03	PASS
		3	3	22.08	23.98	PASS
		6	0	21.36	23.26	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	22.65	24.55	PASS
		1	7	22.70	24.60	PASS
		1	14	22.77	24.67	PASS
		8	0	21.77	23.67	PASS
		8	4	21.86	23.76	PASS
		8	7	21.92	23.82	PASS
		15	0	21.88	23.78	PASS
	MCH	1	0	<b>23.11</b>	<b>25.01</b>	PASS
		1	7	22.97	24.87	PASS
		1	14	23.09	24.99	PASS
		8	0	21.82	23.72	PASS
		8	4	21.83	23.73	PASS
		8	7	21.84	23.74	PASS
		15	0	21.83	23.73	PASS
	HCH	1	0	23.02	24.92	PASS
		1	7	23.00	24.90	PASS
		1	14	22.91	24.81	PASS
		8	0	22.14	24.04	PASS
		8	4	22.20	24.10	PASS
		8	7	22.21	24.11	PASS
		15	0	22.22	24.12	PASS
16QAM	LCH	1	0	21.95	23.85	PASS
		1	7	22.04	23.94	PASS
		1	14	22.13	24.03	PASS
		8	0	20.91	22.81	PASS
		8	4	21.01	22.91	PASS
		8	7	21.05	22.95	PASS
		15	0	20.93	22.83	PASS

	MCH	1	0	22.47	24.37	PASS
		1	7	22.39	24.29	PASS
		1	14	<b>22.49</b>	<b>24.39</b>	PASS
		8	0	20.87	22.77	PASS
		8	4	20.89	22.79	PASS
		8	7	20.89	22.79	PASS
		15	0	20.89	22.79	PASS
	HCH	1	0	22.29	24.19	PASS
		1	7	22.34	24.24	PASS
		1	14	22.29	24.19	PASS
		8	0	21.16	23.06	PASS
		8	4	21.25	23.15	PASS
		8	7	21.27	23.17	PASS
		15	0	21.29	23.19	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	22.92	24.82	PASS
		1	12	22.89	24.79	PASS
		1	24	23.12	25.02	PASS
		12	0	21.93	23.83	PASS
		12	6	21.98	23.88	PASS
		12	13	22.11	24.01	PASS
		25	0	21.98	23.88	PASS
	MCH	1	0	23.24	25.14	PASS
		1	12	22.99	24.89	PASS
		1	24	23.25	25.15	PASS
		12	0	22.01	23.91	PASS
		12	6	21.86	23.76	PASS
		12	13	21.91	23.81	PASS
		25	0	21.91	23.81	PASS
	HCH	1	0	<b>23.32</b>	<b>25.22</b>	PASS
		1	12	22.95	24.85	PASS
		1	24	23.07	24.97	PASS
		12	0	22.04	23.94	PASS
		12	6	22.06	23.96	PASS
		12	13	22.28	24.18	PASS
		25	0	22.08	23.98	PASS

16QAM	LCH	1	0	22.15	24.05	PASS
		1	12	22.18	24.08	PASS
		1	24	22.46	24.36	PASS
		12	0	21.03	22.93	PASS
		12	6	21.10	23.00	PASS
		12	13	21.24	23.14	PASS
		25	0	21.05	22.95	PASS
	MCH	1	0	22.52	24.42	PASS
		1	12	22.26	24.16	PASS
		1	24	22.57	24.47	PASS
		12	0	21.16	23.06	PASS
		12	6	21.01	22.91	PASS
		12	13	21.07	22.97	PASS
		25	0	20.96	22.86	PASS
	HCH	1	0	22.51	24.41	PASS
		1	12	22.21	24.11	PASS
		1	24	22.40	24.30	PASS
		12	0	21.07	22.97	PASS
		12	6	21.12	23.02	PASS
		12	13	21.36	23.26	PASS
		25	0	21.16	23.06	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	22.73	24.63	PASS
		1	24	22.79	24.69	PASS
		1	49	23.04	24.94	PASS
		25	0	21.92	23.82	PASS
		25	12	21.93	23.83	PASS
		25	25	22.18	24.08	PASS
		50	0	22.03	23.93	PASS
	MCH	1	0	23.13	25.03	PASS
		1	24	22.88	24.78	PASS
		1	49	23.18	25.08	PASS
		25	0	21.94	23.84	PASS
		25	12	21.79	23.69	PASS
		25	25	21.96	23.86	PASS
		50	0	21.94	23.84	PASS
	HCH	1	0	23.43	25.33	PASS

16QAM	LCH	1	24	23.01	24.91	PASS
		1	49	22.93	24.83	PASS
		25	0	22.01	23.91	PASS
		25	12	21.93	23.83	PASS
		25	25	22.12	24.02	PASS
		50	0	21.96	23.86	PASS
	MCH	1	0	22.04	23.94	PASS
		1	24	22.14	24.04	PASS
		1	49	22.42	24.32	PASS
		25	0	20.97	22.87	PASS
		25	12	20.98	22.88	PASS
		25	25	21.24	23.14	PASS
		50	0	21.12	23.02	PASS
	HCH	1	0	22.54	24.44	PASS
		1	24	22.30	24.20	PASS
		1	49	22.64	24.54	PASS
		25	0	21.00	22.90	PASS
		25	12	20.87	22.77	PASS
		25	25	21.06	22.96	PASS
		50	0	21.02	22.92	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	22.62	24.52	PASS
		1	37	22.81	24.71	PASS
		1	74	22.85	24.75	PASS
		37	0	21.87	23.77	PASS
		37	18	22.05	23.95	PASS
		37	38	22.12	24.02	PASS
		75	0	21.96	23.86	PASS
	MCH	1	0	22.88	24.78	PASS
		1	37	22.87	24.77	PASS

	HCH	1	74	23.15	25.05	PASS
		37	0	21.88	23.78	PASS
		37	18	21.78	23.68	PASS
		37	38	21.97	23.87	PASS
		75	0	21.92	23.82	PASS
		1	0	<b>23.32</b>	<b>25.22</b>	PASS
		1	37	22.92	24.82	PASS
		1	74	22.83	24.73	PASS
		37	0	22.26	24.16	PASS
		37	18	21.90	23.80	PASS
16QAM	LCH	37	38	21.92	23.82	PASS
		75	0	21.92	23.82	PASS
		1	0	21.95	23.85	PASS
		1	37	22.17	24.07	PASS
		1	74	22.25	24.15	PASS
		37	0	20.95	22.85	PASS
		37	18	21.14	23.04	PASS
	MCH	37	38	21.22	23.12	PASS
		75	0	21.06	22.96	PASS
		1	0	22.24	24.14	PASS
		1	37	22.19	24.09	PASS
		1	74	22.49	24.39	PASS
		37	0	20.99	22.89	PASS
		37	18	20.89	22.79	PASS
	HCH	37	38	21.07	22.97	PASS
		75	0	20.99	22.89	PASS
		1	0	<b>22.64</b>	<b>24.54</b>	PASS
		1	37	22.19	24.09	PASS
		1	74	22.22	24.12	PASS
		37	0	21.29	23.19	PASS
		37	18	20.91	22.81	PASS
		37	38	20.98	22.88	PASS
		75	0	20.97	22.87	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	22.39	24.29	PASS
		1	49	22.89	24.79	PASS
		1	99	22.85	24.75	PASS

	MCH	50	0	21.78	23.68	PASS	
		50	25	22.04	23.94	PASS	
		50	50	22.01	23.91	PASS	
		100	0	21.95	23.85	PASS	
		1	0	22.63	24.53	PASS	
		1	49	22.92	24.82	PASS	
		1	99	23.17	25.07	PASS	
		50	0	21.75	23.65	PASS	
		50	25	21.86	23.76	PASS	
		50	50	21.89	23.79	PASS	
		100	0	21.77	23.67	PASS	
		1	0	22.81	24.71	PASS	
		1	49	<b>23.49</b>	<b>25.39</b>	PASS	
		1	99	22.51	24.41	PASS	
	HCH	50	0	22.10	24.00	PASS	
16QAM		50	25	22.20	24.10	PASS	
		50	50	21.76	23.66	PASS	
		100	0	21.83	23.73	PASS	
LCH	1	0	21.62	23.52	PASS		
	1	49	22.18	24.08	PASS		
	1	99	22.15	24.05	PASS		
	50	0	20.83	22.73	PASS		
	50	25	21.11	23.01	PASS		
	50	50	21.08	22.98	PASS		
	100	0	21.01	22.91	PASS		
MCH	1	0	21.98	23.88	PASS		
	1	49	22.32	24.22	PASS		
	1	99	<b>22.59</b>	<b>24.49</b>	PASS		
	50	0	20.84	22.74	PASS		
	50	25	20.95	22.85	PASS		
	50	50	21.00	22.90	PASS		
	100	0	20.83	22.73	PASS		
HCH	1	0	22.17	24.07	PASS		
	1	49	22.56	24.46	PASS		
	1	99	21.91	23.81	PASS		
	50	0	21.17	23.07	PASS		
	50	25	21.25	23.15	PASS		
	50	50	20.81	22.71	PASS		
	100	0	20.88	22.78	PASS		

## Appendix B: 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	2.87	<13	PASS
		1	3	2.84	<13	PASS
		1	5	2.98	<13	PASS
		3	0	3.09	<13	PASS
		3	2	3.08	<13	PASS
		3	3	3.15	<13	PASS
		6	0	3.86	<13	PASS
	MCH	1	0	3.16	<13	PASS
		1	3	3.10	<13	PASS
		1	5	3.21	<13	PASS
		3	0	3.23	<13	PASS
		3	2	3.19	<13	PASS
		3	3	3.25	<13	PASS
		6	0	4.10	<13	PASS
16QAM	LCH	1	0	3.04	<13	PASS
		1	3	2.90	<13	PASS
		1	5	3.01	<13	PASS
		3	0	3.00	<13	PASS
		3	2	2.95	<13	PASS
		3	3	2.99	<13	PASS
		6	0	3.71	<13	PASS
	MCH	1	0	3.69	<13	PASS
		1	3	3.55	<13	PASS
		1	5	3.73	<13	PASS
		3	0	4.00	<13	PASS
		3	2	4.02	<13	PASS
		3	3	4.07	<13	PASS
		6	0	4.72	<13	PASS

		3	3	4.12	<13	PASS
		6	0	5.02	<13	PASS
HCH	HCH	1	0	3.78	<13	PASS
		1	3	3.72	<13	PASS
		1	5	3.73	<13	PASS
		3	0	3.85	<13	PASS
		3	2	3.77	<13	PASS
		3	3	3.79	<13	PASS
		6	0	4.57	<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	2.91	<13	PASS
		1	7	3.19	<13	PASS
		1	14	3.10	<13	PASS
		8	0	3.91	<13	PASS
		8	4	3.89	<13	PASS
		8	7	3.96	<13	PASS
		15	0	4.04	<13	PASS
	MCH	1	0	2.88	<13	PASS
		1	7	3.18	<13	PASS
		1	14	2.93	<13	PASS
		8	0	4.05	<13	PASS
		8	4	4.02	<13	PASS
		8	7	4.08	<13	PASS
		15	0	4.16	<13	PASS
	HCH	1	0	2.93	<13	PASS
		1	7	2.98	<13	PASS
		1	14	2.65	<13	PASS
		8	0	3.79	<13	PASS
		8	4	3.63	<13	PASS
		8	7	3.58	<13	PASS
		15	0	3.76	<13	PASS
16QAM	LCH	1	0	3.58	<13	PASS
		1	7	3.98	<13	PASS
		1	14	3.88	<13	PASS
		8	0	4.77	<13	PASS
		8	4	4.74	<13	PASS
		8	7	4.80	<13	PASS

		15	0	4.95	<13	PASS
MCH		1	0	3.72	<13	PASS
		1	7	4.01	<13	PASS
		1	14	3.78	<13	PASS
		8	0	4.92	<13	PASS
		8	4	4.95	<13	PASS
		8	7	4.96	<13	PASS
		15	0	5.06	<13	PASS
		1	0	3.70	<13	PASS
HCH		1	7	3.72	<13	PASS
		1	14	3.39	<13	PASS
		8	0	4.71	<13	PASS
		8	4	4.50	<13	PASS
		8	7	4.50	<13	PASS
		15	0	4.72	<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	2.80	<13	PASS
		1	12	3.29	<13	PASS
		1	24	2.98	<13	PASS
		12	0	3.73	<13	PASS
		12	6	3.85	<13	PASS
		12	13	3.86	<13	PASS
		25	0	3.95	<13	PASS
	MCH	1	0	2.73	<13	PASS
		1	12	3.21	<13	PASS
		1	24	2.81	<13	PASS
		12	0	3.63	<13	PASS
		12	6	3.95	<13	PASS
		12	13	3.91	<13	PASS
		25	0	4.02	<13	PASS
	HCH	1	0	2.93	<13	PASS
		1	12	3.10	<13	PASS
		1	24	2.53	<13	PASS
		12	0	3.93	<13	PASS
		12	6	3.80	<13	PASS
		12	13	3.46	<13	PASS
		25	0	3.89	<13	PASS

16QAM	LCH	1	0	3.51	<13	PASS
		1	12	3.98	<13	PASS
		1	24	3.72	<13	PASS
		12	0	4.58	<13	PASS
		12	6	4.73	<13	PASS
		12	13	4.73	<13	PASS
		25	0	4.80	<13	PASS
	MCH	1	0	3.48	<13	PASS
		1	12	3.93	<13	PASS
		1	24	3.52	<13	PASS
		12	0	4.54	<13	PASS
		12	6	4.85	<13	PASS
		12	13	4.81	<13	PASS
		25	0	4.94	<13	PASS
	HCH	1	0	3.66	<13	PASS
		1	12	3.88	<13	PASS
		1	24	3.13	<13	PASS
		12	0	4.87	<13	PASS
		12	6	4.74	<13	PASS
		12	13	4.38	<13	PASS
		25	0	4.79	<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	2.65	<13	PASS
		1	24	3.36	<13	PASS
		1	49	2.78	<13	PASS
		25	0	3.75	<13	PASS
		25	12	4.02	<13	PASS
		25	25	3.83	<13	PASS
		50	0	4.01	<13	PASS
	MCH	1	0	2.51	<13	PASS
		1	24	3.16	<13	PASS
		1	49	2.65	<13	PASS
		25	0	3.61	<13	PASS
		25	12	3.97	<13	PASS
		25	25	3.65	<13	PASS
		50	0	3.83	<13	PASS
	HCH	1	0	3.03	<13	PASS

16QAM	LCH	1	24	3.39	<13	PASS
		1	49	2.40	<13	PASS
		25	0	4.12	<13	PASS
		25	12	4.15	<13	PASS
		25	25	3.65	<13	PASS
		50	0	4.31	<13	PASS
	MCH	1	0	3.31	<13	PASS
		1	24	4.09	<13	PASS
		1	49	3.41	<13	PASS
		25	0	4.66	<13	PASS
		25	12	4.92	<13	PASS
		25	25	4.72	<13	PASS
		50	0	4.86	<13	PASS
	HCH	1	0	3.29	<13	PASS
		1	24	4.01	<13	PASS
		1	49	3.43	<13	PASS
		25	0	4.47	<13	PASS
		25	12	4.87	<13	PASS
		25	25	4.58	<13	PASS
		50	0	4.65	<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	2.68	<13	PASS
		1	37	3.34	<13	PASS
		1	74	2.60	<13	PASS
		37	0	3.88	<13	PASS
		37	18	3.99	<13	PASS
		37	38	3.76	<13	PASS
		75	0	4.37	<13	PASS
	MCH	1	0	2.37	<13	PASS
		1	37	3.20	<13	PASS

	HCH	1	74	2.45	<13	PASS
		37	0	3.59	<13	PASS
		37	18	3.98	<13	PASS
		37	38	3.71	<13	PASS
		75	0	4.17	<13	PASS
		1	0	2.95	<13	PASS
		1	37	3.75	<13	PASS
		1	74	2.38	<13	PASS
		37	0	4.19	<13	PASS
		37	18	4.41	<13	PASS
16QAM	LCH	37	38	3.99	<13	PASS
		75	0	4.59	<13	PASS
		1	0	3.45	<13	PASS
		1	37	4.07	<13	PASS
		1	74	3.28	<13	PASS
		37	0	4.79	<13	PASS
		37	18	4.88	<13	PASS
	MCH	37	38	4.65	<13	PASS
		75	0	5.14	<13	PASS
		1	0	3.13	<13	PASS
		1	37	3.96	<13	PASS
		1	74	3.18	<13	PASS
		37	0	4.51	<13	PASS
		37	18	4.90	<13	PASS
	HCH	37	38	4.62	<13	PASS
		75	0	5.01	<13	PASS
		1	0	3.72	<13	PASS
		1	37	4.49	<13	PASS
		1	74	3.09	<13	PASS
		37	0	5.11	<13	PASS
		37	18	5.33	<13	PASS
		37	38	4.94	<13	PASS
		75	0	5.38	<13	PASS

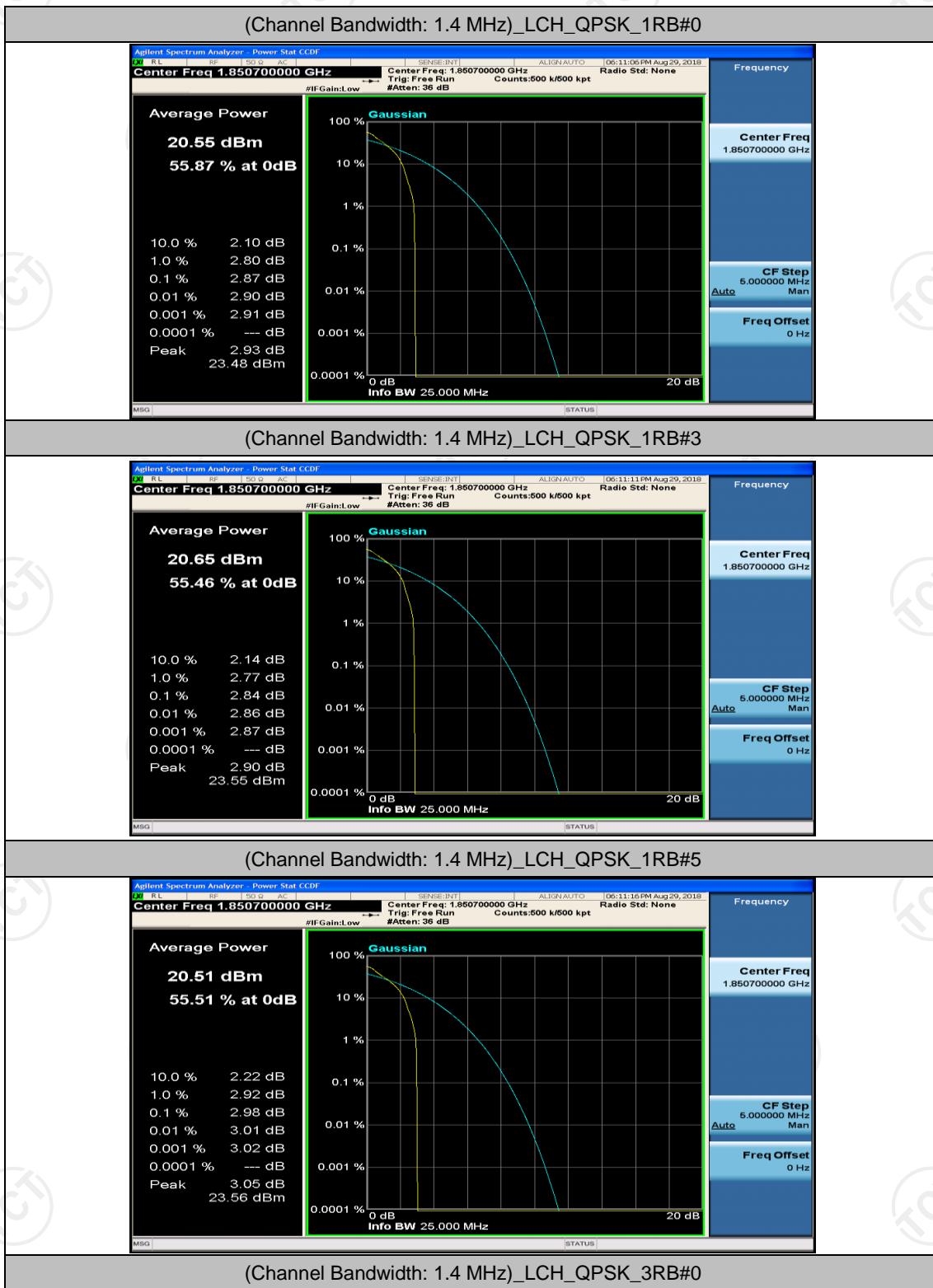
### Channel Bandwidth: 20 MHz

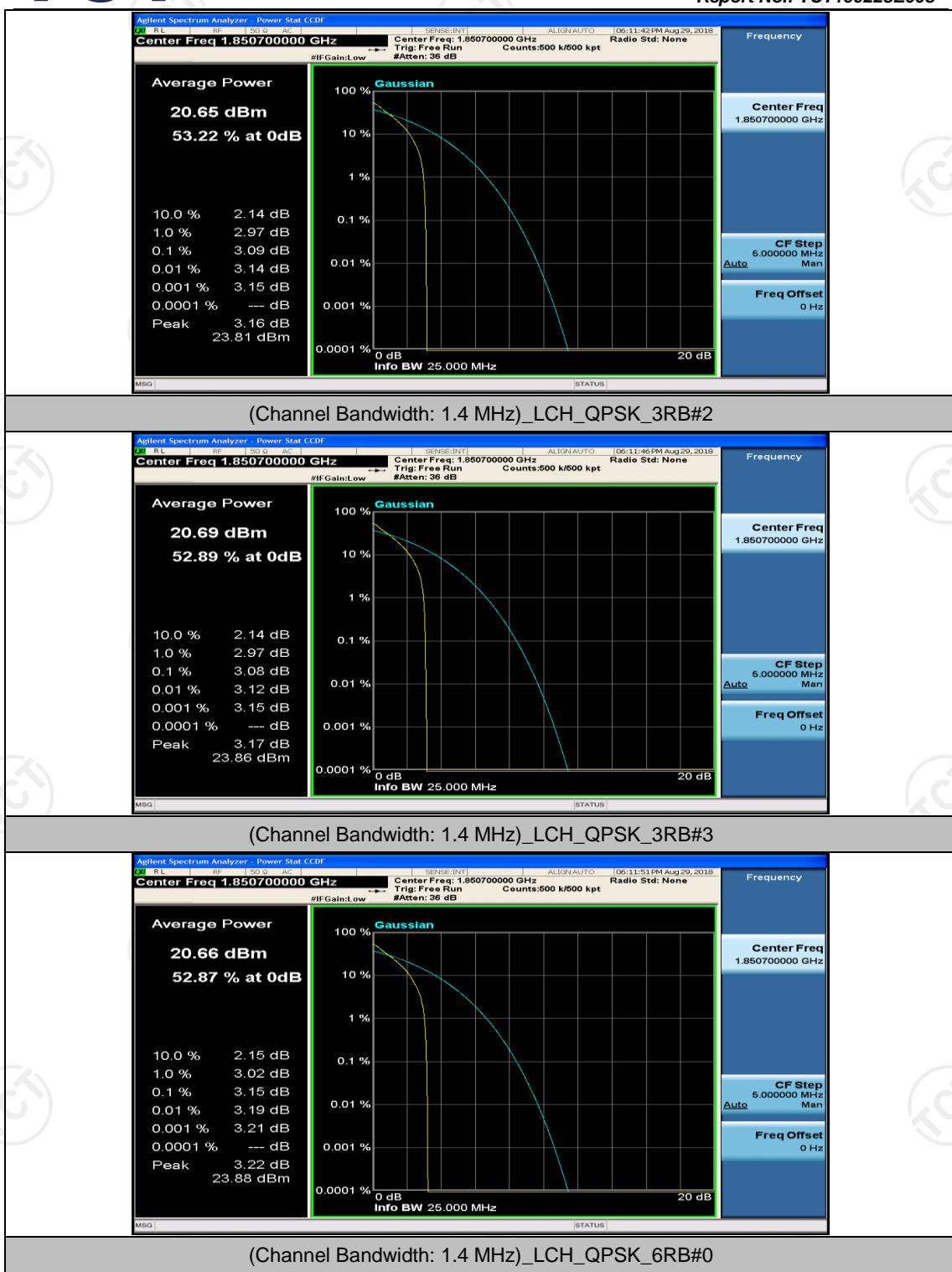
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.88	<13	PASS
		1	49	3.35	<13	PASS
		1	99	2.30	<13	PASS

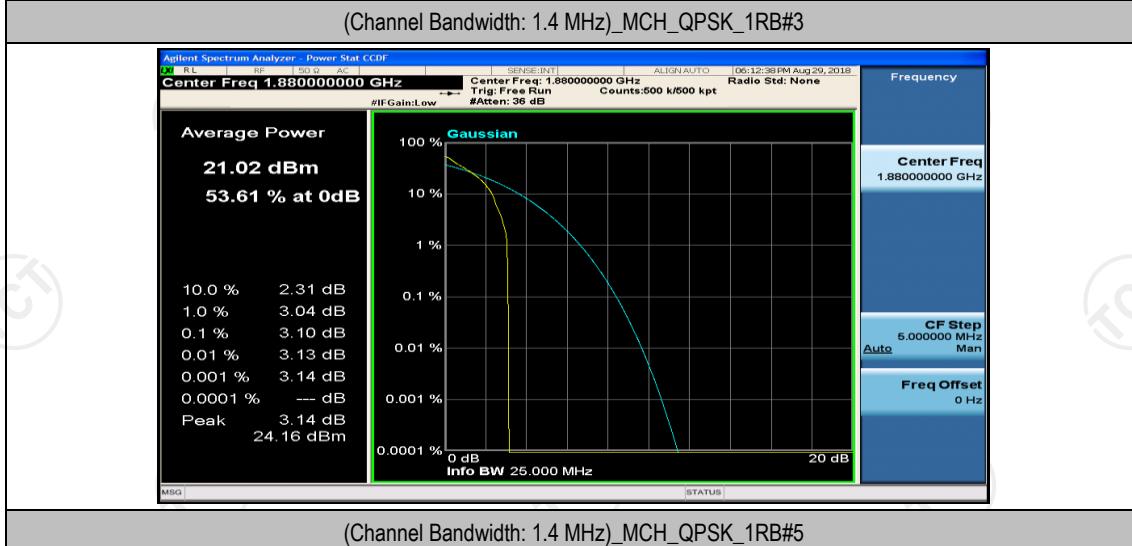
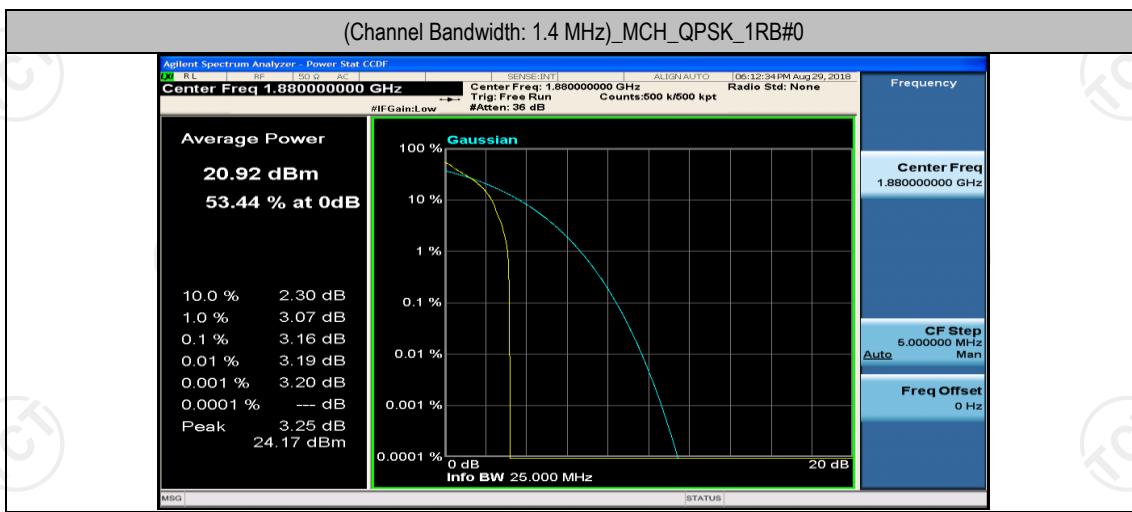
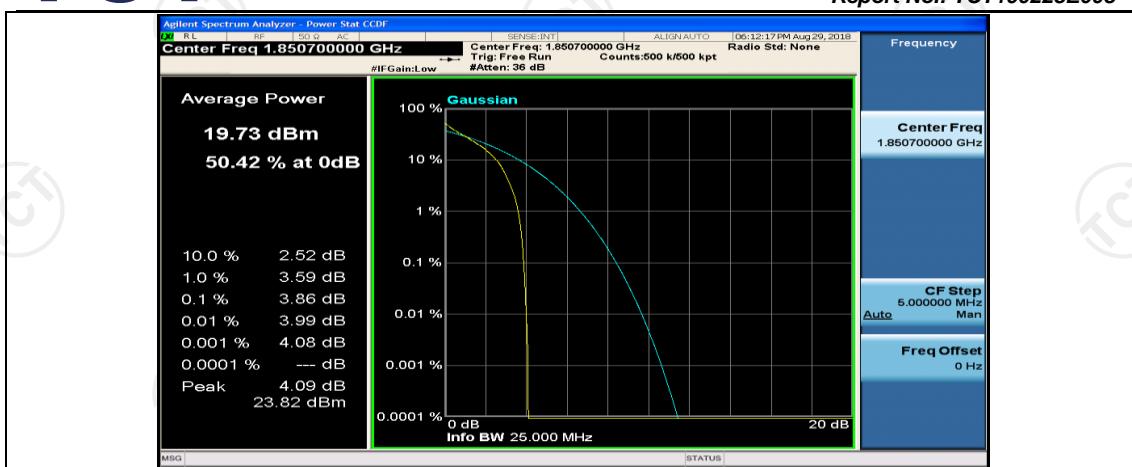
		50	0	4.11	<13	PASS
		50	25	3.97	<13	PASS
		50	50	3.86	<13	PASS
		100	0	4.43	<13	PASS
	MCH	1	0	2.48	<13	PASS
		1	49	3.20	<13	PASS
		1	99	2.68	<13	PASS
		50	0	3.83	<13	PASS
		50	25	4.01	<13	PASS
		50	50	4.00	<13	PASS
		100	0	4.42	<13	PASS
		1	0	2.84	<13	PASS
	HCH	1	49	3.75	<13	PASS
		1	99	2.61	<13	PASS
		50	0	4.34	<13	PASS
		50	25	4.41	<13	PASS
		50	50	4.29	<13	PASS
		100	0	4.79	<13	PASS
		1	0	3.52	<13	PASS
		1	49	4.02	<13	PASS
	LCH	1	99	2.96	<13	PASS
		50	0	4.98	<13	PASS
		50	25	4.87	<13	PASS
		50	50	4.73	<13	PASS
		100	0	5.21	<13	PASS
	MCH	1	0	3.17	<13	PASS
		1	49	3.92	<13	PASS
		1	99	3.33	<13	PASS
		50	0	4.73	<13	PASS
		50	25	4.91	<13	PASS
		50	50	4.88	<13	PASS
		100	0	5.23	<13	PASS
	HCH	1	0	3.58	<13	PASS
		1	49	4.45	<13	PASS
		1	99	3.27	<13	PASS
		50	0	5.25	<13	PASS
		50	25	5.35	<13	PASS
		50	50	5.23	<13	PASS
		100	0	5.65	<13	PASS

## Test Graphs

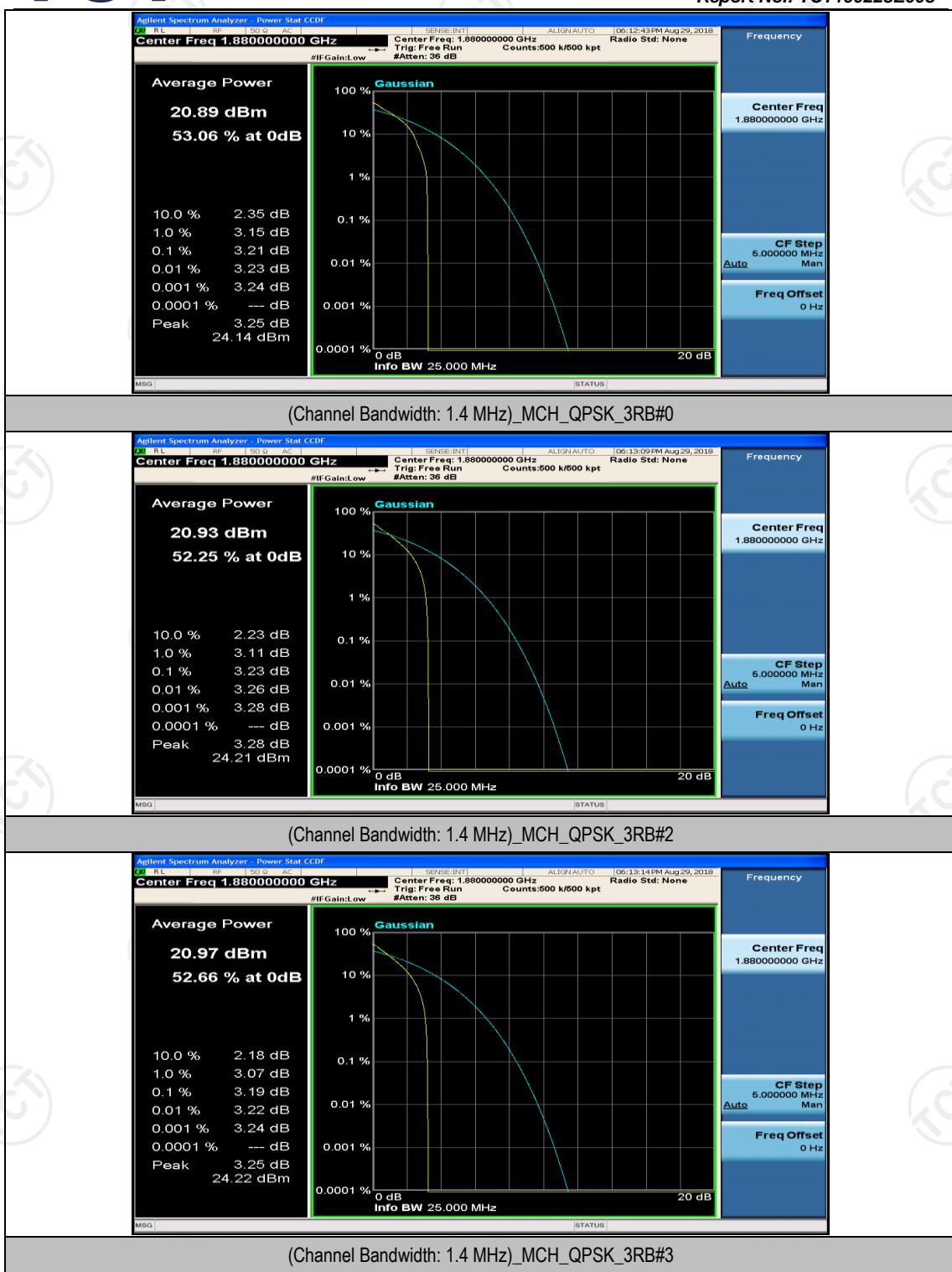
### Channel Bandwidth: 1.4 MHz

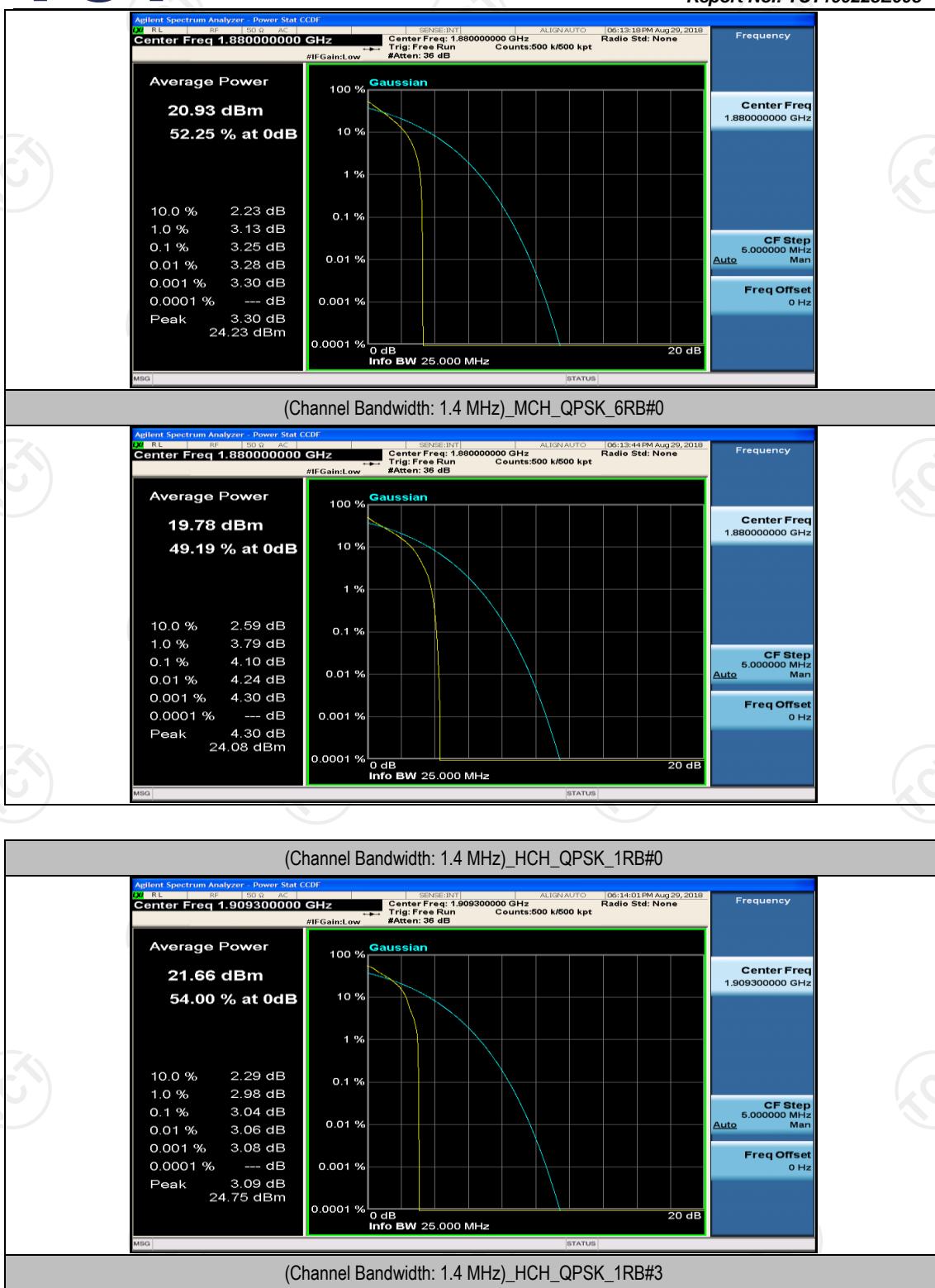


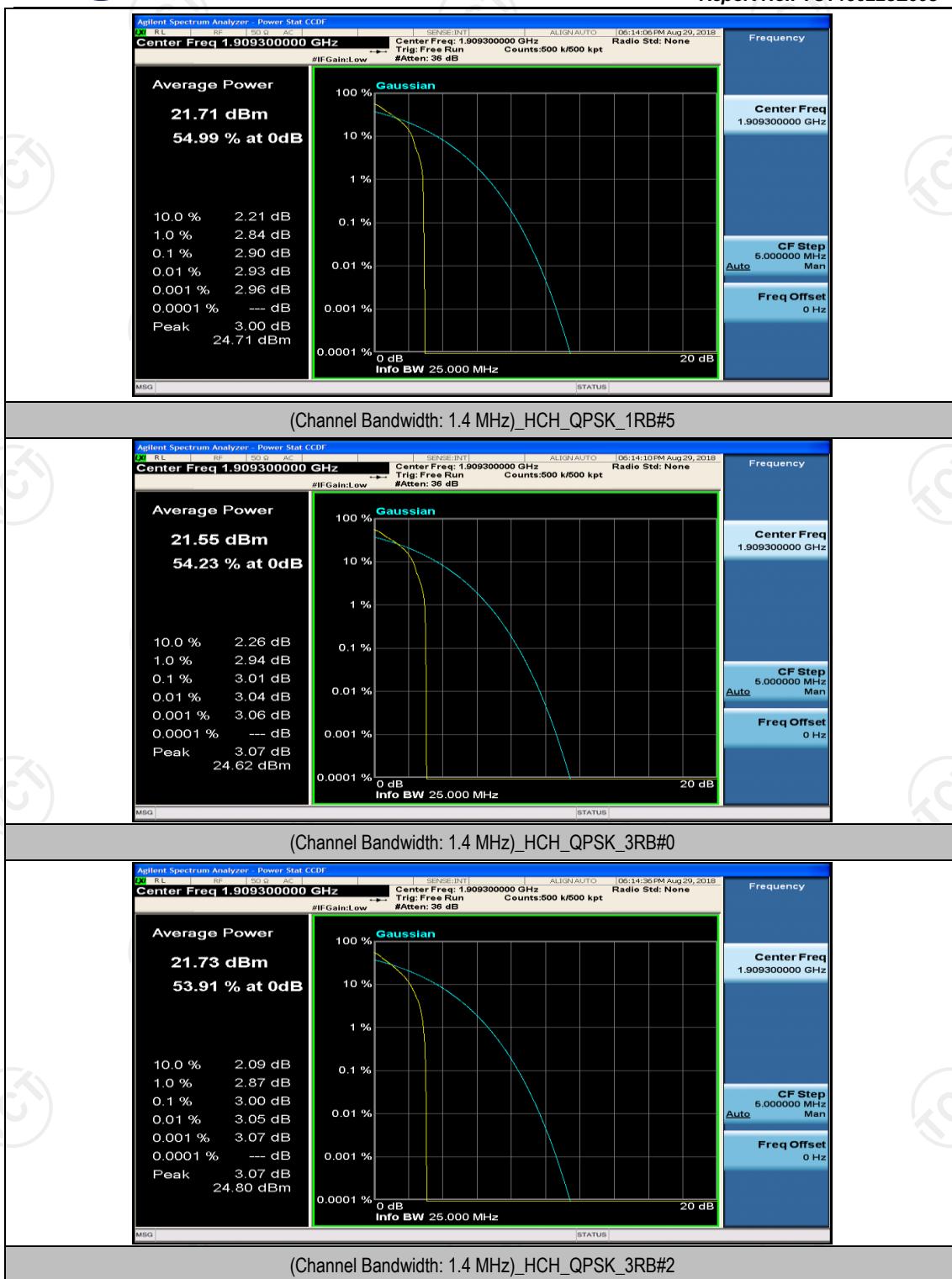


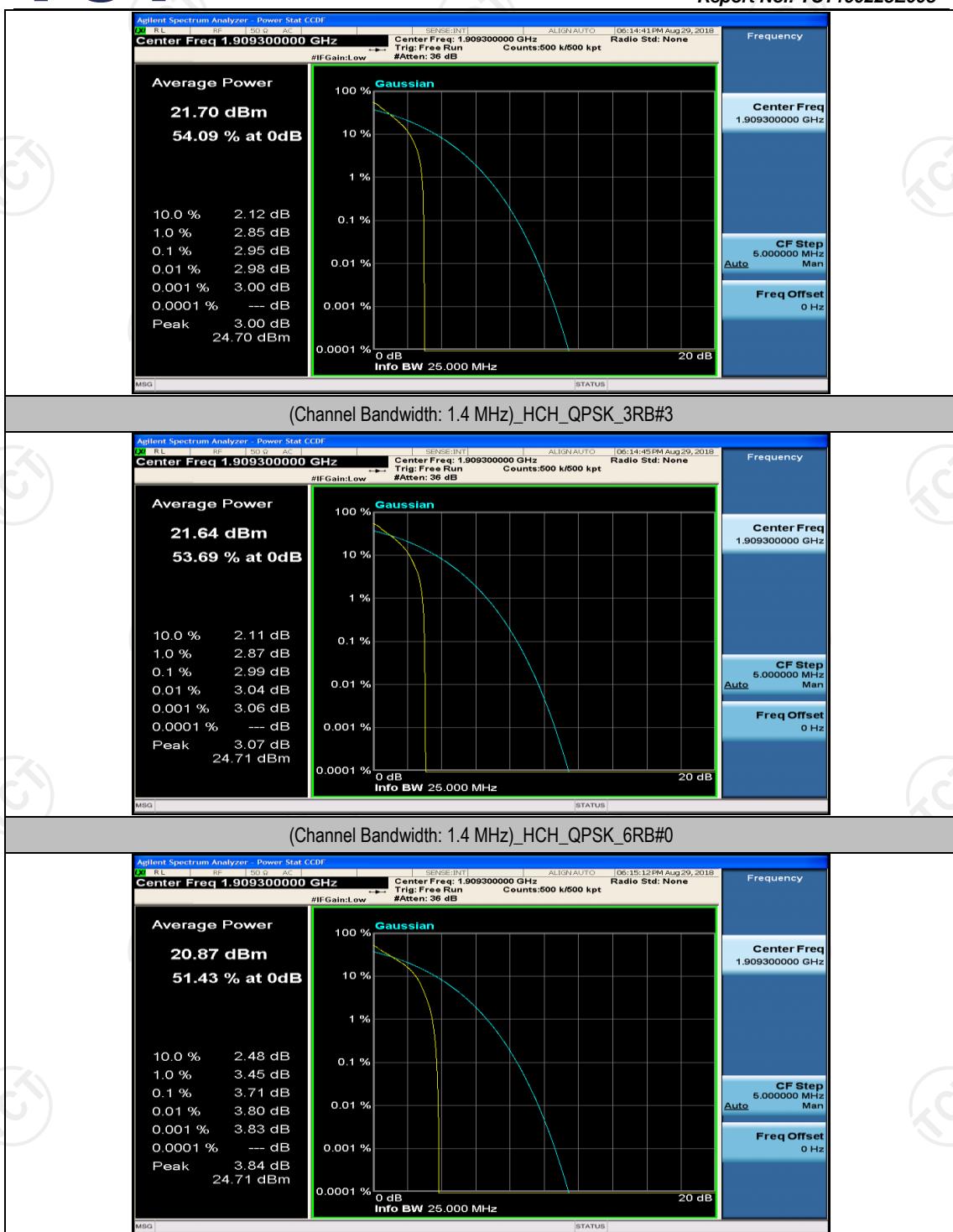


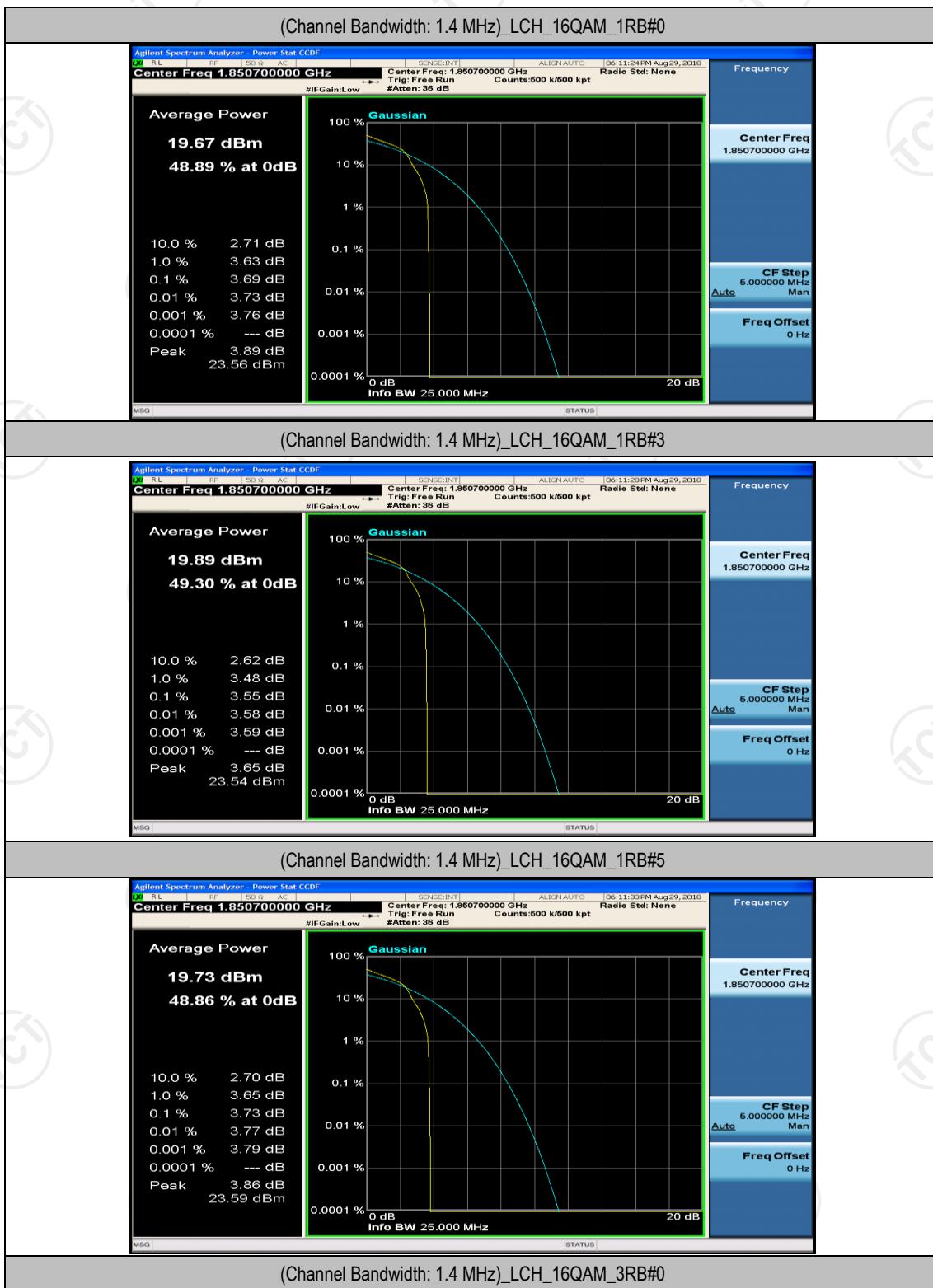
**(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5**

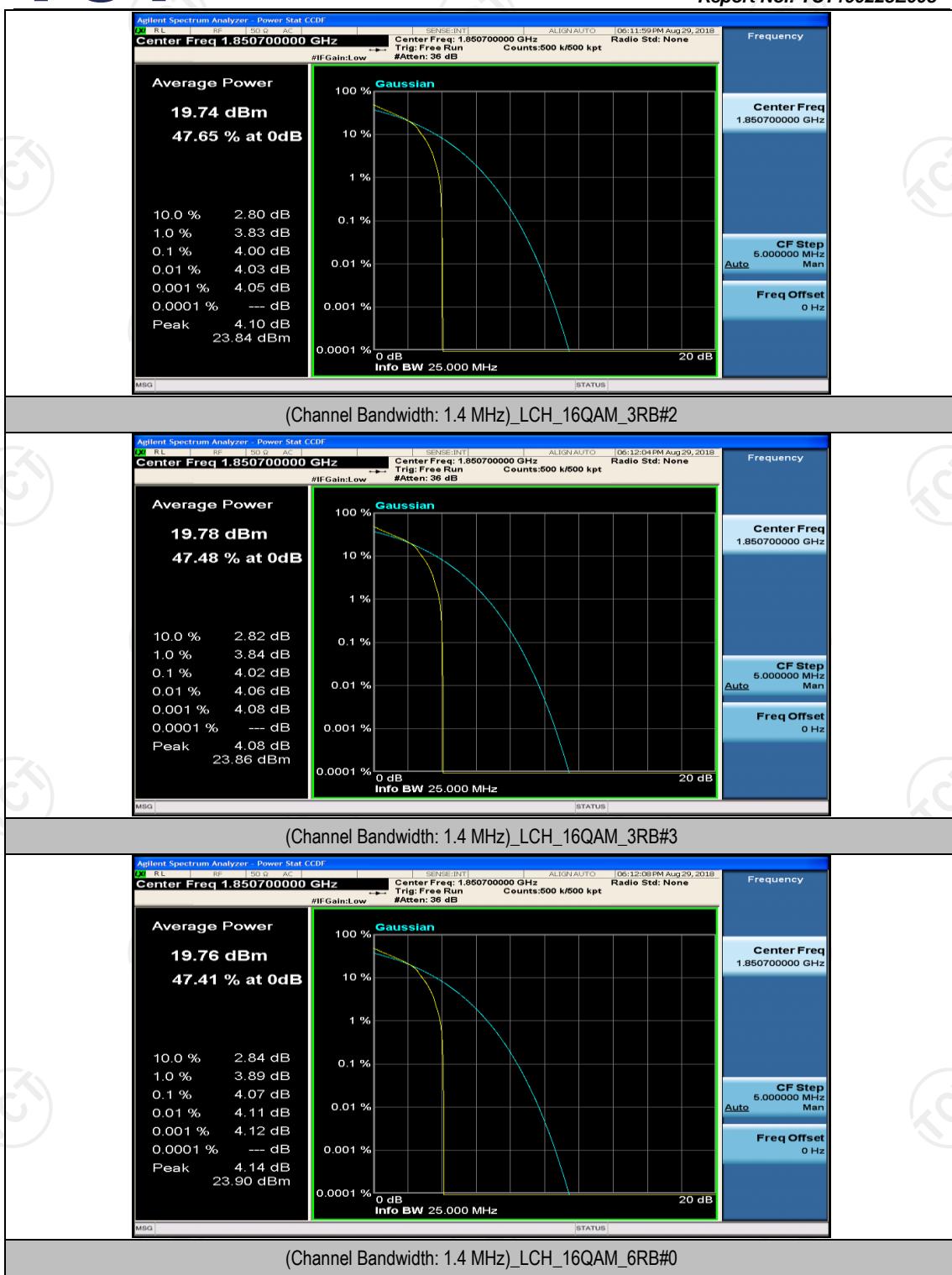


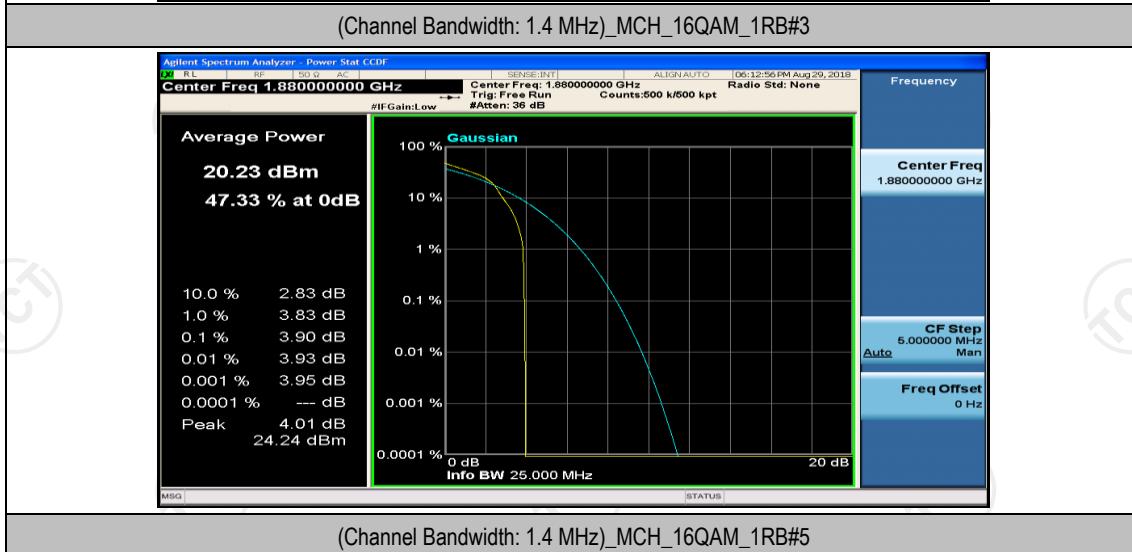
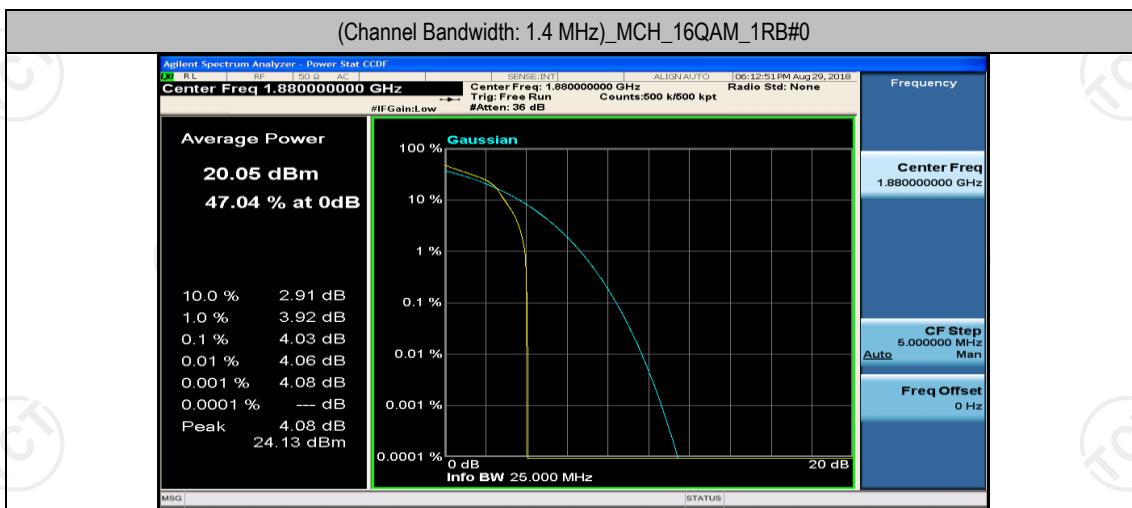




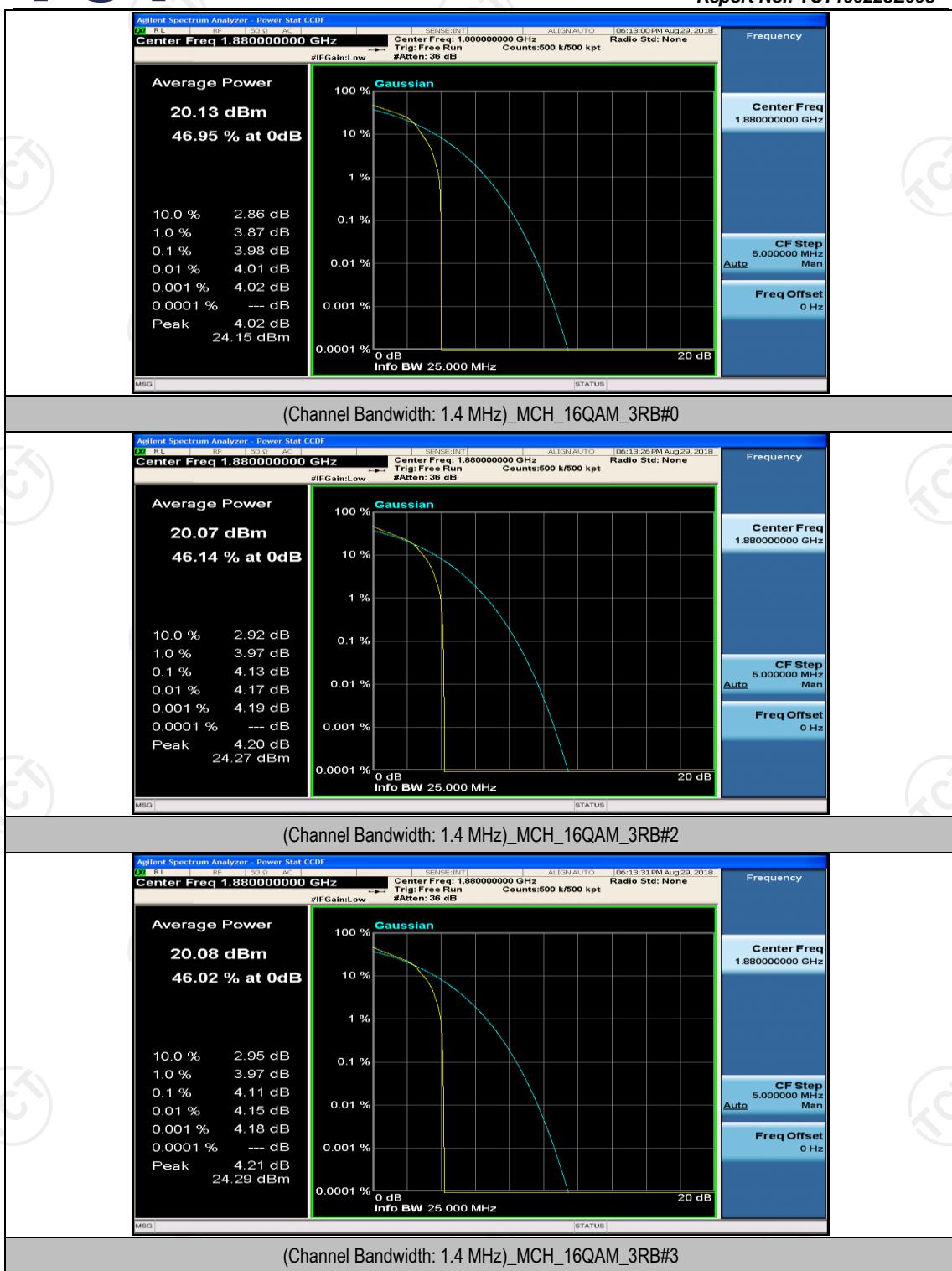


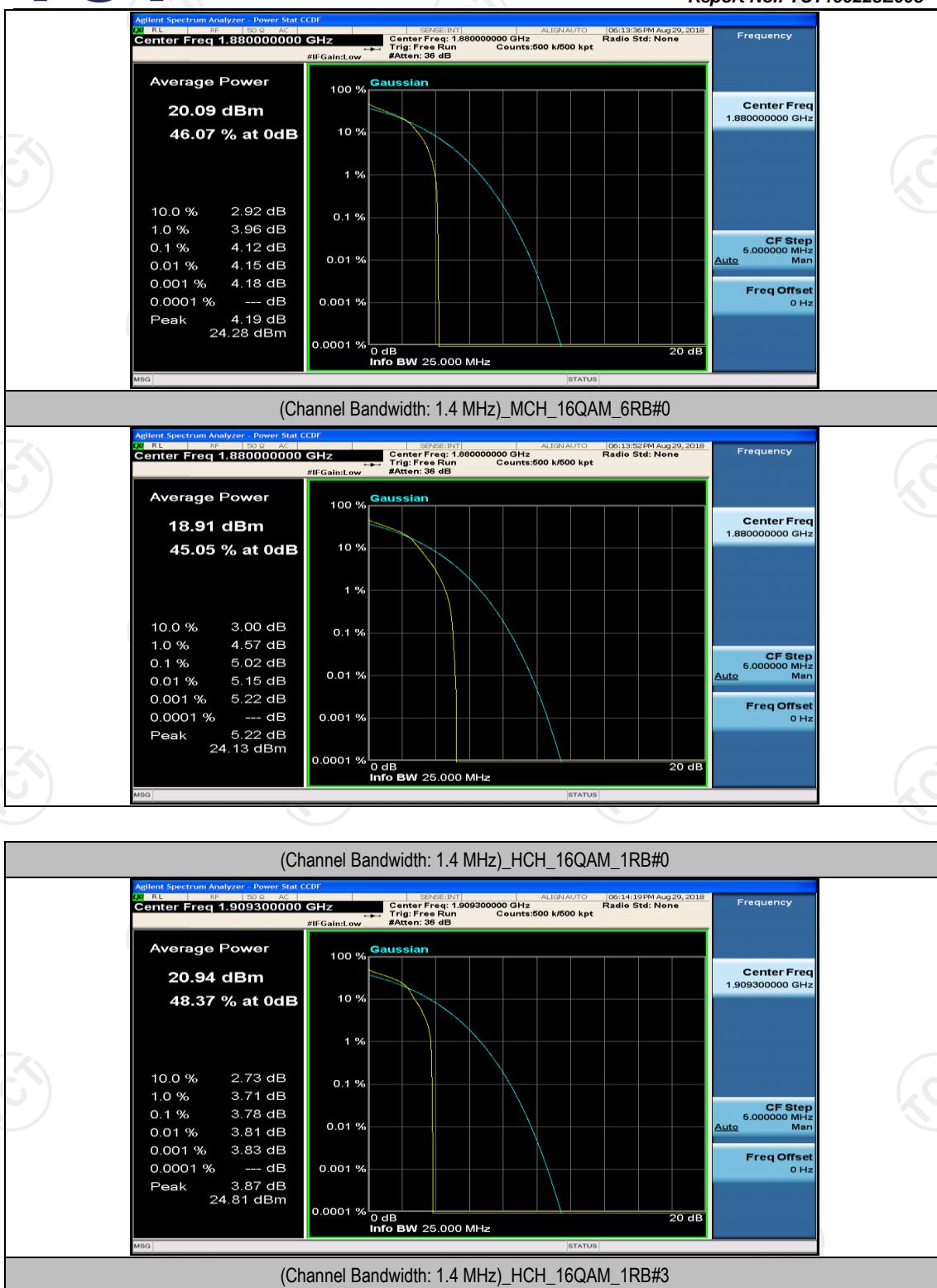


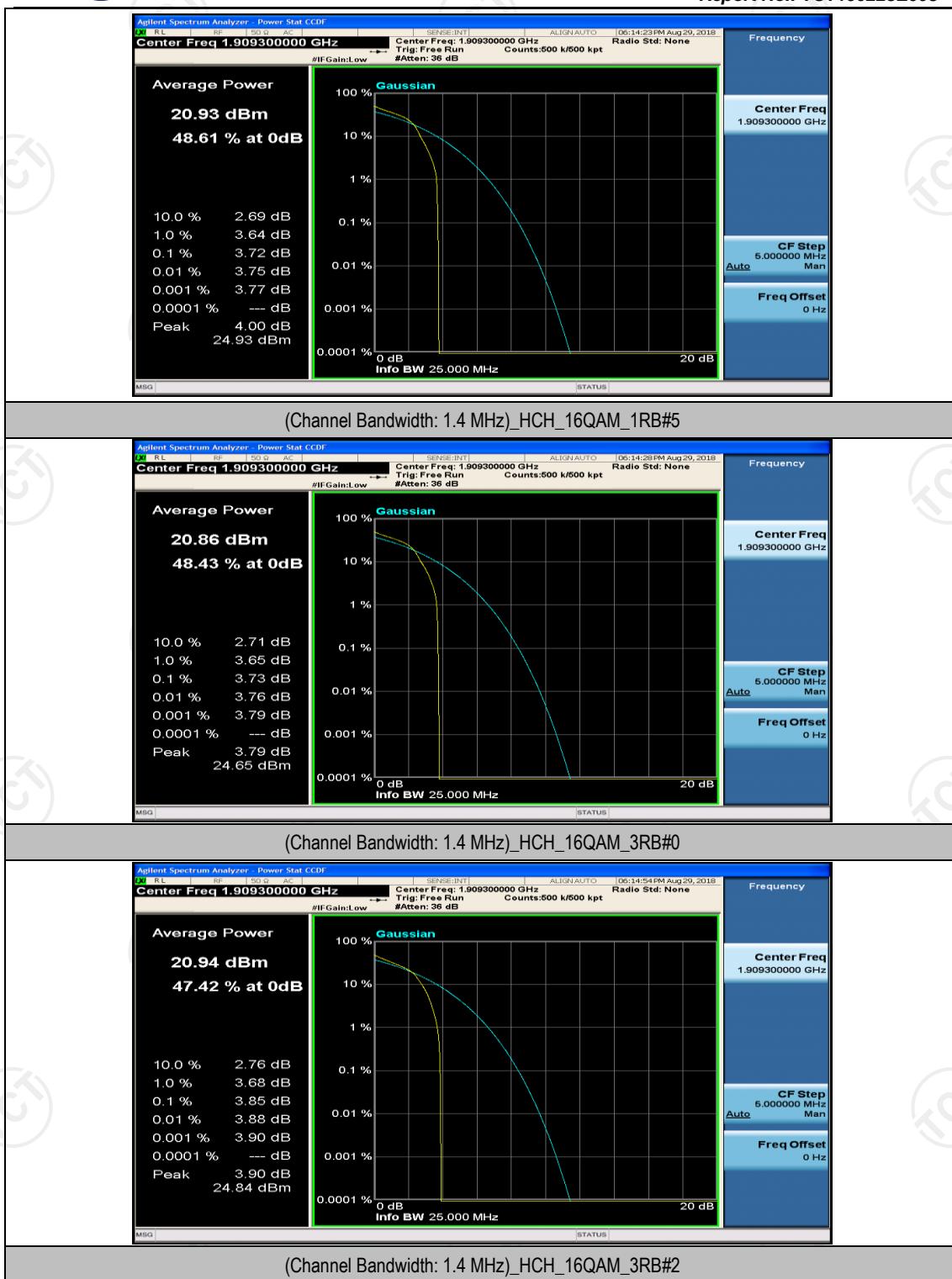


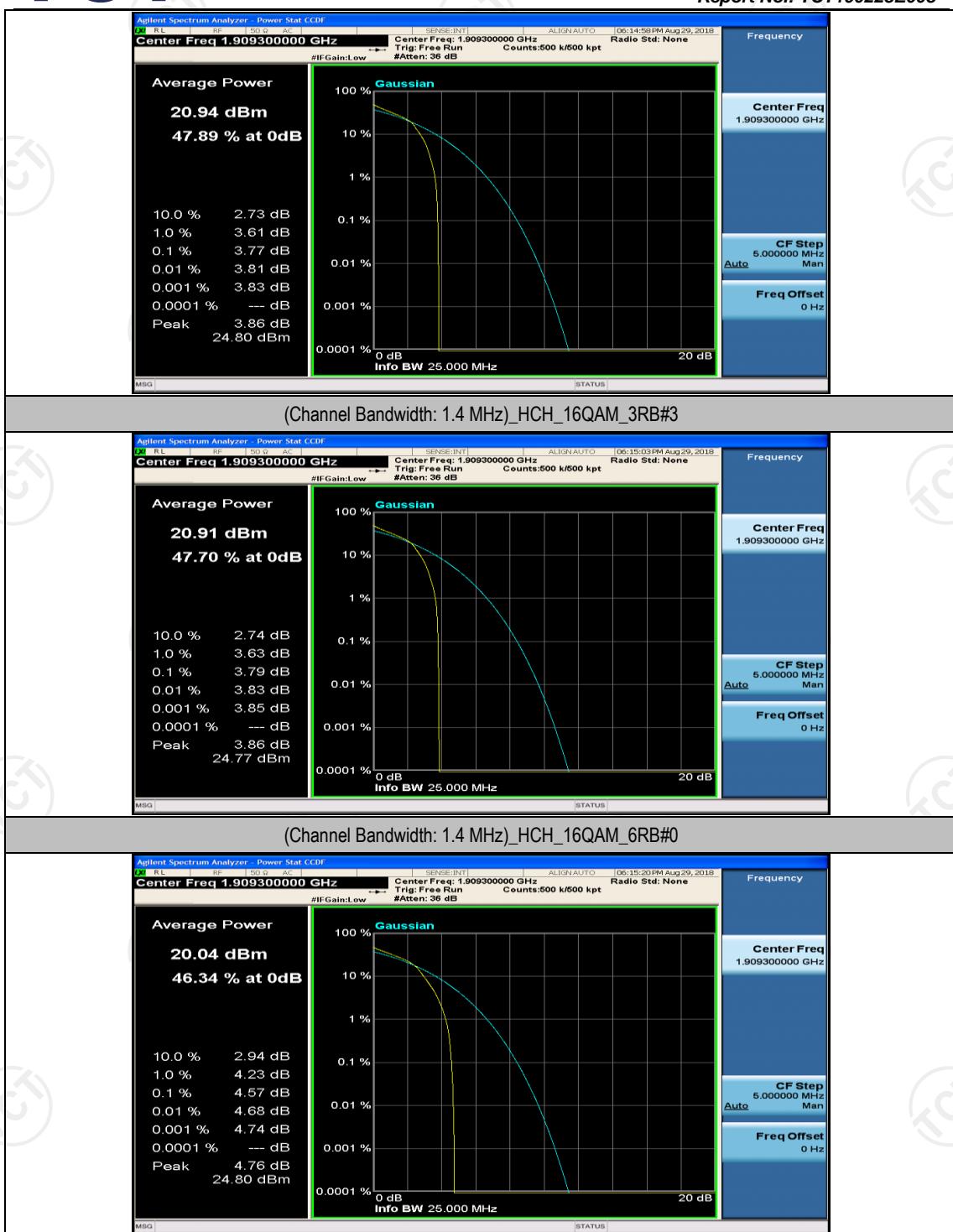


**(Channel Bandwidth: 1.4 MHz) MCH\_16QAM\_1RB#5**

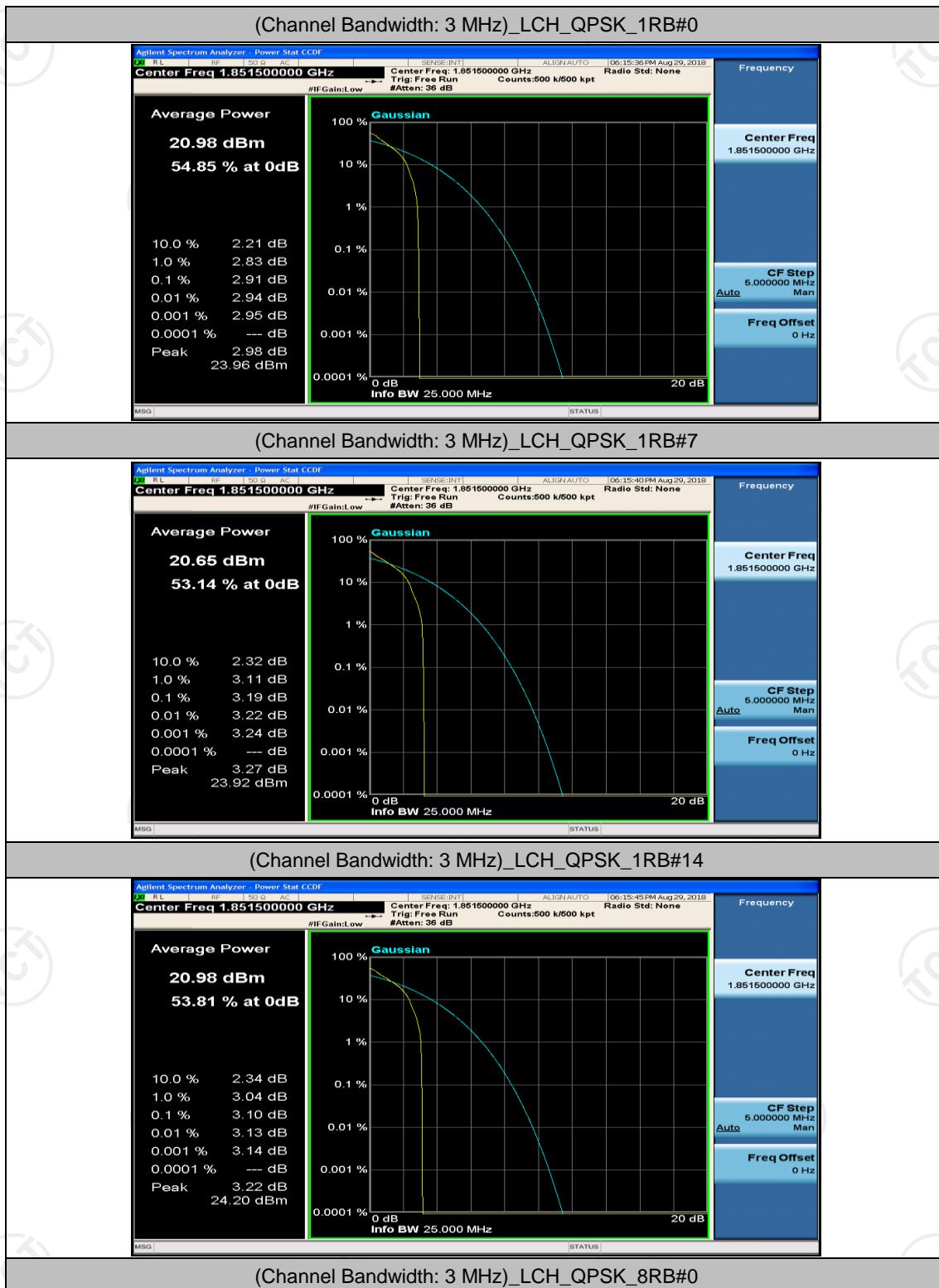


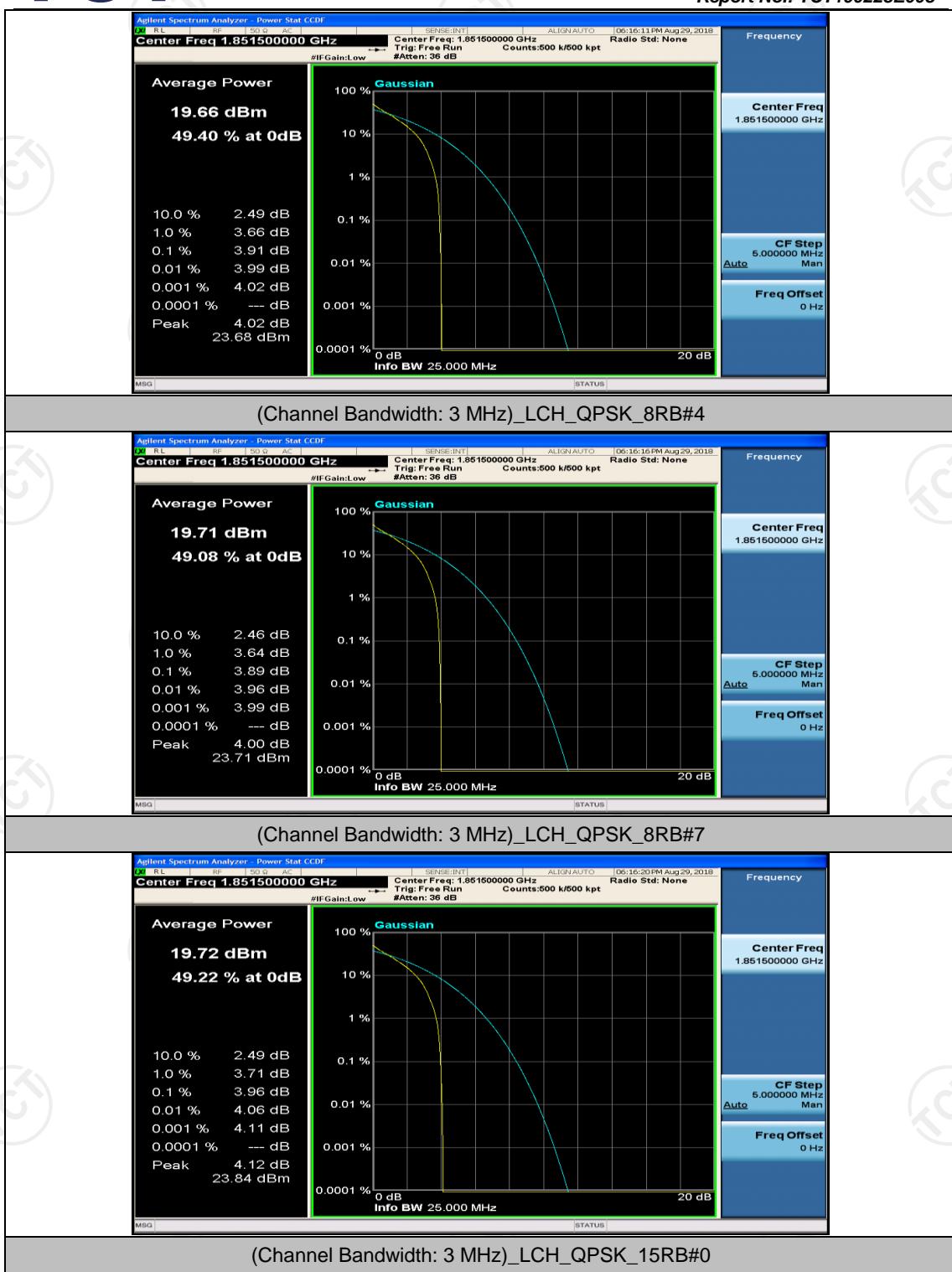


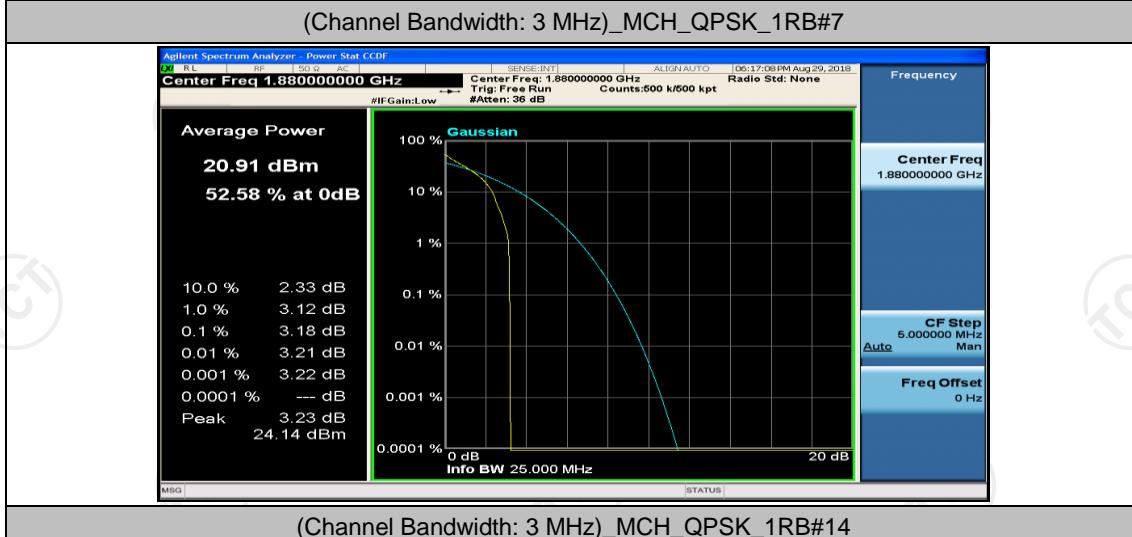
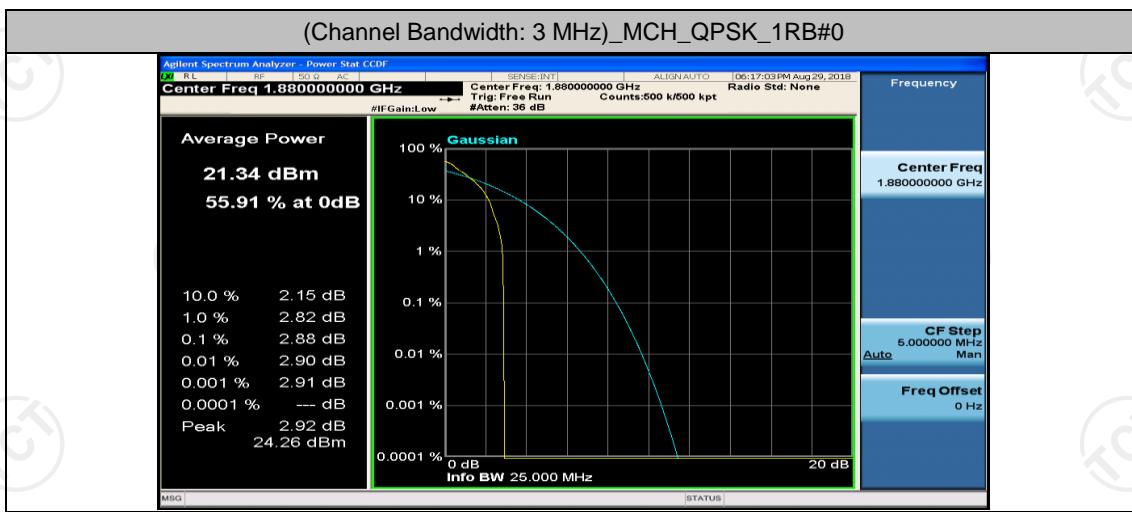
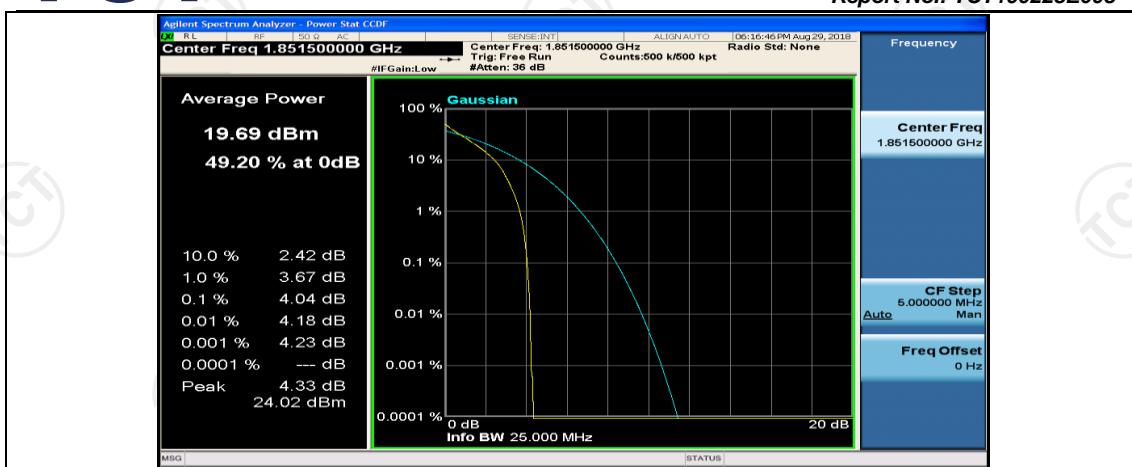


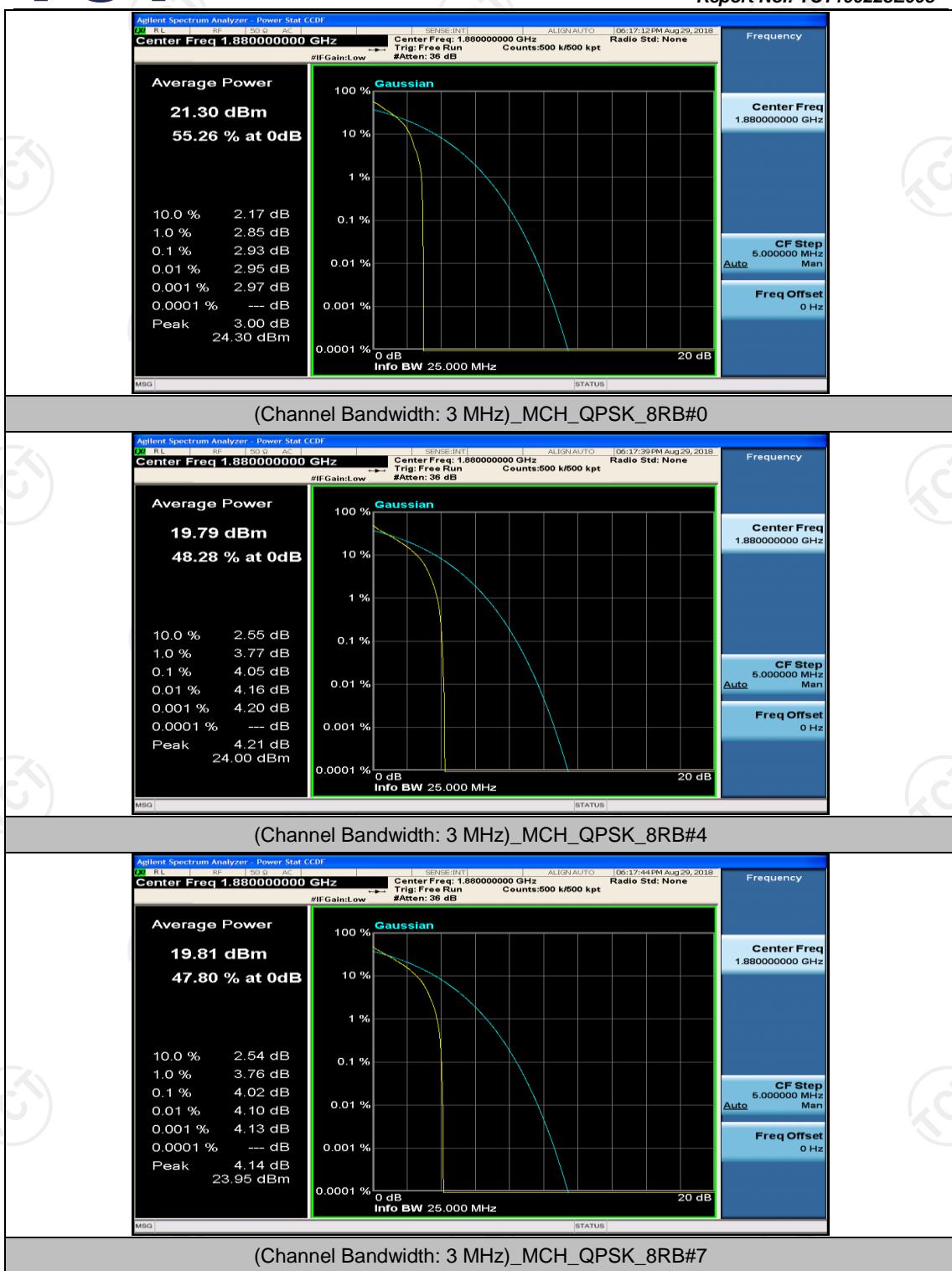


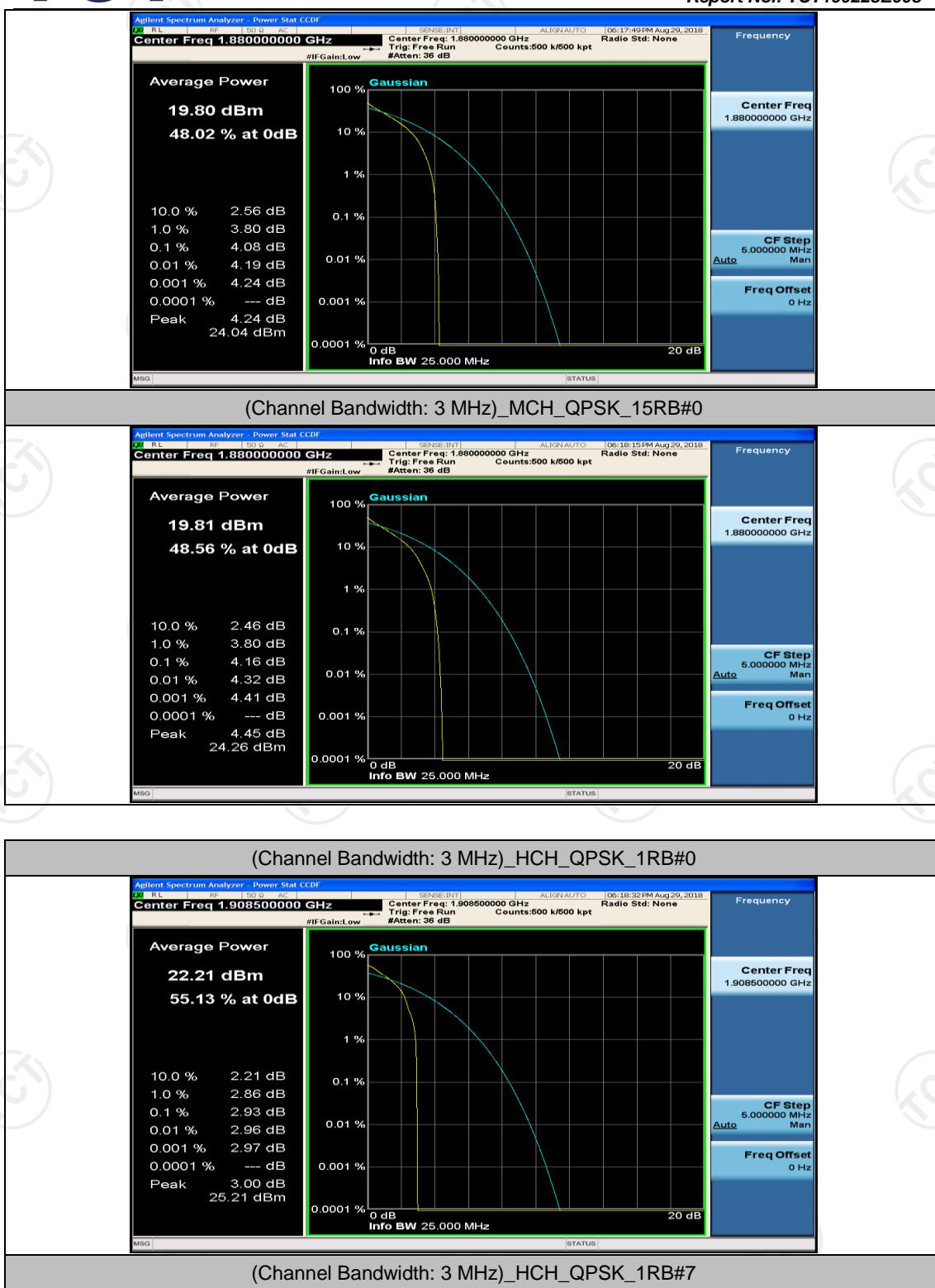
## Channel Bandwidth: 3 MHz

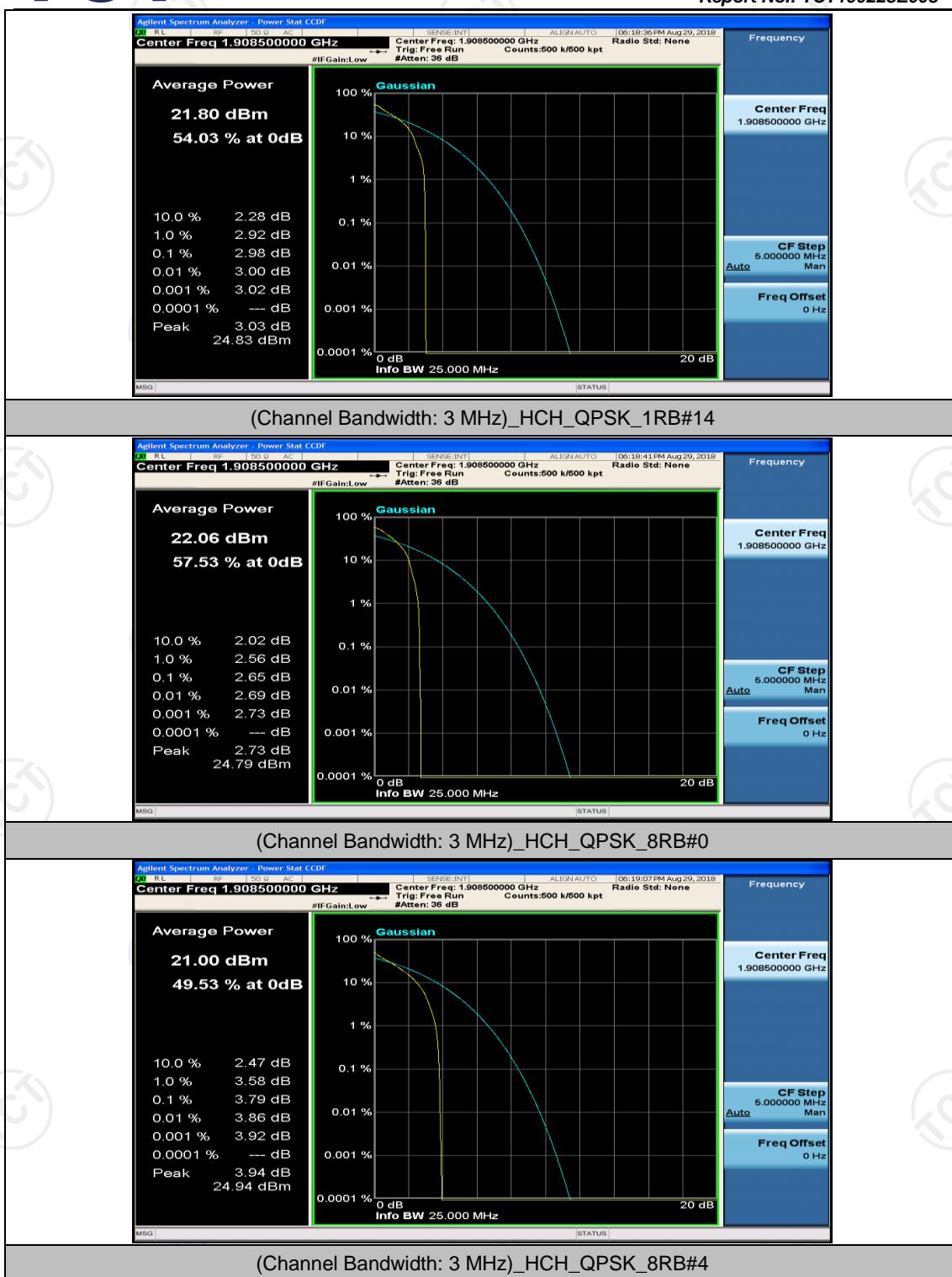


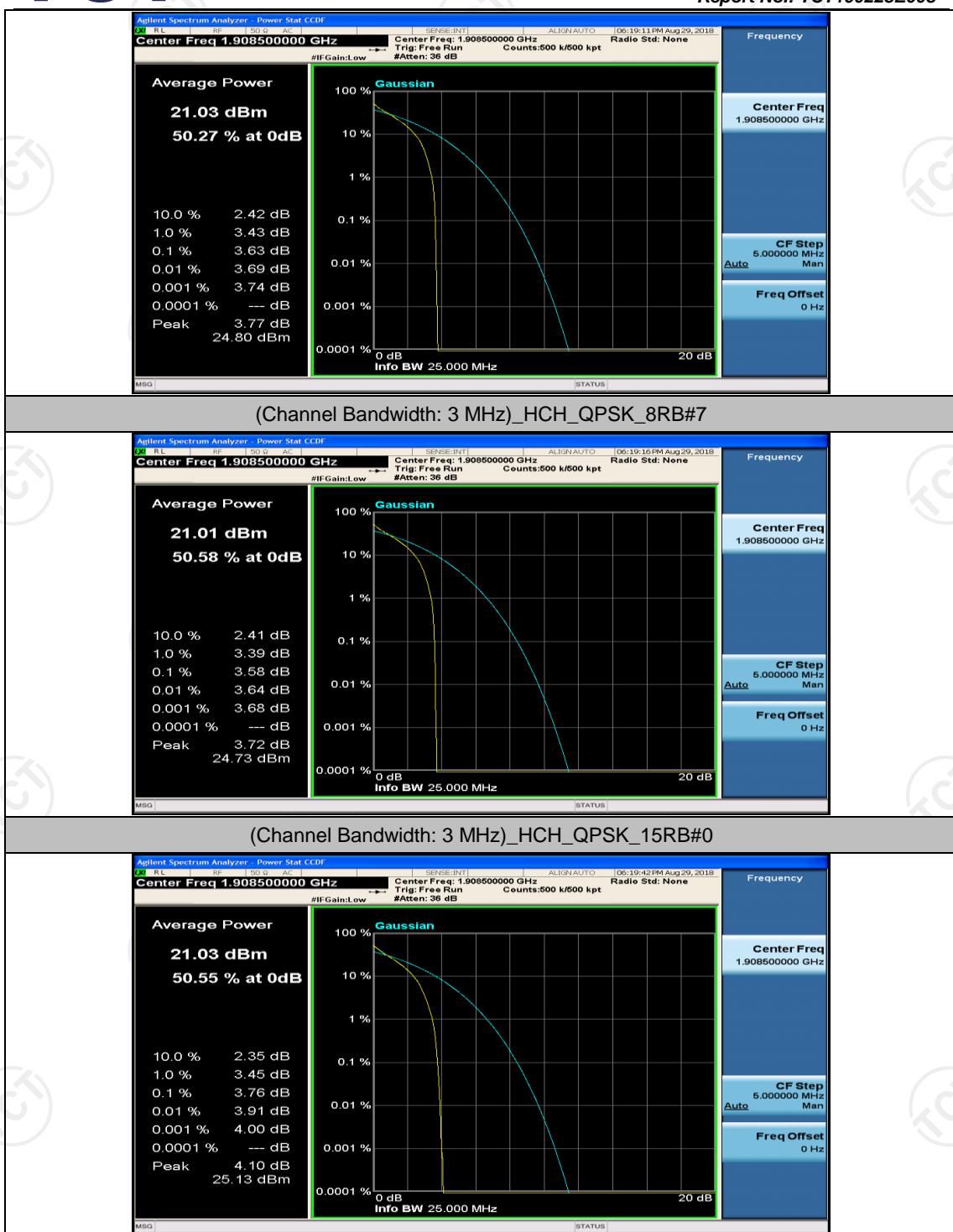


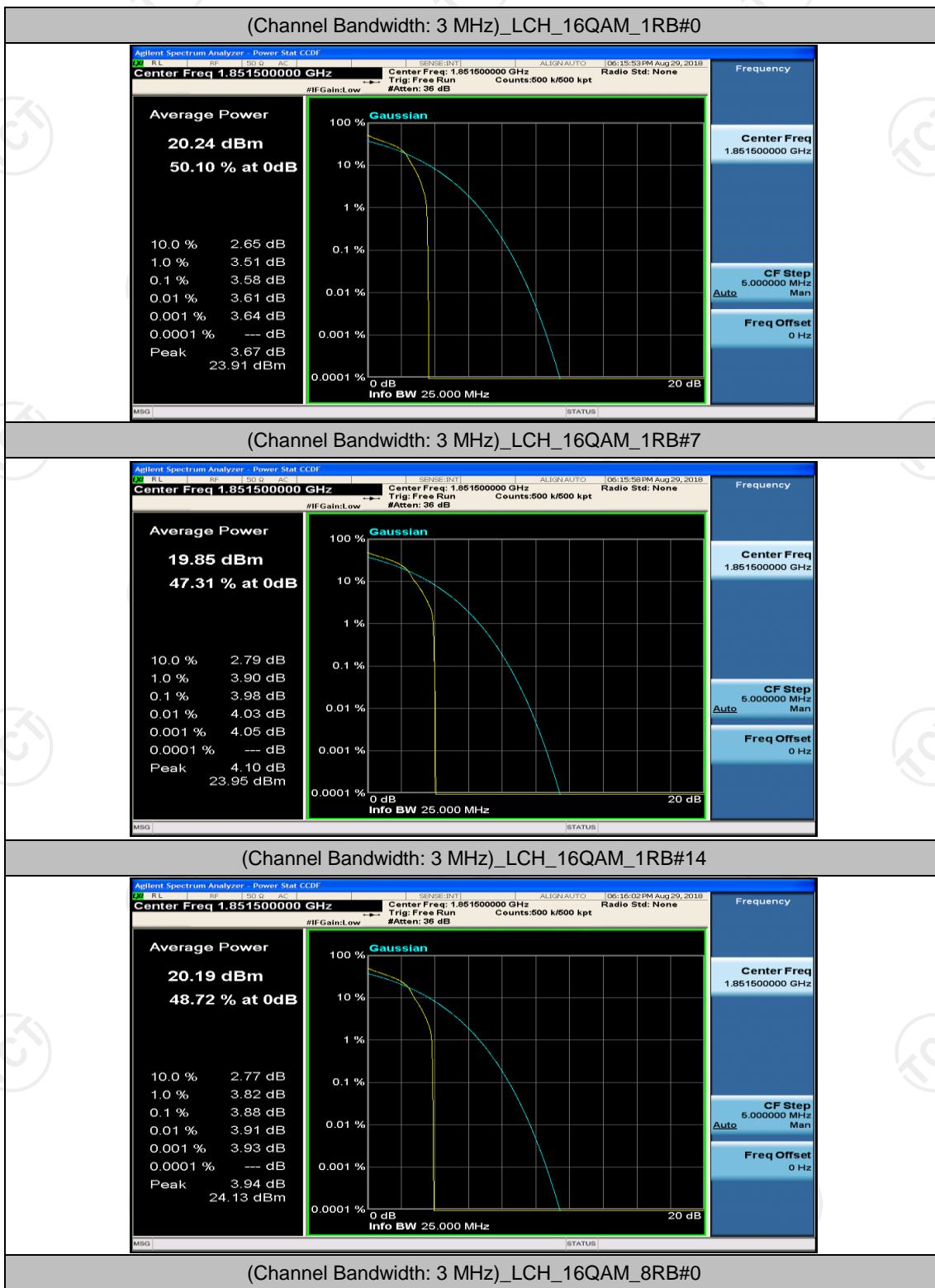


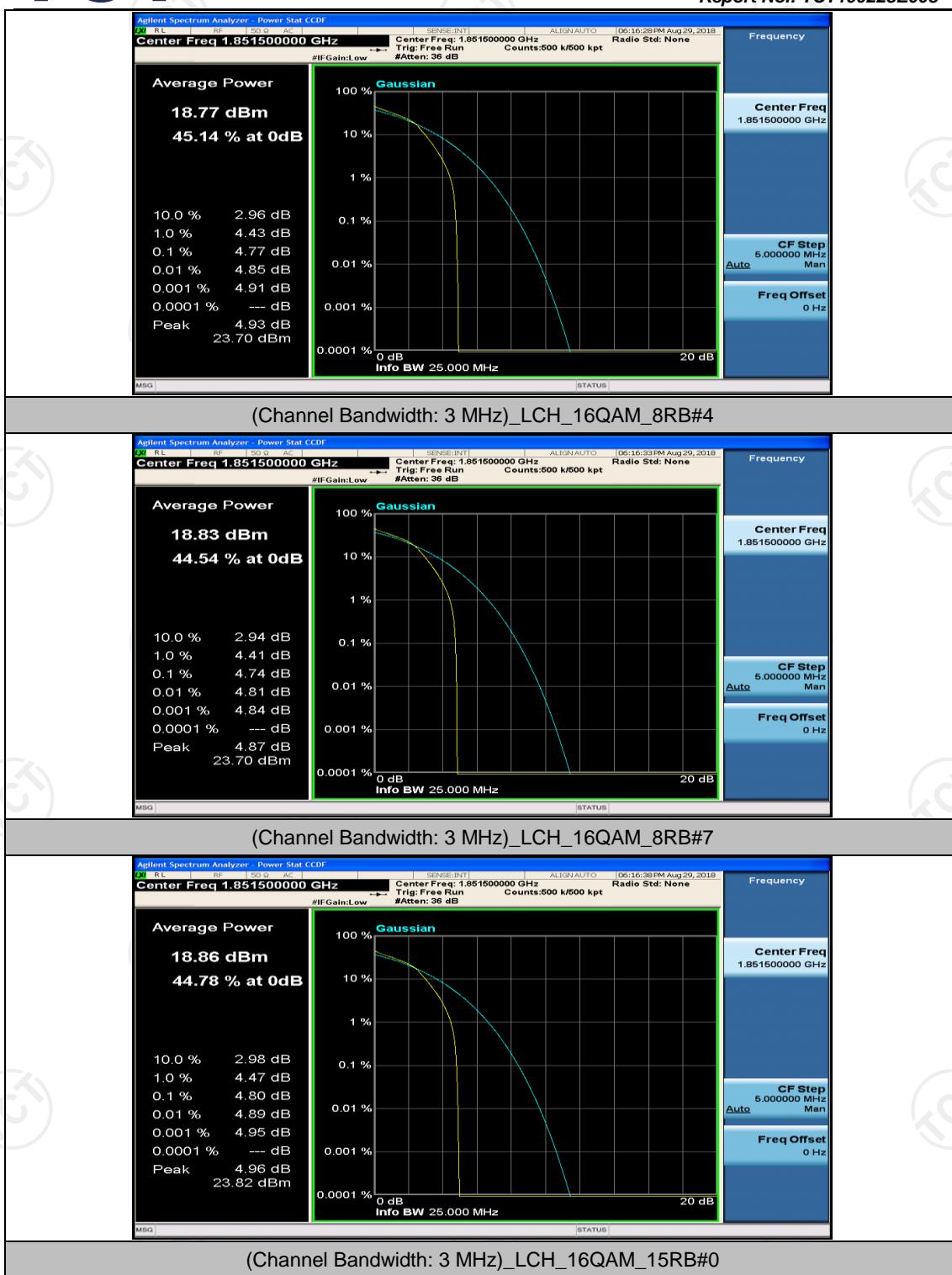


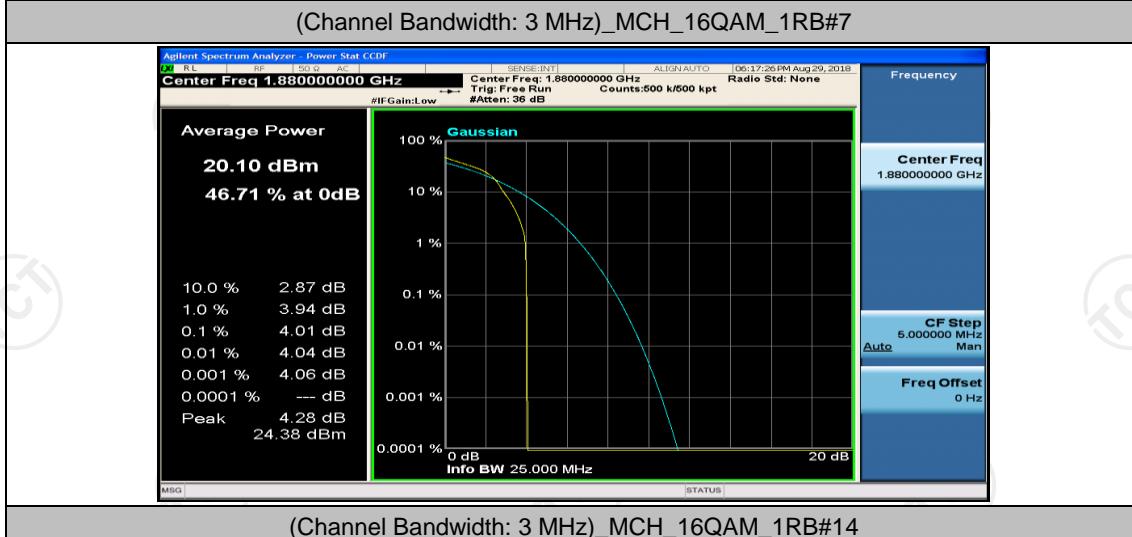
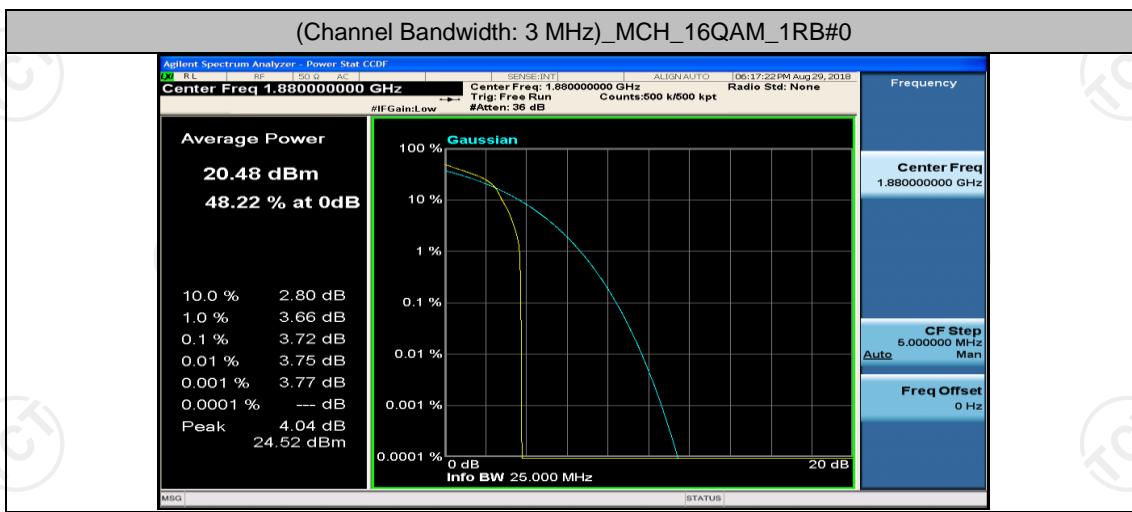
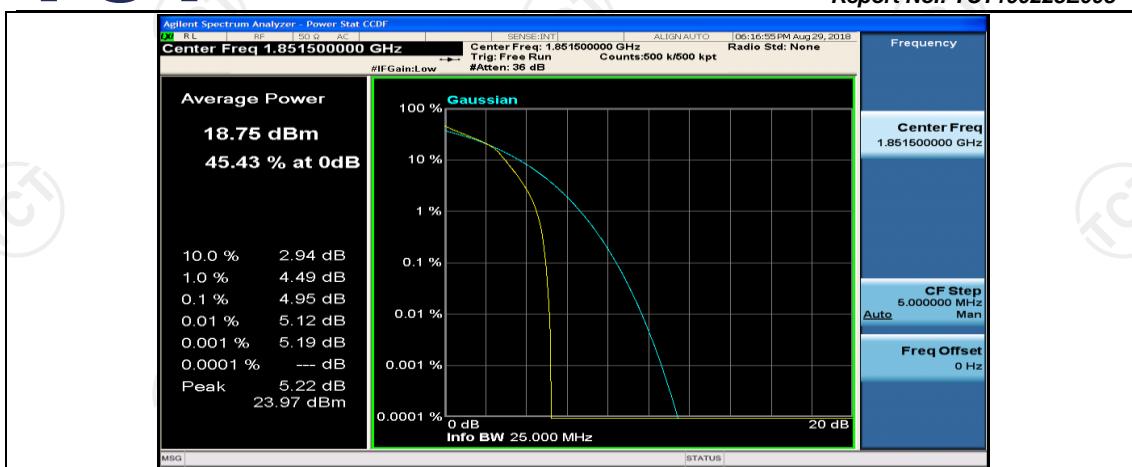


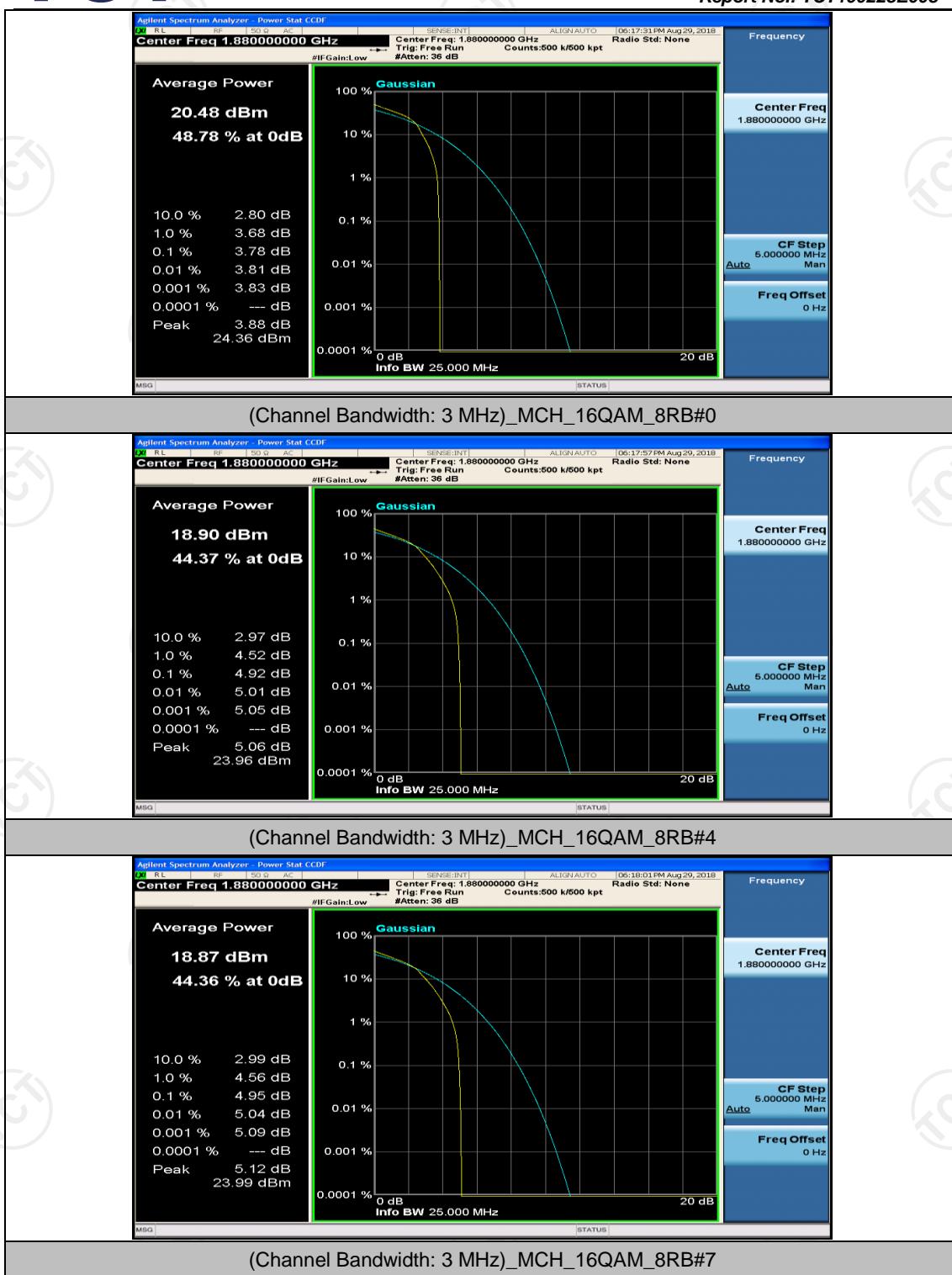


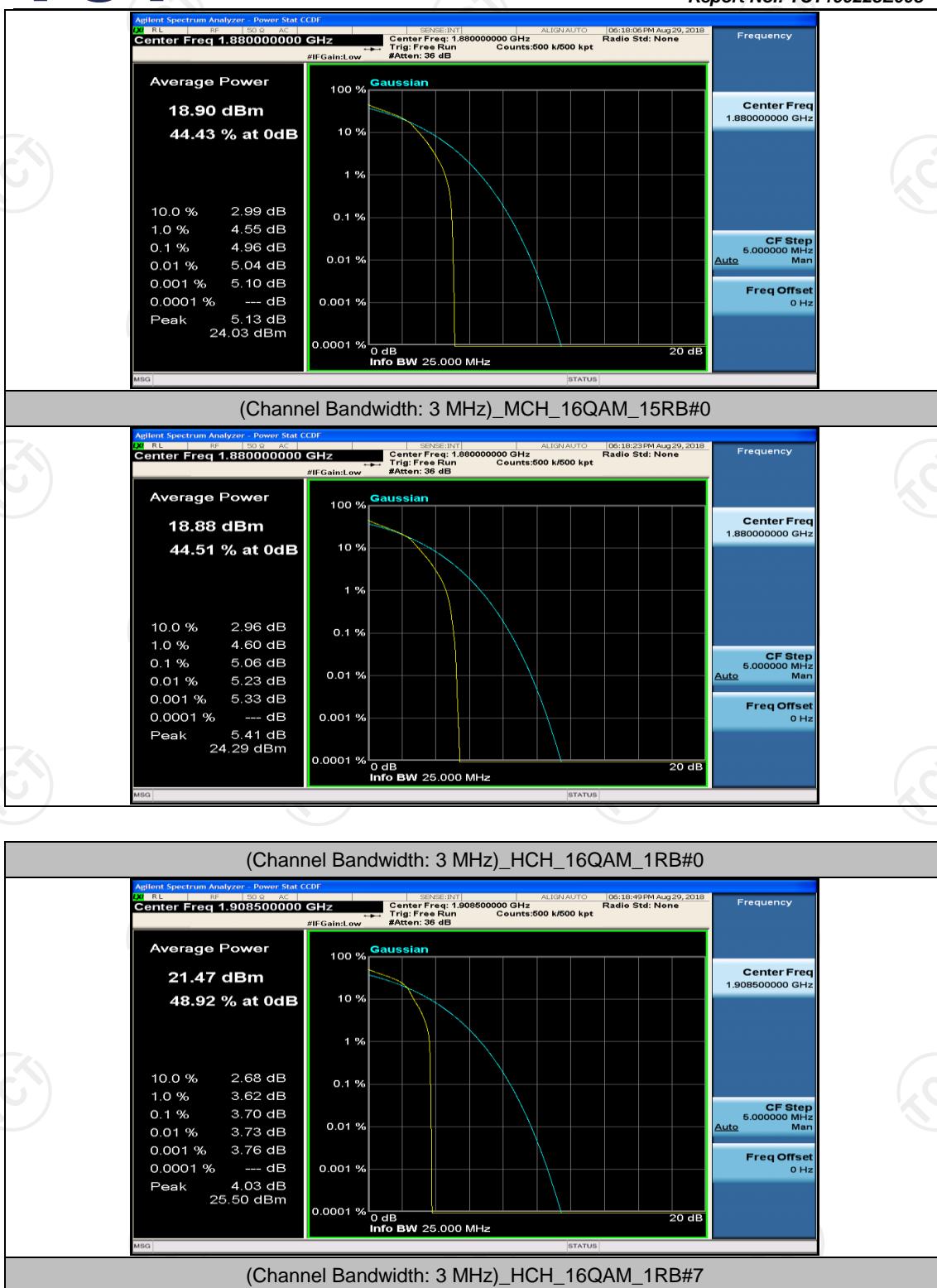


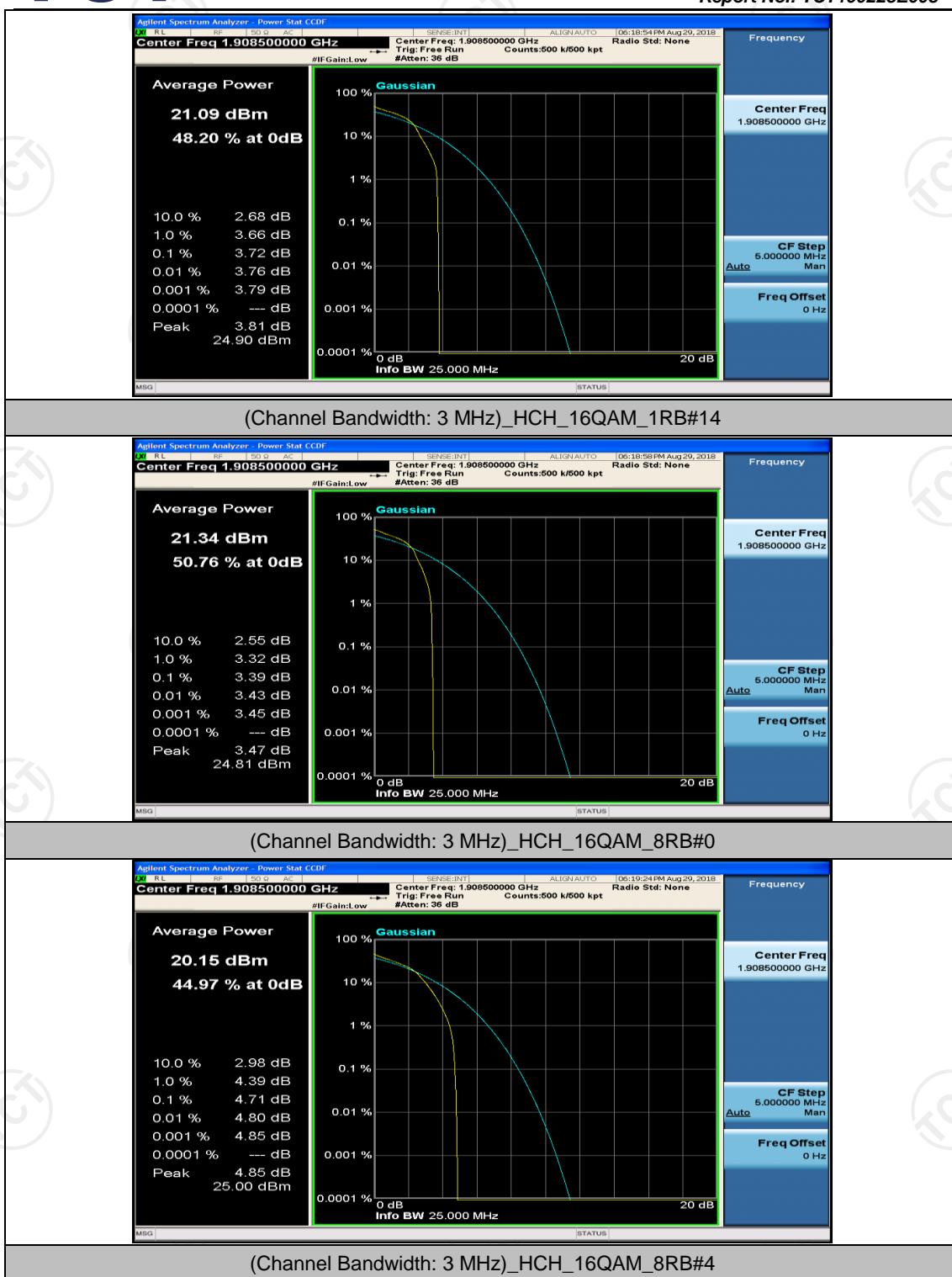


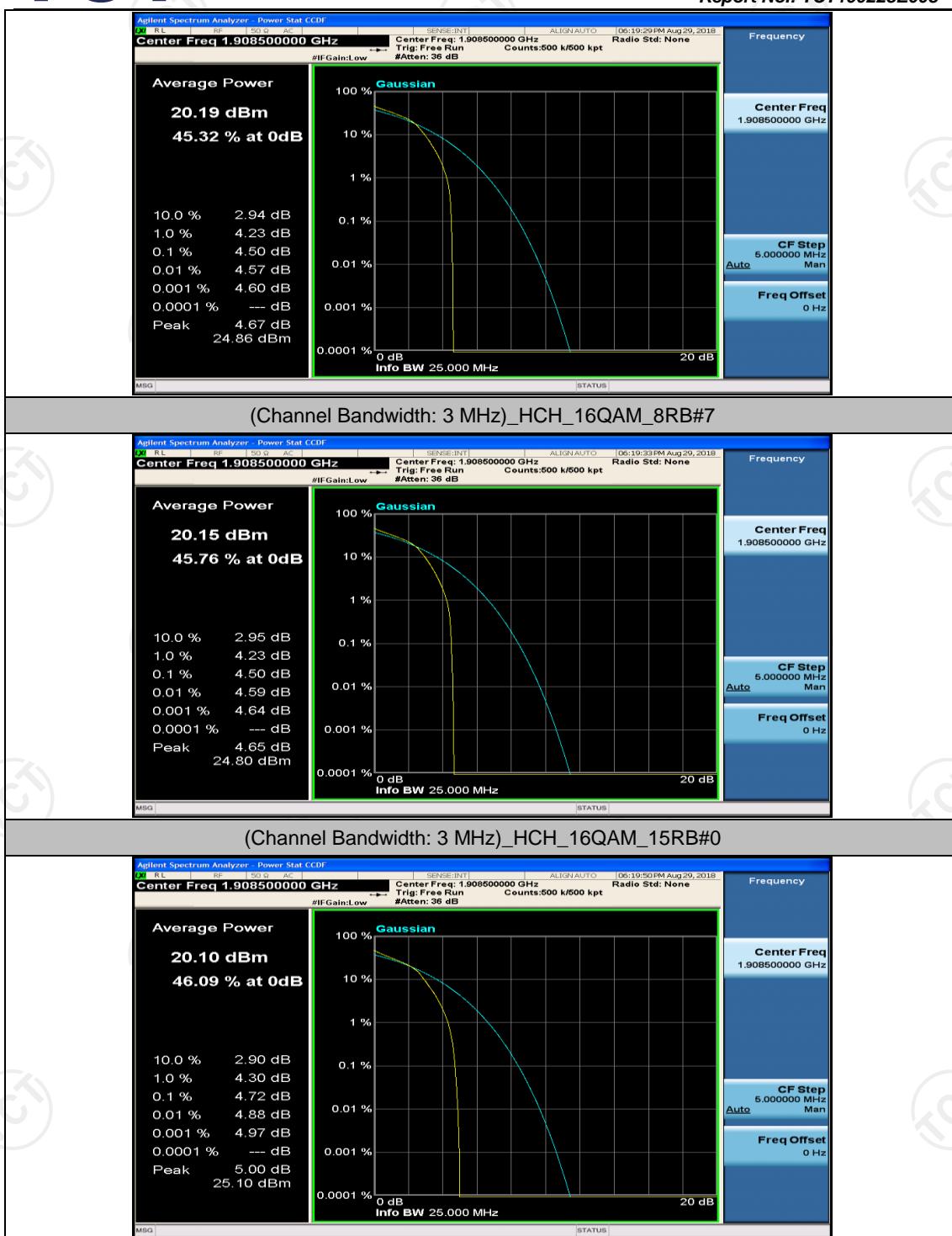












## Channel Bandwidth: 5 MHz

