

## 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	22.45	24.35	PASS
		1	3	<b>22.46</b>	<b>24.36</b>	PASS
		1	5	22.35	24.25	PASS
		3	0	22.42	24.32	PASS
		3	2	22.43	24.33	PASS
		3	3	22.40	24.30	PASS
		6	0	21.39	23.29	PASS
	MCH	1	0	22.22	24.12	PASS
		1	3	22.18	24.08	PASS
		1	5	22.10	24.00	PASS
		3	0	22.26	24.16	PASS
		3	2	22.19	24.09	PASS
		3	3	22.15	24.05	PASS
		6	0	21.19	23.09	PASS
16QAM	LCH	1	0	22.43	24.33	PASS
		1	3	22.33	24.23	PASS
		1	5	22.13	24.03	PASS
		3	0	22.39	24.29	PASS
		3	2	22.29	24.19	PASS
		3	3	22.20	24.10	PASS
		6	0	21.26	23.16	PASS
	MCH	1	0	21.68	23.58	PASS
		1	3	21.74	23.64	PASS
		1	5	21.62	23.52	PASS
		3	0	21.49	23.39	PASS
		3	2	21.55	23.45	PASS
		3	3	21.52	23.42	PASS
		6	0	20.57	22.47	PASS

		6	0	20.21	22.11	PASS
HCH		1	0	<b>21.83</b>	<b>23.73</b>	PASS
		1	3	21.78	23.68	PASS
		1	5	21.53	23.43	PASS
		3	0	21.46	23.36	PASS
		3	2	21.40	23.30	PASS
		3	3	21.31	23.21	PASS
		6	0	20.23	22.13	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	22.91	24.81	PASS
		1	7	22.37	24.27	PASS
		1	14	22.75	24.65	PASS
		8	0	21.53	23.43	PASS
		8	4	21.37	23.27	PASS
		8	7	21.32	23.22	PASS
		15	0	21.37	23.27	PASS
	MCH	1	0	22.74	24.64	PASS
		1	7	22.15	24.05	PASS
		1	14	22.24	24.14	PASS
		8	0	21.44	23.34	PASS
		8	4	21.26	23.16	PASS
		8	7	21.16	23.06	PASS
		15	0	21.28	23.18	PASS
	HCH	1	0	<b>22.99</b>	<b>24.89</b>	PASS
		1	7	22.48	24.38	PASS
		1	14	22.59	24.49	PASS
		8	0	21.44	23.34	PASS
		8	4	21.29	23.19	PASS
		8	7	21.32	23.22	PASS
		15	0	21.42	23.32	PASS
16QAM	LCH	1	0	22.31	24.21	PASS
		1	7	21.79	23.69	PASS
		1	14	22.15	24.05	PASS
		8	0	20.58	22.48	PASS
		8	4	20.40	22.30	PASS
		8	7	20.35	22.25	PASS
		15	0	20.42	22.32	PASS

MCH	MCH	1	0	22.08	23.98	PASS
		1	7	21.48	23.38	PASS
		1	14	21.59	23.49	PASS
		8	0	20.56	22.46	PASS
		8	4	20.38	22.28	PASS
		8	7	20.27	22.17	PASS
		15	0	20.31	22.21	PASS
	HCH	1	0	<b>22.38</b>	<b>24.28</b>	PASS
		1	7	21.92	23.82	PASS
		1	14	22.01	23.91	PASS
		8	0	20.48	22.38	PASS
		8	4	20.34	22.24	PASS
		8	7	20.36	22.26	PASS
		15	0	20.47	22.37	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	<b>23.26</b>	<b>25.16</b>	PASS
		1	12	22.50	24.40	PASS
		1	24	22.91	24.81	PASS
		12	0	21.81	23.71	PASS
		12	6	21.40	23.30	PASS
		12	13	21.54	23.44	PASS
		25	0	21.72	23.62	PASS
	MCH	1	0	23.14	25.04	PASS
		1	12	22.19	24.09	PASS
		1	24	22.42	24.32	PASS
		12	0	21.73	23.63	PASS
		12	6	21.29	23.19	PASS
		12	13	21.38	23.28	PASS
		25	0	21.55	23.45	PASS
	HCH	1	0	23.07	24.97	PASS
		1	12	22.52	24.42	PASS
		1	24	22.91	24.81	PASS
		12	0	21.87	23.77	PASS
		12	6	21.46	23.36	PASS
		12	13	21.65	23.55	PASS
		25	0	21.79	23.69	PASS

16QAM	LCH	1	0	<b>22.55</b>	<b>24.45</b>	PASS
		1	12	21.77	23.67	PASS
		1	24	22.19	24.09	PASS
		12	0	20.90	22.80	PASS
		12	6	20.49	22.39	PASS
		12	13	20.64	22.54	PASS
		25	0	20.79	22.69	PASS
	MCH	1	0	22.41	24.31	PASS
		1	12	21.47	23.37	PASS
		1	24	21.78	23.68	PASS
		12	0	20.87	22.77	PASS
		12	6	20.43	22.33	PASS
		12	13	20.56	22.46	PASS
		25	0	20.62	22.52	PASS
	HCH	1	0	22.35	24.25	PASS
		1	12	21.76	23.66	PASS
		1	24	22.20	24.10	PASS
		12	0	21.06	22.96	PASS
		12	6	20.63	22.53	PASS
		12	13	20.78	22.68	PASS
		25	0	20.86	22.76	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	<b>23.53</b>	<b>25.43</b>	PASS
		1	24	22.24	24.14	PASS
		1	49	22.80	24.70	PASS
		25	0	21.94	23.84	PASS
		25	12	21.31	23.21	PASS
		25	25	21.34	23.24	PASS
		50	0	21.71	23.61	PASS
	MCH	1	0	23.37	25.27	PASS
		1	24	22.11	24.01	PASS
		1	49	22.45	24.35	PASS
		25	0	21.75	23.65	PASS
		25	12	21.22	23.12	PASS
		25	25	21.48	23.38	PASS
		50	0	21.66	23.56	PASS
	HCH	1	0	23.08	24.98	PASS

16QAM		1	24	22.28	24.18	PASS
		1	49	22.83	24.73	PASS
		25	0	21.84	23.74	PASS
		25	12	21.40	23.30	PASS
		25	25	21.55	23.45	PASS
		50	0	21.72	23.62	PASS
	LCH	1	0	<b>22.97</b>	<b>24.87</b>	PASS
		1	24	21.68	23.58	PASS
		1	49	22.25	24.15	PASS
		25	0	21.02	22.92	PASS
		25	12	20.38	22.28	PASS
		25	25	20.40	22.30	PASS
		50	0	20.78	22.68	PASS
	MCH	1	0	22.84	24.74	PASS
		1	24	21.56	23.46	PASS
		1	49	21.94	23.84	PASS
		25	0	20.82	22.72	PASS
		25	12	20.29	22.19	PASS
		25	25	20.57	22.47	PASS
		50	0	20.75	22.65	PASS
	HCH	1	0	22.55	24.45	PASS
		1	24	21.71	23.61	PASS
		1	49	22.29	24.19	PASS
		25	0	20.92	22.82	PASS
		25	12	20.48	22.38	PASS
		25	25	20.63	22.53	PASS
		50	0	20.83	22.73	PASS

## Appendix B: Peak-to-Average Ratio

### Test Result

**Channel Bandwidth: 1.4 MHz**

Modulation	Channel	RB Configuration		Peak-to-Average Ratio (dB)	Limit (dB)	Verdict
		Size	Offset			
QPSK	LCH	1	0	3.58	<13	PASS
		1	3	3.70	<13	PASS
		1	5	3.95	<13	PASS
		3	0	3.89	<13	PASS
		3	2	3.92	<13	PASS
		3	3	4.03	<13	PASS
		6	0	4.71	<13	PASS
	MCH	1	0	3.24	<13	PASS
		1	3	3.06	<13	PASS
		1	5	3.10	<13	PASS
		3	0	3.18	<13	PASS
		3	2	3.15	<13	PASS
		3	3	3.11	<13	PASS
		6	0	3.93	<13	PASS
16QAM	LCH	1	0	4.42	<13	PASS
		1	3	4.36	<13	PASS
		1	5	4.53	<13	PASS
		3	0	4.61	<13	PASS
		3	2	4.56	<13	PASS
		3	3	4.65	<13	PASS
		6	0	5.20	<13	PASS
	MCH	1	0	4.46	<13	PASS
		1	3	4.53	<13	PASS
		1	5	4.82	<13	PASS
		3	0	4.76	<13	PASS
		3	2	4.87	<13	PASS
		3	3	4.95	<13	PASS
		6	0	5.61	<13	PASS

		3	2	4.11	<13	PASS
		3	3	4.04	<13	PASS
		6	0	4.85	<13	PASS
HCH	HCH	1	0	5.20	<13	PASS
		1	3	5.23	<13	PASS
		1	5	5.33	<13	PASS
		3	0	5.42	<13	PASS
		3	2	5.31	<13	PASS
		3	3	5.45	<13	PASS
		6	0	6.08	<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	3.30	<13	PASS
		1	7	3.90	<13	PASS
		1	14	4.13	<13	PASS
		8	0	4.48	<13	PASS
		8	4	4.66	<13	PASS
		8	7	4.82	<13	PASS
		15	0	4.96	<13	PASS
	MCH	1	0	2.96	<13	PASS
		1	7	2.97	<13	PASS
		1	14	2.78	<13	PASS
		8	0	3.97	<13	PASS
		8	4	3.94	<13	PASS
		8	7	3.89	<13	PASS
		15	0	4.11	<13	PASS
	HCH	1	0	4.21	<13	PASS
		1	7	4.35	<13	PASS
		1	14	4.24	<13	PASS
		8	0	5.08	<13	PASS
		8	4	4.95	<13	PASS
		8	7	5.02	<13	PASS
		15	0	5.34	<13	PASS
16QAM	LCH	1	0	4.08	<13	PASS
		1	7	4.69	<13	PASS
		1	14	4.83	<13	PASS
		8	0	5.46	<13	PASS
		8	4	5.58	<13	PASS

		8	7	5.65	<13	PASS
		15	0	5.87	<13	PASS
MCH	1	0		3.87	<13	PASS
	1	7		3.84	<13	PASS
	1	14		3.55	<13	PASS
	8	0		4.89	<13	PASS
	8	4		4.84	<13	PASS
	8	7		4.84	<13	PASS
	15	0		5.04	<13	PASS
HCH	1	0		4.95	<13	PASS
	1	7		5.16	<13	PASS
	1	14		5.11	<13	PASS
	8	0		5.92	<13	PASS
	8	4		5.82	<13	PASS
	8	7		5.92	<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	3.15	<13	PASS
		1	12	4.17	<13	PASS
		1	24	4.30	<13	PASS
		12	0	4.44	<13	PASS
		12	6	4.73	<13	PASS
		12	13	4.88	<13	PASS
		25	0	4.97	<13	PASS
	MCH	1	0	2.98	<13	PASS
		1	12	2.92	<13	PASS
		1	24	2.58	<13	PASS
		12	0	3.77	<13	PASS
		12	6	3.67	<13	PASS
		12	13	3.45	<13	PASS
		25	0	3.81	<13	PASS
	HCH	1	0	3.31	<13	PASS
		1	12	4.28	<13	PASS
		1	24	4.02	<13	PASS
		12	0	4.51	<13	PASS
		12	6	4.81	<13	PASS
		12	13	4.81	<13	PASS

		25	0	4.97	<13	PASS
16QAM	LCH	1	0	3.97	<13	PASS
		1	12	4.95	<13	PASS
		1	24	5.09	<13	PASS
		12	0	5.34	<13	PASS
		12	6	5.59	<13	PASS
		12	13	5.75	<13	PASS
		25	0	5.76	<13	PASS
16QAM	MCH	1	0	3.66	<13	PASS
		1	12	3.76	<13	PASS
		1	24	3.23	<13	PASS
		12	0	4.70	<13	PASS
		12	6	4.61	<13	PASS
		12	13	4.37	<13	PASS
		25	0	4.76	<13	PASS
16QAM	HCH	1	0	4.12	<13	PASS
		1	12	5.07	<13	PASS
		1	24	4.77	<13	PASS
		12	0	5.38	<13	PASS
		12	6	5.70	<13	PASS
		12	13	5.70	<13	PASS
		25	0	5.89	<13	PASS

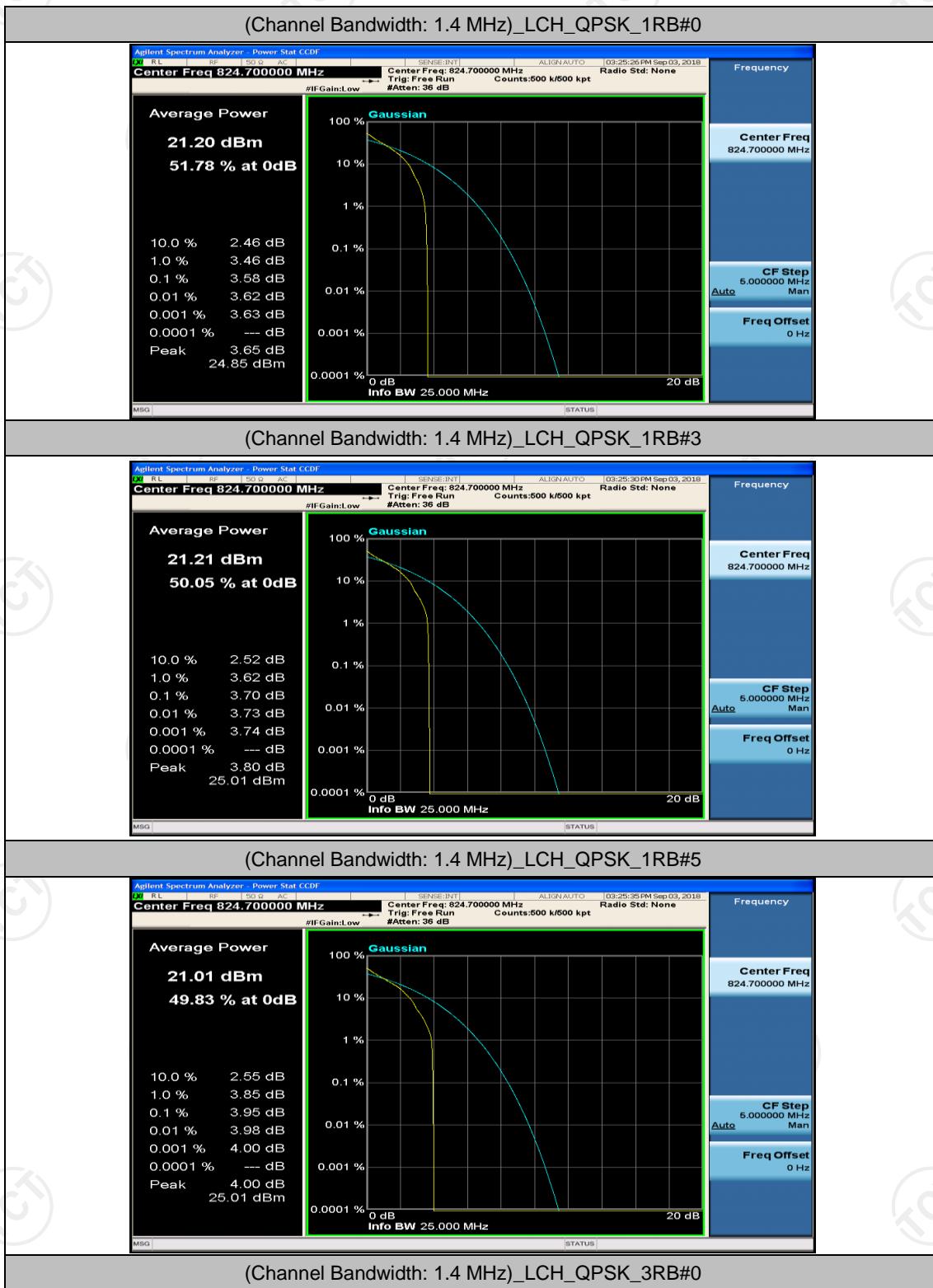
### Channel Bandwidth: 10 MHz

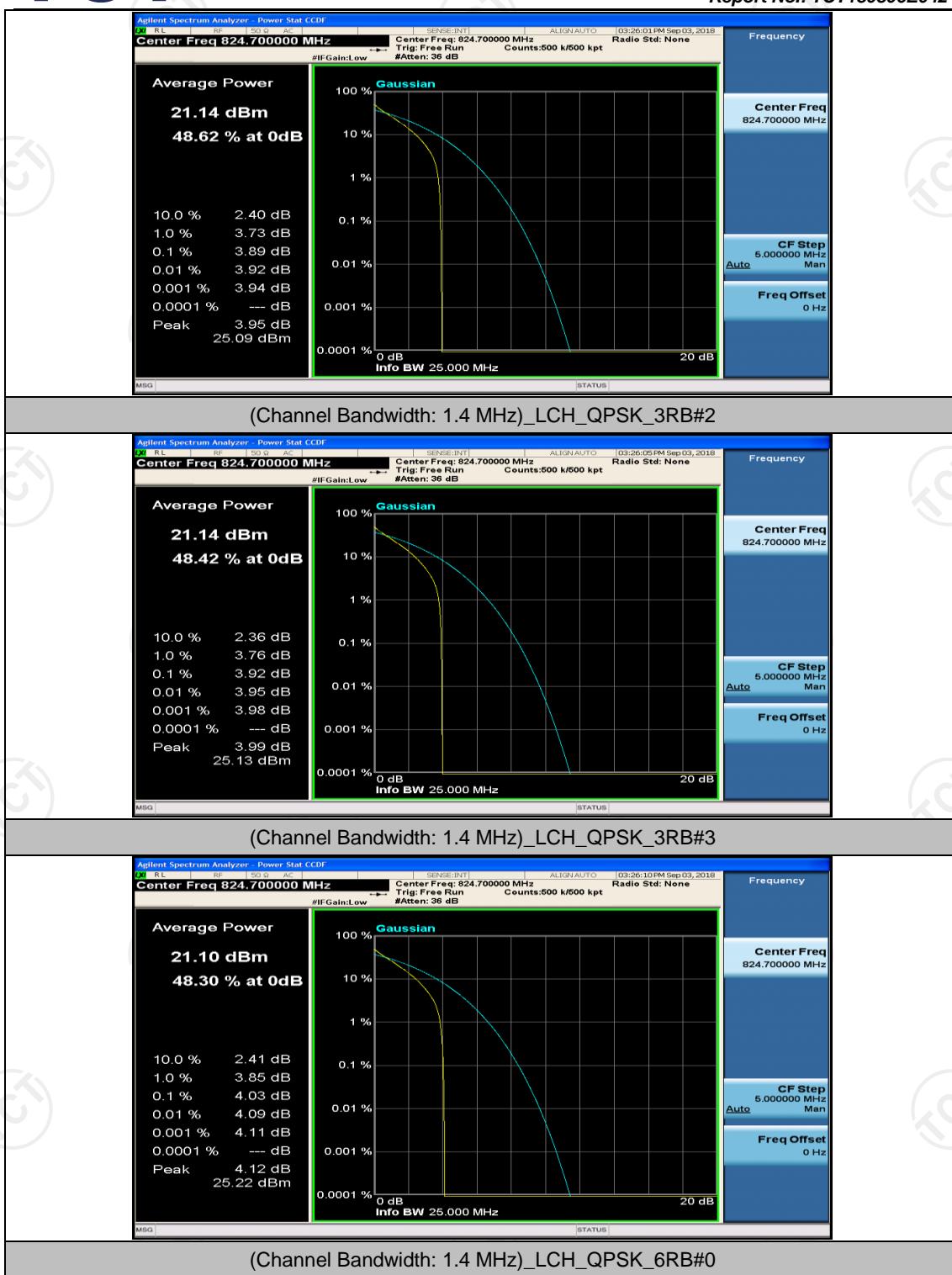
Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	2.92	<13	PASS
		1	24	4.40	<13	PASS
		1	49	3.52	<13	PASS
		25	0	4.67	<13	PASS
		25	12	4.91	<13	PASS
		25	25	4.89	<13	PASS
		50	0	5.05	<13	PASS
QPSK	MCH	1	0	3.55	<13	PASS
		1	24	2.86	<13	PASS
		1	49	2.76	<13	PASS
		25	0	4.19	<13	PASS
		25	12	3.89	<13	PASS
		25	25	3.54	<13	PASS
		50	0	4.26	<13	PASS

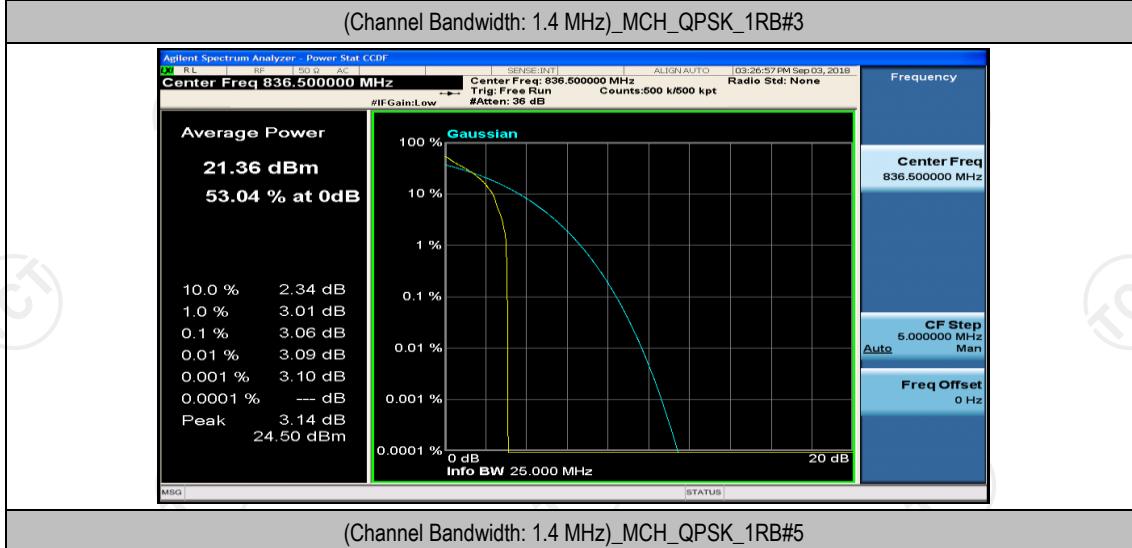
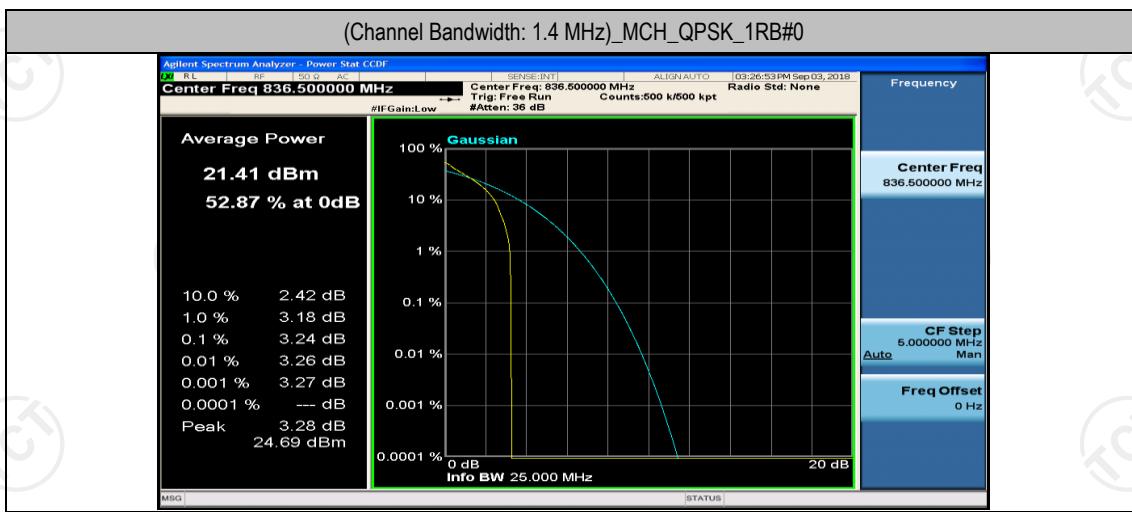
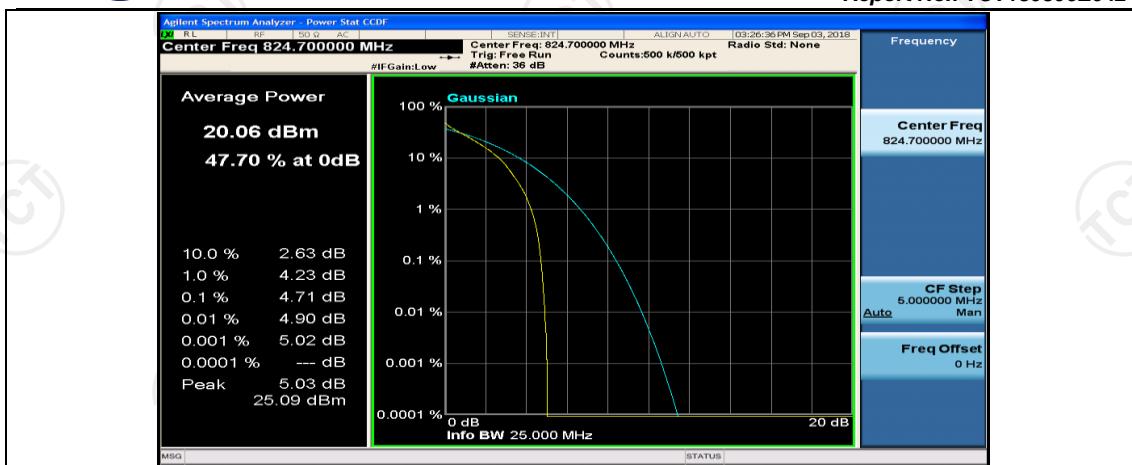
	HCH	1	0	2.17	<13	PASS
		1	24	3.67	<13	PASS
		1	49	3.94	<13	PASS
		25	0	3.63	<13	PASS
		25	12	4.35	<13	PASS
		25	25	4.76	<13	PASS
		50	0	4.53	<13	PASS
16QAM	LCH	1	0	3.68	<13	PASS
		1	24	5.25	<13	PASS
		1	49	4.25	<13	PASS
		25	0	5.56	<13	PASS
		25	12	5.77	<13	PASS
		25	25	5.79	<13	PASS
		50	0	5.88	<13	PASS
	MCH	1	0	4.42	<13	PASS
		1	24	3.69	<13	PASS
		1	49	3.52	<13	PASS
		25	0	5.14	<13	PASS
		25	12	4.85	<13	PASS
		25	25	4.41	<13	PASS
		50	0	5.12	<13	PASS
	HCH	1	0	2.87	<13	PASS
		1	24	4.49	<13	PASS
		1	49	4.69	<13	PASS
		25	0	4.53	<13	PASS
		25	12	5.28	<13	PASS
		25	25	5.65	<13	PASS
		50	0	5.39	<13	PASS

## Test Graphs

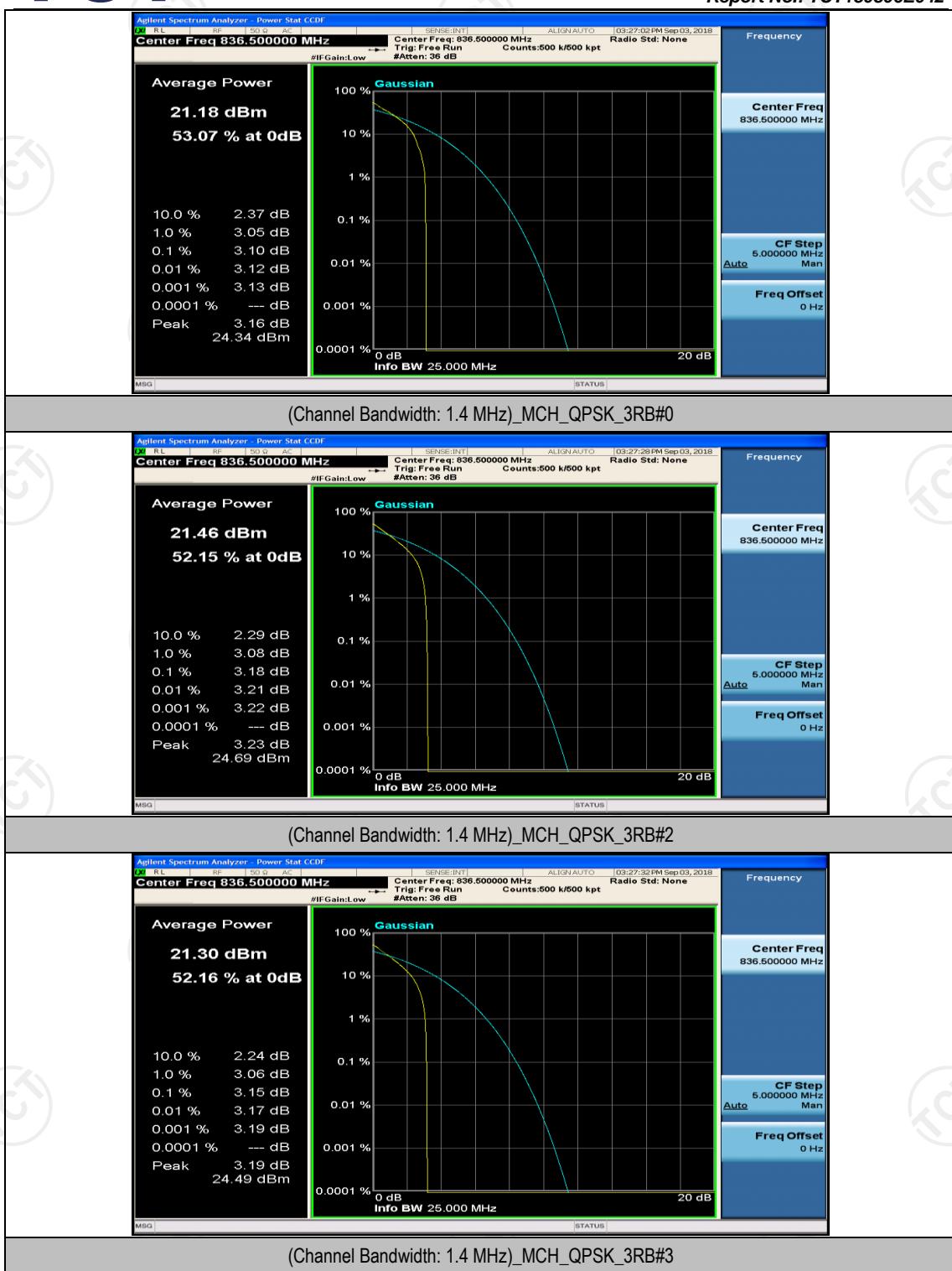
### Channel Bandwidth: 1.4 MHz

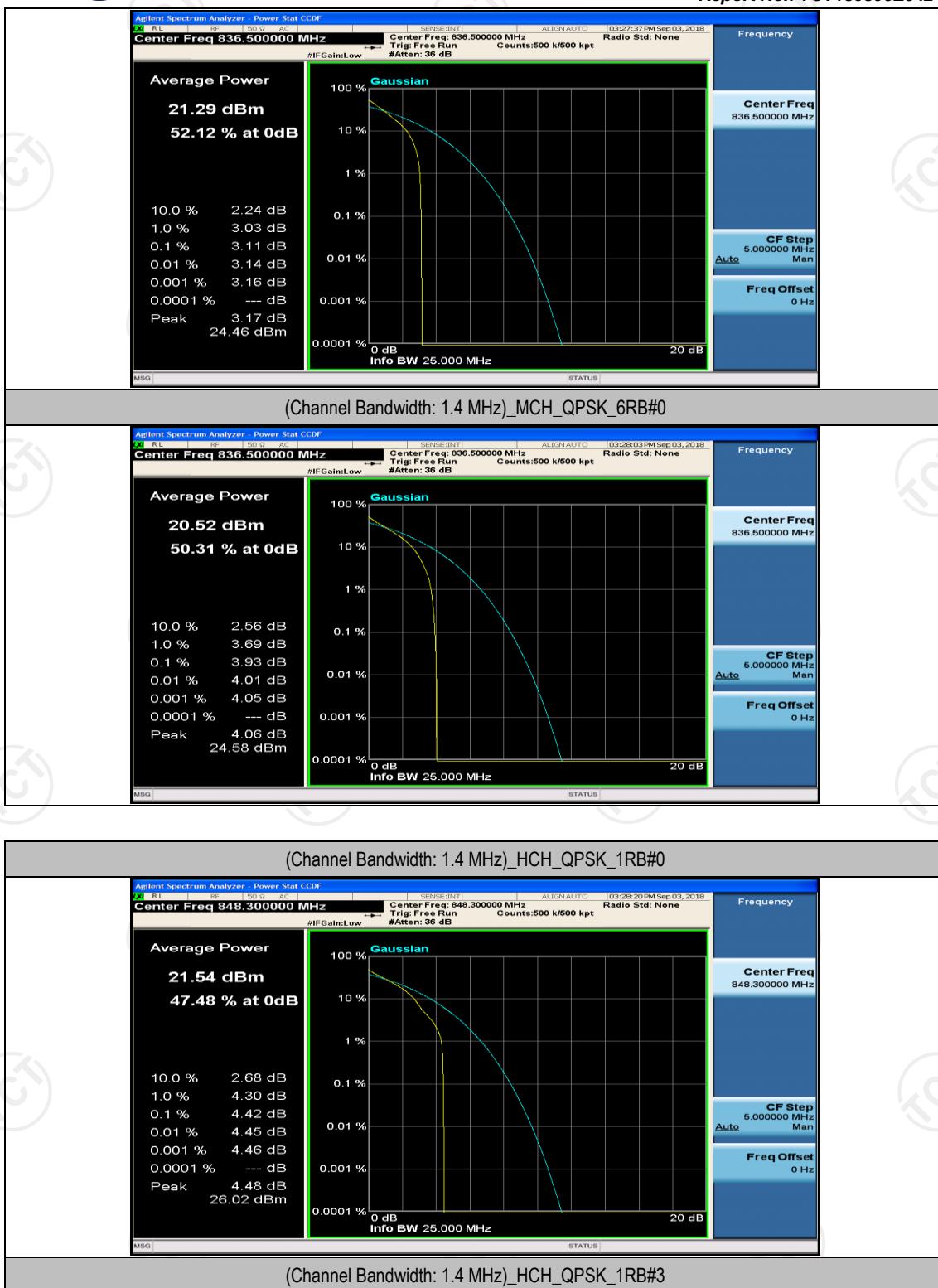


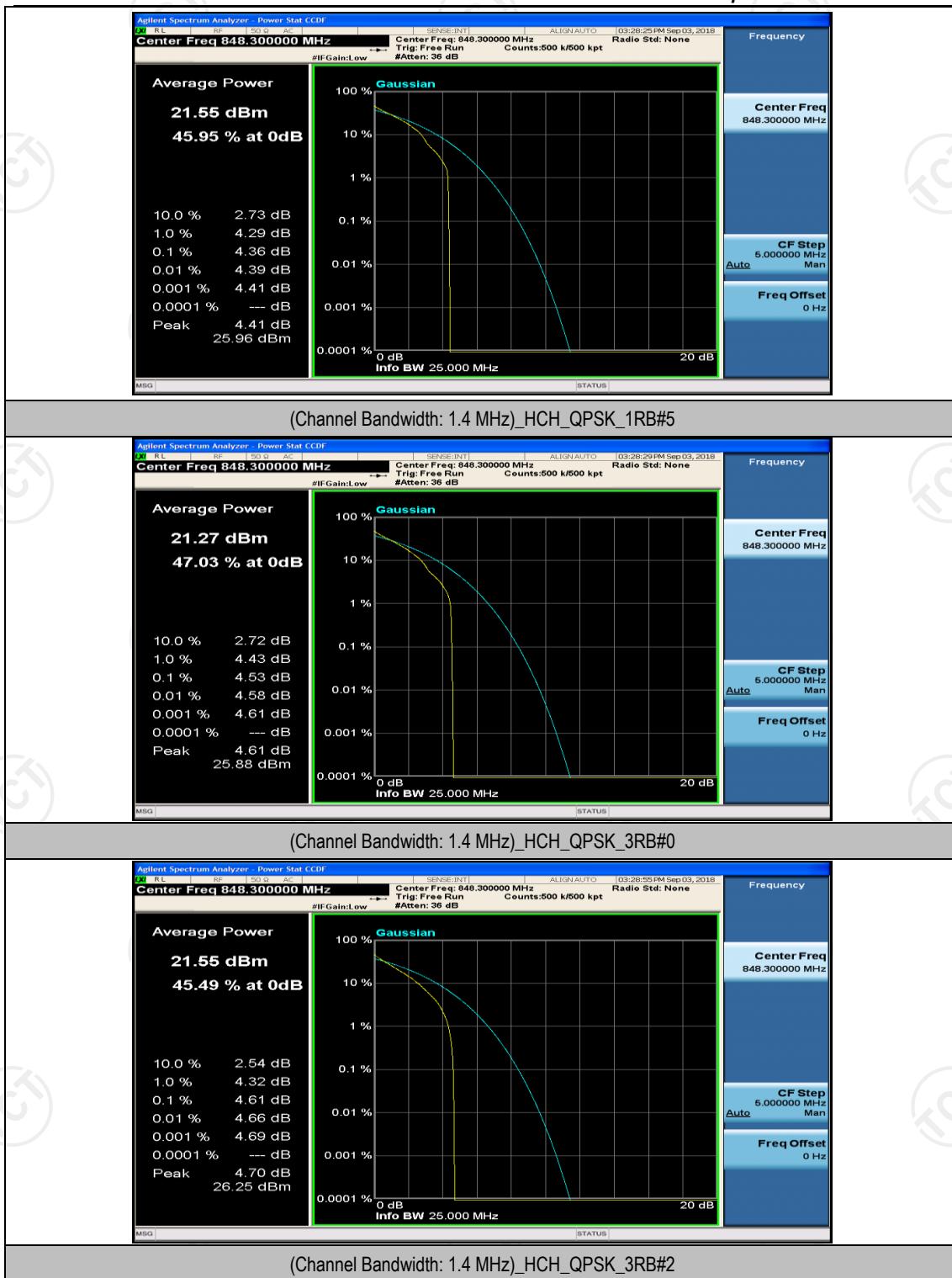


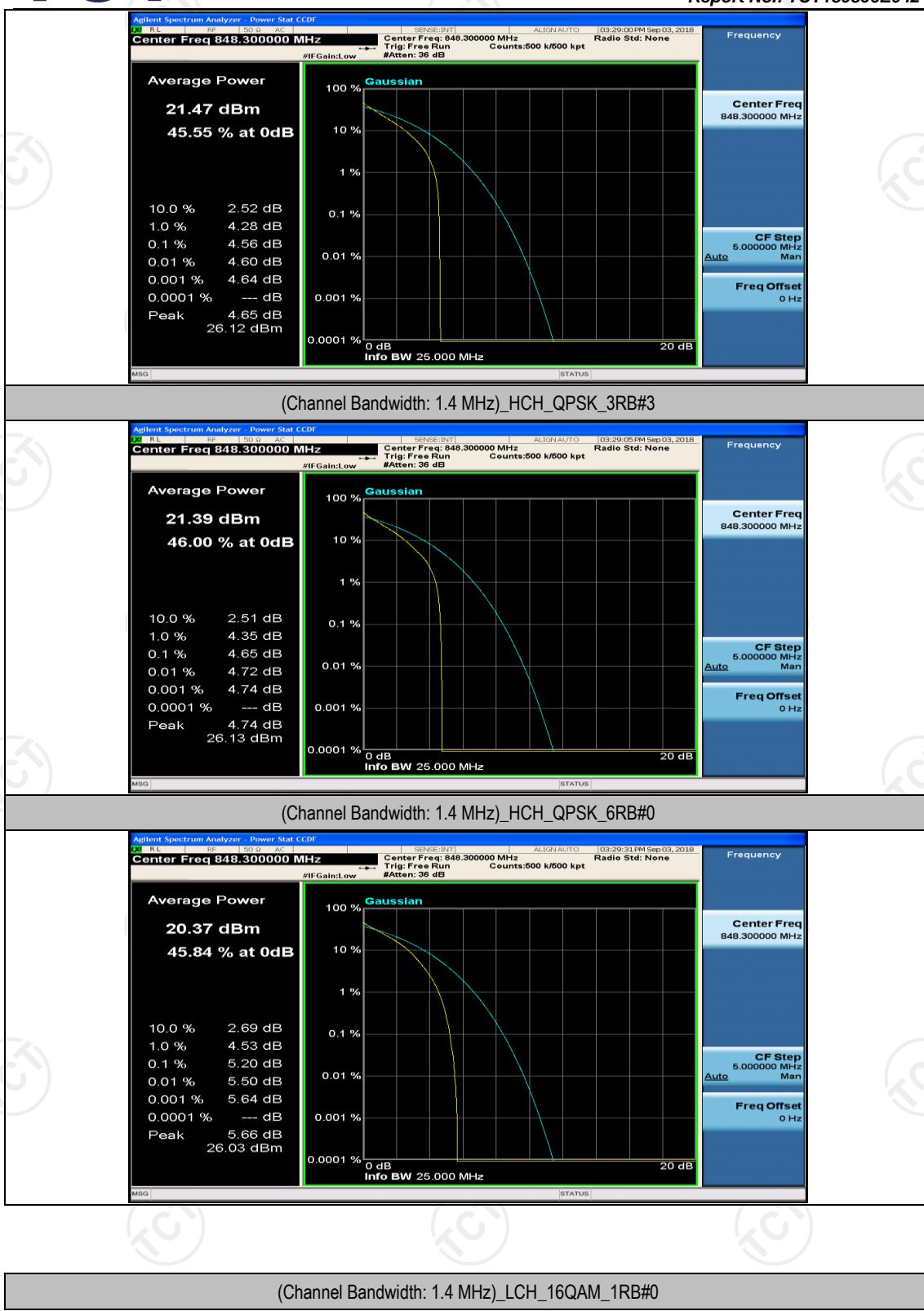


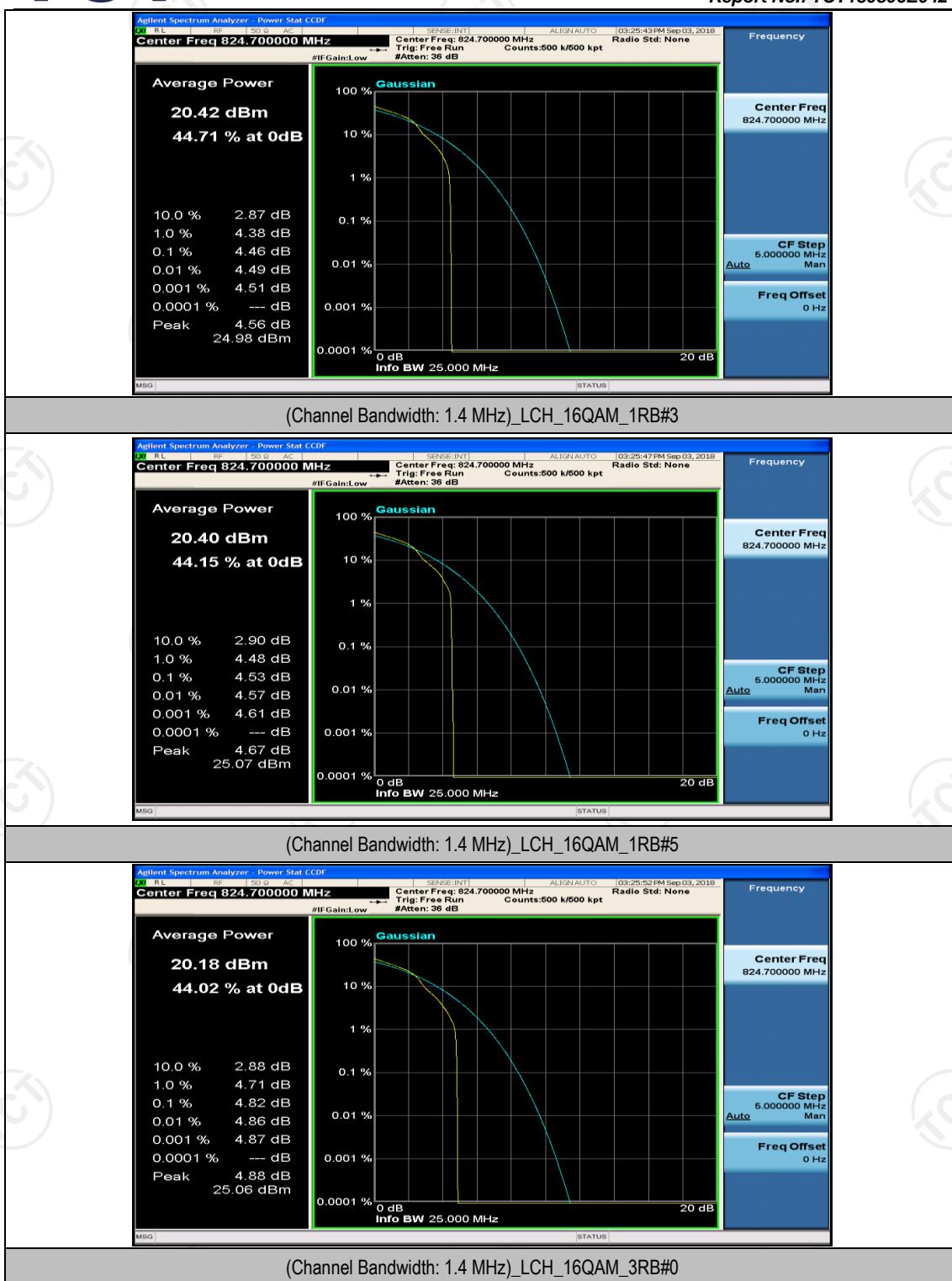
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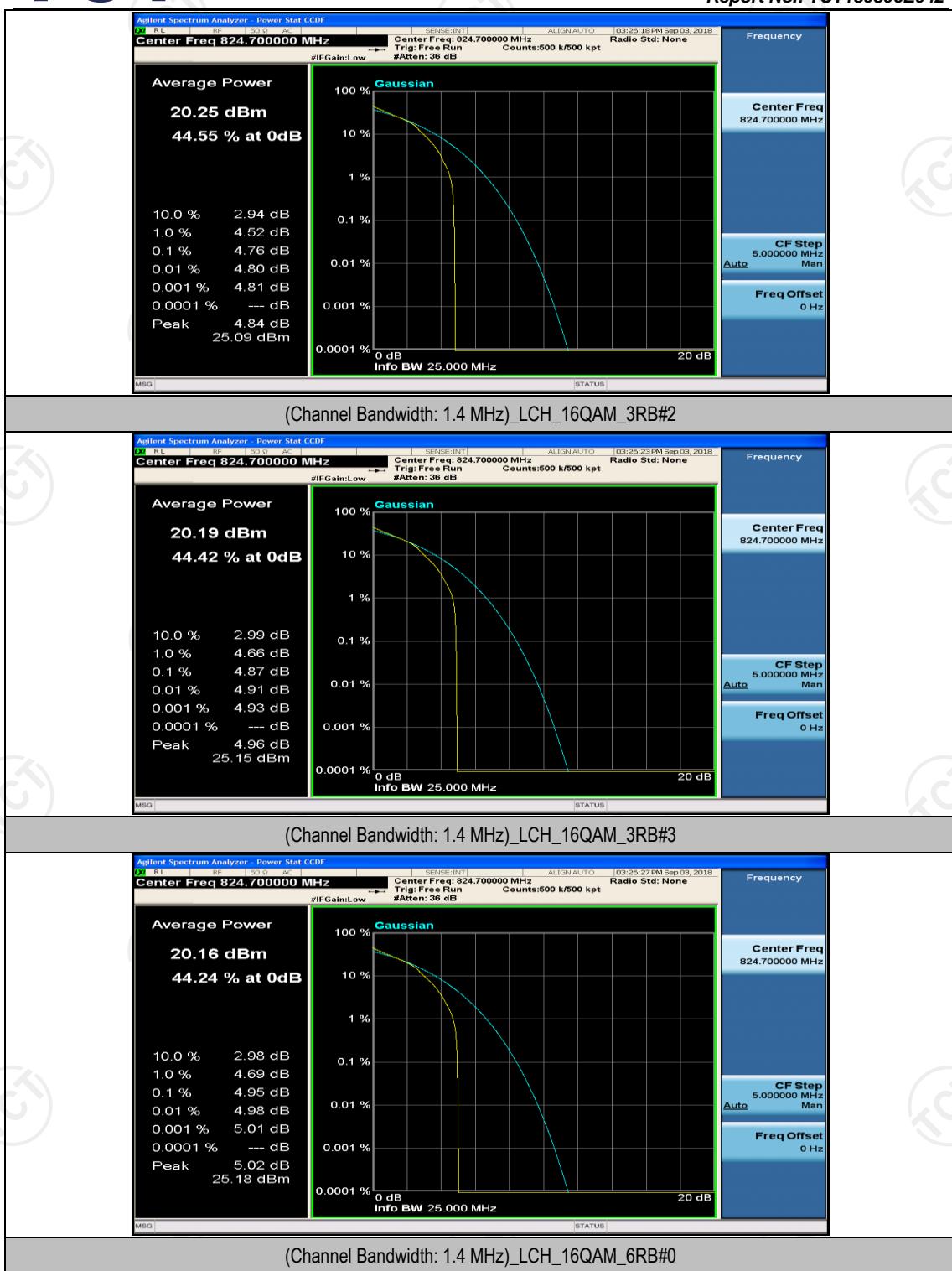


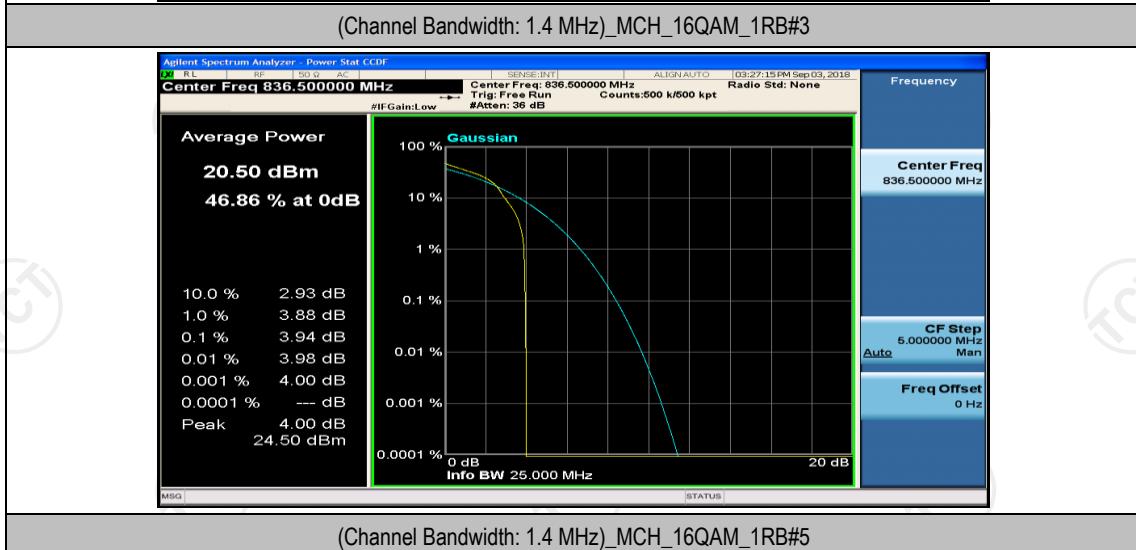
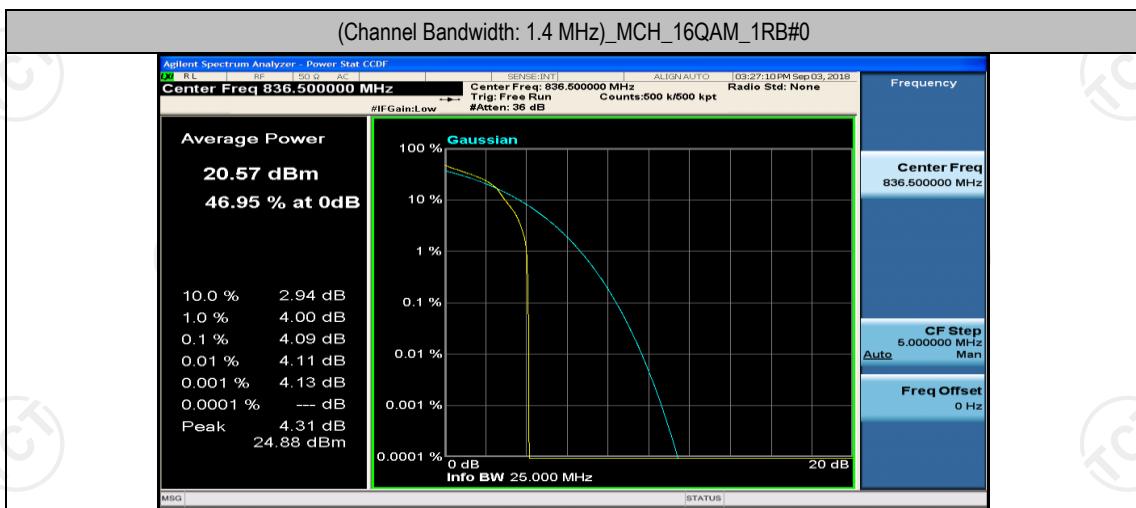
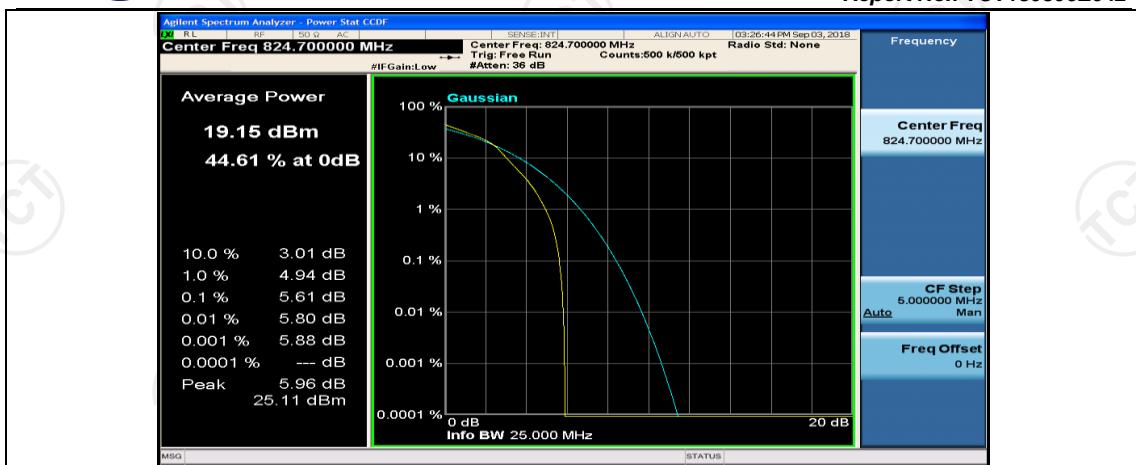


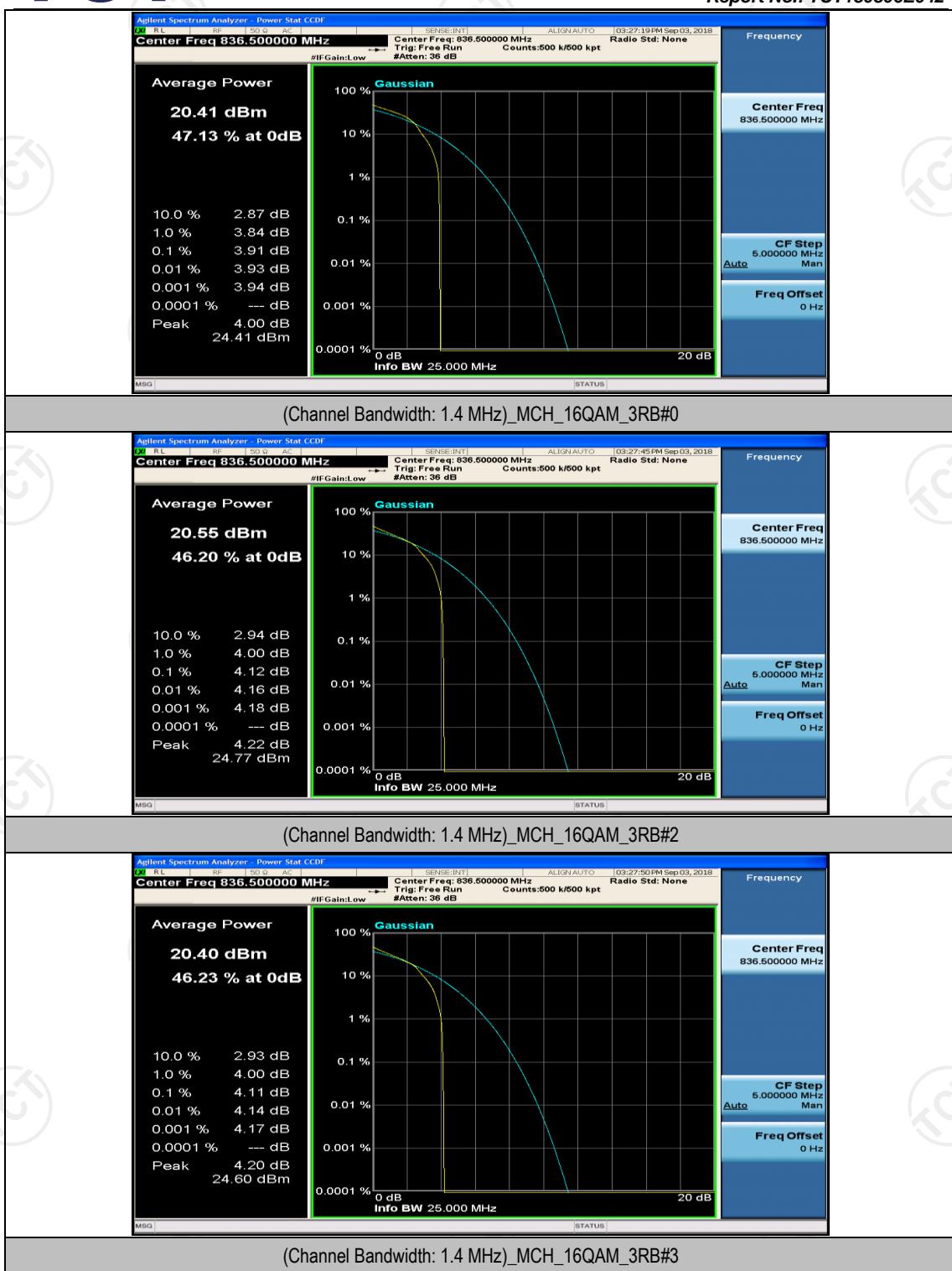


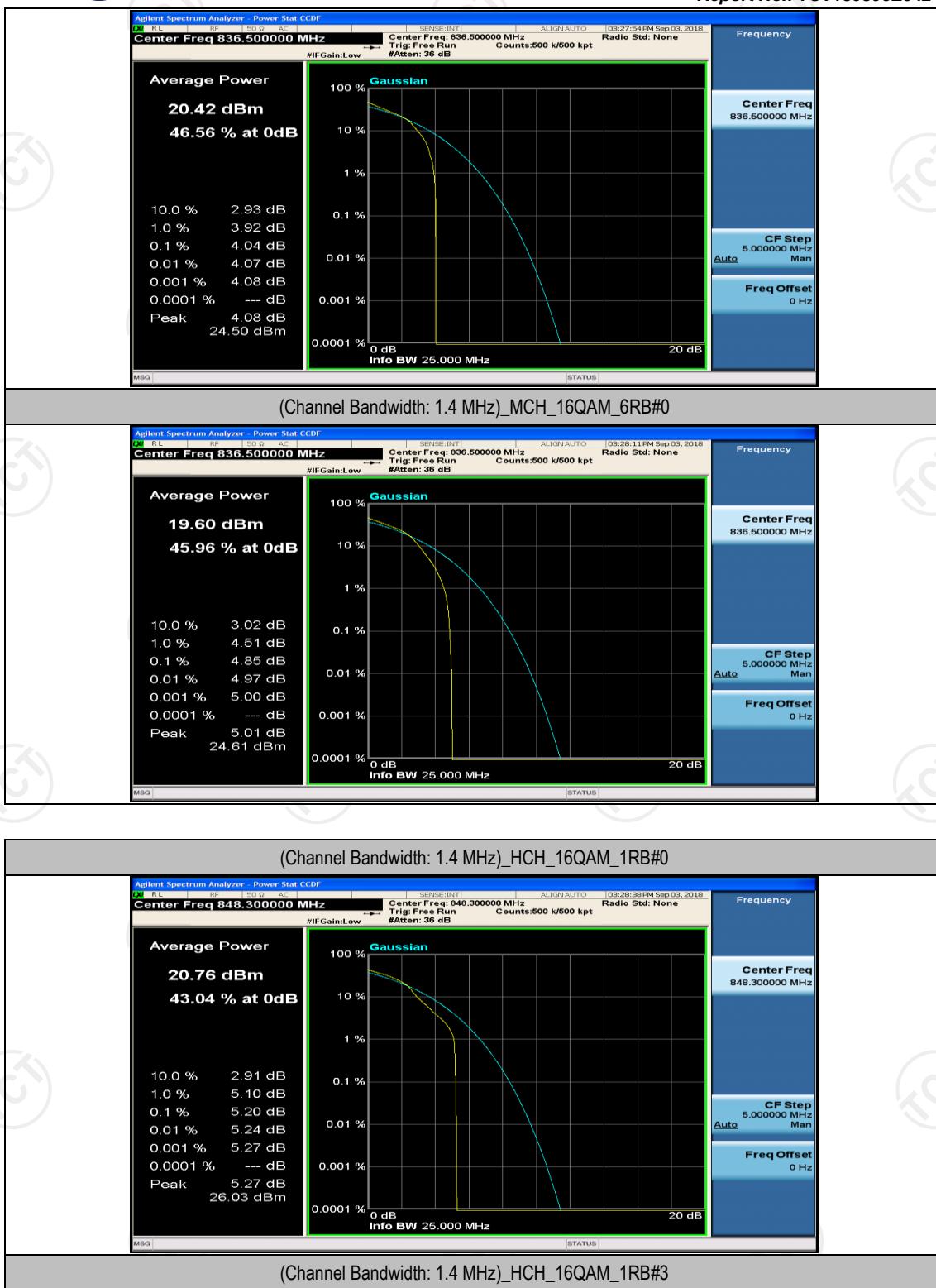


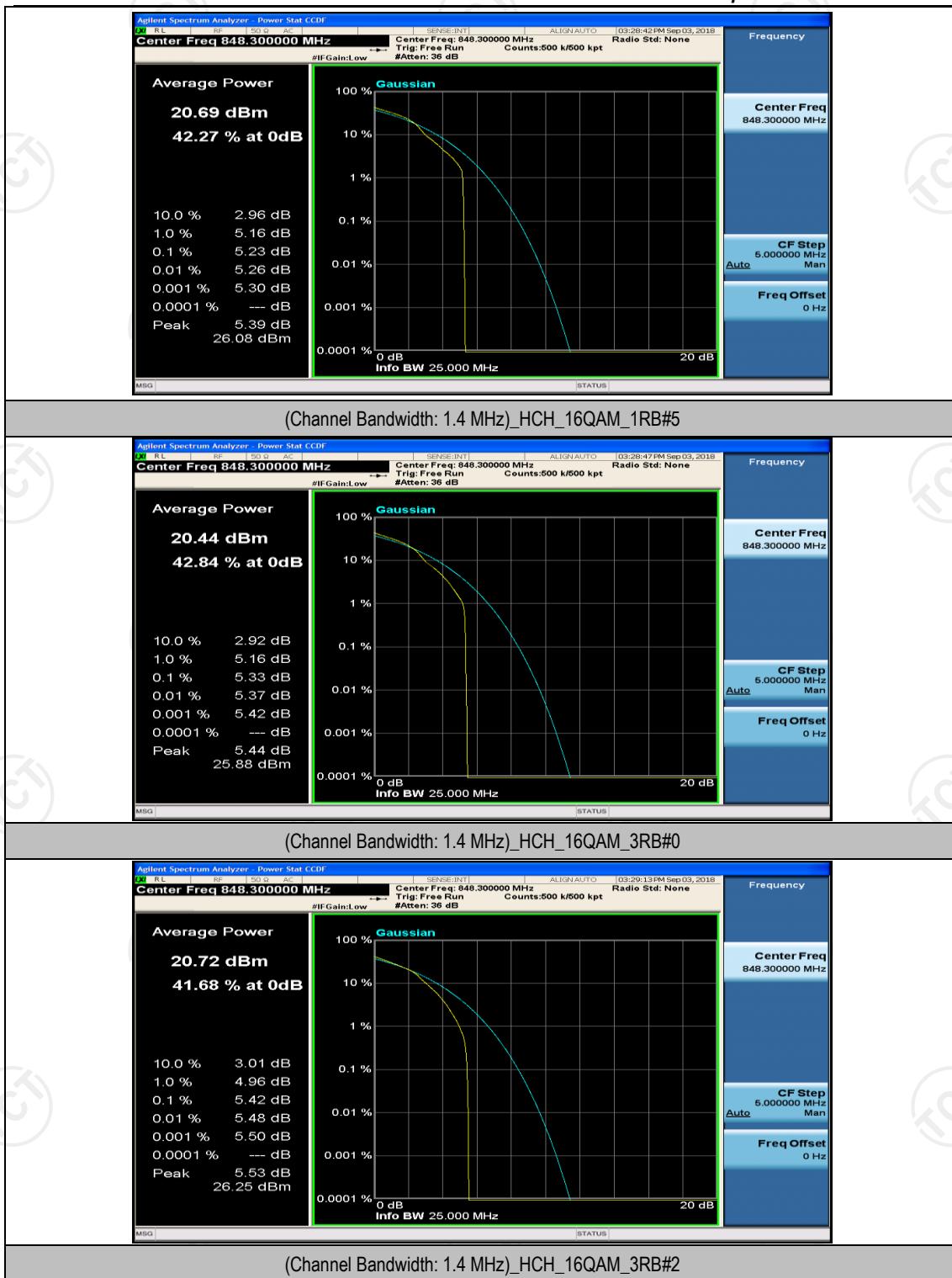


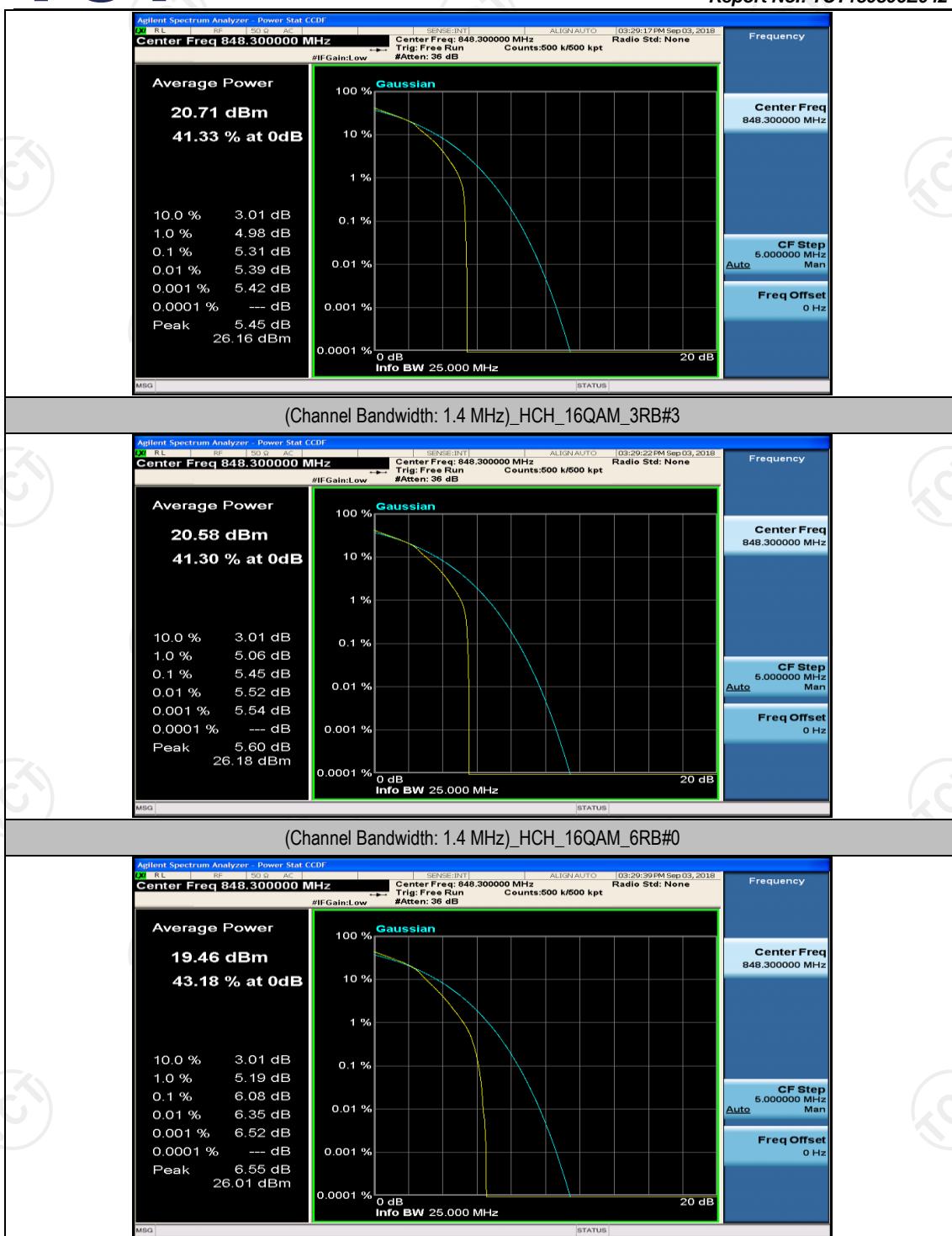


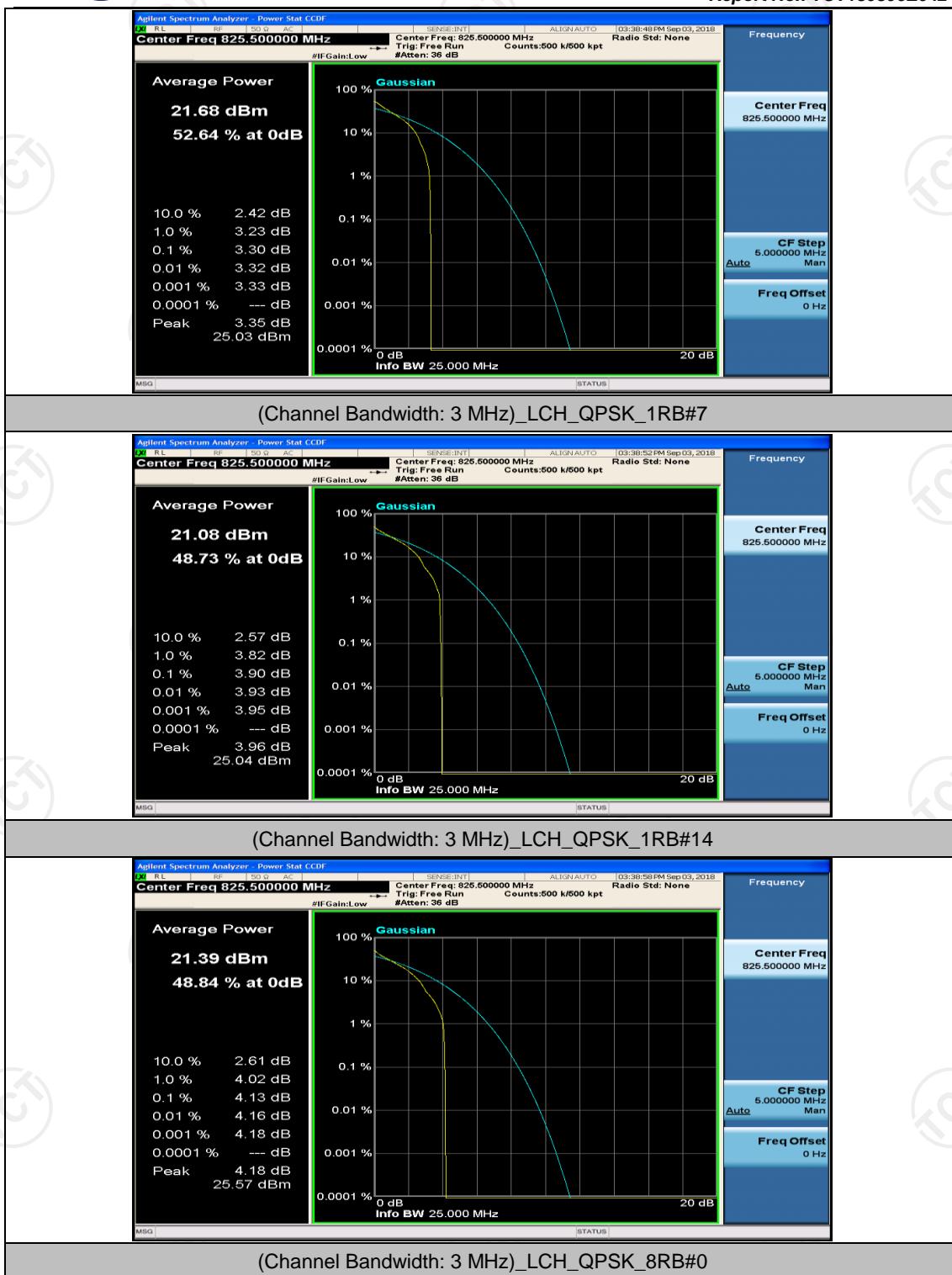


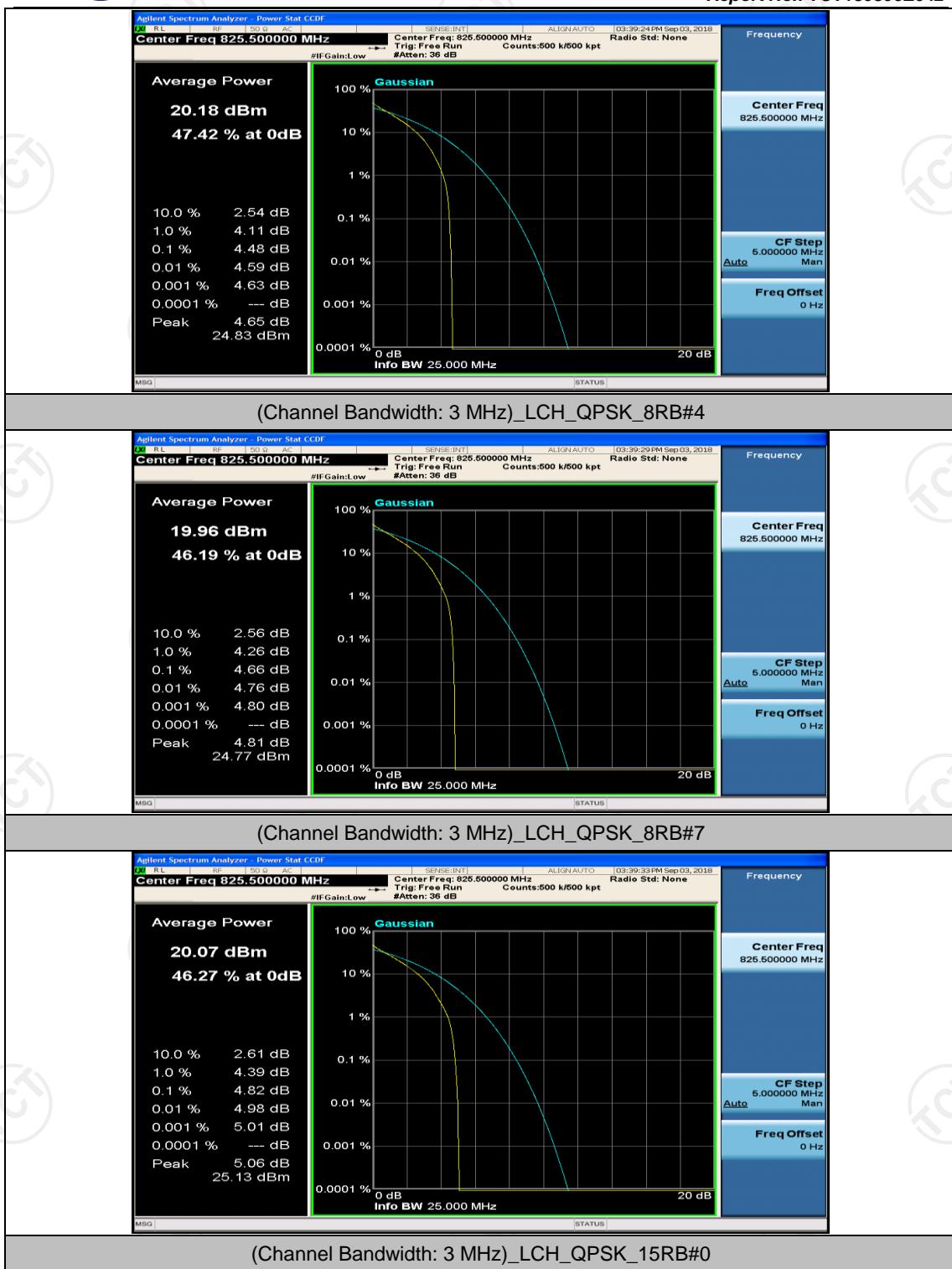


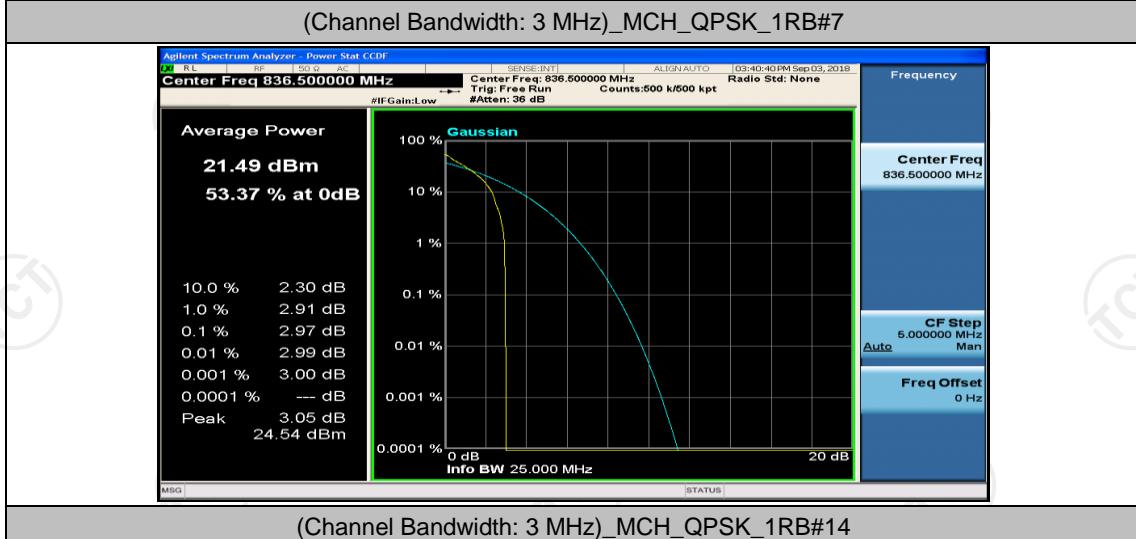
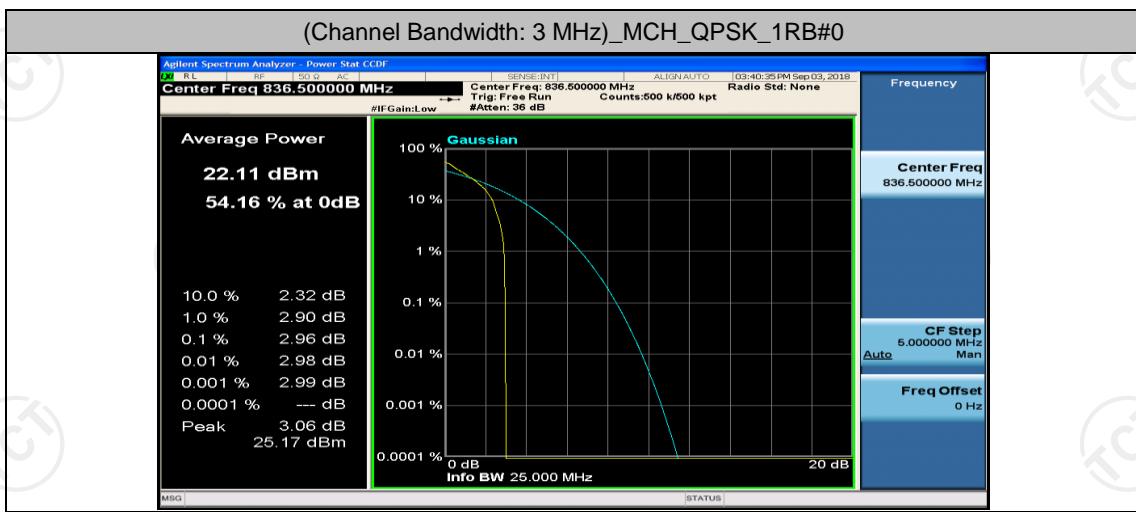
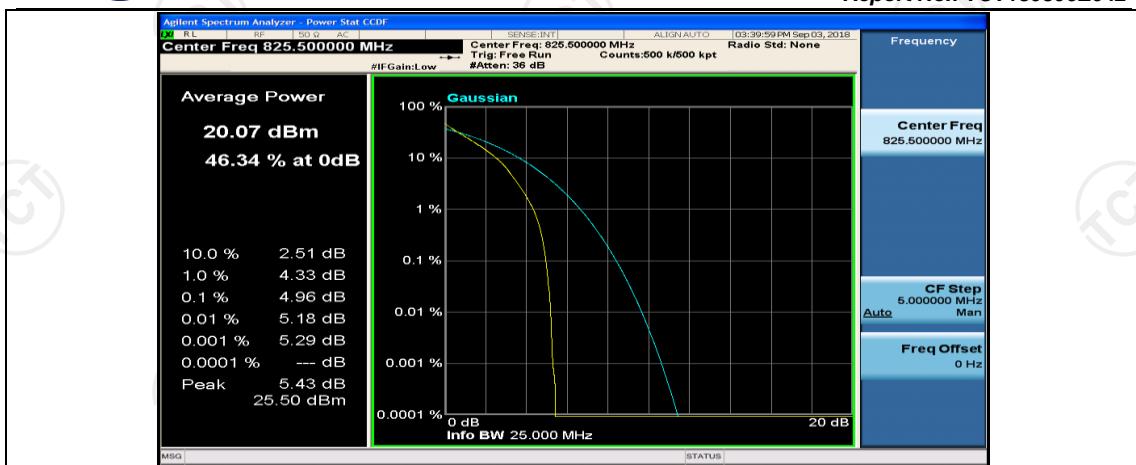


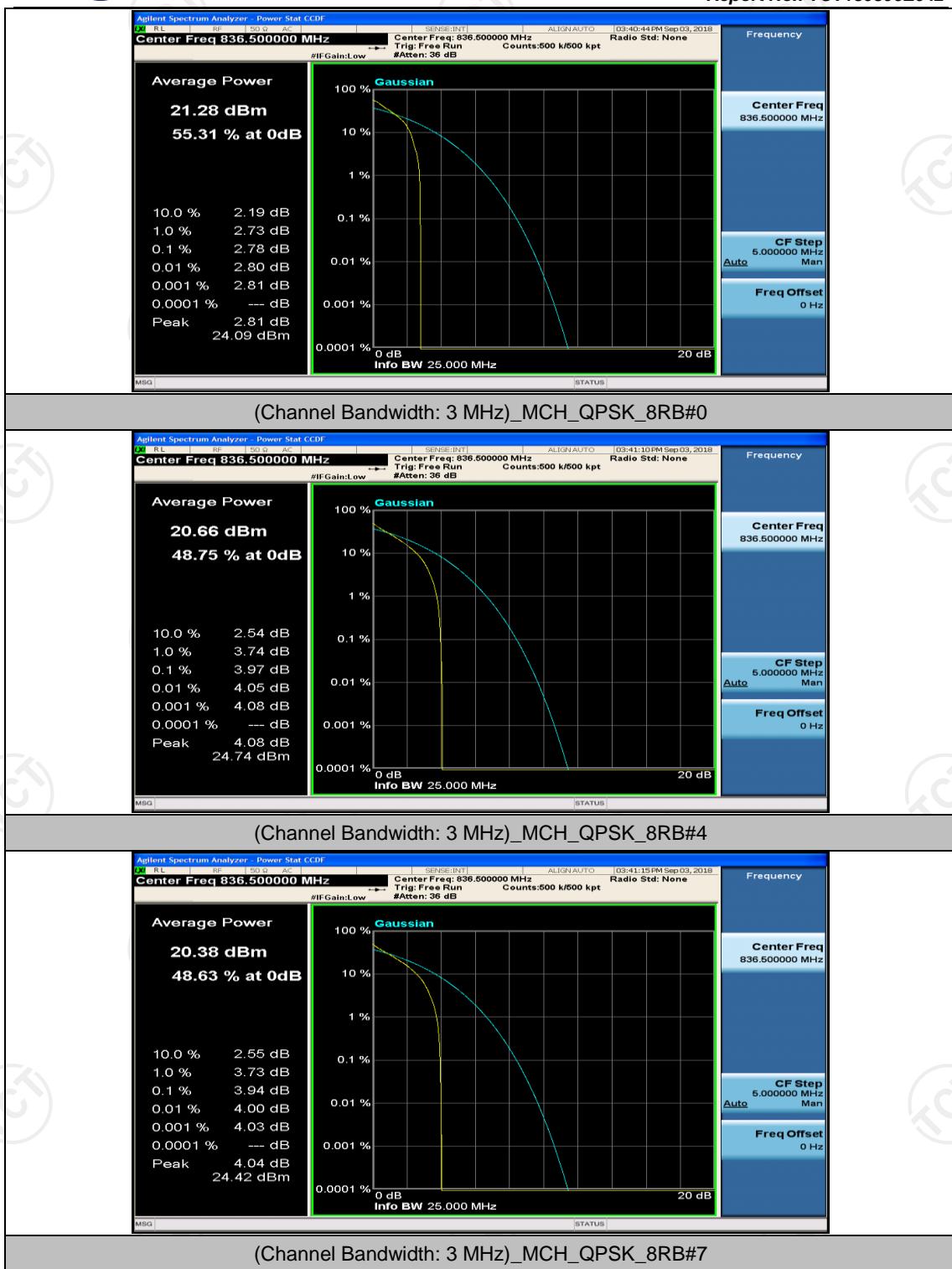


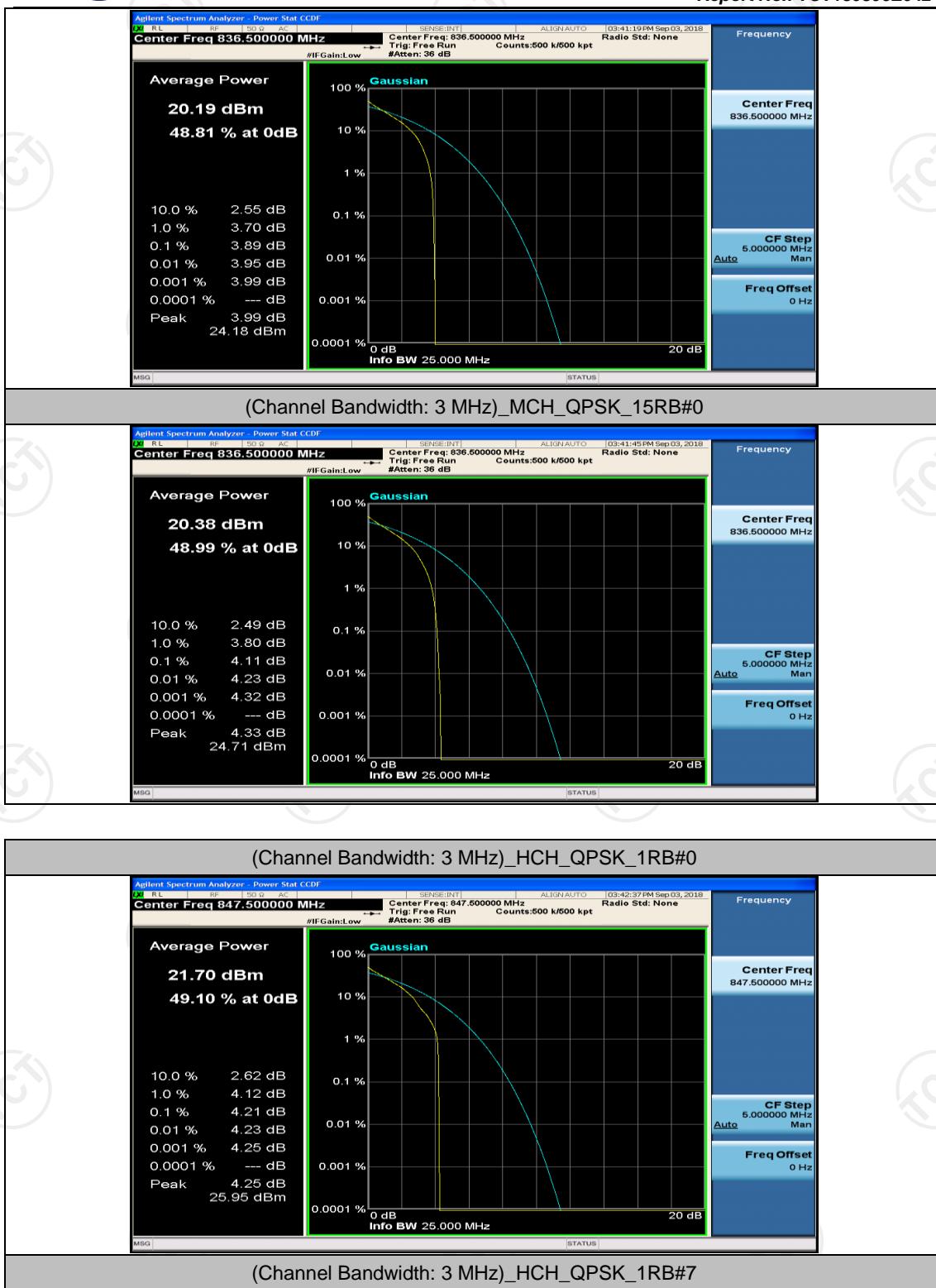


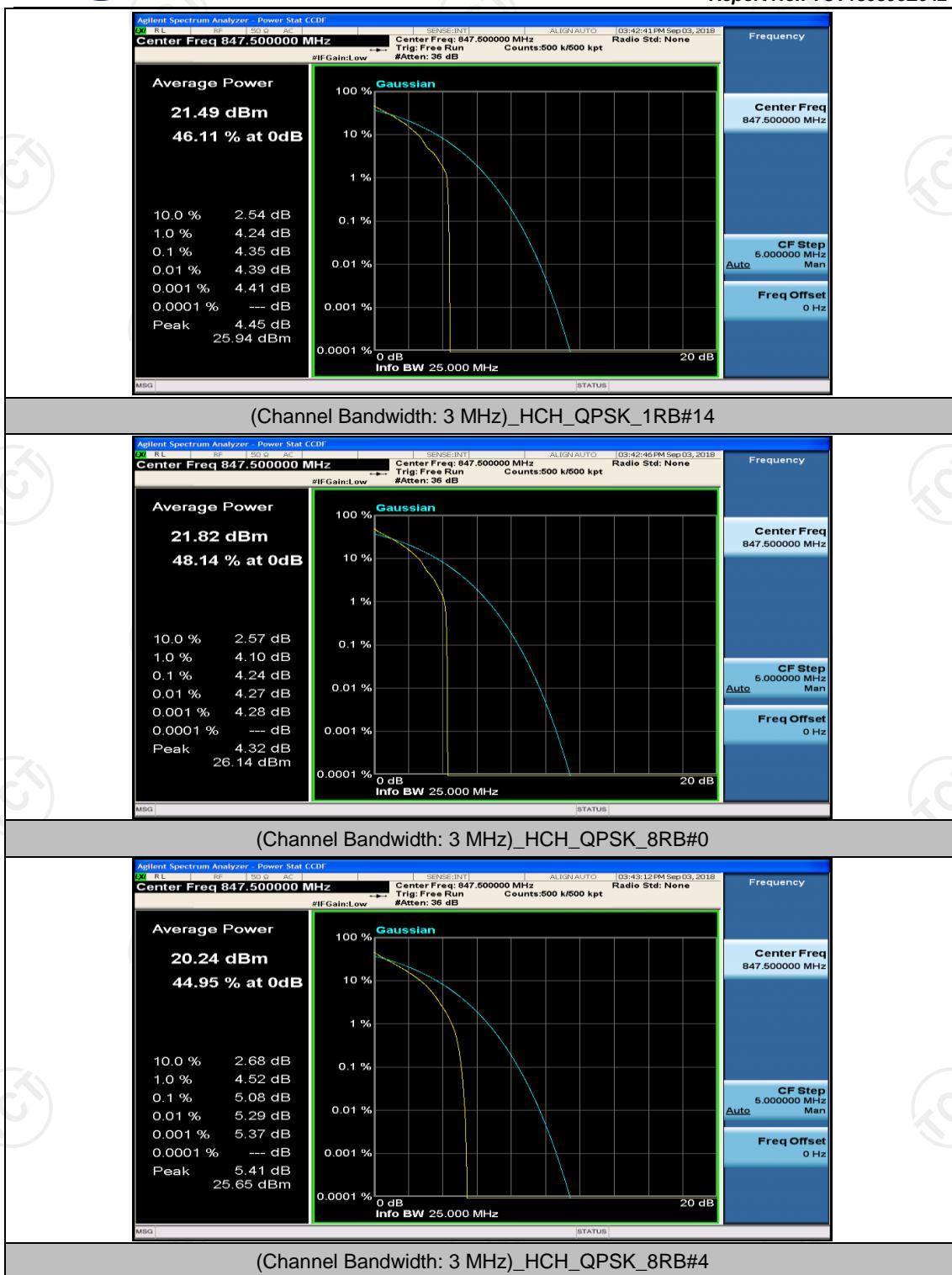


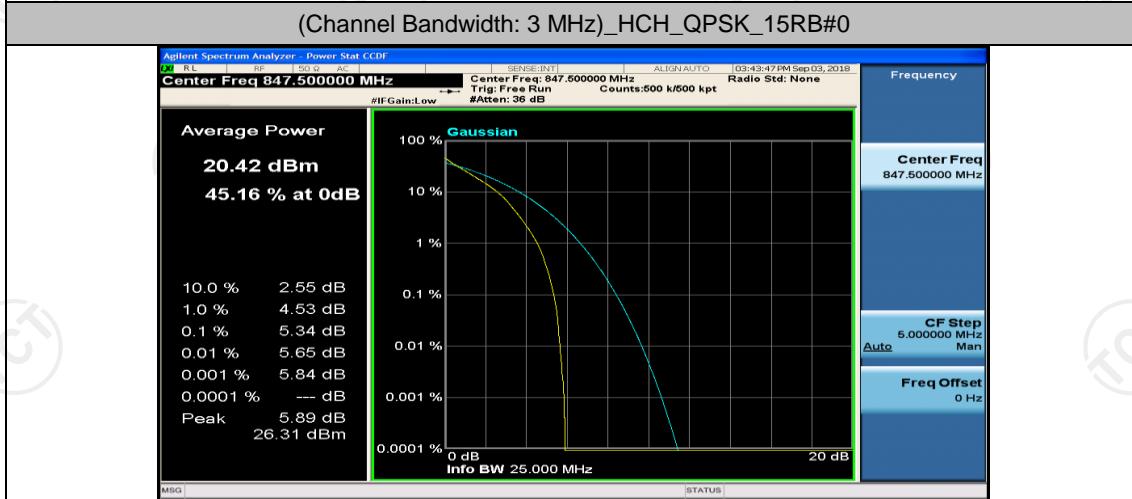
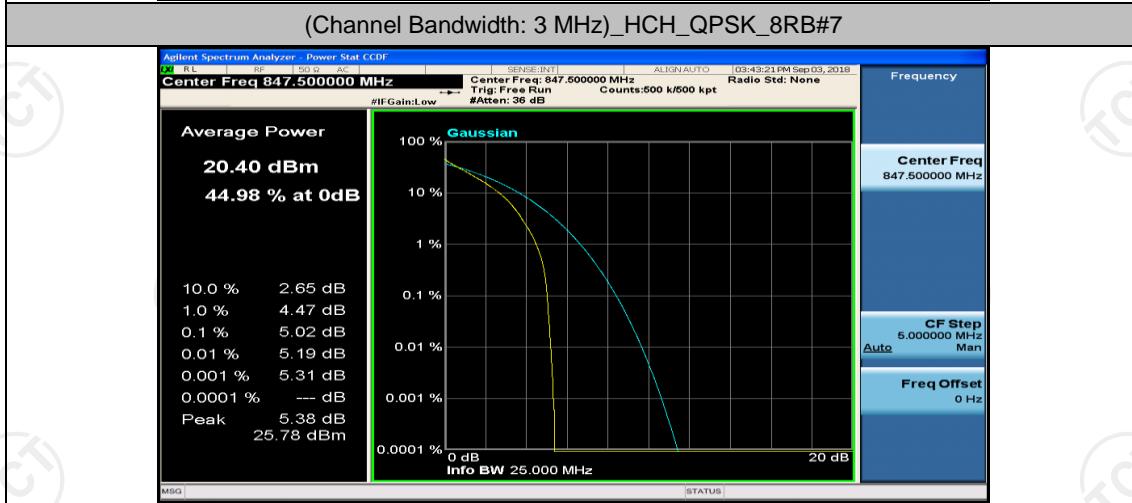












**(Channel Bandwidth: 3 MHz)\_LCH\_16QAM\_1RB#0**

