

## 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	21.84	23.74	PASS
		1	3	21.93	23.83	PASS
		1	5	21.79	23.69	PASS
		3	0	21.89	23.79	PASS
		3	2	22.00	23.90	PASS
		3	3	21.95	23.85	PASS
		6	0	21.08	22.98	PASS
	MCH	1	0	21.05	22.95	PASS
		1	3	21.07	22.97	PASS
		1	5	20.85	22.75	PASS
		3	0	21.01	22.91	PASS
		3	2	21.26	23.16	PASS
		3	3	21.02	22.92	PASS
		6	0	20.37	22.27	PASS
16QAM	HCH	1	0	22.29	24.19	PASS
		1	3	22.43	24.33	PASS
		1	5	22.36	24.26	PASS
		3	0	22.41	24.31	PASS
		3	2	22.42	24.32	PASS
		3	3	<b>22.44</b>	<b>24.34</b>	PASS
		6	0	21.63	23.53	PASS
	LCH	1	0	21.12	23.02	PASS
		1	3	21.34	23.24	PASS
		1	5	21.09	22.99	PASS
		3	0	21.09	22.99	PASS
		3	2	21.17	23.07	PASS
		3	3	21.13	23.03	PASS
		6	0	20.10	22.00	PASS
	MCH	1	0	20.31	22.21	PASS
		1	3	20.40	22.30	PASS
		1	5	20.26	22.16	PASS
		3	0	20.39	22.29	PASS
		3	2	20.40	22.30	PASS

	HCH	3	3	20.17	22.07	PASS
		6	0	20.05	21.95	PASS
		1	0	21.64	23.54	PASS
		1	3	<b>21.77</b>	<b>23.67</b>	PASS
		1	5	21.68	23.58	PASS
		3	0	21.64	23.54	PASS
		3	2	21.63	23.53	PASS
		3	3	21.65	23.55	PASS
		6	0	20.71	22.61	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	22.24	24.14	PASS
		1	7	21.96	23.86	PASS
		1	14	22.13	24.03	PASS
		8	0	21.15	23.05	PASS
		8	4	20.95	22.85	PASS
		8	7	20.94	22.84	PASS
		15	0	20.99	22.89	PASS
	MCH	1	0	21.44	23.34	PASS
		1	7	21.10	23.00	PASS
		1	14	21.19	23.09	PASS
		8	0	20.28	22.18	PASS
		8	4	20.09	21.99	PASS
		8	7	20.14	22.04	PASS
		15	0	20.09	21.99	PASS
	HCH	1	0	<b>22.55</b>	<b>24.45</b>	PASS
		1	7	22.28	24.18	PASS
		1	14	22.53	24.43	PASS
		8	0	21.71	23.61	PASS
		8	4	21.72	23.62	PASS
		8	7	21.69	23.59	PASS
		15	0	21.81	23.71	PASS
16QAM	LCH	1	0	21.52	23.42	PASS
		1	7	21.27	23.17	PASS
		1	14	21.44	23.34	PASS
		8	0	20.27	22.17	PASS
		8	4	20.09	21.99	PASS

		8	7	20.06	21.96	PASS
		15	0	20.15	22.05	PASS
	MCH	1	0	20.76	22.66	PASS
		1	7	20.42	22.32	PASS
		1	14	20.50	22.40	PASS
		8	0	20.37	22.27	PASS
		8	4	20.20	22.10	PASS
		8	7	20.22	22.12	PASS
		15	0	20.13	22.03	PASS
	HCH	1	0	21.96	23.86	PASS
		1	7	21.85	23.75	PASS
		1	14	<b>22.12</b>	<b>24.02</b>	PASS
		8	0	20.84	22.74	PASS
		8	4	20.86	22.76	PASS
		8	7	20.89	22.79	PASS
		15	0	20.89	22.79	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	22.70	24.60	PASS
		1	12	21.99	23.89	PASS
		1	24	22.53	24.43	PASS
		12	0	21.30	23.20	PASS
		12	6	21.00	22.90	PASS
		12	13	21.29	23.19	PASS
		25	0	21.27	23.17	PASS
	MCH	1	0	22.07	23.97	PASS
		1	12	21.27	23.17	PASS
		1	24	21.72	23.62	PASS
		12	0	20.61	22.51	PASS
		12	6	20.08	21.98	PASS
		12	13	20.05	21.95	PASS
		25	0	20.09	21.99	PASS
	HCH	1	0	23.01	24.91	PASS
		1	12	22.59	24.49	PASS
		1	24	<b>23.11</b>	<b>25.01</b>	PASS
		12	0	21.76	23.66	PASS
		12	6	21.65	23.55	PASS

		12	13	21.78	23.68	PASS
		25	0	21.79	23.69	PASS
16QAM	LCH	1	0	21.92	23.82	PASS
		1	12	21.27	23.17	PASS
		1	24	21.85	23.75	PASS
		12	0	20.40	22.30	PASS
		12	6	20.11	22.01	PASS
		12	13	20.41	22.31	PASS
		25	0	20.33	22.23	PASS
	MCH	1	0	21.33	23.23	PASS
		1	12	20.54	22.44	PASS
		1	24	21.01	22.91	PASS
		12	0	20.71	22.61	PASS
		12	6	20.17	22.07	PASS
		12	13	20.31	22.21	PASS
		25	0	20.31	22.21	PASS
	HCH	1	0	22.29	24.19	PASS
		1	12	21.90	23.80	PASS
		1	24	<b>22.46</b>	<b>24.36</b>	PASS
		12	0	20.89	22.79	PASS
		12	6	20.78	22.68	PASS
		12	13	20.93	22.83	PASS
		25	0	20.87	22.77	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	22.93	24.83	PASS
		1	24	22.10	24.00	PASS
		1	49	22.63	24.53	PASS
		25	0	21.50	23.40	PASS
		25	12	21.21	23.11	PASS
		25	25	21.33	23.23	PASS
		50	0	21.35	23.25	PASS
	MCH	1	0	22.52	24.42	PASS
		1	24	21.09	22.99	PASS
		1	49	21.74	23.64	PASS
		25	0	20.70	22.60	PASS
		25	12	20.18	22.08	PASS

	HCH	25	25	20.14	22.04	PASS
		50	0	20.41	22.31	PASS
		1	0	22.97	24.87	PASS
		1	24	22.46	24.36	PASS
		1	49	<b>23.25</b>	<b>25.15</b>	PASS
		25	0	21.75	23.65	PASS
		25	12	21.57	23.47	PASS
		25	25	21.91	23.81	PASS
		50	0	21.77	23.67	PASS
		1	0	22.22	24.12	PASS
16QAM	LCH	1	24	21.40	23.30	PASS
		1	49	21.95	23.85	PASS
		25	0	20.56	22.46	PASS
		25	12	20.26	22.16	PASS
		25	25	20.38	22.28	PASS
		50	0	20.39	22.29	PASS
	MCH	1	0	21.84	23.74	PASS
		1	24	20.41	22.31	PASS
		1	49	21.07	22.97	PASS
		25	0	20.76	22.66	PASS
		25	12	20.22	22.12	PASS
		25	25	20.18	22.08	PASS
		50	0	20.43	22.33	PASS
	HCH	1	0	22.32	24.22	PASS
		1	24	21.81	23.71	PASS
		1	49	<b>22.64</b>	<b>24.54</b>	PASS
		25	0	20.77	22.67	PASS
		25	12	20.61	22.51	PASS
		25	25	21.00	22.90	PASS
		50	0	20.82	22.72	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	22.94	24.84	PASS
		1	37	22.06	23.96	PASS
		1	74	22.52	24.42	PASS
		37	0	21.40	23.30	PASS
		37	18	21.17	23.07	PASS

		37	38	21.17	23.07	PASS
		75	0	21.27	23.17	PASS
	MCH	1	0	22.65	24.55	PASS
		1	37	21.03	22.93	PASS
		1	74	21.74	23.64	PASS
		37	0	20.86	22.76	PASS
		37	18	20.08	21.98	PASS
		37	38	20.16	22.06	PASS
		75	0	20.39	22.29	PASS
	HCH	1	0	22.12	24.02	PASS
		1	37	22.14	24.04	PASS
		1	74	<b>23.11</b>	<b>25.01</b>	PASS
		37	0	21.03	22.93	PASS
		37	18	21.29	23.19	PASS
		37	38	21.67	23.57	PASS
		75	0	21.50	23.40	PASS
16QAM	LCH	1	0	22.23	24.13	PASS
		1	37	21.37	23.27	PASS
		1	74	21.85	23.75	PASS
		37	0	20.45	22.35	PASS
		37	18	20.21	22.11	PASS
		37	38	20.21	22.11	PASS
		75	0	20.33	22.23	PASS
	MCH	1	0	21.96	23.86	PASS
		1	37	20.35	22.25	PASS
		1	74	21.06	22.96	PASS
		37	0	20.91	22.81	PASS
		37	18	20.10	22.00	PASS
		37	38	20.18	22.08	PASS
		75	0	20.41	22.31	PASS
	HCH	1	0	21.43	23.33	PASS
		1	37	21.47	23.37	PASS
		1	74	<b>22.50</b>	<b>24.40</b>	PASS
		37	0	20.06	21.96	PASS
		37	18	20.33	22.23	PASS
		37	38	20.73	22.63	PASS
		75	0	20.55	22.45	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	22.68	24.58	PASS
		1	49	22.04	23.94	PASS
		1	99	21.87	23.77	PASS
		50	0	21.19	23.09	PASS
		50	25	21.03	22.93	PASS
		50	50	20.89	22.79	PASS
		100	0	21.08	22.98	PASS
	MCH	1	0	22.47	24.37	PASS
		1	49	21.17	23.07	PASS
		1	99	21.71	23.61	PASS
		50	0	20.77	22.67	PASS
		50	25	20.05	21.95	PASS
		50	50	20.14	22.04	PASS
		100	0	20.30	22.20	PASS
16QAM	HCH	1	0	21.57	23.47	PASS
		1	49	21.97	23.87	PASS
		1	99	<b>23.44</b>	<b>25.34</b>	PASS
		50	0	20.42	22.32	PASS
		50	25	20.96	22.86	PASS
		50	50	21.39	23.29	PASS
		100	0	20.99	22.89	PASS
	LCH	1	0	21.88	23.78	PASS
		1	49	21.24	23.14	PASS
		1	99	21.05	22.95	PASS
		50	0	20.22	22.12	PASS
		50	25	20.06	21.96	PASS
		50	50	20.08	21.98	PASS
		100	0	20.13	22.03	PASS
	MCH	1	0	21.67	23.57	PASS
		1	49	20.35	22.25	PASS
		1	99	20.89	22.79	PASS
		50	0	20.78	22.68	PASS
		50	25	20.06	21.96	PASS
		50	50	20.02	21.92	PASS
		100	0	20.33	22.23	PASS

		1	0	20.76	22.66	PASS
		1	49	21.16	23.06	PASS
		1	99	<b>22.20</b>	<b>24.10</b>	PASS
	HCH	50	0	20.12	22.02	PASS
		50	25	20.47	22.37	PASS
		50	50	20.43	22.33	PASS
		100	0	20.02	21.92	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	4.12	<13	PASS
		1	3	4.05	<13	PASS
		1	5	4.15	<13	PASS
		3	0	4.22	<13	PASS
		3	2	4.19	<13	PASS
		3	3	4.27	<13	PASS
		6	0	4.84	<13	PASS
	MCH	1	0	4.68	<13	PASS
		1	3	4.55	<13	PASS
		1	5	4.67	<13	PASS
		3	0	4.87	<13	PASS
		3	2	4.72	<13	PASS
		3	3	4.82	<13	PASS
		6	0	5.30	<13	PASS
16QAM	LCH	1	0	4.08	<13	PASS
		1	3	4.03	<13	PASS
		1	5	4.14	<13	PASS
		3	0	4.24	<13	PASS
		3	2	4.19	<13	PASS
		3	3	4.27	<13	PASS
		6	0	4.78	<13	PASS
	MCH	1	0	4.87	<13	PASS
		1	3	4.81	<13	PASS
		1	5	4.95	<13	PASS
		3	0	5.16	<13	PASS
		3	2	5.10	<13	PASS
		3	3	5.23	<13	PASS
		6	0	5.69	<13	PASS

	HCH	3	2	5.67	<13	PASS
		3	3	5.76	<13	PASS
		6	0	6.14	<13	PASS
		1	0	4.90	<13	PASS
		1	3	4.84	<13	PASS
		1	5	5.00	<13	PASS
		3	0	5.12	<13	PASS
		3	2	5.06	<13	PASS
		3	3	5.17	<13	PASS
		6	0	5.65	<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	4.03	<13	PASS
		1	7	4.03	<13	PASS
		1	14	4.20	<13	PASS
		8	0	4.67	<13	PASS
		8	4	4.64	<13	PASS
		8	7	4.71	<13	PASS
		15	0	4.92	<13	PASS
	MCH	1	0	4.66	<13	PASS
		1	7	4.55	<13	PASS
		1	14	4.66	<13	PASS
		8	0	5.07	<13	PASS
		8	4	5.00	<13	PASS
		8	7	5.07	<13	PASS
		15	0	5.39	<13	PASS
	HCH	1	0	4.04	<13	PASS
		1	7	4.03	<13	PASS
		1	14	4.11	<13	PASS
		8	0	4.57	<13	PASS
		8	4	4.55	<13	PASS
		8	7	4.60	<13	PASS
		15	0	4.77	<13	PASS
16QAM	LCH	1	0	4.86	<13	PASS
		1	7	4.84	<13	PASS
		1	14	4.95	<13	PASS
		8	0	5.52	<13	PASS

		8	4	5.46	<13	PASS
		8	7	5.57	<13	PASS
		15	0	5.90	<13	PASS
	MCH	1	0	5.37	<13	PASS
		1	7	5.34	<13	PASS
		1	14	5.39	<13	PASS
		8	0	5.87	<13	PASS
		8	4	5.84	<13	PASS
		8	7	5.89	<13	PASS
		15	0	6.27	<13	PASS
	HCH	1	0	4.76	<13	PASS
		1	7	4.67	<13	PASS
		1	14	4.85	<13	PASS
		8	0	5.42	<13	PASS
		8	4	5.39	<13	PASS
		8	7	5.47	<13	PASS
		15	0	5.71	<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	3.87	<13	PASS
		1	12	4.10	<13	PASS
		1	24	4.16	<13	PASS
		12	0	4.59	<13	PASS
		12	6	4.61	<13	PASS
		12	13	4.70	<13	PASS
		25	0	4.97	<13	PASS
	MCH	1	0	4.55	<13	PASS
		1	12	4.52	<13	PASS
		1	24	4.50	<13	PASS
		12	0	4.96	<13	PASS
		12	6	4.90	<13	PASS
		12	13	4.96	<13	PASS
		25	0	5.38	<13	PASS
	HCH	1	0	3.98	<13	PASS
		1	12	3.98	<13	PASS
		1	24	3.98	<13	PASS
		12	0	4.53	<13	PASS

		12	6	4.48	<13	PASS
		12	13	4.53	<13	PASS
		25	0	4.76	<13	PASS
16QAM	LCH	1	0	4.79	<13	PASS
		1	12	4.93	<13	PASS
		1	24	4.99	<13	PASS
		12	0	5.53	<13	PASS
		12	6	5.51	<13	PASS
		12	13	5.58	<13	PASS
		25	0	5.82	<13	PASS
	MCH	1	0	5.39	<13	PASS
		1	12	5.39	<13	PASS
		1	24	5.38	<13	PASS
		12	0	5.86	<13	PASS
		12	6	5.80	<13	PASS
		12	13	5.84	<13	PASS
		25	0	6.16	<13	PASS
	HCH	1	0	4.76	<13	PASS
		1	12	4.87	<13	PASS
		1	24	4.80	<13	PASS
		12	0	5.42	<13	PASS
		12	6	5.38	<13	PASS
		12	13	5.42	<13	PASS
		25	0	5.62	<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	3.88	<13	PASS
		1	24	4.20	<13	PASS
		1	49	4.39	<13	PASS
		25	0	4.68	<13	PASS
		25	12	4.71	<13	PASS
		25	25	4.88	<13	PASS
		50	0	5.18	<13	PASS
	MCH	1	0	4.53	<13	PASS
		1	24	4.54	<13	PASS
		1	49	4.46	<13	PASS
		25	0	5.01	<13	PASS

HCH	HCH	25	12	4.94	<13	PASS
		25	25	5.00	<13	PASS
		50	0	5.49	<13	PASS
		1	0	4.16	<13	PASS
		1	24	4.12	<13	PASS
		1	49	3.98	<13	PASS
		25	0	4.65	<13	PASS
		25	12	4.57	<13	PASS
16QAM	LCH	25	25	4.55	<13	PASS
		50	0	4.96	<13	PASS
		1	0	4.61	<13	PASS
		1	24	4.86	<13	PASS
		1	49	5.15	<13	PASS
		25	0	5.59	<13	PASS
		25	12	5.58	<13	PASS
	MCH	25	25	5.78	<13	PASS
		50	0	5.97	<13	PASS
		1	0	5.23	<13	PASS
		1	24	5.37	<13	PASS
		1	49	5.26	<13	PASS
		25	0	5.88	<13	PASS
		25	12	5.83	<13	PASS
	HCH	25	25	5.88	<13	PASS
		50	0	6.21	<13	PASS
		1	0	4.94	<13	PASS
		1	24	4.90	<13	PASS
		1	49	4.74	<13	PASS
		25	0	5.58	<13	PASS
		25	12	5.45	<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	3.95	<13	PASS
		1	37	4.33	<13	PASS
		1	74	4.50	<13	PASS
		37	0	4.75	<13	PASS

	MCH	37	18	4.84	<13	PASS
		37	38	4.97	<13	PASS
		75	0	5.41	<13	PASS
		1	0	4.51	<13	PASS
		1	37	4.55	<13	PASS
		1	74	4.41	<13	PASS
		37	0	5.05	<13	PASS
	HCH	37	18	4.95	<13	PASS
		37	38	4.98	<13	PASS
		75	0	5.60	<13	PASS
		1	0	4.34	<13	PASS
		1	37	4.20	<13	PASS
		1	74	4.03	<13	PASS
		37	0	4.81	<13	PASS
16QAM	LCH	37	18	4.67	<13	PASS
		37	38	4.63	<13	PASS
		75	0	5.29	<13	PASS
		1	0	4.70	<13	PASS
		1	37	5.20	<13	PASS
		1	74	5.26	<13	PASS
		37	0	5.65	<13	PASS
	MCH	37	18	5.71	<13	PASS
		37	38	5.88	<13	PASS
		75	0	6.18	<13	PASS
		1	0	5.31	<13	PASS
		1	37	5.29	<13	PASS
		1	74	5.15	<13	PASS
		37	0	5.93	<13	PASS
	HCH	37	18	5.84	<13	PASS
		37	38	5.88	<13	PASS
		75	0	6.32	<13	PASS
		1	0	5.13	<13	PASS
		1	37	4.94	<13	PASS
		1	74	4.81	<13	PASS
		37	0	5.71	<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	4.06	<13	PASS
		1	49	4.42	<13	PASS
		1	99	4.57	<13	PASS
		50	0	4.89	<13	PASS
		50	25	4.97	<13	PASS
		50	50	5.05	<13	PASS
		100	0	5.30	<13	PASS
	MCH	1	0	4.52	<13	PASS
		1	49	4.53	<13	PASS
		1	99	4.41	<13	PASS
		50	0	5.10	<13	PASS
		50	25	4.99	<13	PASS
		50	50	5.03	<13	PASS
		100	0	5.40	<13	PASS
16QAM	LCH	1	0	4.49	<13	PASS
		1	49	4.28	<13	PASS
		1	99	4.18	<13	PASS
		50	0	4.95	<13	PASS
		50	25	4.79	<13	PASS
		50	50	4.74	<13	PASS
		100	0	5.20	<13	PASS
	MCH	1	0	4.71	<13	PASS
		1	49	5.12	<13	PASS
		1	99	5.26	<13	PASS
		50	0	5.79	<13	PASS
		50	25	5.86	<13	PASS
		50	50	5.94	<13	PASS
		100	0	6.10	<13	PASS

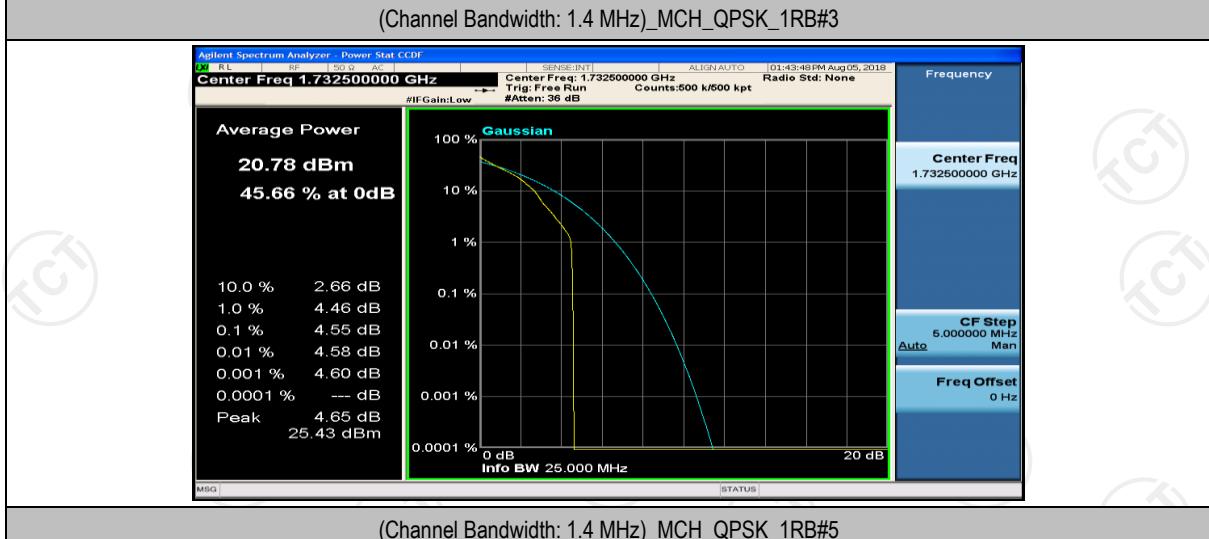
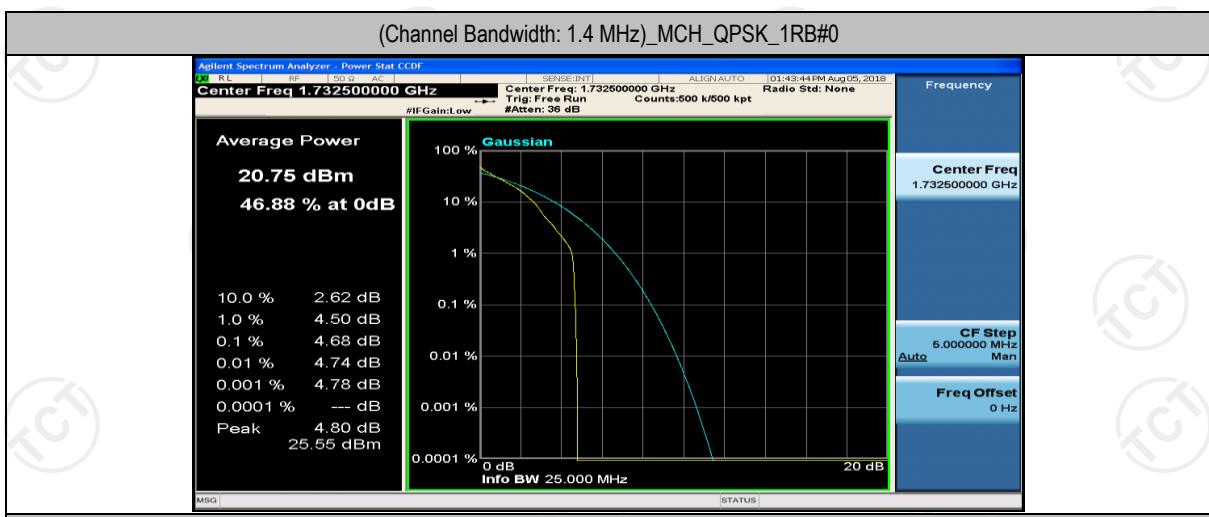
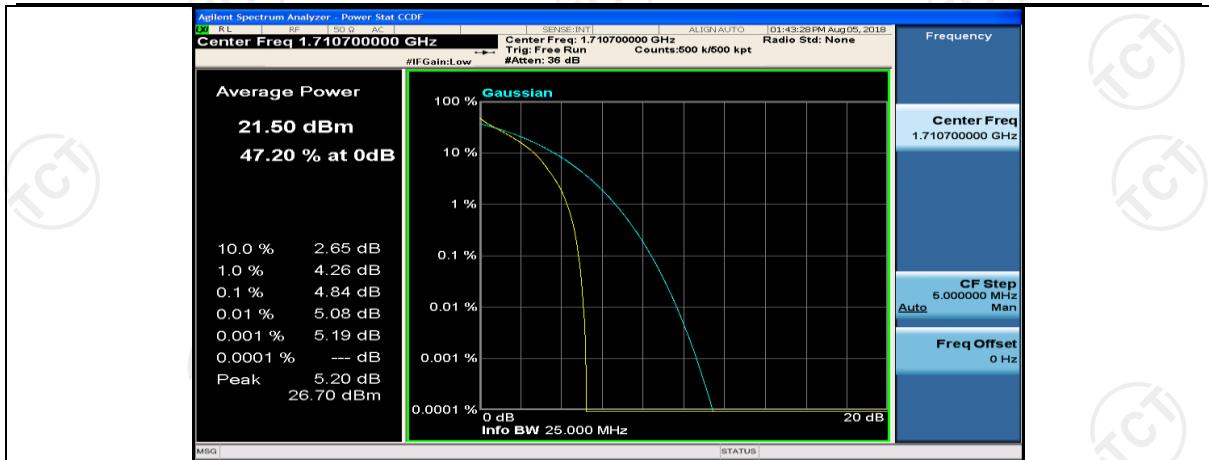
HCH	1	0	5.21	<13	PASS
	1	49	4.94	<13	PASS
	1	99	4.80	<13	PASS
	50	0	5.81	<13	PASS
	50	25	5.68	<13	PASS
	50	50	5.65	<13	PASS
	100	0	5.98	<13	PASS

## Test Graphs

### Channel Bandwidth: 1.4 MHz



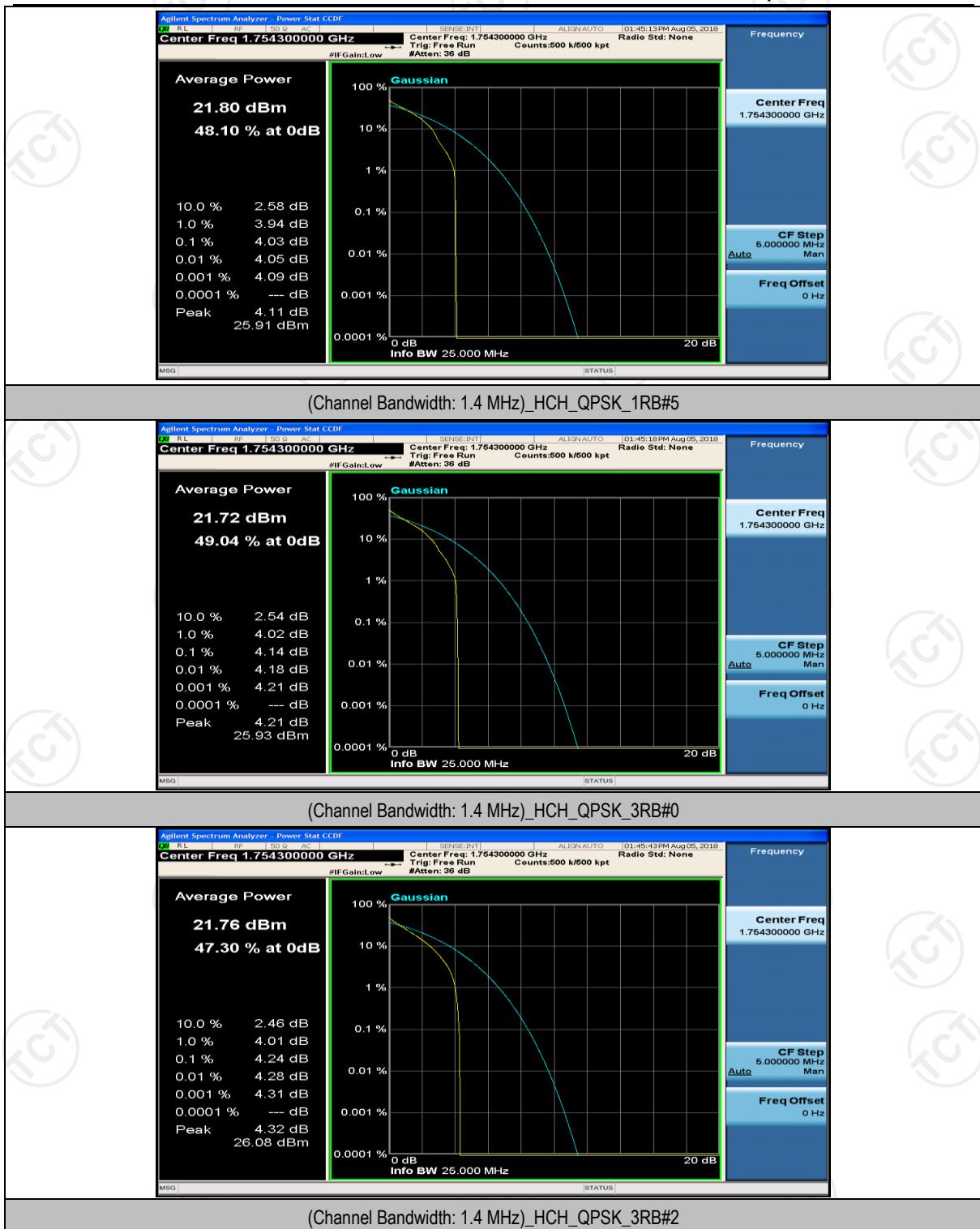




**(Channel Bandwidth: 1.4 MHz)\_MCH\_QPSK\_1RB#5**



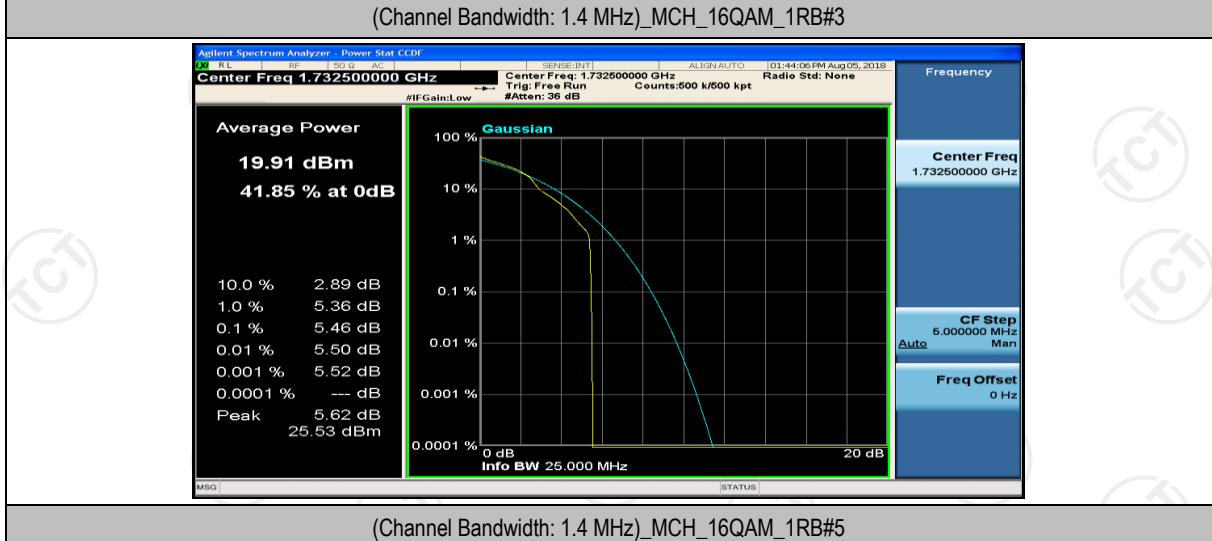
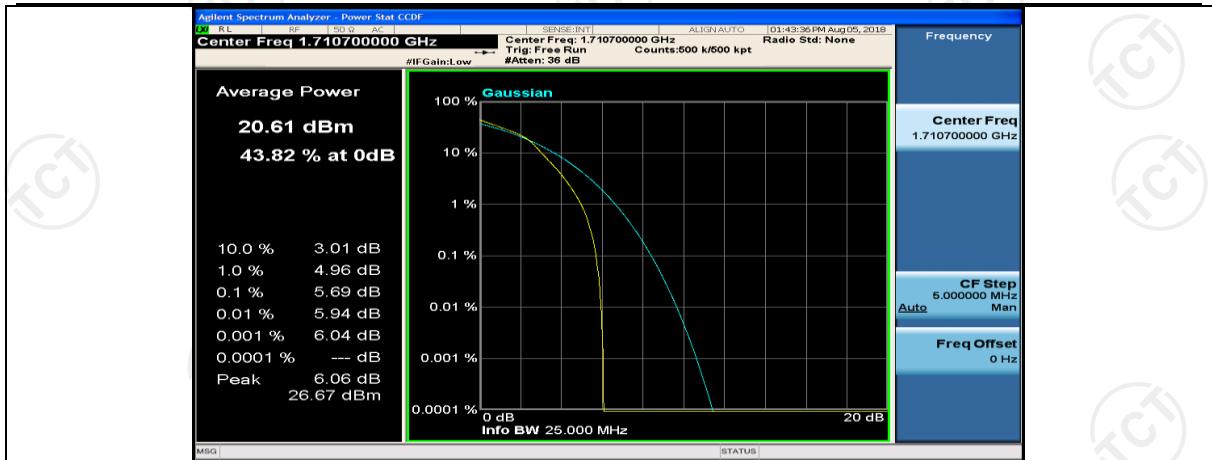












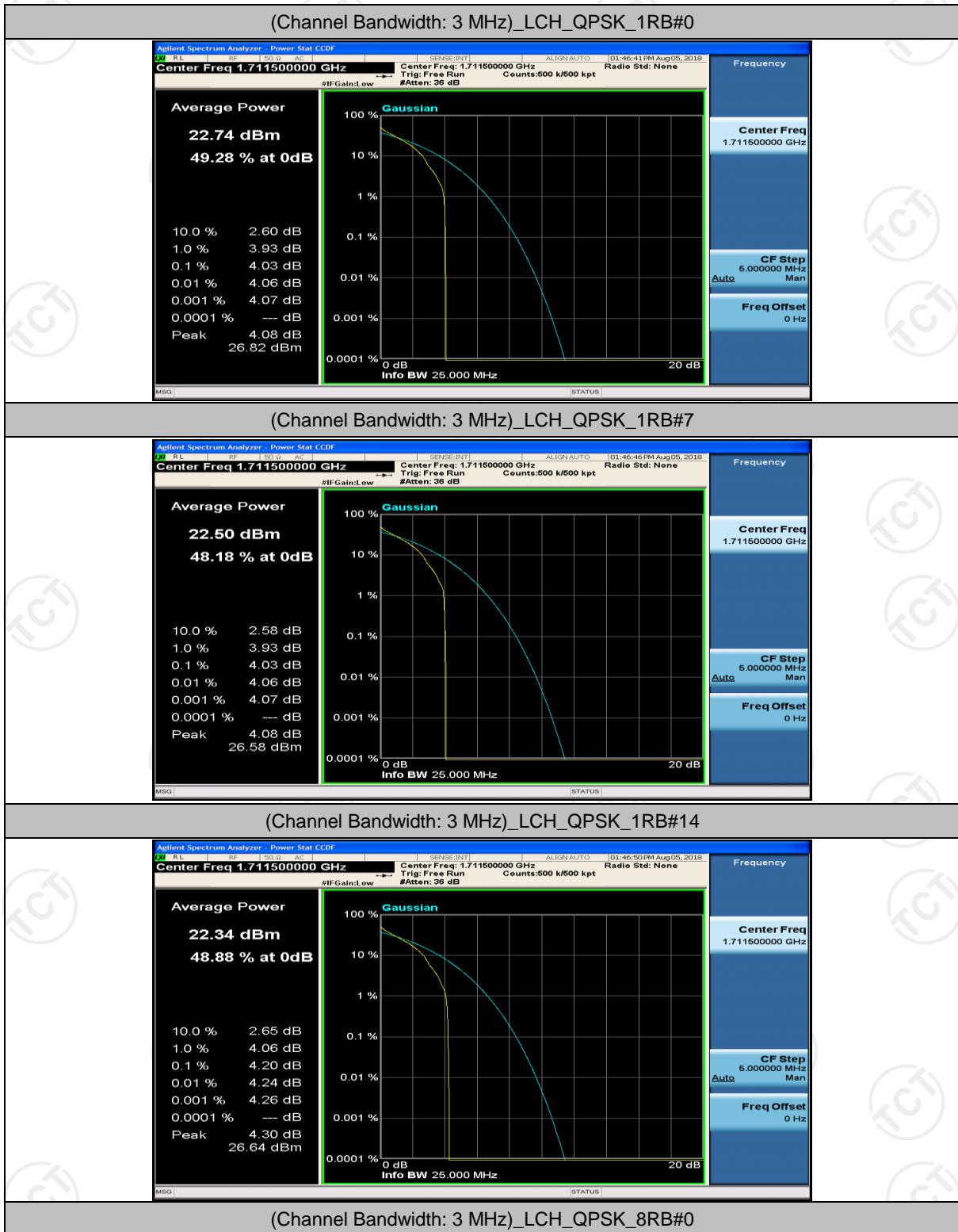


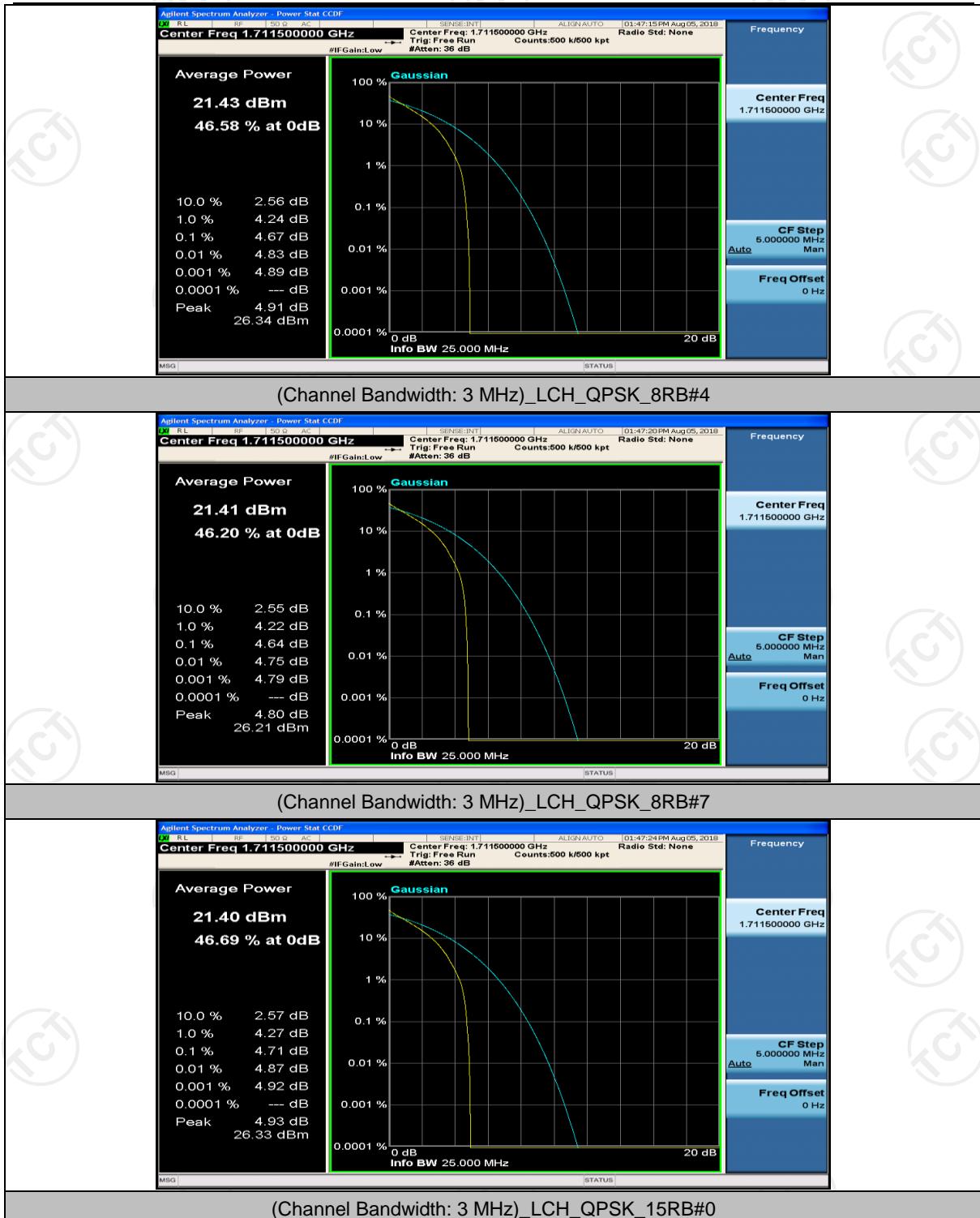


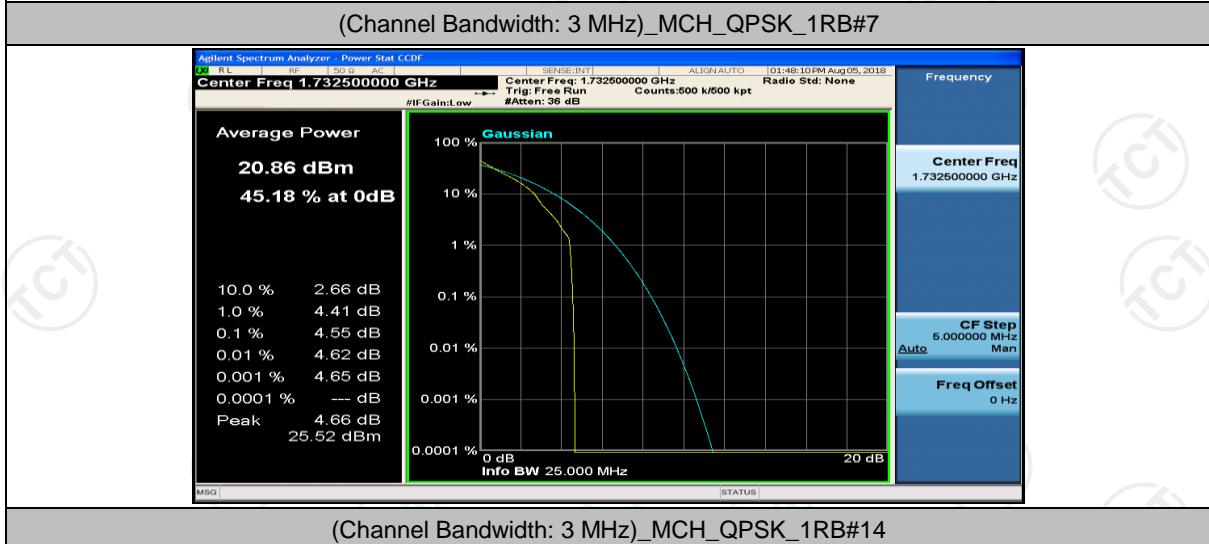
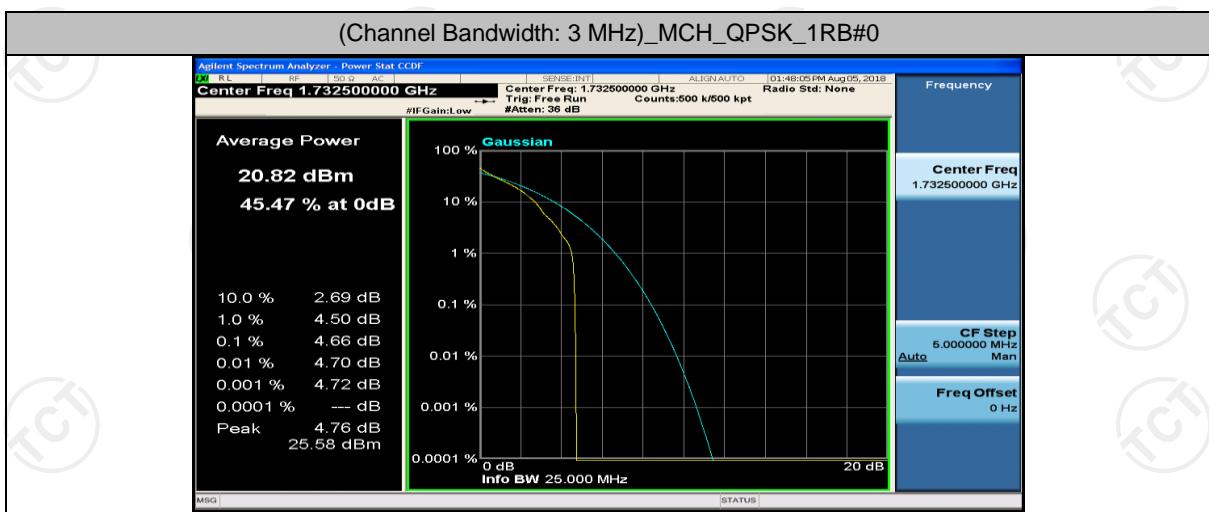




## Channel Bandwidth: 3 MHz

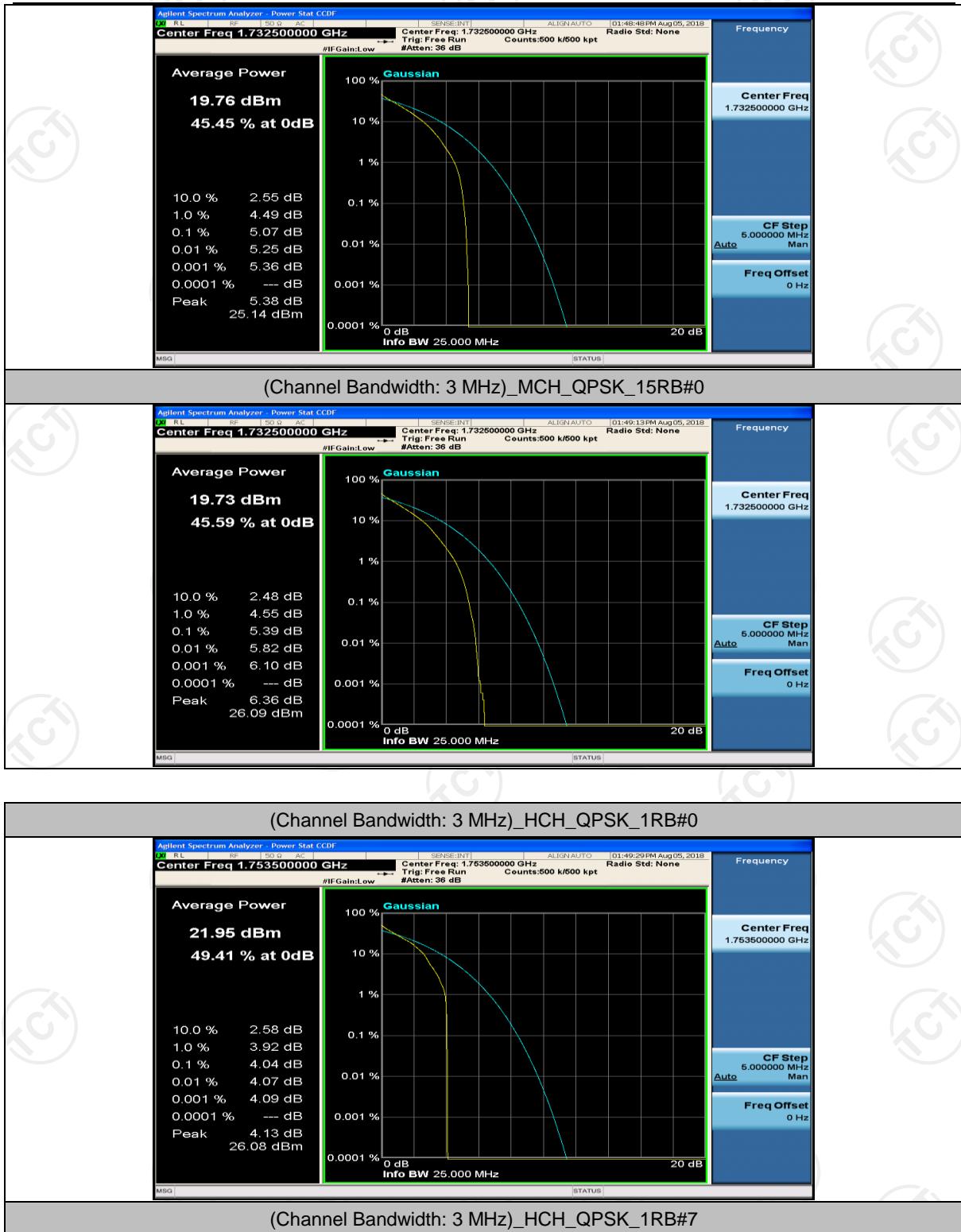


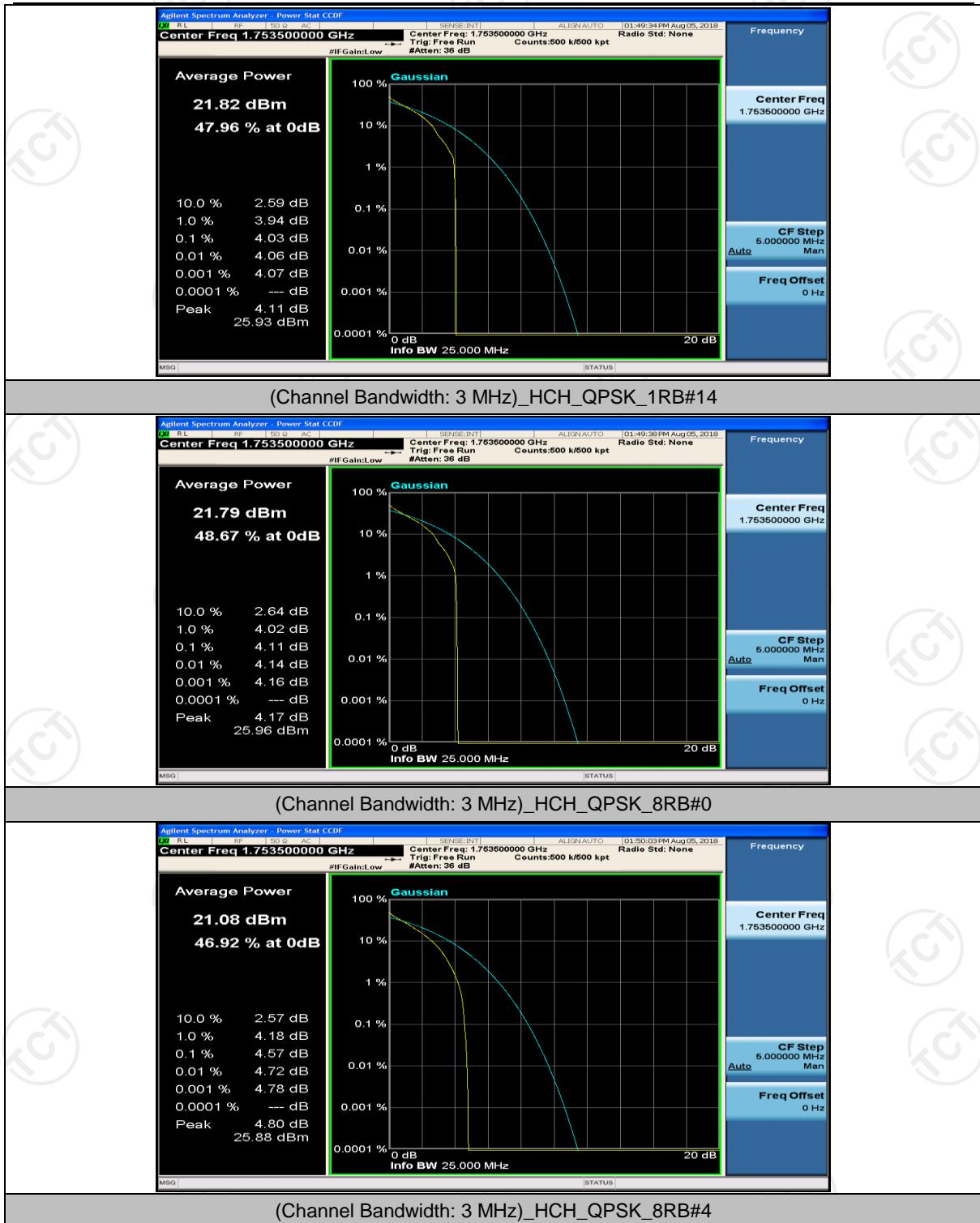




**(Channel Bandwidth: 3 MHz)\_MCH\_QPSK\_1RB#14**

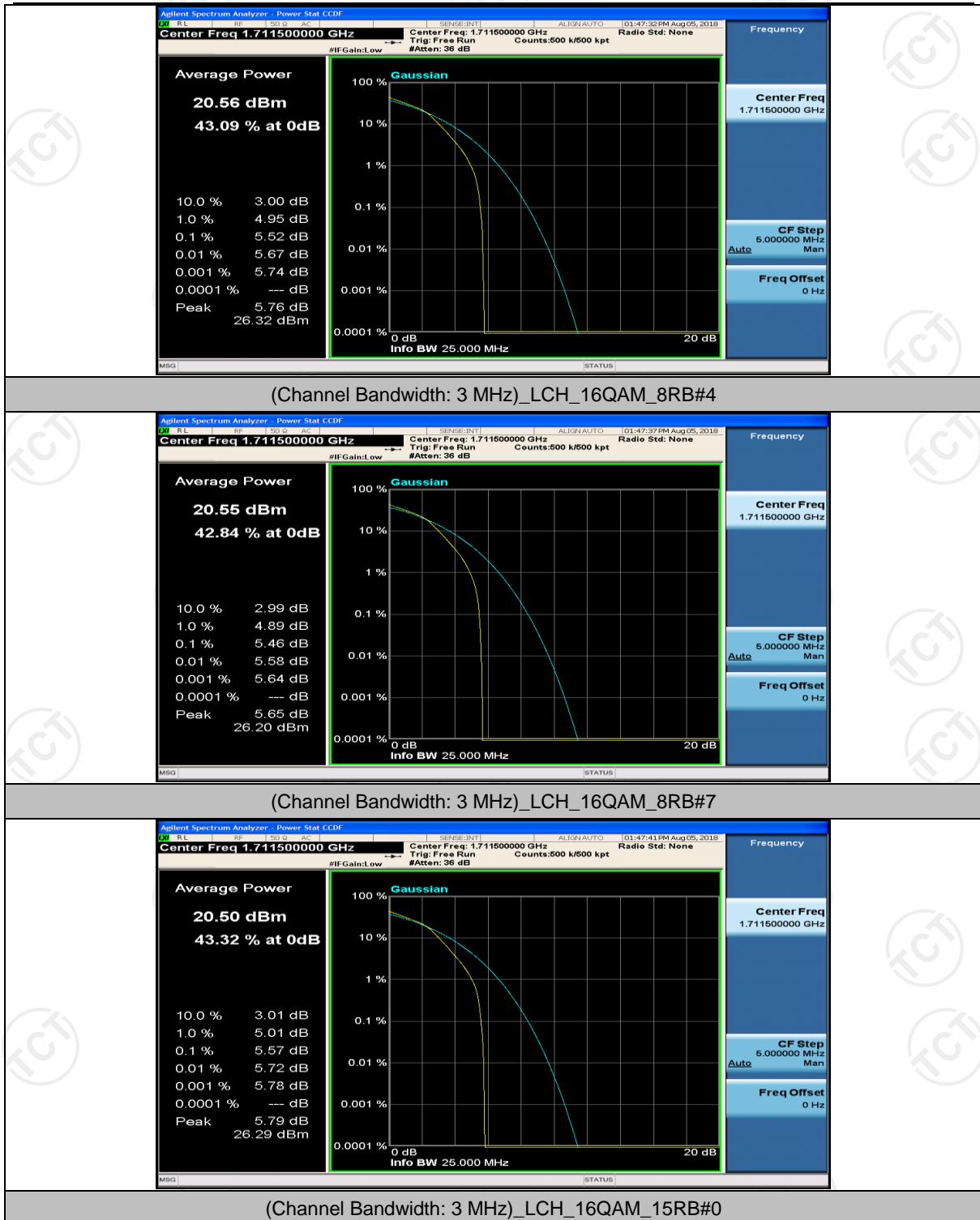


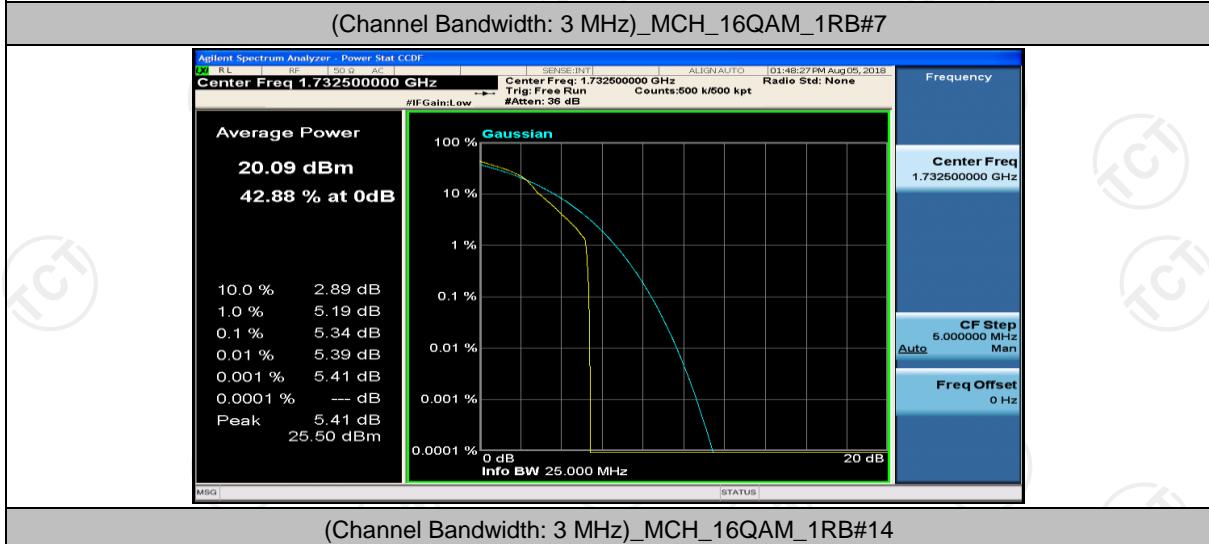
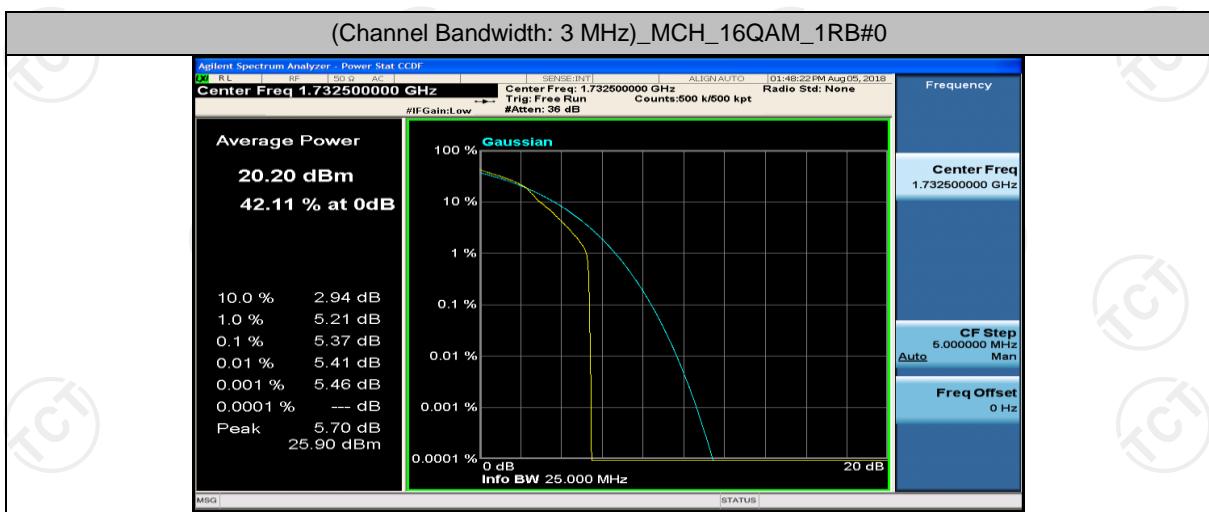
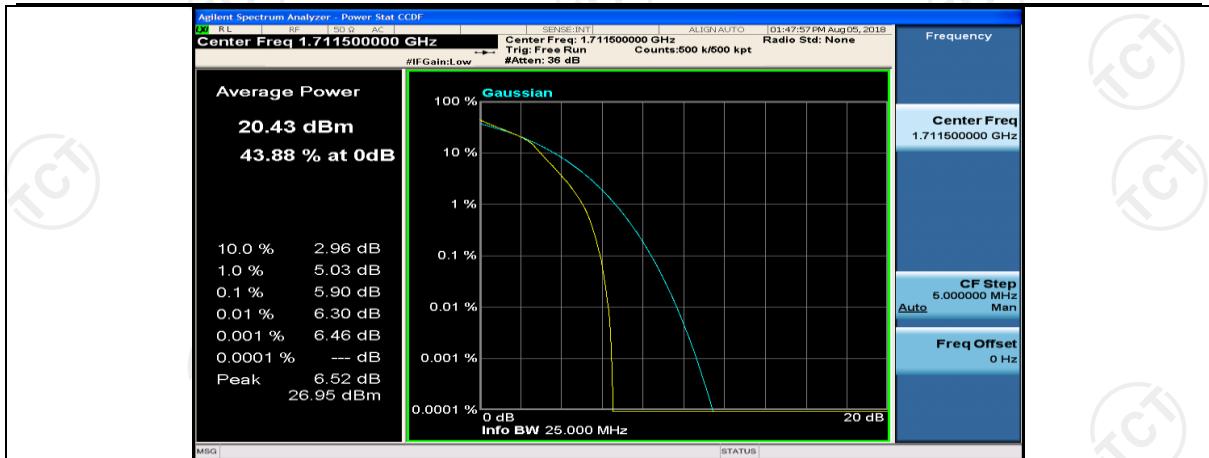






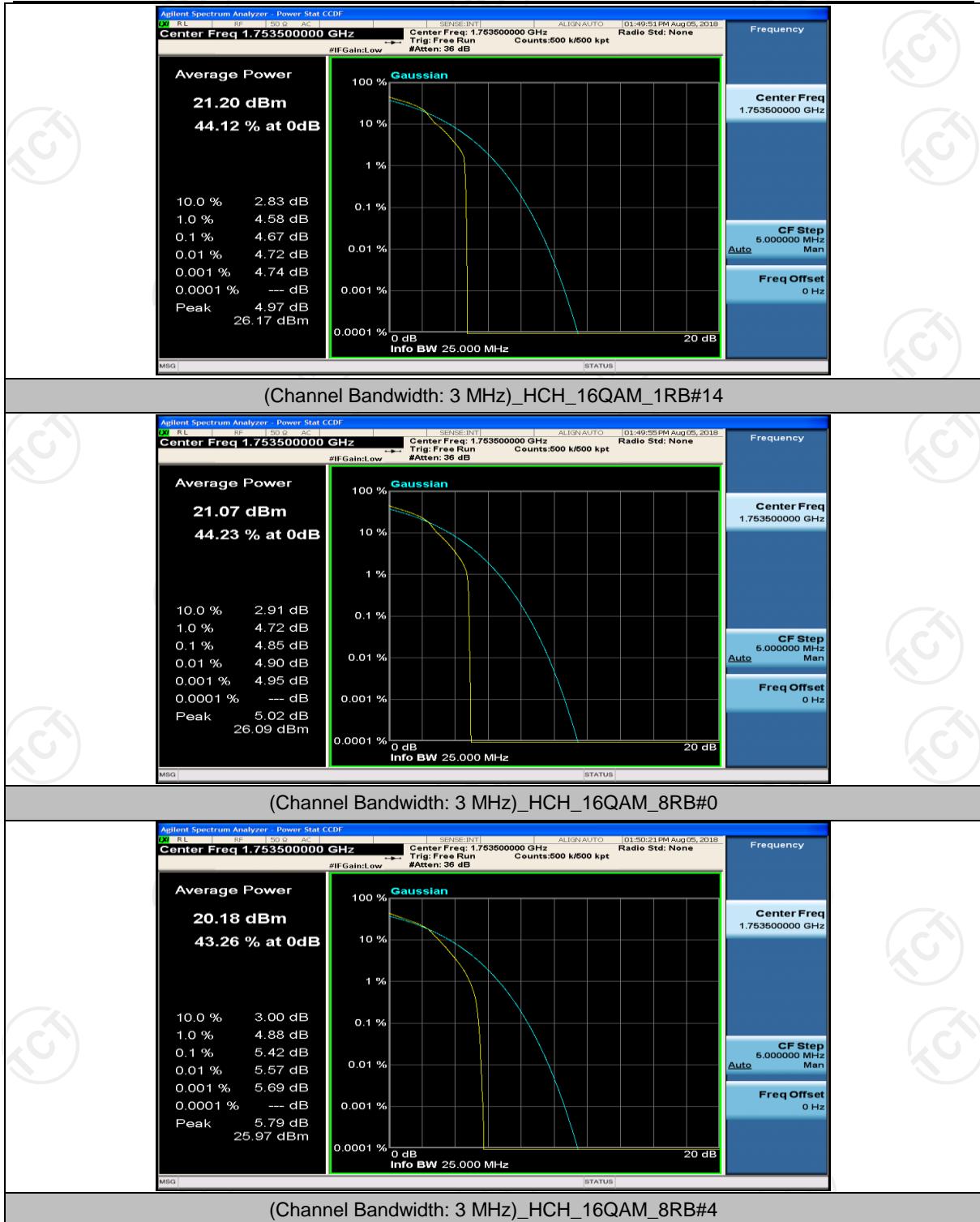














## Channel Bandwidth: 5 MHz

