

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	22.94	23.54	PASS
		1	3	23.12	23.72	PASS
		1	5	23.00	23.60	PASS
		3	0	23.12	23.72	PASS
		3	2	23.10	23.70	PASS
		3	3	23.09	23.69	PASS
		6	0	22.02	22.62	PASS
	MCH	1	0	23.00	23.60	PASS
		1	3	23.07	23.67	PASS
		1	5	22.99	23.59	PASS
		3	0	23.07	23.67	PASS
		3	2	23.04	23.64	PASS
		3	3	23.08	23.68	PASS
		6	0	22.01	22.61	PASS
16QAM	LCH	1	0	23.01	23.61	PASS
		1	3	23.12	23.72	PASS
		1	5	22.97	23.57	PASS
		3	0	23.08	23.68	PASS
		3	2	23.09	23.69	PASS
		3	3	23.07	23.67	PASS
		6	0	22.05	22.65	PASS
	MCH	1	0	22.14	22.74	PASS
		1	3	22.29	22.89	PASS
		1	5	22.17	22.77	PASS
		3	0	22.02	22.62	PASS
		3	2	22.02	22.62	PASS
		3	3	22.01	22.61	PASS
		6	0	21.11	21.71	PASS

		3	3	22.01	22.61	PASS
		6	0	20.95	21.55	PASS
HCH	HCH	1	0	22.13	22.73	PASS
		1	3	22.25	22.85	PASS
		1	5	22.15	22.75	PASS
		3	0	21.98	22.58	PASS
		3	2	22.00	22.60	PASS
		3	3	21.99	22.59	PASS
		6	0	21.12	21.72	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	23.10	23.70	PASS
		1	7	23.08	23.68	PASS
		1	14	23.10	23.70	PASS
		8	0	22.17	22.77	PASS
		8	4	22.14	22.74	PASS
		8	7	22.12	22.72	PASS
		15	0	22.12	22.72	PASS
	MCH	1	0	23.11	23.71	PASS
		1	7	23.08	23.68	PASS
		1	14	23.07	23.67	PASS
		8	0	22.12	22.72	PASS
		8	4	22.11	22.71	PASS
		8	7	22.06	22.66	PASS
		15	0	22.08	22.68	PASS
	HCH	1	0	23.15	23.75	PASS
		1	7	23.19	23.79	PASS
		1	14	23.18	23.78	PASS
		8	0	22.17	22.77	PASS
		8	4	22.19	22.79	PASS
		8	7	22.13	22.73	PASS
		15	0	22.13	22.73	PASS
16QAM	LCH	1	0	22.30	22.90	PASS
		1	7	22.29	22.89	PASS
		1	14	22.32	22.92	PASS
		8	0	21.27	21.87	PASS
		8	4	21.26	21.86	PASS
		8	7	21.22	21.82	PASS

		15	0	21.21	21.81	PASS
MCH		1	0	22.36	22.96	PASS
		1	7	22.24	22.84	PASS
		1	14	22.27	22.87	PASS
		8	0	21.17	21.77	PASS
		8	4	21.15	21.75	PASS
		8	7	21.15	21.75	PASS
		15	0	21.06	21.66	PASS
HCH		1	0	22.04	22.64	PASS
		1	7	22.07	22.67	PASS
		1	14	22.10	22.70	PASS
		8	0	21.22	21.82	PASS
		8	4	21.23	21.83	PASS
		8	7	21.17	21.77	PASS
		15	0	21.14	21.74	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	23.09	23.69	PASS
		1	12	23.24	23.84	PASS
		1	24	23.09	23.69	PASS
		12	0	22.22	22.82	PASS
		12	6	22.16	22.76	PASS
		12	13	22.11	22.71	PASS
		25	0	22.15	22.75	PASS
QPSK	MCH	1	0	23.07	23.67	PASS
		1	12	23.18	23.78	PASS
		1	24	23.06	23.66	PASS
		12	0	22.09	22.69	PASS
		12	6	22.09	22.69	PASS
		12	13	22.08	22.68	PASS
		25	0	22.08	22.68	PASS
QPSK	HCH	1	0	23.08	23.68	PASS
		1	12	23.22	23.82	PASS
		1	24	23.13	23.73	PASS
		12	0	22.25	22.85	PASS
		12	6	22.28	22.88	PASS
		12	13	21.97	22.57	PASS
		25	0	22.16	22.76	PASS

16QAM	LCH	1	0	22.15	22.75	PASS
		1	12	22.19	22.79	PASS
		1	24	22.14	22.74	PASS
		12	0	21.26	21.86	PASS
		12	6	21.22	21.82	PASS
		12	13	21.15	21.75	PASS
		25	0	21.24	21.84	PASS
	MCH	1	0	22.32	22.92	PASS
		1	12	22.40	23.00	PASS
		1	24	22.29	22.89	PASS
		12	0	21.19	21.79	PASS
		12	6	21.19	21.79	PASS
		12	13	21.12	21.72	PASS
		25	0	21.18	21.78	PASS
	HCH	1	0	22.12	22.72	PASS
		1	12	22.19	22.79	PASS
		1	24	22.15	22.75	PASS
		12	0	21.38	21.98	PASS
		12	6	21.34	21.94	PASS
		12	13	21.06	21.66	PASS
		25	0	21.23	21.83	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	23.17	23.77	PASS
		1	24	23.22	23.82	PASS
		1	49	23.08	23.68	PASS
		25	0	22.35	22.95	PASS
		25	12	22.33	22.93	PASS
		25	25	22.09	22.69	PASS
		50	0	22.20	22.80	PASS
	MCH	1	0	23.08	23.68	PASS
		1	24	23.17	23.77	PASS
		1	49	23.03	23.63	PASS
		25	0	22.12	22.72	PASS
		25	12	22.11	22.71	PASS
		25	25	21.99	22.59	PASS
		50	0	22.03	22.63	PASS
	HCH	1	0	23.11	23.71	PASS

16QAM		1	24	23.19	23.79	PASS
		1	49	23.14	23.74	PASS
		25	0	21.99	22.59	PASS
		25	12	21.99	22.59	PASS
		25	25	21.88	22.48	PASS
		50	0	21.88	22.48	PASS
	LCH	1	0	22.32	22.92	PASS
		1	24	22.47	23.07	PASS
		1	49	22.29	22.89	PASS
		25	0	21.37	21.97	PASS
		25	12	21.40	22.00	PASS
		25	25	21.16	21.76	PASS
		50	0	21.24	21.84	PASS
	MCH	1	0	22.29	22.89	PASS
		1	24	22.42	23.02	PASS
		1	49	22.27	22.87	PASS
		25	0	21.19	21.79	PASS
		25	12	21.16	21.76	PASS
		25	25	21.10	21.70	PASS
		50	0	21.11	21.71	PASS
	HCH	1	0	22.06	22.66	PASS
		1	24	22.08	22.68	PASS
		1	49	22.06	22.66	PASS
		25	0	21.09	21.69	PASS
		25	12	21.08	21.68	PASS
		25	25	21.01	21.61	PASS
		50	0	20.98	21.58	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	23.02	23.62	PASS
		1	37	23.10	23.70	PASS
		1	74	22.97	23.57	PASS
		37	0	22.23	22.83	PASS
		37	18	22.21	22.81	PASS
		37	38	22.24	22.84	PASS
		75	0	22.20	22.80	PASS
	MCH	1	0	22.99	23.59	PASS
		1	37	23.07	23.67	PASS

	HCH	1	74	22.99	23.59	PASS
		37	0	22.02	22.62	PASS
		37	18	22.00	22.60	PASS
		37	38	22.00	22.60	PASS
		75	0	22.01	22.61	PASS
		1	0	23.08	23.68	PASS
		1	37	23.09	23.69	PASS
		1	74	23.08	23.68	PASS
		37	0	21.90	22.50	PASS
		37	18	21.93	22.53	PASS
16QAM	LCH	37	38	21.95	22.55	PASS
		75	0	21.97	22.57	PASS
		1	0	22.25	22.85	PASS
		1	37	22.30	22.90	PASS
		1	74	22.24	22.84	PASS
		37	0	22.19	22.79	PASS
		37	18	22.20	22.80	PASS
	MCH	37	38	22.22	22.82	PASS
		75	0	21.18	21.78	PASS
		1	0	22.30	22.90	PASS
		1	37	22.40	23.00	PASS
		1	74	22.32	22.92	PASS
		37	0	22.00	22.60	PASS
		37	18	22.00	22.60	PASS
	HCH	37	38	22.00	22.60	PASS
		75	0	21.06	21.66	PASS
		1	0	21.94	22.54	PASS
		1	37	22.02	22.62	PASS
		1	74	21.93	22.53	PASS
		37	0	22.00	22.60	PASS
		37	18	21.99	22.59	PASS
		37	38	21.98	22.58	PASS
		75	0	20.98	21.58	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	22.96	23.56	PASS
		1	49	23.27	23.87	PASS
		1	99	22.92	23.52	PASS

		50	0	22.34	22.94	PASS
			25	22.34	22.94	PASS
			50	22.13	22.73	PASS
			100	22.23	22.83	PASS
		MCH	1	22.89	23.49	PASS
			1	23.22	23.82	PASS
			1	22.83	23.43	PASS
			50	21.81	22.41	PASS
		HCH	50	21.81	22.41	PASS
			50	21.79	22.39	PASS
			100	21.80	22.40	PASS
			1	22.79	23.39	PASS
		LCH	1	23.10	23.70	PASS
			1	22.80	23.40	PASS
			50	22.00	22.60	PASS
			50	21.98	22.58	PASS
		16QAM	50	21.99	22.59	PASS
			100	22.00	22.60	PASS
			1	21.97	22.57	PASS
			1	22.32	22.92	PASS
		MCH	1	21.93	22.53	PASS
			50	21.40	22.00	PASS
			50	21.37	21.97	PASS
			50	21.16	21.76	PASS
		HCH	100	21.29	21.89	PASS
			1	22.06	22.66	PASS
			1	22.36	22.96	PASS
			1	22.01	22.61	PASS
			50	20.93	21.53	PASS
			50	20.94	21.54	PASS
			50	20.87	21.47	PASS
			100	20.88	21.48	PASS
			1	21.85	22.45	PASS
			1	22.22	22.82	PASS
			1	21.88	22.48	PASS
			50	21.10	21.70	PASS
			50	21.10	21.70	PASS
			50	21.13	21.73	PASS
			100	21.08	21.68	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	5.14	<13	PASS
		1	3	5.03	<13	PASS
		1	5	5.15	<13	PASS
		3	0	5	<13	PASS
		3	2	4.93	<13	PASS
		3	3	4.98	<13	PASS
		6	0	5.25	<13	PASS
	MCH	1	0	4.97	<13	PASS
		1	3	4.99	<13	PASS
		1	5	4.79	<13	PASS
		3	0	4.86	<13	PASS
		3	2	4.81	<13	PASS
		3	3	4.85	<13	PASS
		6	0	5.37	<13	PASS
16QAM	LCH	1	0	4.68	<13	PASS
		1	3	4.62	<13	PASS
		1	5	4.73	<13	PASS
		3	0	4.69	<13	PASS
		3	2	4.67	<13	PASS
		3	3	4.73	<13	PASS
		6	0	5.46	<13	PASS
	MCH	1	0	6.01	<13	PASS
		1	3	6.11	<13	PASS
		1	5	5.94	<13	PASS
		3	0	5.76	<13	PASS
		3	2	5.8	<13	PASS
		3	3	5.77	<13	PASS
		6	0	6.13	<13	PASS

		3	0	5.64	<13	PASS
		3	2	5.57	<13	PASS
		3	3	5.62	<13	PASS
		6	0	6.05	<13	PASS
HCH	HCH	1	0	5.39	<13	PASS
		1	3	5.42	<13	PASS
		1	5	5.43	<13	PASS
		3	0	5.72	<13	PASS
		3	2	5.82	<13	PASS
		3	3	5.66	<13	PASS
		6	0	6.3	<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	5.18	<13	PASS
		1	7	5	<13	PASS
		1	14	5	<13	PASS
		8	0	5.44	<13	PASS
		8	4	5.41	<13	PASS
		8	7	5.6	<13	PASS
		15	0	5.59	<13	PASS
	MCH	1	0	4.76	<13	PASS
		1	7	4.85	<13	PASS
		1	14	5.06	<13	PASS
		8	0	5.25	<13	PASS
		8	4	5.32	<13	PASS
		8	7	5.34	<13	PASS
		15	0	5.33	<13	PASS
	HCH	1	0	4.56	<13	PASS
		1	7	4.79	<13	PASS
		1	14	4.67	<13	PASS
		8	0	5.28	<13	PASS
		8	4	5.29	<13	PASS
		8	7	5.27	<13	PASS
		15	0	5.33	<13	PASS
16QAM	LCH	1	0	5.84	<13	PASS
		1	7	6	<13	PASS
		1	14	6.04	<13	PASS
		8	0	6.33	<13	PASS

		8	4	6.32	<13	PASS
		8	7	6.45	<13	PASS
		15	0	6.49	<13	PASS
MCH		1	0	5.63	<13	PASS
		1	7	5.77	<13	PASS
		1	14	5.88	<13	PASS
		8	0	6.03	<13	PASS
		8	4	6.06	<13	PASS
		8	7	6.25	<13	PASS
		15	0	6.25	<13	PASS
HCH		1	0	5.35	<13	PASS
		1	7	5.42	<13	PASS
		1	14	5.3	<13	PASS
		8	0	6.09	<13	PASS
		8	4	6.11	<13	PASS
		8	7	6.15	<13	PASS
		15	0	6.05	<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	5.29	<13	PASS
		1	12	5.38	<13	PASS
		1	24	5.39	<13	PASS
		12	0	5.45	<13	PASS
		12	6	5.5	<13	PASS
		12	13	5.52	<13	PASS
		25	0	5.61	<13	PASS
	MCH	1	0	5.13	<13	PASS
		1	12	5.09	<13	PASS
		1	24	5.44	<13	PASS
		12	0	5.3	<13	PASS
		12	6	5.34	<13	PASS
		12	13	5.45	<13	PASS
		25	0	5.4	<13	PASS
	HCH	1	0	4.75	<13	PASS
		1	12	4.9	<13	PASS
		1	24	4.83	<13	PASS
		12	0	5.39	<13	PASS
		12	6	5.4	<13	PASS

		12	13	5.59	<13	PASS
		25	0	5.35	<13	PASS
16QAM	LCH	1	0	5.66	<13	PASS
		1	12	5.85	<13	PASS
		1	24	6.08	<13	PASS
		12	0	6.3	<13	PASS
		12	6	6.26	<13	PASS
		12	13	6.39	<13	PASS
		25	0	6.31	<13	PASS
	MCH	1	0	5.76	<13	PASS
		1	12	5.67	<13	PASS
		1	24	5.77	<13	PASS
		12	0	6.13	<13	PASS
		12	6	6.15	<13	PASS
		12	13	6.26	<13	PASS
		25	0	6.18	<13	PASS
	HCH	1	0	5.49	<13	PASS
		1	12	5.47	<13	PASS
		1	24	5.48	<13	PASS
		12	0	6.06	<13	PASS
		12	6	6.11	<13	PASS
		12	13	6.25	<13	PASS
		25	0	6.17	<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	4.99	<13	PASS
		1	24	5.12	<13	PASS
		1	49	5.21	<13	PASS
		25	0	5.48	<13	PASS
		25	12	5.55	<13	PASS
		25	25	5.72	<13	PASS
		50	0	5.59	<13	PASS
	MCH	1	0	5.02	<13	PASS
		1	24	4.84	<13	PASS
		1	49	5.11	<13	PASS
		25	0	5.37	<13	PASS
		25	12	5.38	<13	PASS
		25	25	5.5	<13	PASS

		50	0	5.35	<13	PASS
HCH	LCH	1	0	4.7	<13	PASS
		1	24	4.45	<13	PASS
		1	49	4.64	<13	PASS
		25	0	5.38	<13	PASS
		25	12	5.37	<13	PASS
		25	25	5.48	<13	PASS
		50	0	5.25	<13	PASS
16QAM	MCH	1	0	5.89	<13	PASS
		1	24	5.96	<13	PASS
		1	49	5.99	<13	PASS
		25	0	6.35	<13	PASS
		25	12	6.36	<13	PASS
		25	25	6.52	<13	PASS
		50	0	6.29	<13	PASS
	HCH	1	0	5.66	<13	PASS
		1	24	5.69	<13	PASS
		1	49	5.91	<13	PASS
		25	0	6.21	<13	PASS
		25	12	6.18	<13	PASS
		25	25	6.35	<13	PASS
		50	0	6.16	<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	5	<13	PASS
		1	37	5.19	<13	PASS
		1	74	5.17	<13	PASS
		37	0	6.02	<13	PASS
		37	18	6	<13	PASS
		37	38	6	<13	PASS
		75	0	6.03	<13	PASS

	MCH	1	0	4.99	<13	PASS
		1	37	4.99	<13	PASS
		1	74	5.2	<13	PASS
		37	0	5.6	<13	PASS
		37	18	5.58	<13	PASS
		37	38	5.6	<13	PASS
		75	0	5.6	<13	PASS
	HCH	1	0	4.74	<13	PASS
		1	37	4.81	<13	PASS
		1	74	4.86	<13	PASS
		37	0	5.55	<13	PASS
		37	18	5.55	<13	PASS
		37	38	5.56	<13	PASS
		75	0	5.56	<13	PASS
16QAM	LCH	1	0	5.82	<13	PASS
		1	37	6.1	<13	PASS
		1	74	5.93	<13	PASS
		37	0	6.04	<13	PASS
		37	18	6	<13	PASS
		37	38	6.01	<13	PASS
		75	0	6.46	<13	PASS
	MCH	1	0	6.07	<13	PASS
		1	37	5.84	<13	PASS
		1	74	6.19	<13	PASS
		37	0	5.61	<13	PASS
		37	18	5.59	<13	PASS
		37	38	5.61	<13	PASS
		75	0	6.19	<13	PASS
	HCH	1	0	5.84	<13	PASS
		1	37	5.38	<13	PASS
		1	74	5.66	<13	PASS
		37	0	5.56	<13	PASS
		37	18	5.56	<13	PASS
		37	38	5.55	<13	PASS
		75	0	6.17	<13	PASS

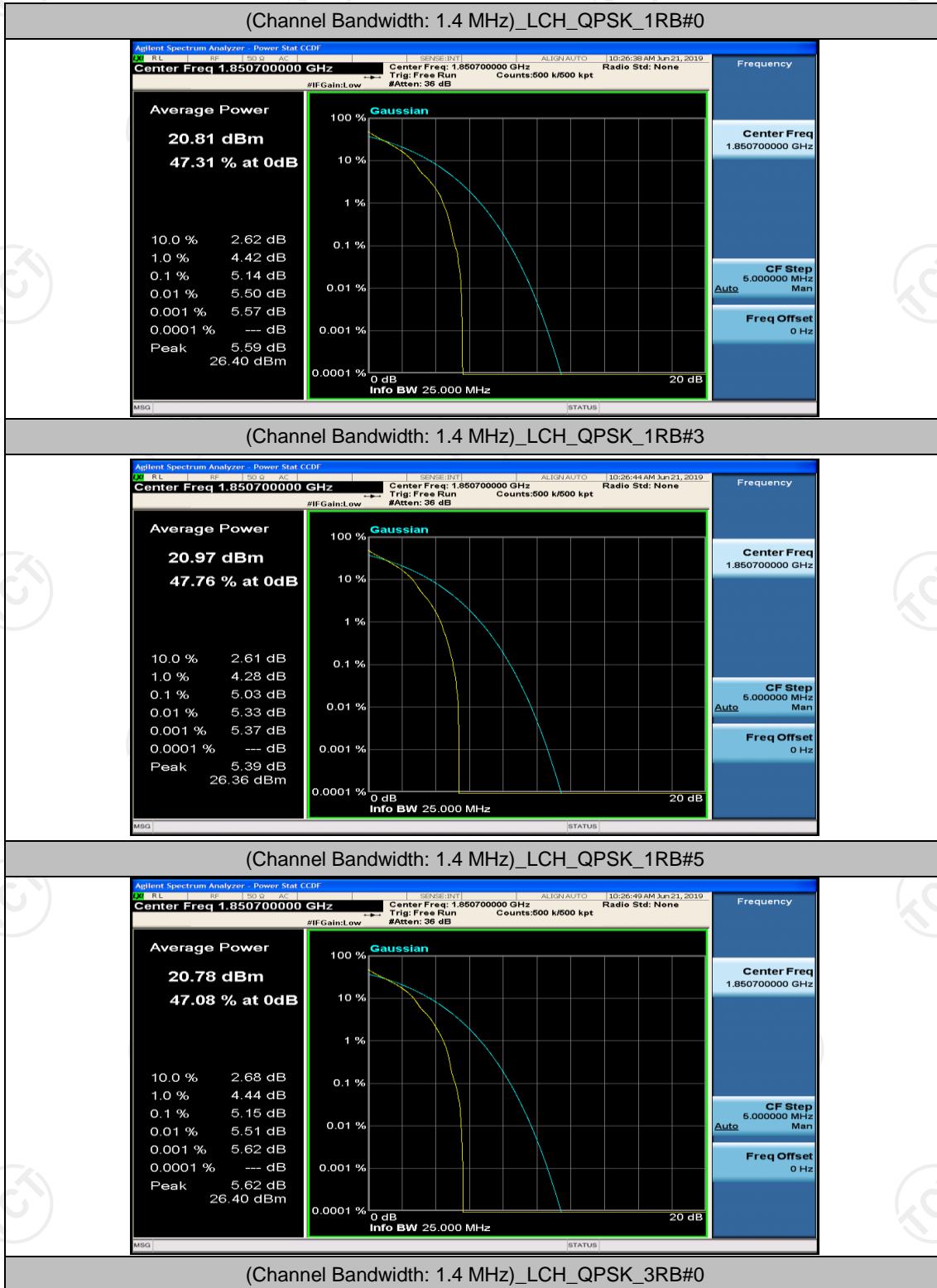
Channel Bandwidth: 20 MHz

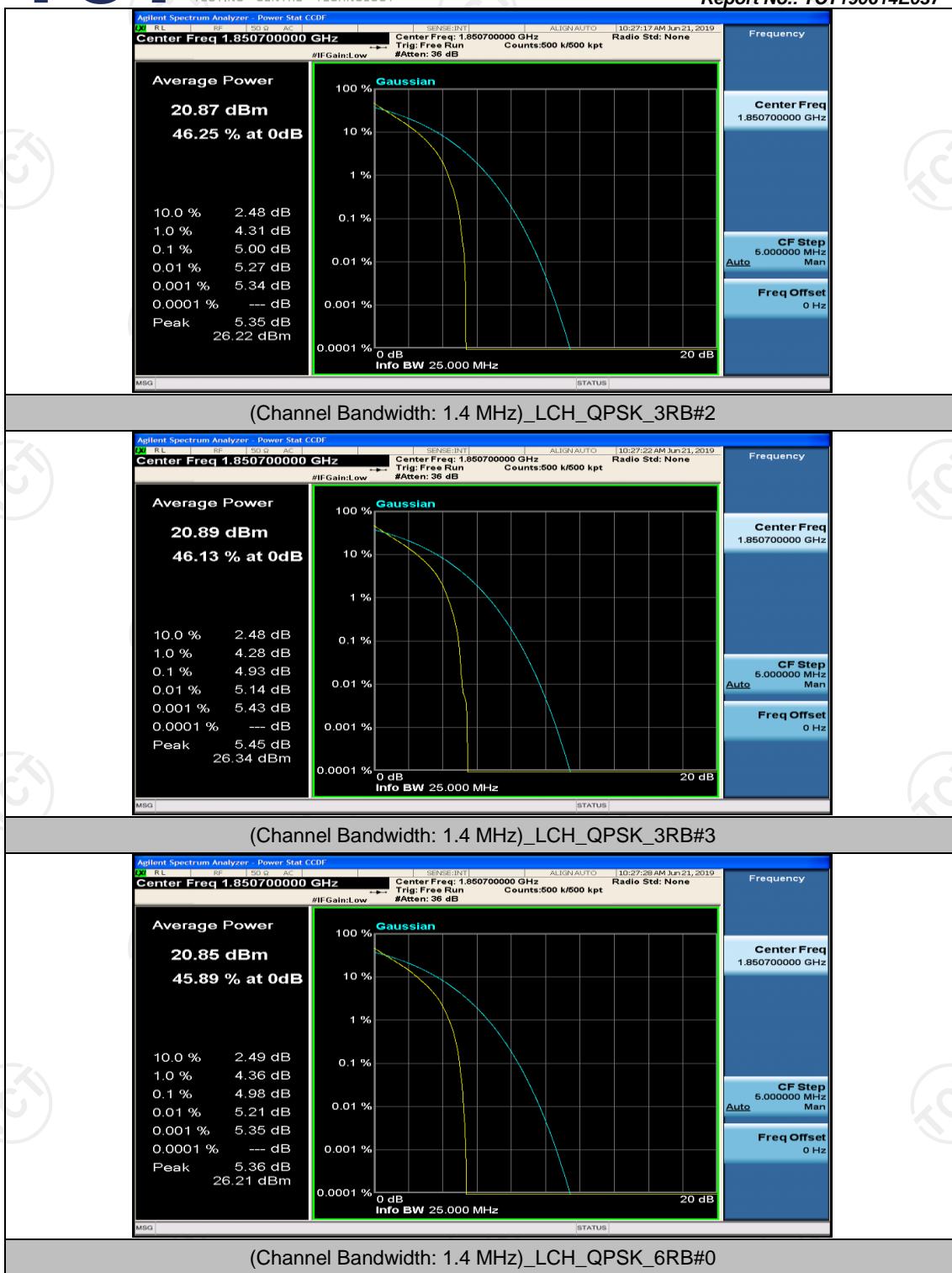
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
		Size	Offset			
QPSK	LCH	1	0	5.16	<13	PASS

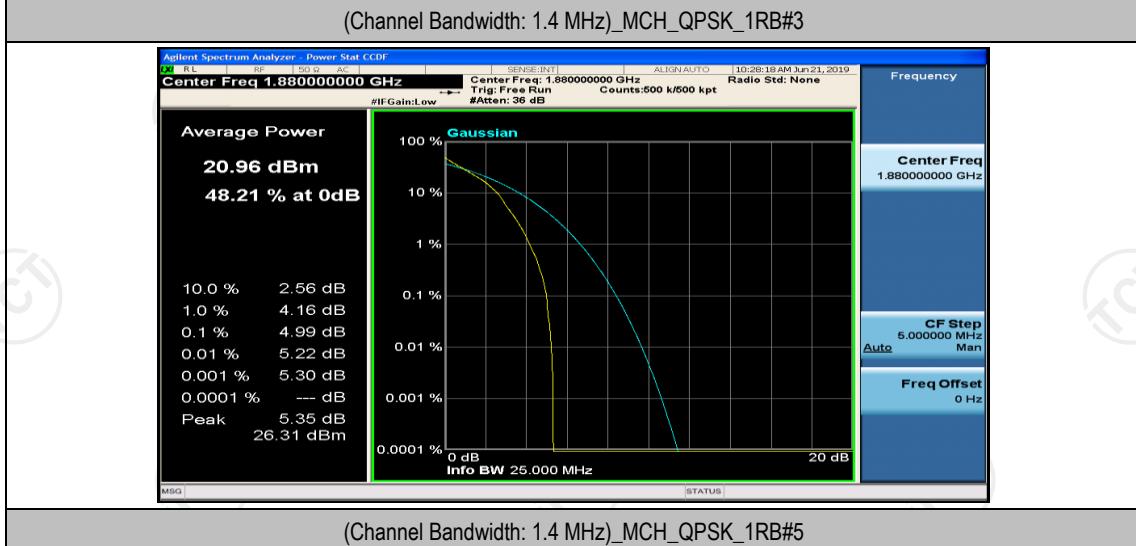
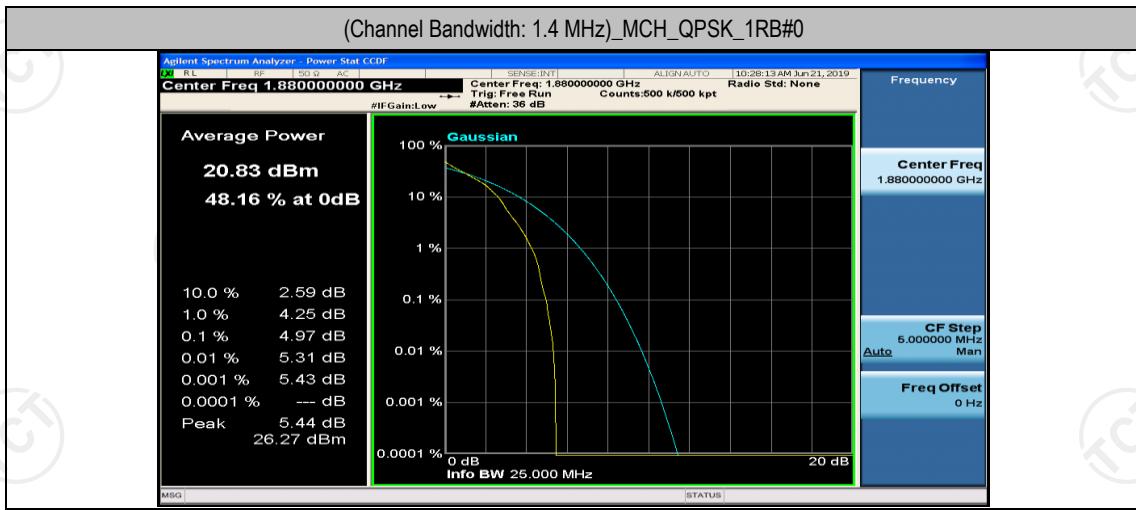
		MCH	1	49	5.05	<13	PASS
			1	99	5.14	<13	PASS
			50	0	5.61	<13	PASS
			50	25	5.58	<13	PASS
			50	50	5.58	<13	PASS
			100	0	5.75	<13	PASS
		HCH	1	0	5.01	<13	PASS
			1	49	4.85	<13	PASS
			1	99	5.26	<13	PASS
			50	0	5.41	<13	PASS
			50	25	5.42	<13	PASS
			50	50	5.67	<13	PASS
			100	0	5.35	<13	PASS
	16QAM	LCH	1	0	5.22	<13	PASS
			1	49	4.88	<13	PASS
			1	99	5.15	<13	PASS
			50	0	5.58	<13	PASS
			50	25	5.58	<13	PASS
			50	50	5.22	<13	PASS
			100	0	5.57	<13	PASS
		MCH	1	0	5.6	<13	PASS
			1	49	5.58	<13	PASS
			1	99	5.72	<13	PASS
			50	0	6.38	<13	PASS
			50	25	6.35	<13	PASS
			50	50	6.4	<13	PASS
			100	0	6.48	<13	PASS
		HCH	1	0	5.62	<13	PASS
			1	49	5.39	<13	PASS
			1	99	5.74	<13	PASS
			50	0	6.2	<13	PASS
			50	25	6.18	<13	PASS
			50	50	6.41	<13	PASS
			100	0	6.27	<13	PASS

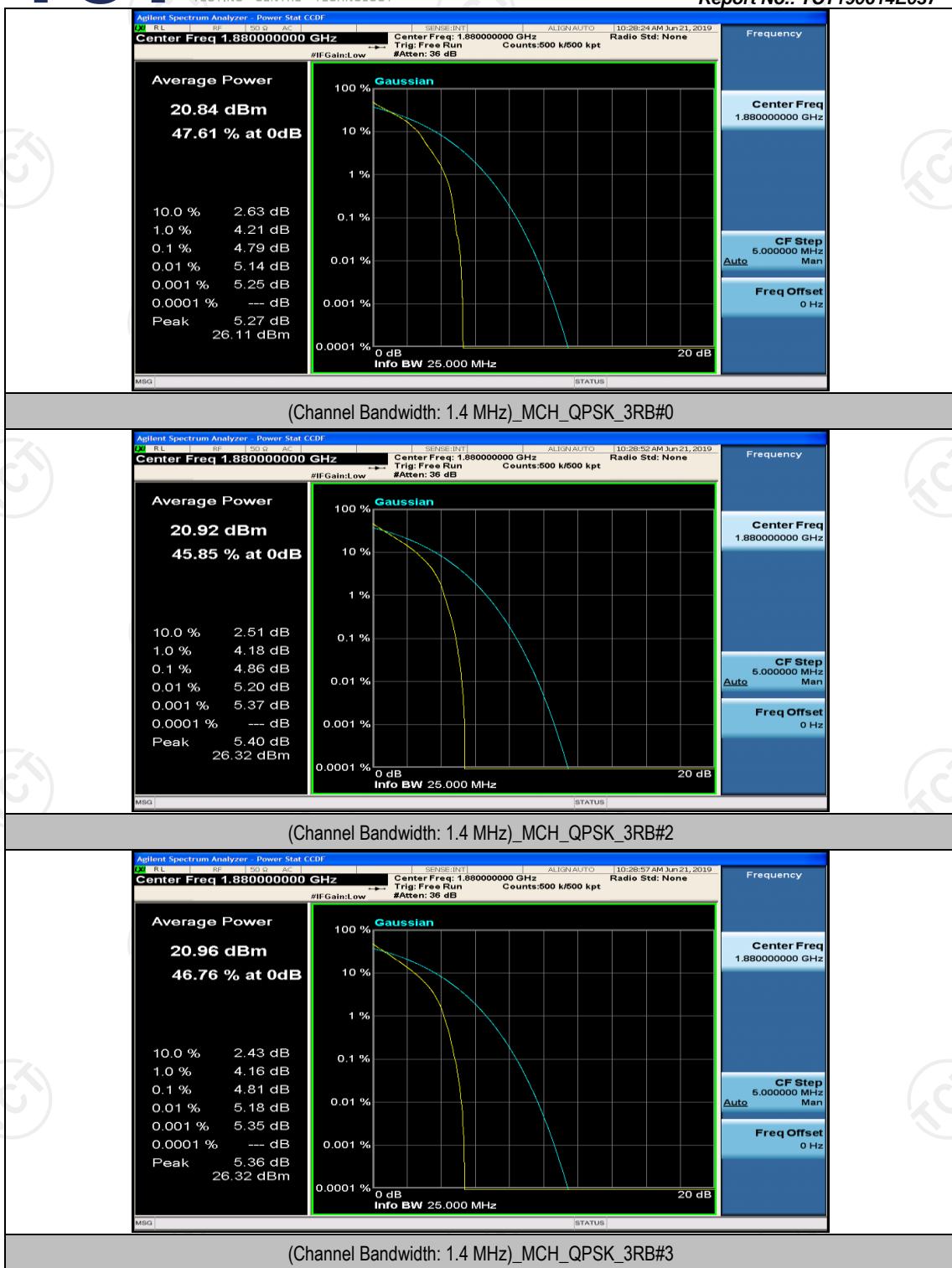
Test Graphs

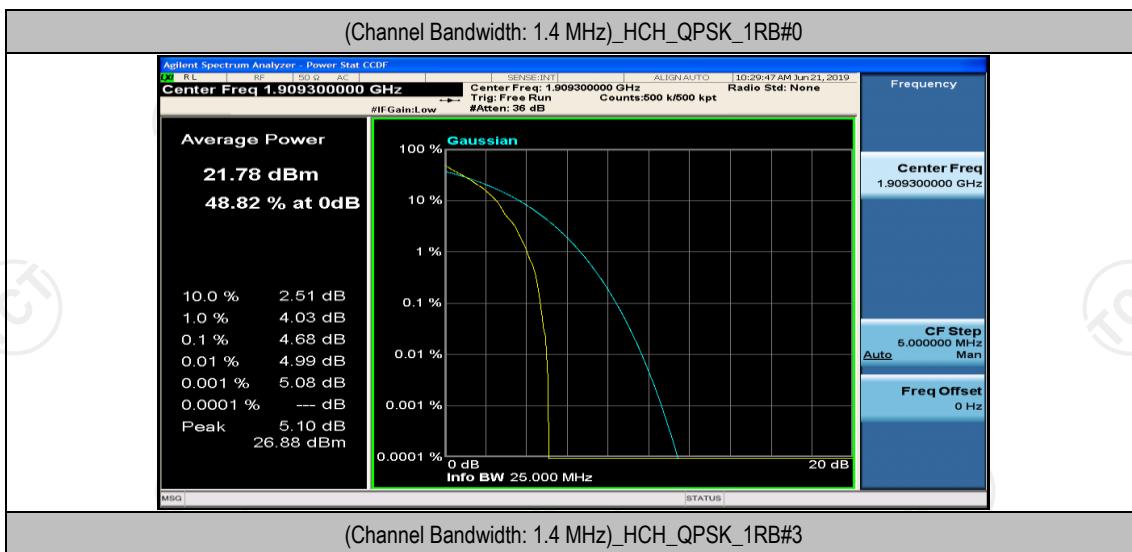
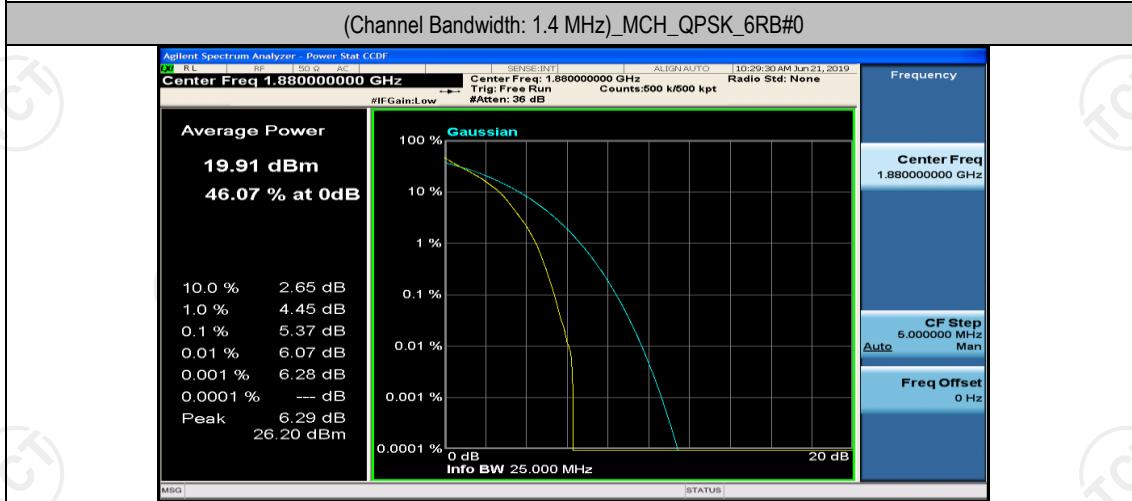
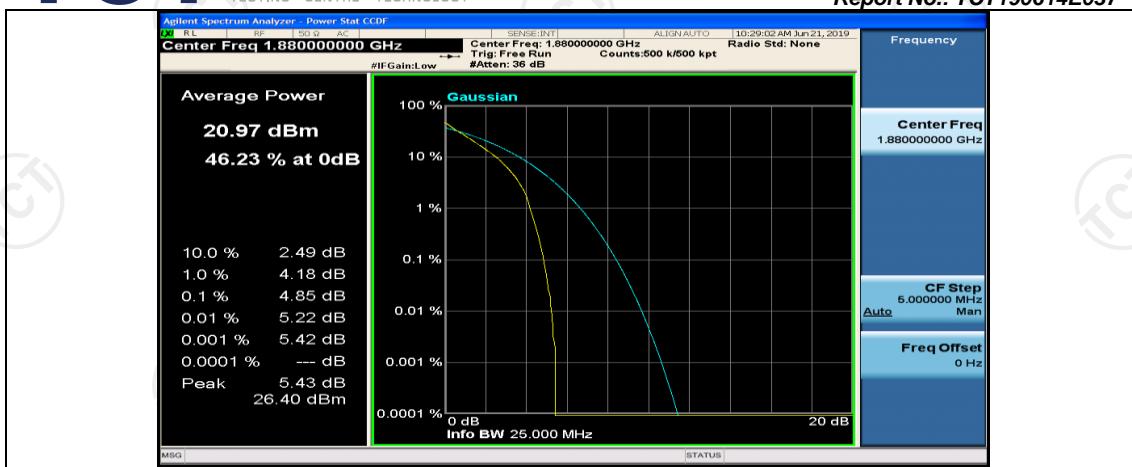
Channel Bandwidth: 1.4 MHz

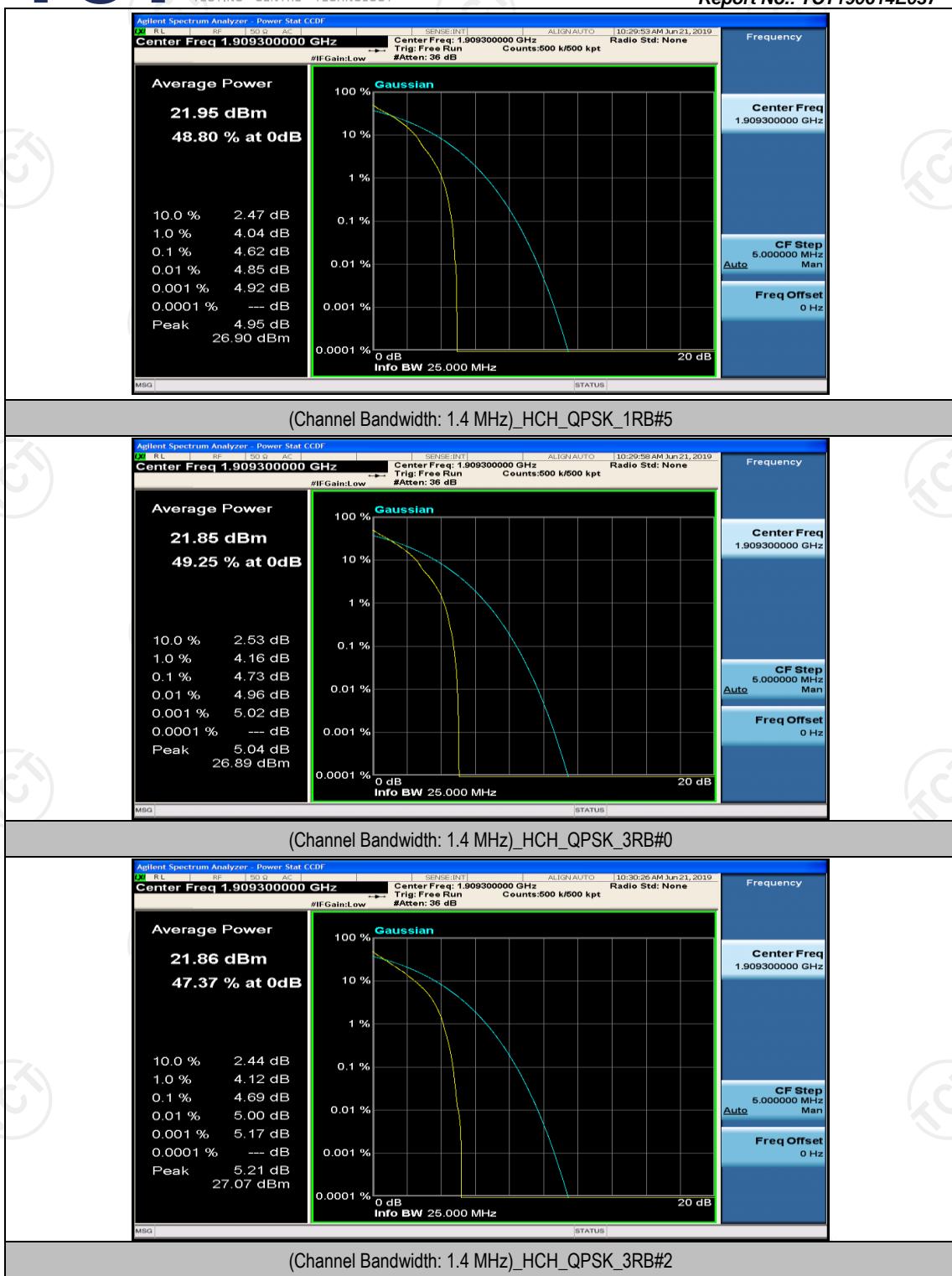


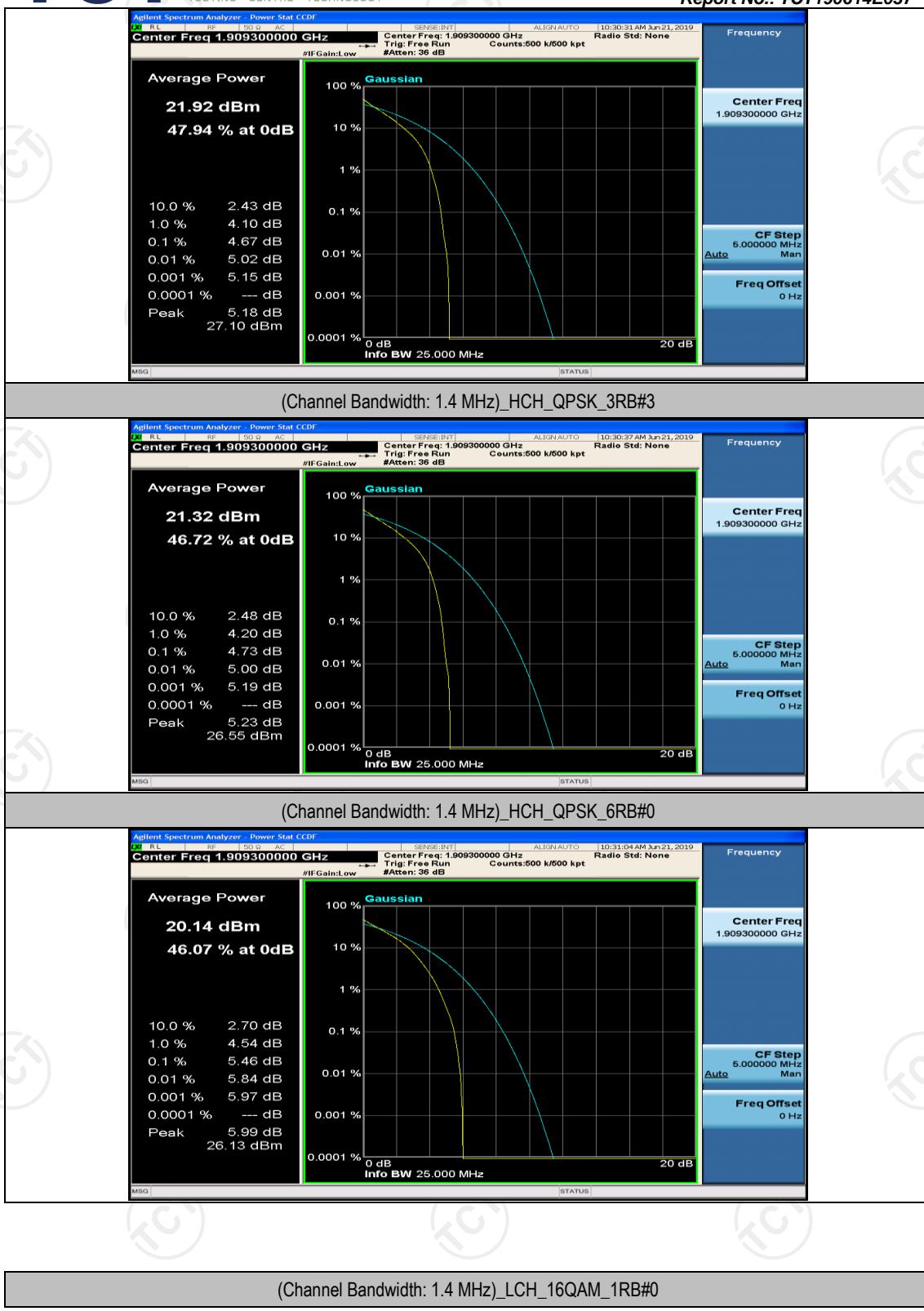


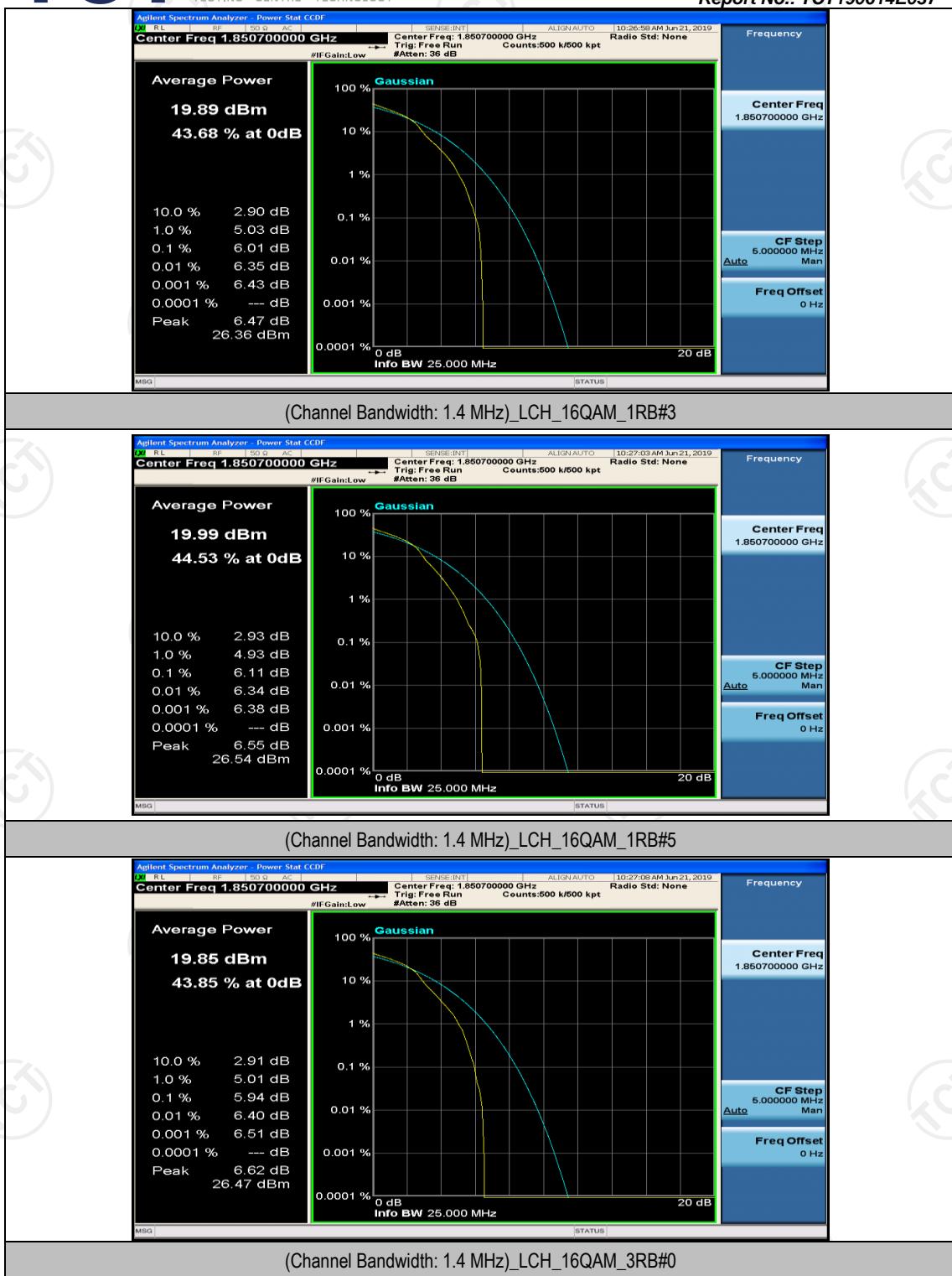


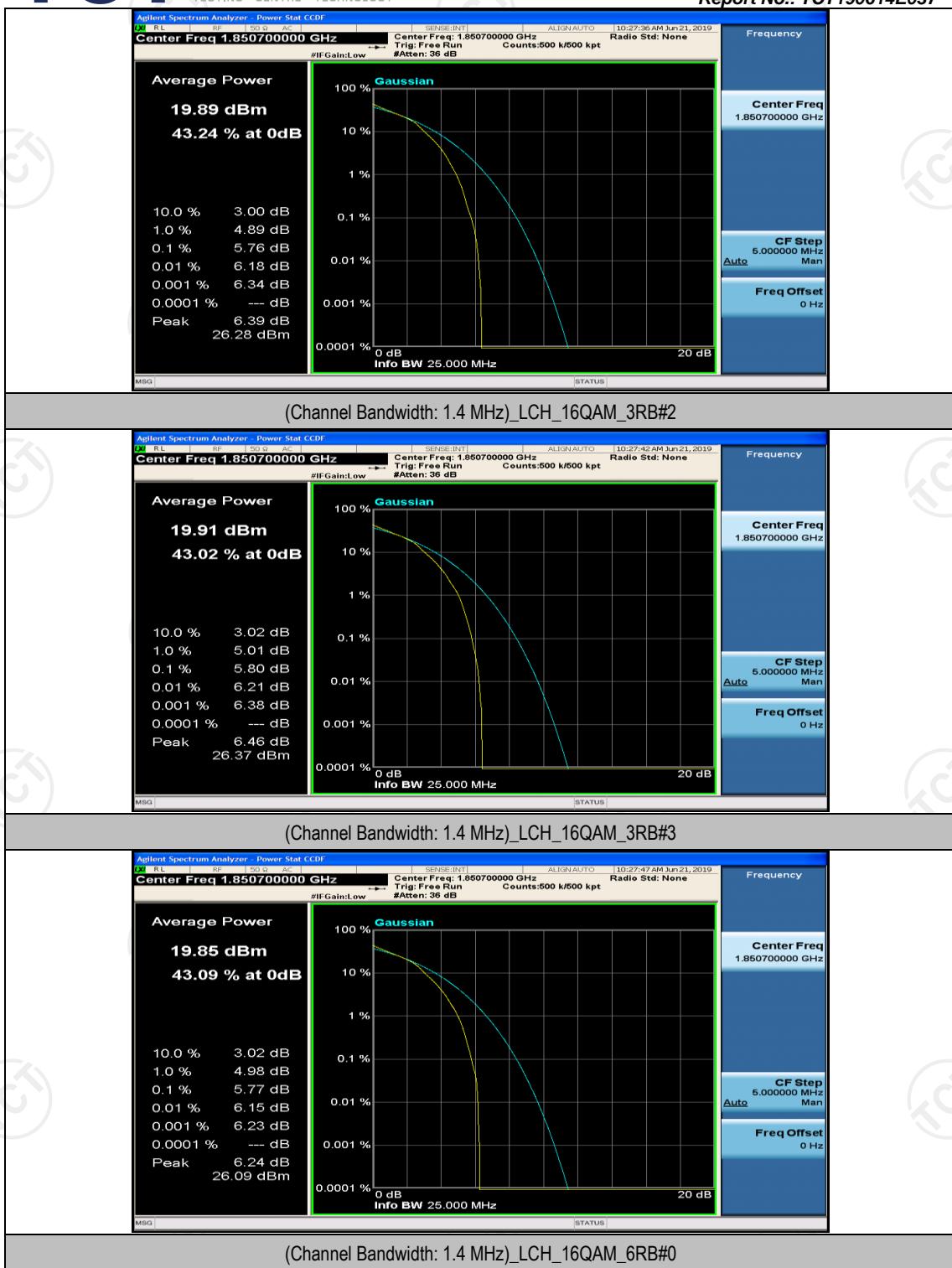


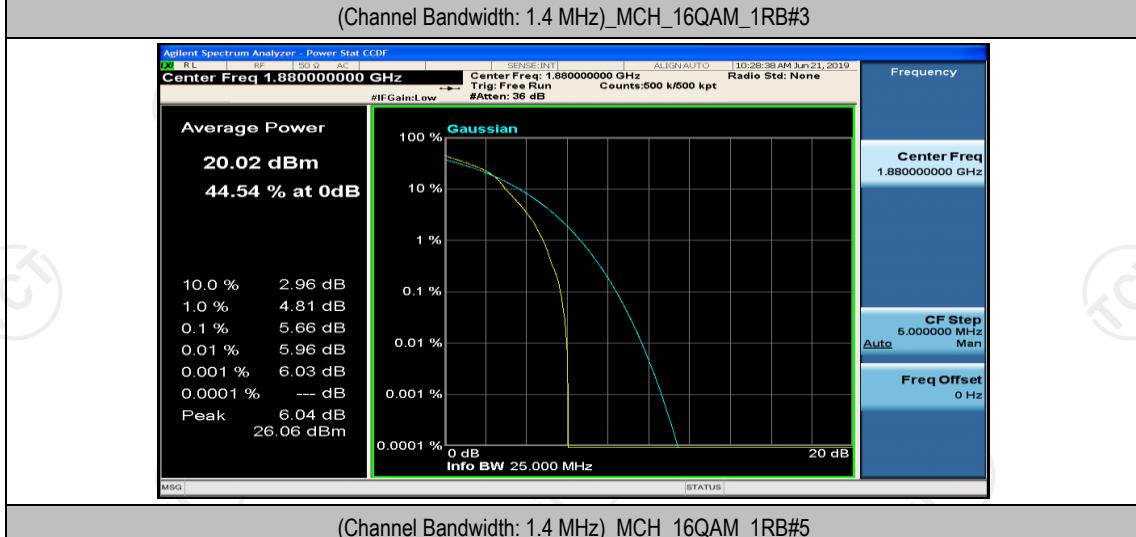
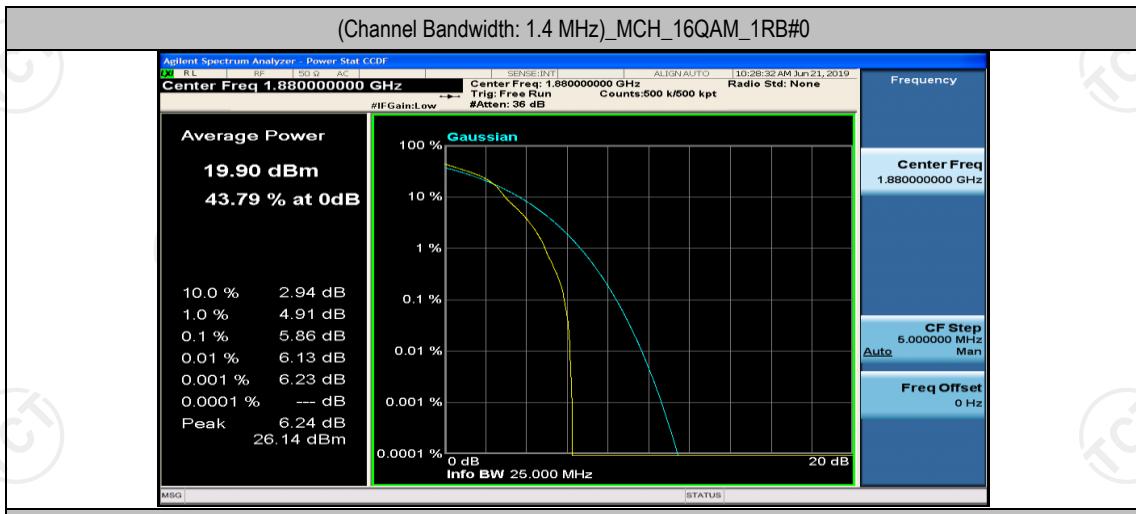


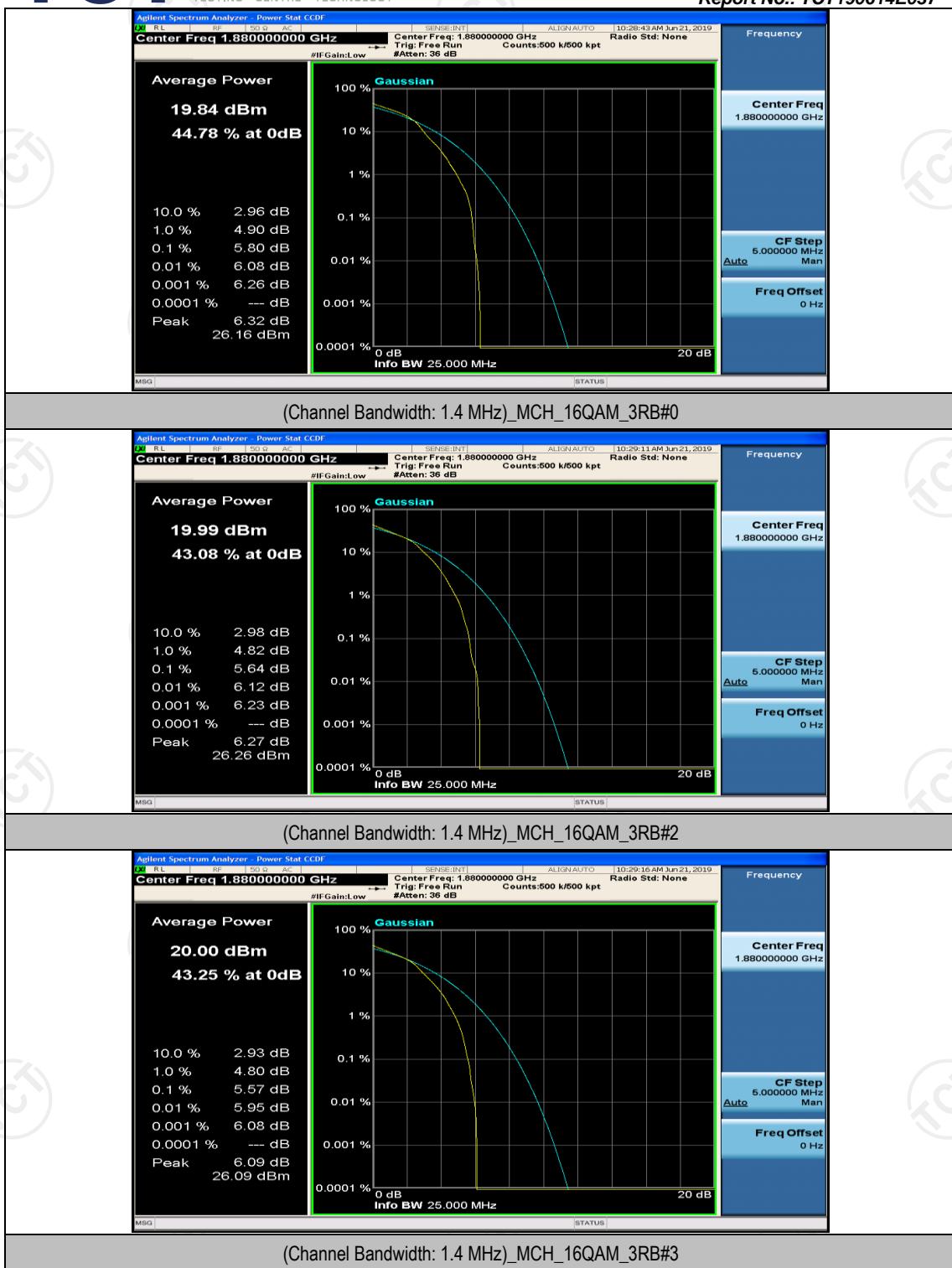


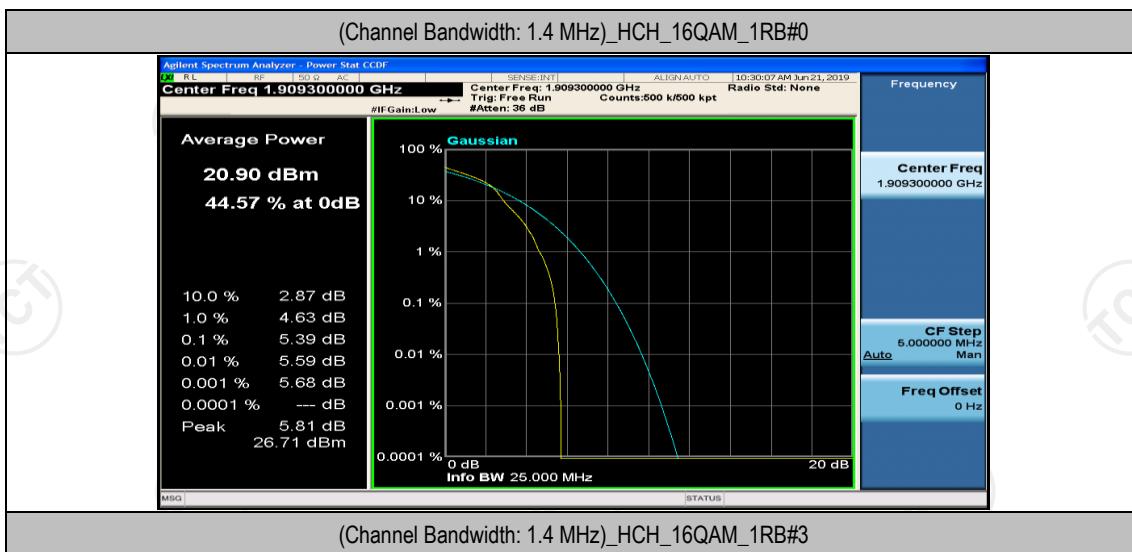
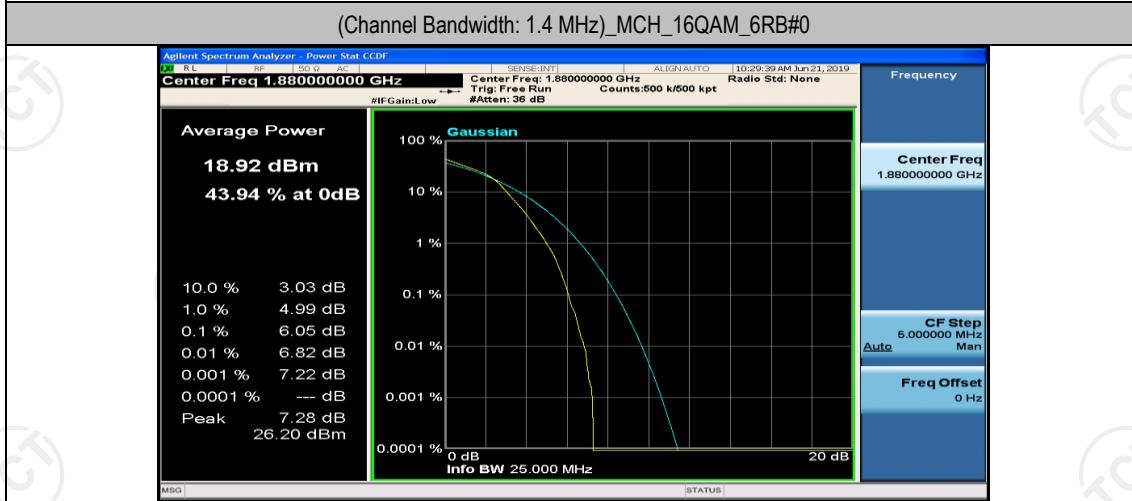


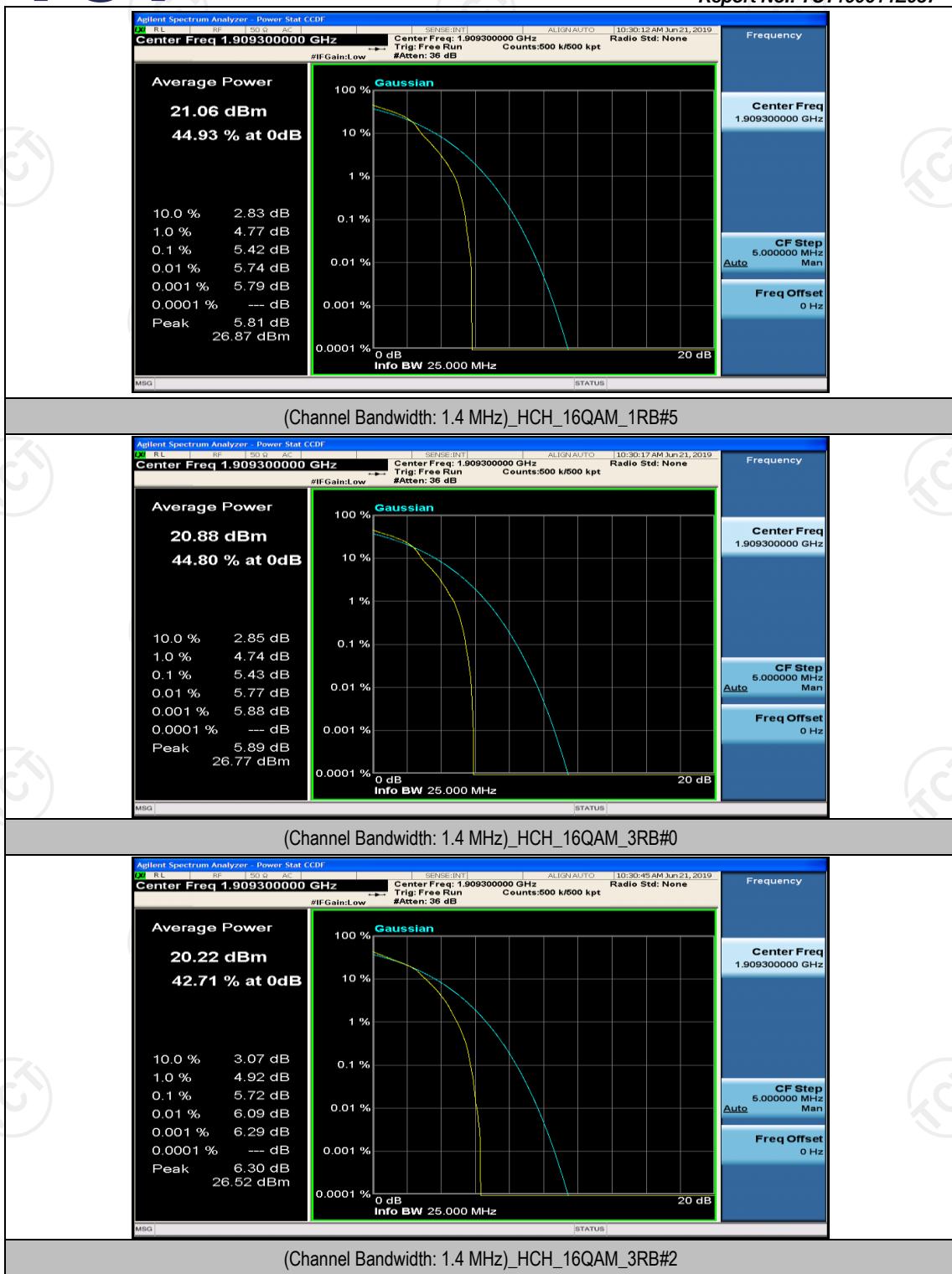


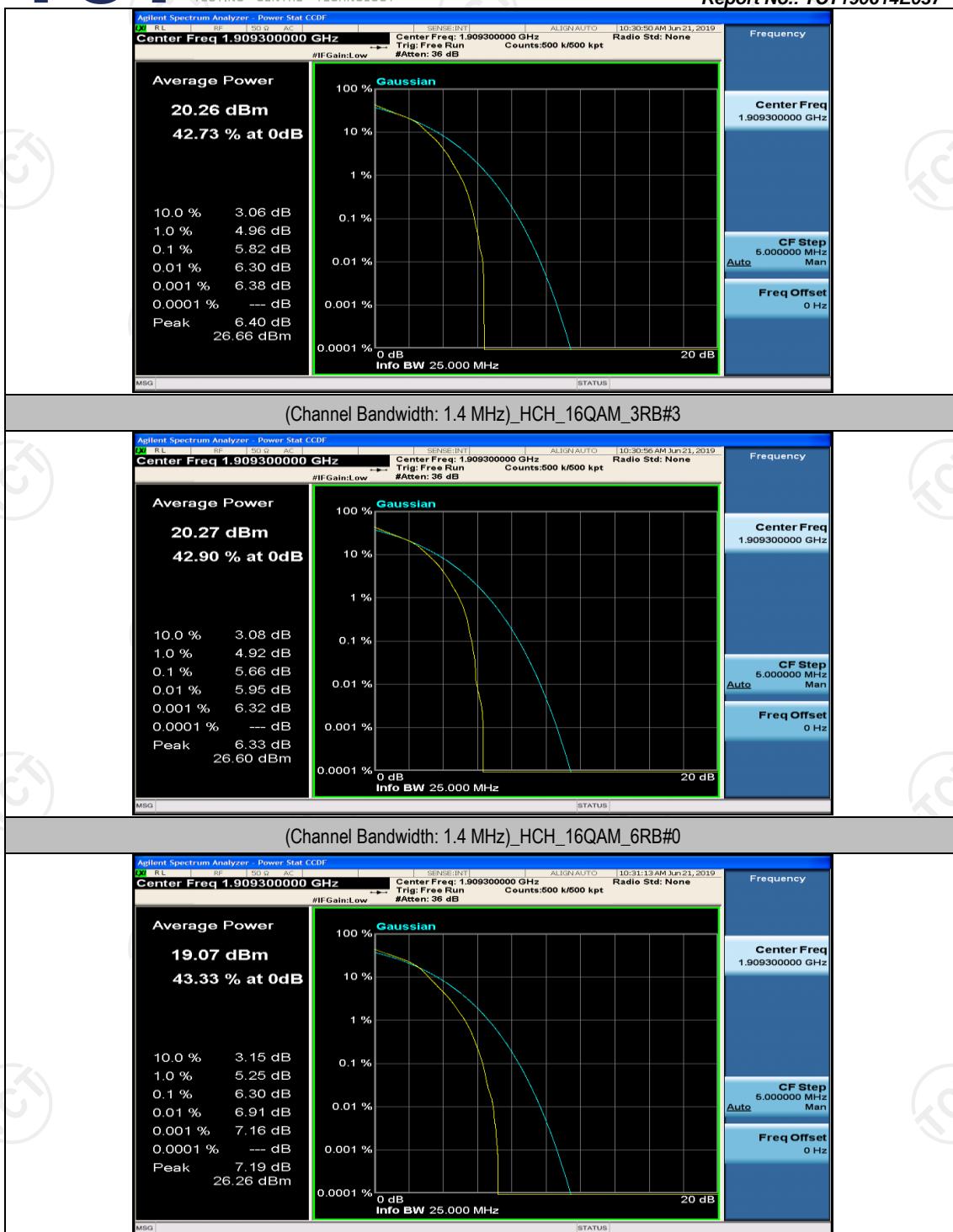






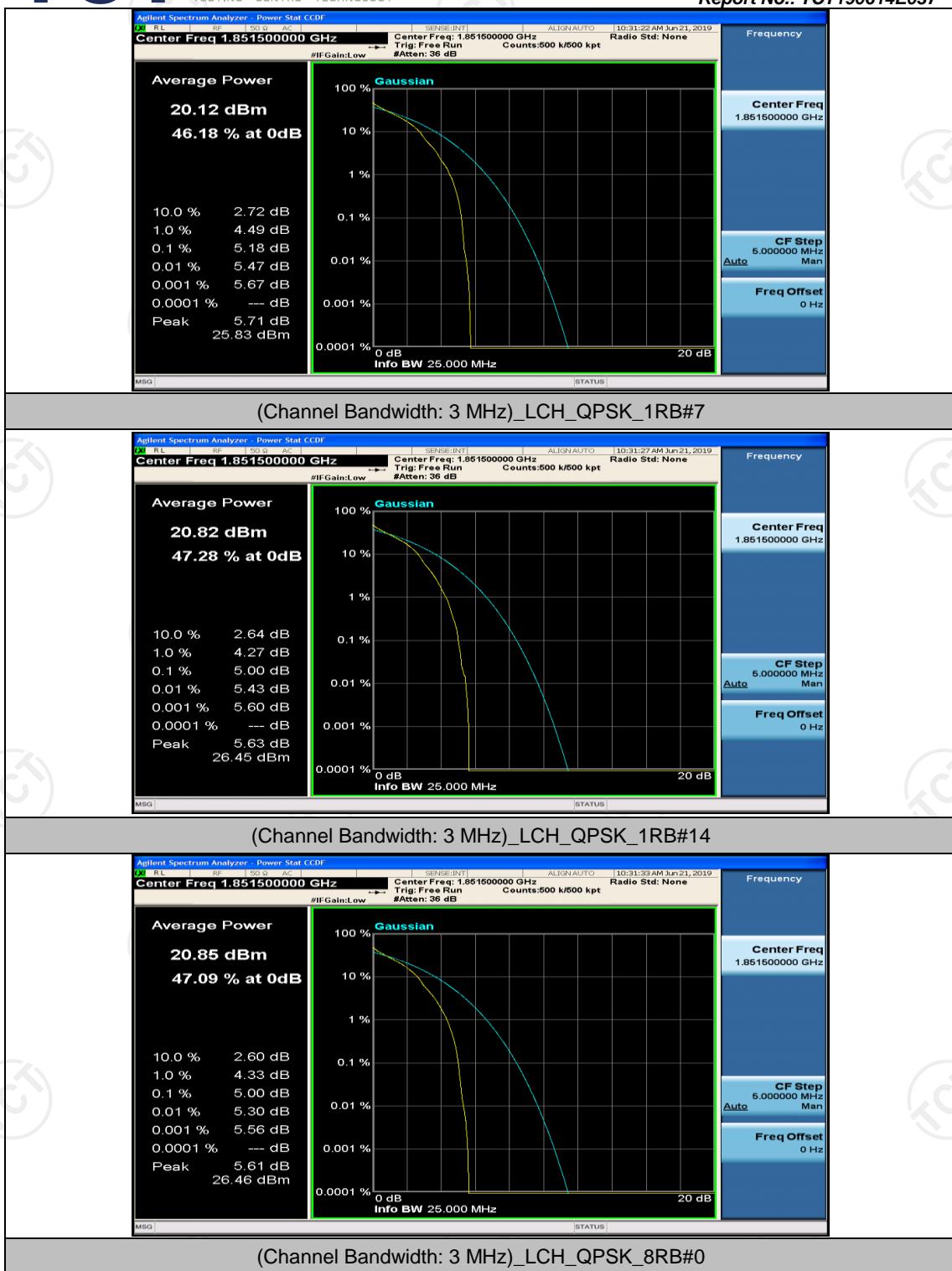


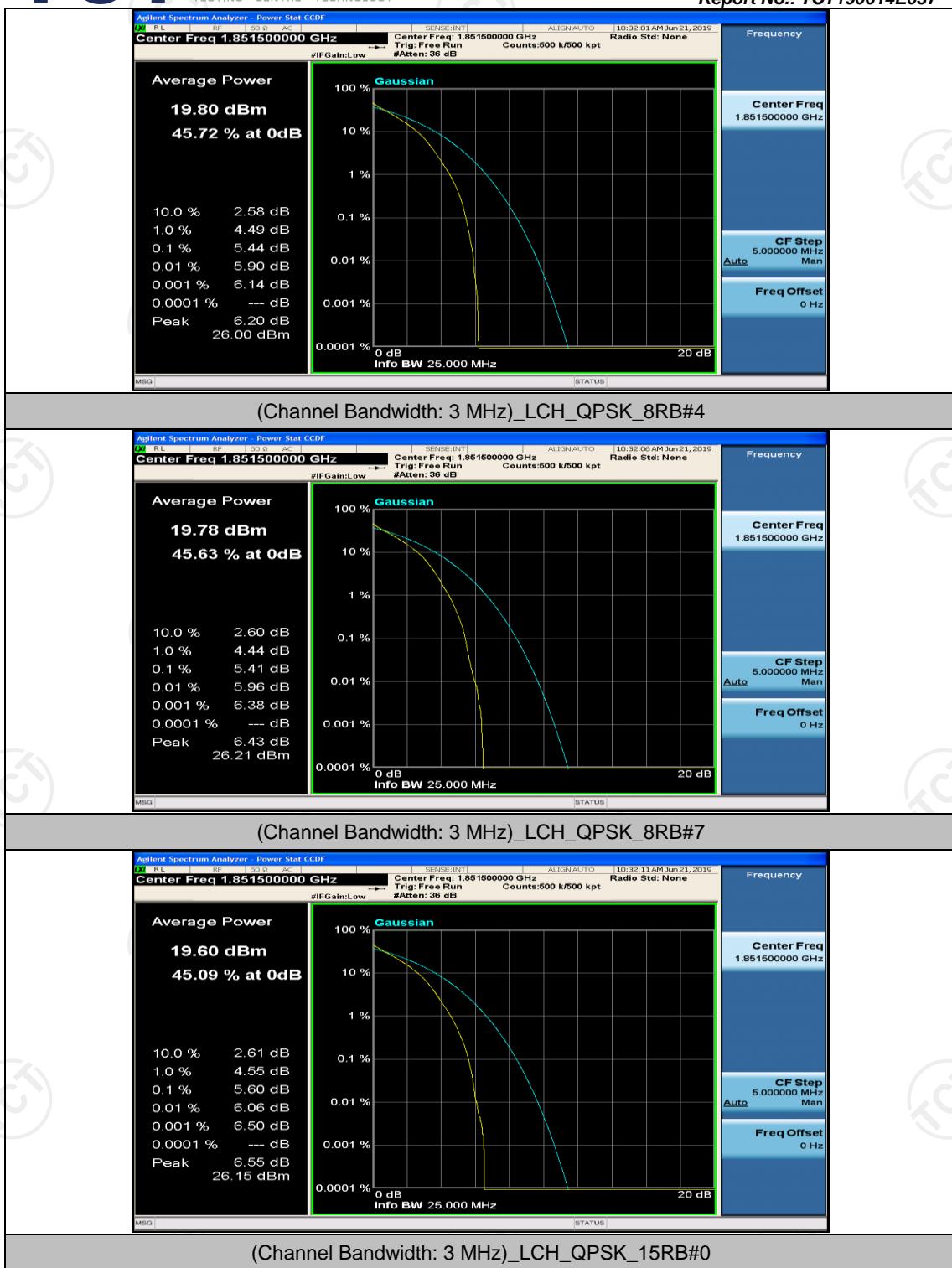


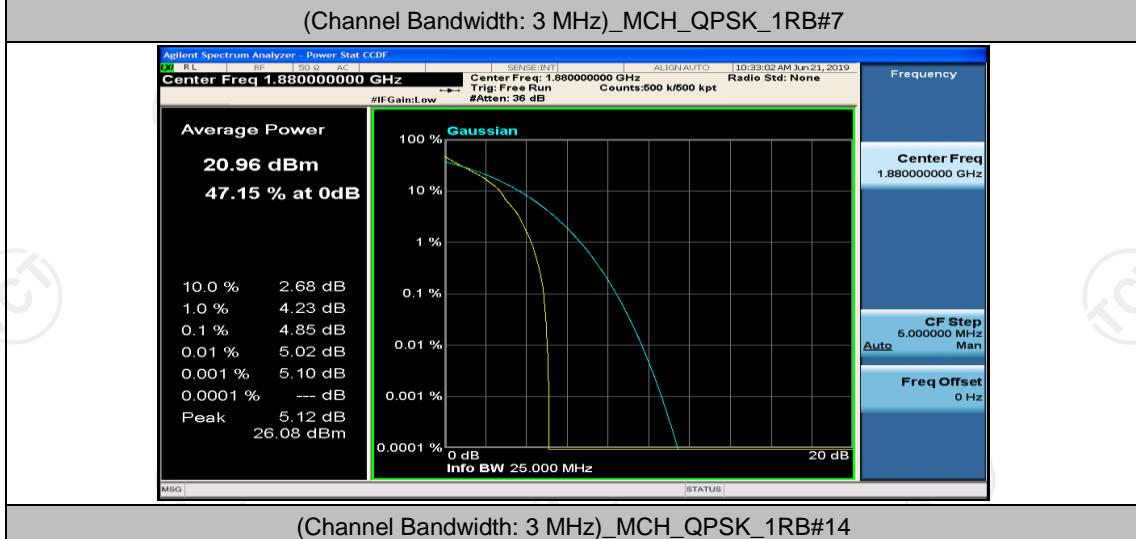
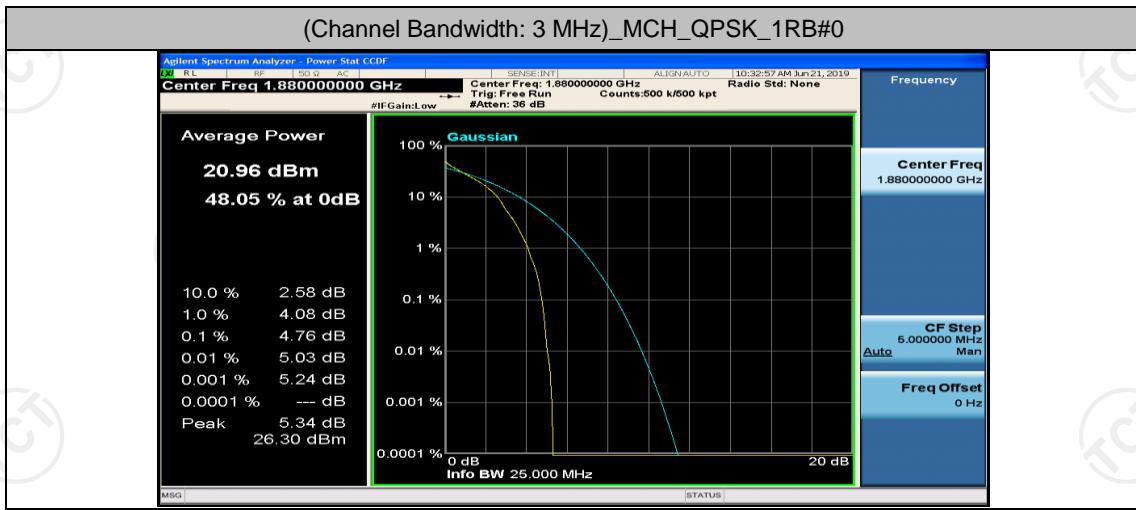


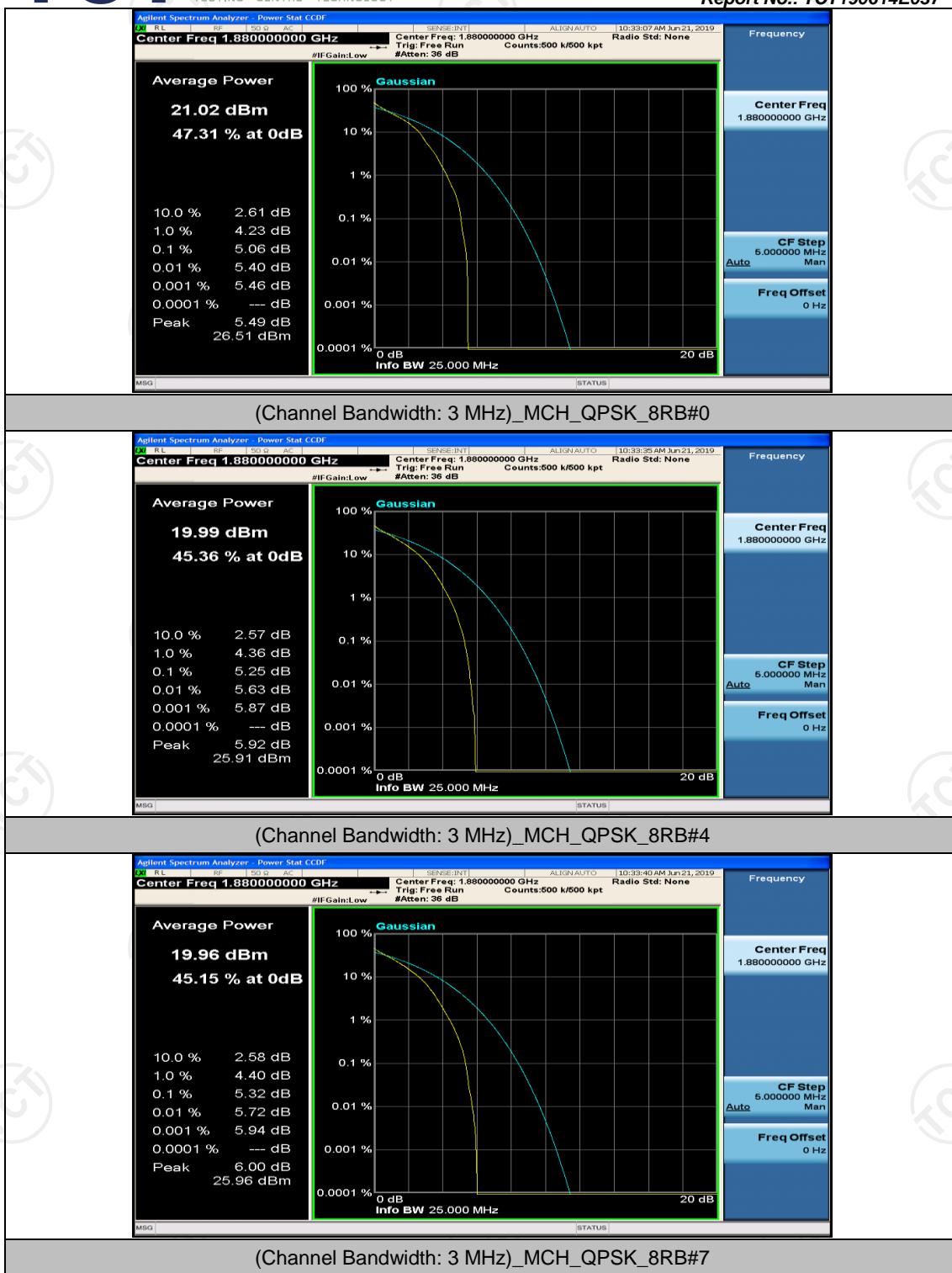
Channel Bandwidth: 3 MHz

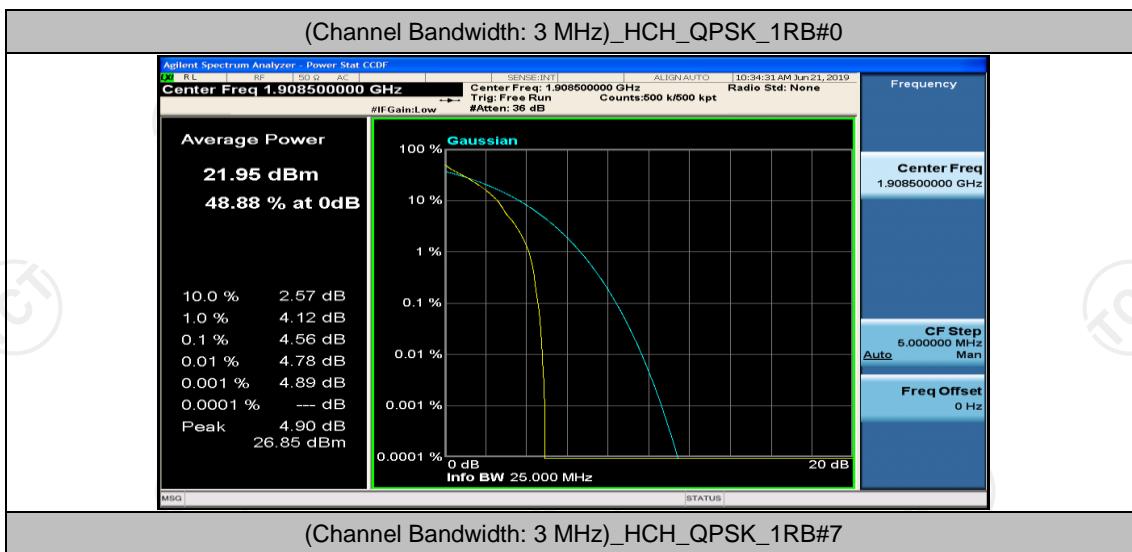
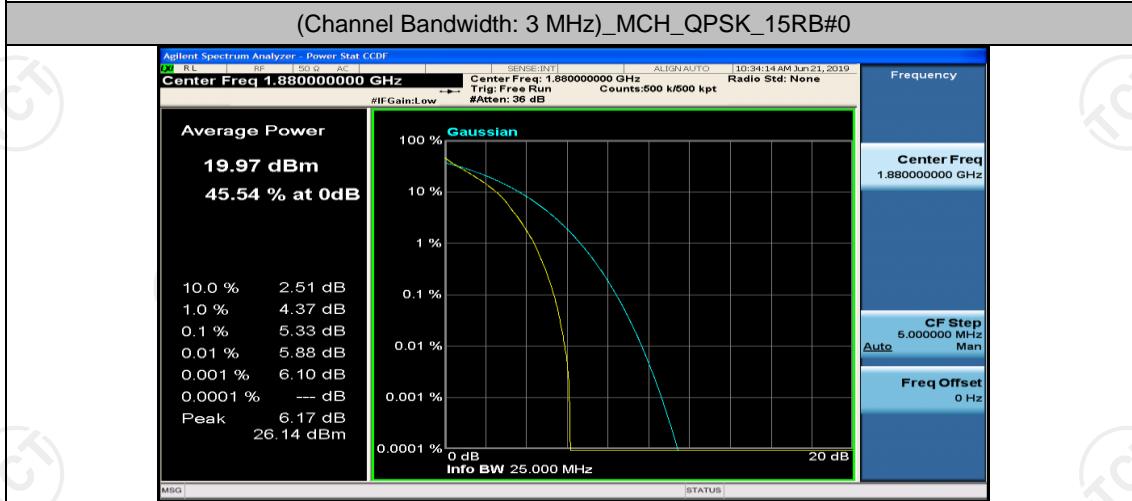
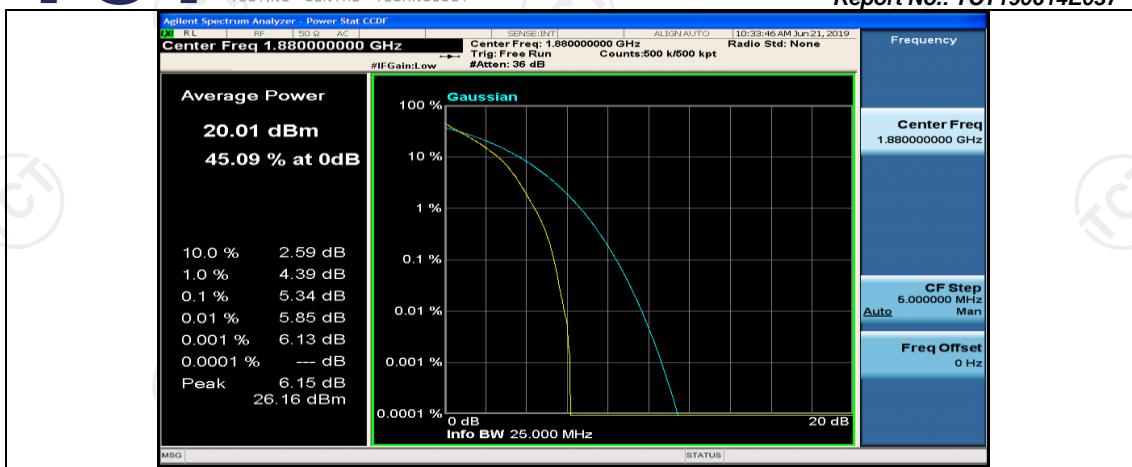
(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

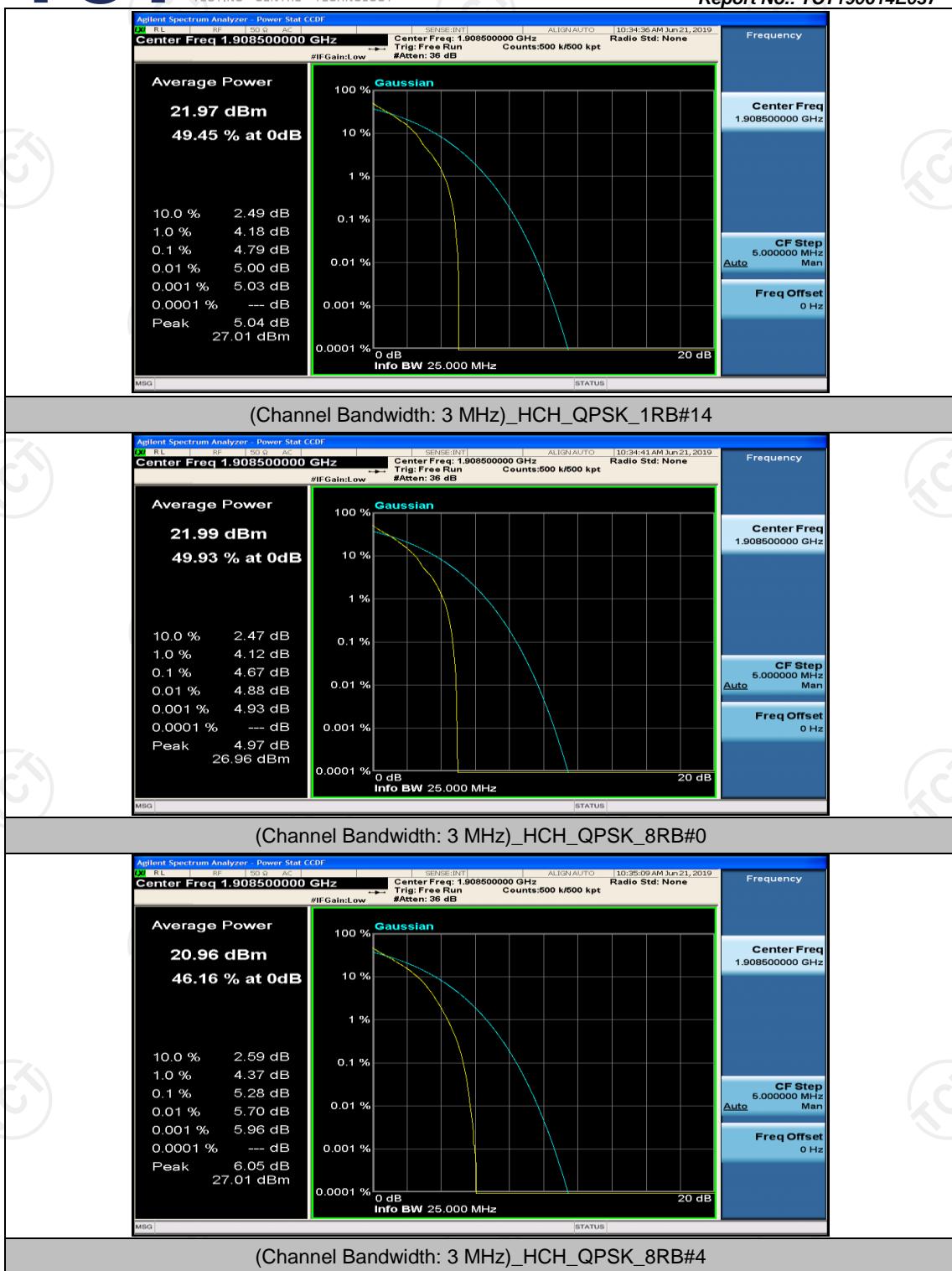


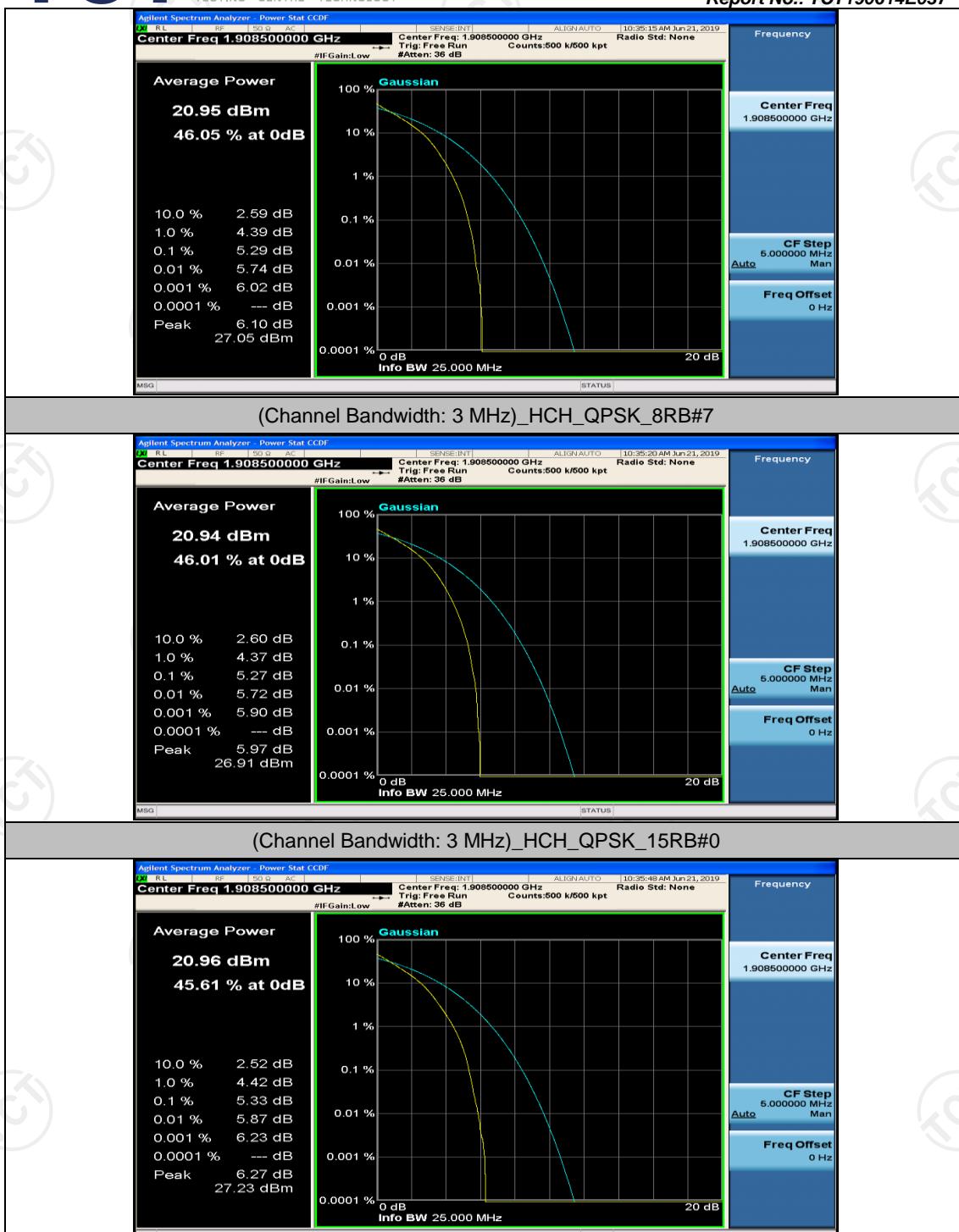


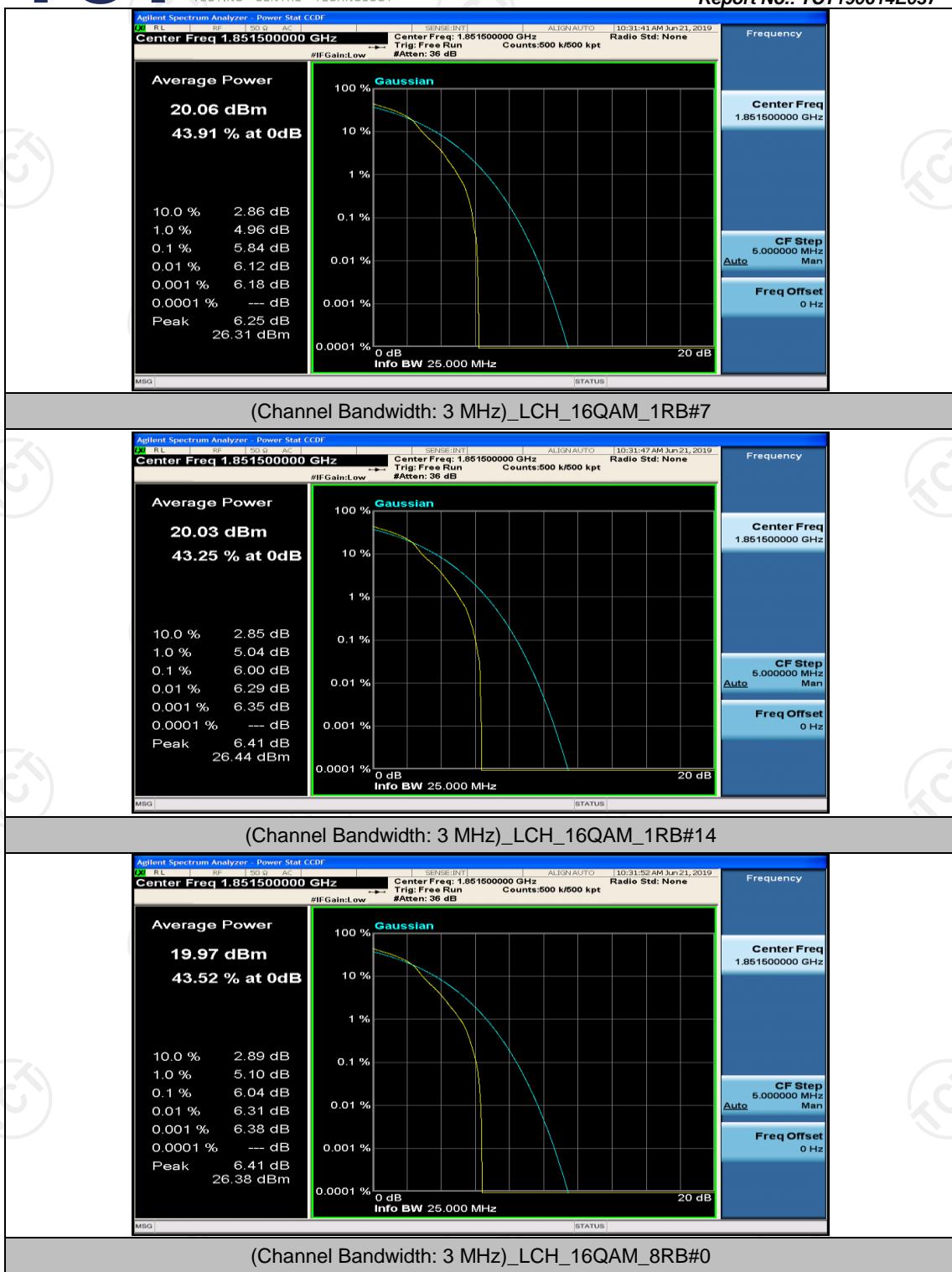


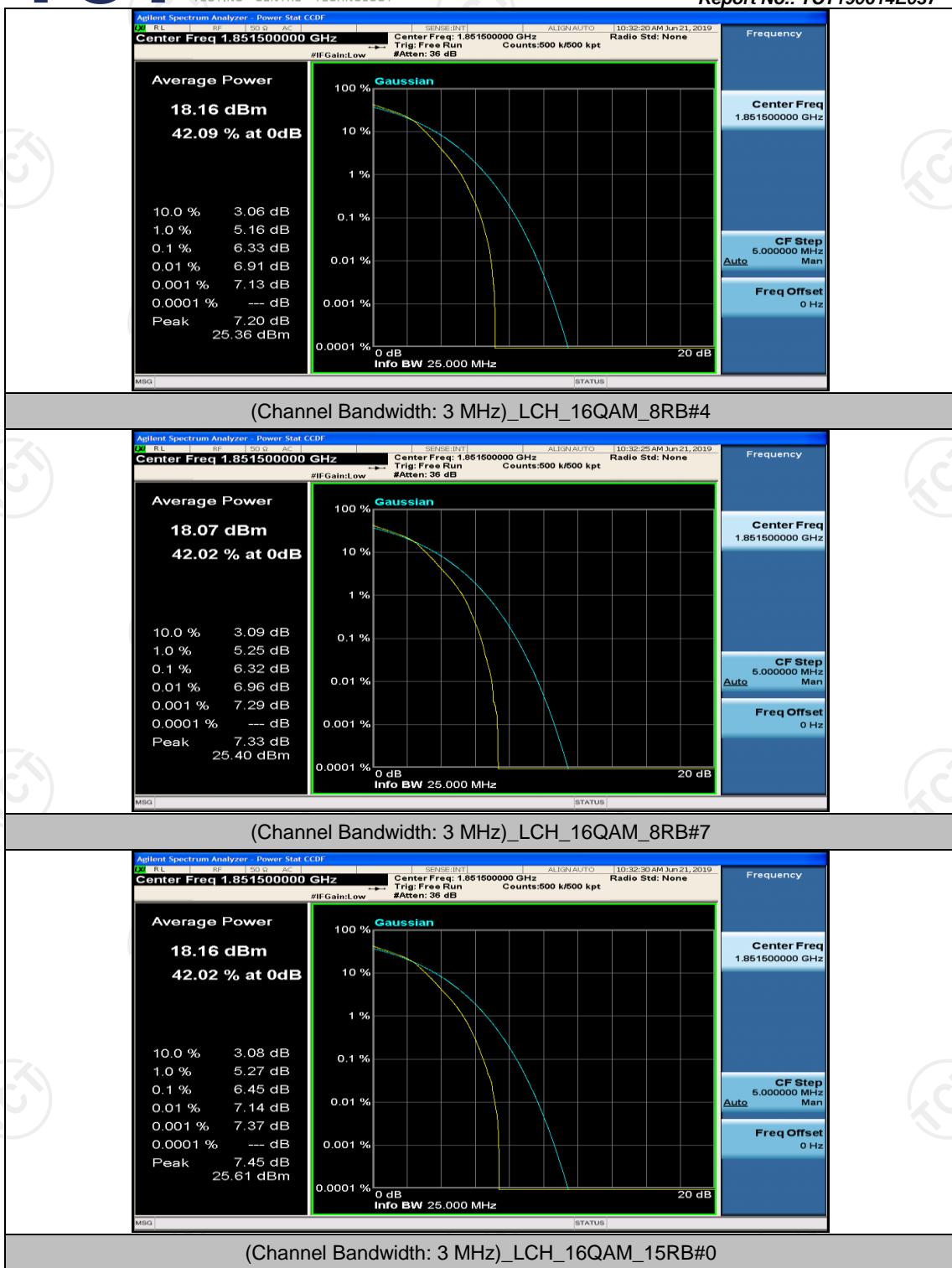


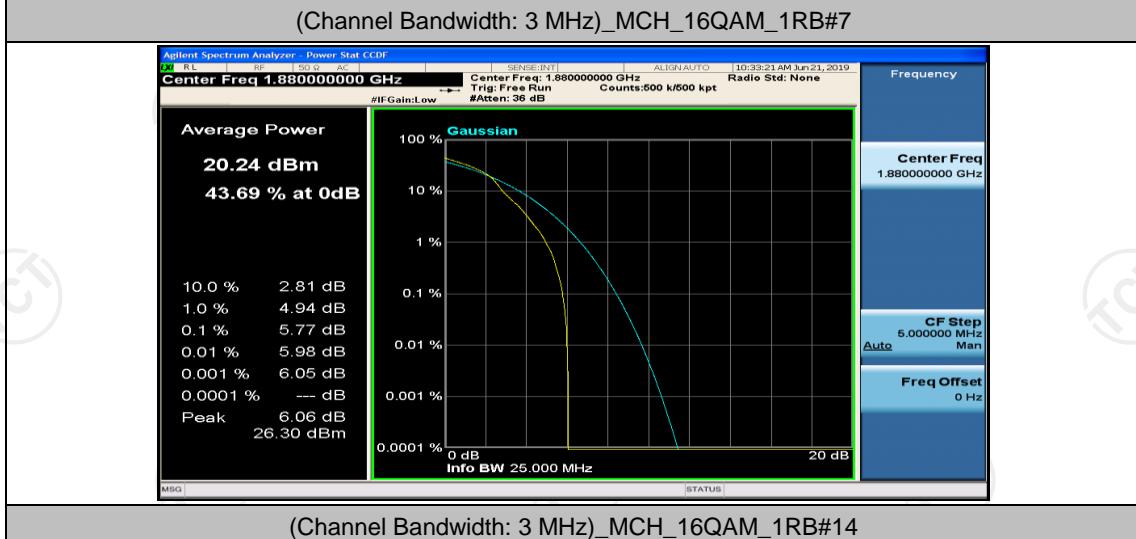
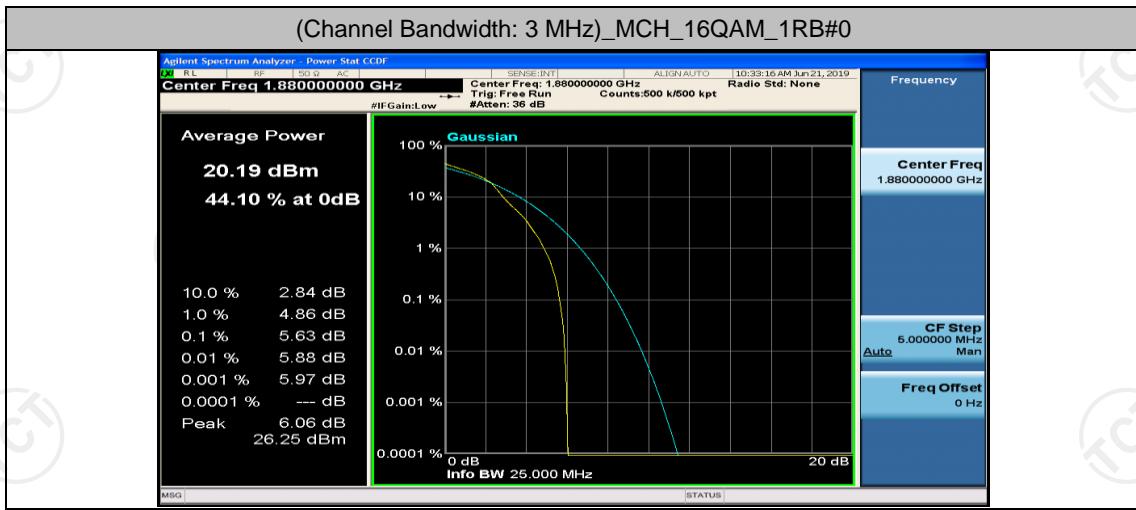
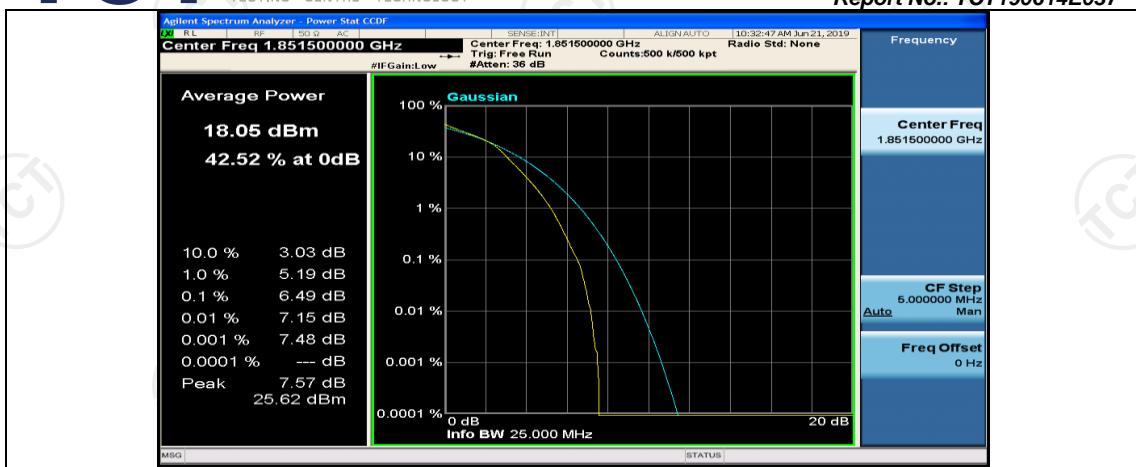


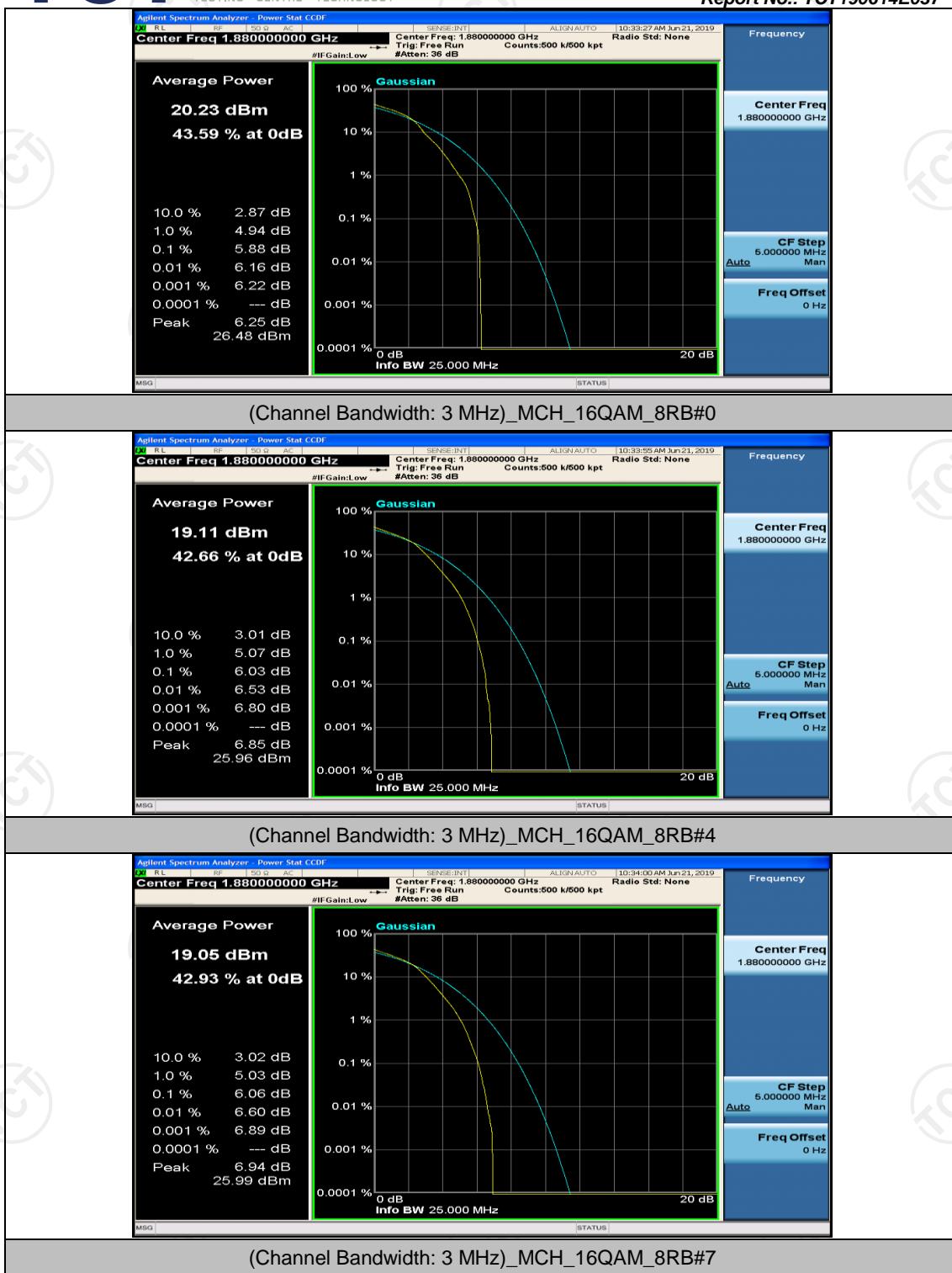


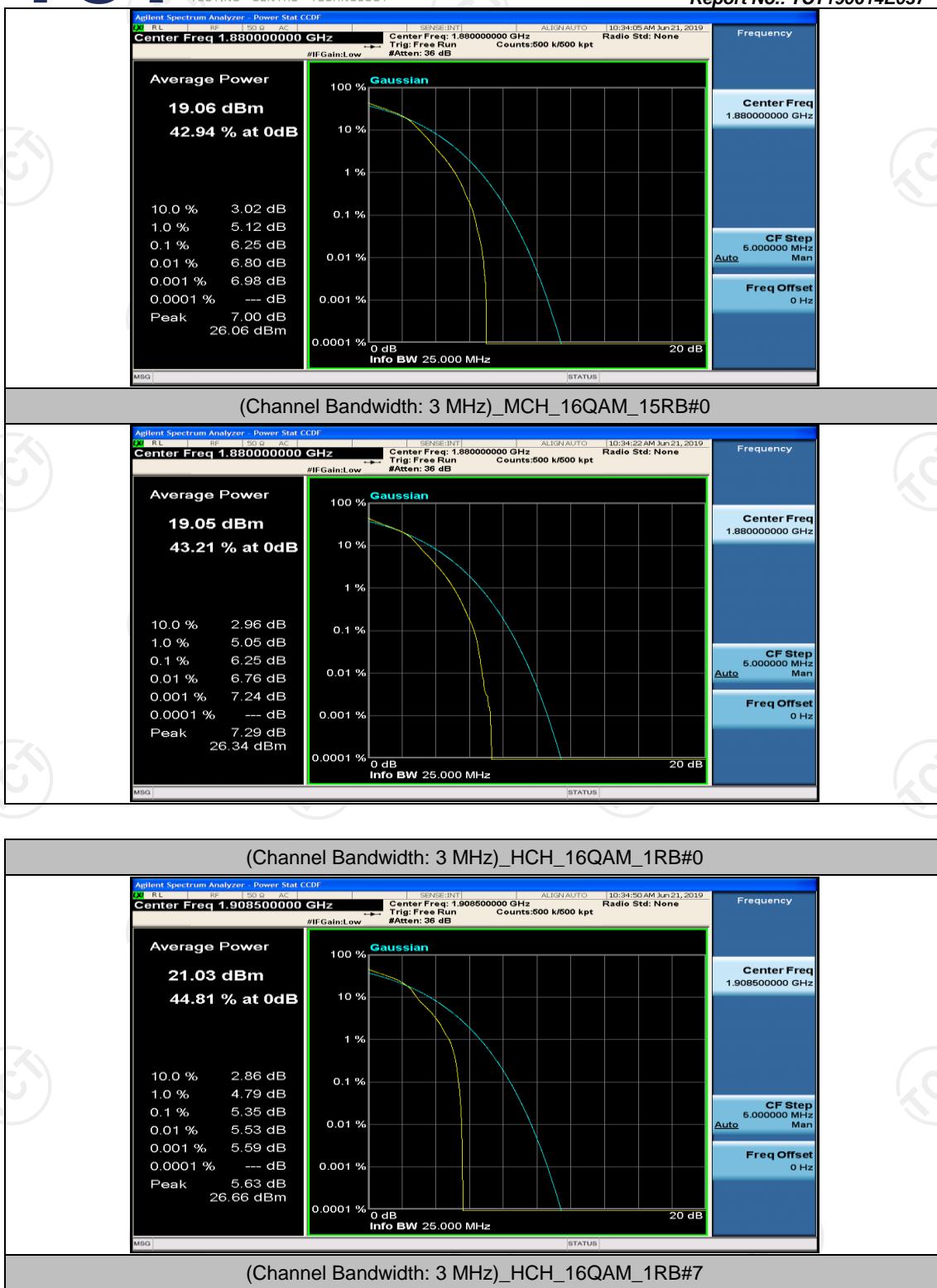


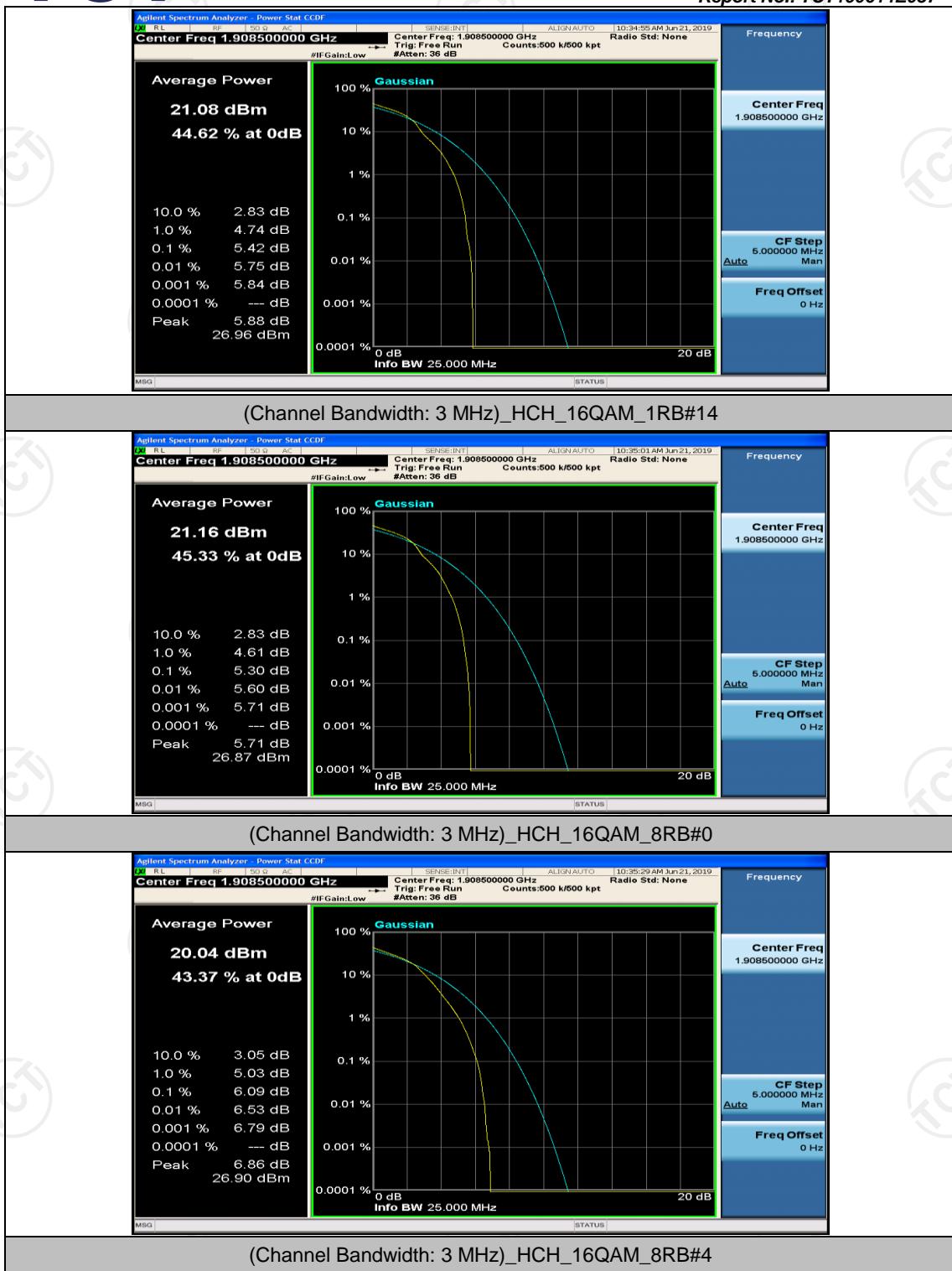


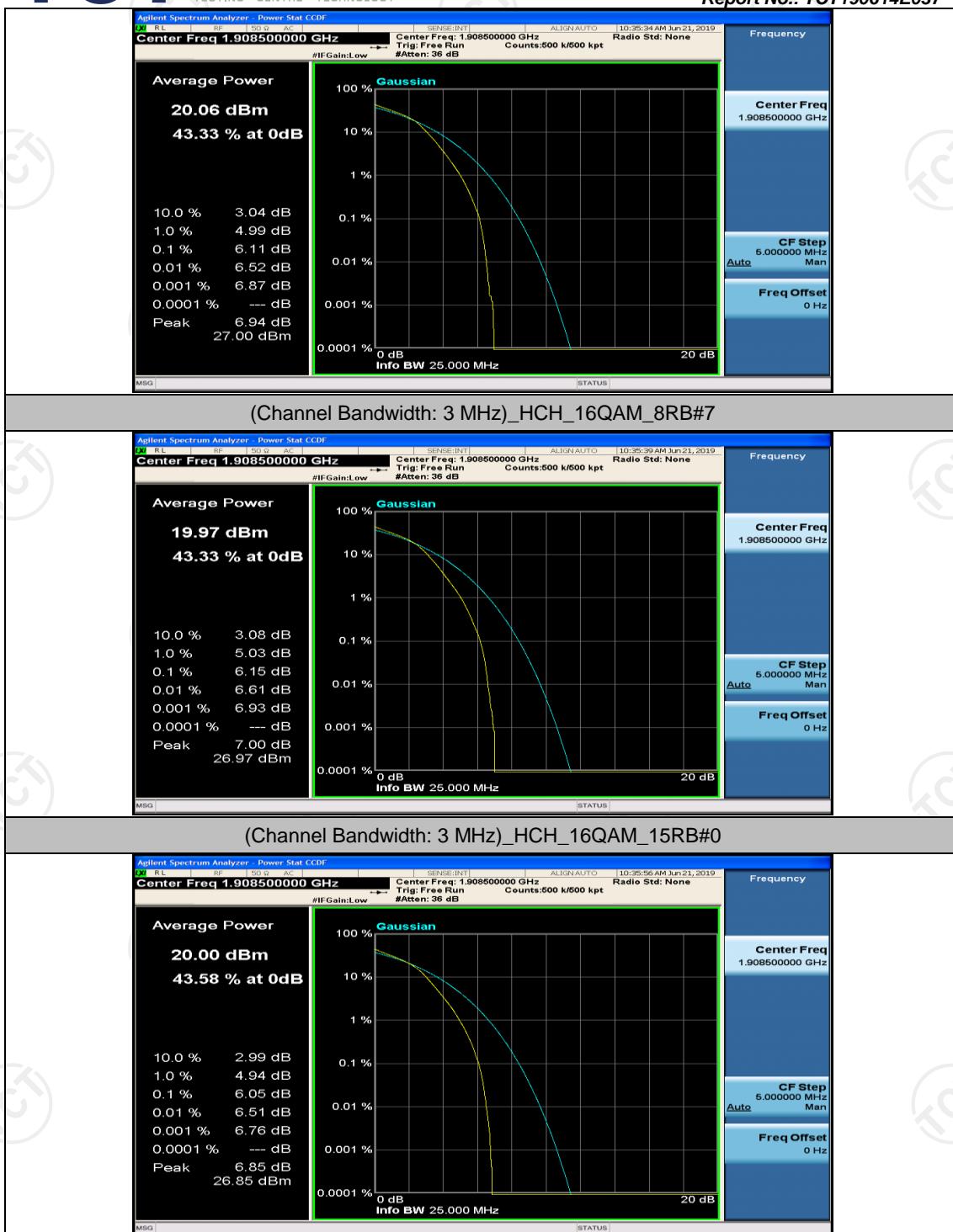












Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

