

Appendix II) LTE Band 4 Test data

Appendix A: Conducted Output Power and Effective (Isotropic) Radiated Power

Description of the Conducted Output Power Measurement and ERP/EIRP Measurement:	A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported. According to KDB 412172 D01 Power Approach $EIRP = P_T + G_T - L_c$, $ERP = EIRP - 2.15$, where P_T = transmitter output power in dBm G_T = gain of the transmitting antenna in dBi L_c = signal attenuation in the connecting cable between the transmitter and antenna in dB				
Measurement Procedure:	1. The transmitter output port was connected to the system simulator. 2. Set EUT at maximum power through the system simulator. 3. Select lowest, middle, and highest channels for each band and different modulation. 4. Measure and record the power level from the system simulator.				
Limit:	<table border="1"> <tr> <td data-bbox="443 999 619 1055">Mode</td><td data-bbox="627 999 1074 1055">LTE band 4</td></tr> <tr> <td data-bbox="443 1066 619 1111">Limit</td><td data-bbox="627 1066 1074 1111">30dBm</td></tr> </table>	Mode	LTE band 4	Limit	30dBm
Mode	LTE band 4				
Limit	30dBm				

Test Result
 $G_T - L_C = 1.46\text{dB}$

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	22.50	23.96	PASS
		1	3	22.53	23.99	PASS
		1	5	22.55	24.01	PASS
		3	0	22.38	23.84	PASS
		3	2	22.37	23.83	PASS
		3	3	22.42	23.88	PASS
		6	0	21.39	22.85	PASS
	MCH	1	0	23.06	24.52	PASS
		1	3	23.08	24.54	PASS
		1	5	23.07	24.53	PASS
		3	0	22.93	24.39	PASS
		3	2	22.93	24.39	PASS
		3	3	22.93	24.39	PASS
		6	0	21.94	23.4	PASS
	HCH	1	0	22.48	23.94	PASS
		1	3	22.46	23.92	PASS
		1	5	22.44	23.9	PASS
		3	0	22.47	23.93	PASS
		3	2	22.46	23.92	PASS
		3	3	22.44	23.9	PASS
		6	0	21.54	23	PASS
16QAM	LCH	1	0	22.78	24.24	PASS
		1	3	22.79	24.25	PASS
		1	5	22.71	24.17	PASS
		3	0	22.43	23.89	PASS
		3	2	22.47	23.93	PASS
		3	3	22.41	23.87	PASS
		6	0	20.93	22.39	PASS
	MCH	1	0	22.43	23.89	PASS
		1	3	22.51	23.97	PASS
		1	5	22.41	23.87	PASS
		3	0	22.93	24.39	PASS
		3	2	22.93	24.39	PASS
		3	3	22.93	24.39	PASS
		6	0	21.35	22.81	PASS
	HCH	1	0	23.10	24.56	PASS
		1	3	23.16	24.62	PASS
		1	5	23.04	24.5	PASS
		3	0	22.46	23.92	PASS
		3	2	22.46	23.92	PASS
		3	3	22.44	23.9	PASS
		6	0	20.86	22.32	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	22.42	23.88	PASS
		1	7	22.37	23.83	PASS
		1	14	22.37	23.83	PASS
		8	0	21.44	22.9	PASS
		8	4	21.44	22.9	PASS
		8	7	21.44	22.9	PASS
		15	0	21.44	22.9	PASS
	MCH	1	0	22.65	24.11	PASS
		1	7	22.77	24.23	PASS
		1	14	22.69	24.15	PASS
		8	0	21.86	23.32	PASS
		8	4	21.96	23.42	PASS
		8	7	21.88	23.34	PASS
		15	0	21.94	23.4	PASS
	HCH	1	0	22.57	24.03	PASS
		1	7	22.48	23.94	PASS
		1	14	22.55	24.01	PASS
		8	0	21.53	22.99	PASS
		8	4	21.53	22.99	PASS
		8	7	21.53	22.99	PASS
		15	0	21.52	22.98	PASS
16QAM	LCH	1	0	21.55	23.01	PASS
		1	7	21.63	23.09	PASS
		1	14	21.52	22.98	PASS
		8	0	21.44	22.9	PASS
		8	4	21.44	22.9	PASS
		8	7	21.44	22.9	PASS
		15	0	20.73	22.19	PASS
	MCH	1	0	21.93	23.39	PASS
		1	7	21.97	23.43	PASS
		1	14	21.97	23.43	PASS
		8	0	21.93	23.39	PASS
		8	4	21.93	23.39	PASS
		8	7	21.94	23.4	PASS
		15	0	21.19	22.65	PASS
	HCH	1	0	21.73	23.19	PASS
		1	7	21.68	23.14	PASS
		1	14	21.68	23.14	PASS
		8	0	21.53	22.99	PASS
		8	4	21.53	22.99	PASS
		8	7	21.52	22.98	PASS
		15	0	20.90	22.36	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	22.52	23.98	PASS
		1	12	22.54	24	PASS
		1	24	22.49	23.95	PASS
		12	0	21.44	22.9	PASS
		12	6	21.38	22.84	PASS
		12	13	21.43	22.89	PASS
		25	0	21.35	22.81	PASS
	MCH	1	0	22.88	24.34	PASS
		1	12	22.91	24.37	PASS
		1	24	22.93	24.39	PASS
		12	0	21.90	23.36	PASS
		12	6	21.84	23.3	PASS
		12	13	21.98	23.44	PASS
		25	0	21.96	23.42	PASS
	HCH	1	0	22.68	24.14	PASS
		1	12	22.64	24.1	PASS
		1	24	22.49	23.95	PASS
		12	0	21.59	23.05	PASS
		12	6	21.61	23.07	PASS
		12	13	21.61	23.07	PASS
		25	0	21.52	22.98	PASS
16QAM	LCH	1	0	21.37	22.83	PASS
		1	12	21.01	22.47	PASS
		1	24	20.99	22.45	PASS
		12	0	21.35	22.81	PASS
		12	6	21.47	22.93	PASS
		12	13	21.43	22.89	PASS
		25	0	20.76	22.22	PASS
	MCH	1	0	21.40	22.86	PASS
		1	12	21.79	23.25	PASS
		1	24	21.64	23.1	PASS
		12	0	21.92	23.38	PASS
		12	6	21.92	23.38	PASS
		12	13	22.00	23.46	PASS
		25	0	21.28	22.74	PASS
	HCH	1	0	21.35	22.81	PASS
		1	12	21.37	22.83	PASS
		1	24	21.18	22.64	PASS
		12	0	21.62	23.08	PASS
		12	6	21.62	23.08	PASS
		12	13	21.54	23	PASS
		25	0	20.94	22.4	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	22.35	23.81	PASS
		1	24	22.40	23.86	PASS
		1	49	22.30	23.76	PASS
		25	0	21.42	22.88	PASS
		25	12	21.41	22.87	PASS
		25	25	21.38	22.84	PASS
		50	0	21.45	22.91	PASS
	MCH	1	0	22.75	24.21	PASS
		1	24	22.84	24.3	PASS
		1	49	22.90	24.36	PASS
		25	0	21.82	23.28	PASS
		25	12	21.80	23.26	PASS
		25	25	21.87	23.33	PASS
		50	0	21.90	23.36	PASS
	HCH	1	0	22.81	24.27	PASS
		1	24	22.73	24.19	PASS
		1	49	22.43	23.89	PASS
		25	0	21.74	23.2	PASS
		25	12	21.74	23.2	PASS
		25	25	21.50	22.96	PASS
		50	0	21.65	23.11	PASS
16QAM	LCH	1	0	21.82	23.28	PASS
		1	24	21.80	23.26	PASS
		1	49	21.78	23.24	PASS
		25	0	21.41	22.87	PASS
		25	12	21.42	22.88	PASS
		25	25	21.38	22.84	PASS
		50	0	20.65	22.11	PASS
	MCH	1	0	22.18	23.64	PASS
		1	24	22.29	23.75	PASS
		1	49	22.25	23.71	PASS
		25	0	21.81	23.27	PASS
		25	12	21.82	23.28	PASS
		25	25	22.04	23.5	PASS
		50	0	21.10	22.56	PASS
	HCH	1	0	21.98	23.44	PASS
		1	24	21.74	23.2	PASS
		1	49	21.51	22.97	PASS
		25	0	21.73	23.19	PASS
		25	12	21.73	23.19	PASS
		25	25	21.52	22.98	PASS
		50	0	20.98	22.44	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	22.33	23.79	PASS
		1	37	22.40	23.86	PASS
		1	74	22.42	23.88	PASS
		37	0	21.44	22.9	PASS
		37	18	21.44	22.9	PASS
		37	38	21.44	22.9	PASS
		75	0	21.45	22.91	PASS
	MCH	1	0	22.66	24.12	PASS
		1	37	22.82	24.28	PASS
		1	74	22.86	24.32	PASS
		37	0	21.90	23.36	PASS
		37	18	21.90	23.36	PASS
		37	38	21.90	23.36	PASS
		75	0	21.90	23.36	PASS
	HCH	1	0	22.65	24.11	PASS
		1	37	22.50	23.96	PASS
		1	74	22.36	23.82	PASS
		37	0	21.71	23.17	PASS
		37	18	21.71	23.17	PASS
		37	38	21.71	23.17	PASS
		75	0	21.70	23.16	PASS
16QAM	LCH	1	0	21.82	23.28	PASS
		1	37	21.85	23.31	PASS
		1	74	21.98	23.44	PASS
		37	0	21.44	22.9	PASS
		37	18	21.44	22.9	PASS
		37	38	21.44	22.9	PASS
		75	0	20.66	22.12	PASS
	MCH	1	0	22.14	23.6	PASS
		1	37	22.28	23.74	PASS
		1	74	22.33	23.79	PASS
		37	0	21.90	23.36	PASS
		37	18	21.90	23.36	PASS
		37	38	21.90	23.36	PASS
		75	0	21.22	22.68	PASS
	HCH	1	0	21.87	23.33	PASS
		1	37	21.70	23.16	PASS
		1	74	21.61	23.07	PASS
		37	0	21.71	23.17	PASS
		37	18	21.70	23.16	PASS
		37	38	21.70	23.16	PASS
		75	0	20.89	22.35	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	22.72	24.18	PASS
		1	49	22.73	24.19	PASS
		1	99	22.92	24.38	PASS
		50	0	21.38	22.84	PASS
		50	25	21.38	22.84	PASS
		50	50	21.60	23.06	PASS
		100	0	21.51	22.97	PASS
	MCH	1	0	23.11	24.57	PASS
		1	49	23.31	24.77	PASS
		1	99	23.22	24.68	PASS
		50	0	21.75	23.21	PASS
		50	25	21.76	23.22	PASS
		50	50	21.92	23.38	PASS
		100	0	21.89	23.35	PASS
	HCH	1	0	23.22	24.68	PASS
		1	49	23.01	24.47	PASS
		1	99	22.83	24.29	PASS
		50	0	21.95	23.41	PASS
		50	25	21.94	23.4	PASS
		50	50	21.67	23.13	PASS
		100	0	21.84	23.3	PASS
16QAM	LCH	1	0	21.81	23.27	PASS
		1	49	21.76	23.22	PASS
		1	99	22.03	23.49	PASS
		50	0	21.39	22.85	PASS
		50	25	21.39	22.85	PASS
		50	50	21.71	23.17	PASS
		100	0	20.70	22.16	PASS
	MCH	1	0	21.58	23.04	PASS
		1	49	21.92	23.38	PASS
		1	99	21.89	23.35	PASS
		50	0	21.75	23.21	PASS
		50	25	21.76	23.22	PASS
		50	50	21.90	23.36	PASS
		100	0	21.10	22.56	PASS
	HCH	1	0	21.56	23.02	PASS
		1	49	21.55	23.01	PASS
		1	99	21.37	22.83	PASS
		50	0	21.82	23.28	PASS
		50	25	21.82	23.28	PASS

		50	50	21.62	23.08	PASS
		100	0	21.05	22.51	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	5.52	<13	PASS
		1	3	5.36	<13	PASS
		1	5	5.52	<13	PASS
		3	0	5.5	<13	PASS
		3	2	5.58	<13	PASS
		3	3	5.63	<13	PASS
		6	0	5.69	<13	PASS
	MCH	1	0	5.06	<13	PASS
		1	3	4.75	<13	PASS
		1	5	4.9	<13	PASS
		3	0	5.03	<13	PASS
		3	2	4.98	<13	PASS
		3	3	5.12	<13	PASS
		6	0	5.33	<13	PASS
	HCH	1	0	4.86	<13	PASS
		1	3	4.63	<13	PASS
		1	5	4.72	<13	PASS
		3	0	4.85	<13	PASS
		3	2	4.86	<13	PASS
		3	3	4.8	<13	PASS
		6	0	5.22	<13	PASS
16QAM	LCH	1	0	5.8	<13	PASS
		1	3	5.81	<13	PASS
		1	5	5.82	<13	PASS
		3	0	5.49	<13	PASS
		3	2	5.57	<13	PASS
		3	3	5.57	<13	PASS
		6	0	6.26	<13	PASS
	MCH	1	0	5.52	<13	PASS
		1	3	5.7	<13	PASS
		1	5	5.59	<13	PASS
		3	0	5.14	<13	PASS
		3	2	5.1	<13	PASS
		3	3	5.01	<13	PASS
		6	0	5.99	<13	PASS
	HCH	1	0	5.06	<13	PASS
		1	3	4.98	<13	PASS
		1	5	4.96	<13	PASS
		3	0	4.85	<13	PASS
		3	2	4.92	<13	PASS
		3	3	4.76	<13	PASS
		6	0	5.83	<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	5.44	<13	PASS
		1	7	5.48	<13	PASS
		1	14	5.37	<13	PASS
		8	0	5.88	<13	PASS
		8	4	5.78	<13	PASS
		8	7	5.78	<13	PASS
		15	0	5.72	<13	PASS
	MCH	1	0	4.99	<13	PASS
		1	7	4.97	<13	PASS
		1	14	5.28	<13	PASS
		8	0	5.51	<13	PASS
		8	4	5.56	<13	PASS
		8	7	5.55	<13	PASS
		15	0	5.53	<13	PASS
	HCH	1	0	4.82	<13	PASS
		1	7	4.73	<13	PASS
		1	14	4.63	<13	PASS
		8	0	5.39	<13	PASS
		8	4	5.43	<13	PASS
		8	7	5.42	<13	PASS
		15	0	5.44	<13	PASS
16QAM	LCH	1	0	6.26	<13	PASS
		1	7	6.23	<13	PASS
		1	14	5.97	<13	PASS
		8	0	5.86	<13	PASS
		8	4	5.69	<13	PASS
		8	7	5.74	<13	PASS
		15	0	6.47	<13	PASS
	MCH	1	0	5.66	<13	PASS
		1	7	5.68	<13	PASS
		1	14	5.93	<13	PASS
		8	0	5.58	<13	PASS
		8	4	5.63	<13	PASS
		8	7	5.52	<13	PASS
		15	0	6.24	<13	PASS
	HCH	1	0	5.85	<13	PASS
		1	7	5.73	<13	PASS
		1	14	5.43	<13	PASS
		8	0	5.36	<13	PASS
		8	4	5.36	<13	PASS
		8	7	5.48	<13	PASS
		15	0	6.02	<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	5.69	<13	PASS
		1	12	5.53	<13	PASS
		1	24	5.55	<13	PASS
		12	0	5.75	<13	PASS
		12	6	5.74	<13	PASS
		12	13	5.69	<13	PASS
		25	0	5.82	<13	PASS
	MCH	1	0	5.02	<13	PASS
		1	12	5.13	<13	PASS
		1	24	5.3	<13	PASS
		12	0	5.4	<13	PASS
		12	6	5.42	<13	PASS
		12	13	5.51	<13	PASS
		25	0	5.64	<13	PASS
	HCH	1	0	5.4	<13	PASS
		1	12	4.98	<13	PASS
		1	24	4.78	<13	PASS
		12	0	5.51	<13	PASS
		12	6	5.58	<13	PASS
		12	13	5.29	<13	PASS
		25	0	5.58	<13	PASS
16QAM	LCH	1	0	6.01	<13	PASS
		1	12	6.12	<13	PASS
		1	24	6.07	<13	PASS
		12	0	5.72	<13	PASS
		12	6	5.76	<13	PASS
		12	13	5.72	<13	PASS
		25	0	6.42	<13	PASS
	MCH	1	0	5.65	<13	PASS
		1	12	5.67	<13	PASS
		1	24	5.88	<13	PASS
		12	0	5.39	<13	PASS
		12	6	5.44	<13	PASS
		12	13	5.53	<13	PASS
		25	0	6.26	<13	PASS
	HCH	1	0	5.94	<13	PASS
		1	12	5.62	<13	PASS
		1	24	5.48	<13	PASS
		12	0	5.53	<13	PASS
		12	6	5.6	<13	PASS
		12	13	5.32	<13	PASS
		25	0	6.22	<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	5.38	<13	PASS
		1	24	5.35	<13	PASS
		1	49	5.17	<13	PASS
		25	0	5.45	<13	PASS
		25	12	5.45	<13	PASS
		25	25	5.17	<13	PASS
		50	0	5.3	<13	PASS
	MCH	1	0	4.78	<13	PASS
		1	24	4.95	<13	PASS
		1	49	5.56	<13	PASS
		25	0	5.18	<13	PASS
		25	12	5.19	<13	PASS
		25	25	5.24	<13	PASS
		50	0	5.22	<13	PASS
	HCH	1	0	5.65	<13	PASS
		1	24	5.13	<13	PASS
		1	49	4.95	<13	PASS
		25	0	5.43	<13	PASS
		25	12	5.48	<13	PASS
		25	25	4.98	<13	PASS
		50	0	5.32	<13	PASS
16QAM	LCH	1	0	6.06	<13	PASS
		1	24	6.22	<13	PASS
		1	49	5.93	<13	PASS
		25	0	5.4	<13	PASS
		25	12	5.44	<13	PASS
		25	25	5.11	<13	PASS
		50	0	6.25	<13	PASS
	MCH	1	0	5.54	<13	PASS
		1	24	5.72	<13	PASS
		1	49	6.36	<13	PASS
		25	0	5.16	<13	PASS
		25	12	5.13	<13	PASS
		25	25	5.15	<13	PASS
		50	0	6.27	<13	PASS
	HCH	1	0	6.54	<13	PASS
		1	24	6.07	<13	PASS
		1	49	5.65	<13	PASS
		25	0	5.44	<13	PASS
		25	12	5.42	<13	PASS
		25	25	5.03	<13	PASS
		50	0	6.27	<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	5.8	<13	PASS
		1	37	5.14	<13	PASS
		1	74	7.18	<13	PASS
		37	0	5.54	<13	PASS
		37	18	5.45	<13	PASS
		37	38	5.51	<13	PASS
		75	0	5.48	<13	PASS
	MCH	1	0	5.53	<13	PASS
		1	37	5.07	<13	PASS
		1	74	7.58	<13	PASS
		37	0	5.29	<13	PASS
		37	18	5.37	<13	PASS
		37	38	5.37	<13	PASS
		75	0	5.33	<13	PASS
	HCH	1	0	5.69	<13	PASS
		1	37	5.22	<13	PASS
		1	74	6.9	<13	PASS
		37	0	5.4	<13	PASS
		37	18	5.46	<13	PASS
		37	38	5.45	<13	PASS
		75	0	5.5	<13	PASS
16QAM	LCH	1	0	6.51	<13	PASS
		1	37	5.78	<13	PASS
		1	74	7.5	<13	PASS
		37	0	5.48	<13	PASS
		37	18	5.49	<13	PASS
		37	38	5.47	<13	PASS
		75	0	6.58	<13	PASS
	MCH	1	0	6.01	<13	PASS
		1	37	5.69	<13	PASS
		1	74	7.4	<13	PASS
		37	0	5.39	<13	PASS
		37	18	5.32	<13	PASS
		37	38	5.34	<13	PASS
		75	0	6.57	<13	PASS
	HCH	1	0	6.62	<13	PASS
		1	37	6.18	<13	PASS
		1	74	7.23	<13	PASS
		37	0	5.45	<13	PASS
		37	18	5.53	<13	PASS
		37	38	5.45	<13	PASS
		75	0	6.6	<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	8.78	<13	PASS
		1	49	4.77	<13	PASS
		1	99	8.48	<13	PASS
		50	0	5.97	<13	PASS
		50	25	5.94	<13	PASS
		50	50	6.15	<13	PASS
		100	0	6.09	<13	PASS
		100	0	6.09	<13	PASS
	MCH	1	0	8.73	<13	PASS
		1	49	4.65	<13	PASS
		1	99	8.74	<13	PASS
		50	0	5.94	<13	PASS
		50	25	5.92	<13	PASS
		50	50	6.18	<13	PASS
		100	0	5.98	<13	PASS
		100	0	5.98	<13	PASS
	HCH	1	0	8.59	<13	PASS
		1	49	5.02	<13	PASS
		1	99	8.64	<13	PASS
		50	0	5.91	<13	PASS
		50	25	5.91	<13	PASS
		50	50	6.17	<13	PASS
		100	0	6.07	<13	PASS
		100	0	6.07	<13	PASS
16QAM	LCH	1	0	8.67	<13	PASS
		1	49	5.39	<13	PASS
		1	99	8.4	<13	PASS
		50	0	5.99	<13	PASS
		50	25	5.96	<13	PASS
		50	50	6.16	<13	PASS
		100	0	6.99	<13	PASS
		100	0	6.99	<13	PASS
	MCH	1	0	8.65	<13	PASS
		1	49	5.43	<13	PASS
		1	99	8.55	<13	PASS
		50	0	5.86	<13	PASS
		50	25	5.87	<13	PASS
		50	50	6.18	<13	PASS
		100	0	6.94	<13	PASS
		100	0	6.94	<13	PASS
	HCH	1	0	8.52	<13	PASS
		1	49	5.77	<13	PASS
		1	99	8.6	<13	PASS
		50	0	5.86	<13	PASS
		50	25	5.97	<13	PASS
		50	50	6.17	<13	PASS
		100	0	6.98	<13	PASS
		100	0	6.98	<13	PASS

Test Graphs

Channel Bandwidth: 1.4 MHz





Channel Bandwidth: 3 MHz





Channel Bandwidth: 5 MHz





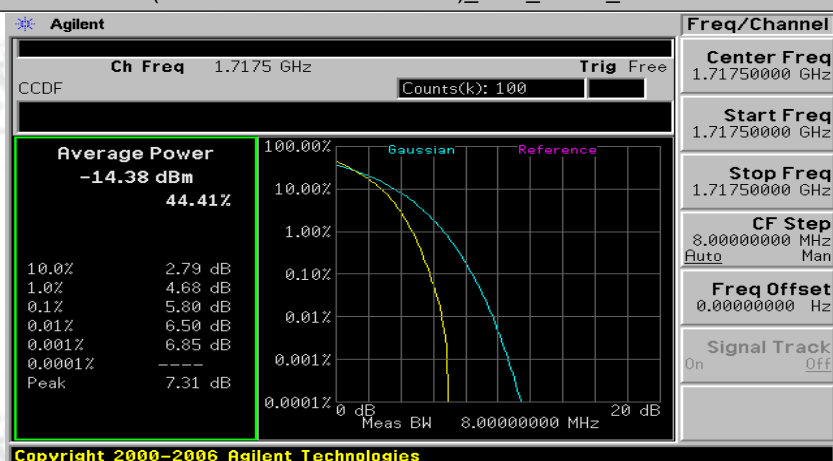
Channel Bandwidth: 10 MHz



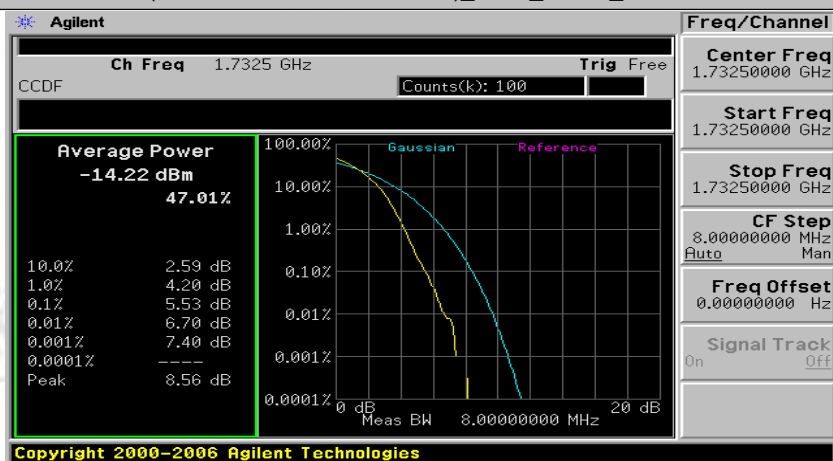


Channel Bandwidth: 15 MHz

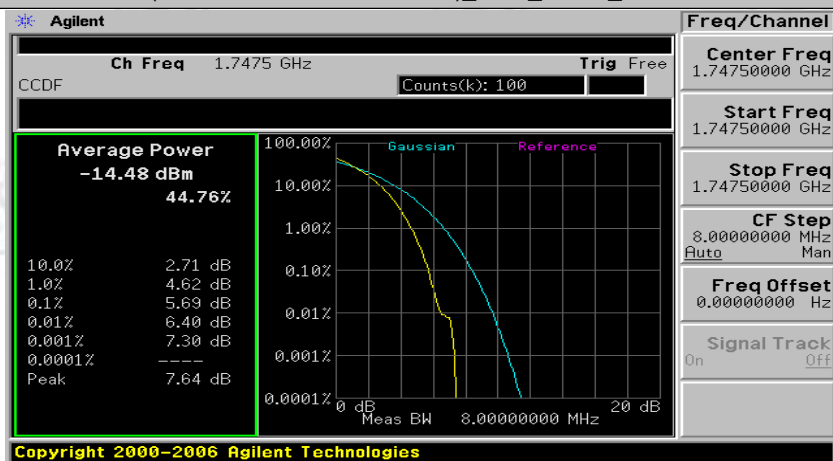
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0



(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0



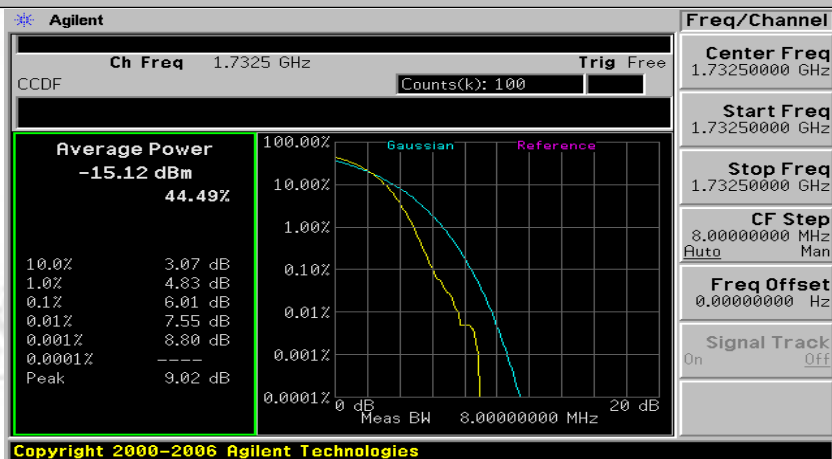
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



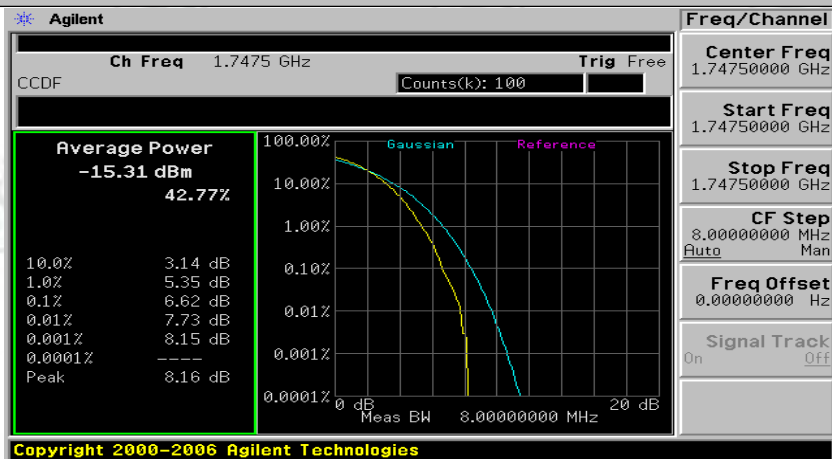
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

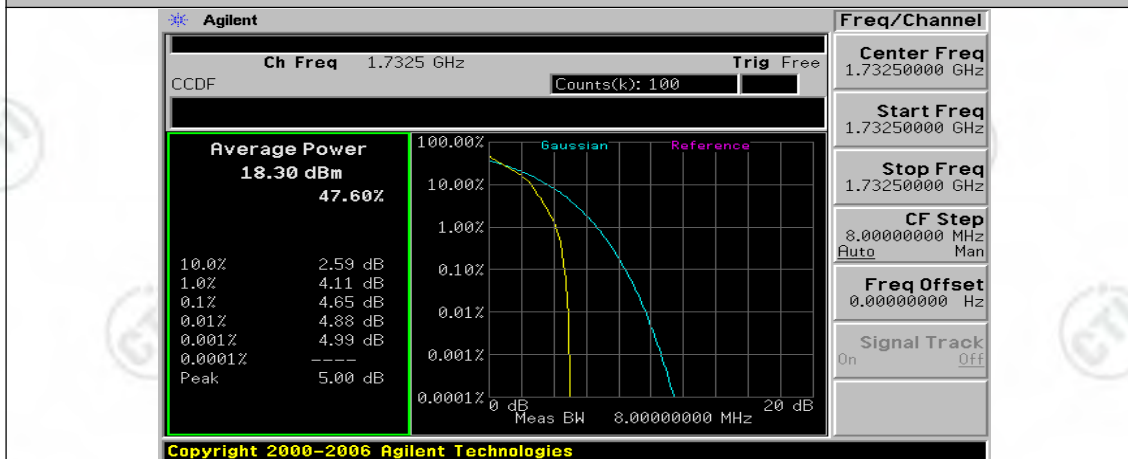


Channel Bandwidth: 20 MHz

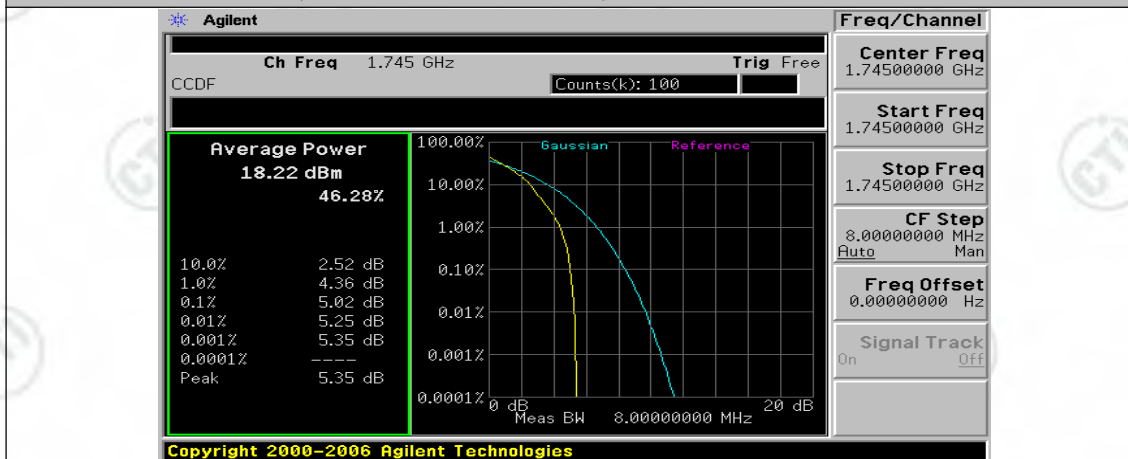
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49



(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



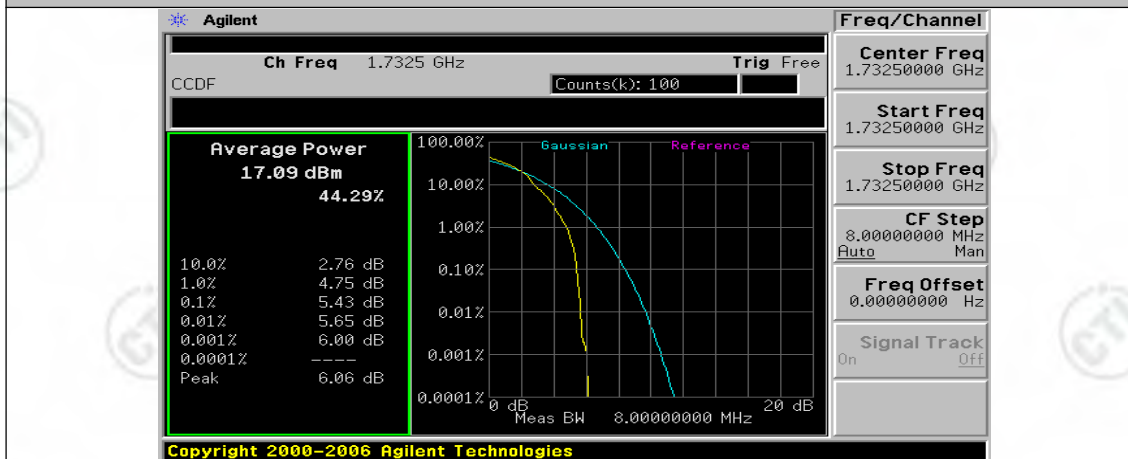
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



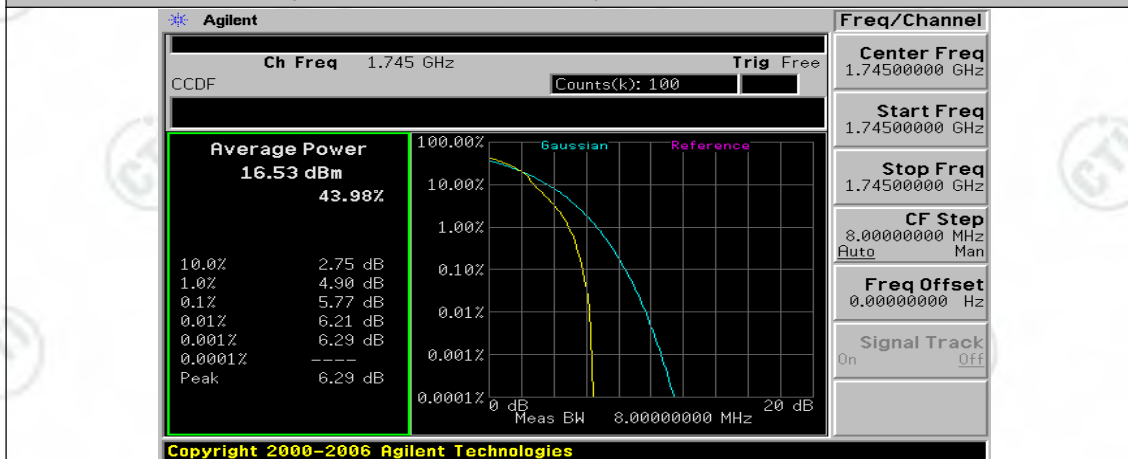
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	6	0	1.0763	1.269	PASS
	MCH	6	0	1.0780	1.250	PASS
	HCH	6	0	1.0749	1.252	PASS
16QAM	LCH	6	0	1.0842	1.232	PASS
	MCH	6	0	1.0826	1.236	PASS
	HCH	6	0	1.0853	1.238	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	15	0	2.6808	3.021	PASS
	MCH	15	0	2.6849	3.009	PASS
	HCH	15	0	2.6838	2.995	PASS
16QAM	LCH	15	0	2.6819	2.983	PASS
	MCH	15	0	2.6823	2.993	PASS
	HCH	15	0	2.6781	2.959	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	25	0	4.4758	5.137	PASS
	MCH	25	0	4.4854	5.046	PASS
	HCH	25	0	4.4761	5.112	PASS
16QAM	LCH	25	0	4.4708	4.978	PASS
	MCH	25	0	4.4732	4.971	PASS
	HCH	25	0	4.4747	4.984	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	50	0	8.9312	9.861	PASS
	MCH	50	0	8.9502	9.819	PASS
	HCH	50	0	8.9369	9.790	PASS
16QAM	LCH	50	0	8.9355	9.781	PASS
	MCH	50	0	8.9367	9.862	PASS
	HCH	50	0	8.9382	9.802	PASS

Channel Bandwidth: 15 MHz

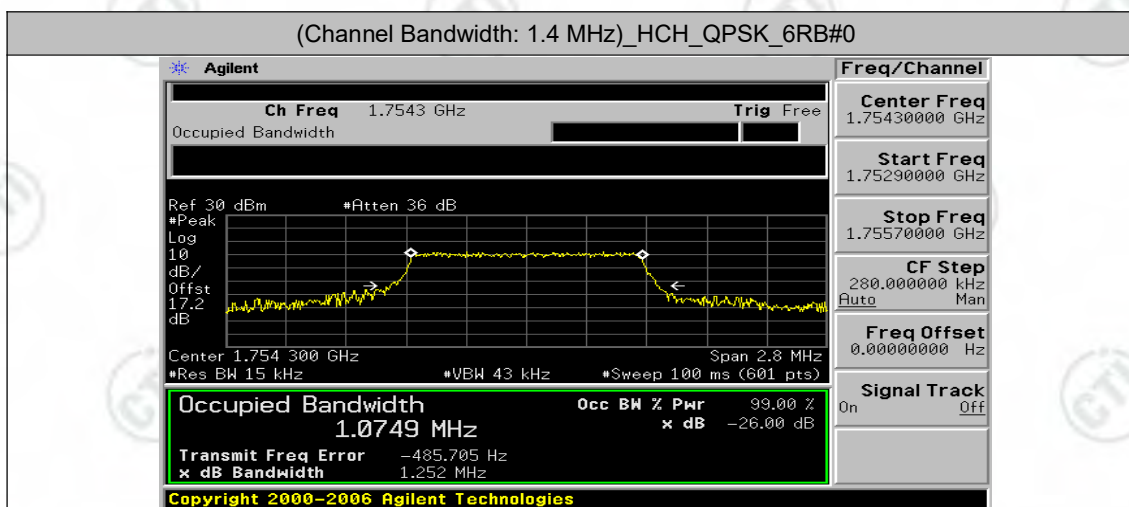
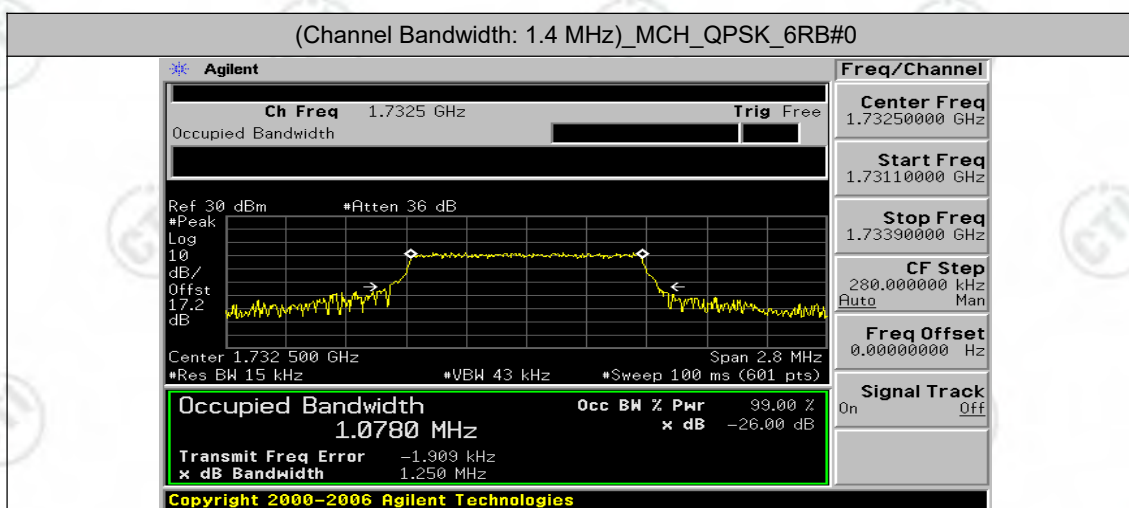
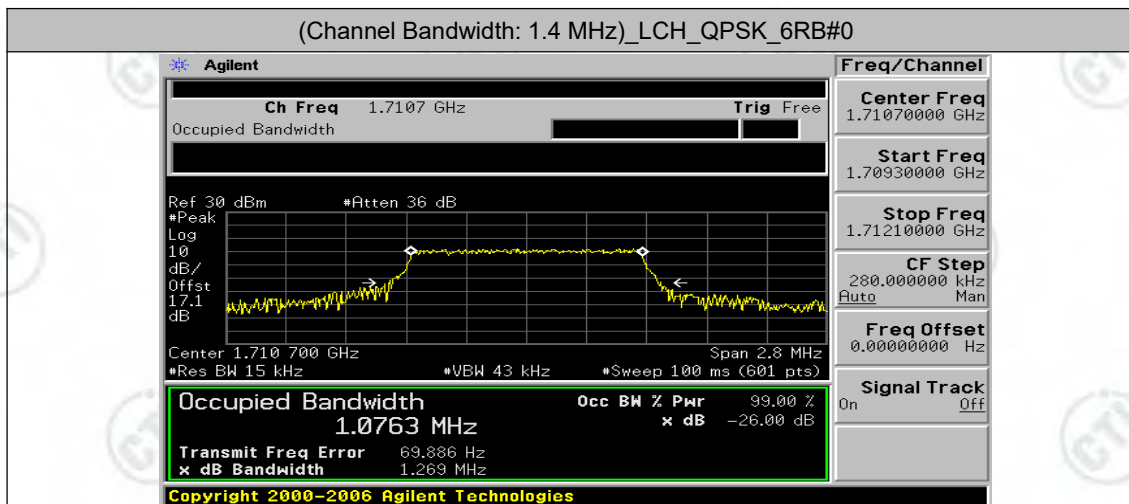
Channel Bandwidth: 15 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	75	0	13.4044	14.926	PASS
	MCH	75	0	13.3929	14.767	PASS
	HCH	75	0	13.4340	15.058	PASS
16QAM	LCH	75	0	13.3985	14.658	PASS
	MCH	75	0	13.3720	14.632	PASS
	HCH	75	0	13.4383	14.747	PASS

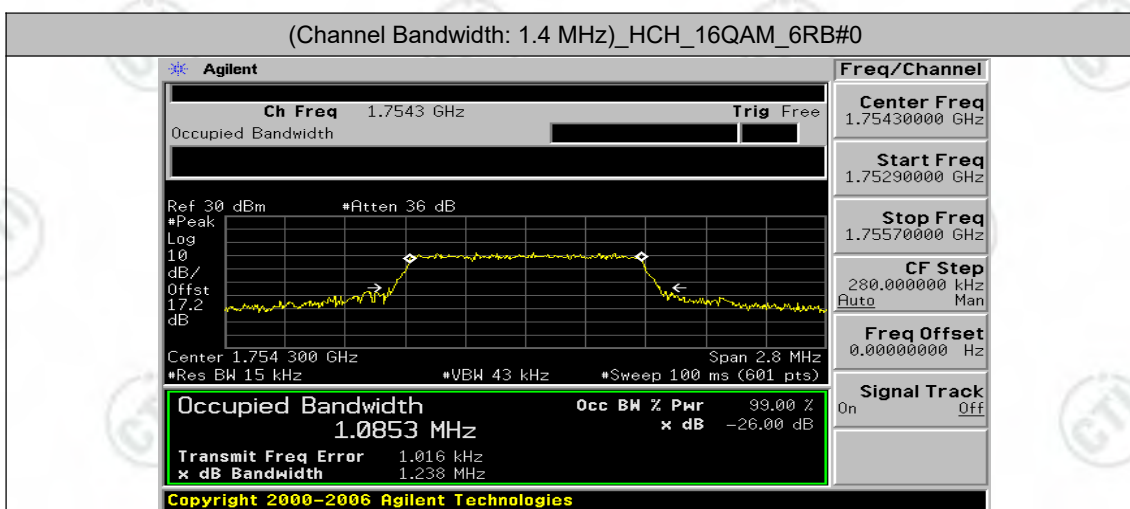
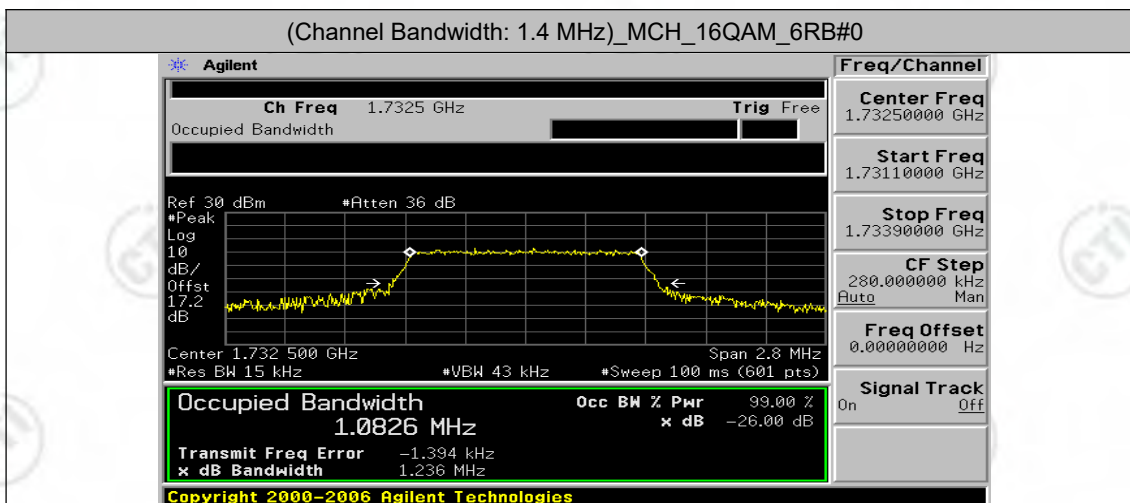
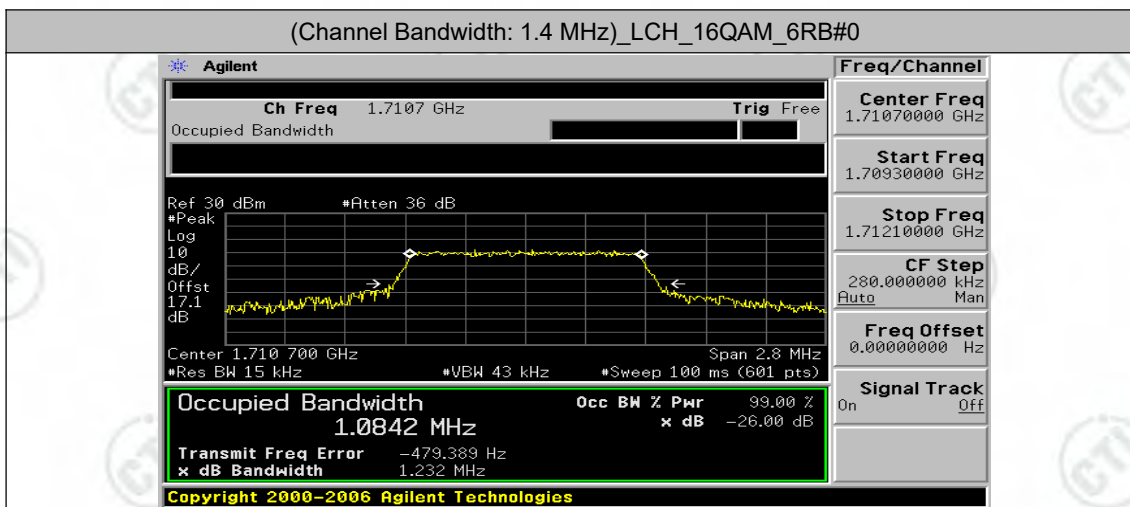
Channel Bandwidth: 20 MHz

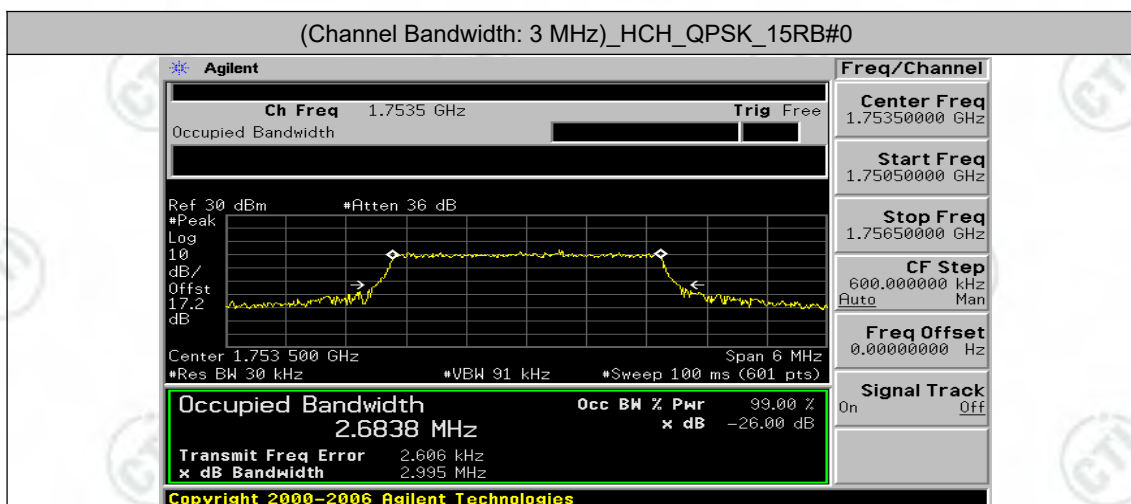
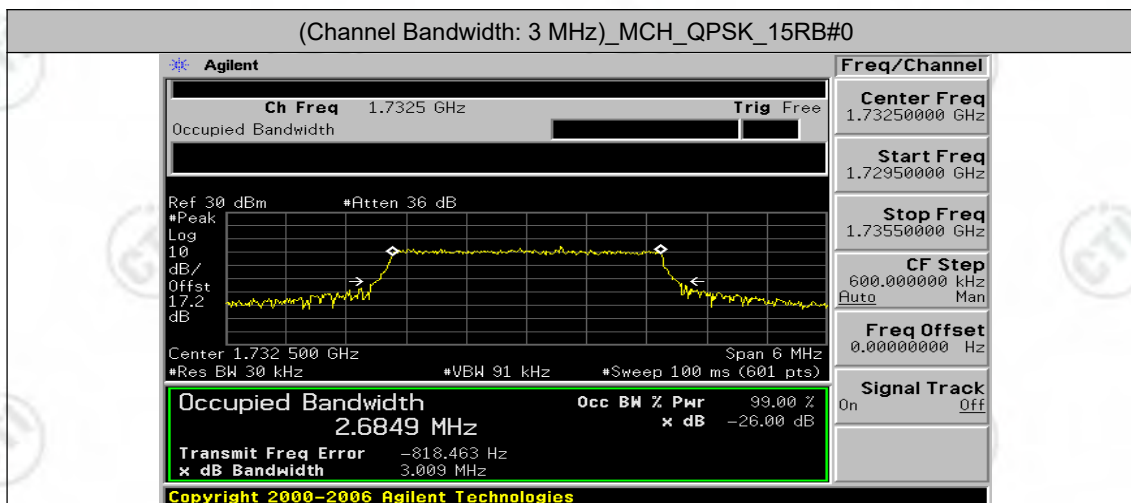
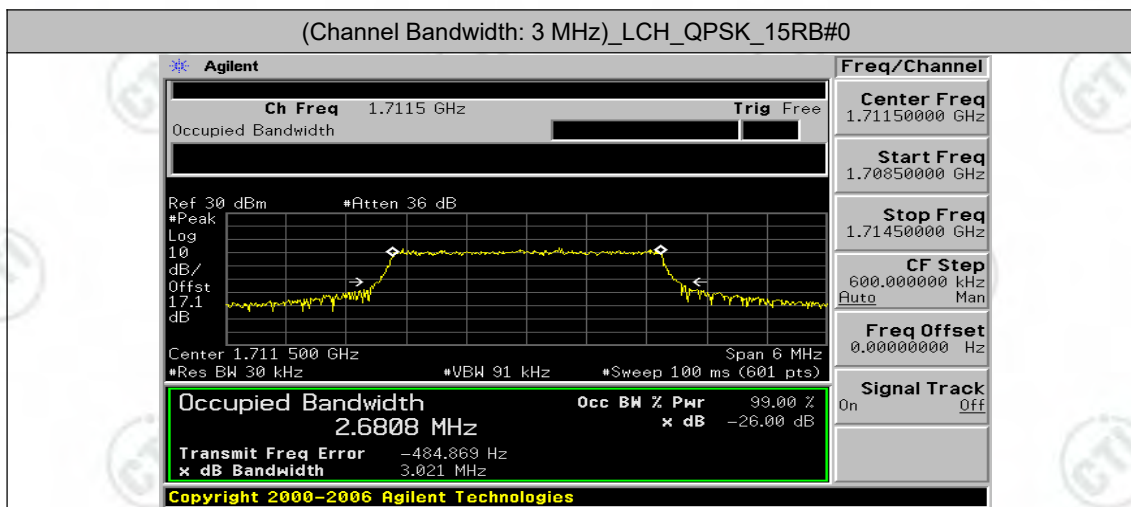
Channel Bandwidth: 20 MHz						
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
		Size	Offset			
QPSK	LCH	100	0	17.8446	19.387	PASS
	MCH	100	0	17.8682	19.300	PASS
	HCH	100	0	17.9076	19.391	PASS
16QAM	LCH	100	0	17.8477	19.435	PASS
	MCH	100	0	17.8786	19.386	PASS
	HCH	100	0	17.9712	19.772	PASS

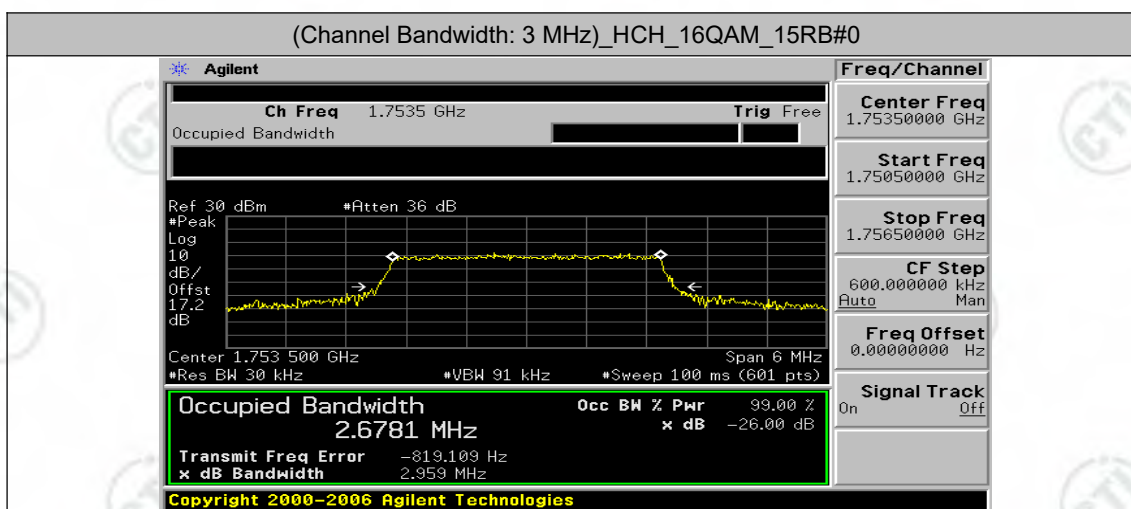
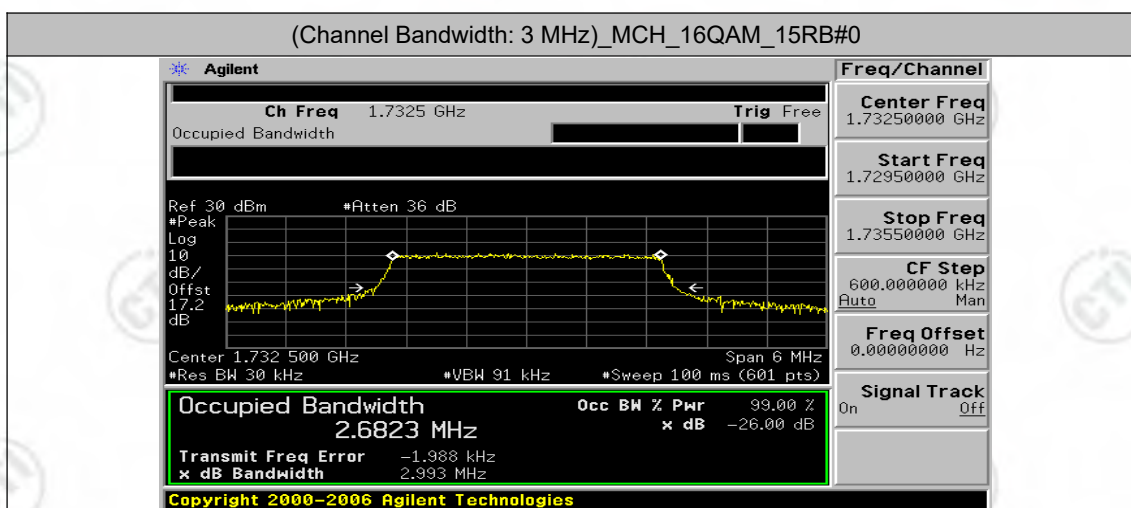
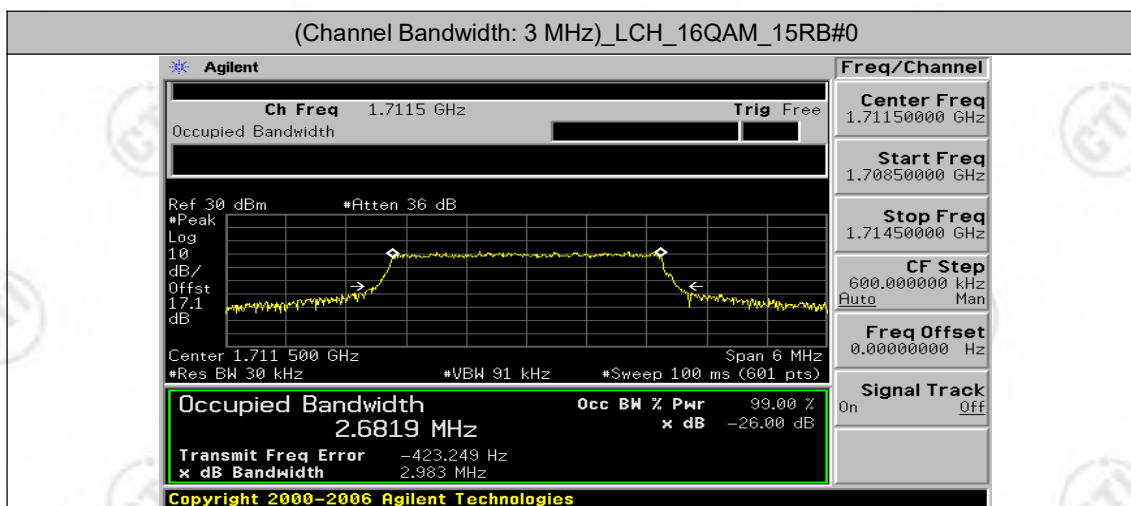
Test Graphs

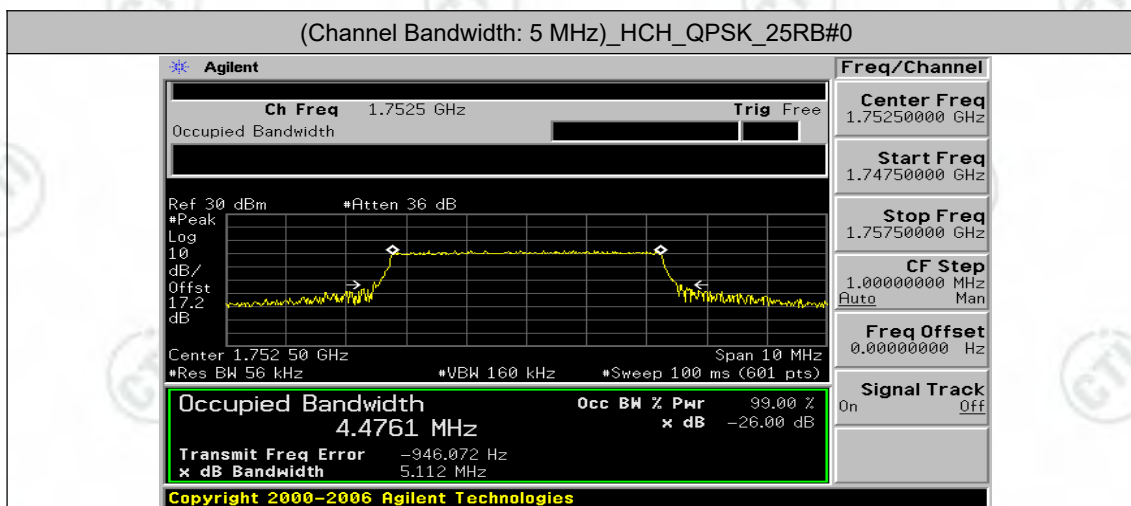
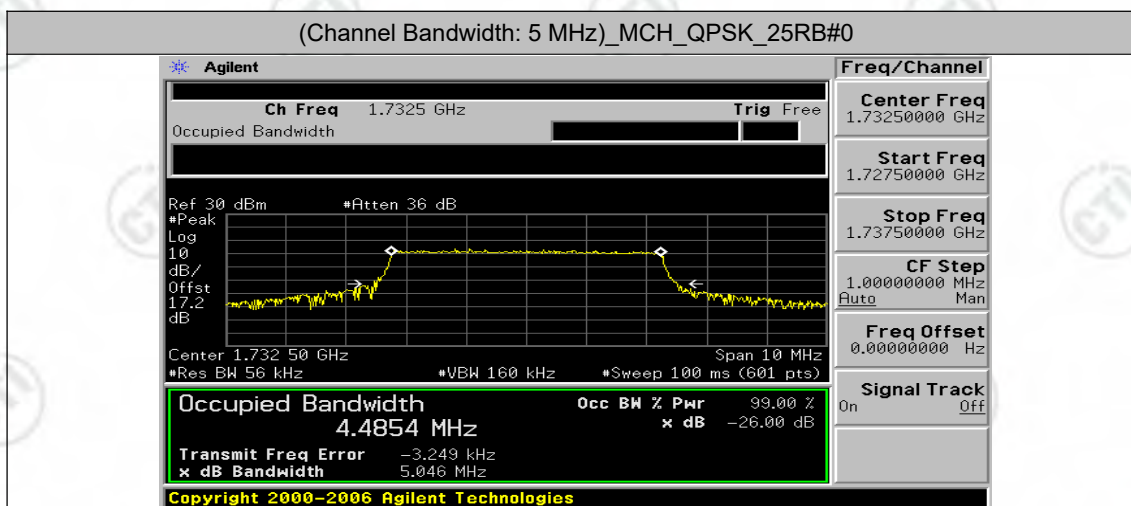
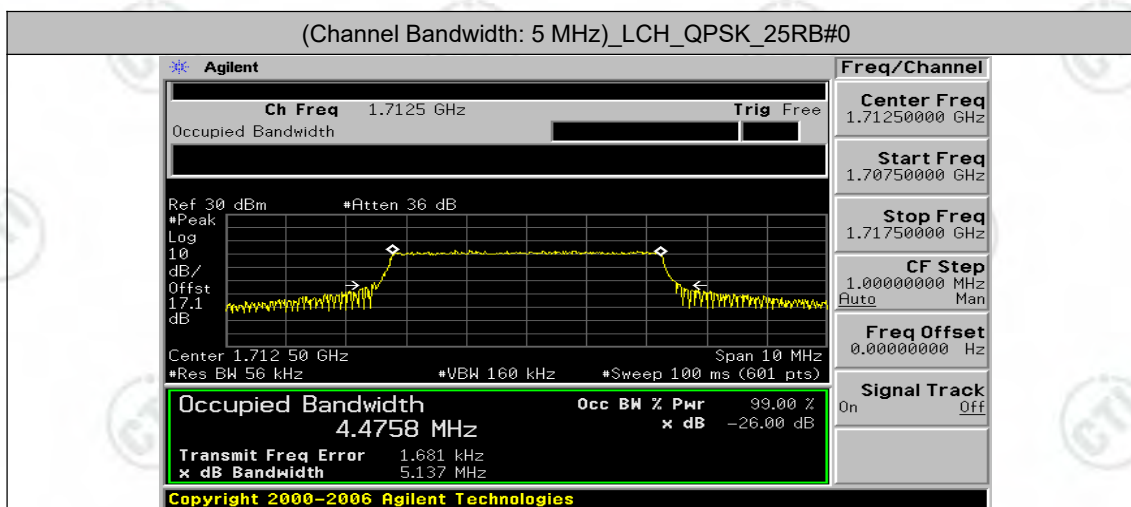
Channel Bandwidth: 1.4 MHz

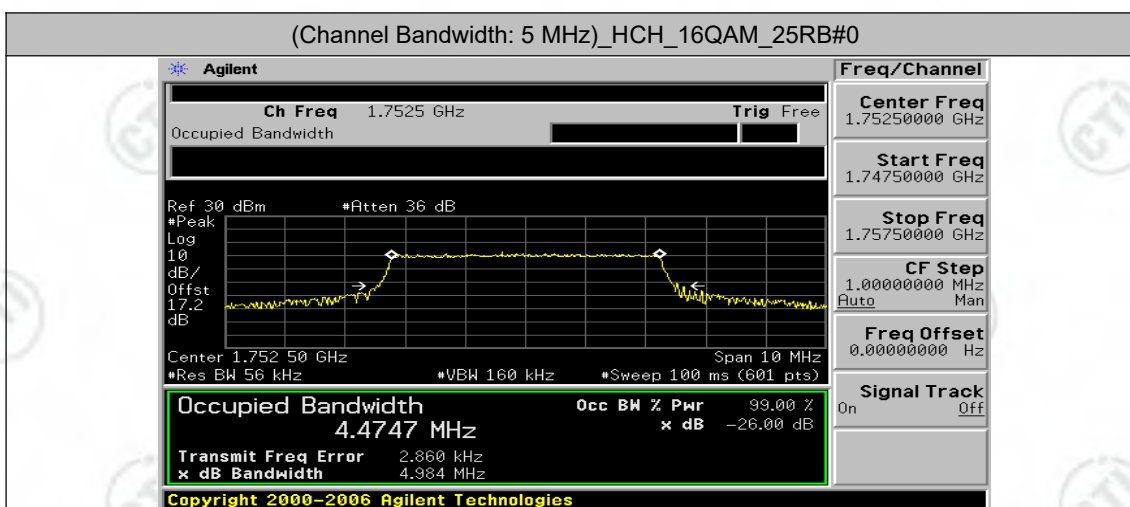
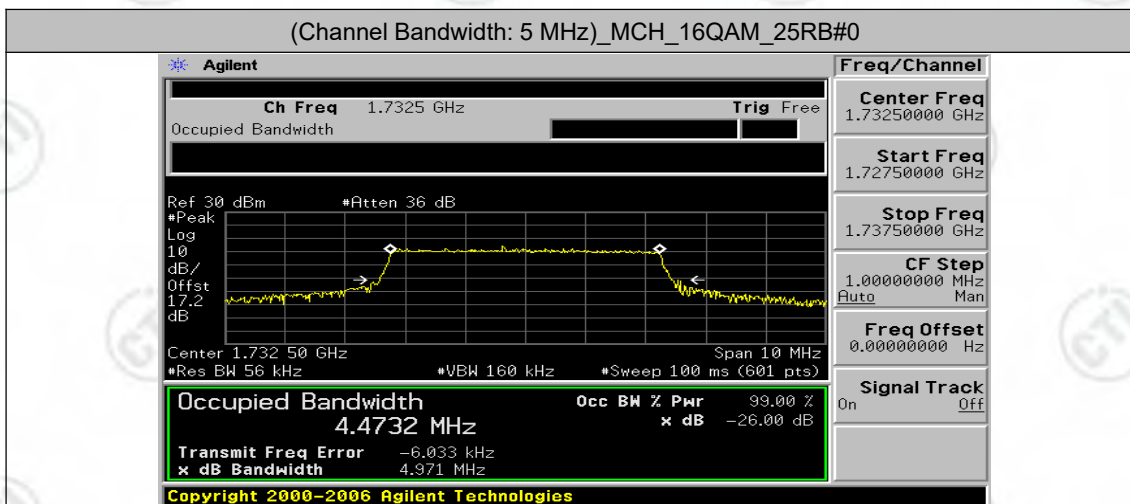
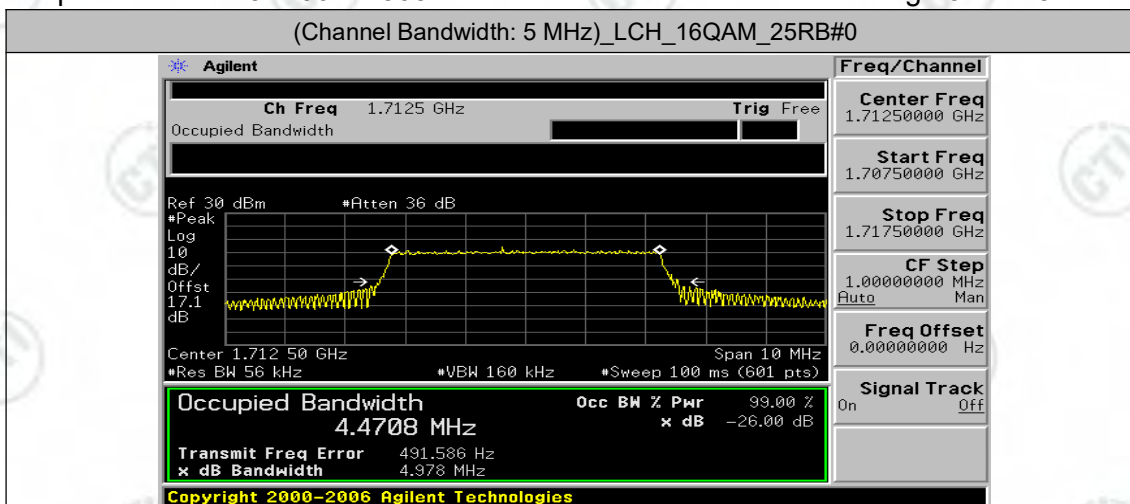


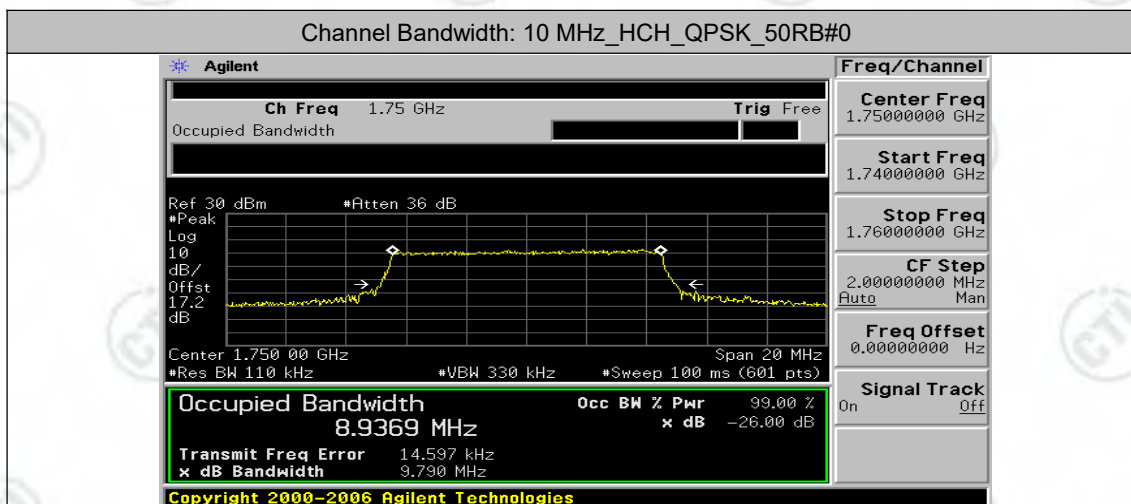
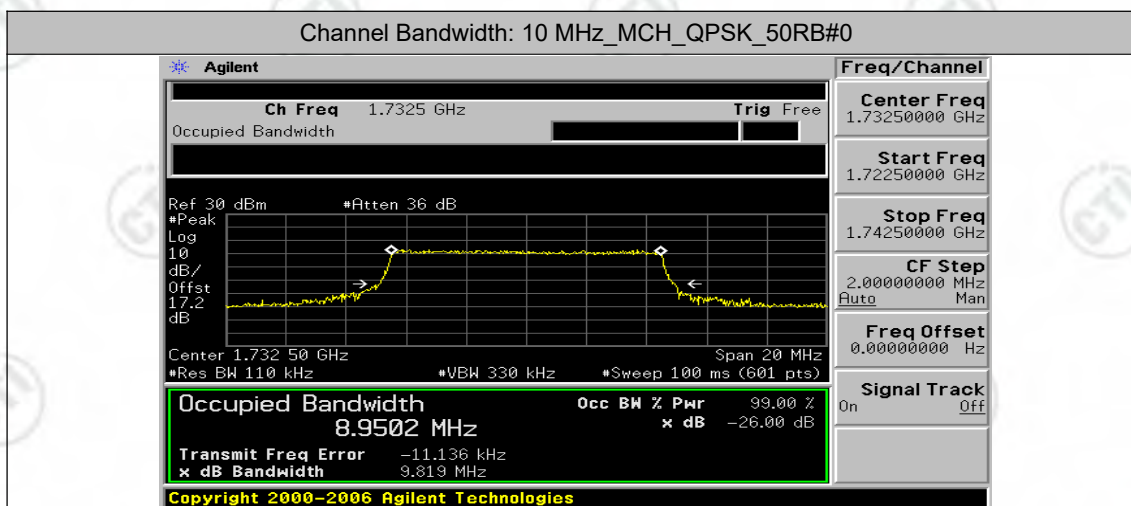
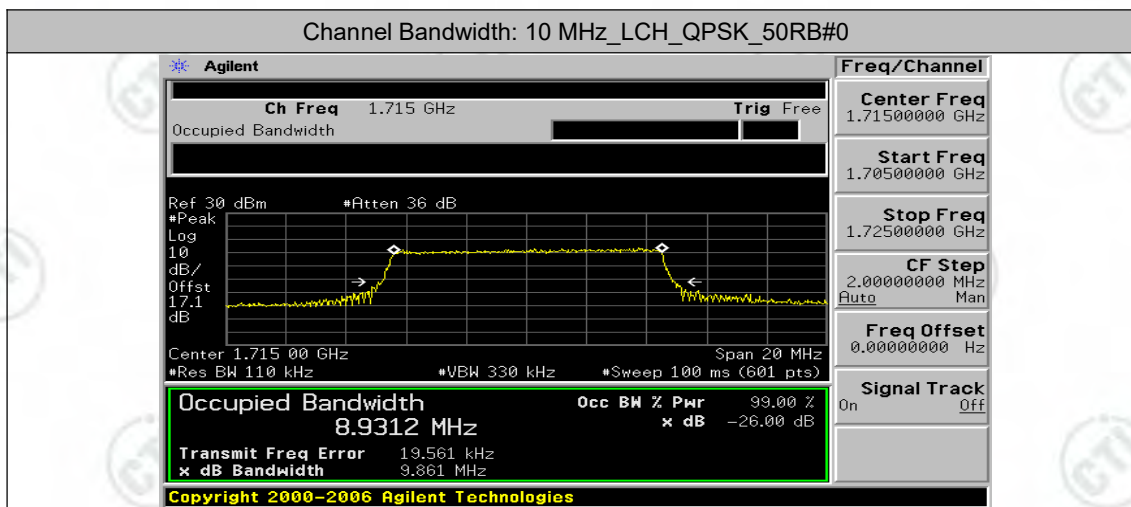


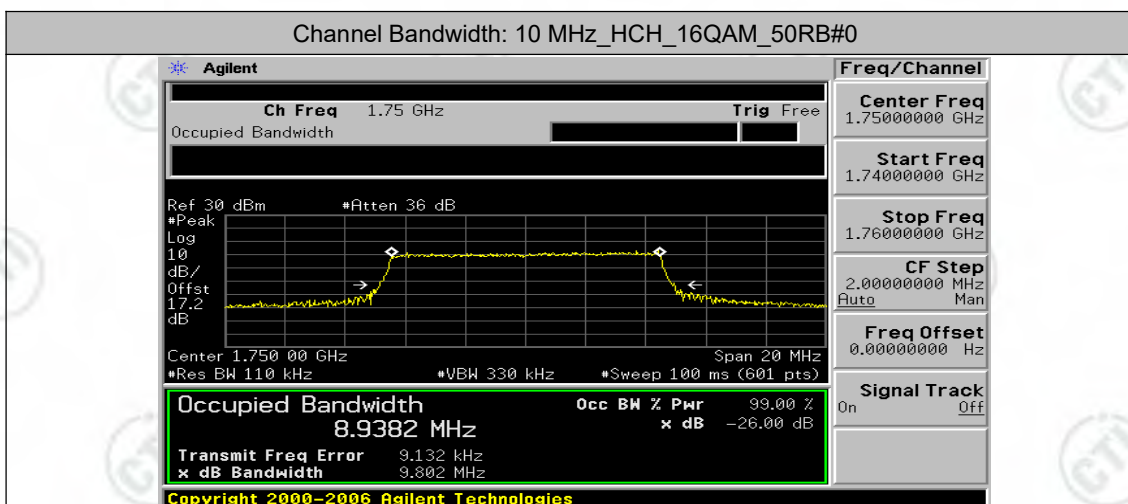
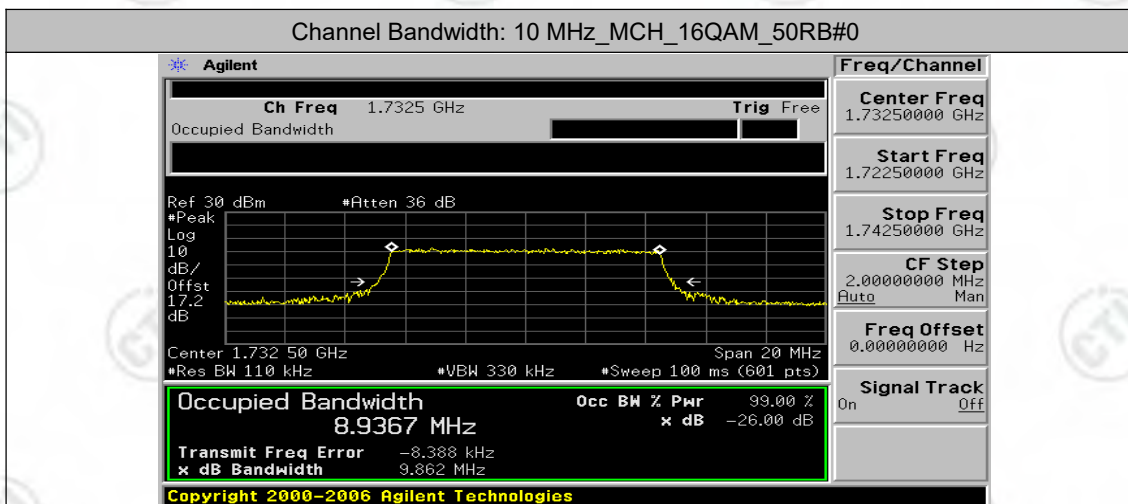
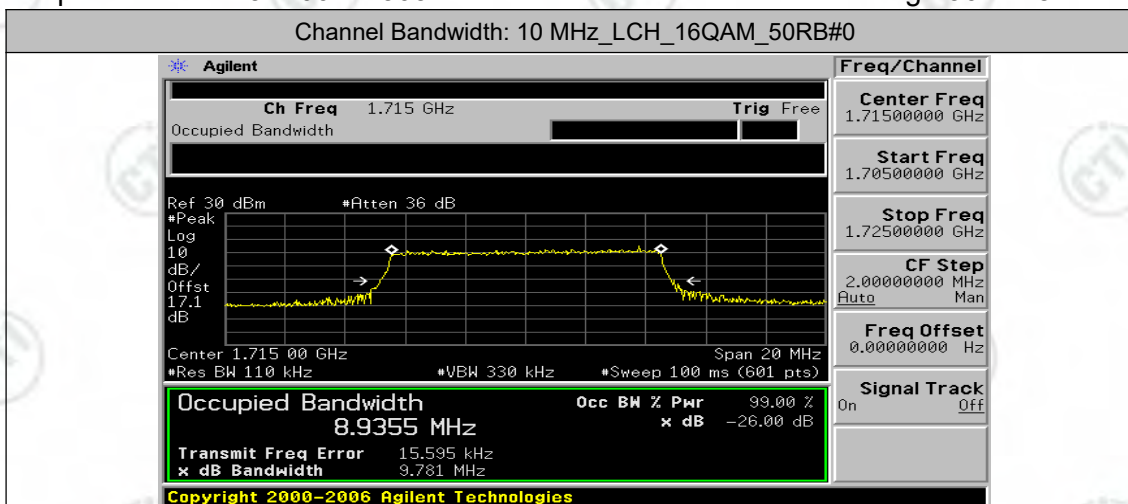


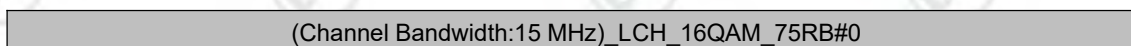
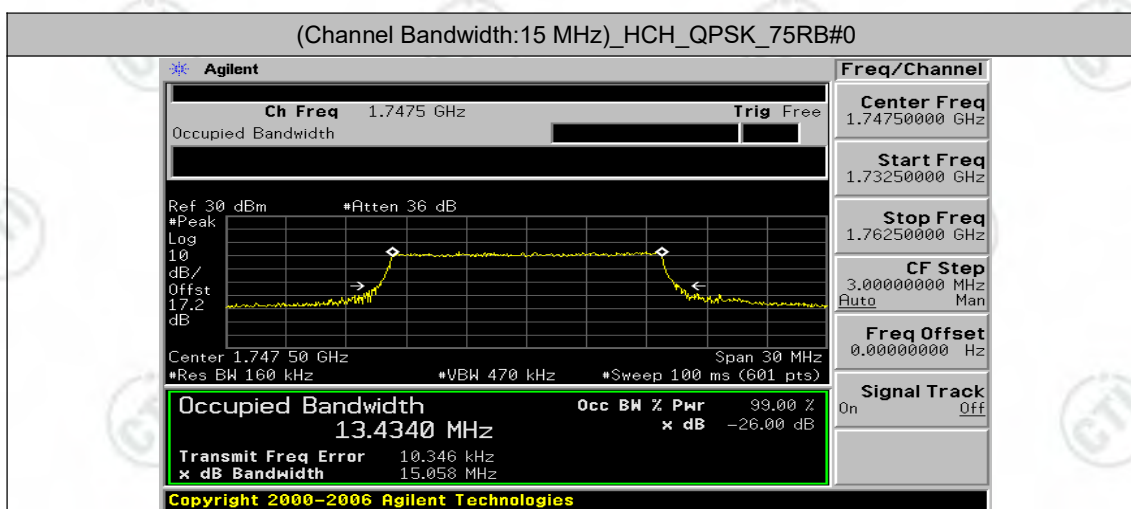
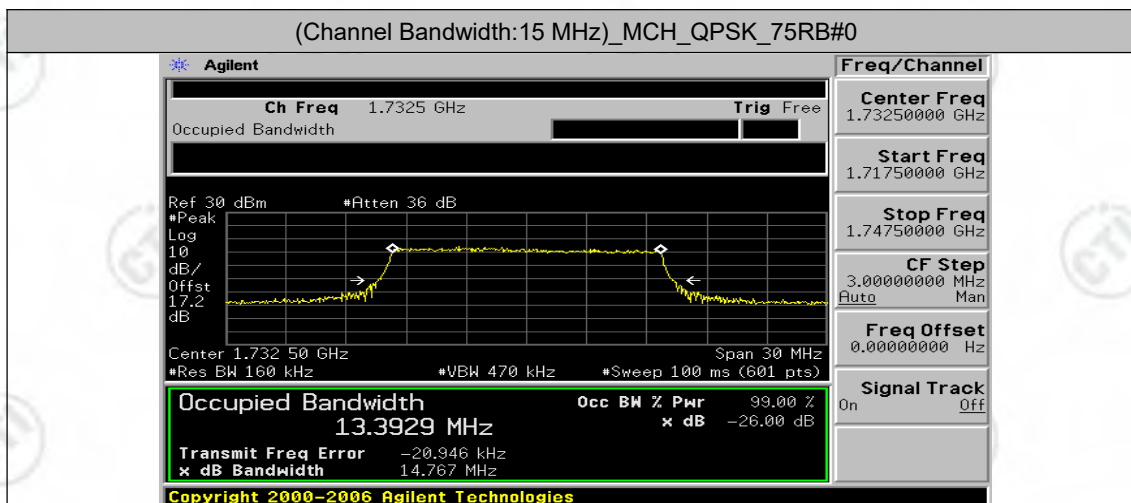
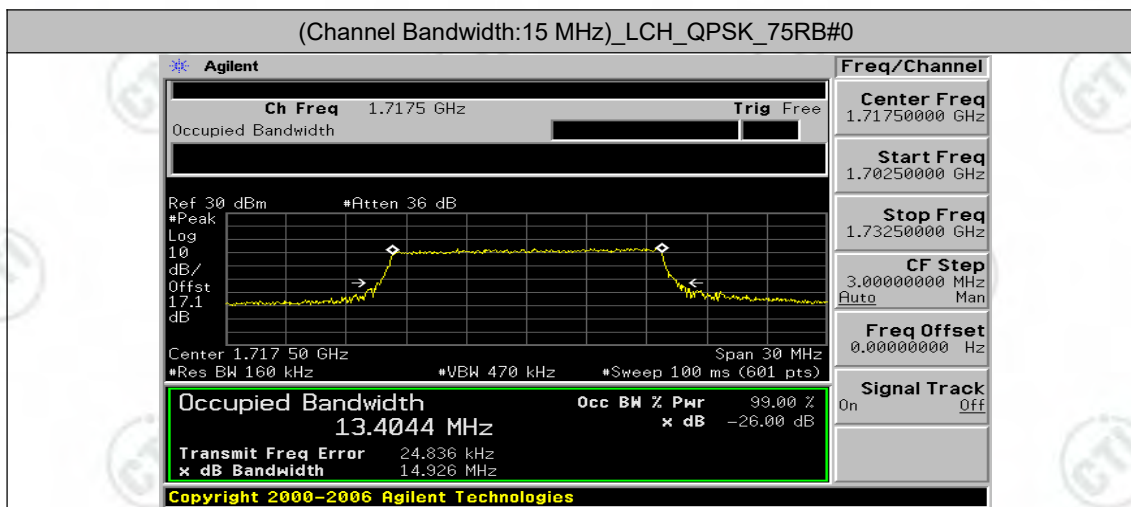


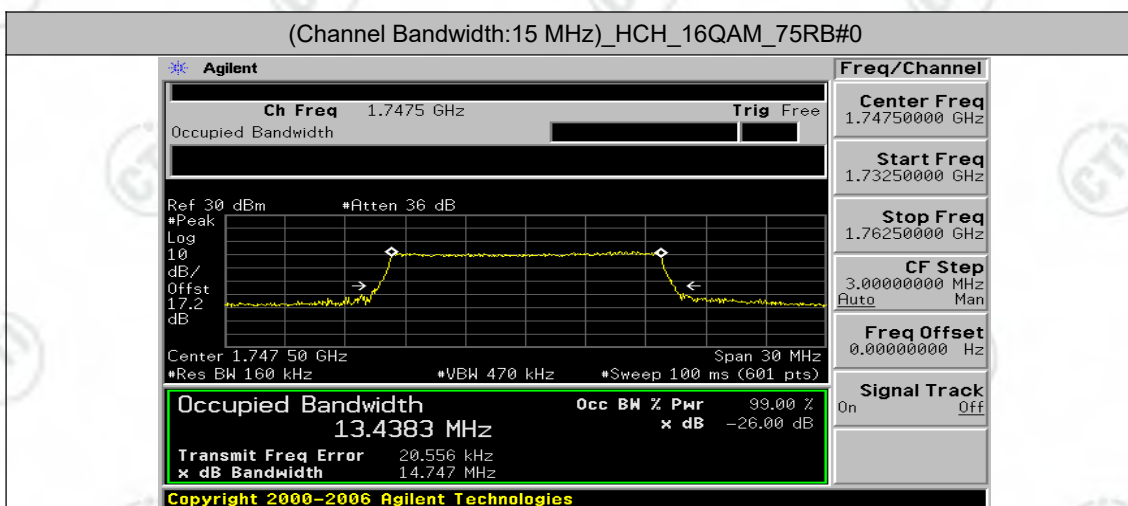
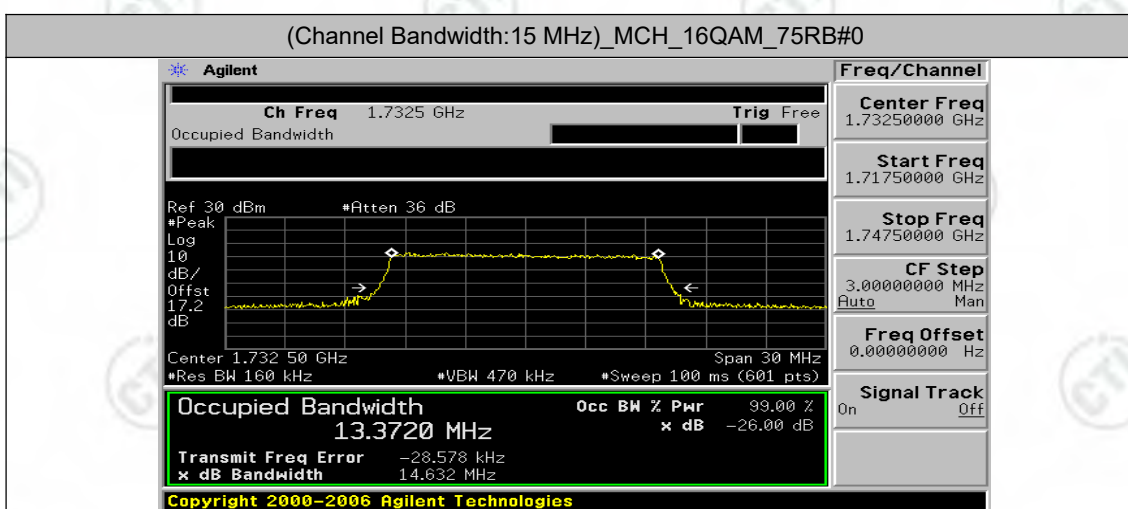
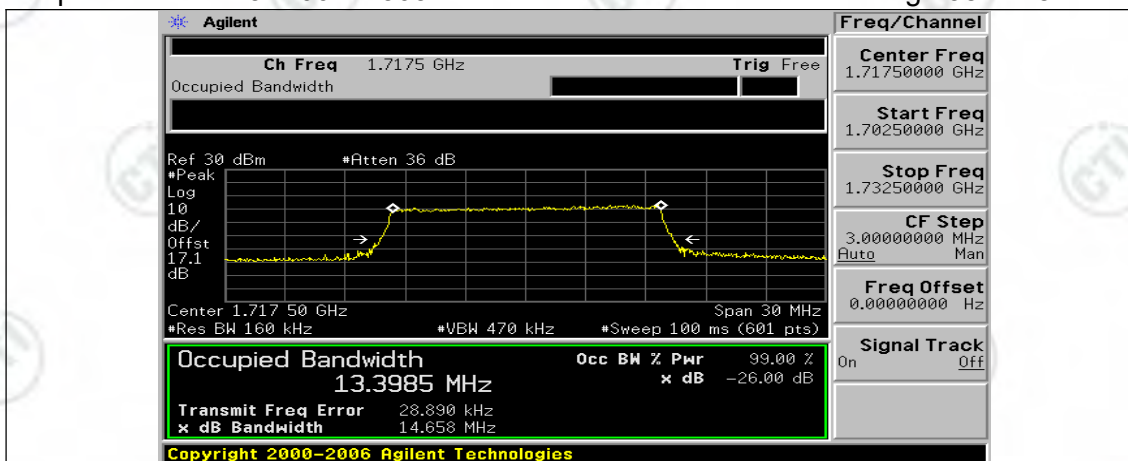


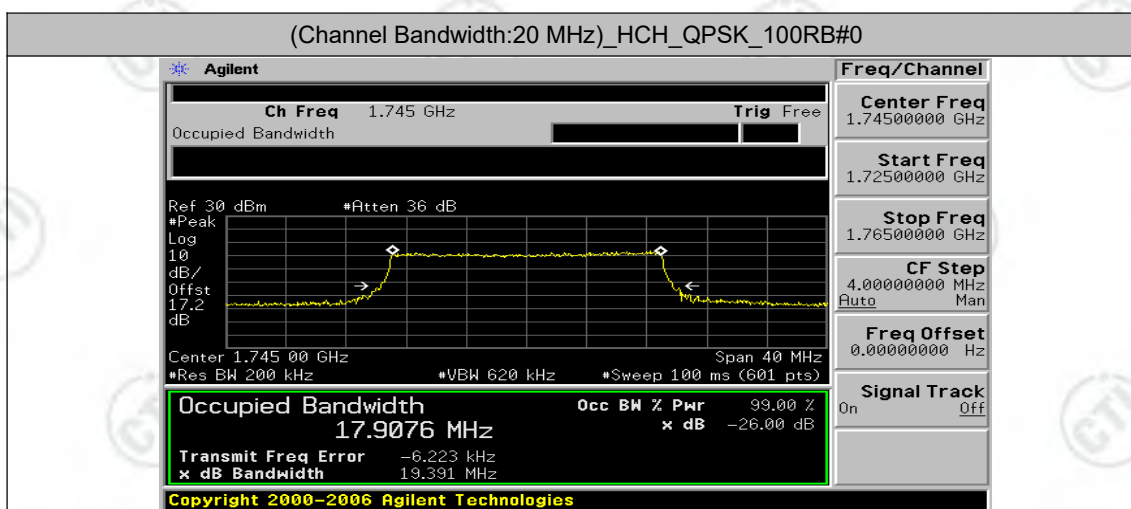
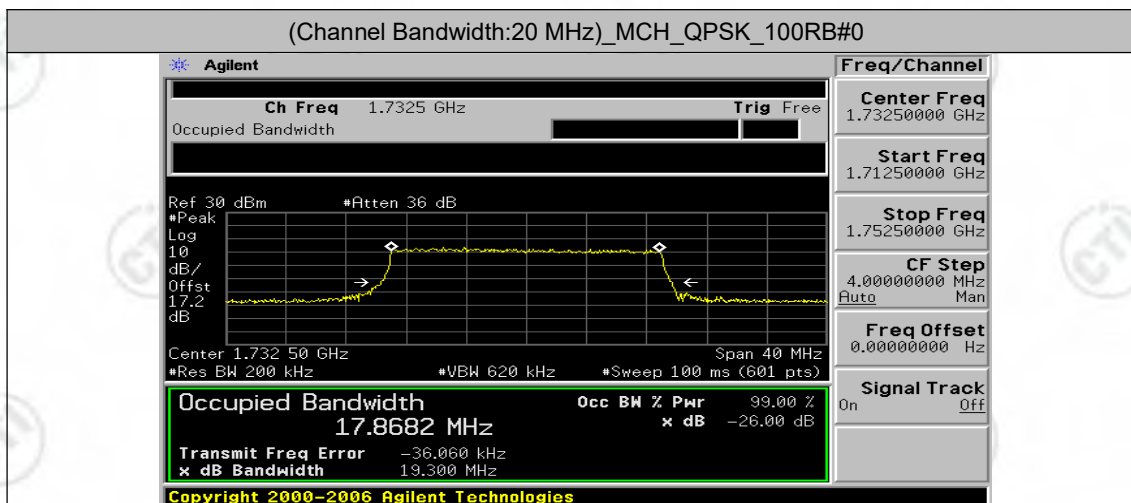
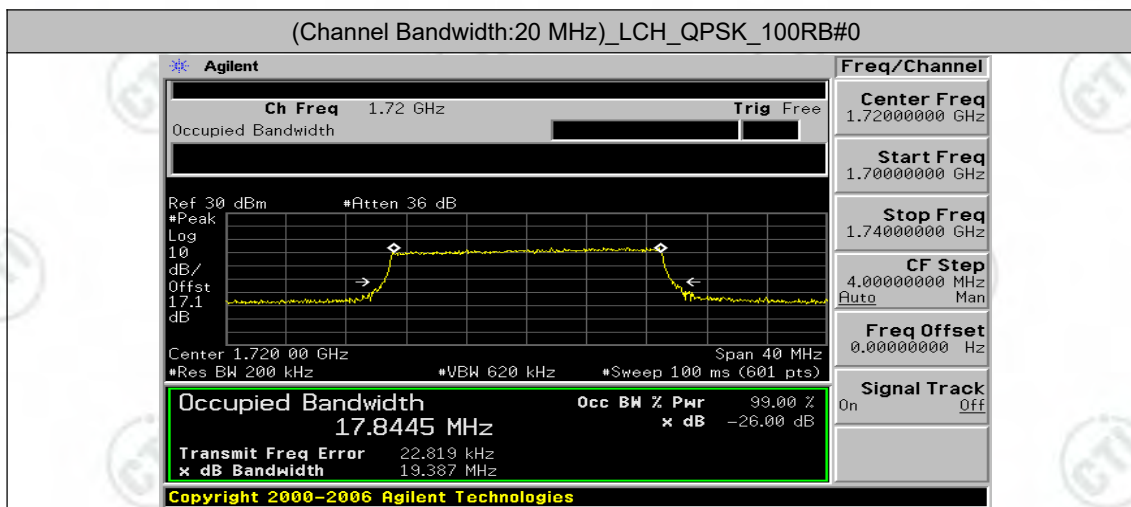


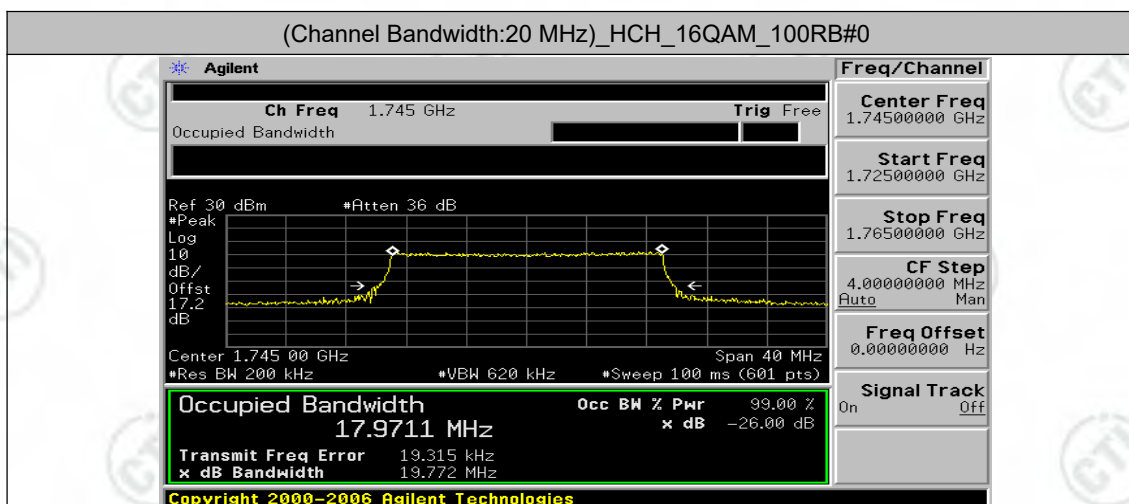
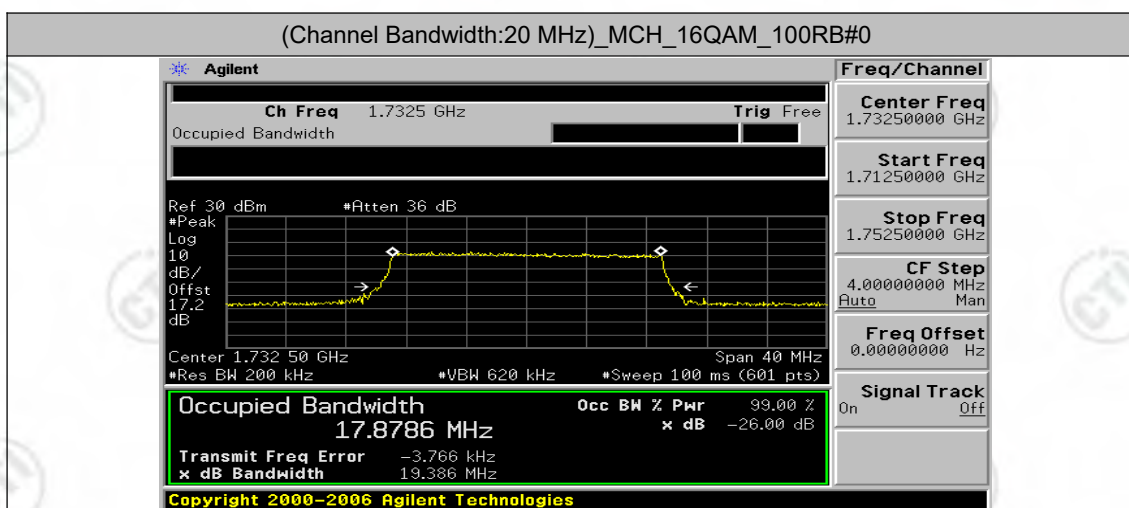
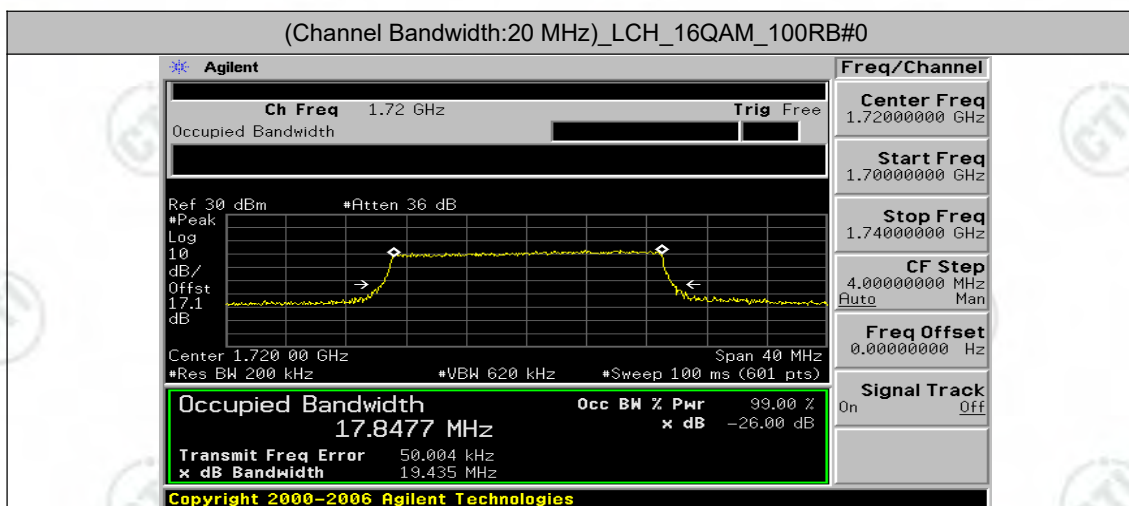








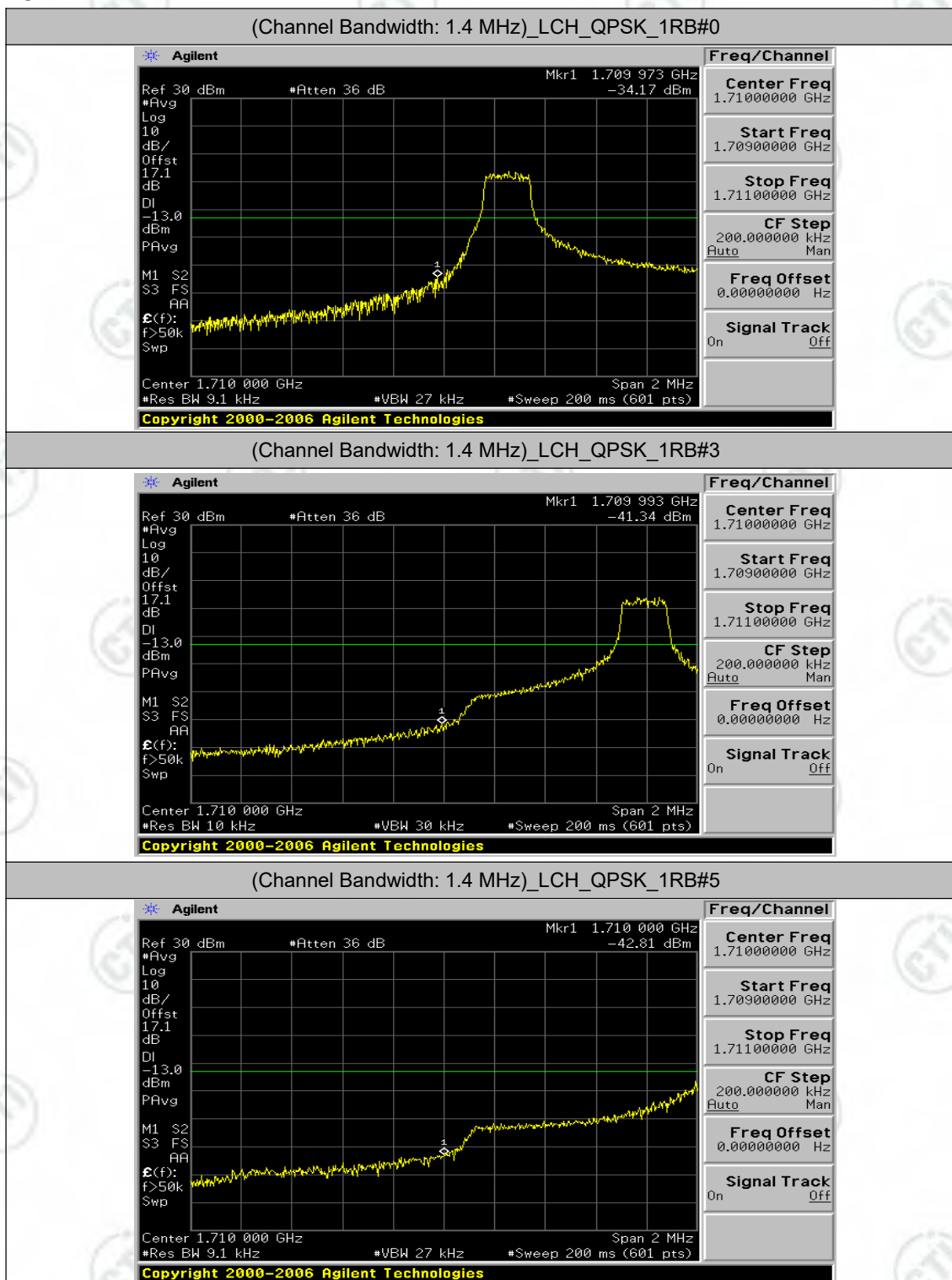




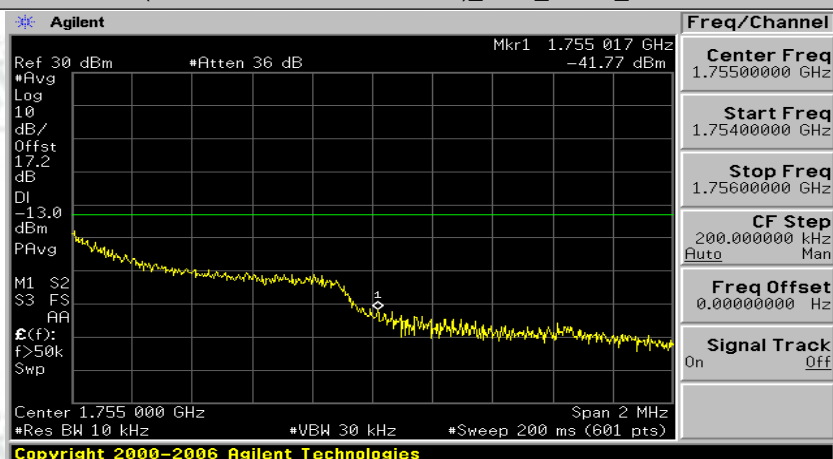
Appendix D: Band Edge

Test Graphs

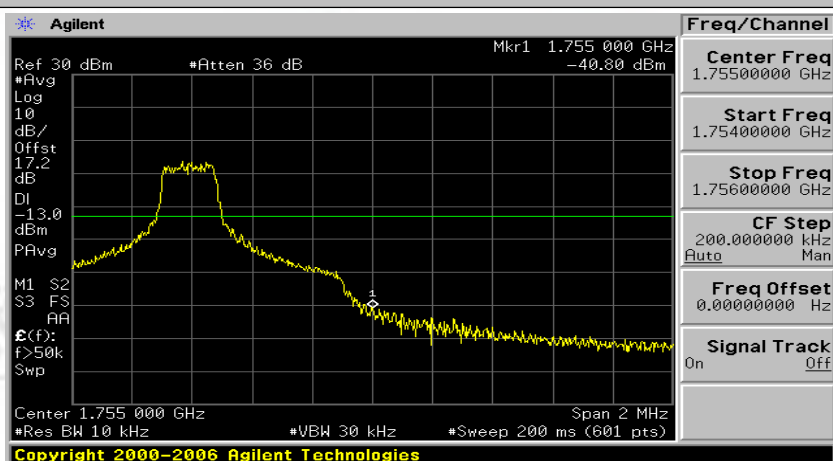
Channel Bandwidth: 1.4 MHz



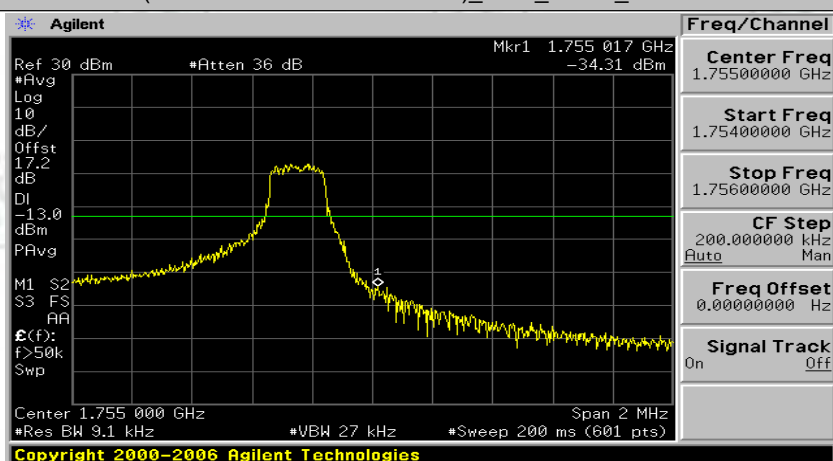
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0



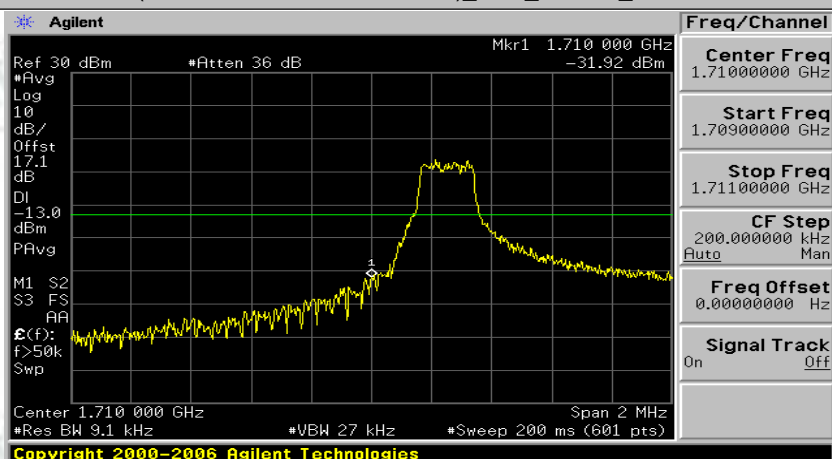
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3



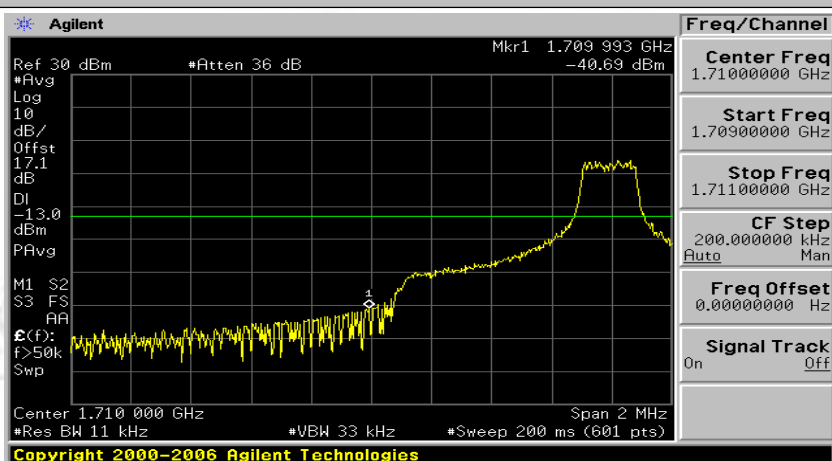
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5



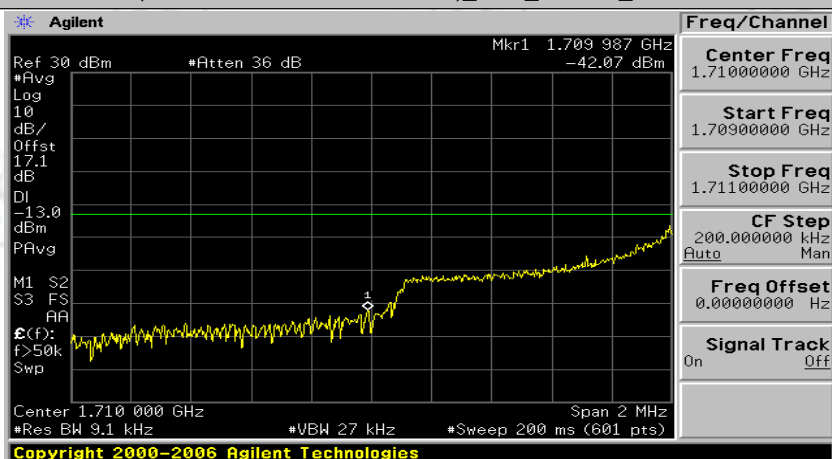
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0



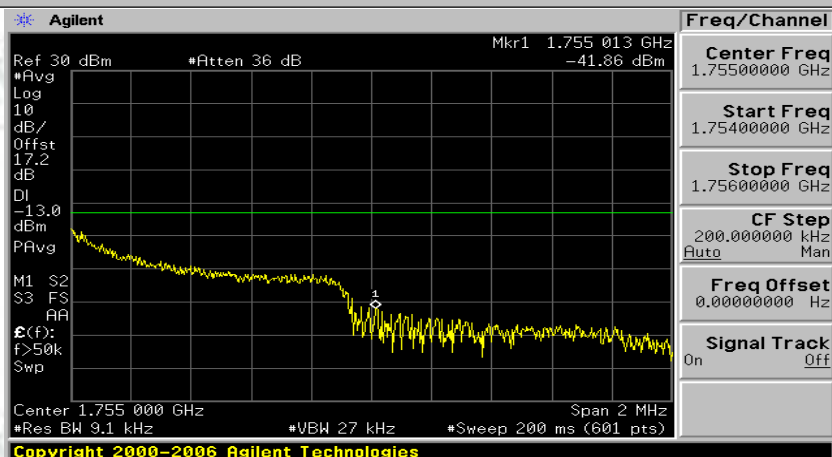
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3



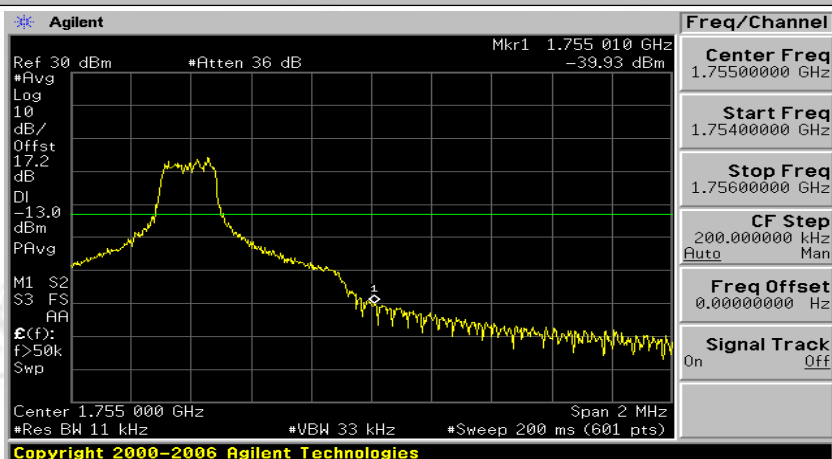
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5



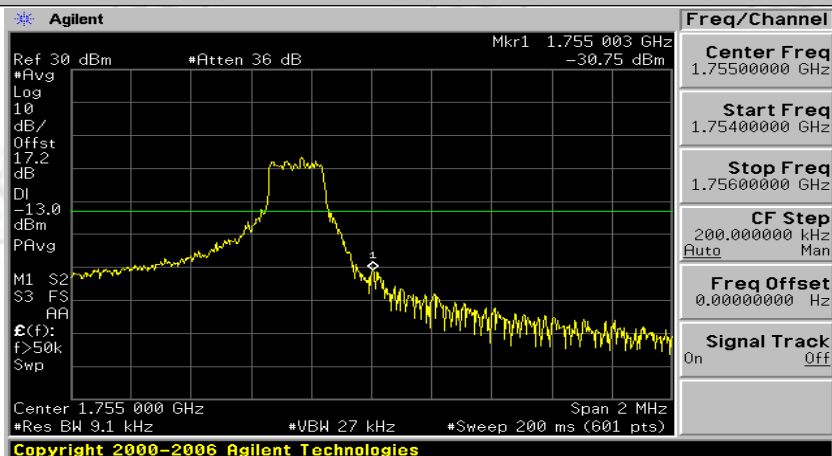
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0



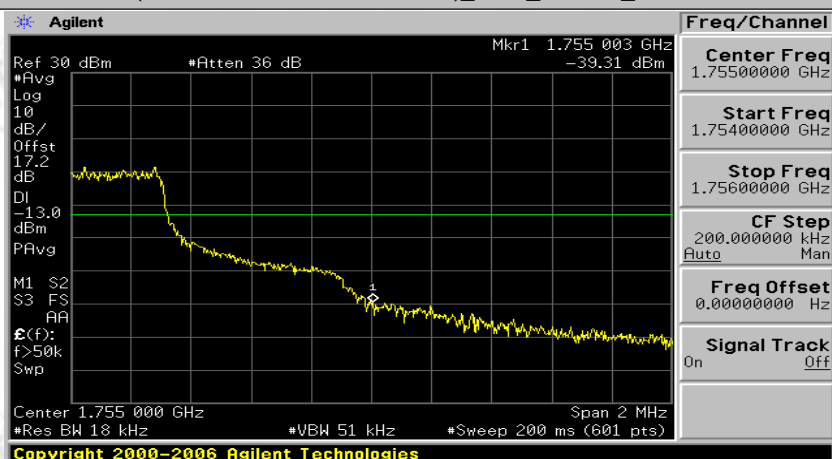
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#3



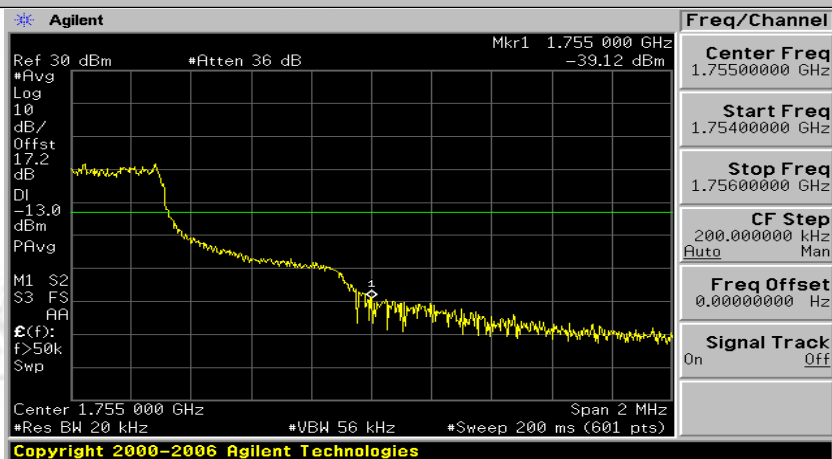
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#5



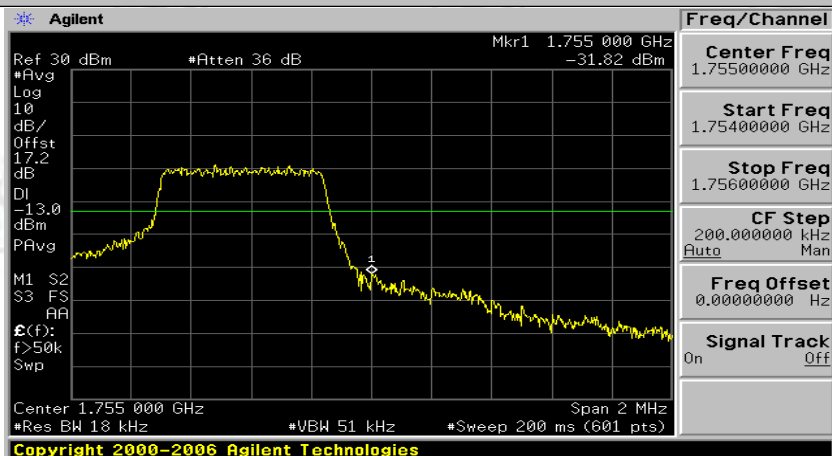
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#0

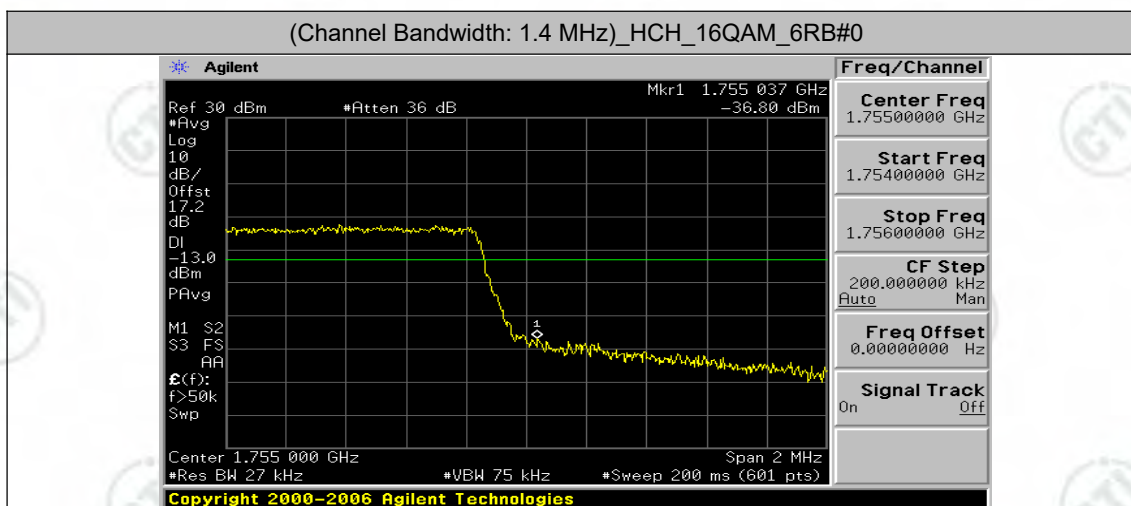


(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#2

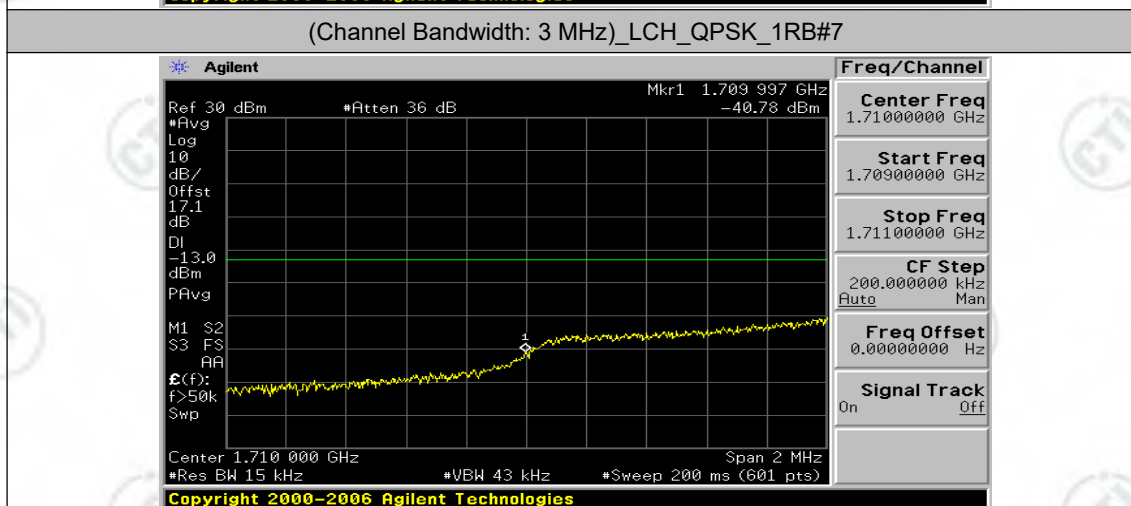
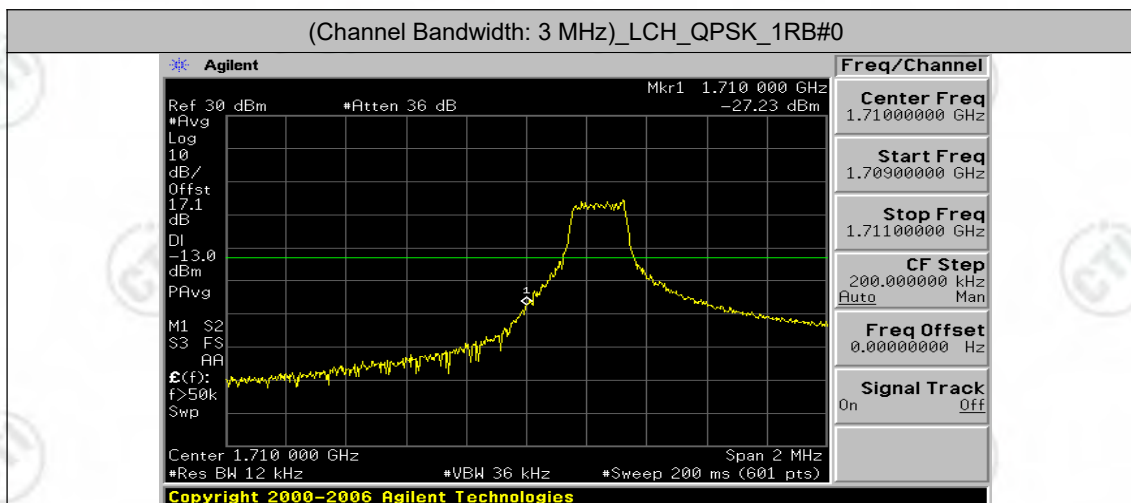


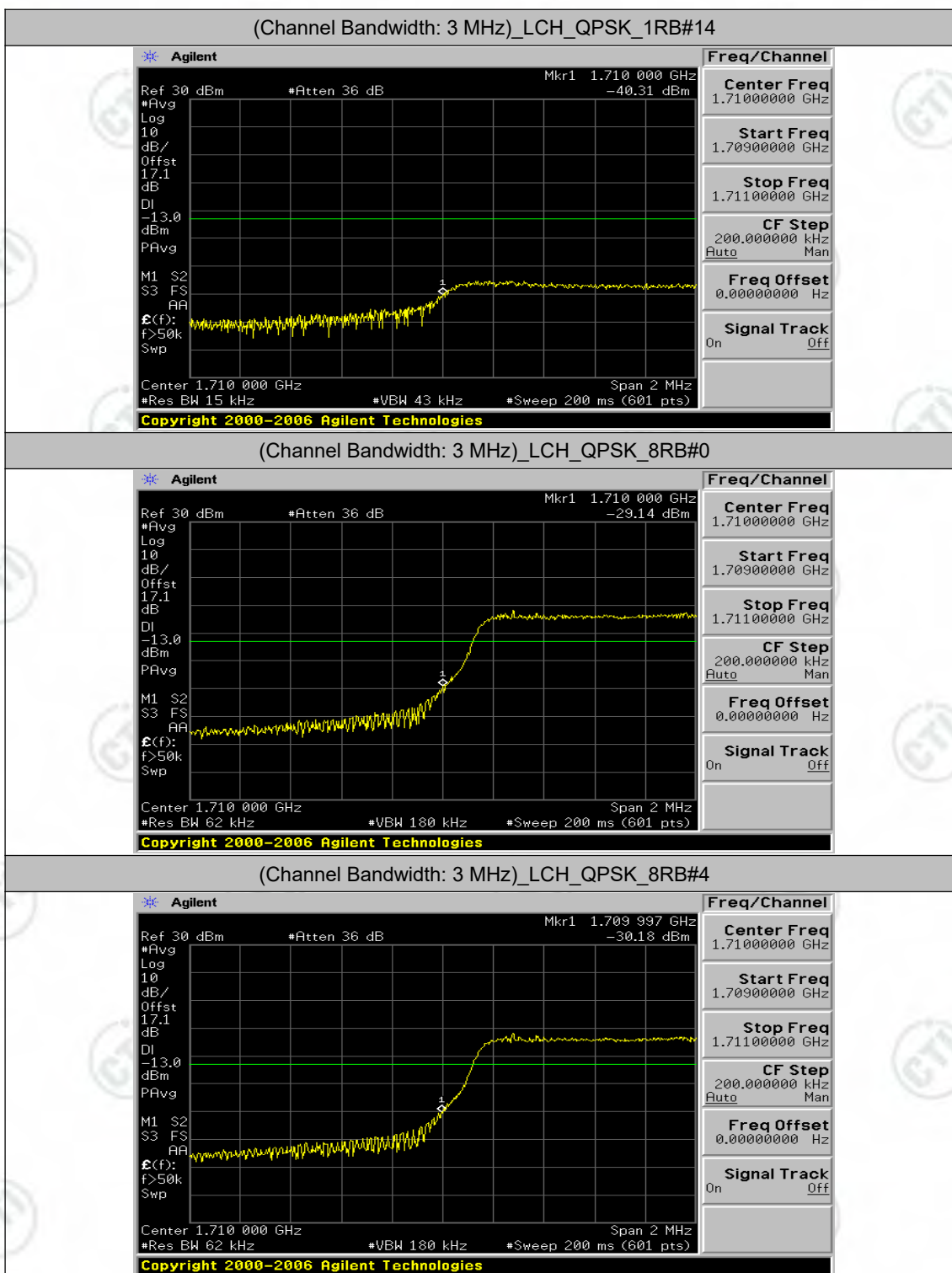
(Channel Bandwidth: 1.4 MHz)_HCH_16QAM_3RB#3

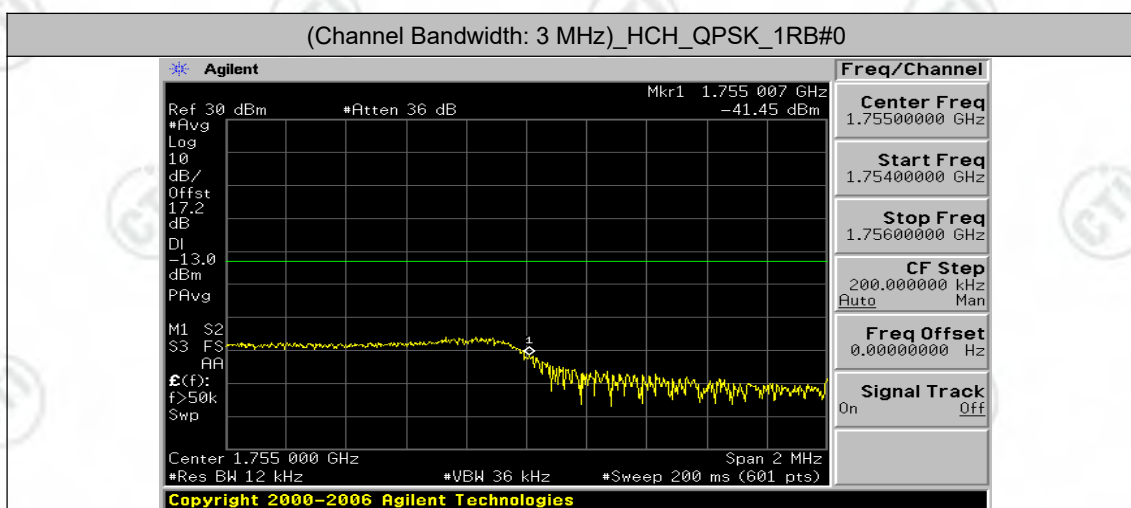
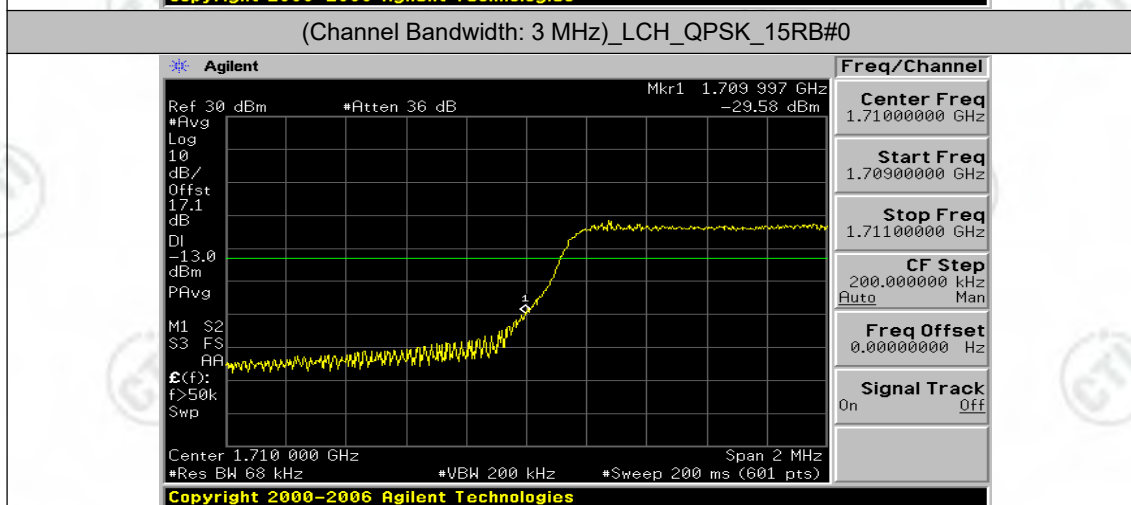
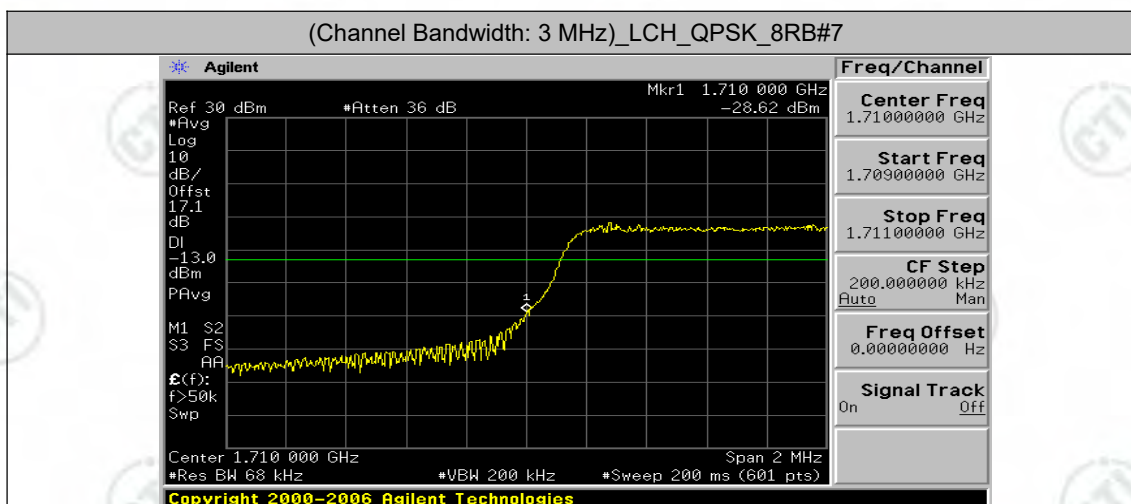




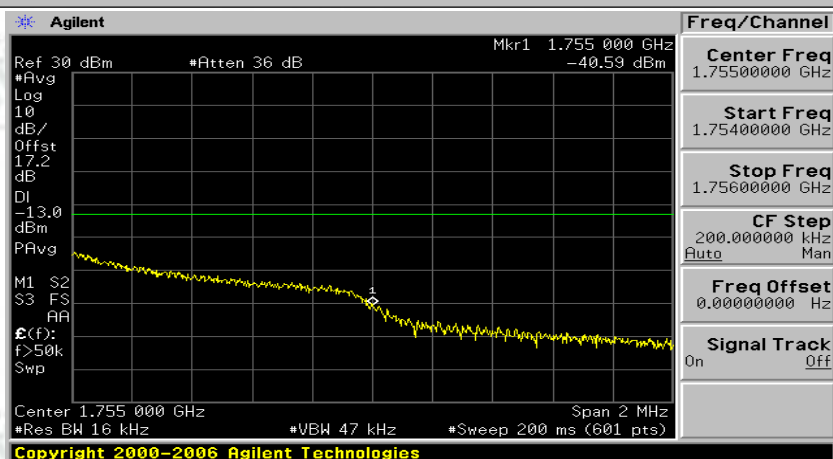
Channel Bandwidth: 3 MHz



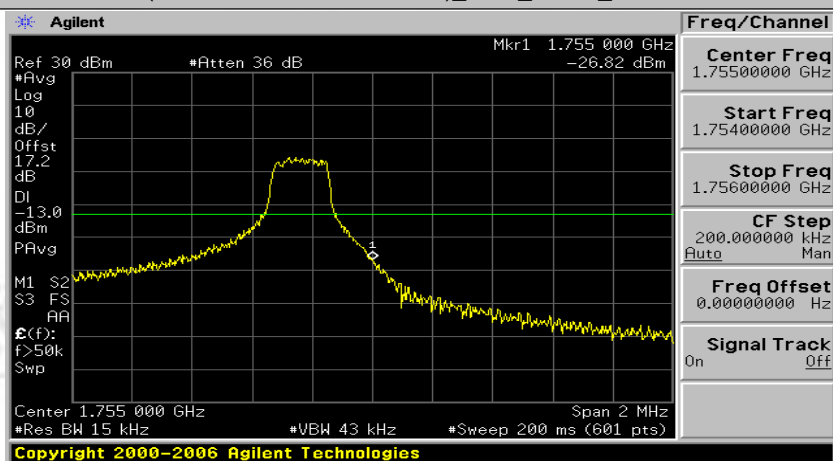




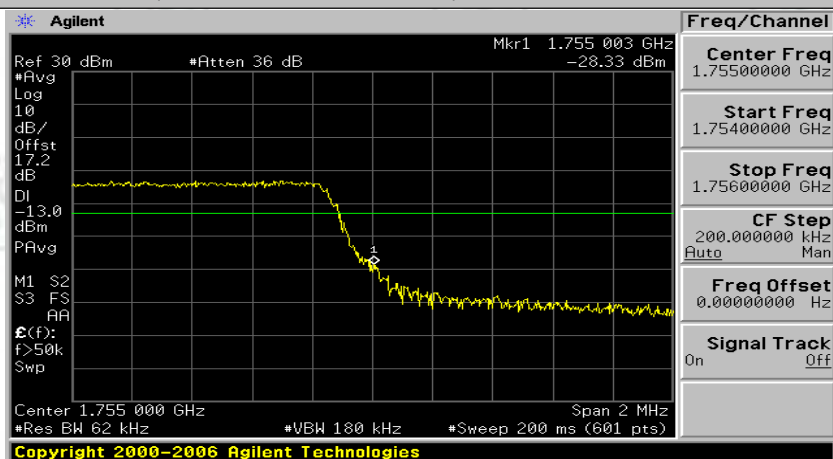
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7

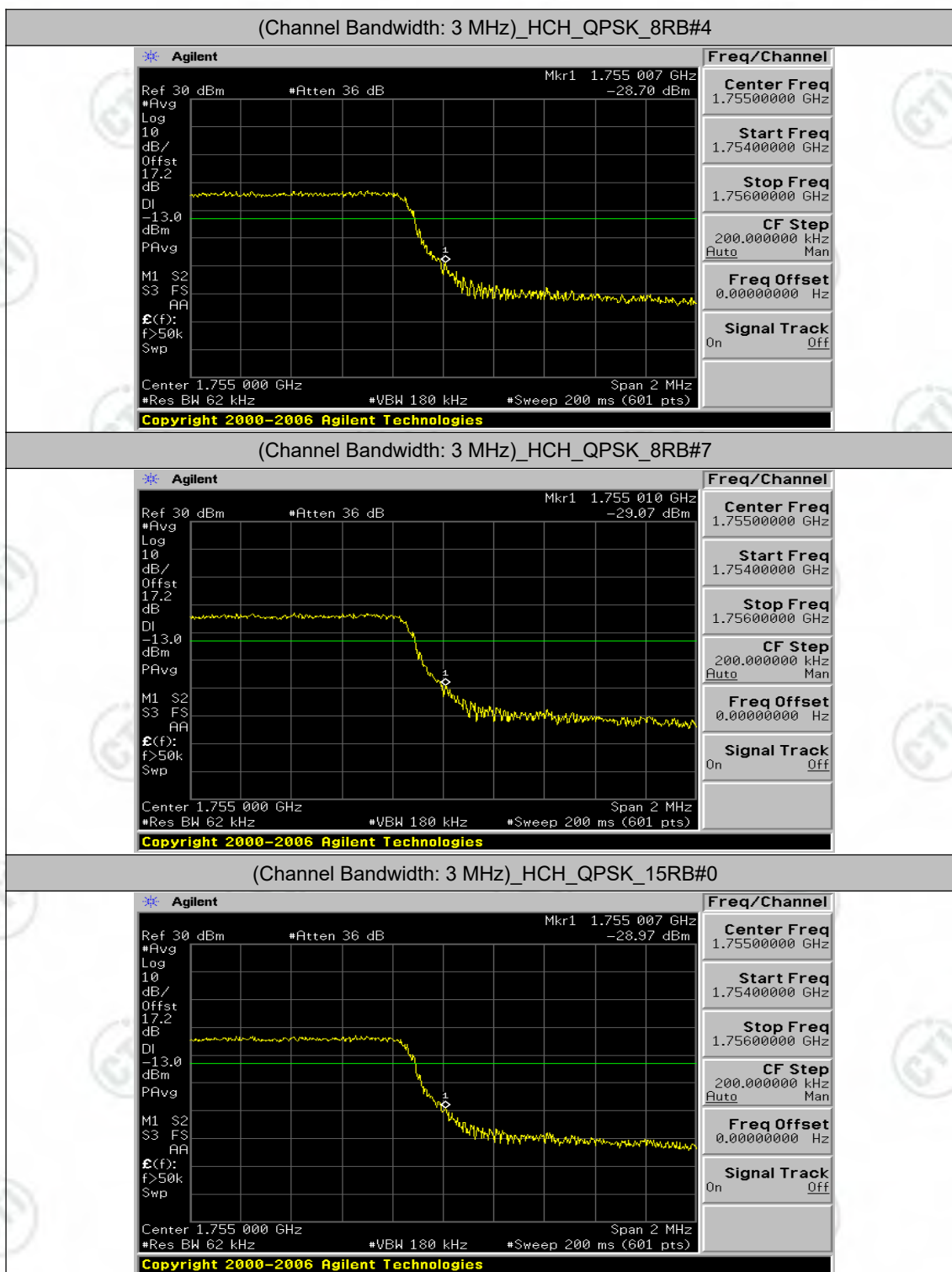


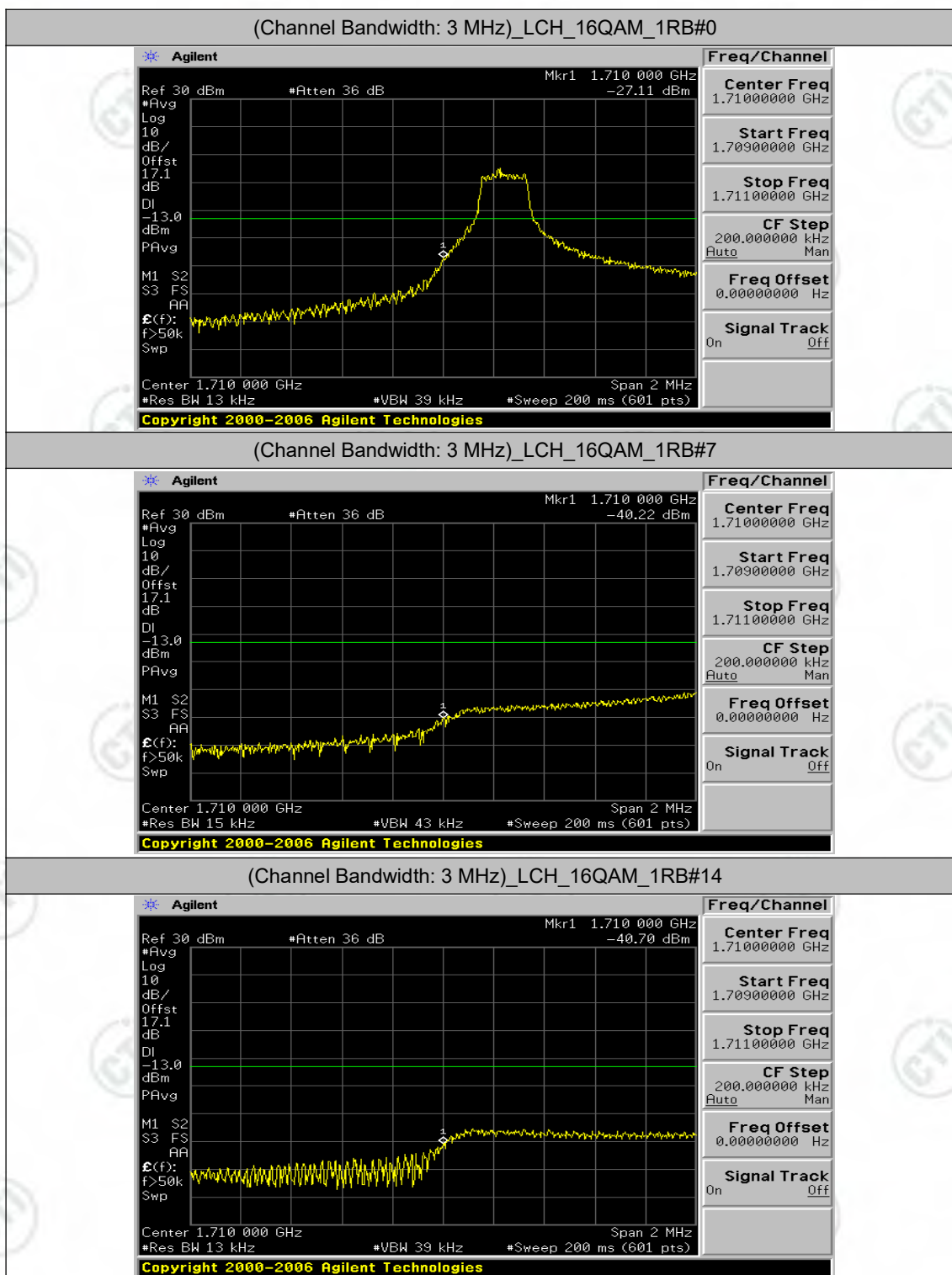
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#14

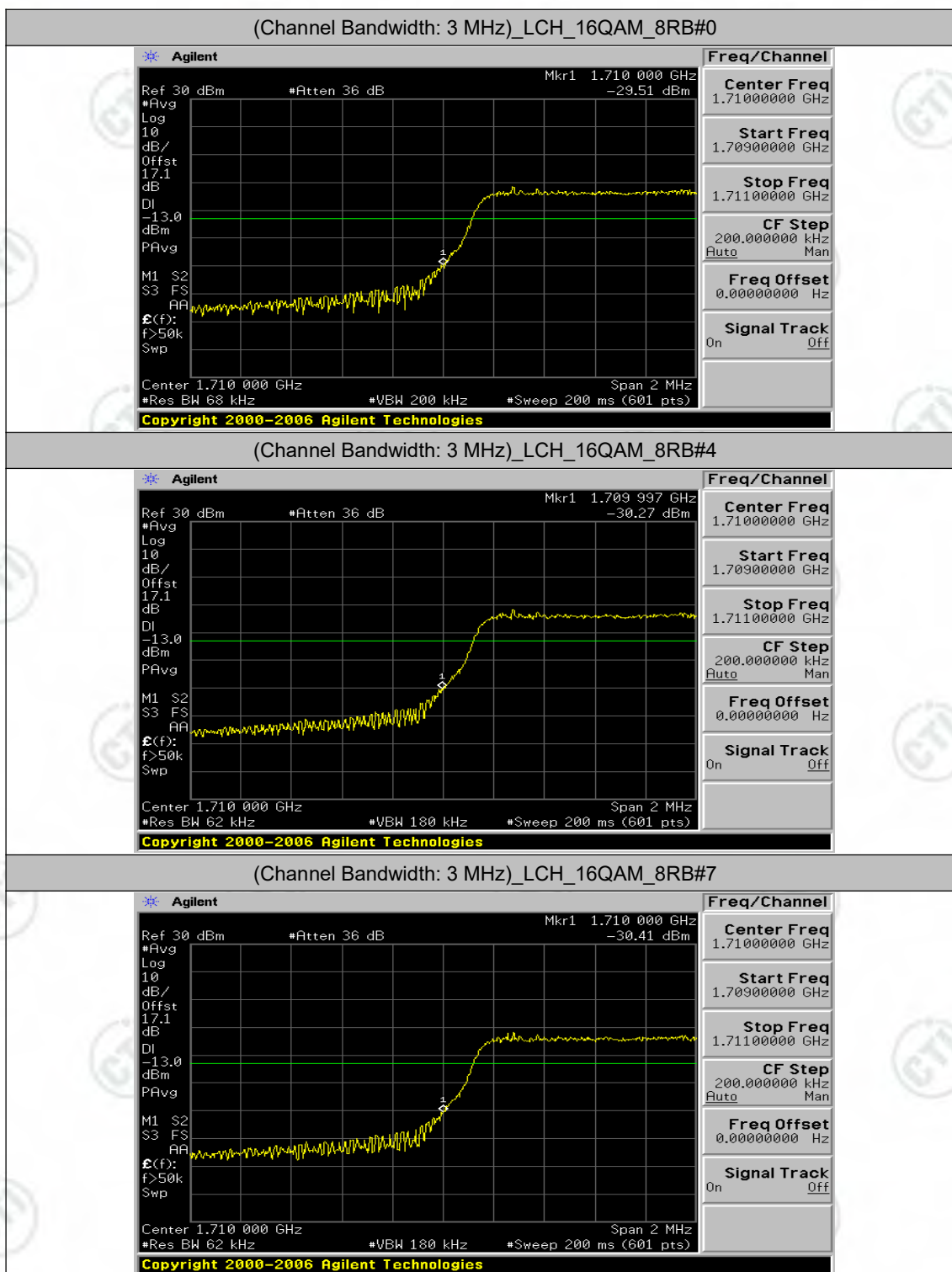


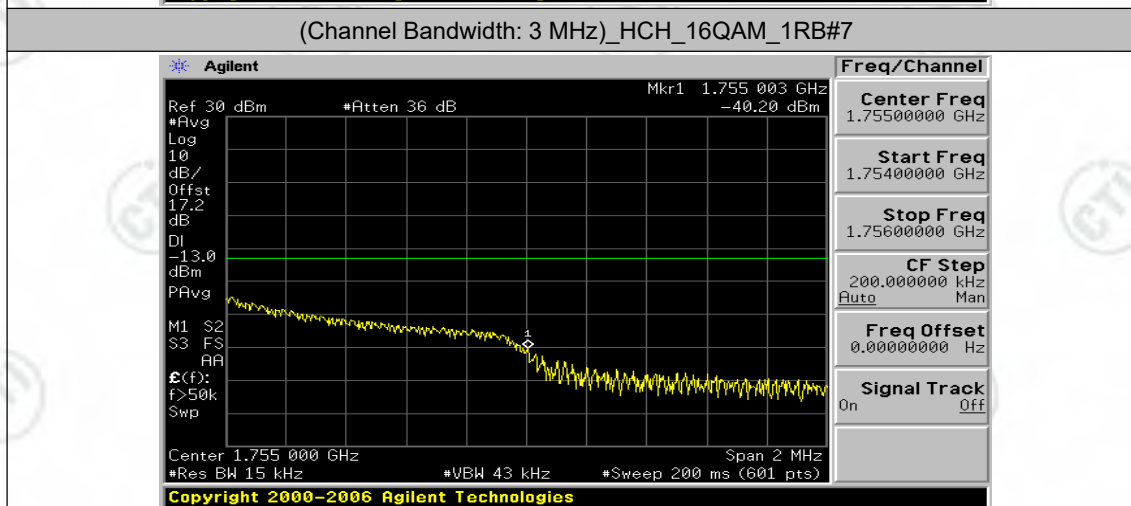
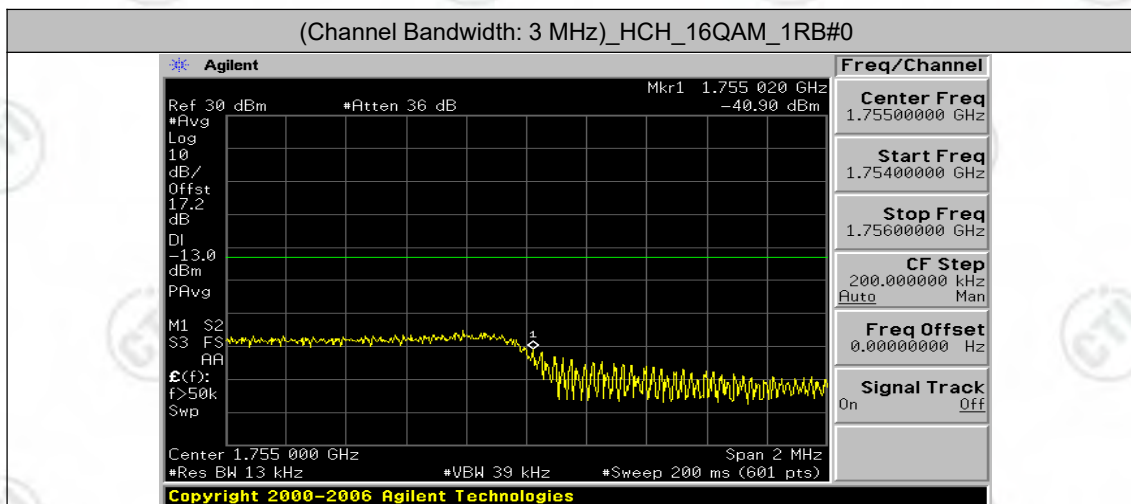
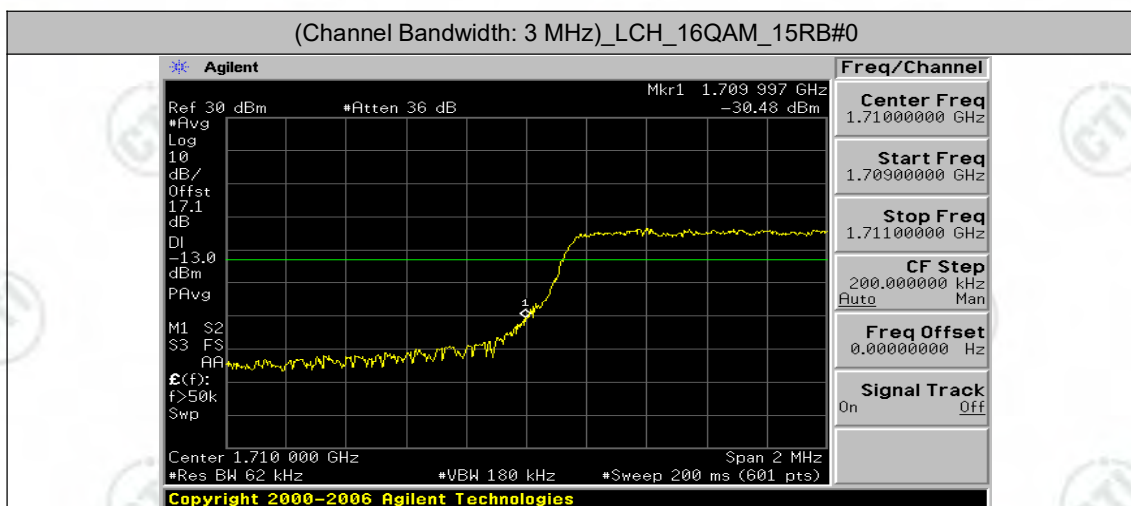
(Channel Bandwidth: 3 MHz)_HCH_QPSK_8RB#0



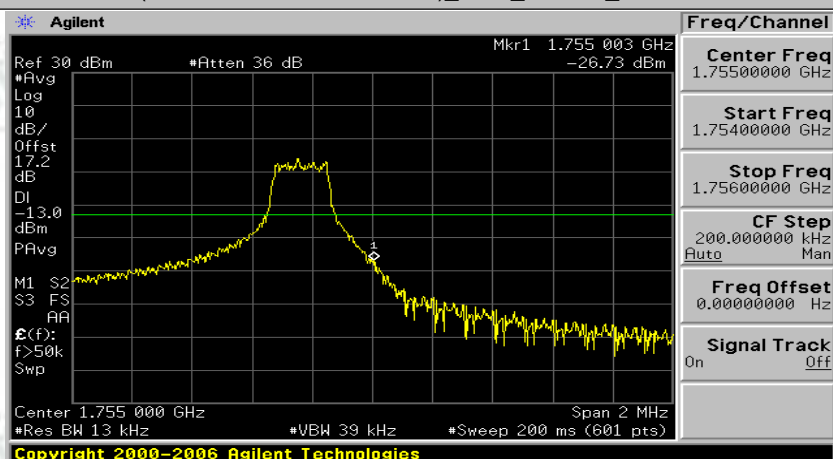




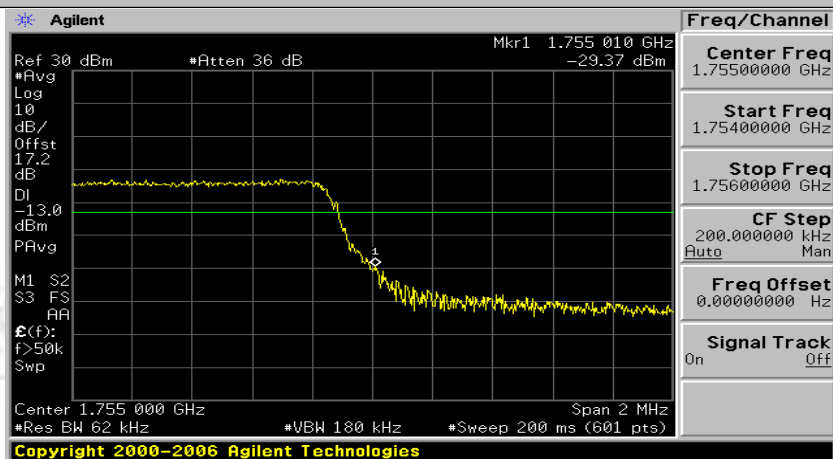




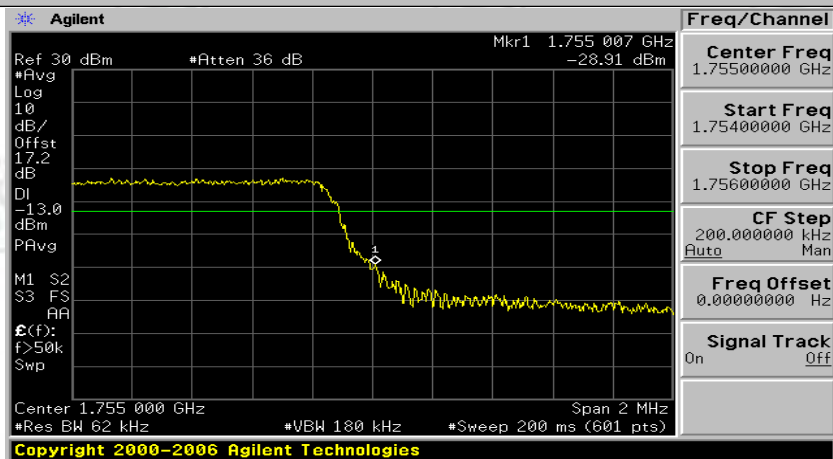
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#14

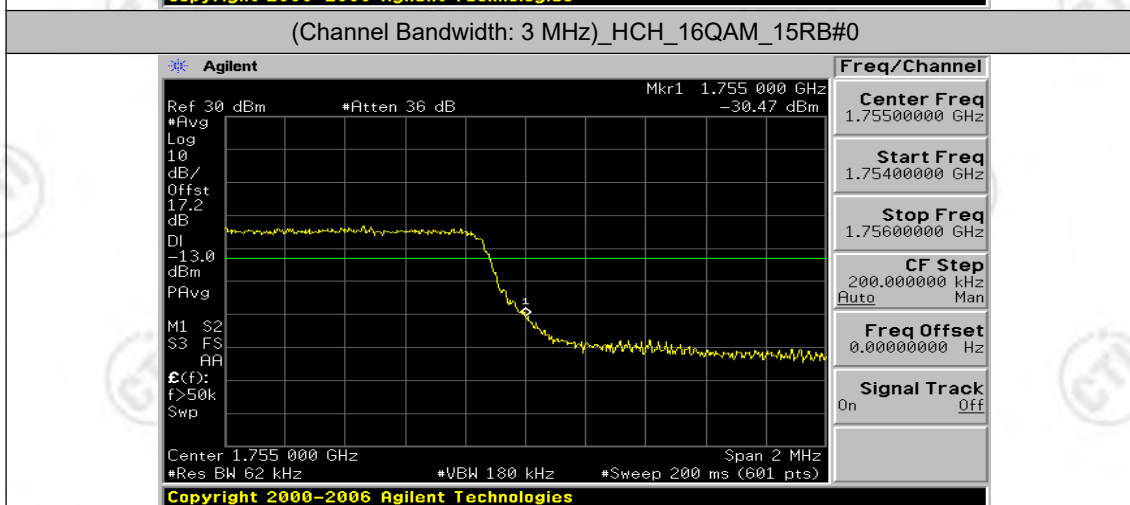
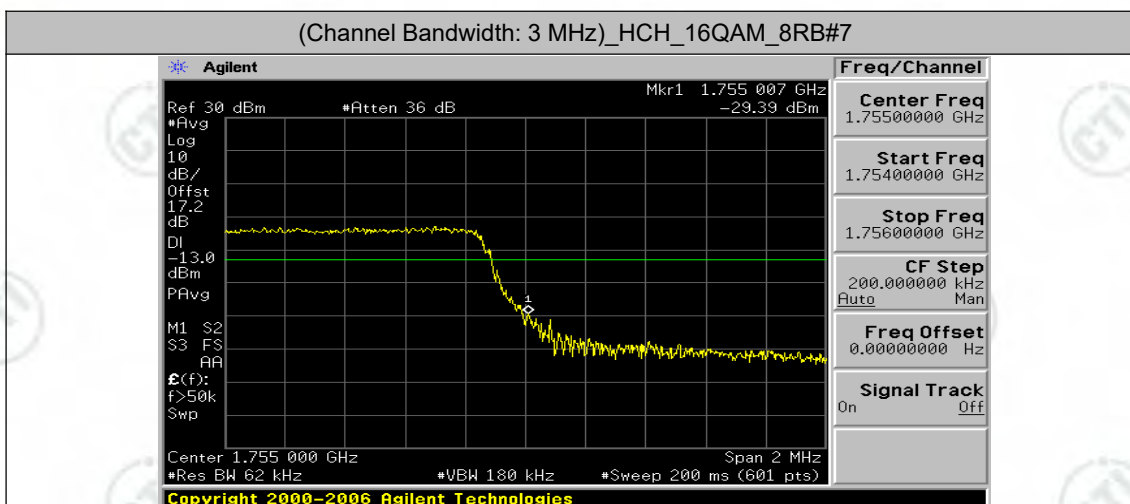


(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#0

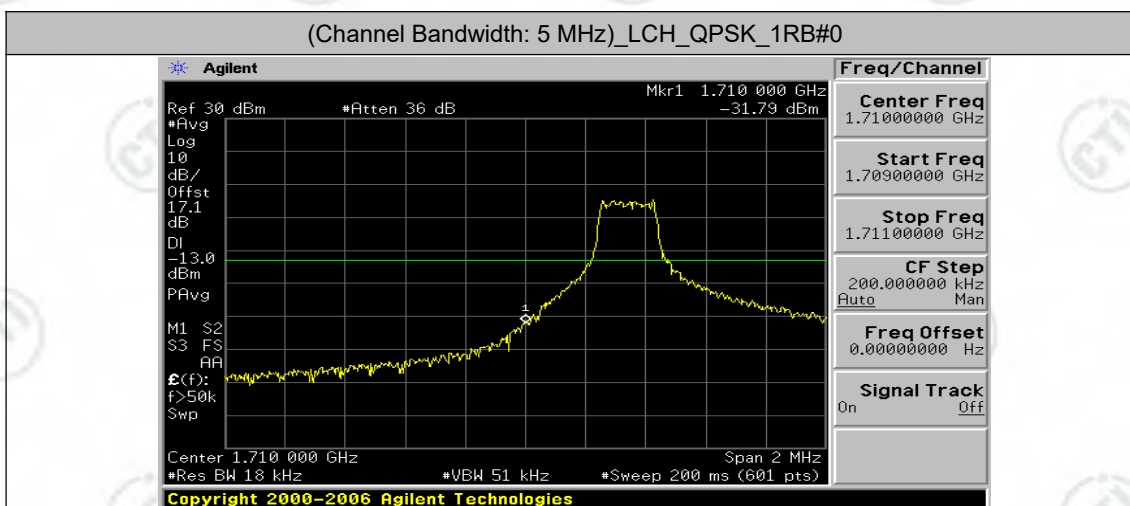


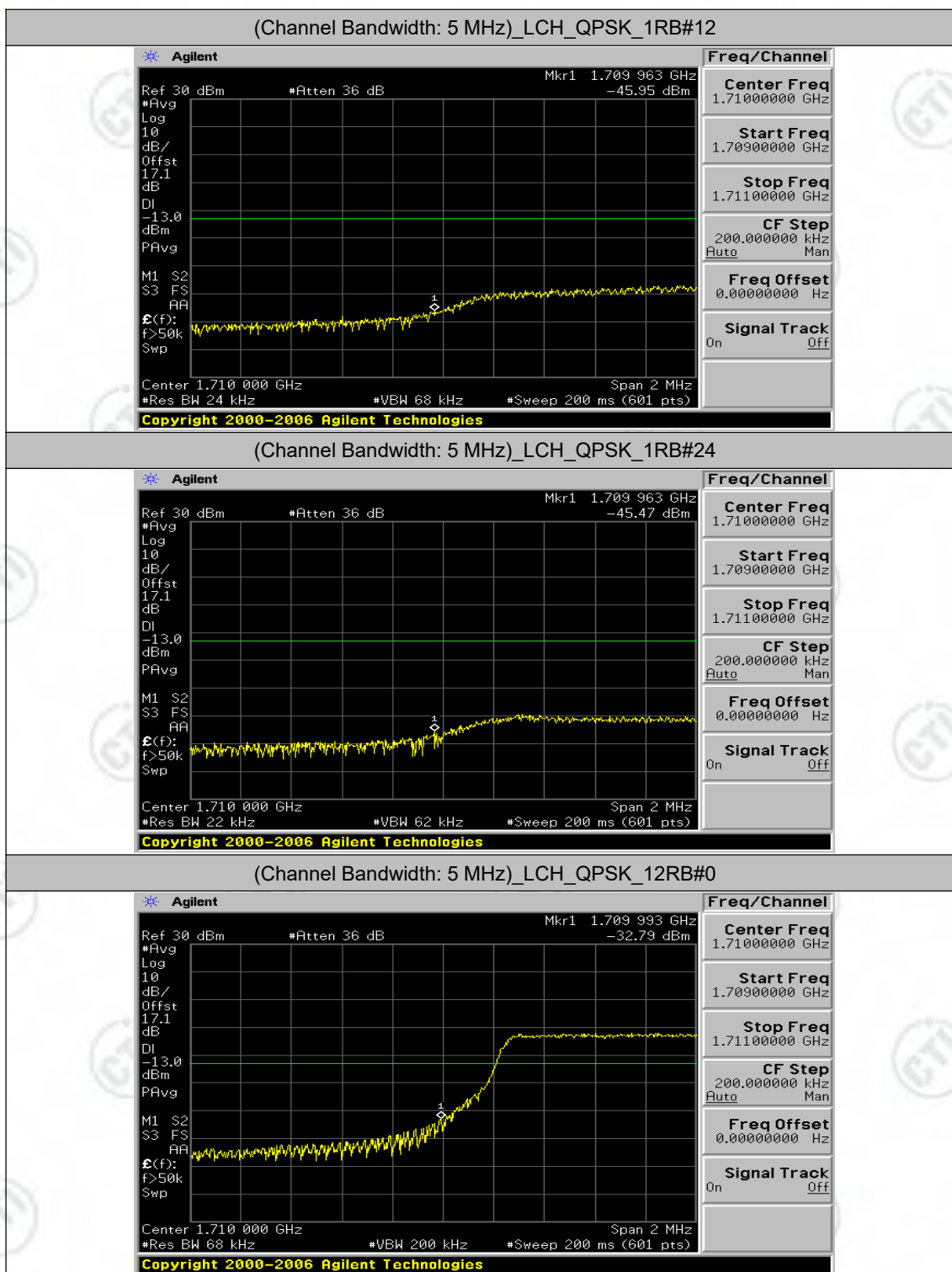
(Channel Bandwidth: 3 MHz)_HCH_16QAM_8RB#4

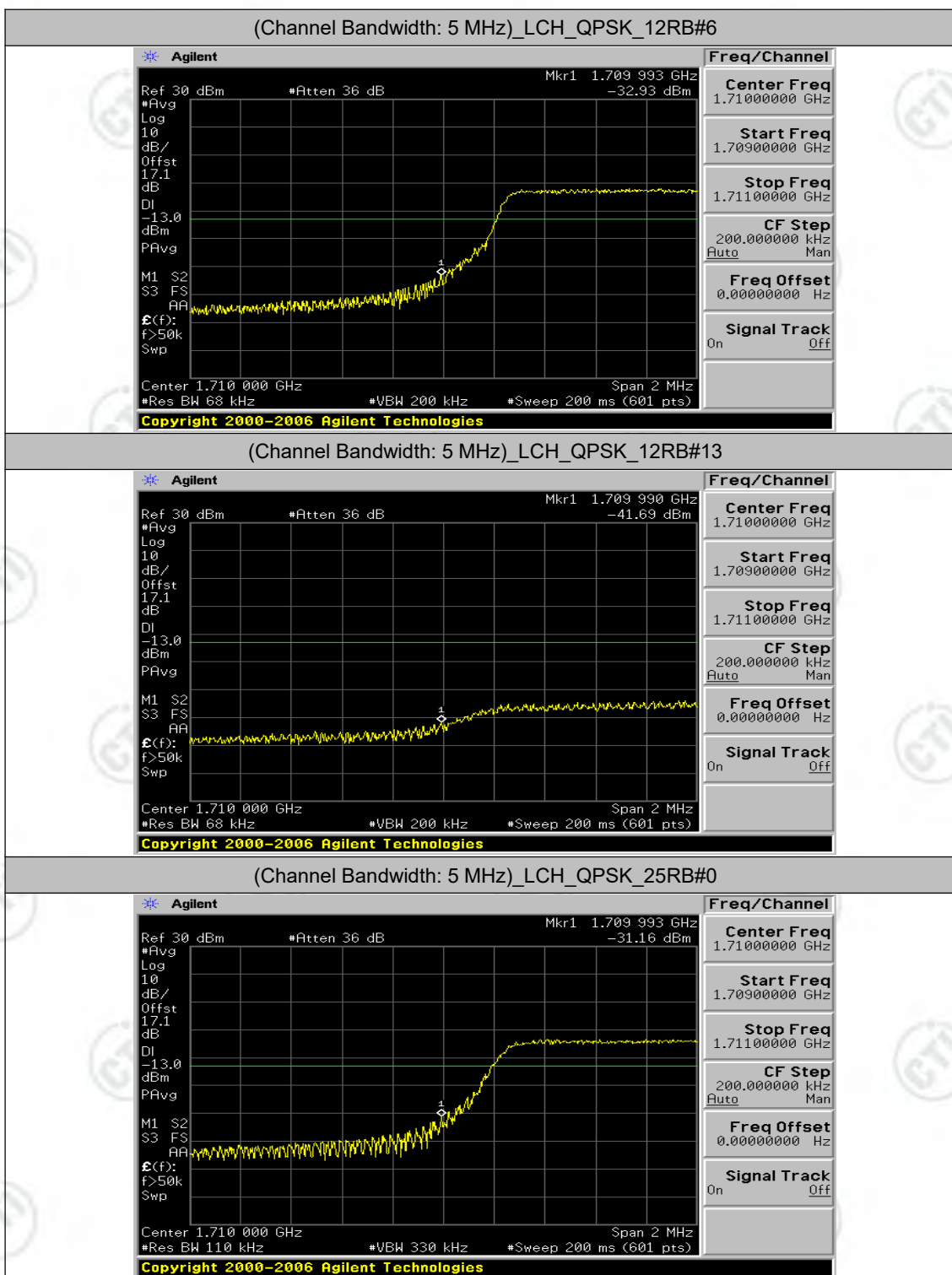


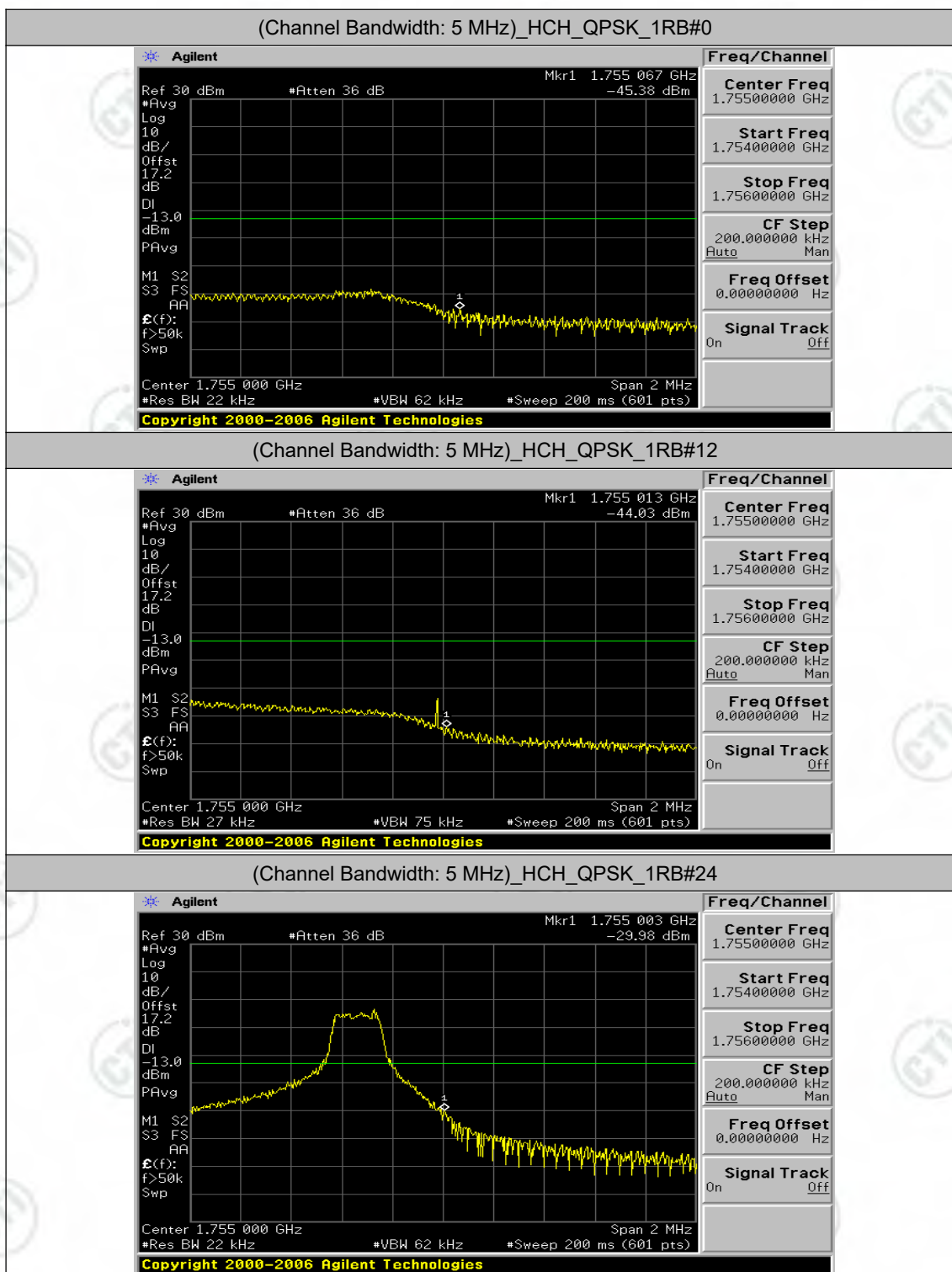


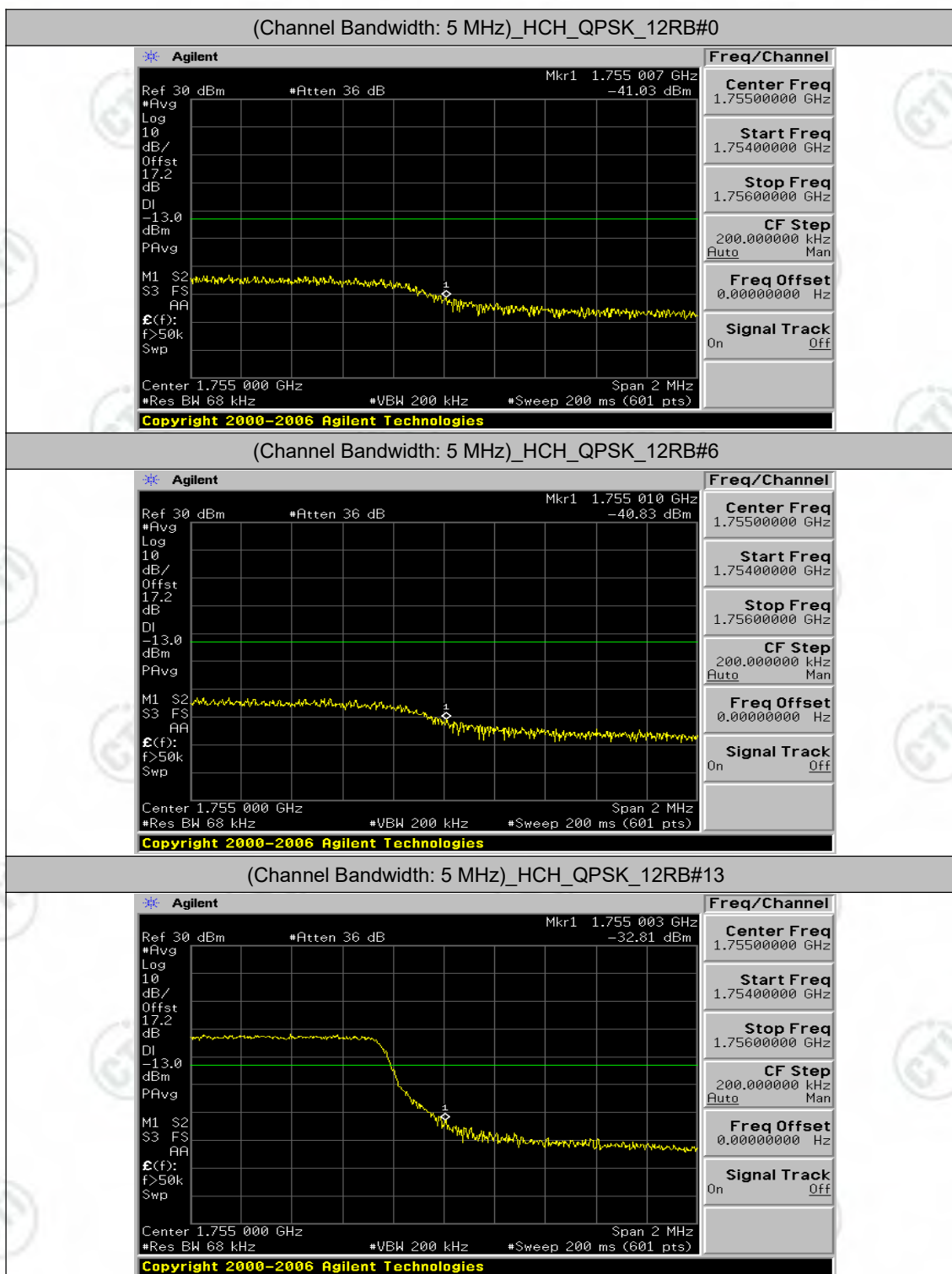
Channel Bandwidth: 5 MHz

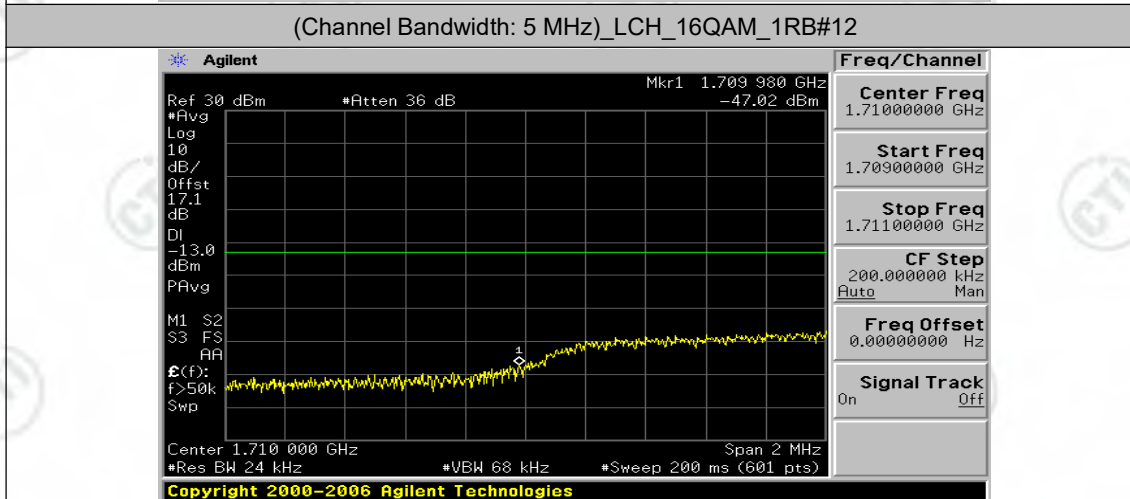
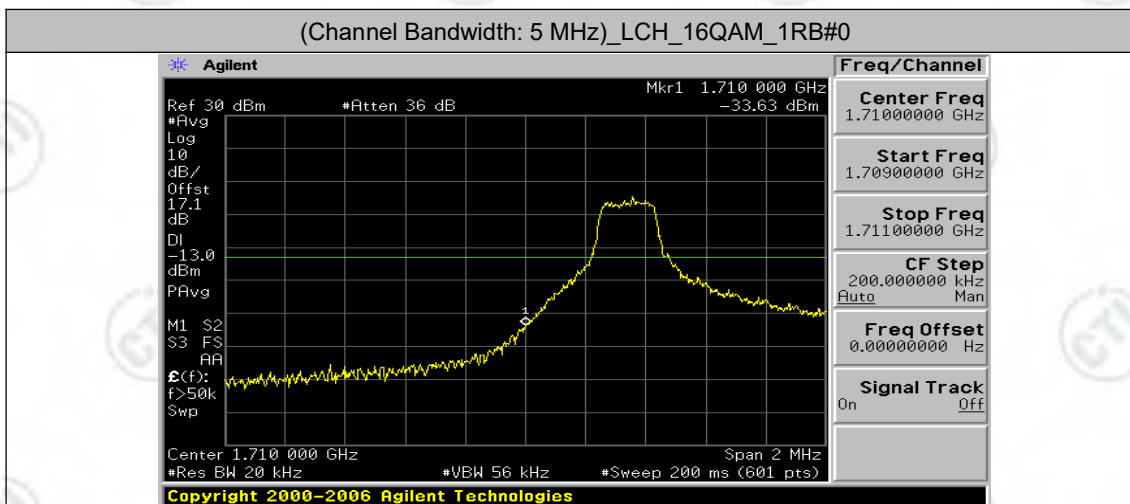
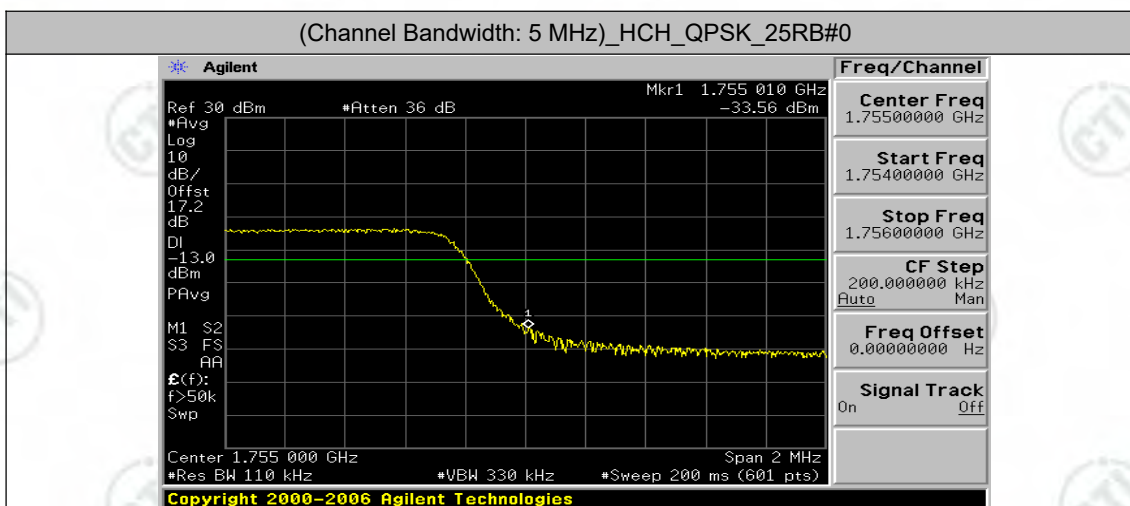


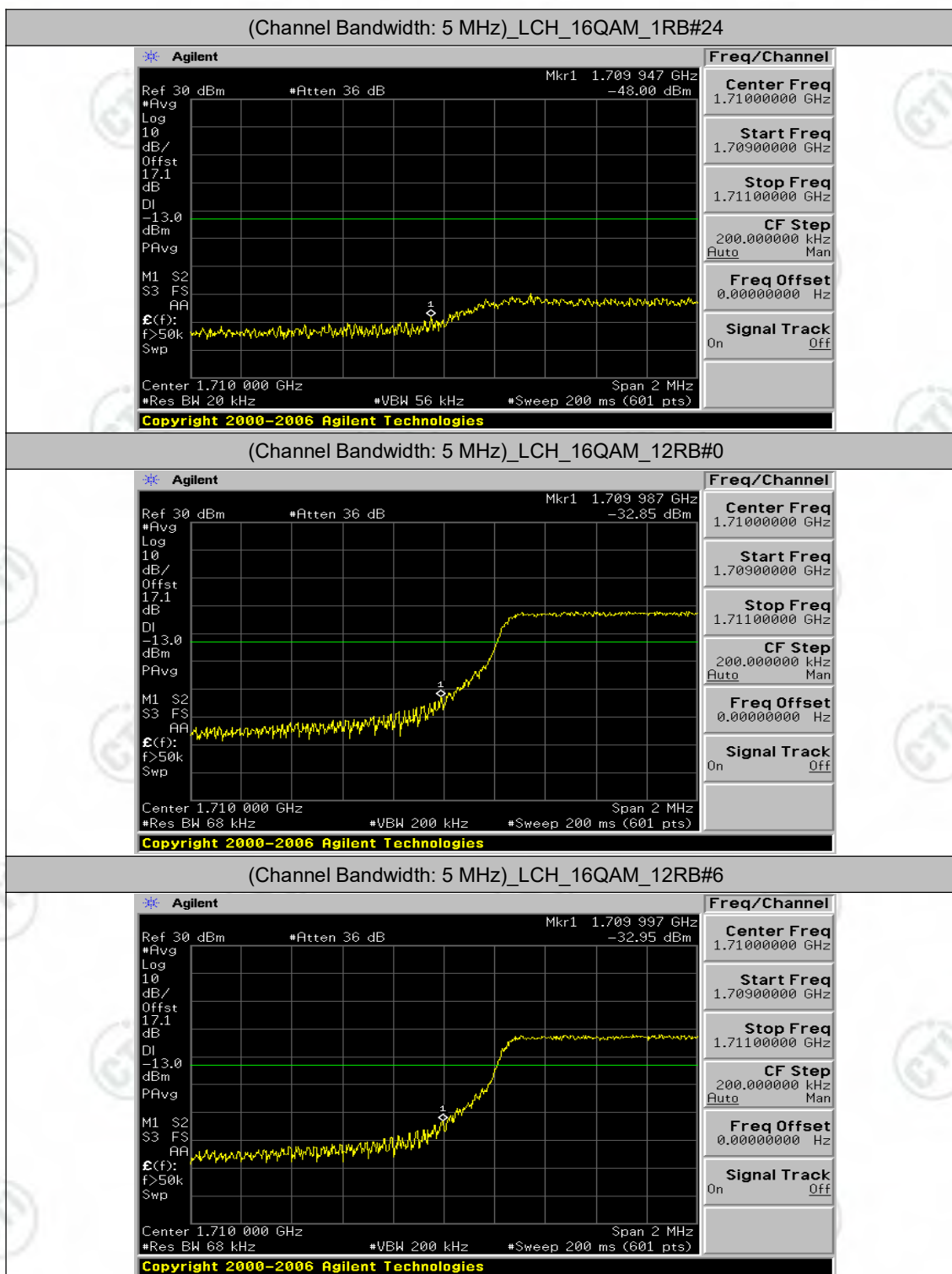




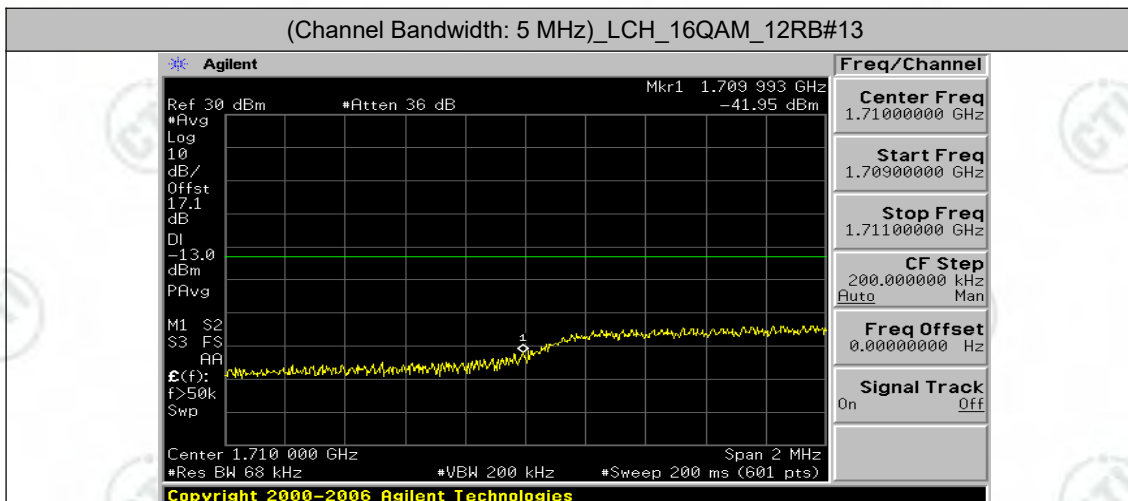




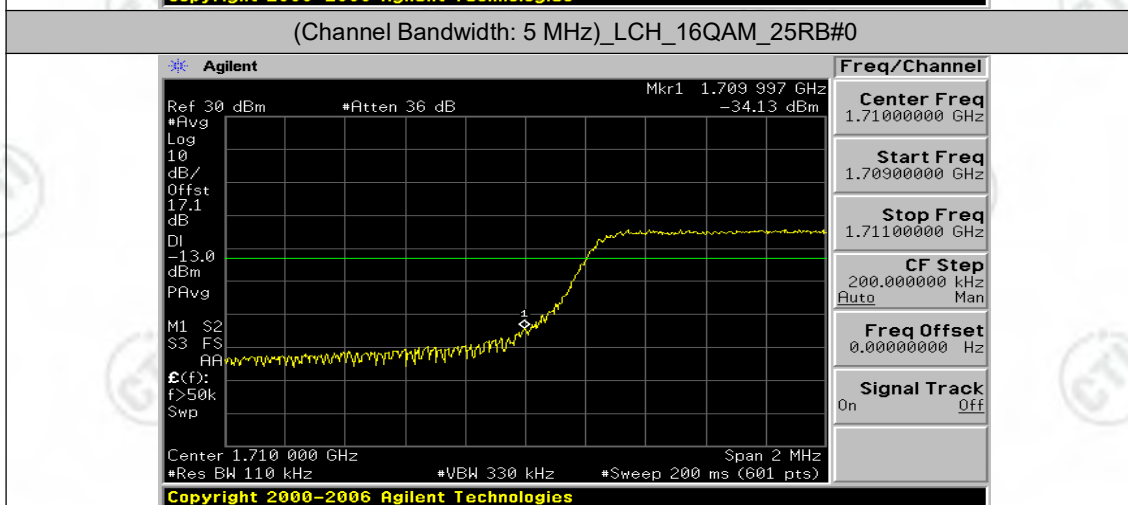




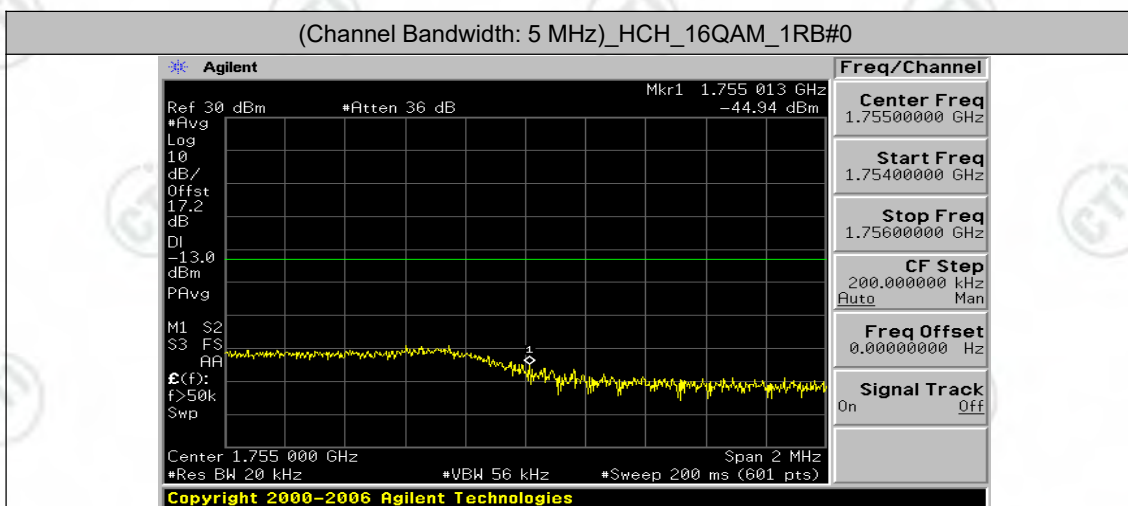
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13



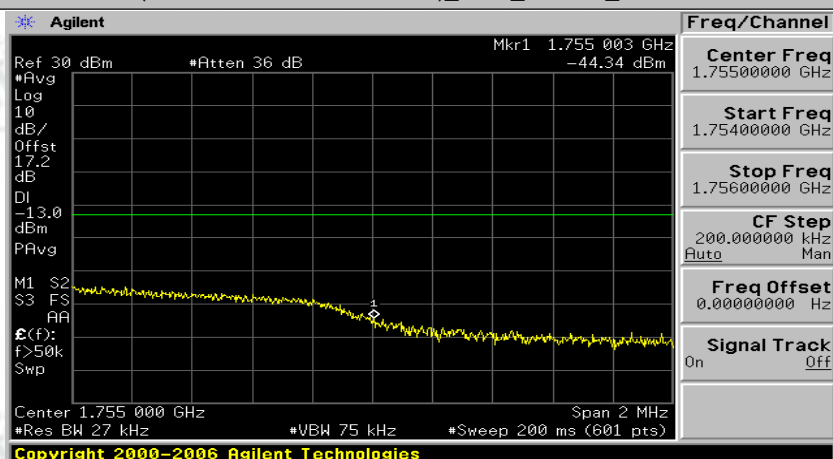
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0



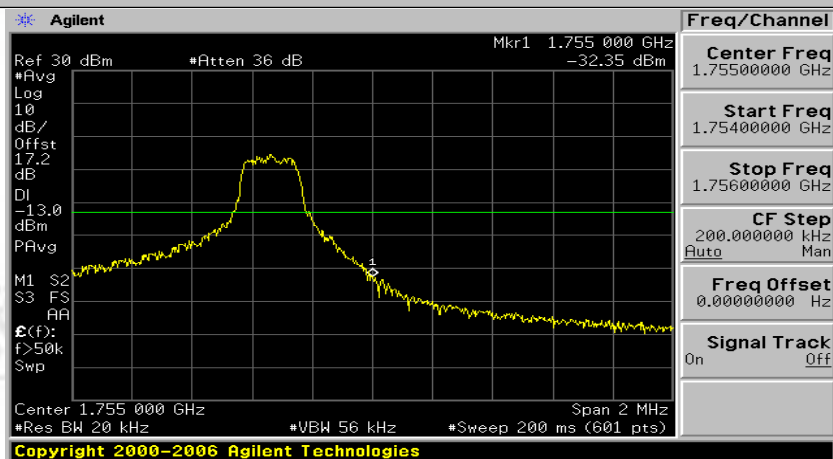
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0



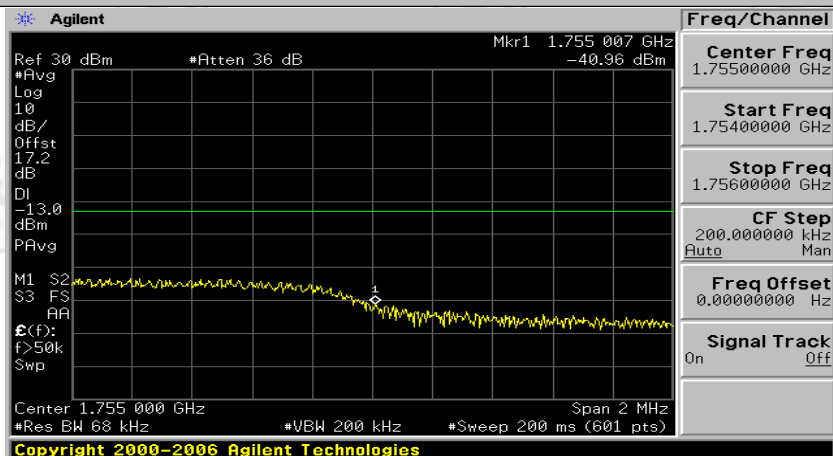
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12



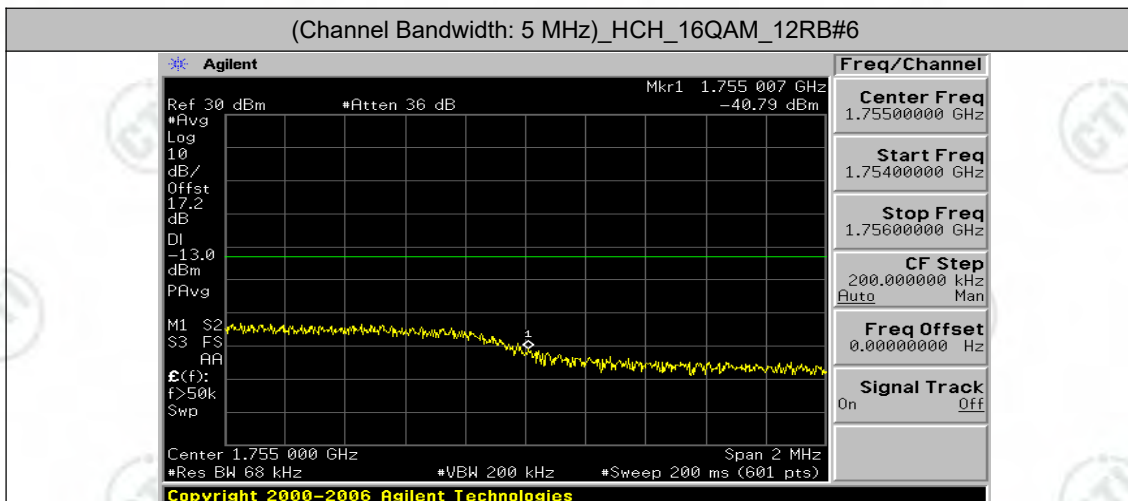
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24



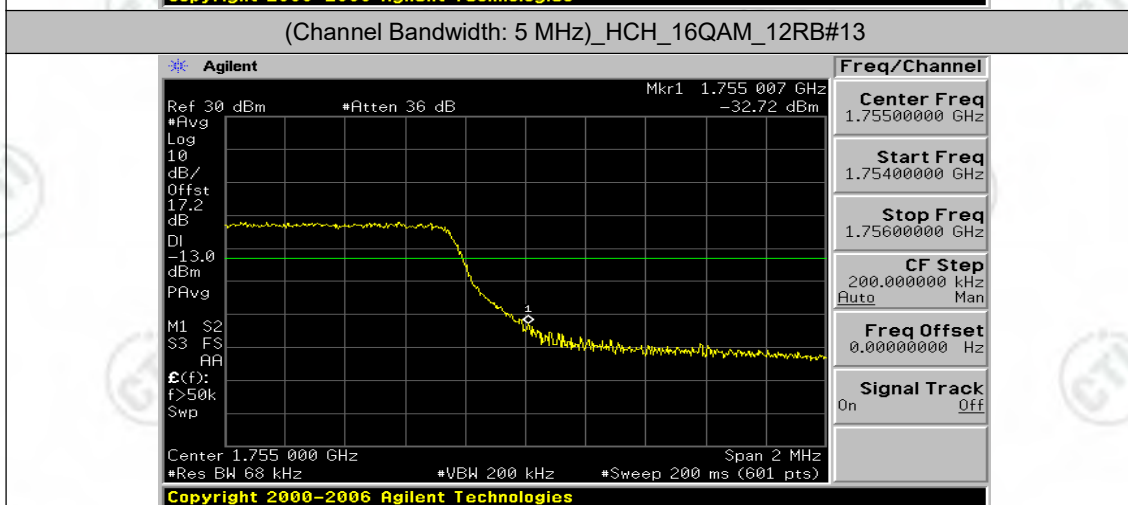
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#0



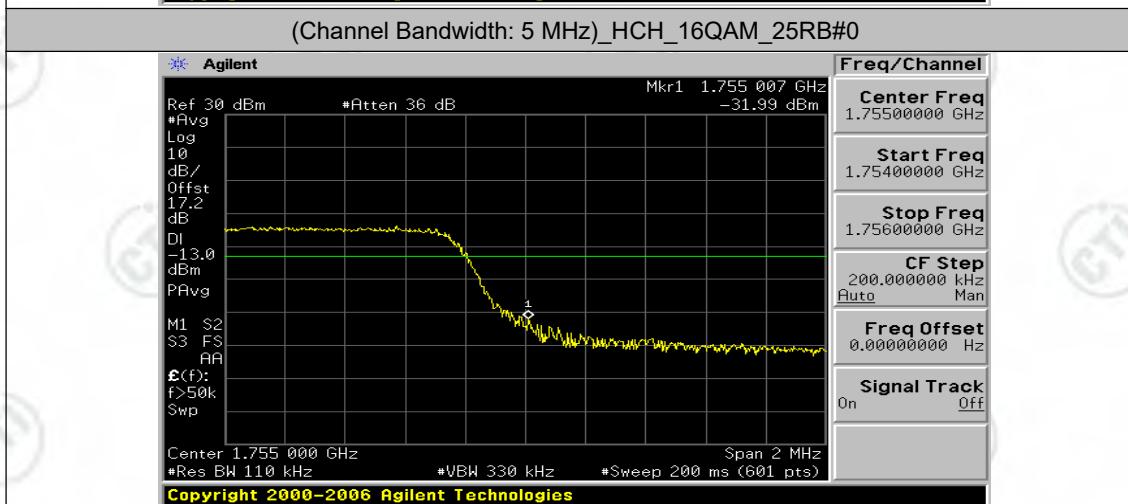
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#6



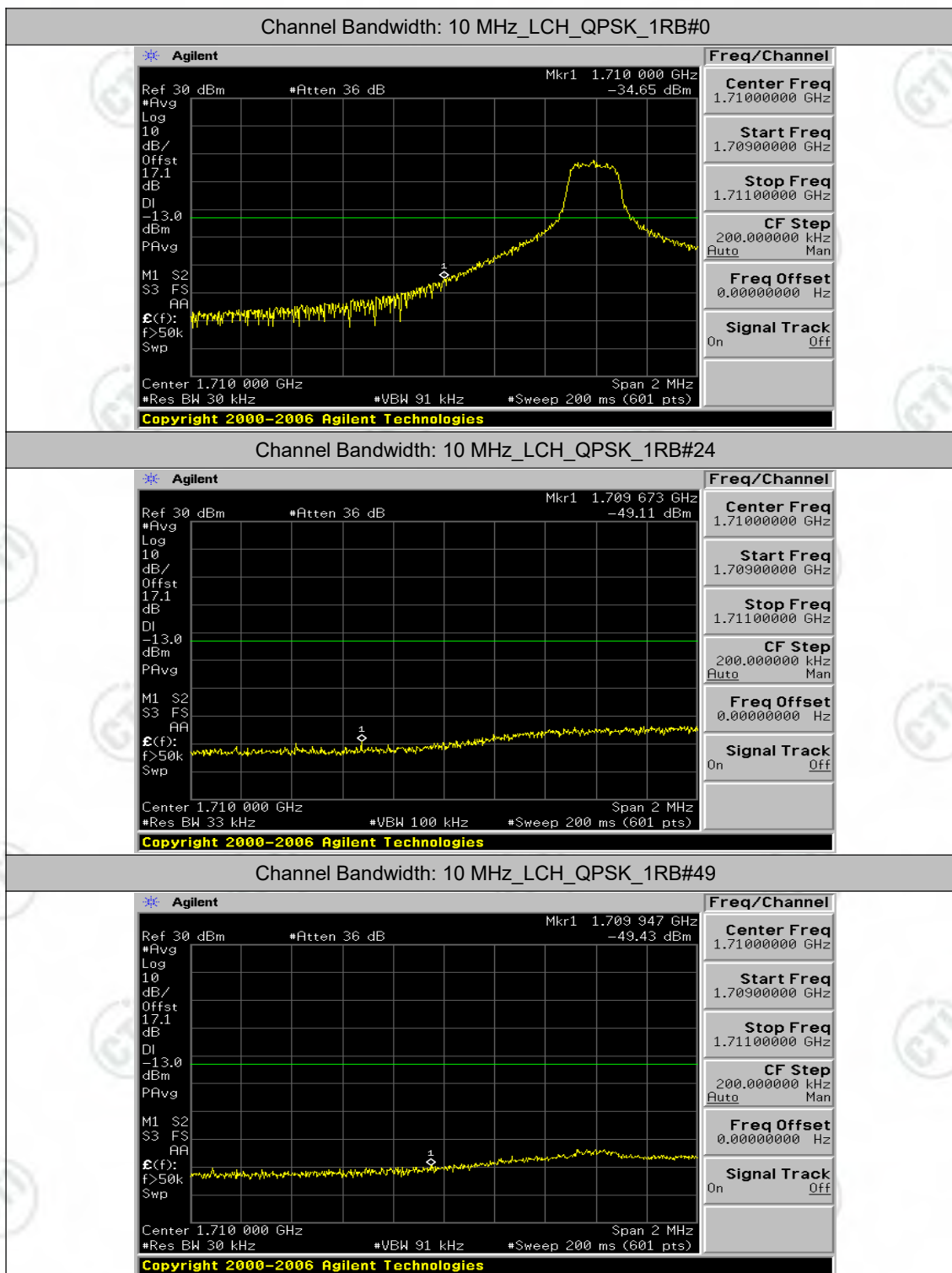
(Channel Bandwidth: 5 MHz)_HCH_16QAM_12RB#13

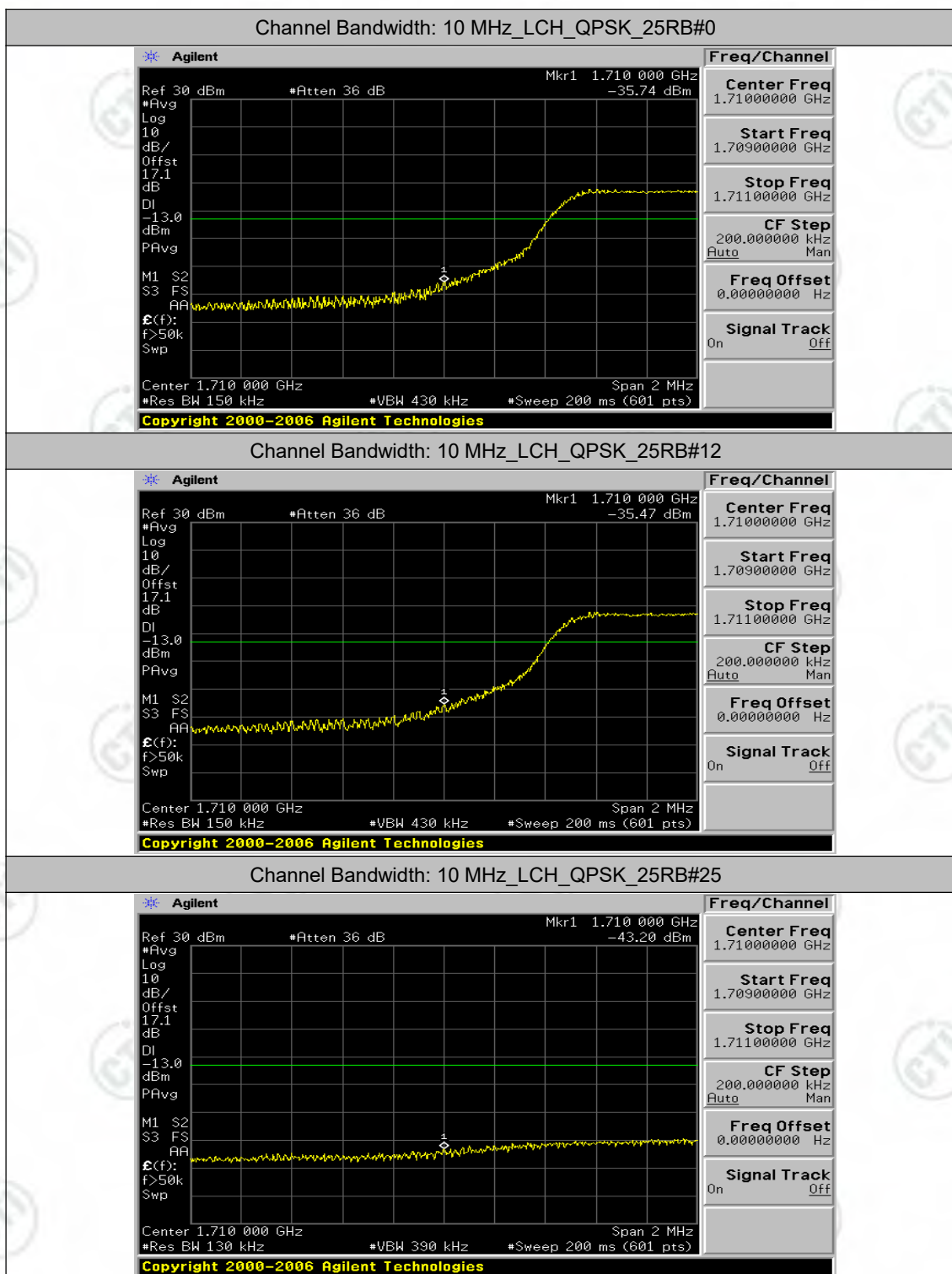


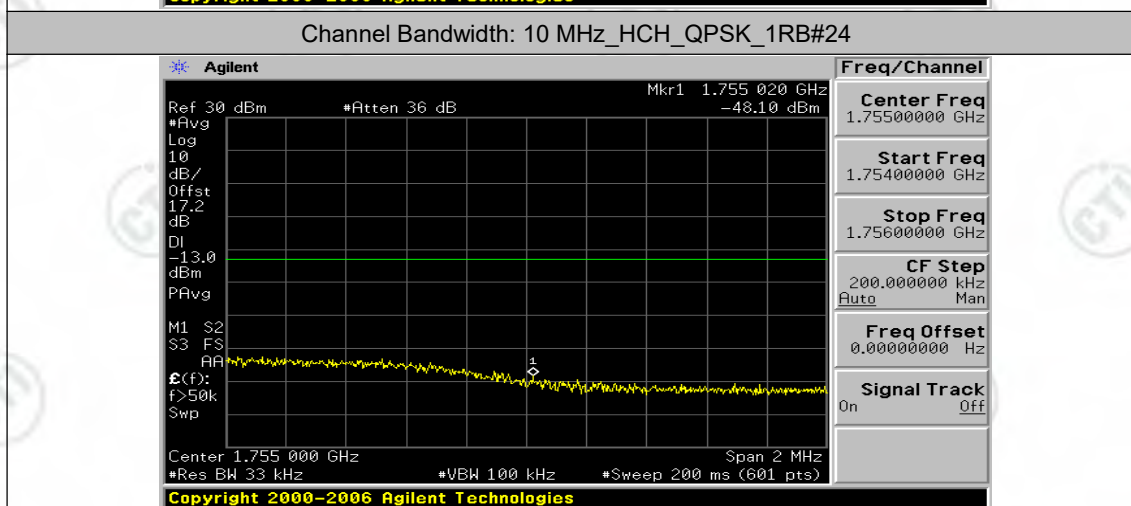
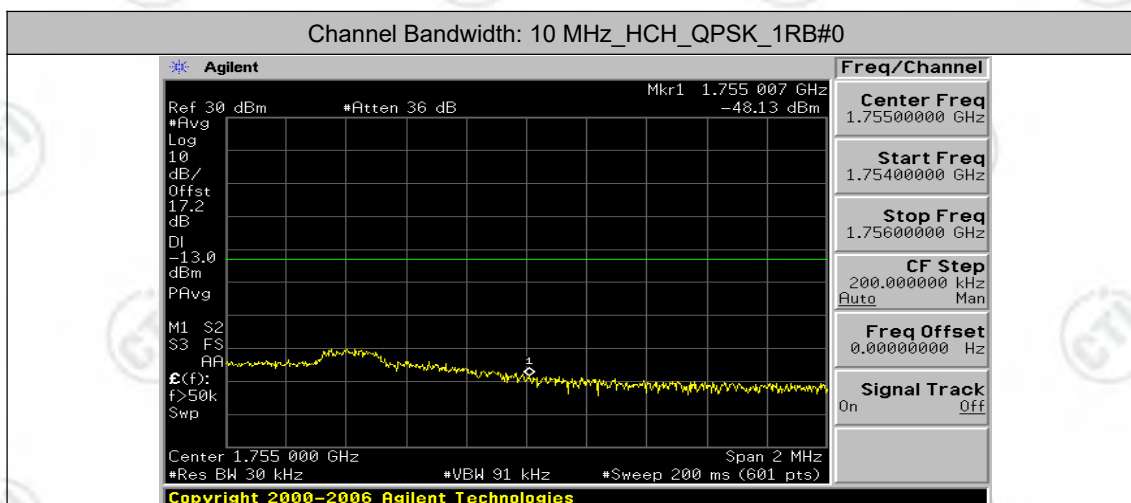
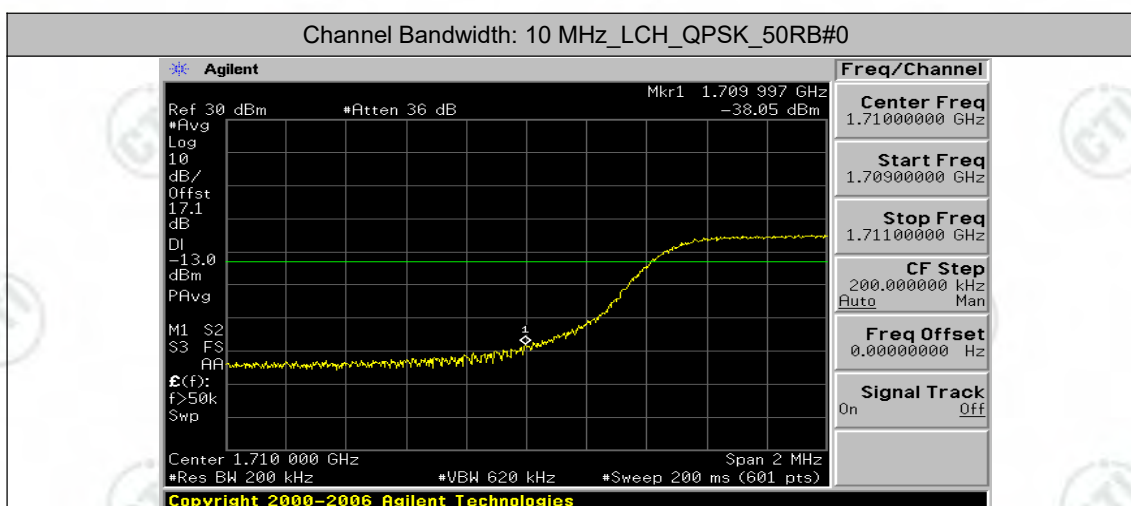
(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

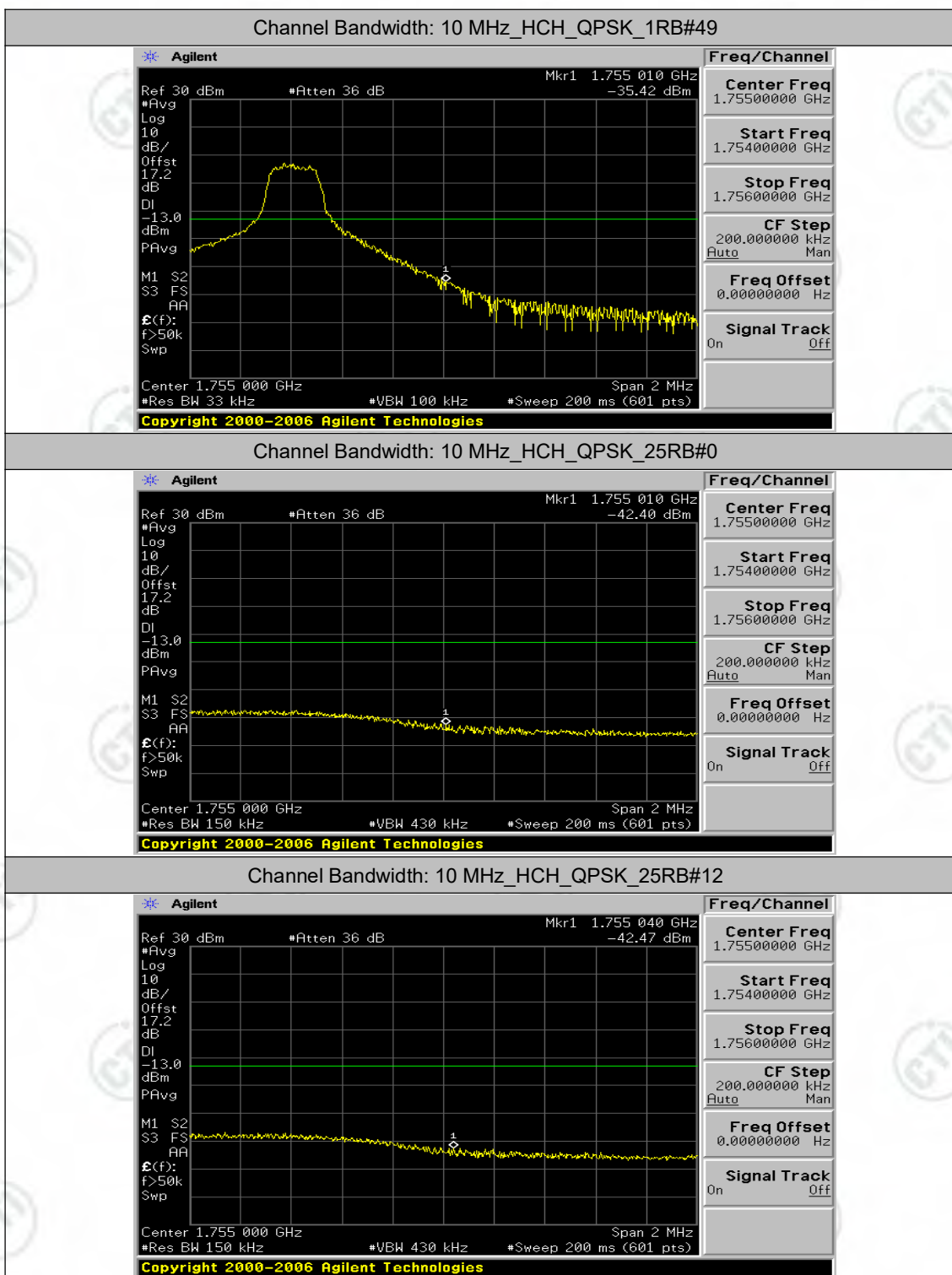


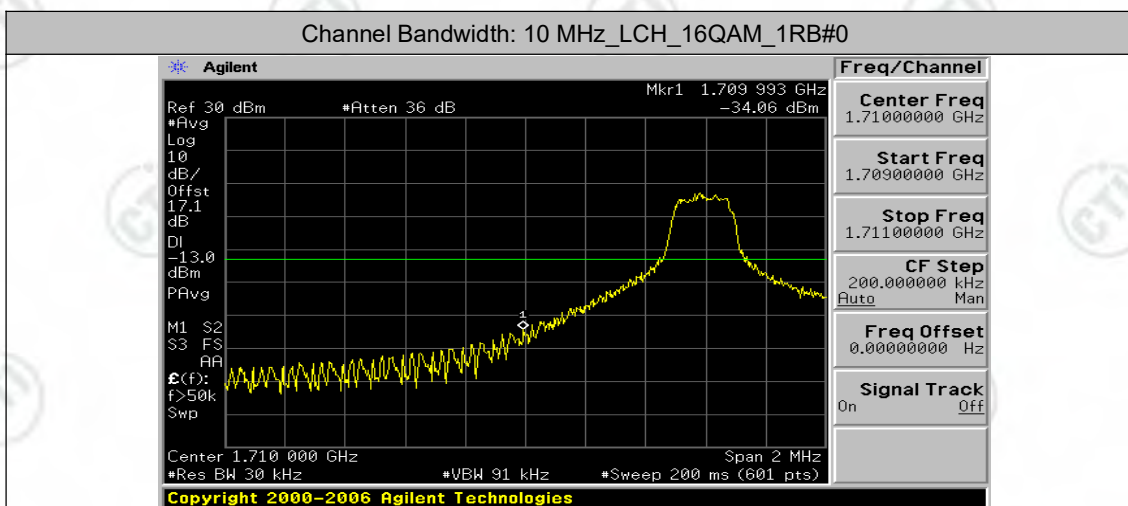
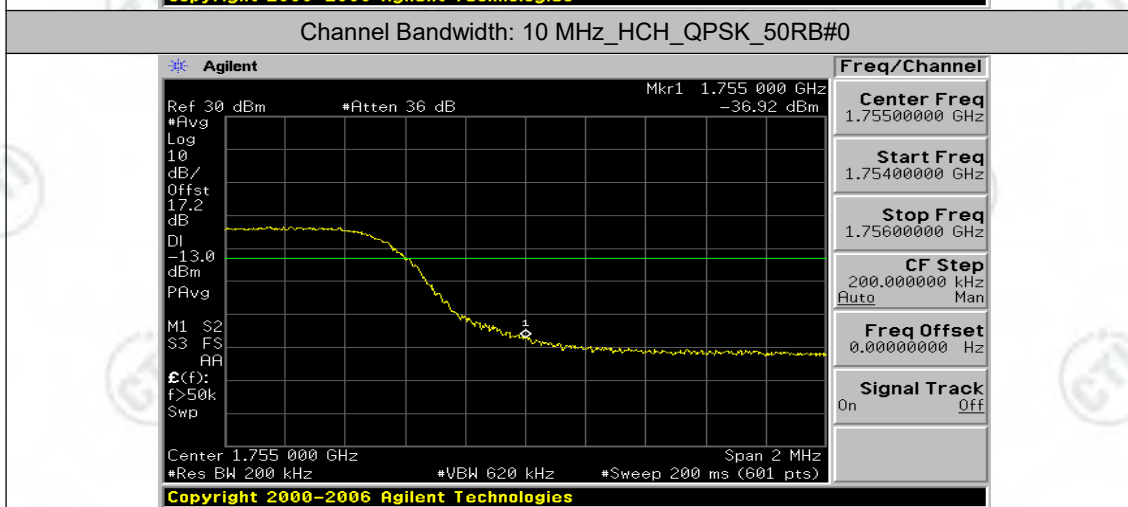
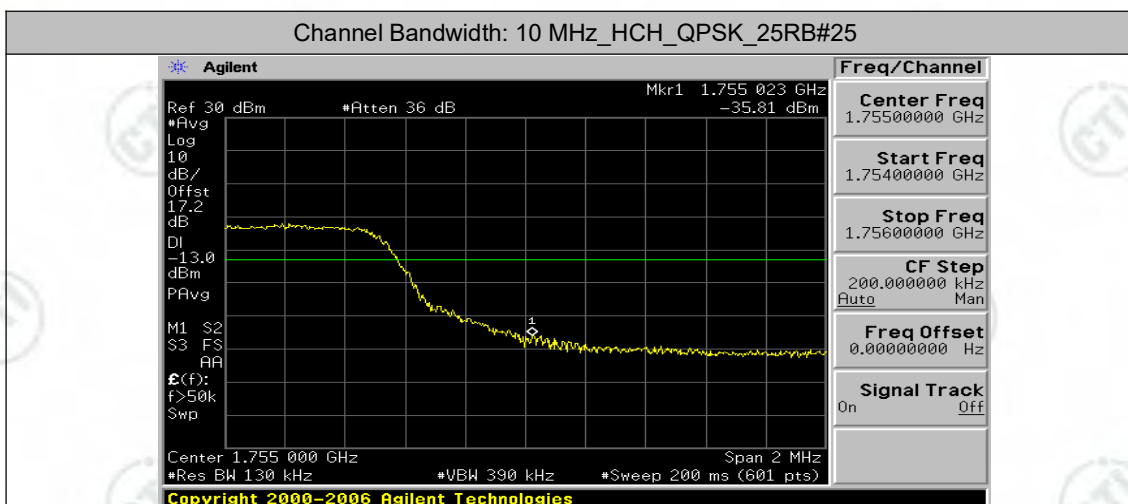
Channel Bandwidth: 10 MHz

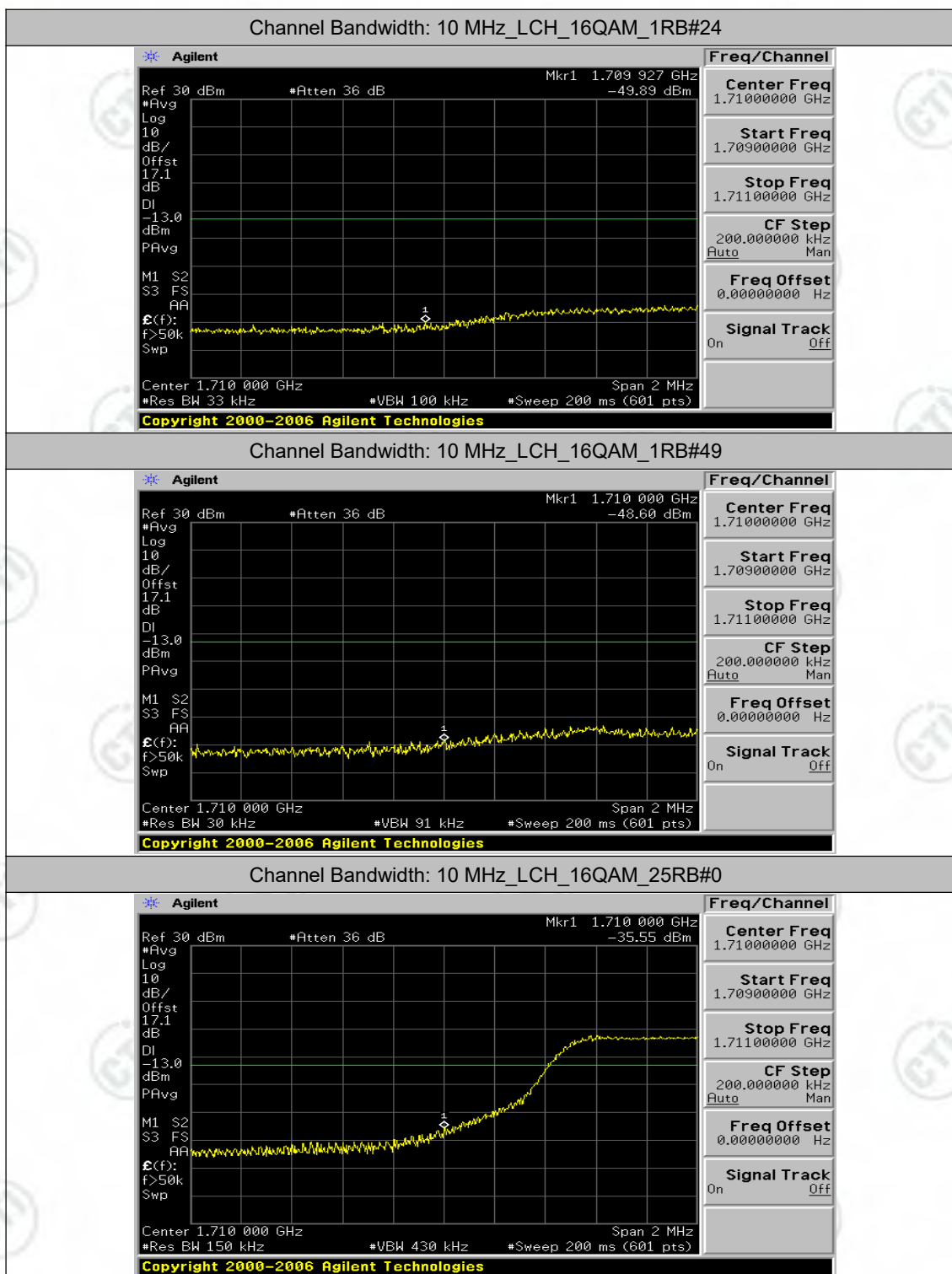


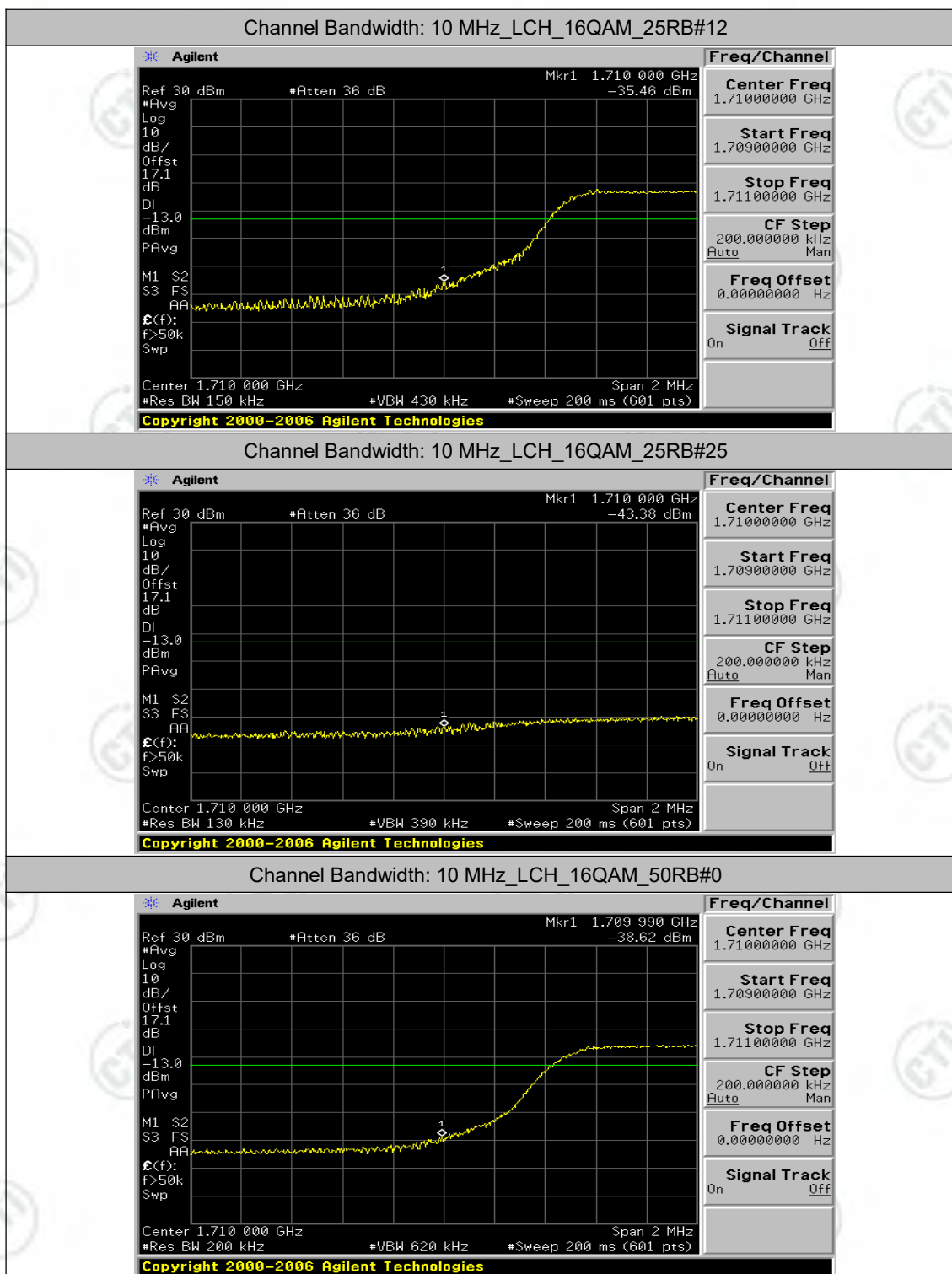


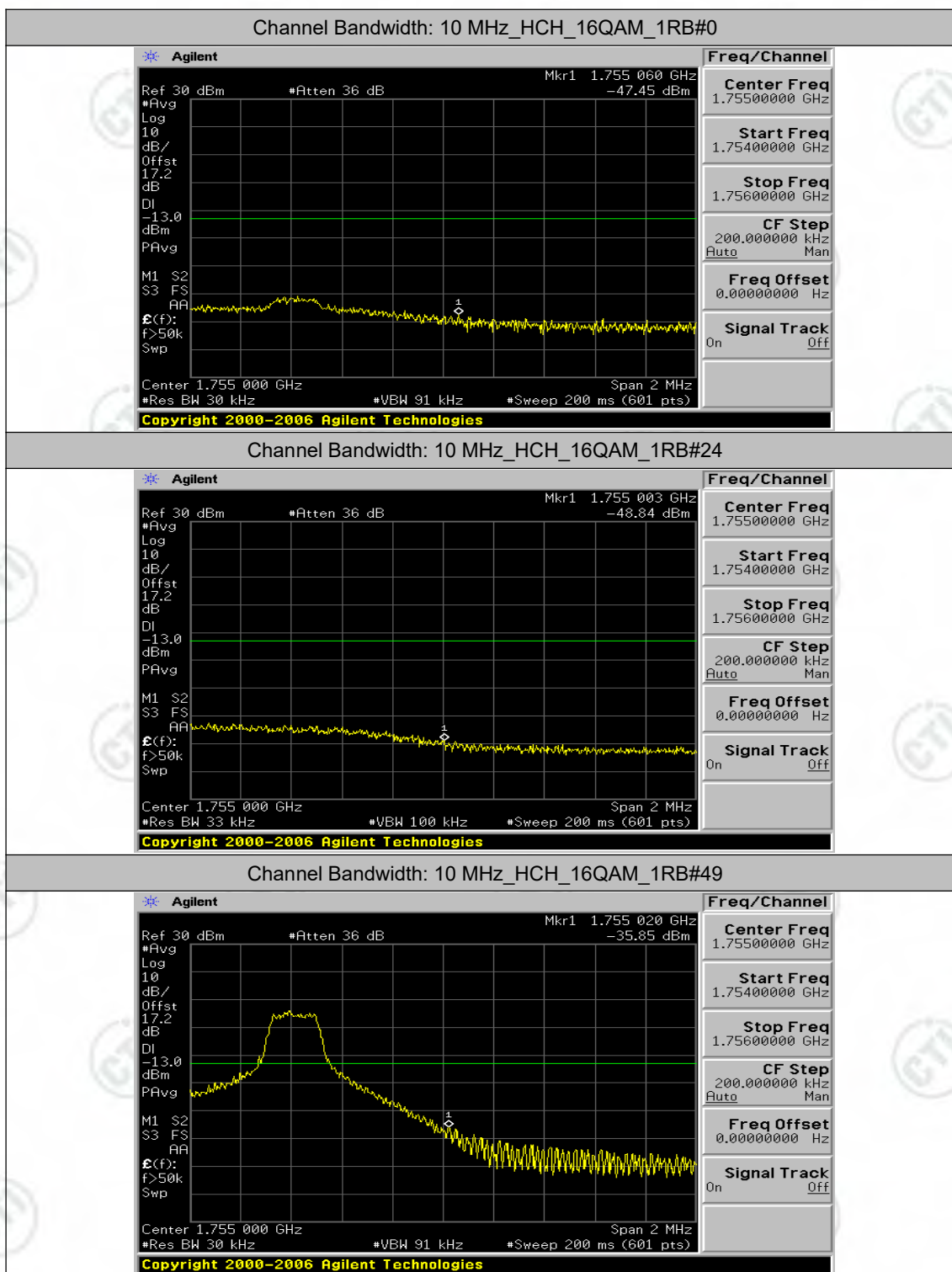


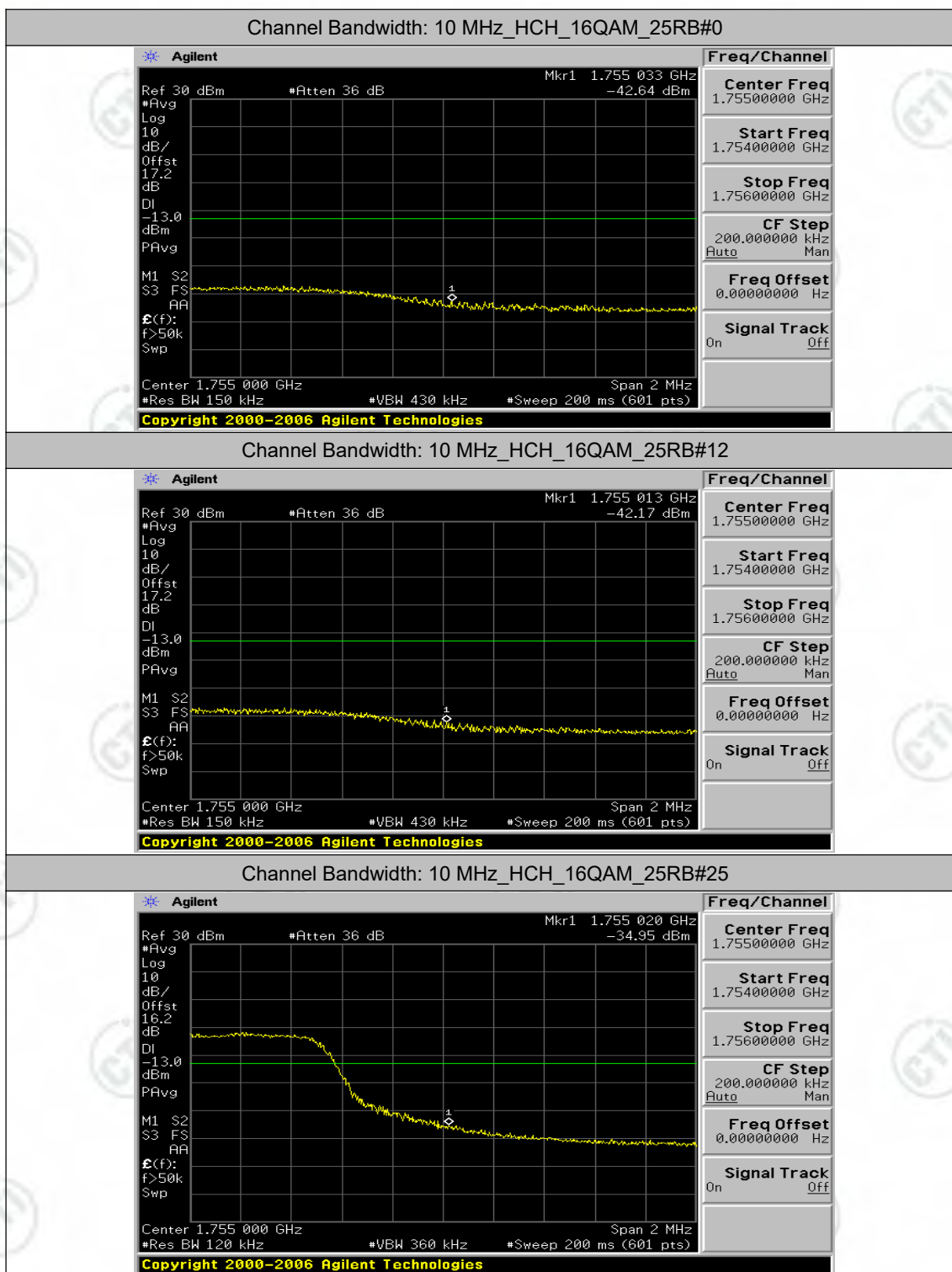


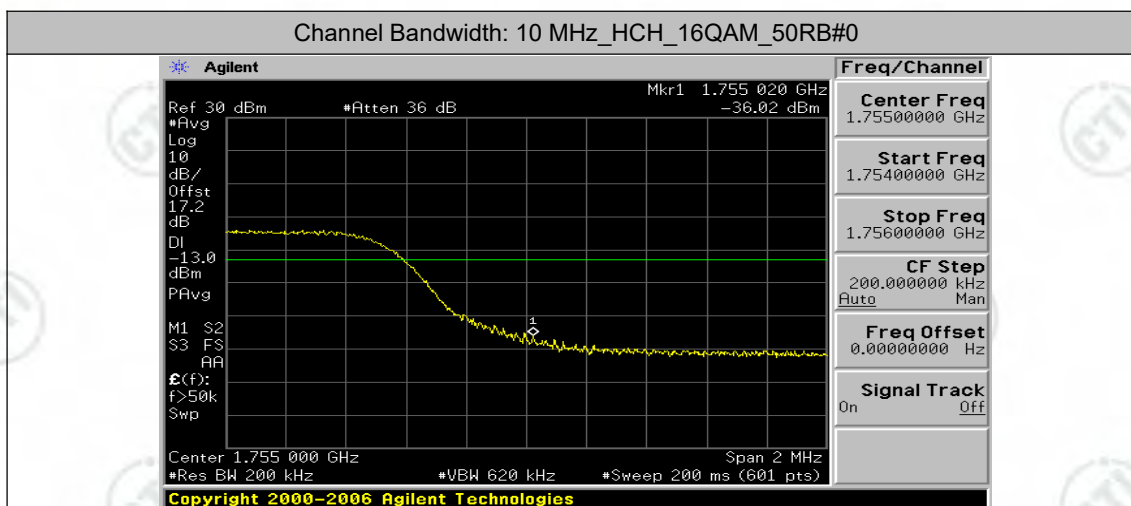




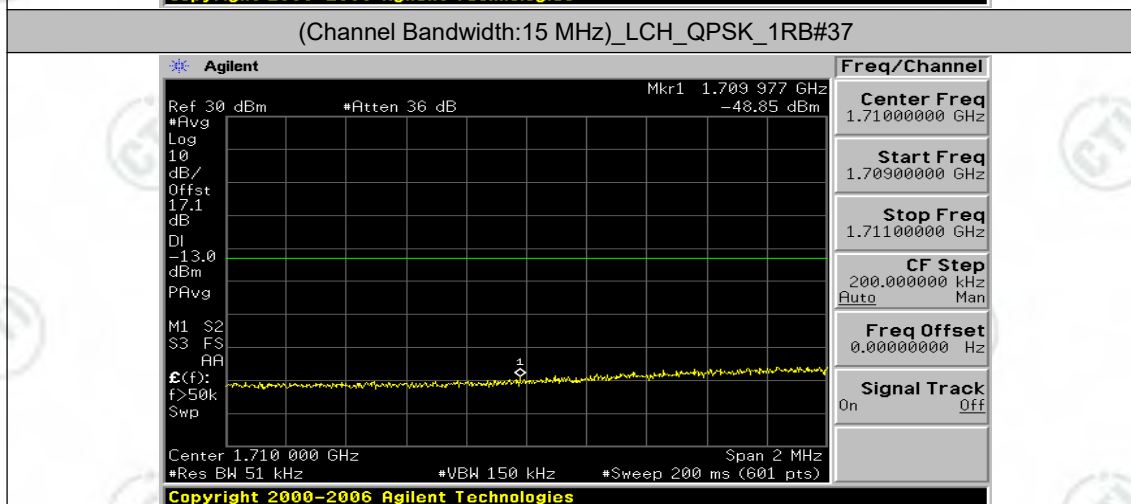
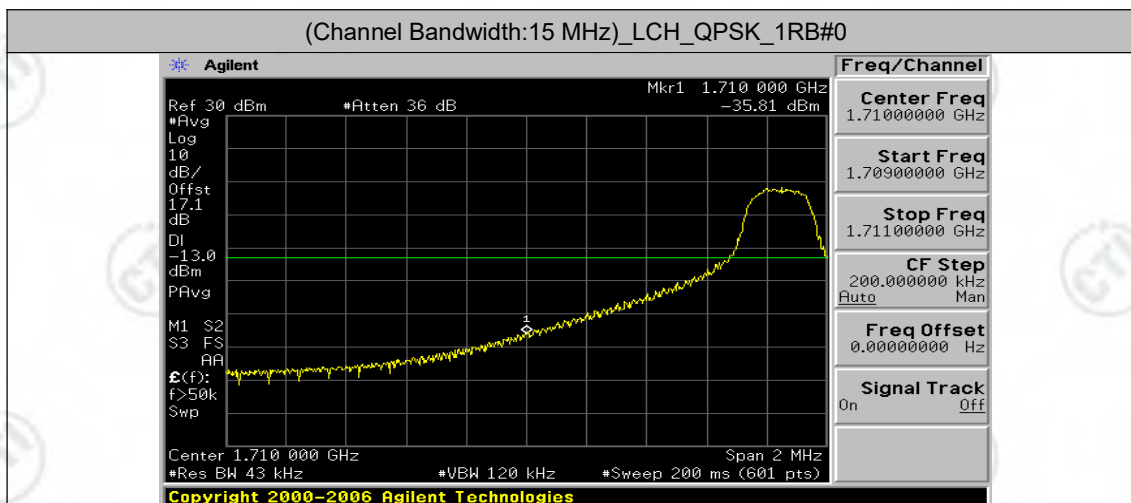


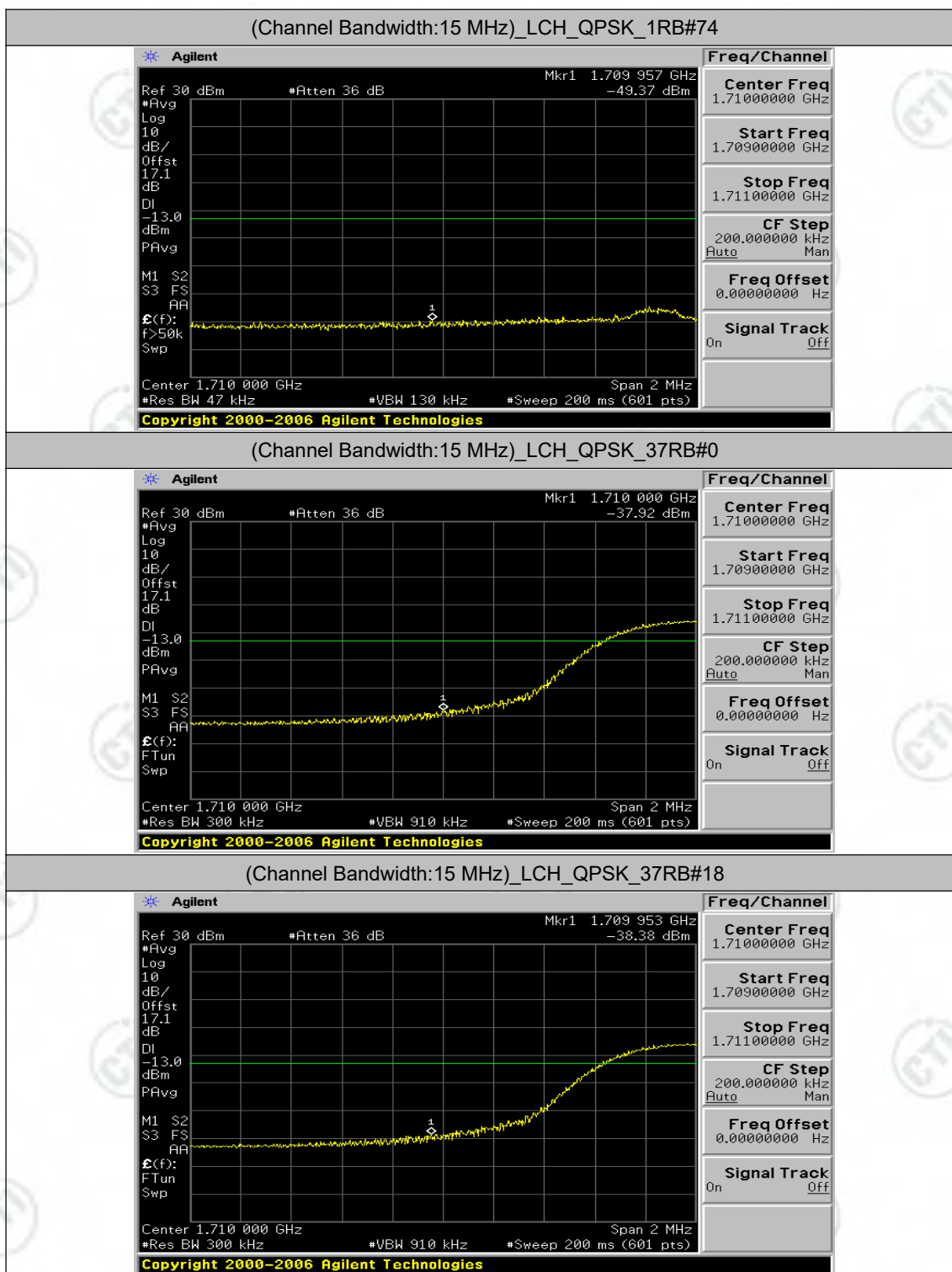


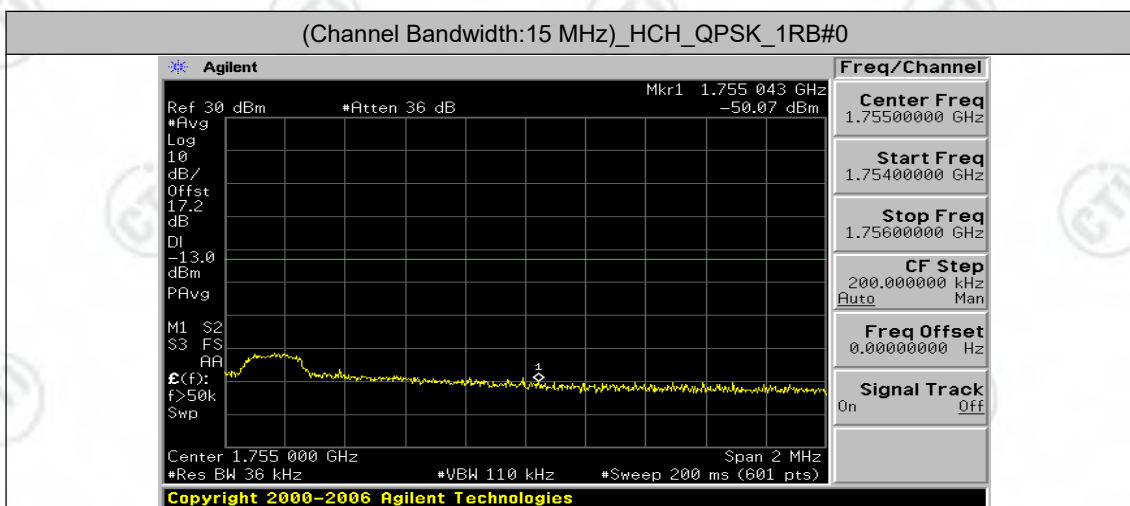
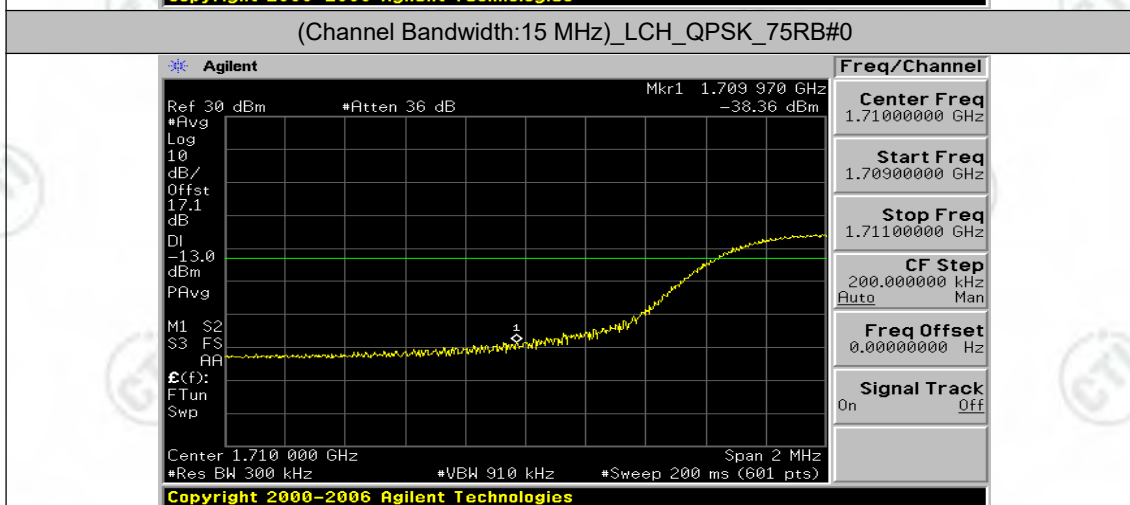
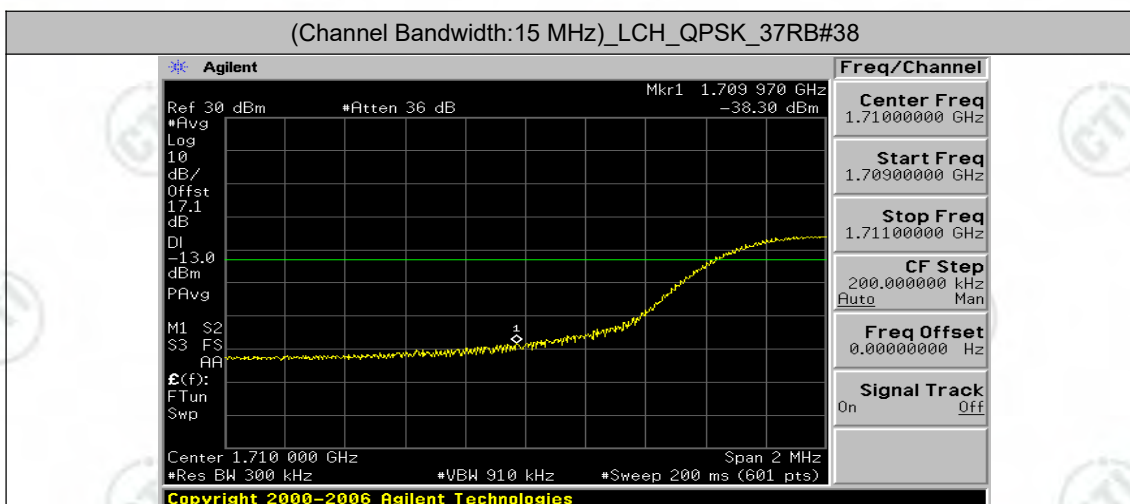


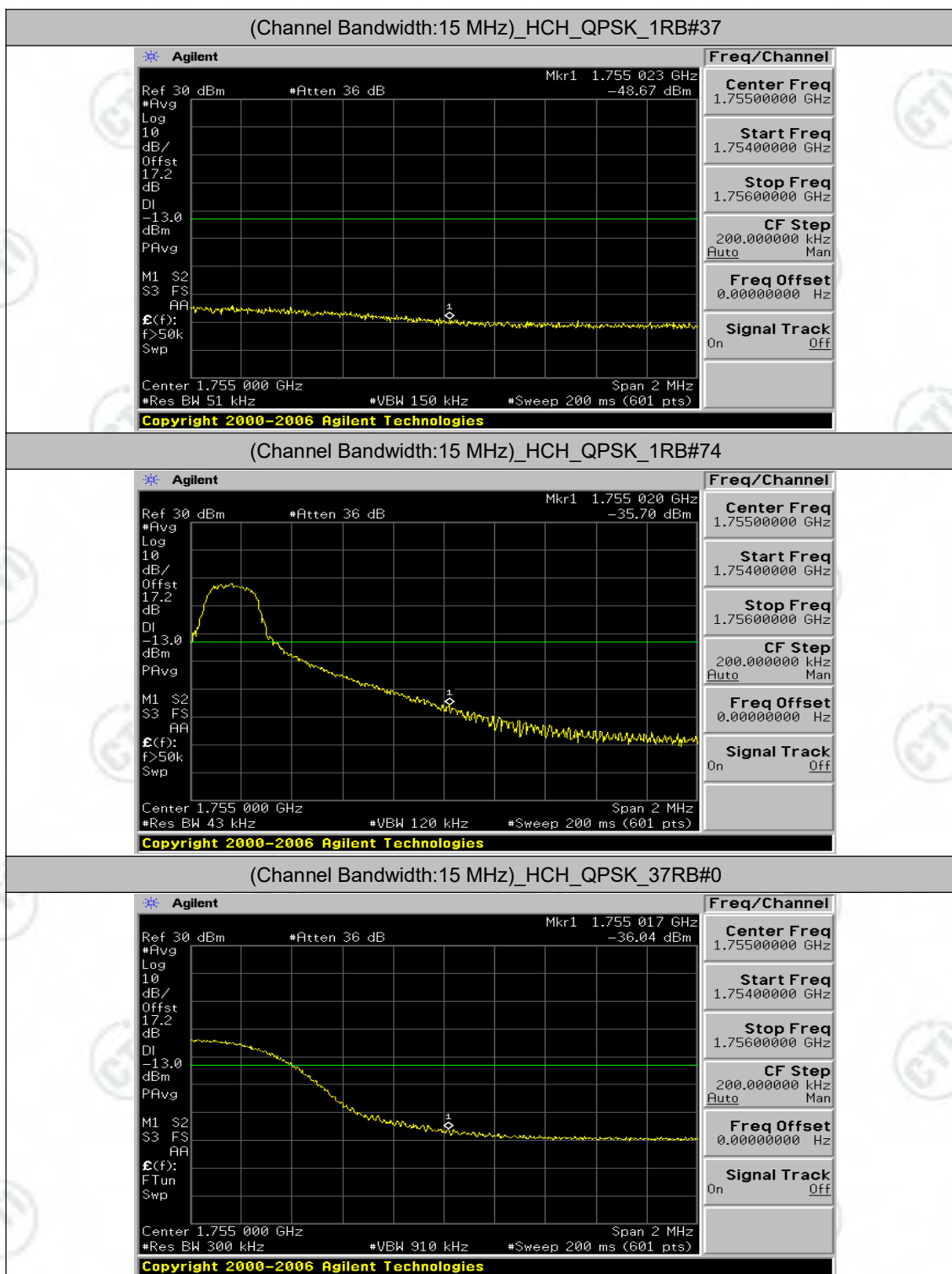


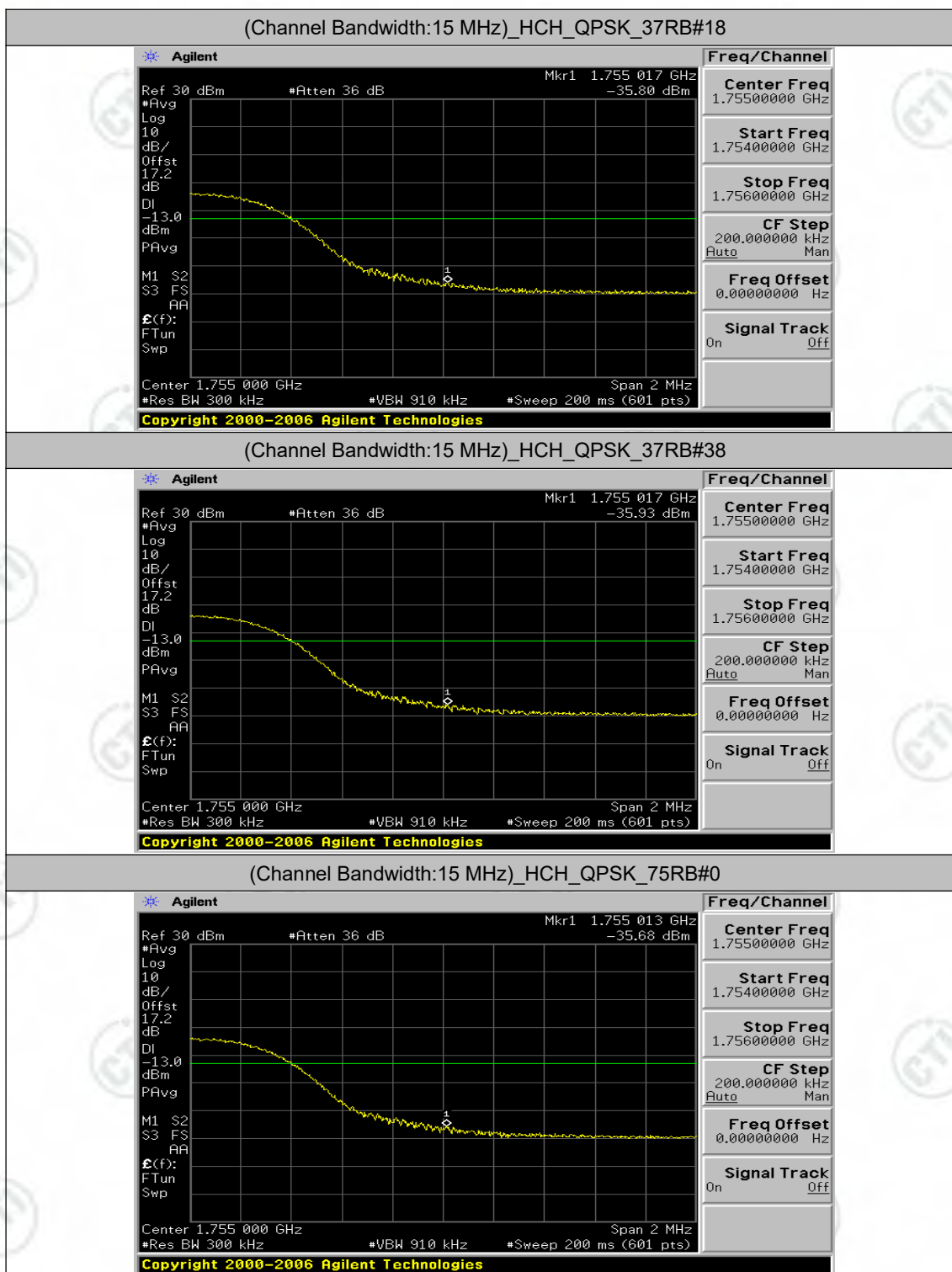
Channel Bandwidth: 15 MHz

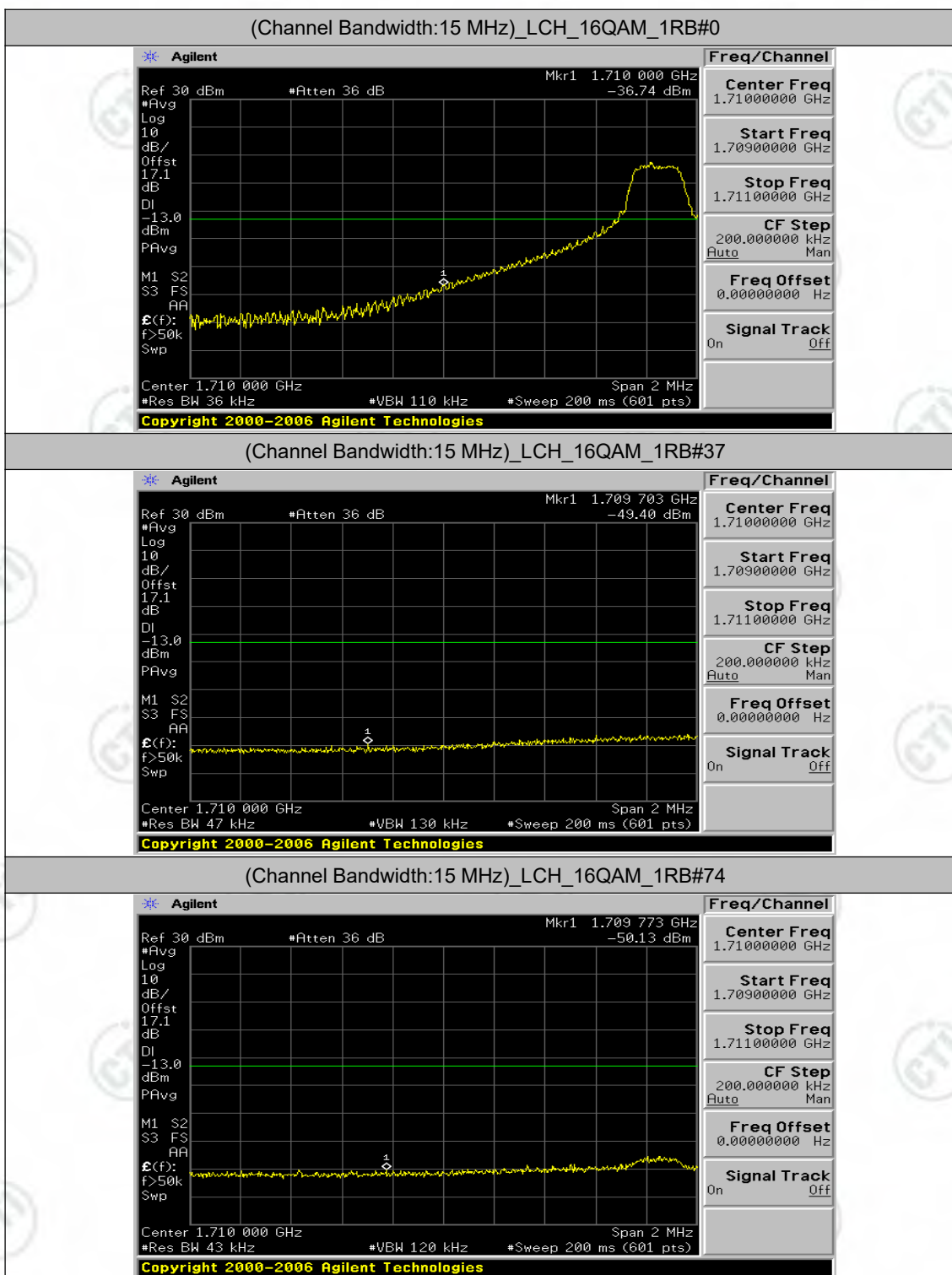


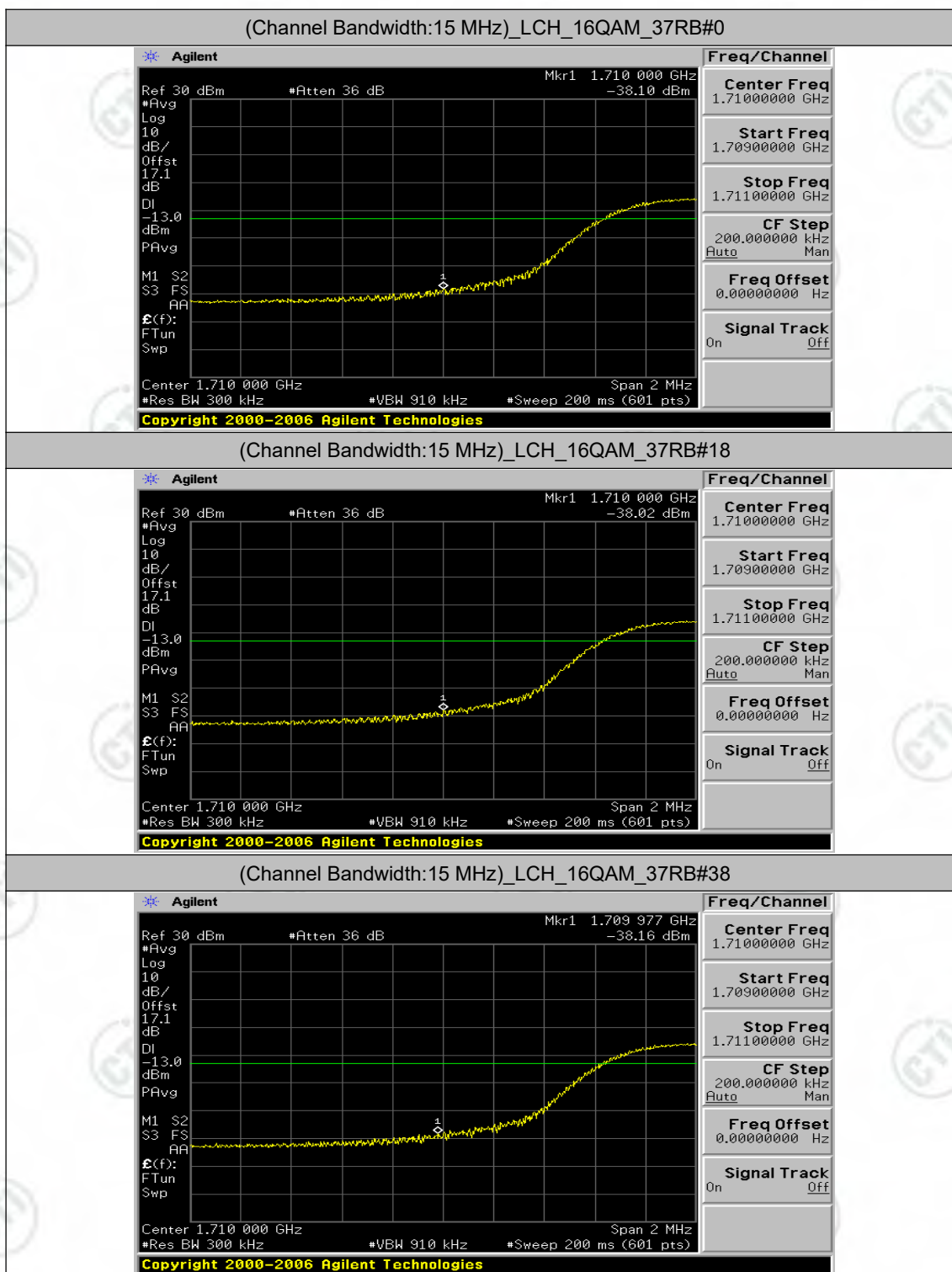


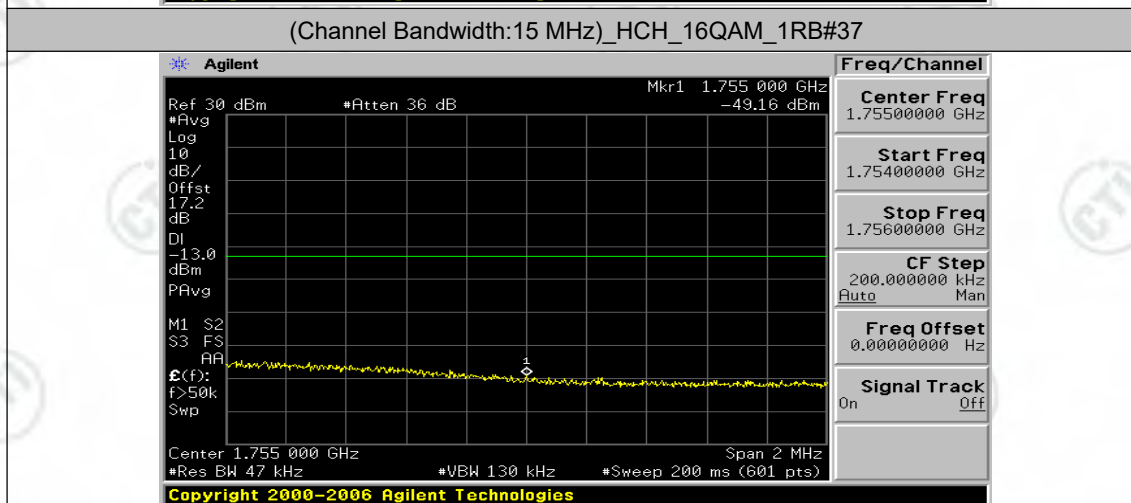
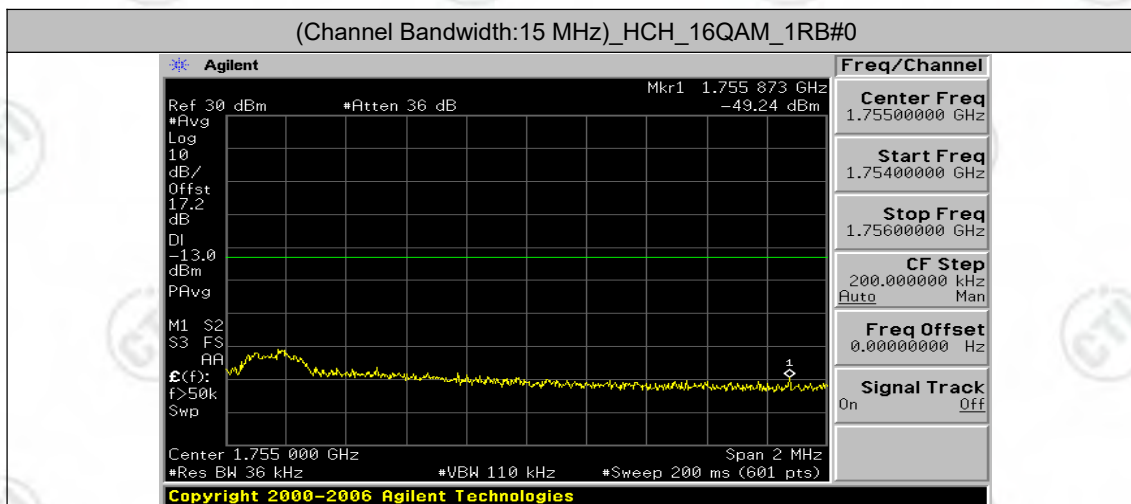
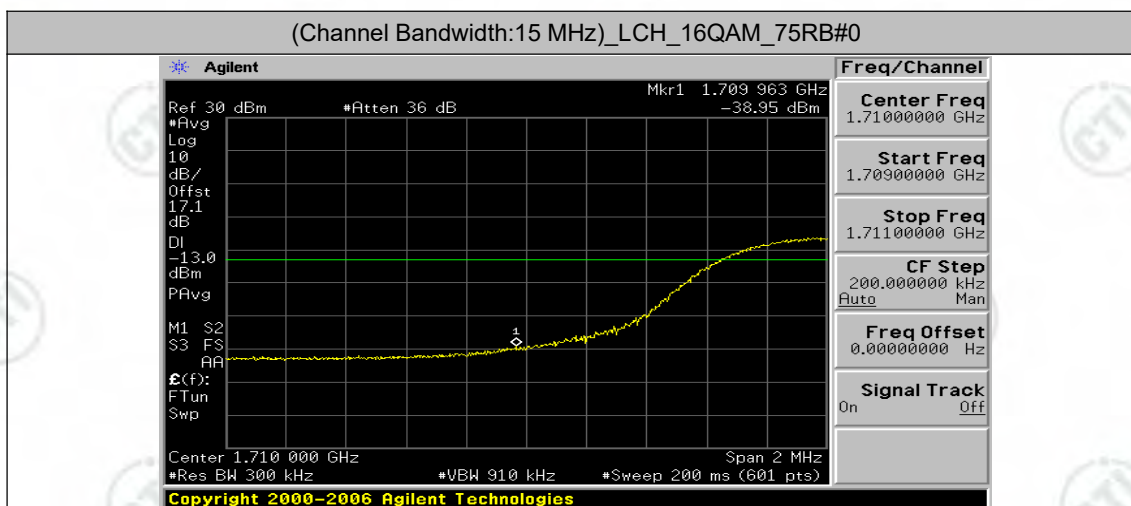




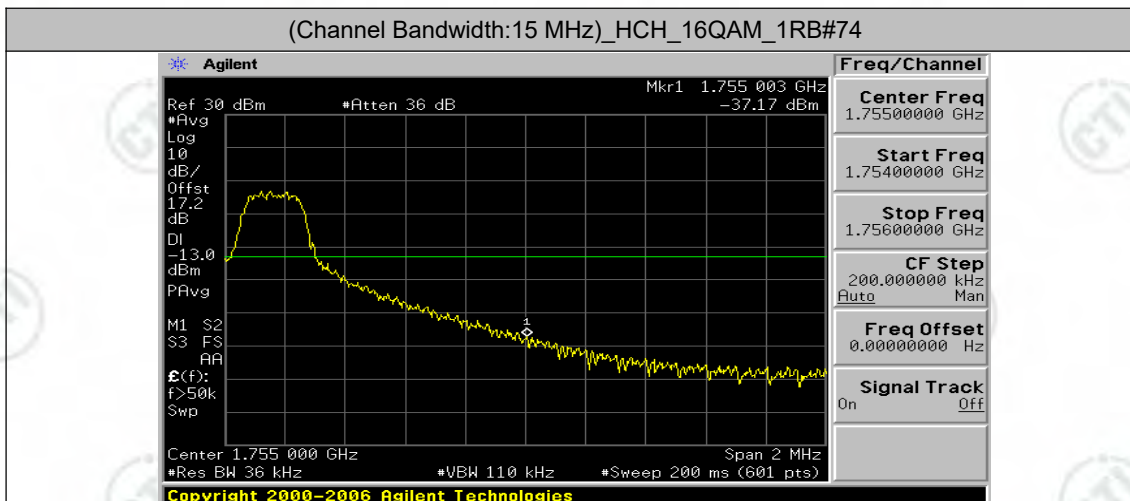




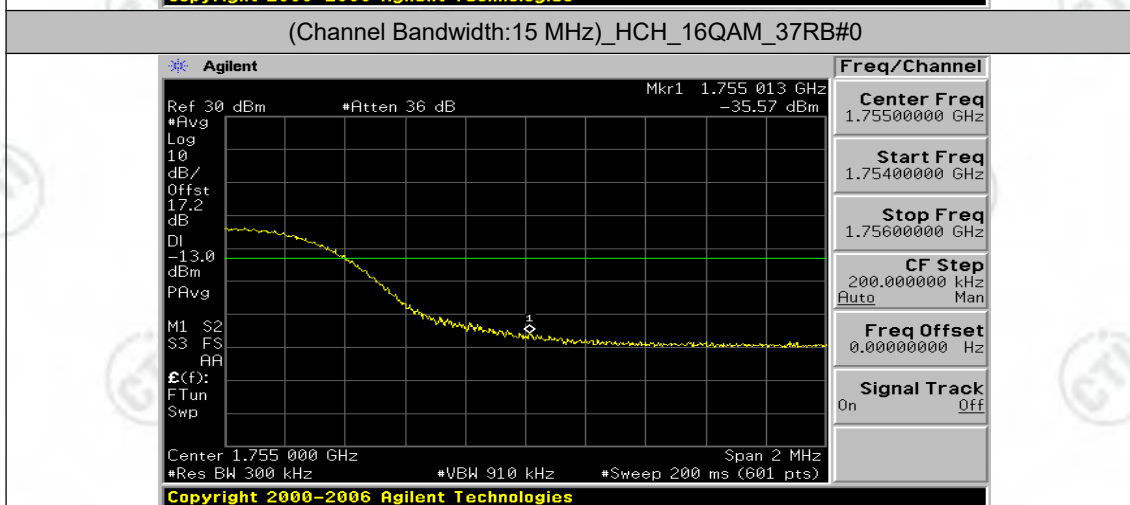




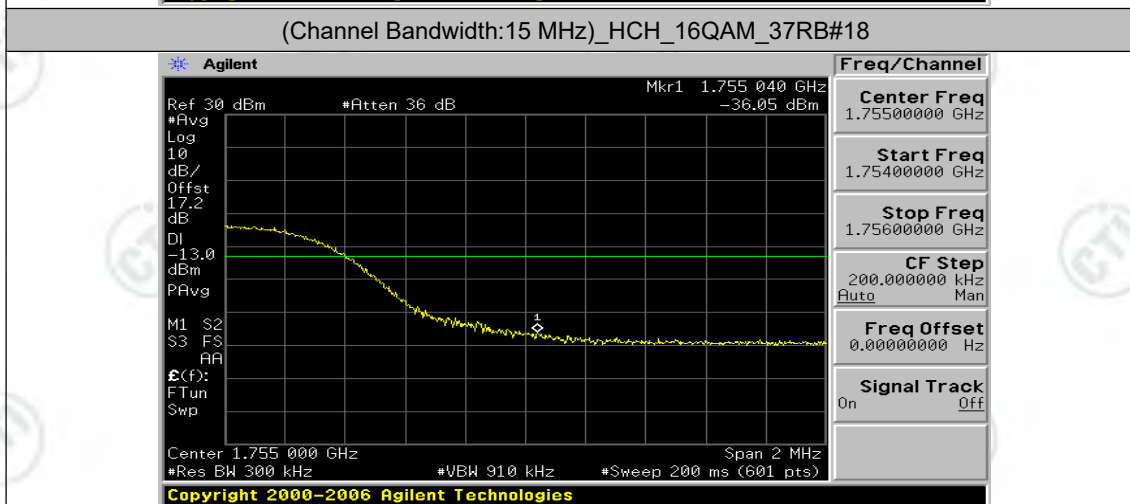
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

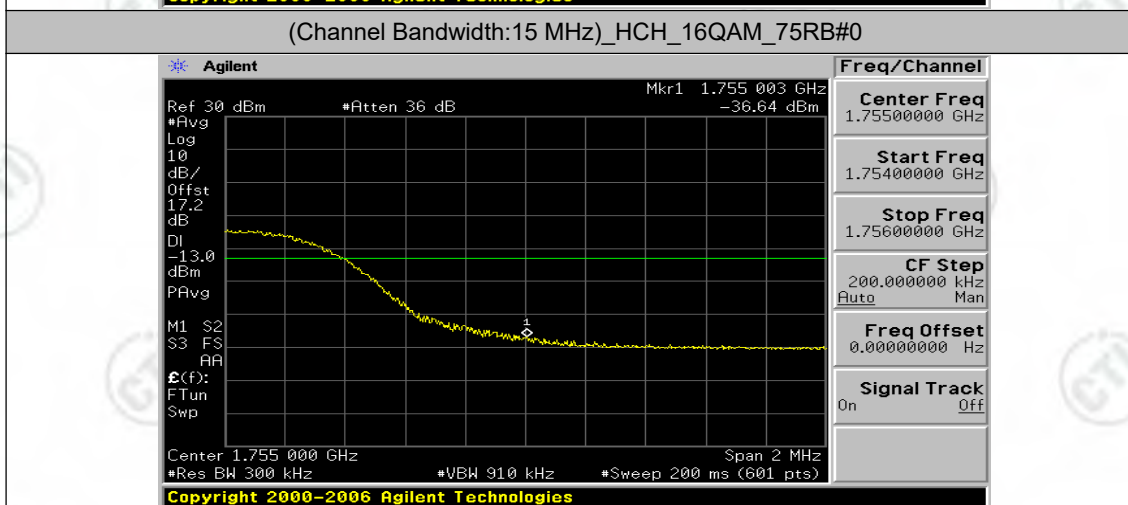
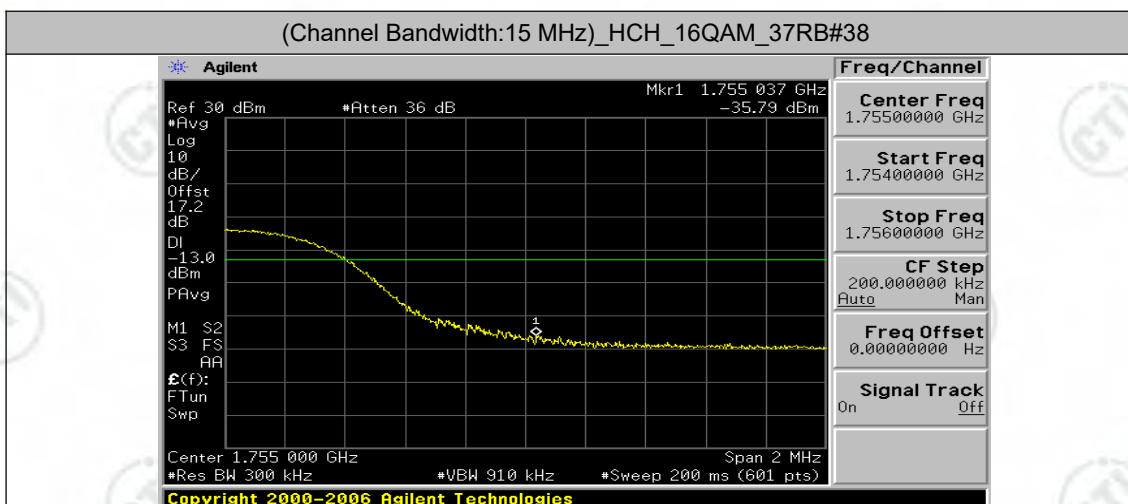


(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0

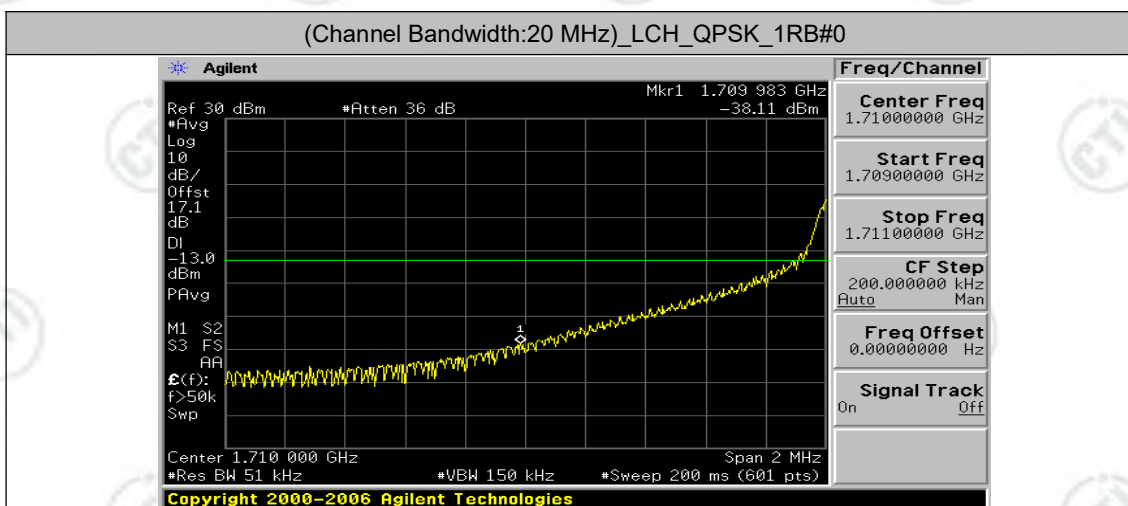


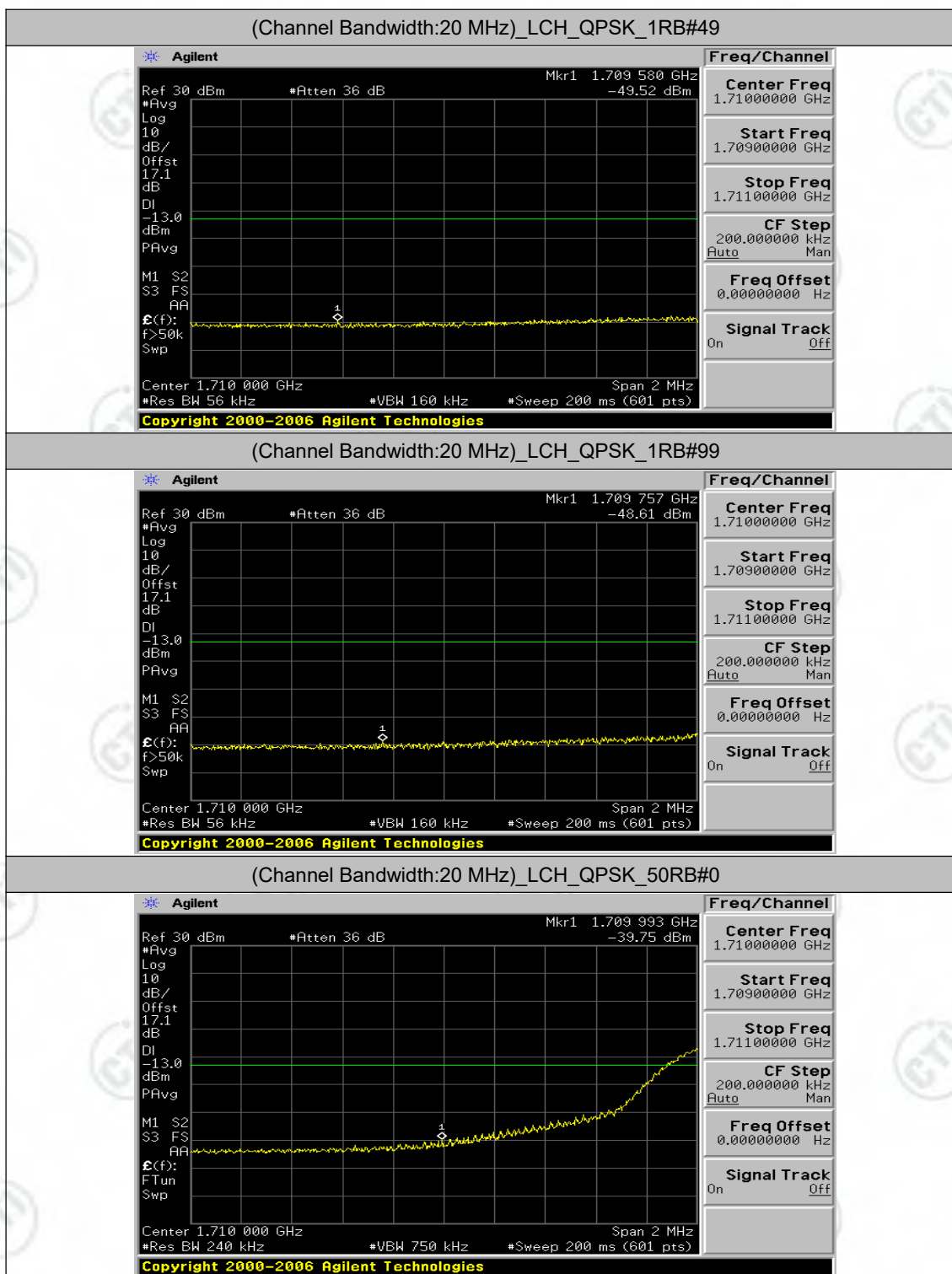
(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18

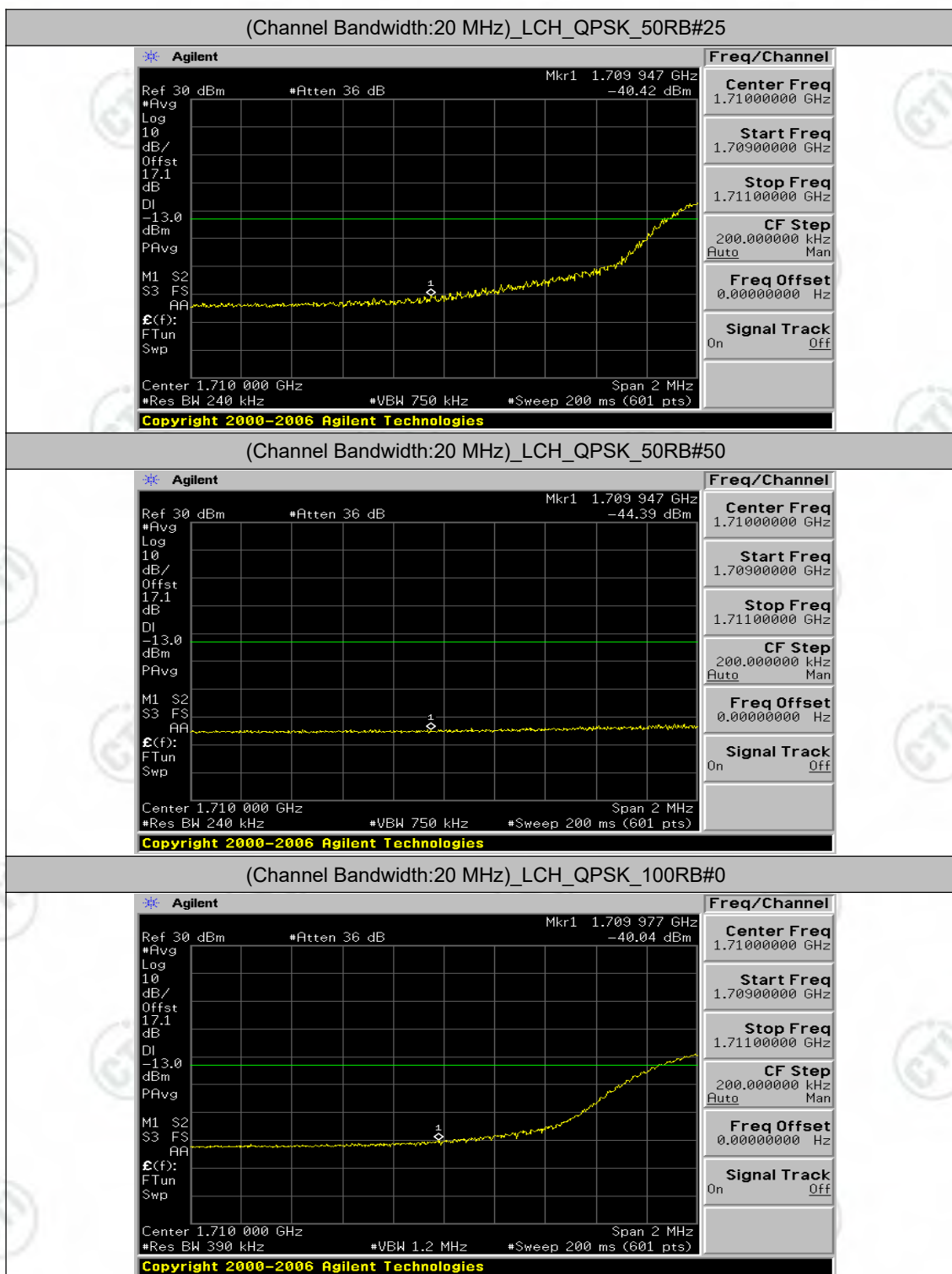


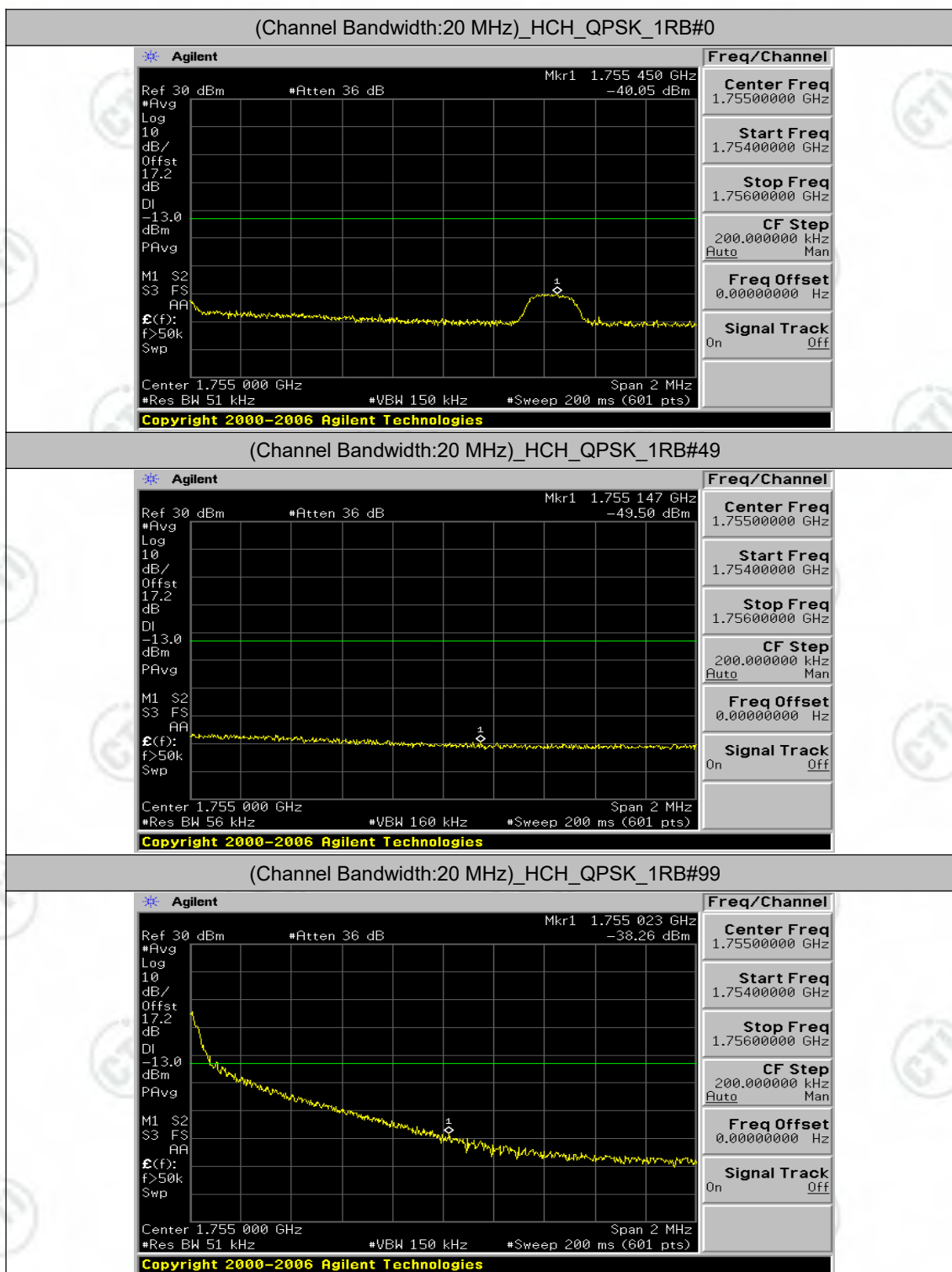


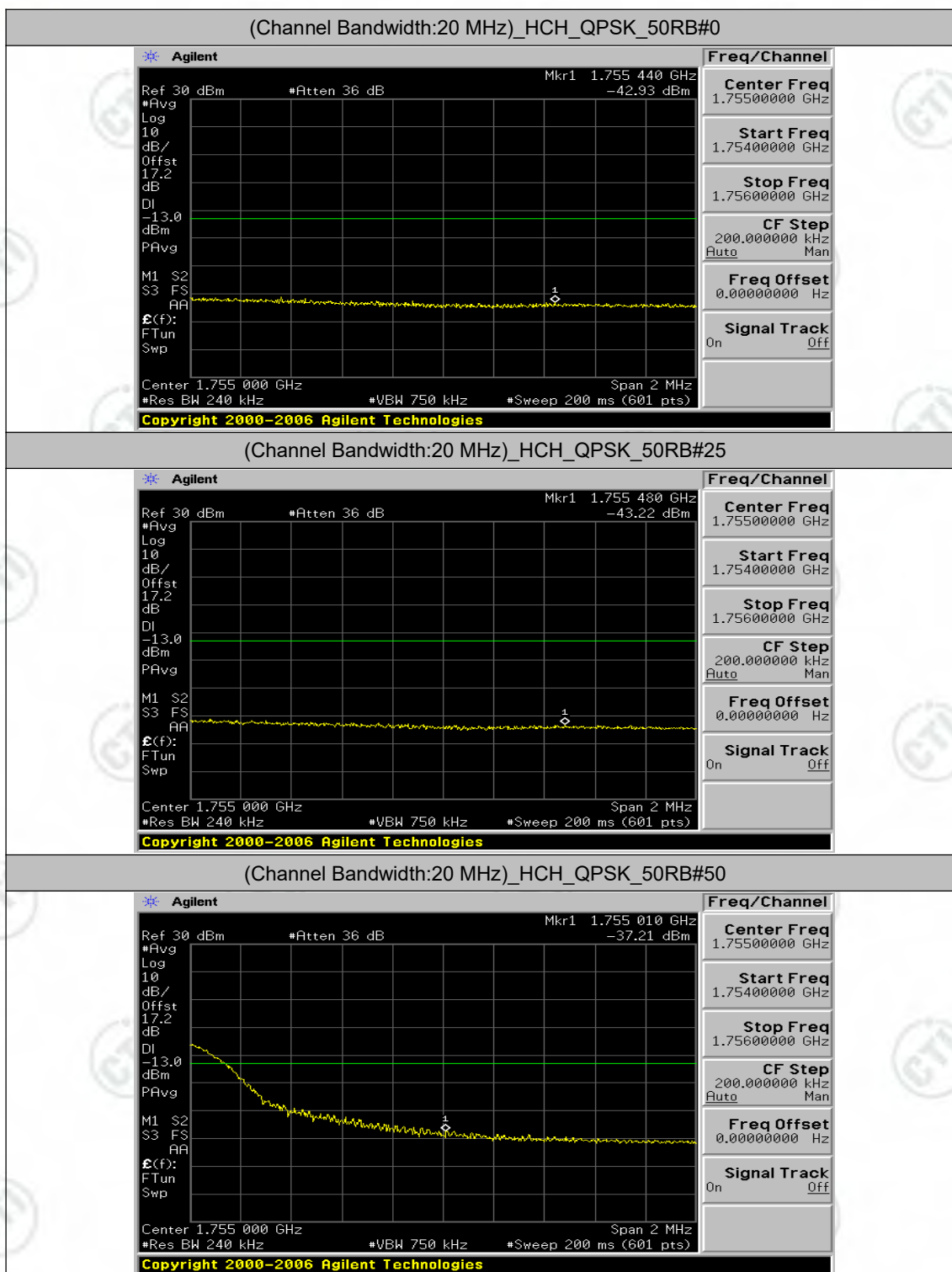
Channel Bandwidth: 20 MHz

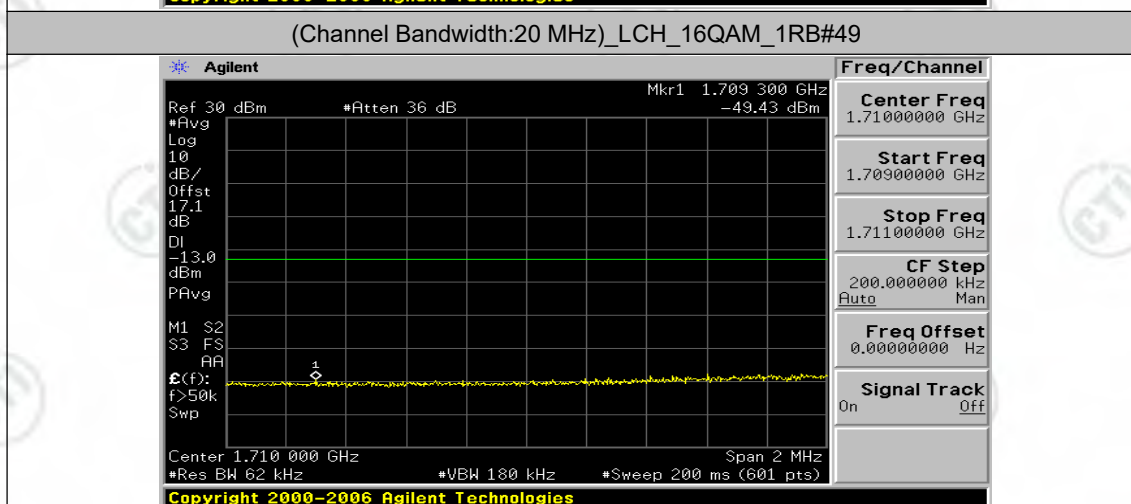
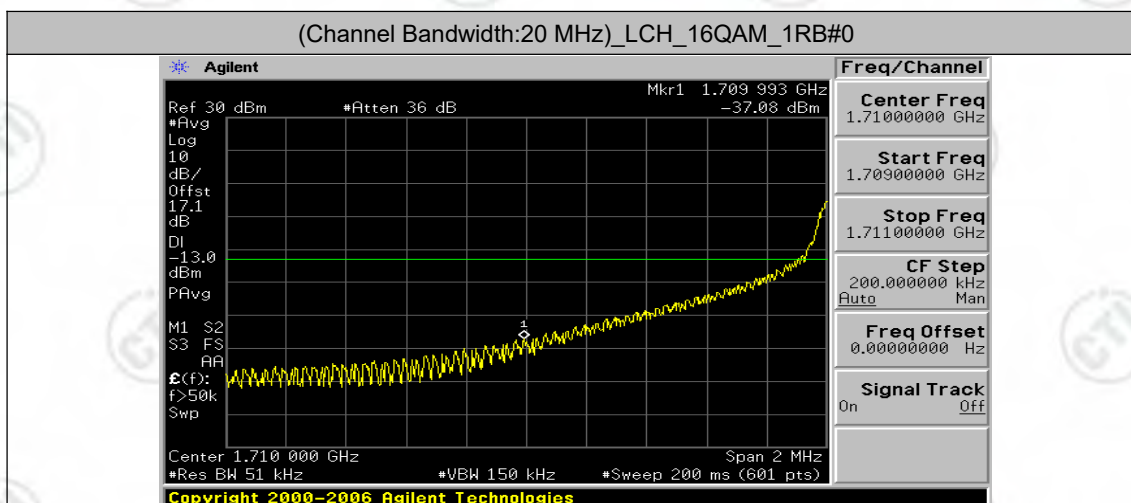
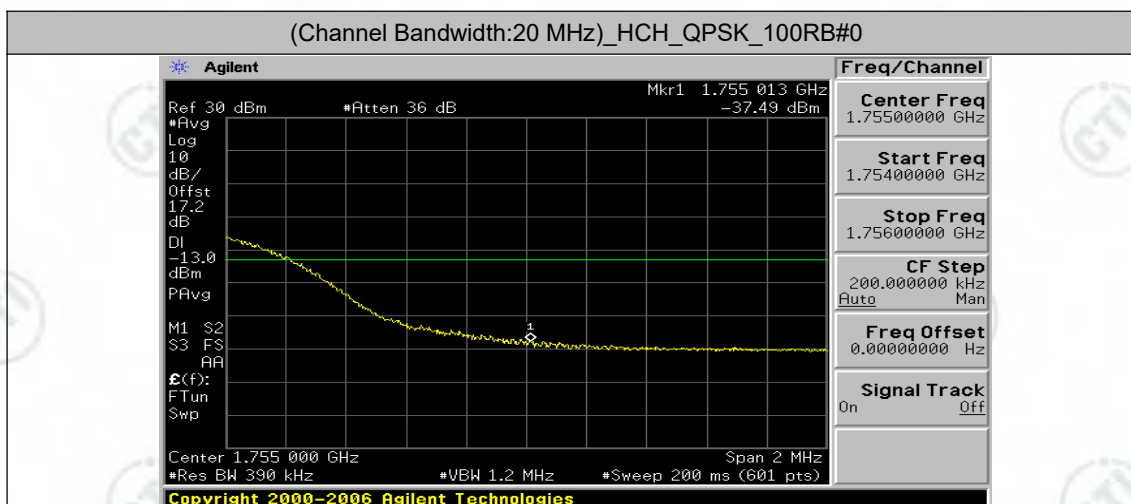


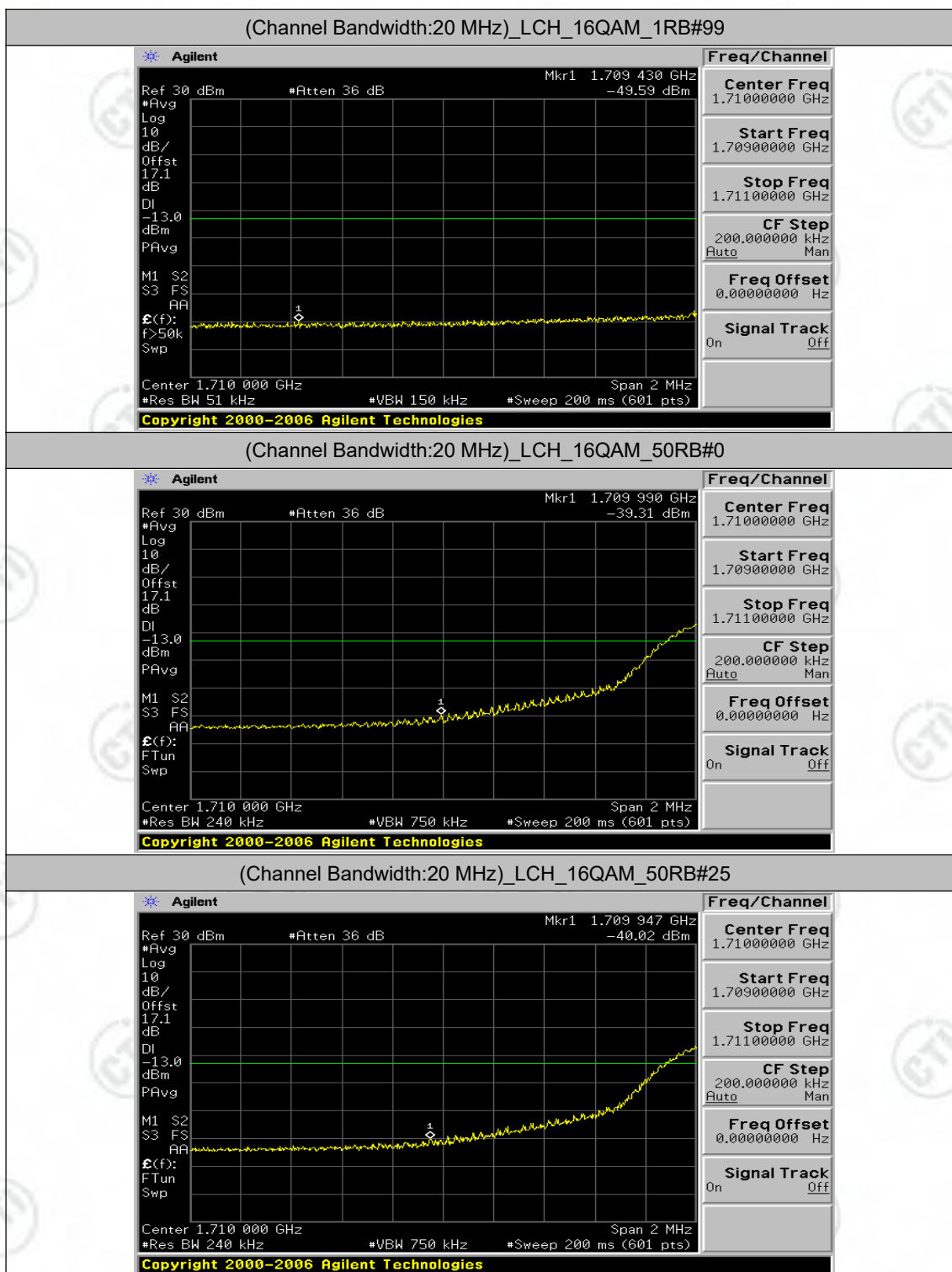


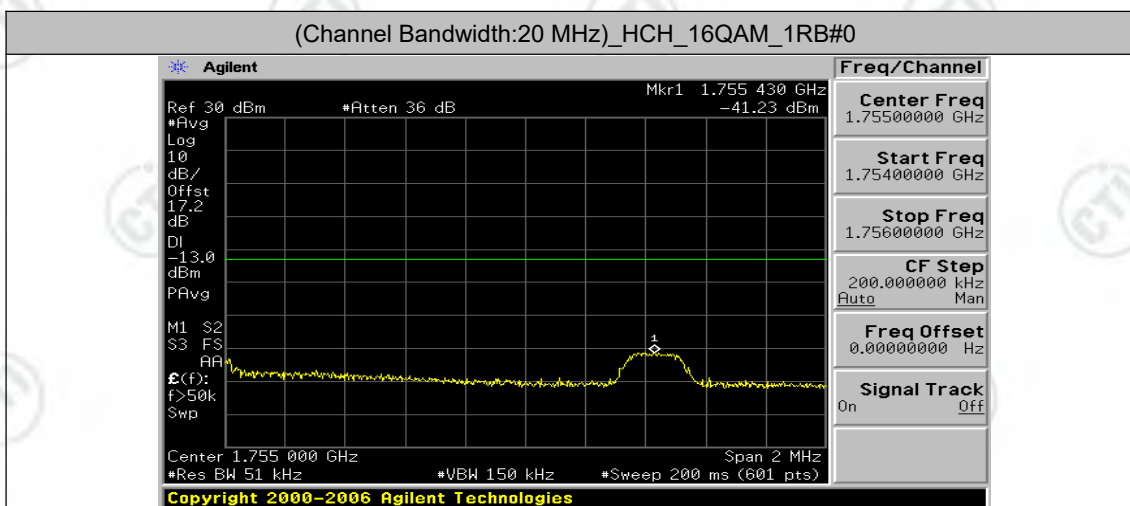
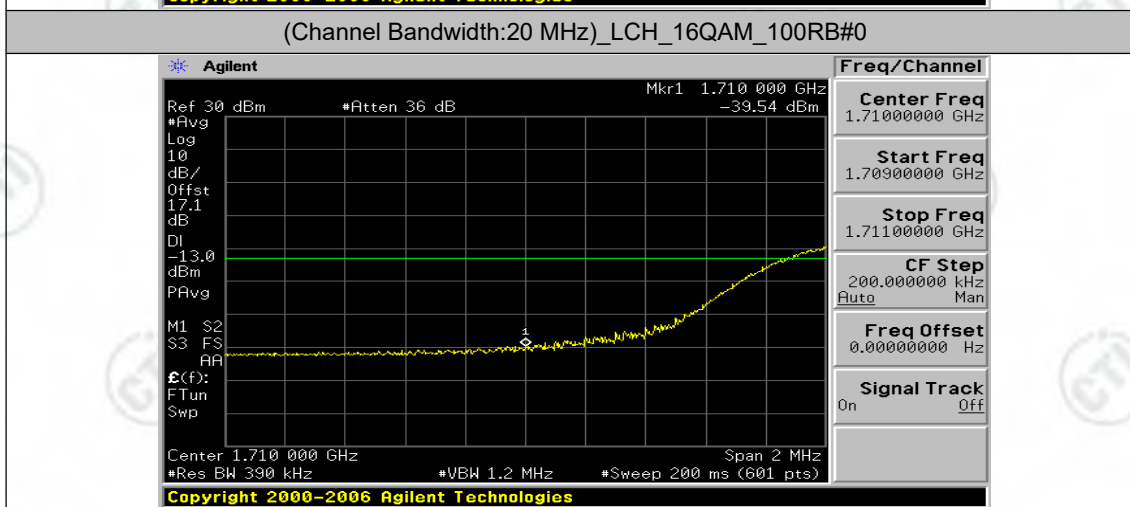
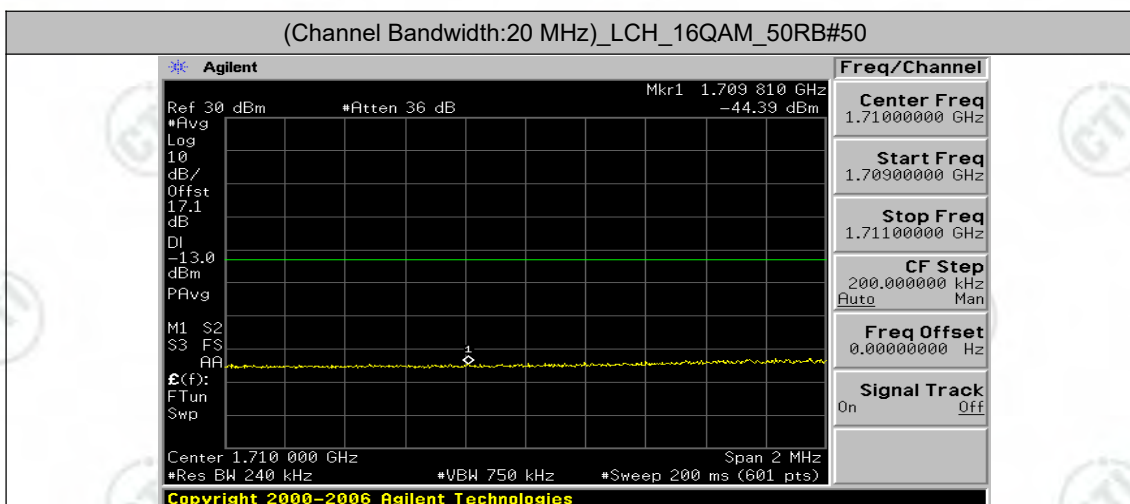




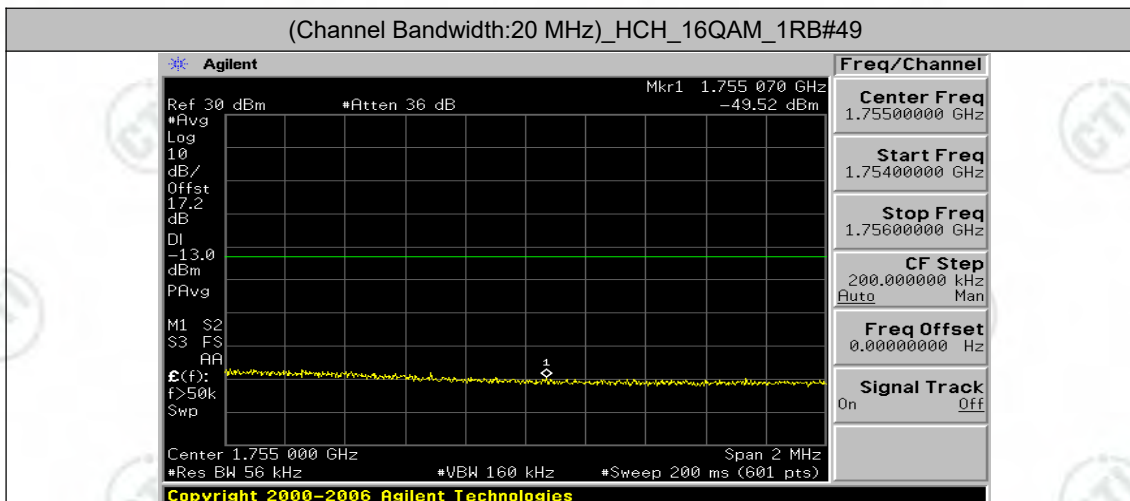




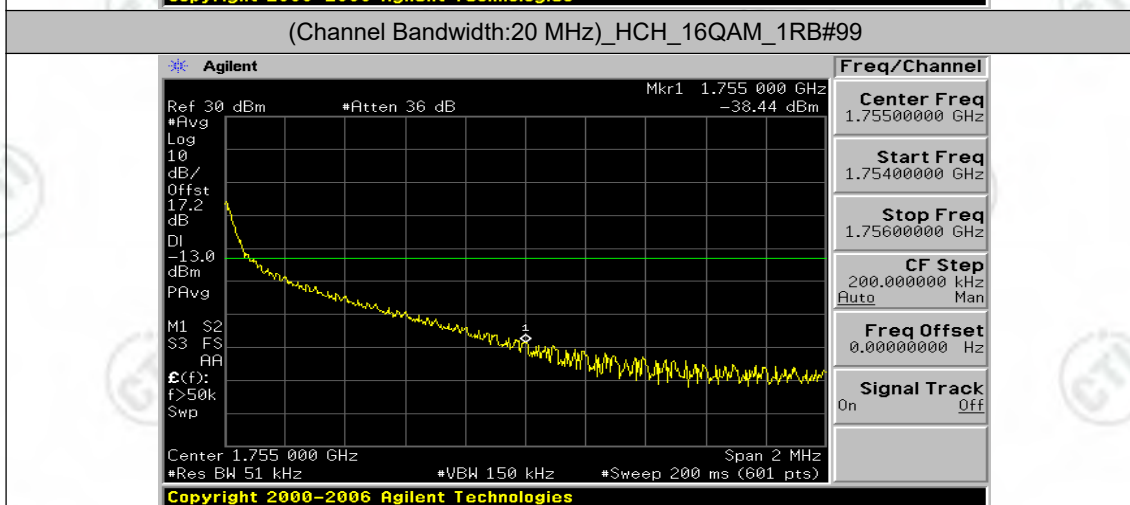




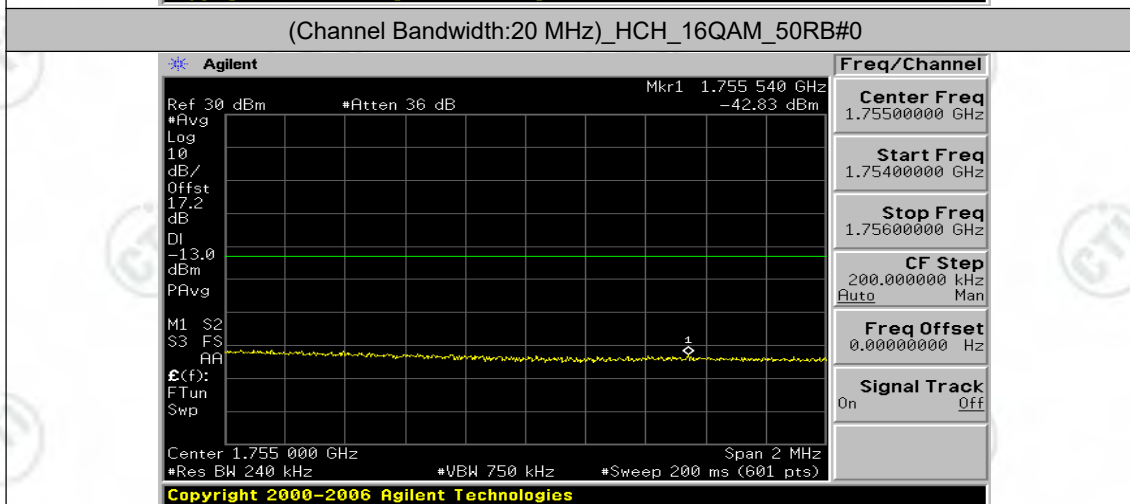
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49

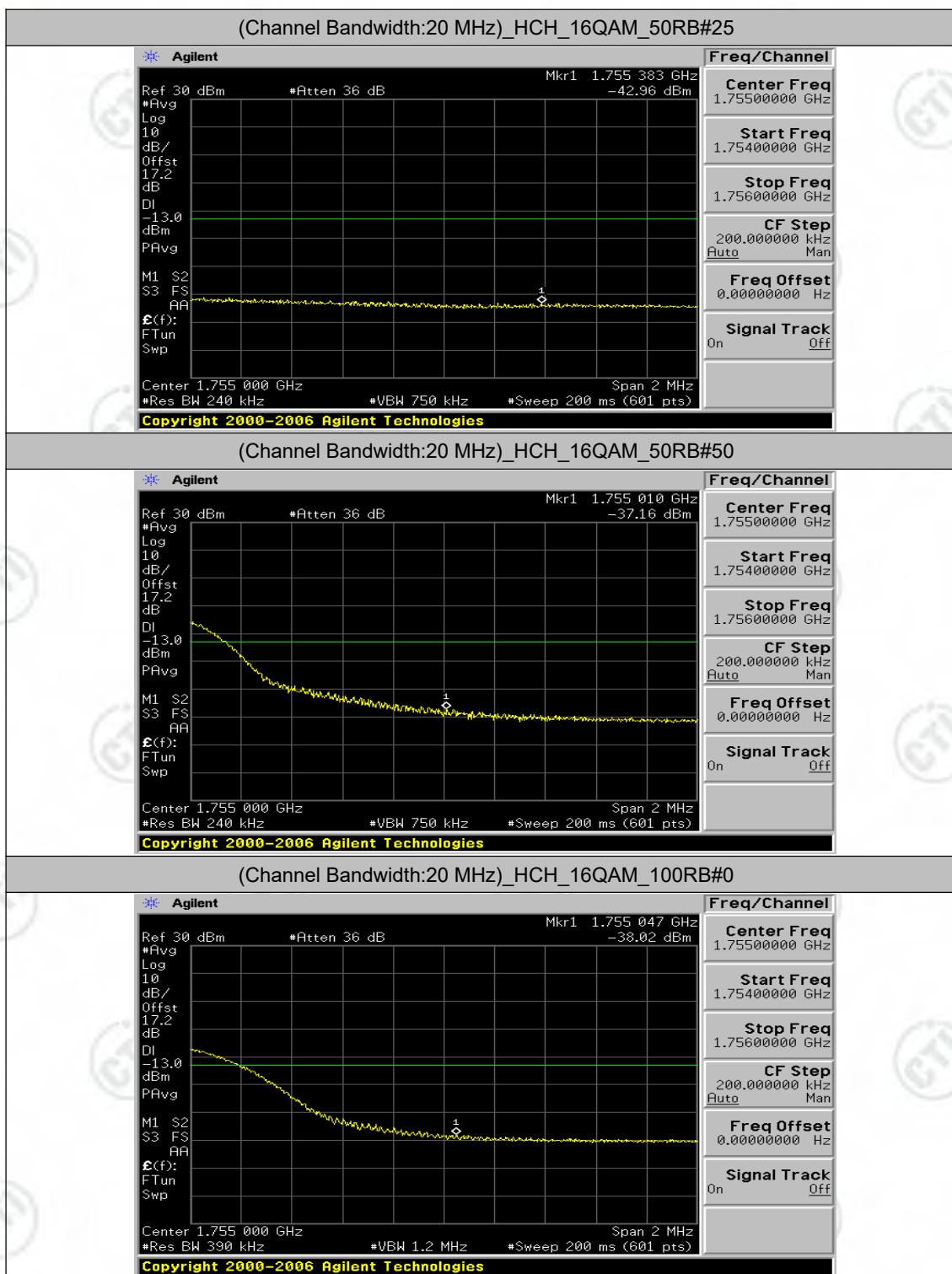


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0





Appendix E: Conducted Spurious Emission

Test Graphs

Channel Bandwidth: 1.4 MHz

