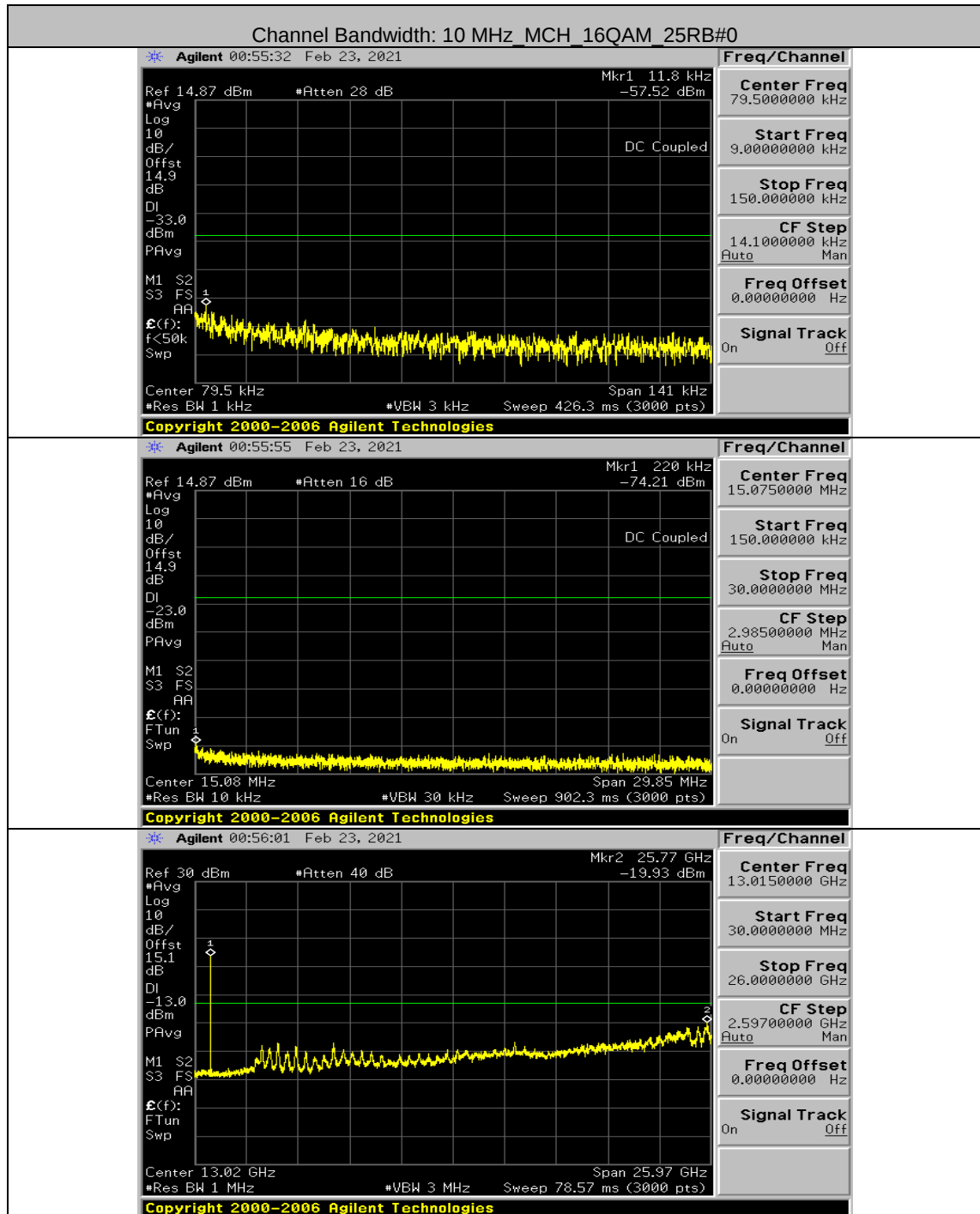
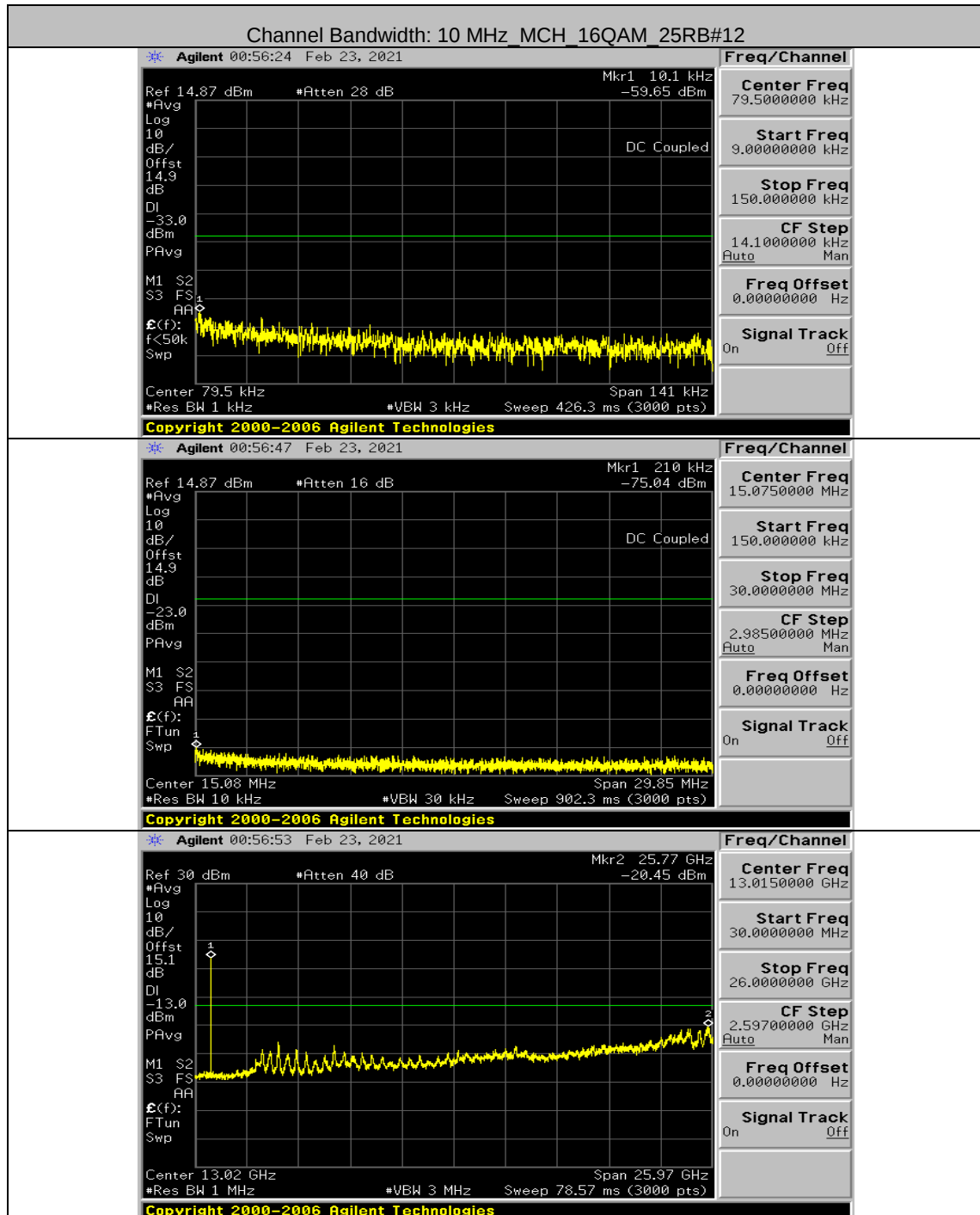
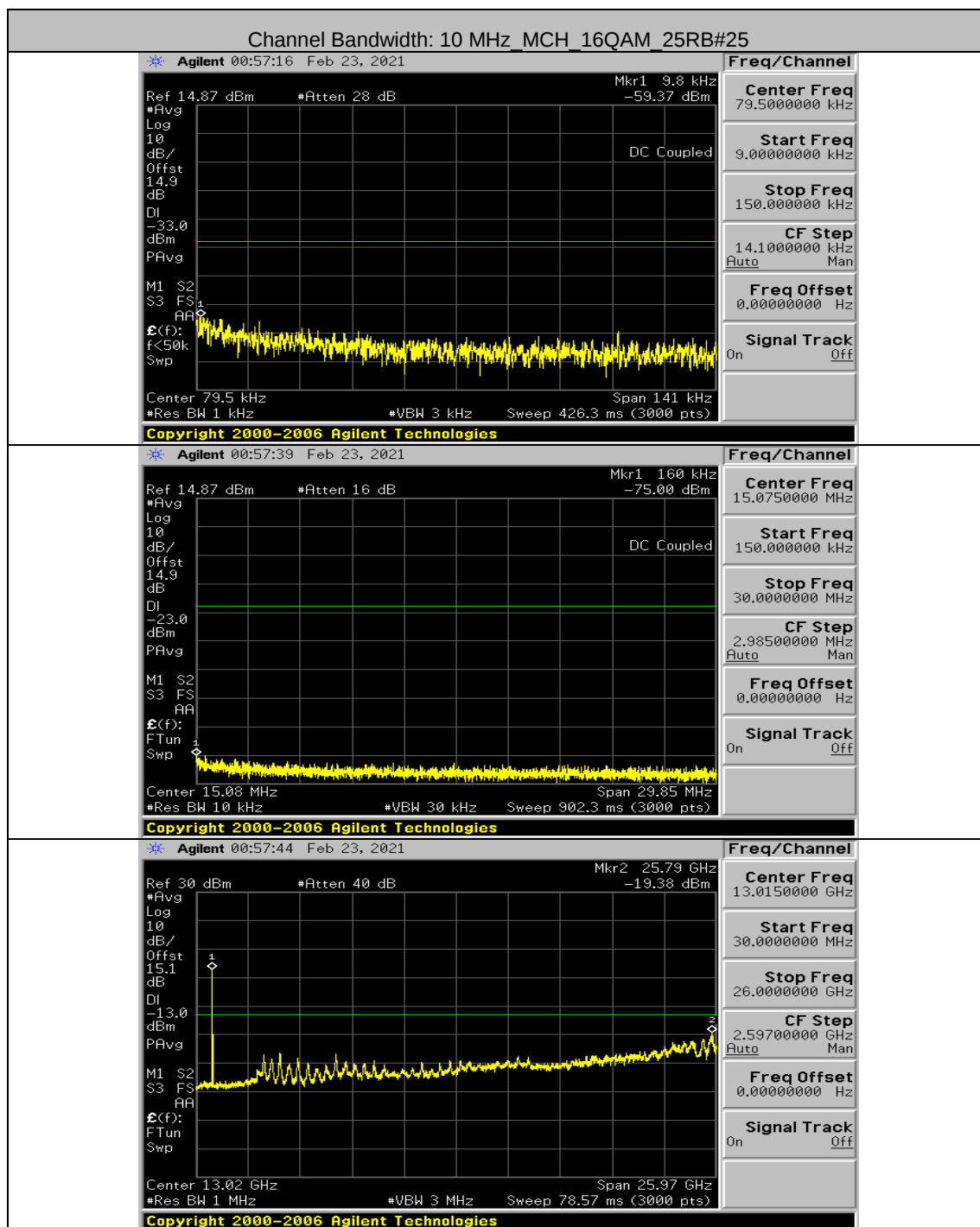
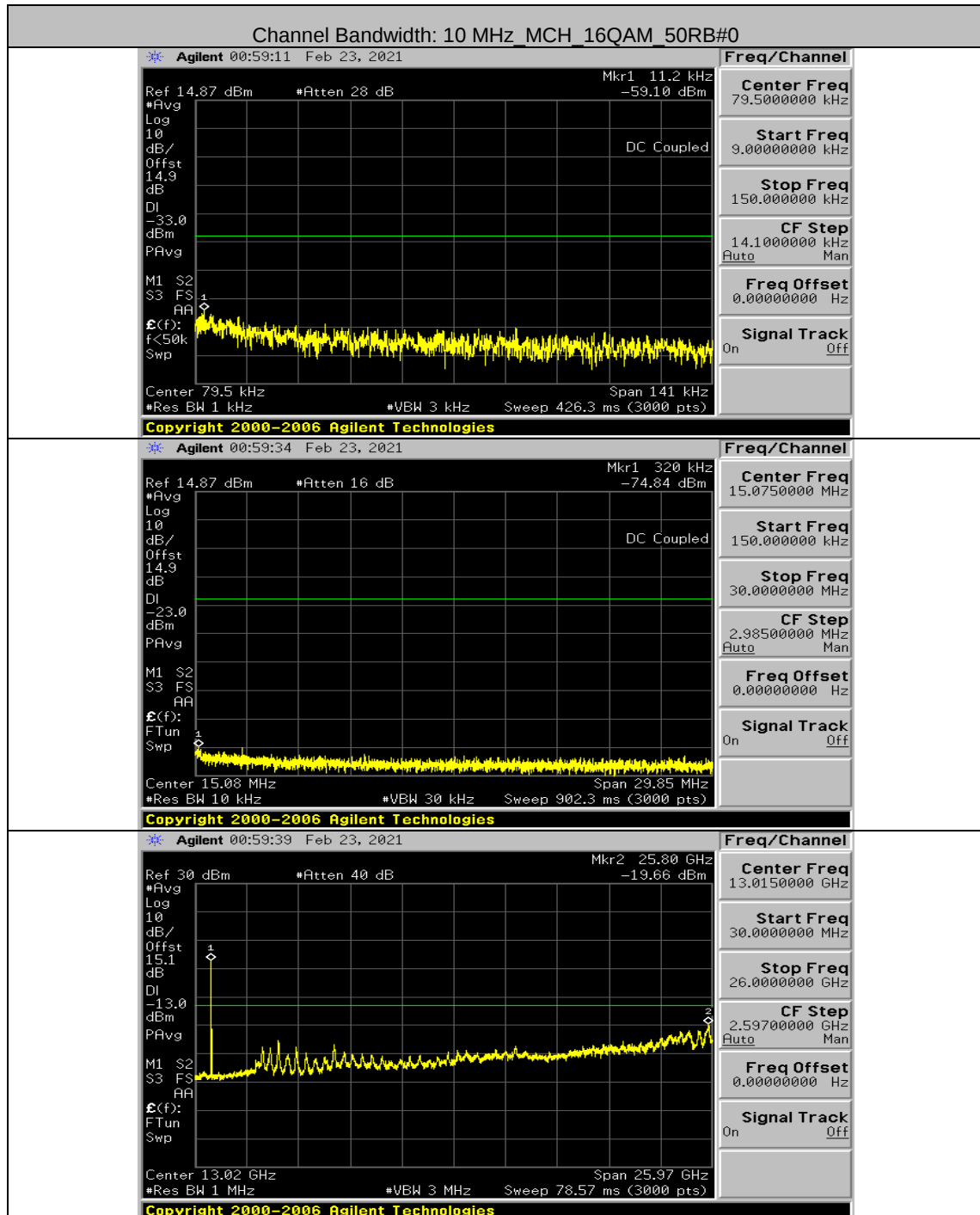
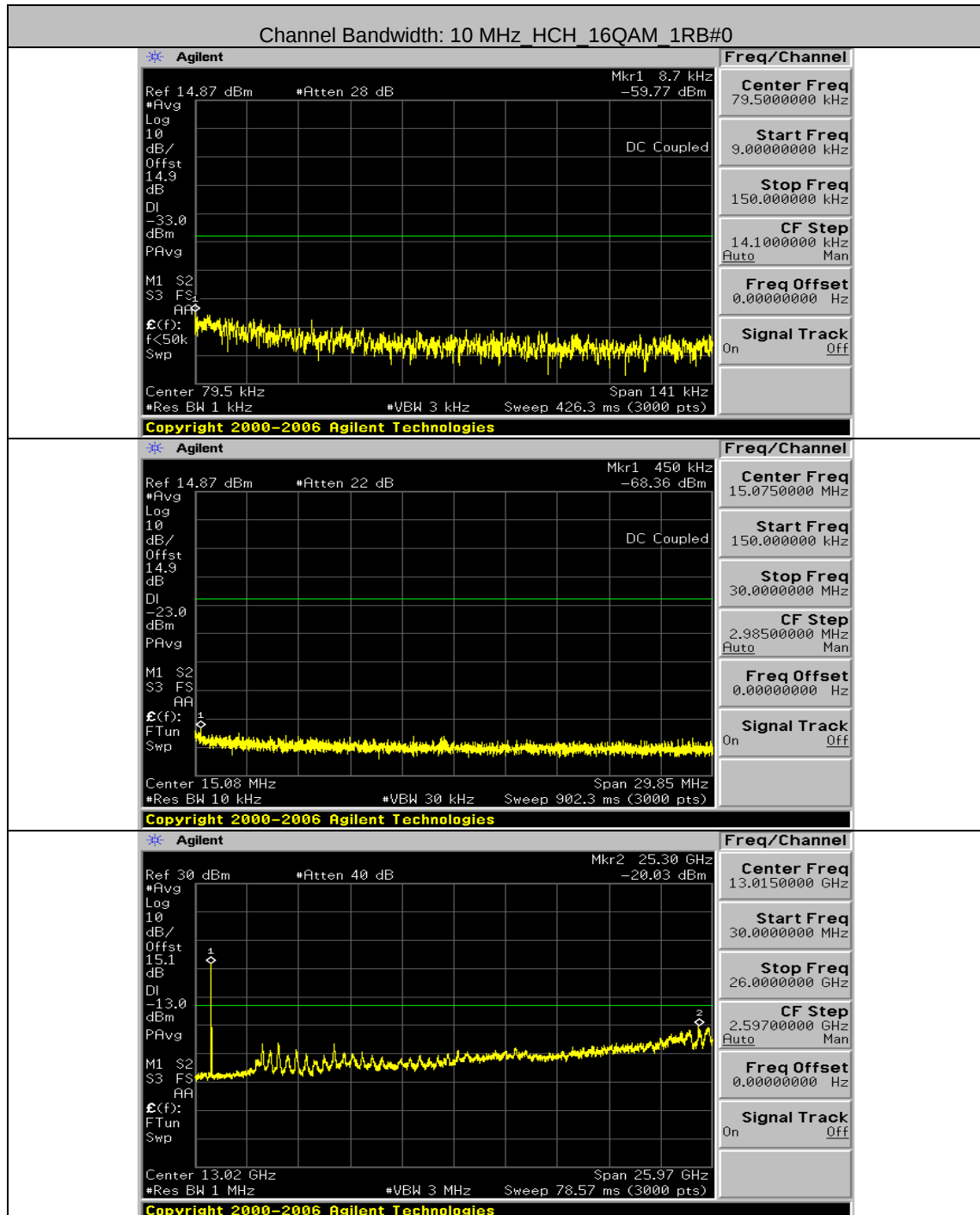


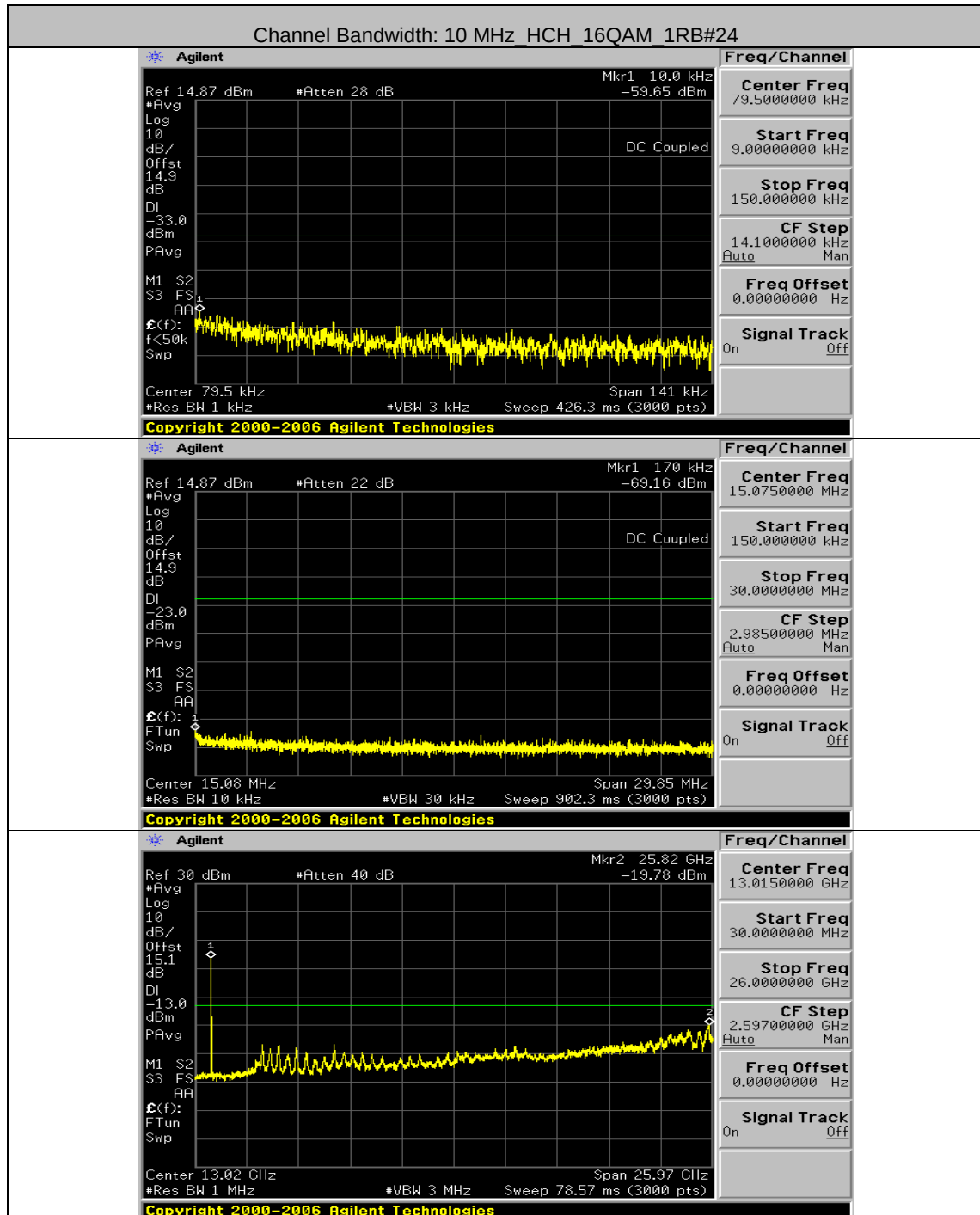


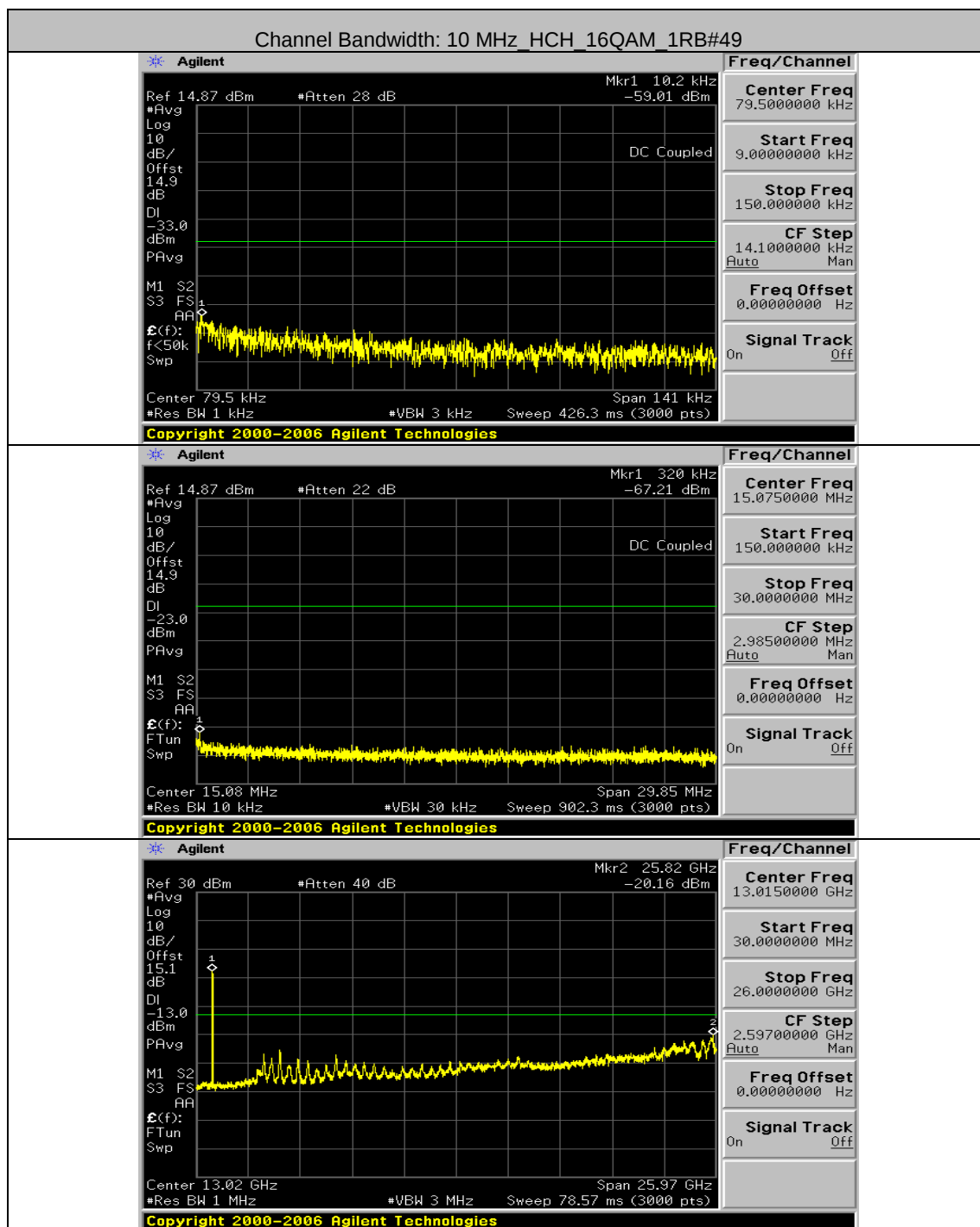


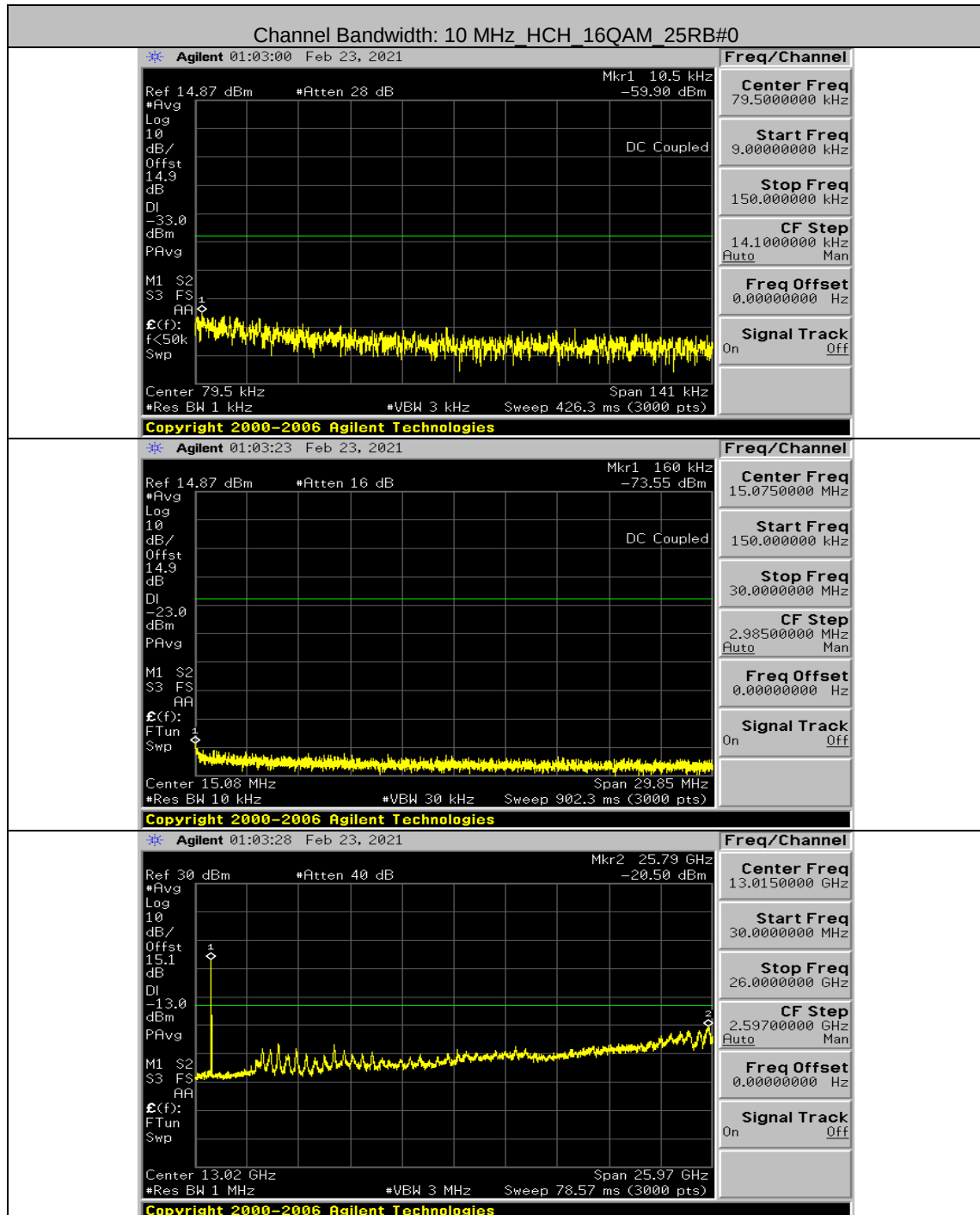


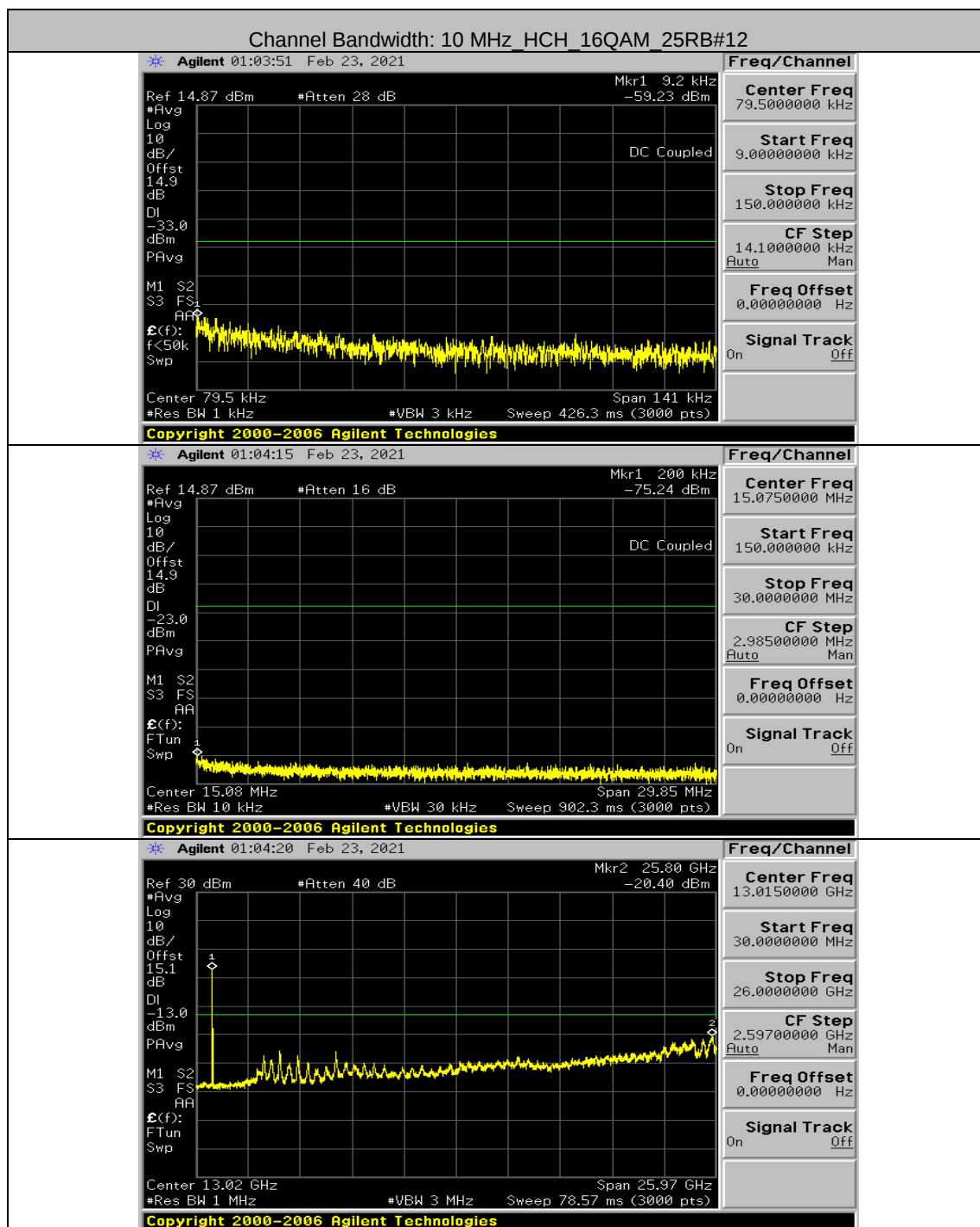


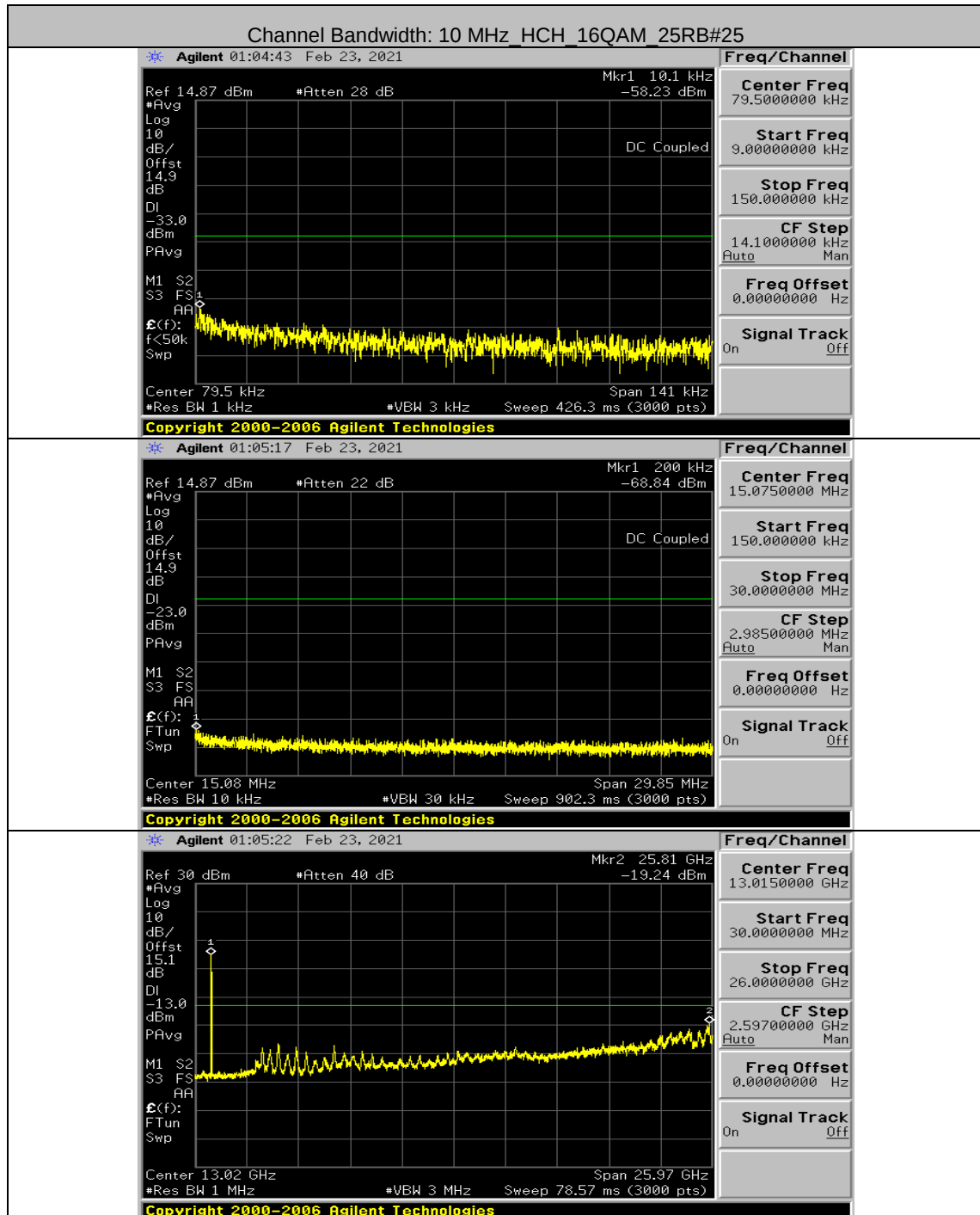


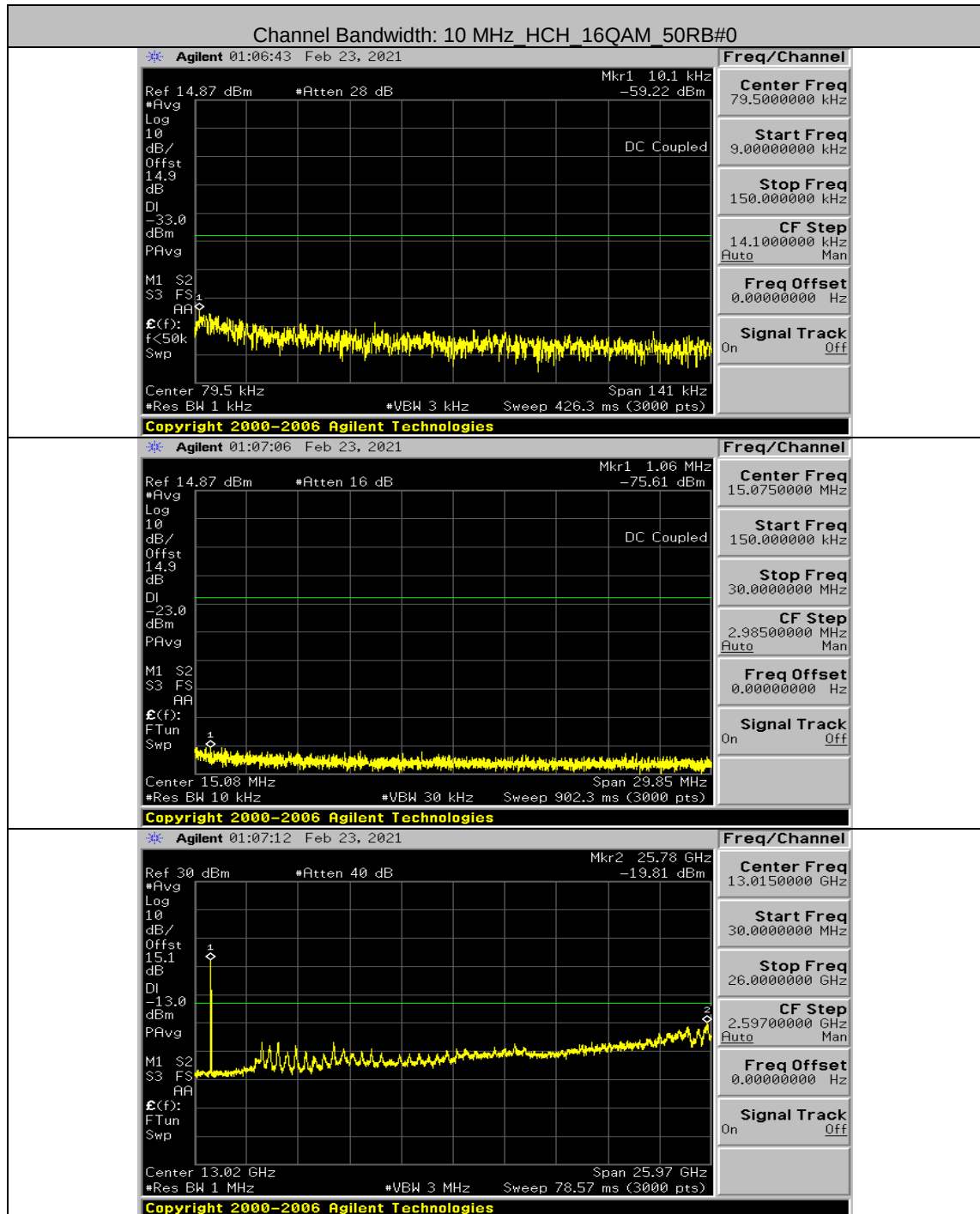








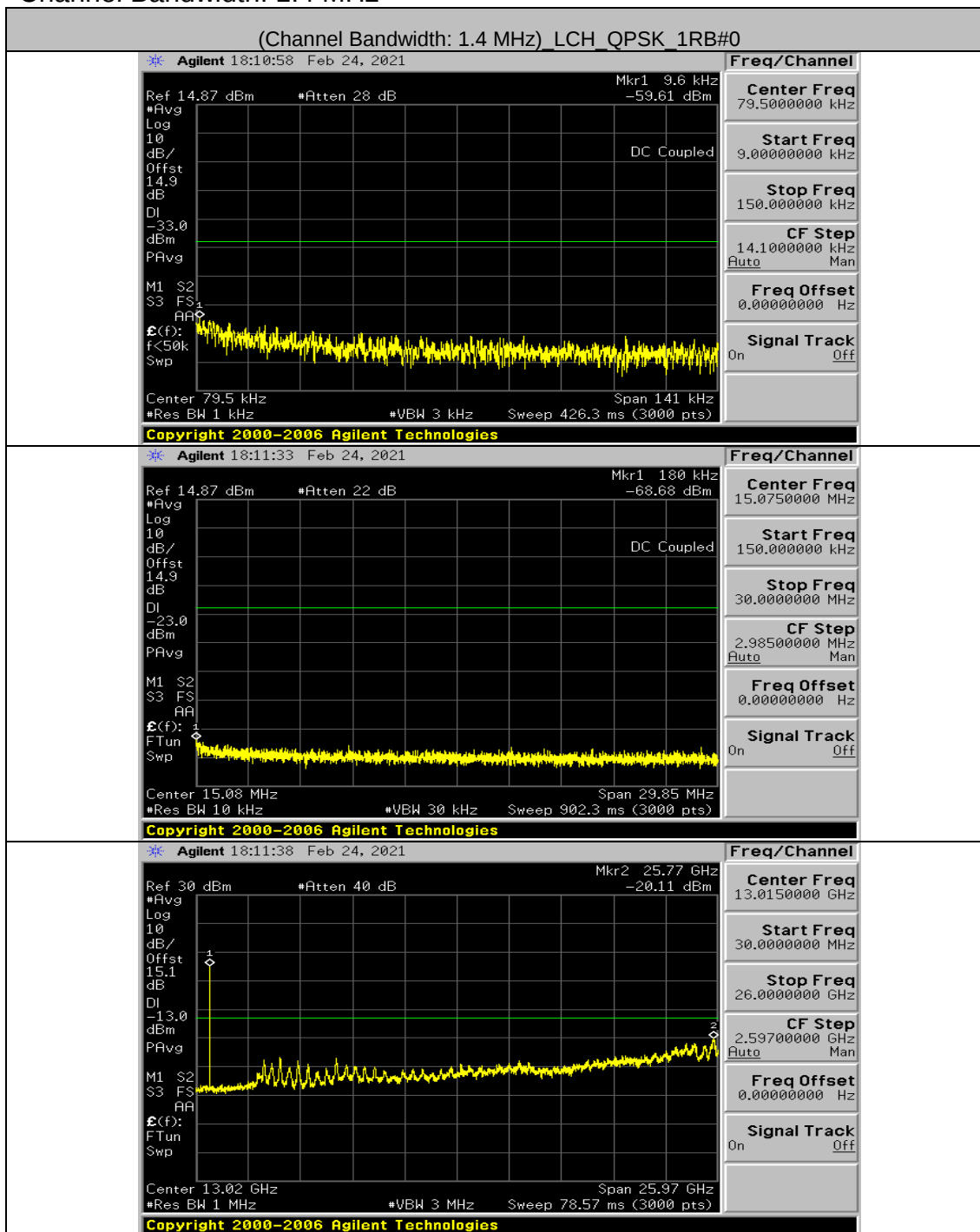


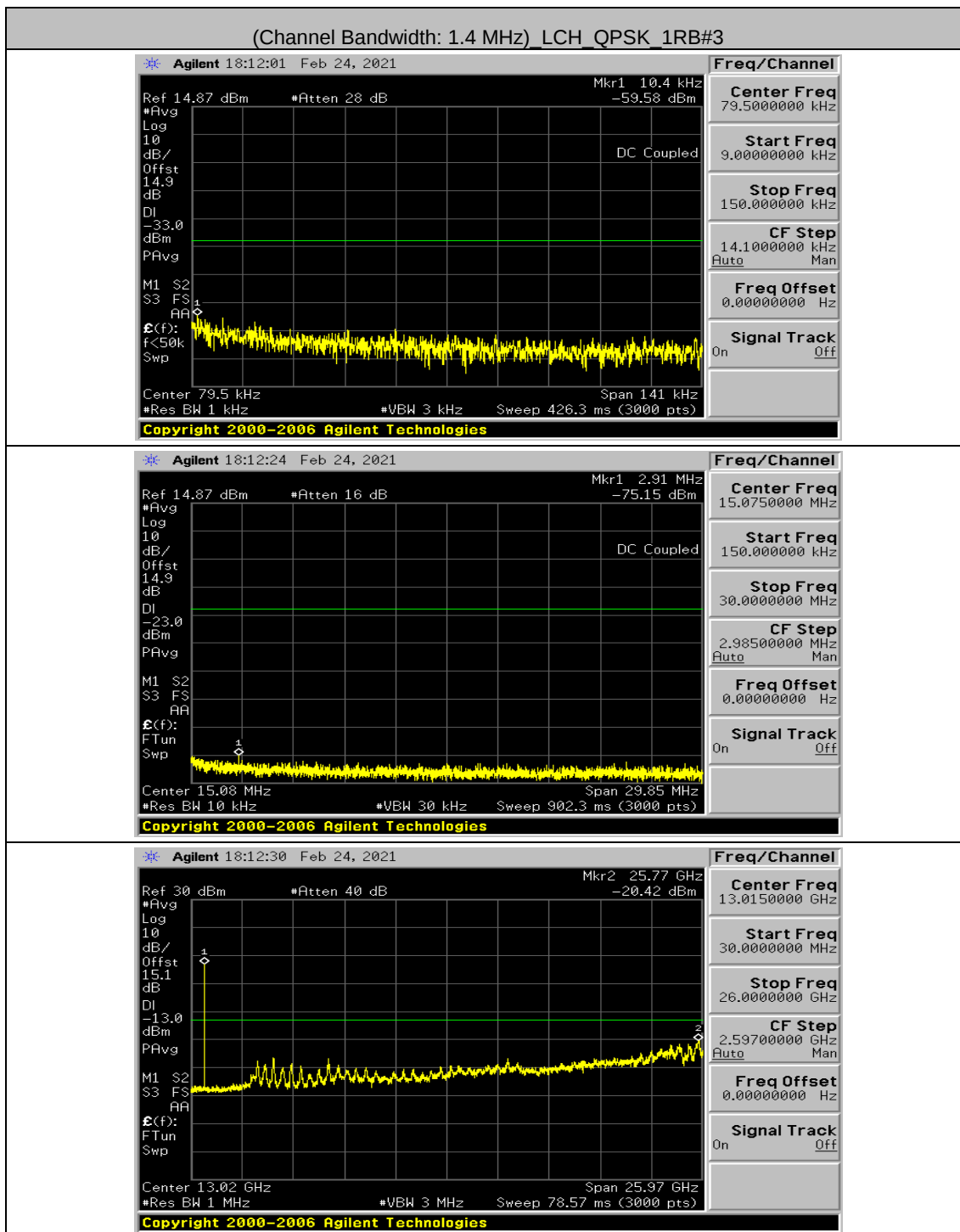


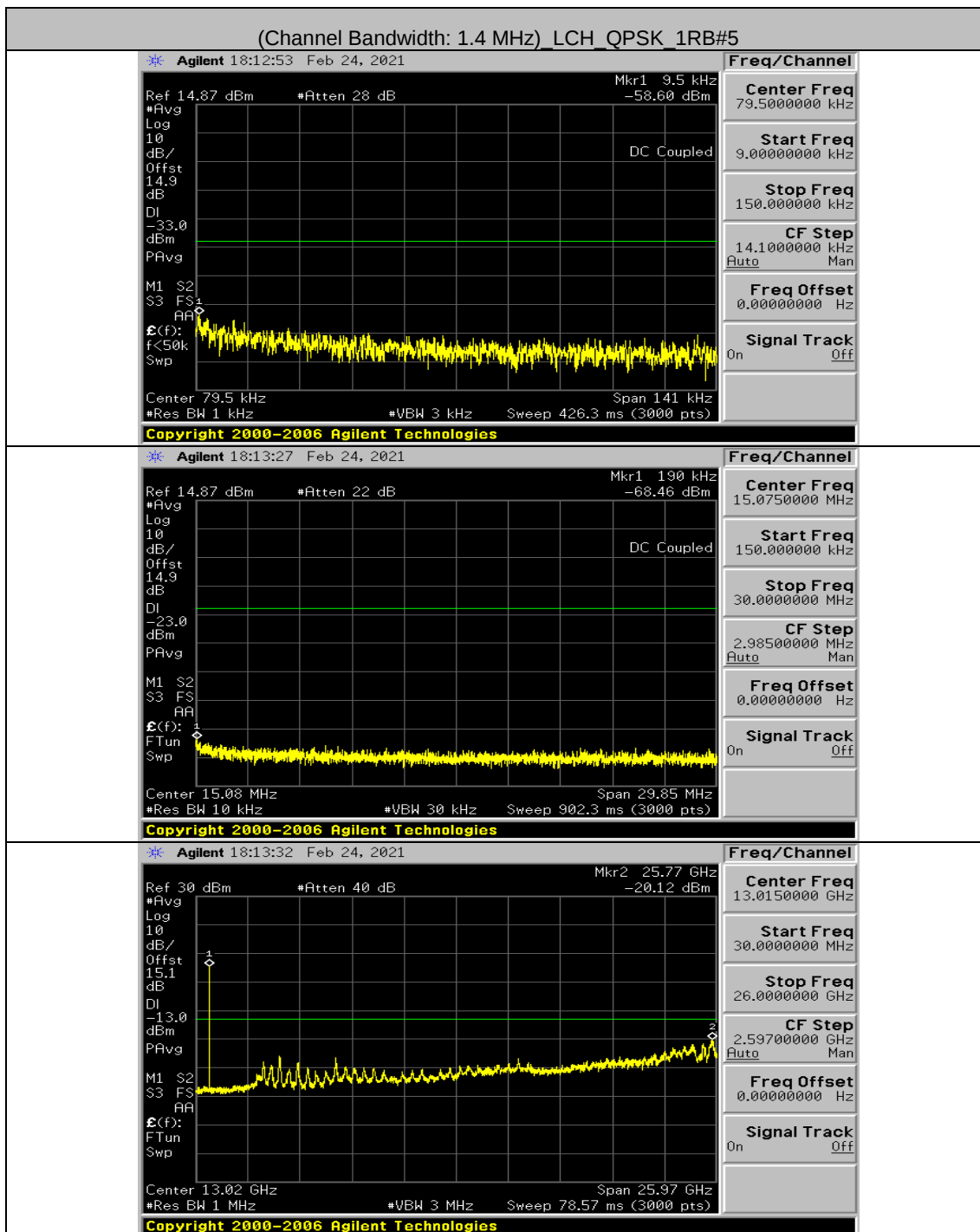
LTE Band 12

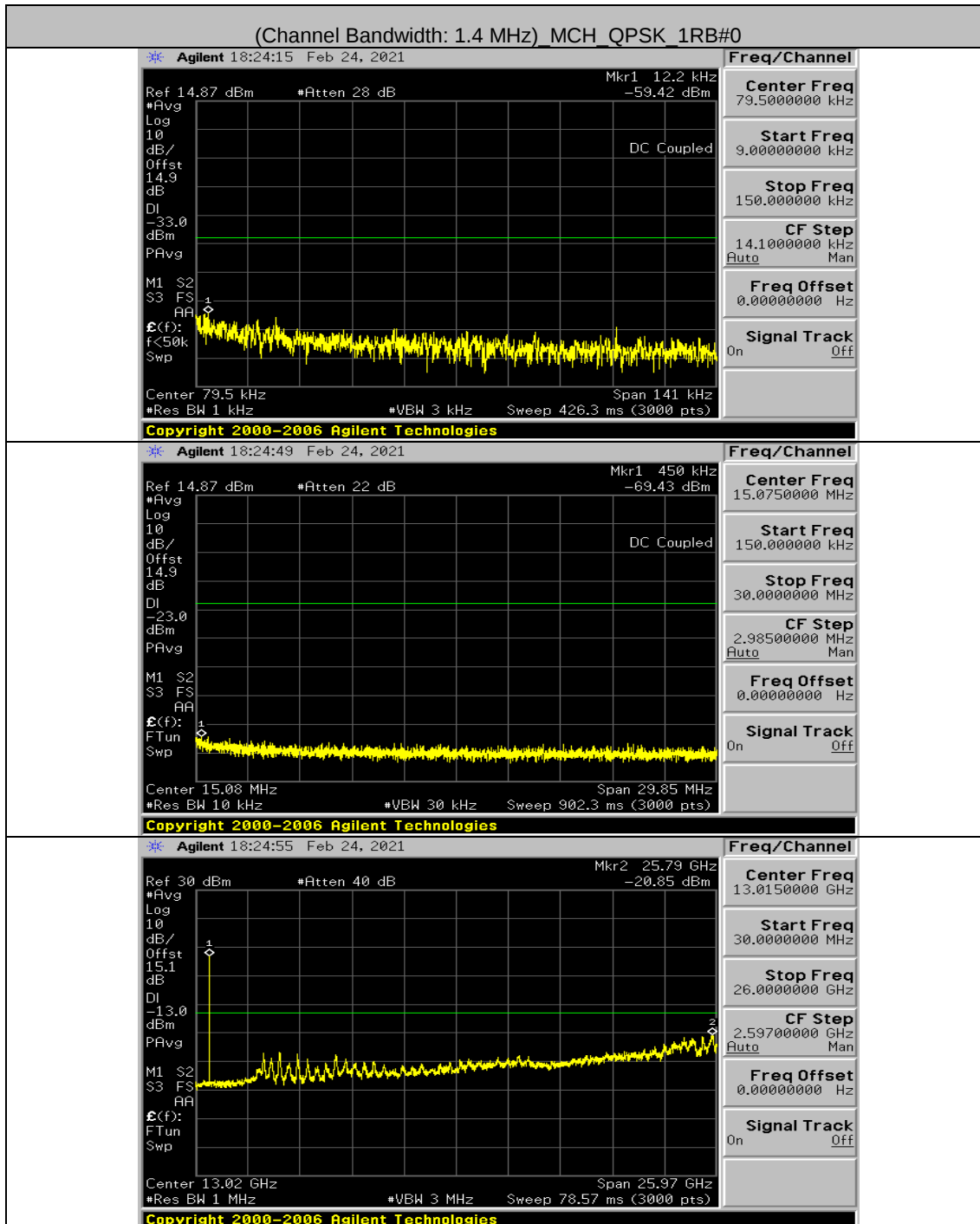
Test Graphs:

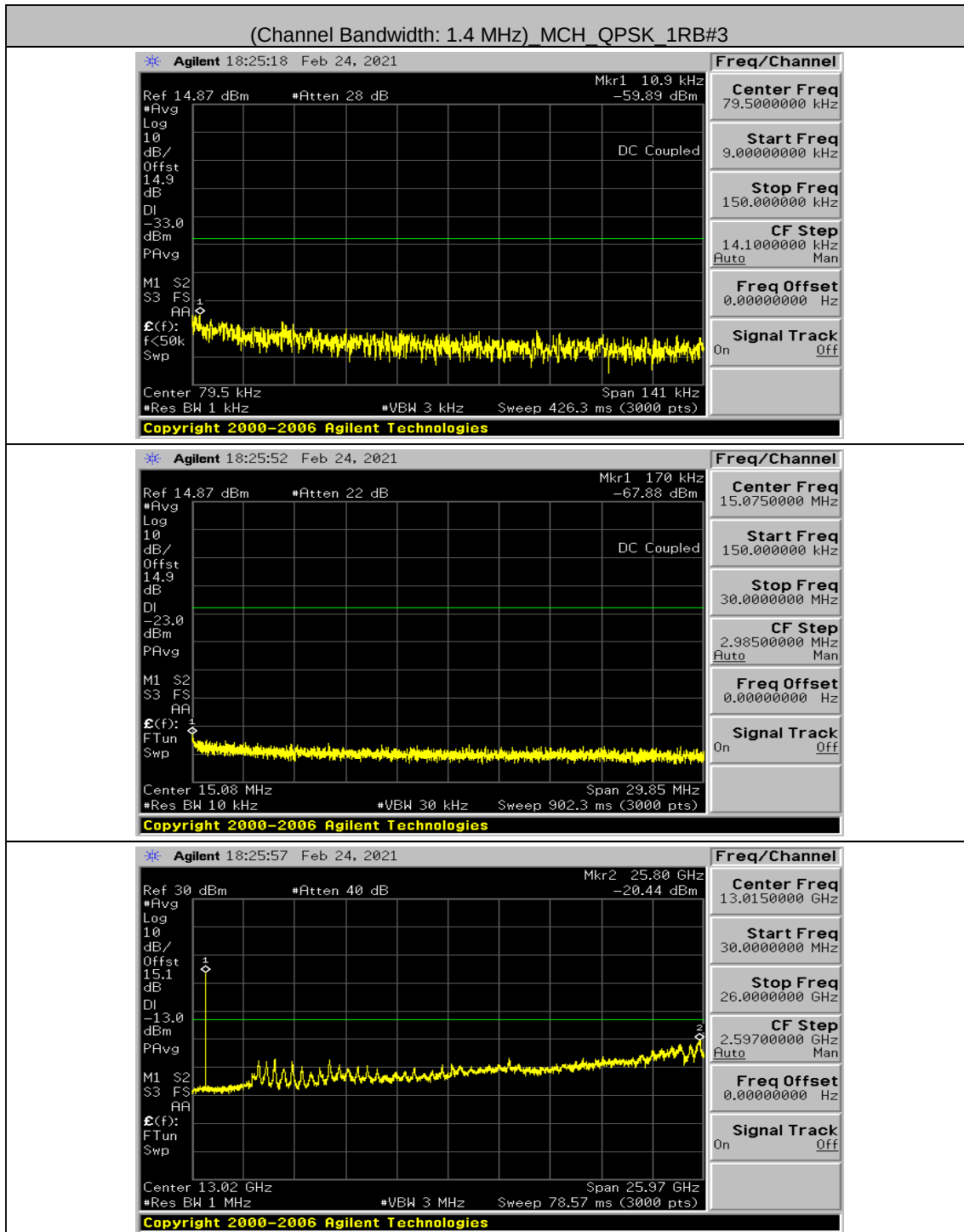
Channel Bandwidth: 1.4 MHz

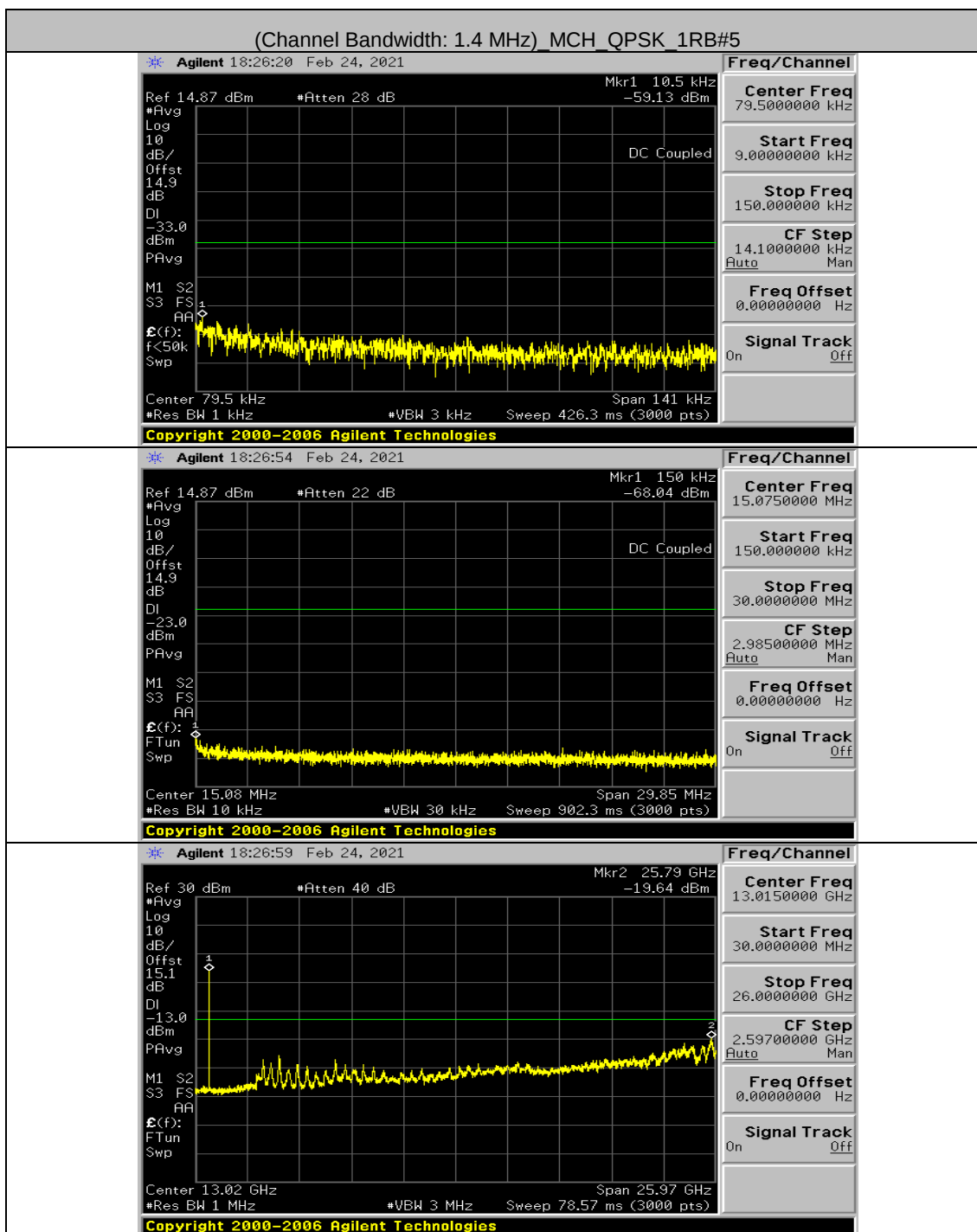


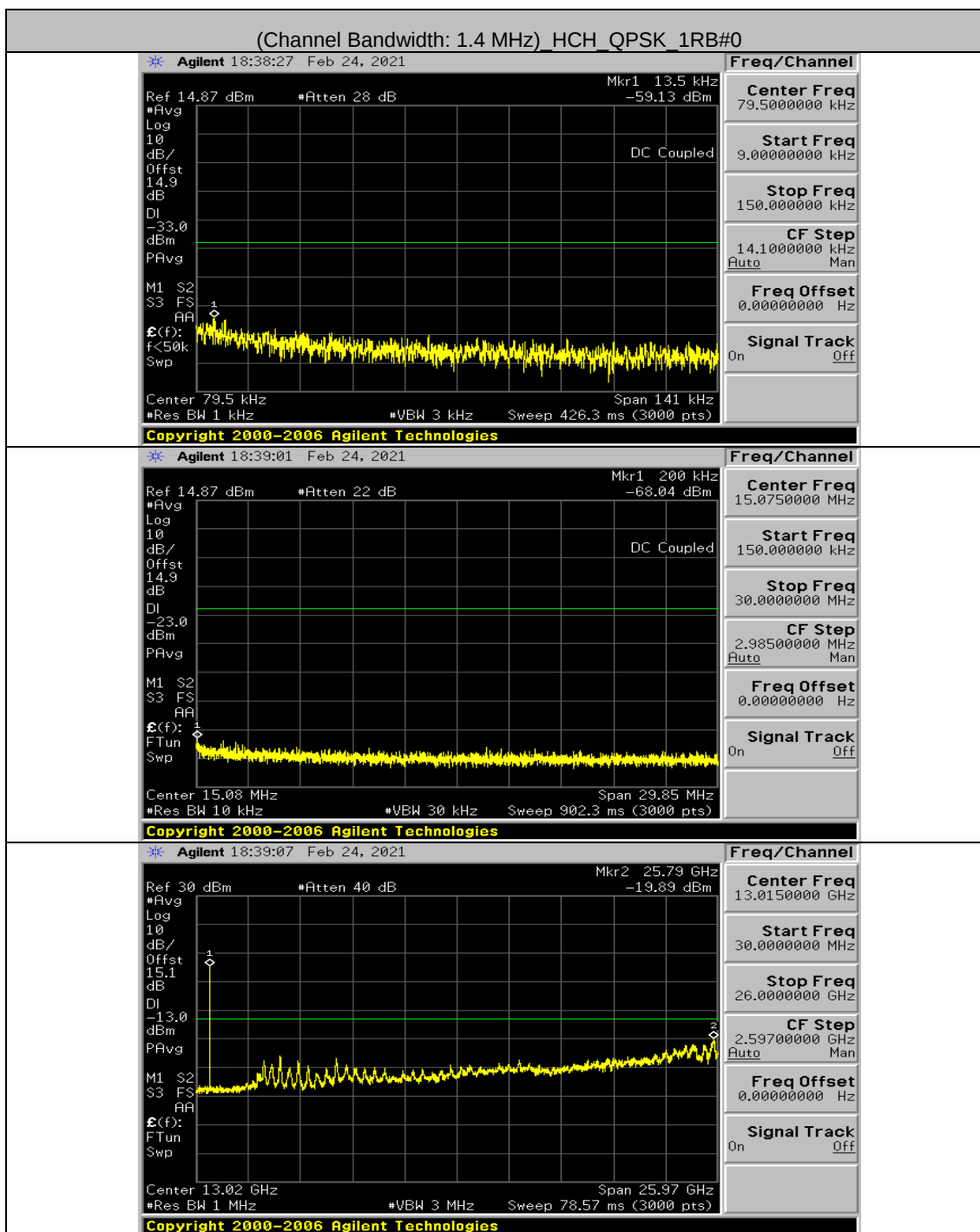


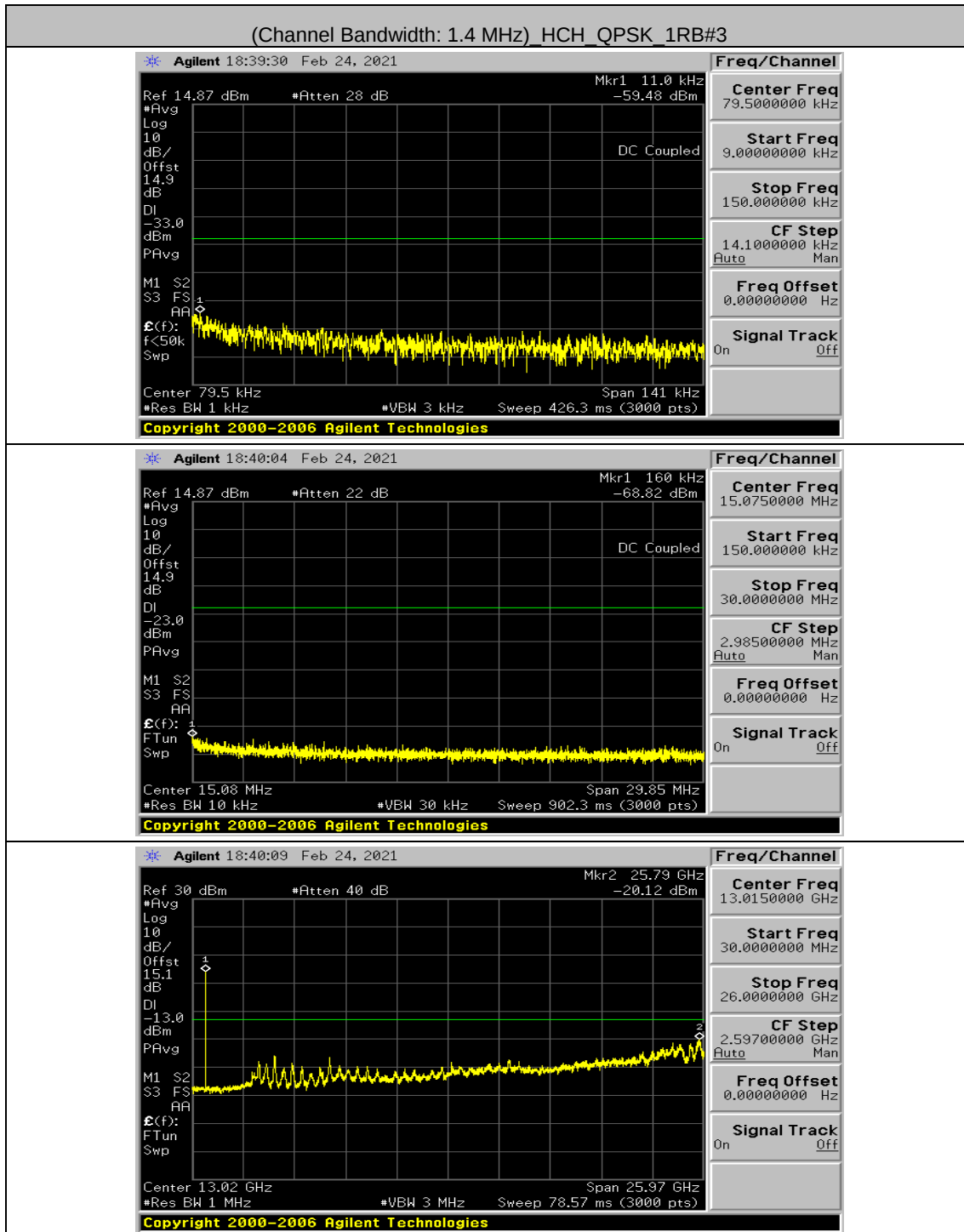


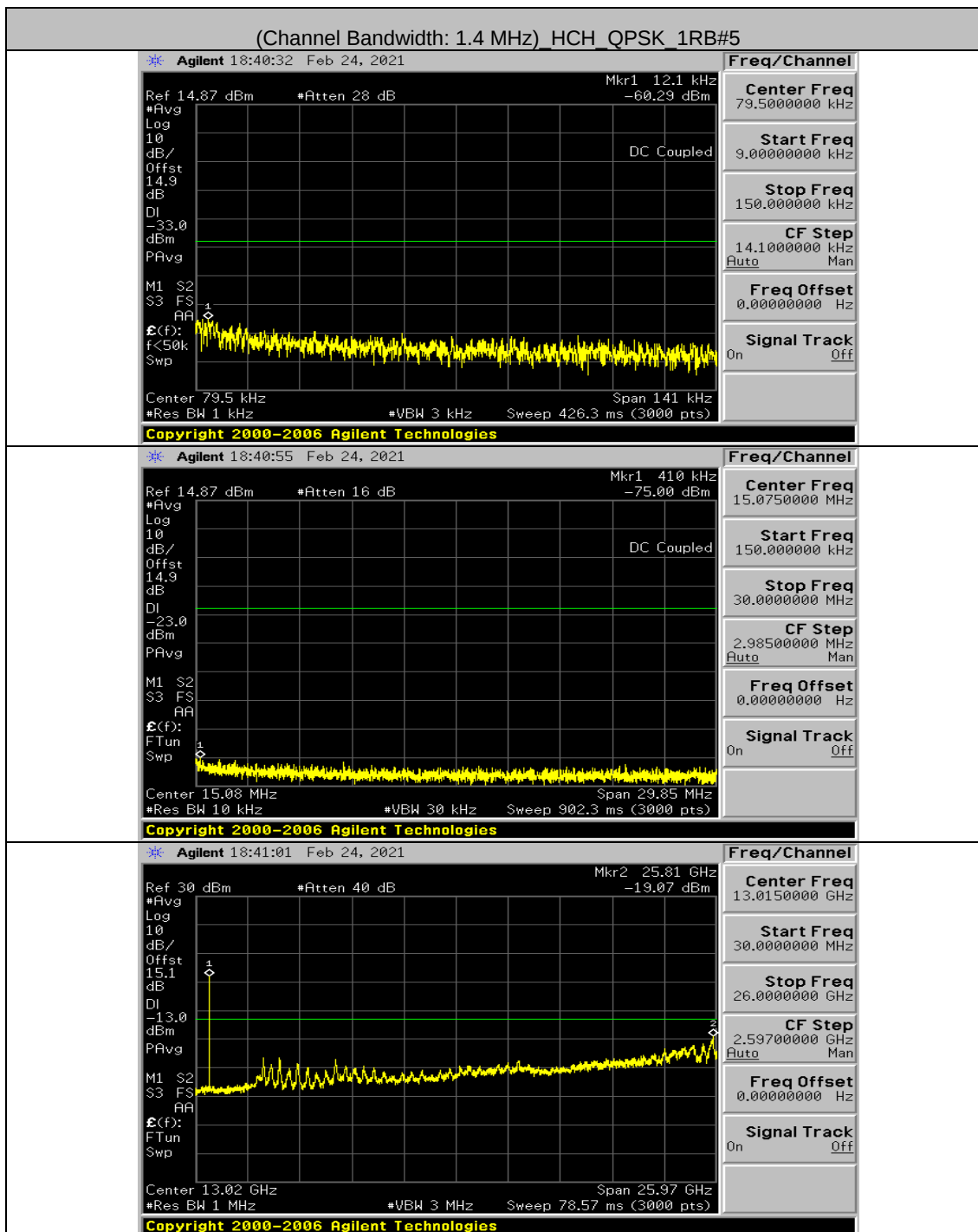


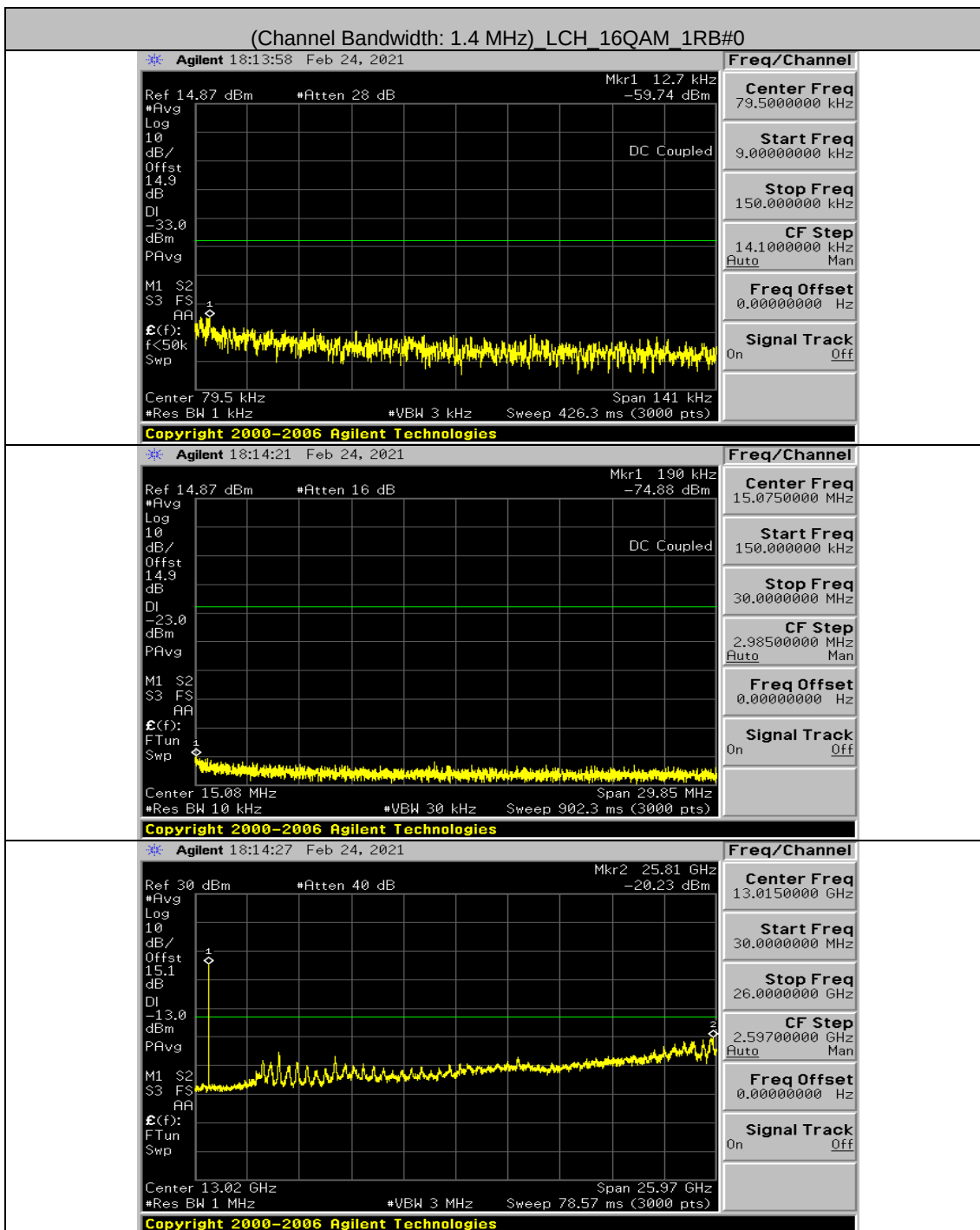


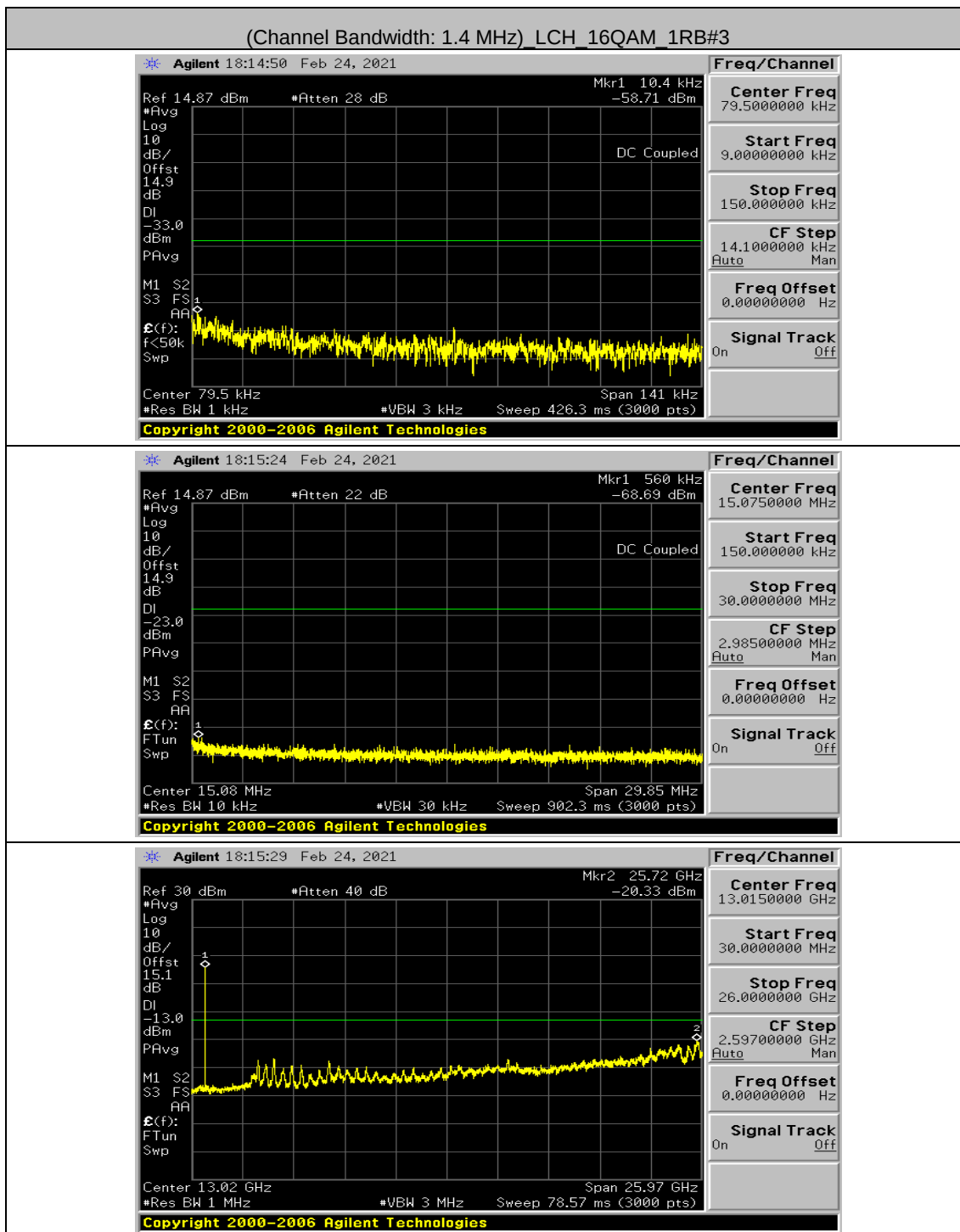


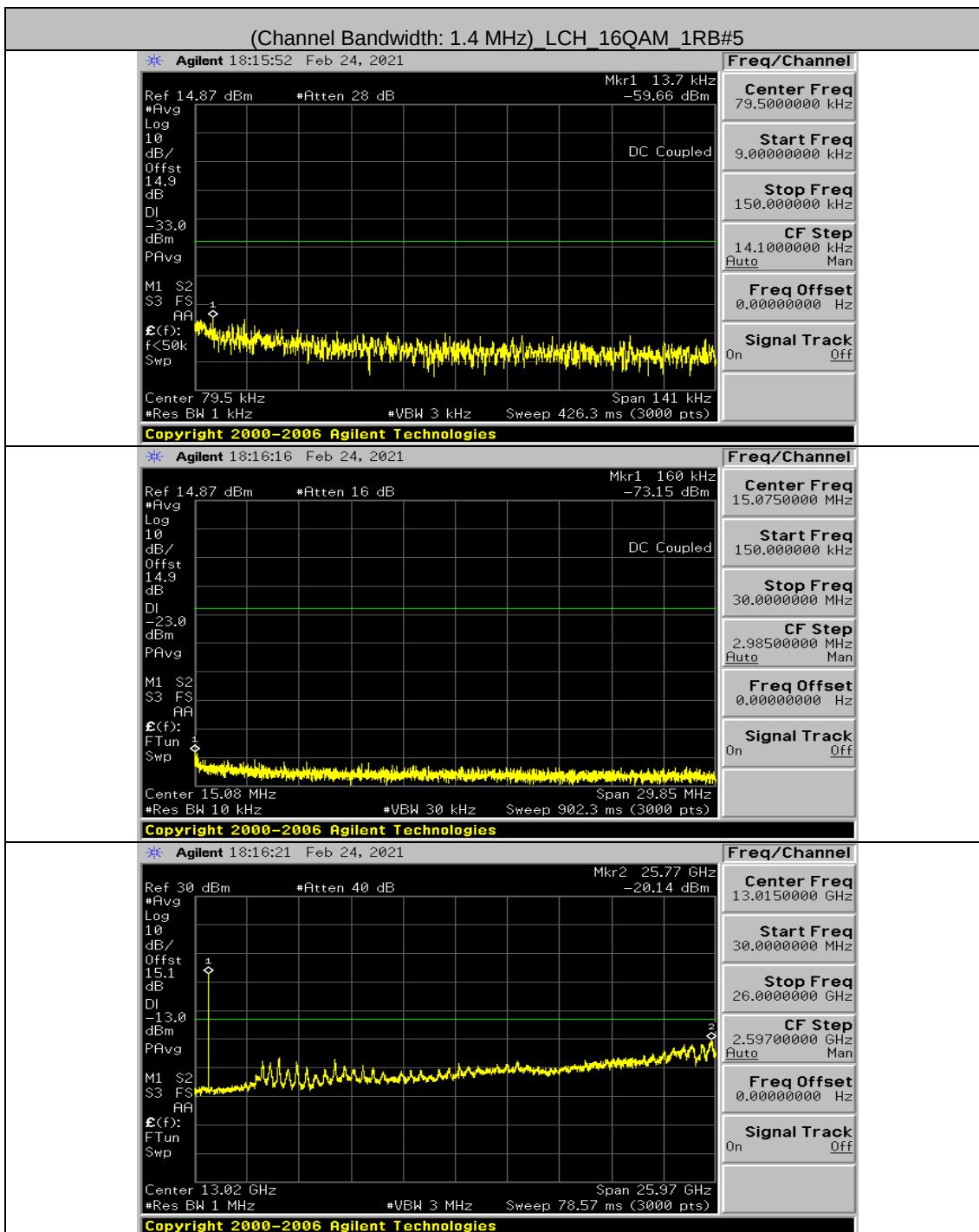


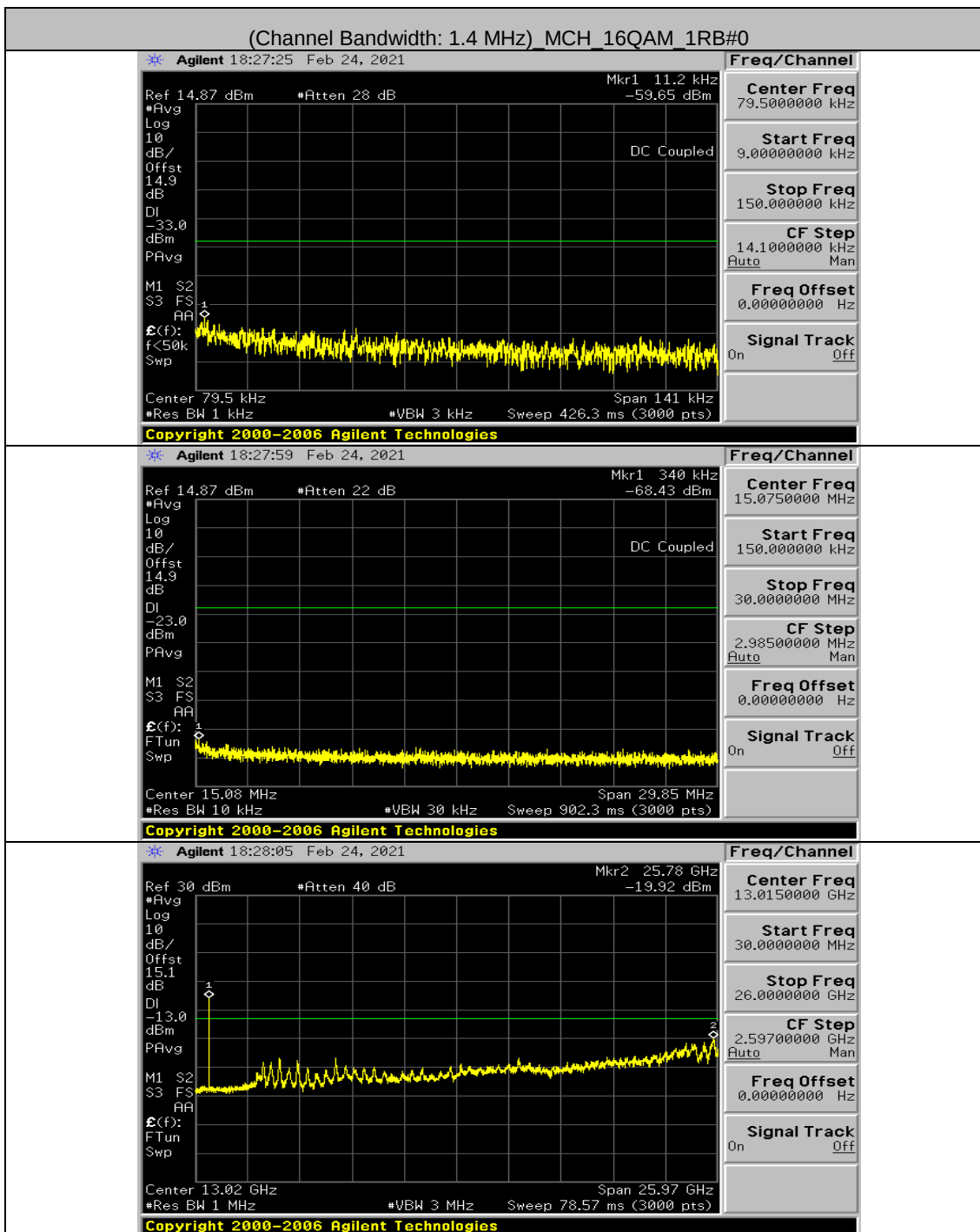


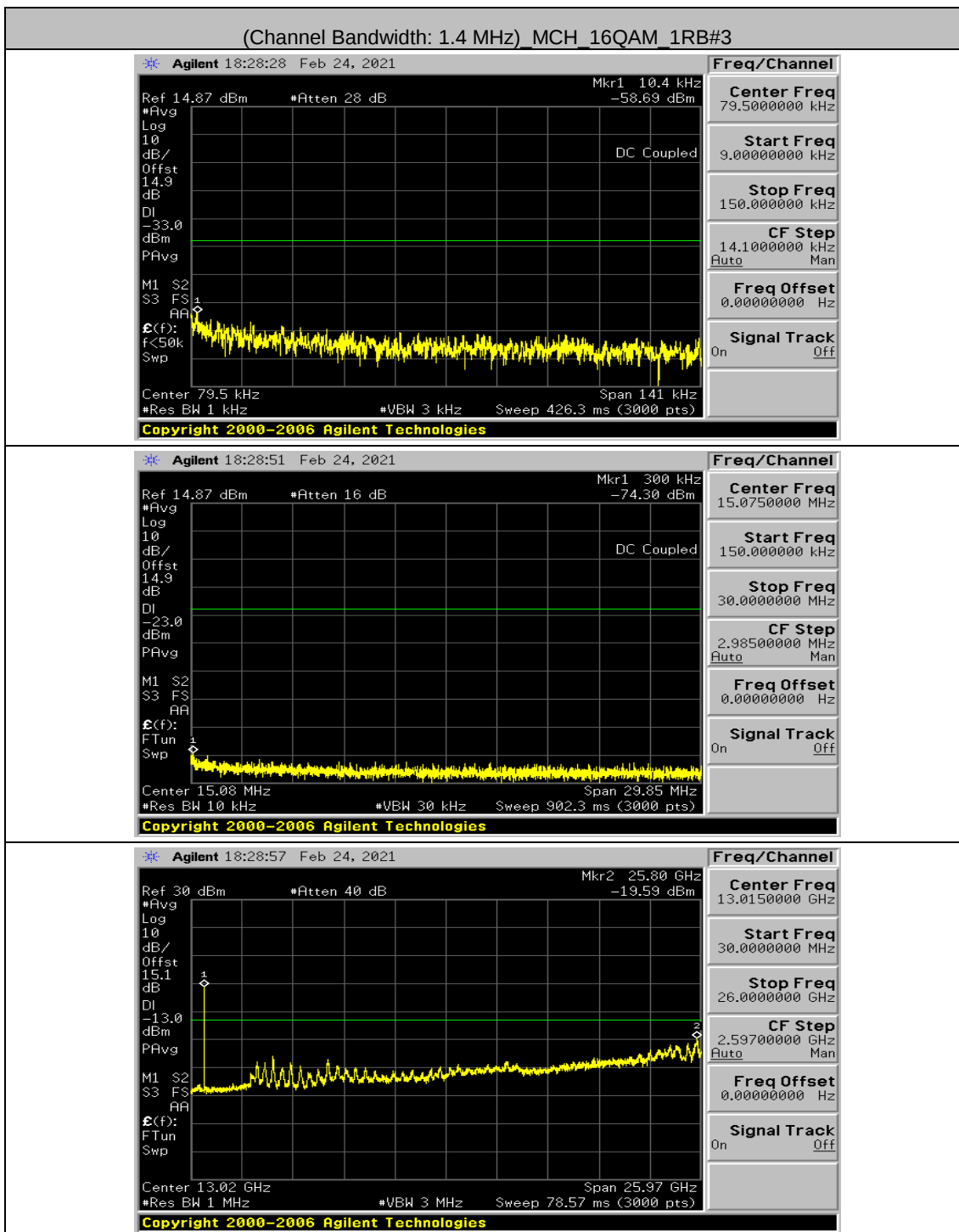


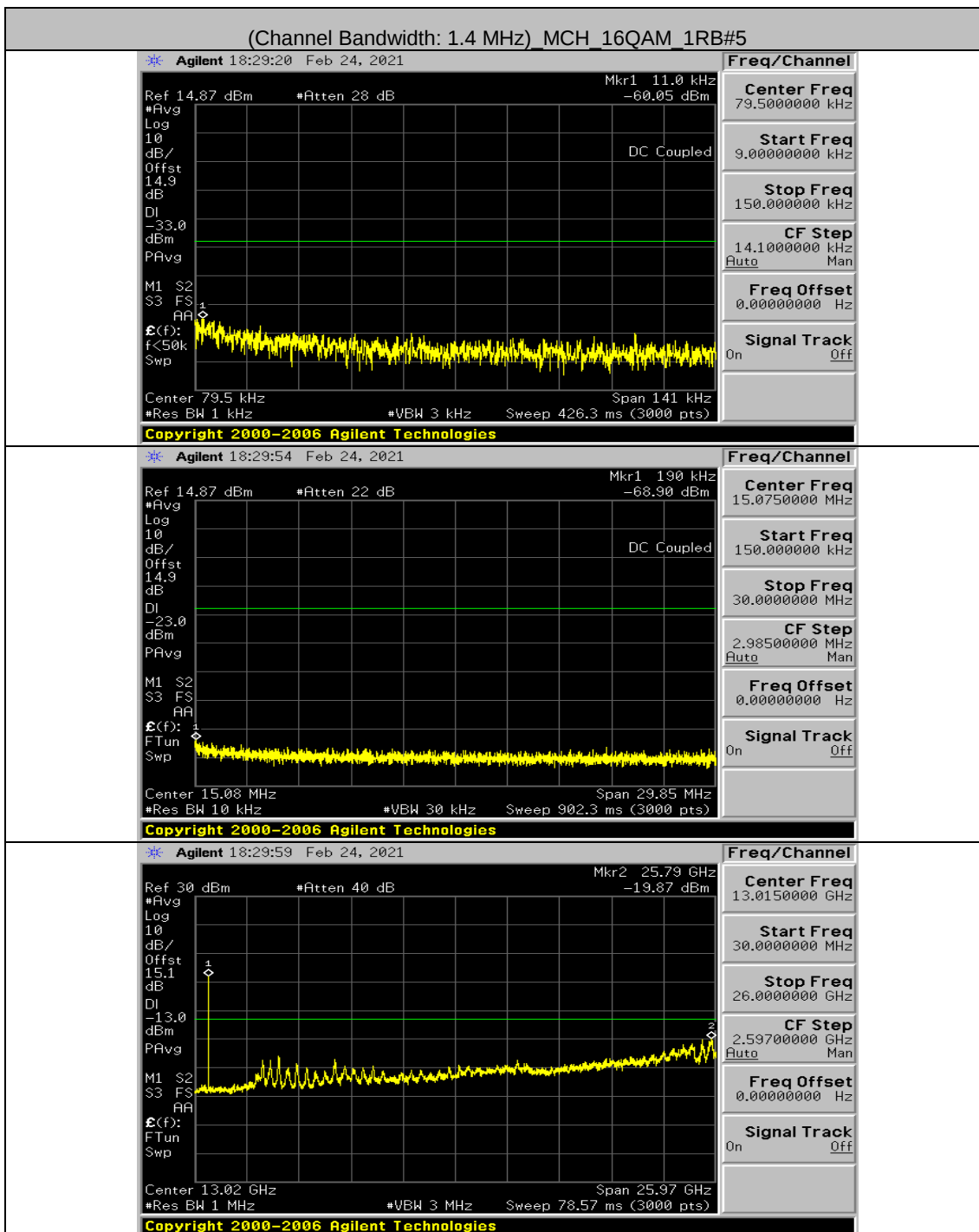


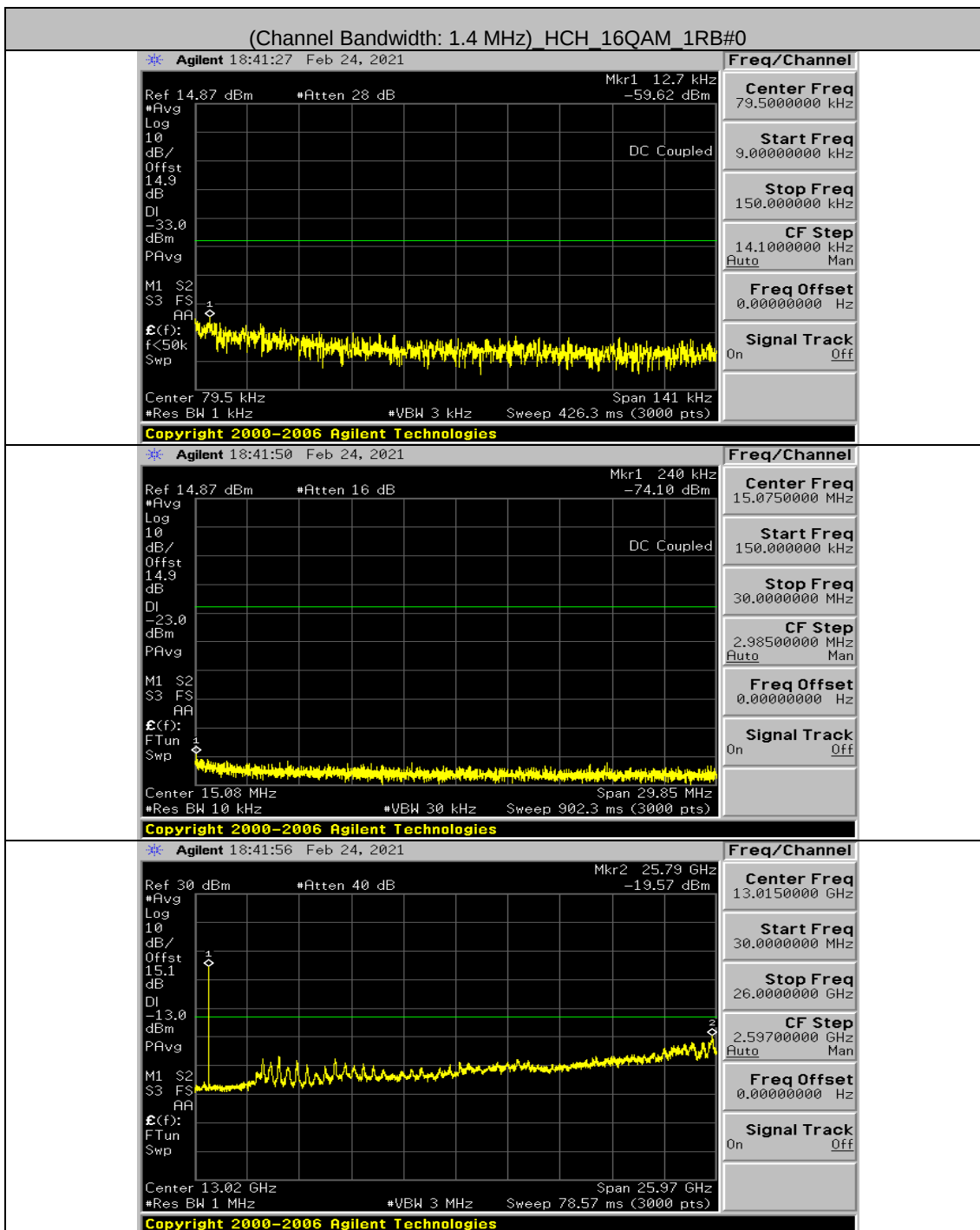


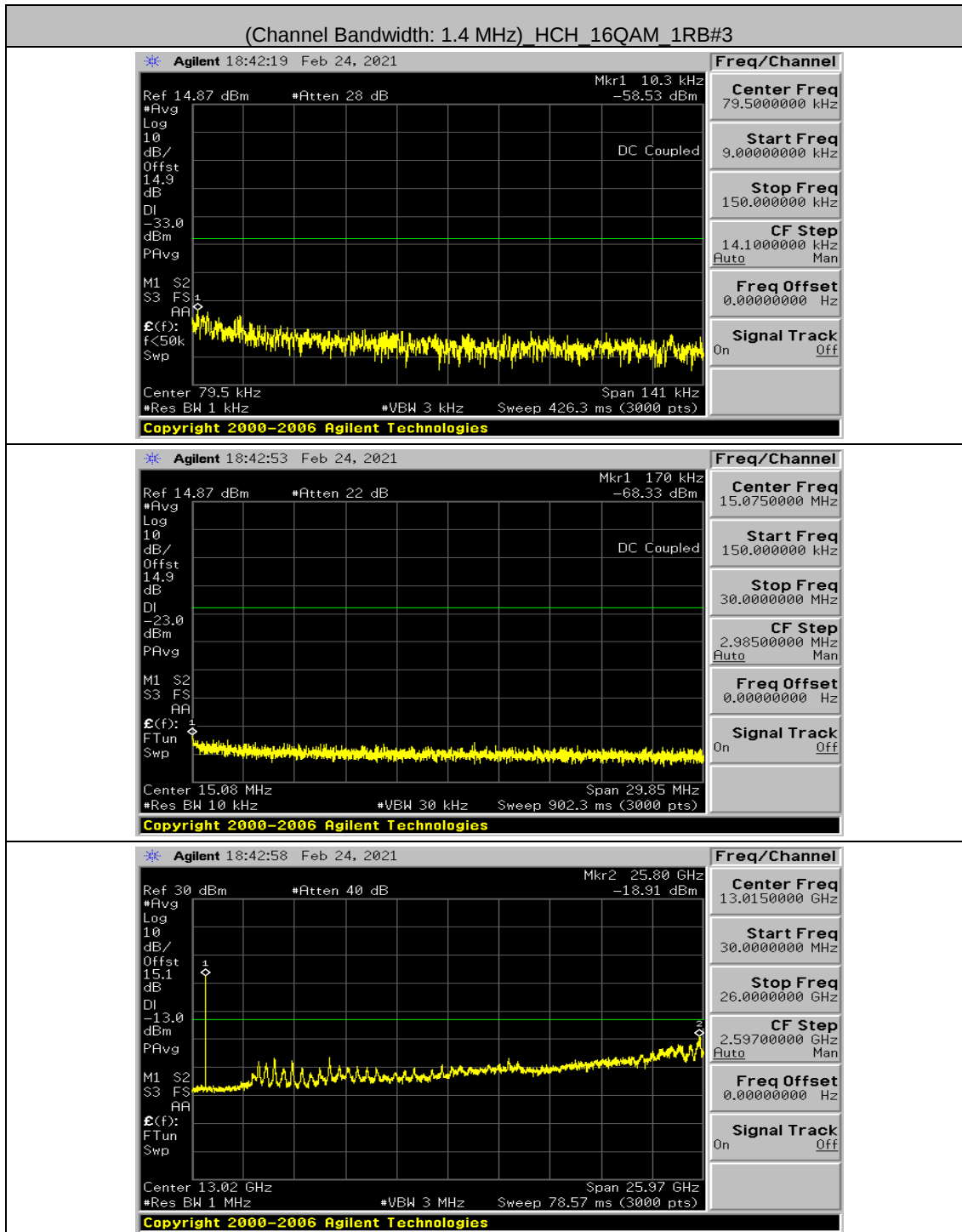


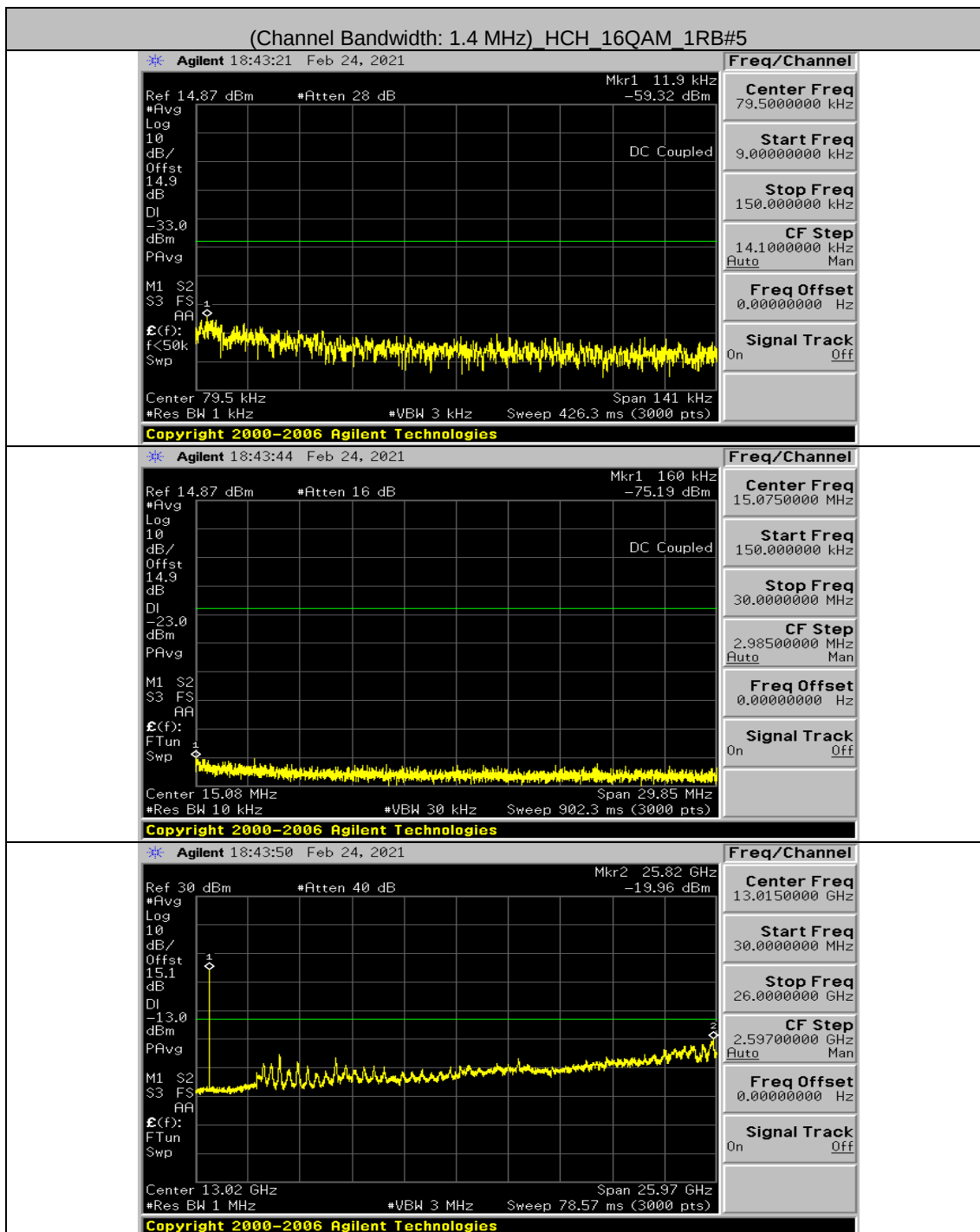




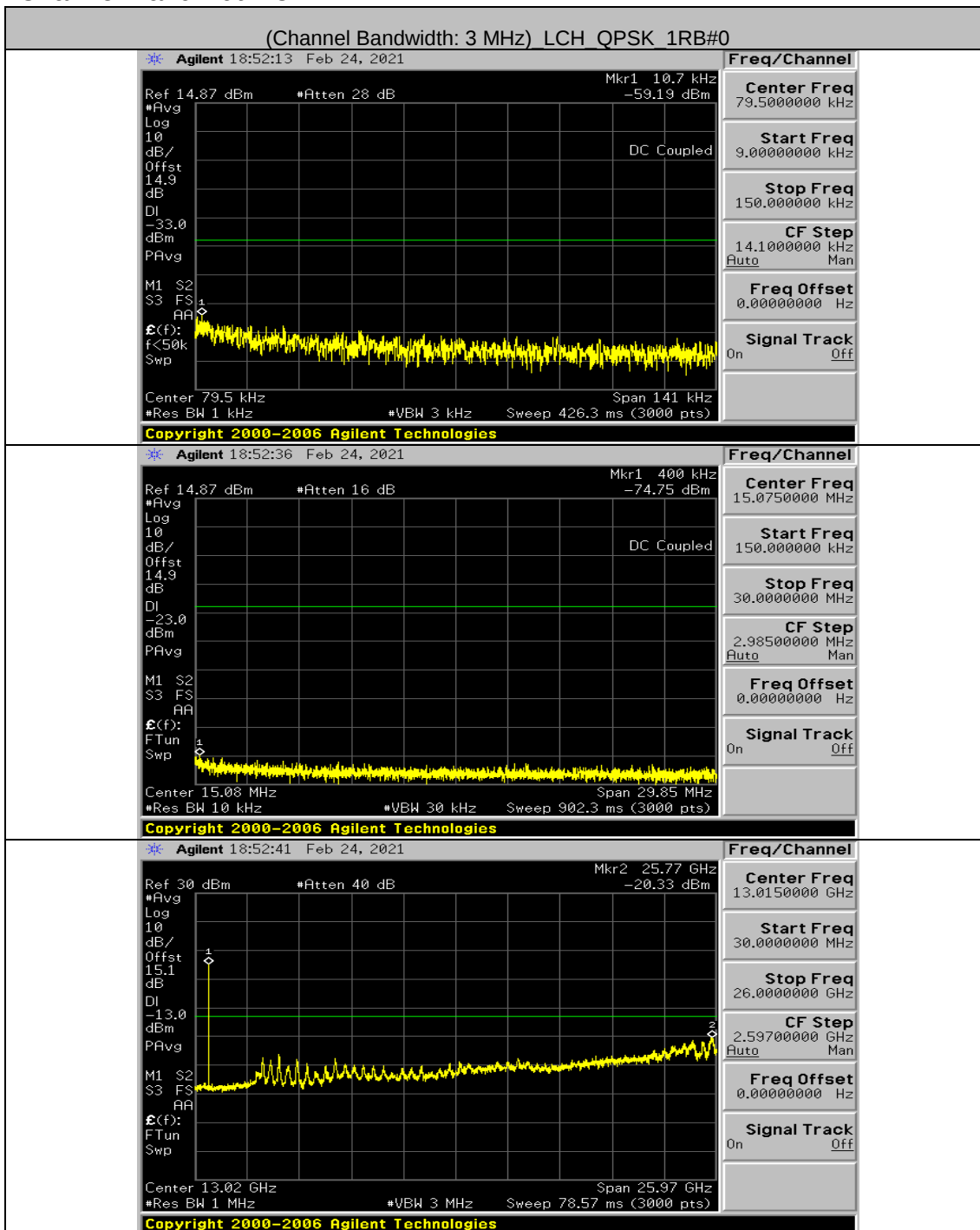


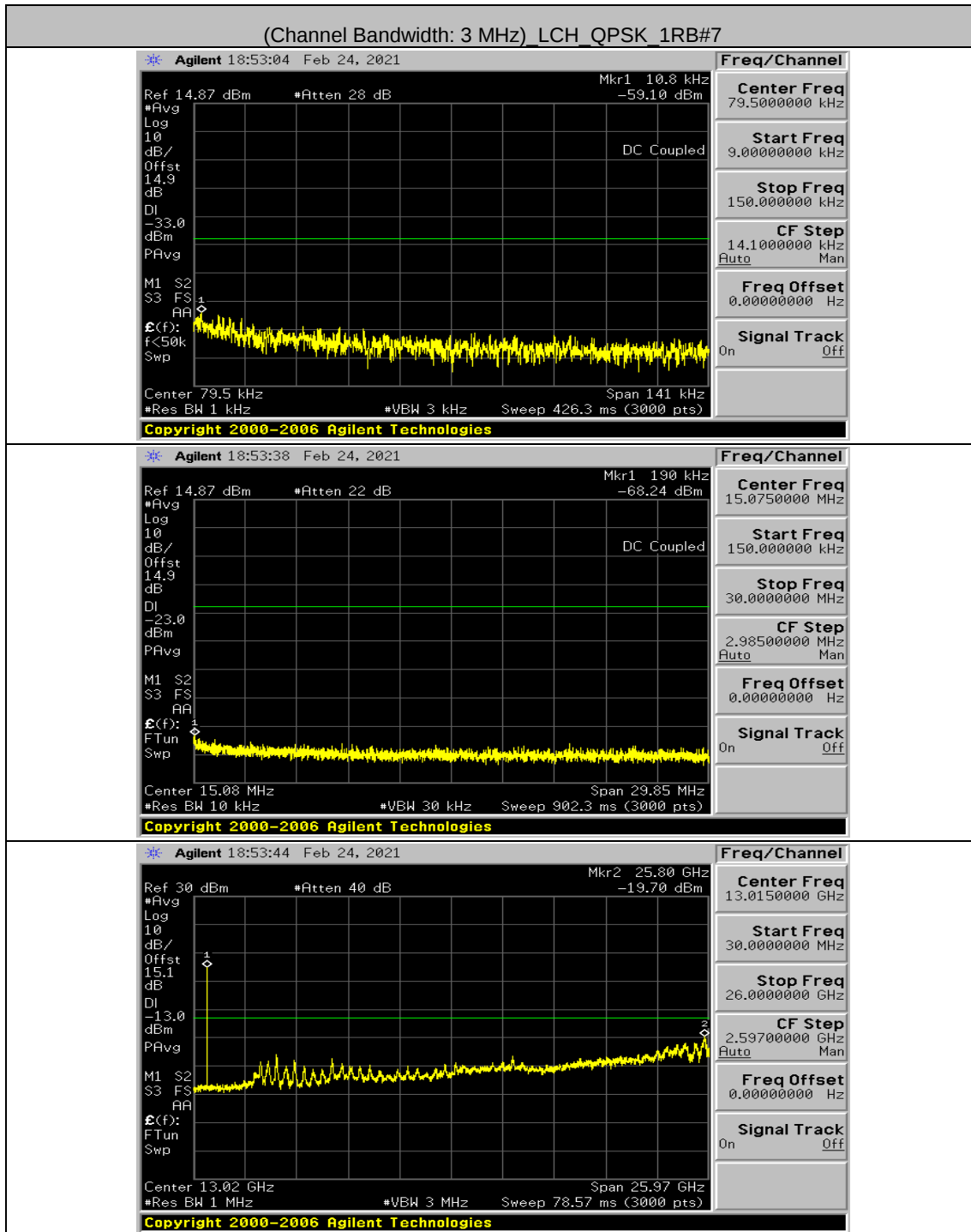


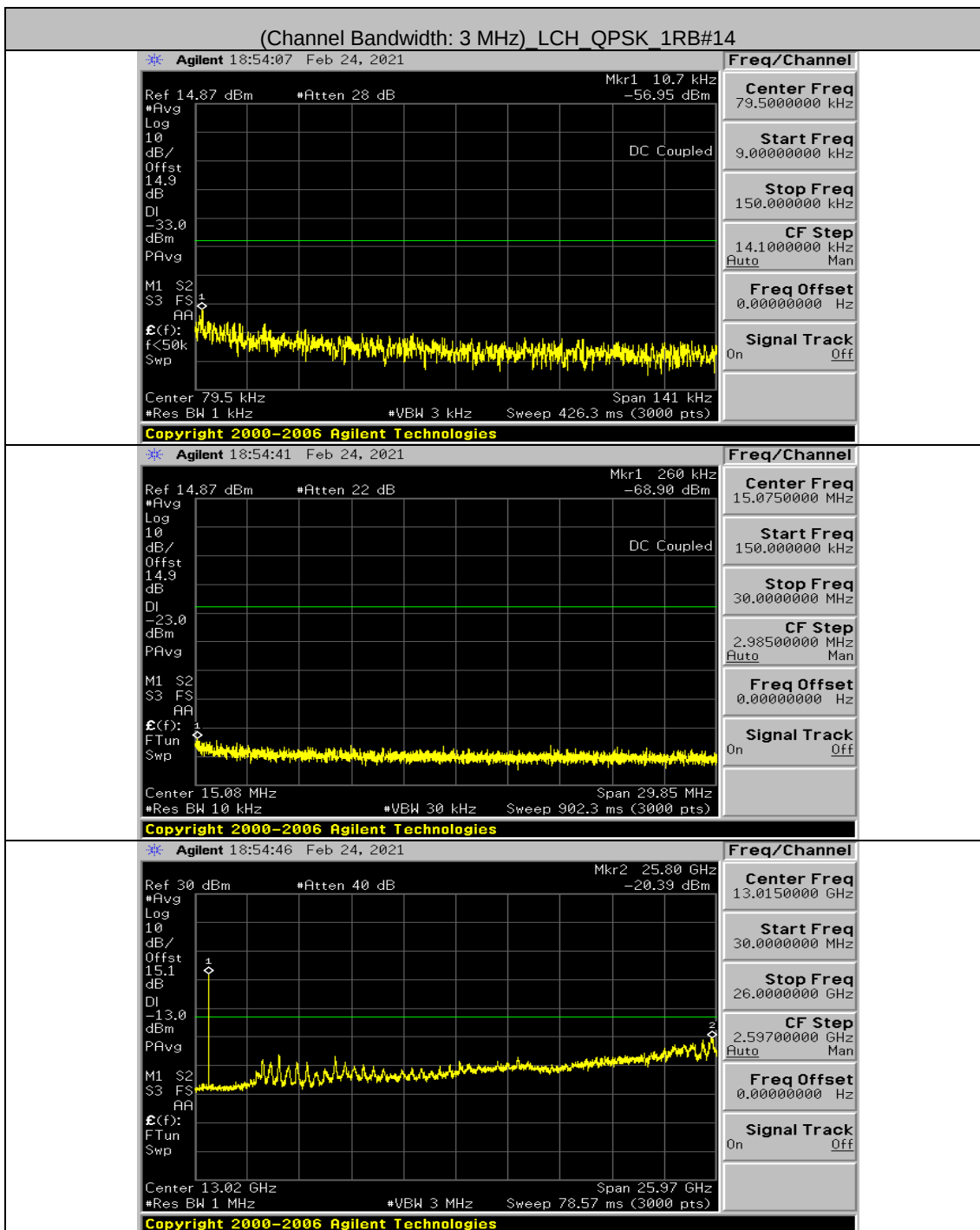


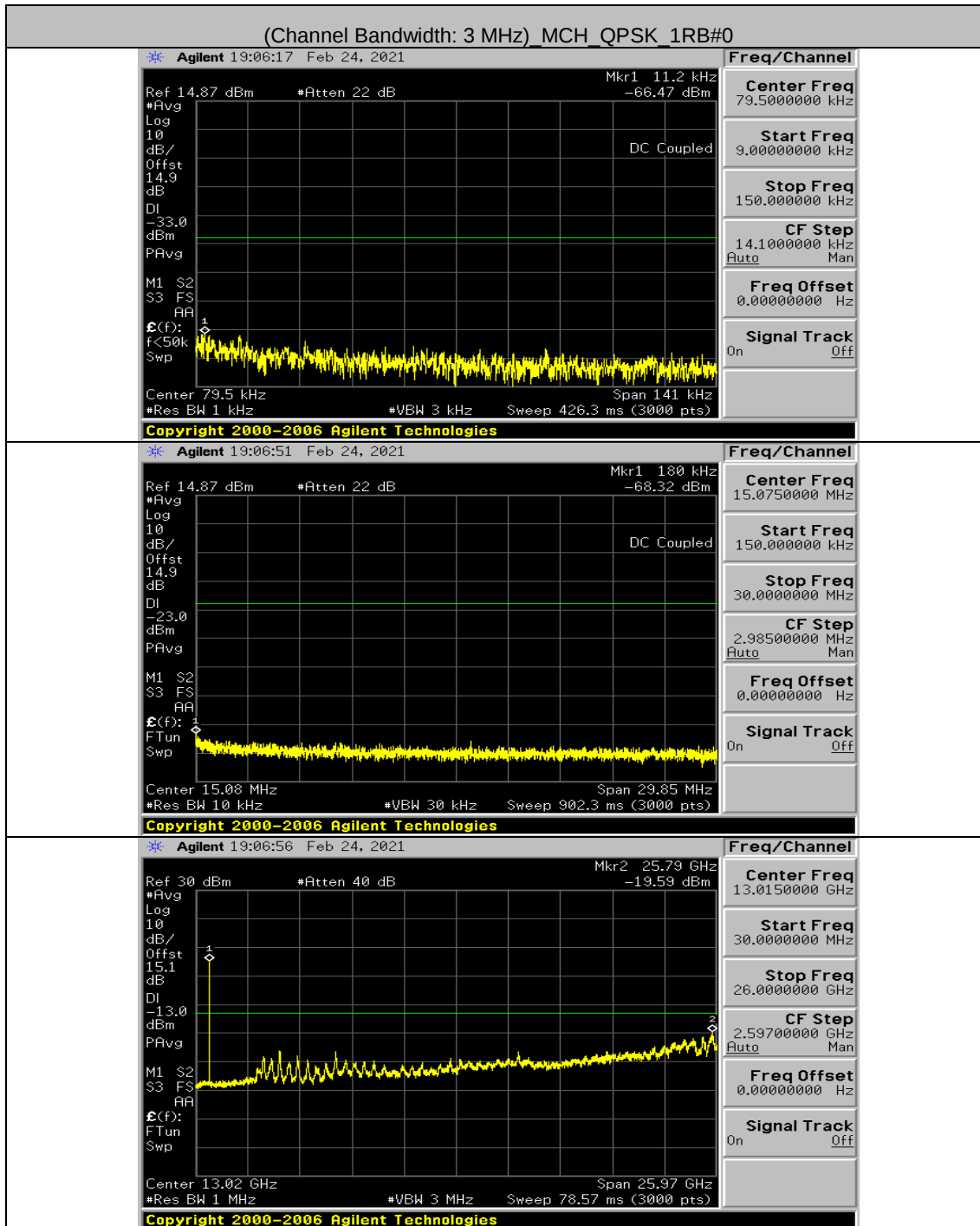


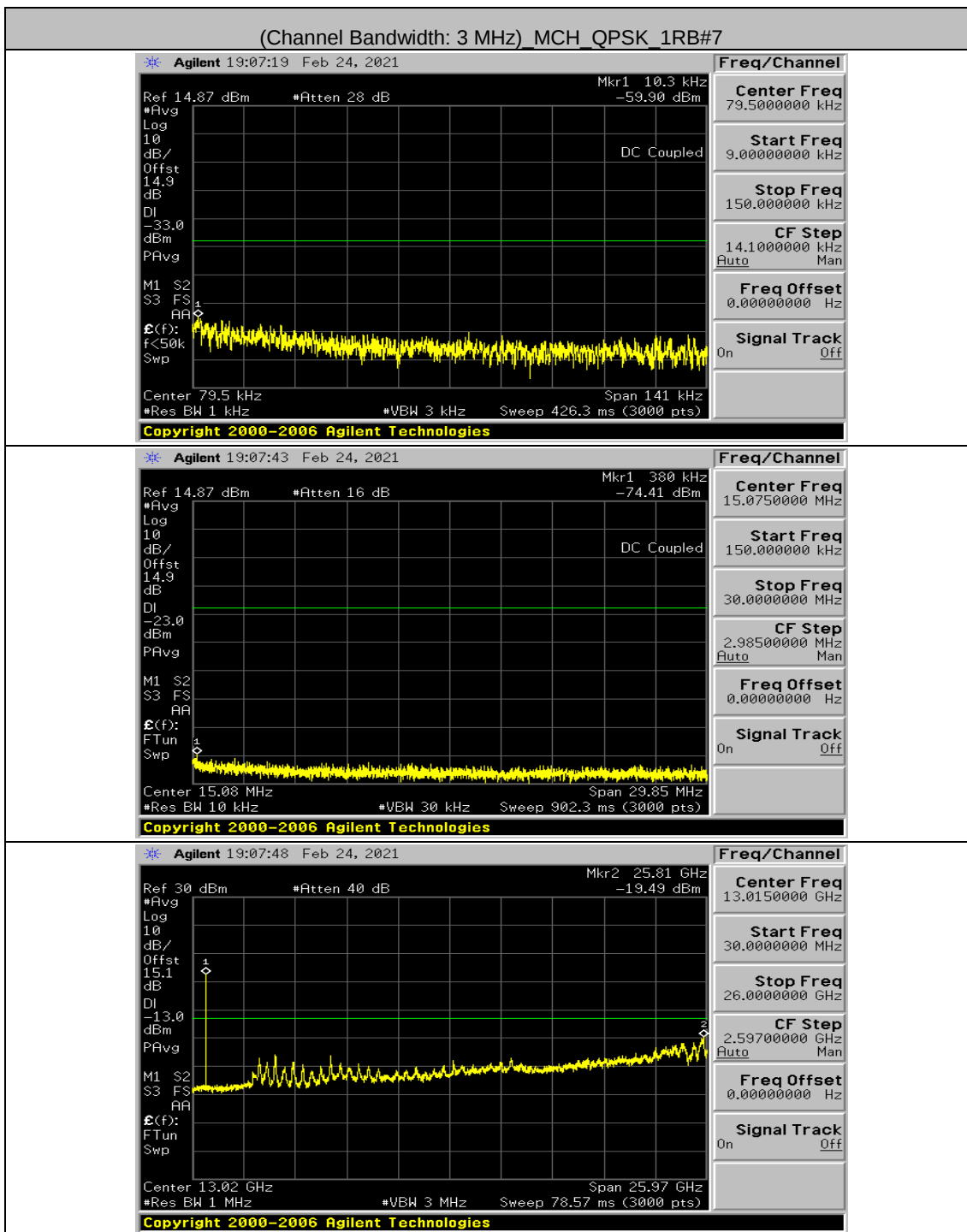
Channel Bandwidth: 3 MHz

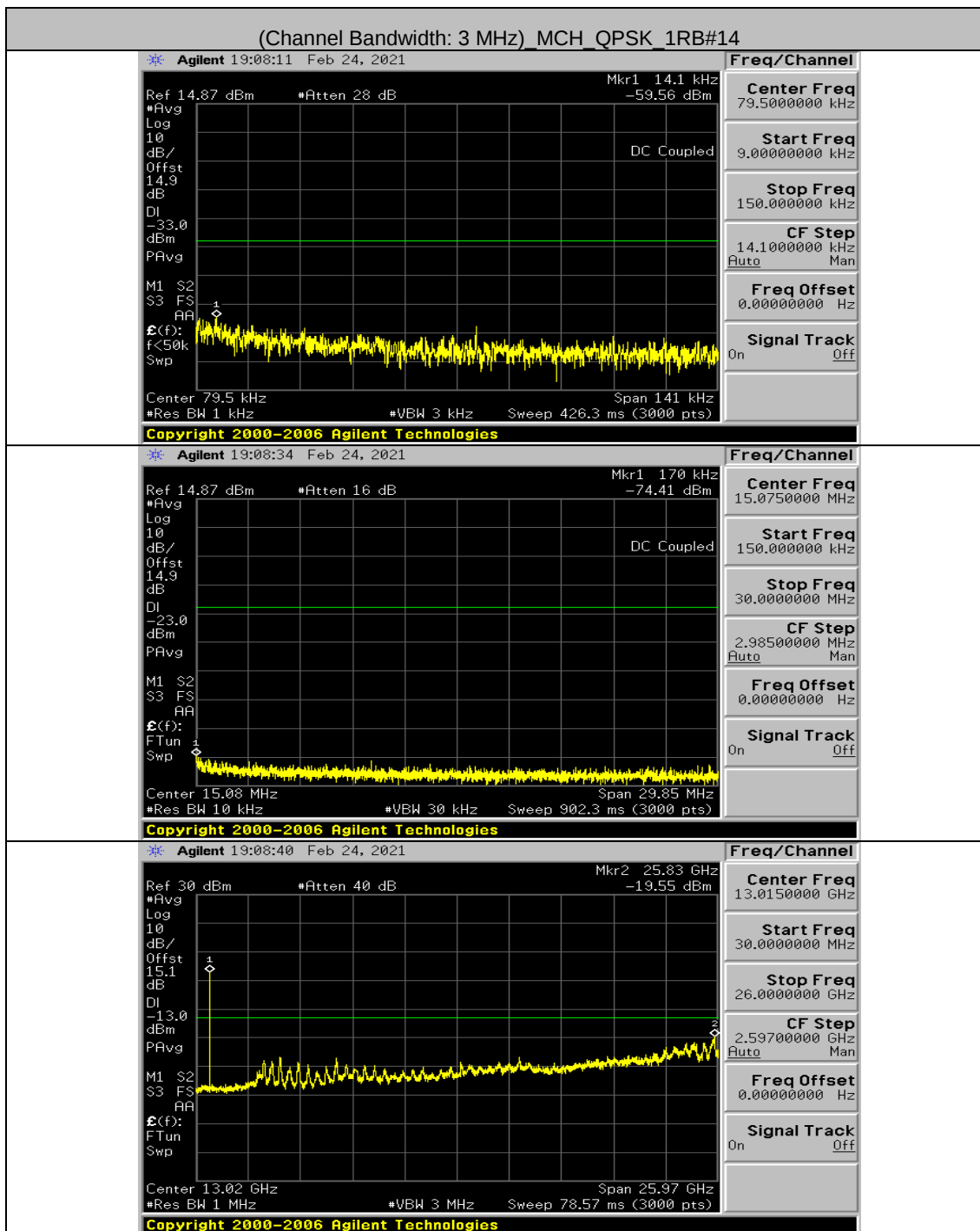


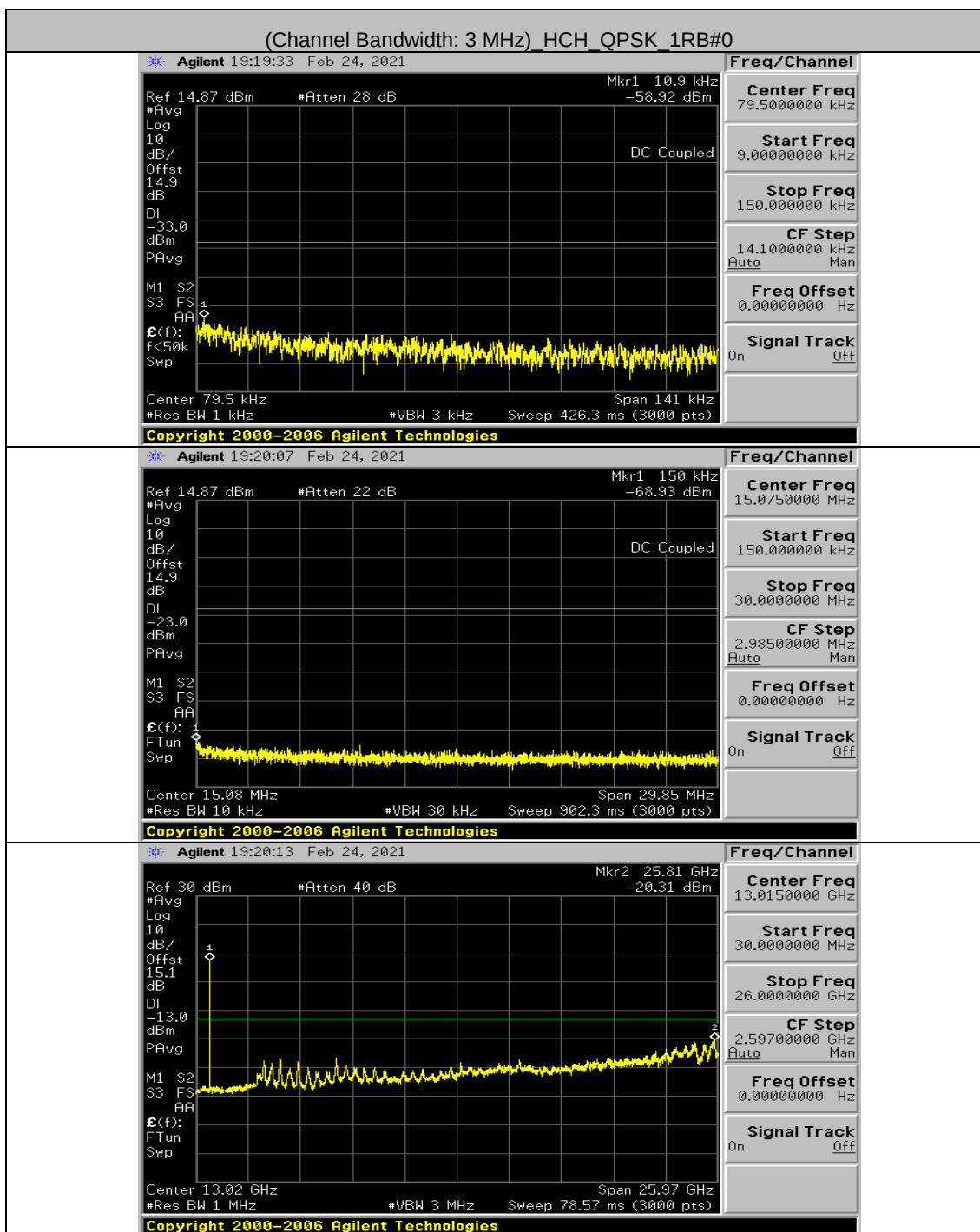


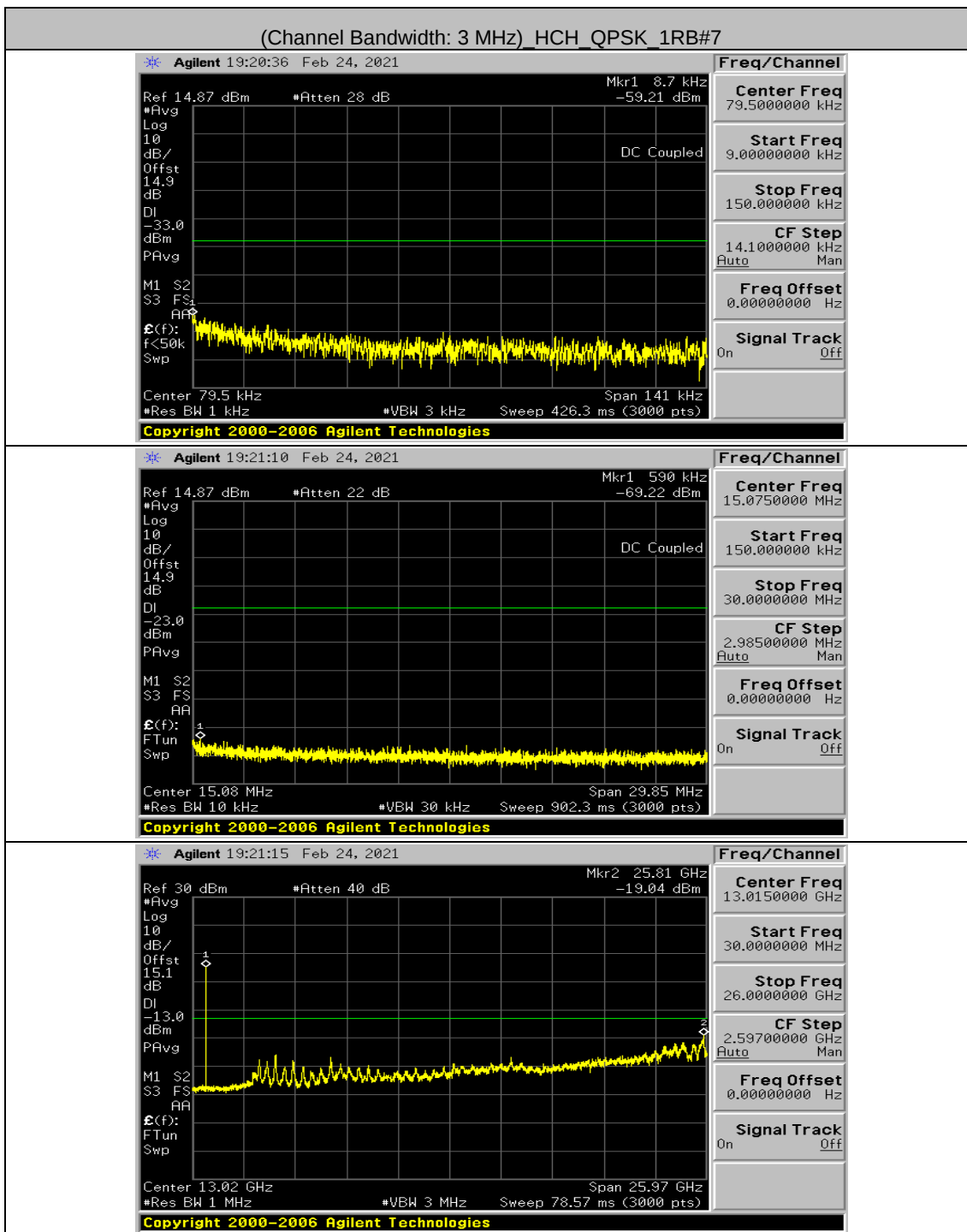


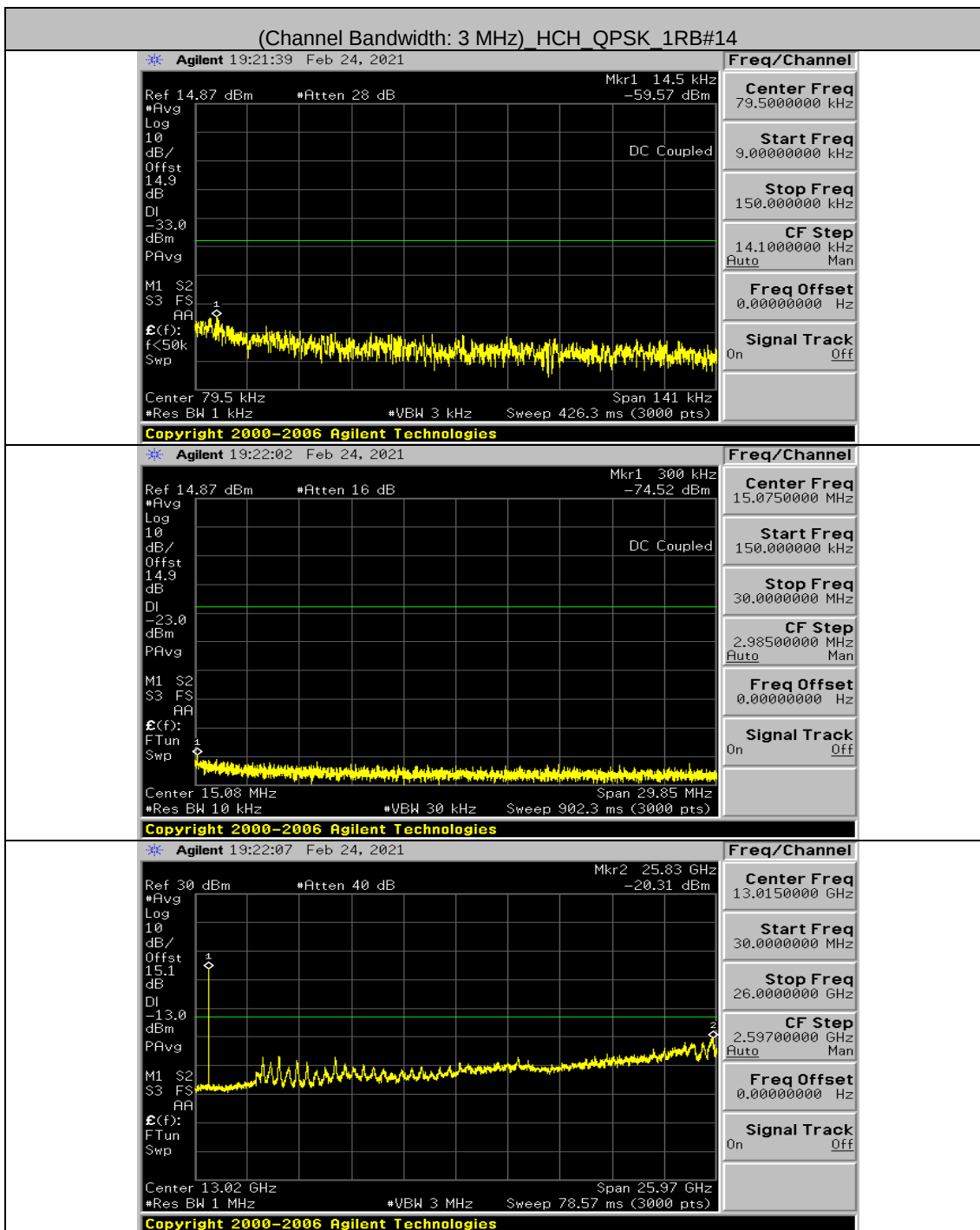


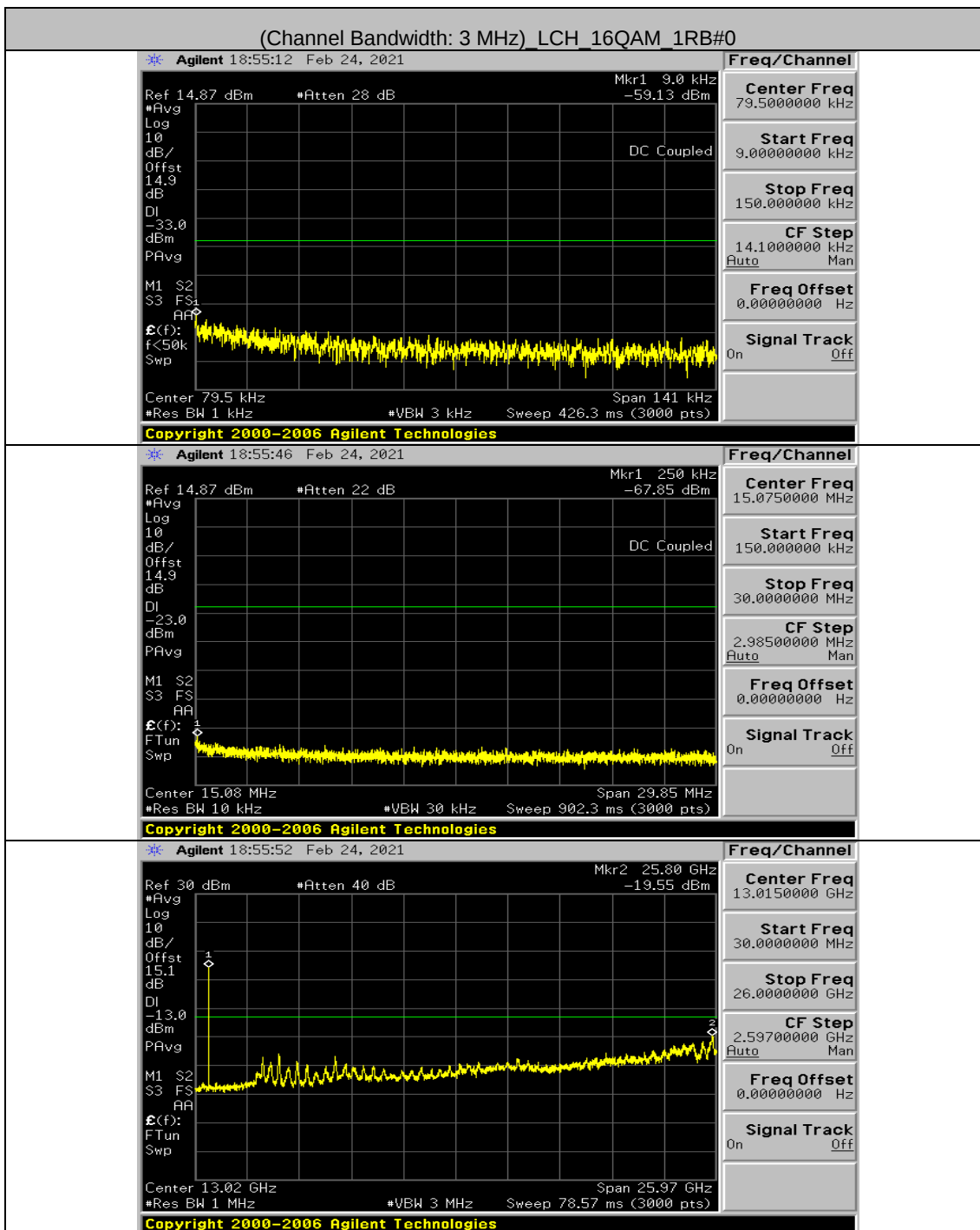


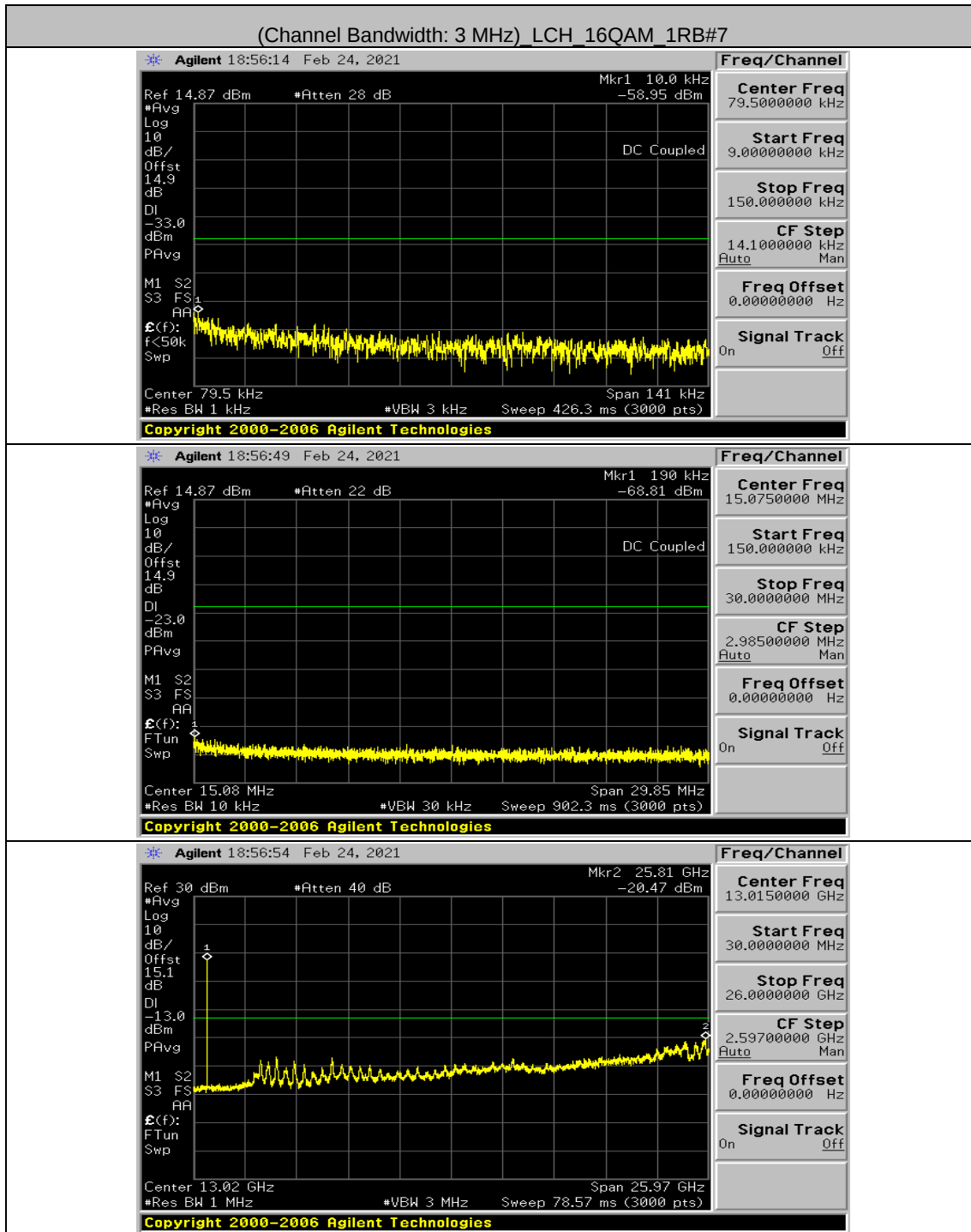


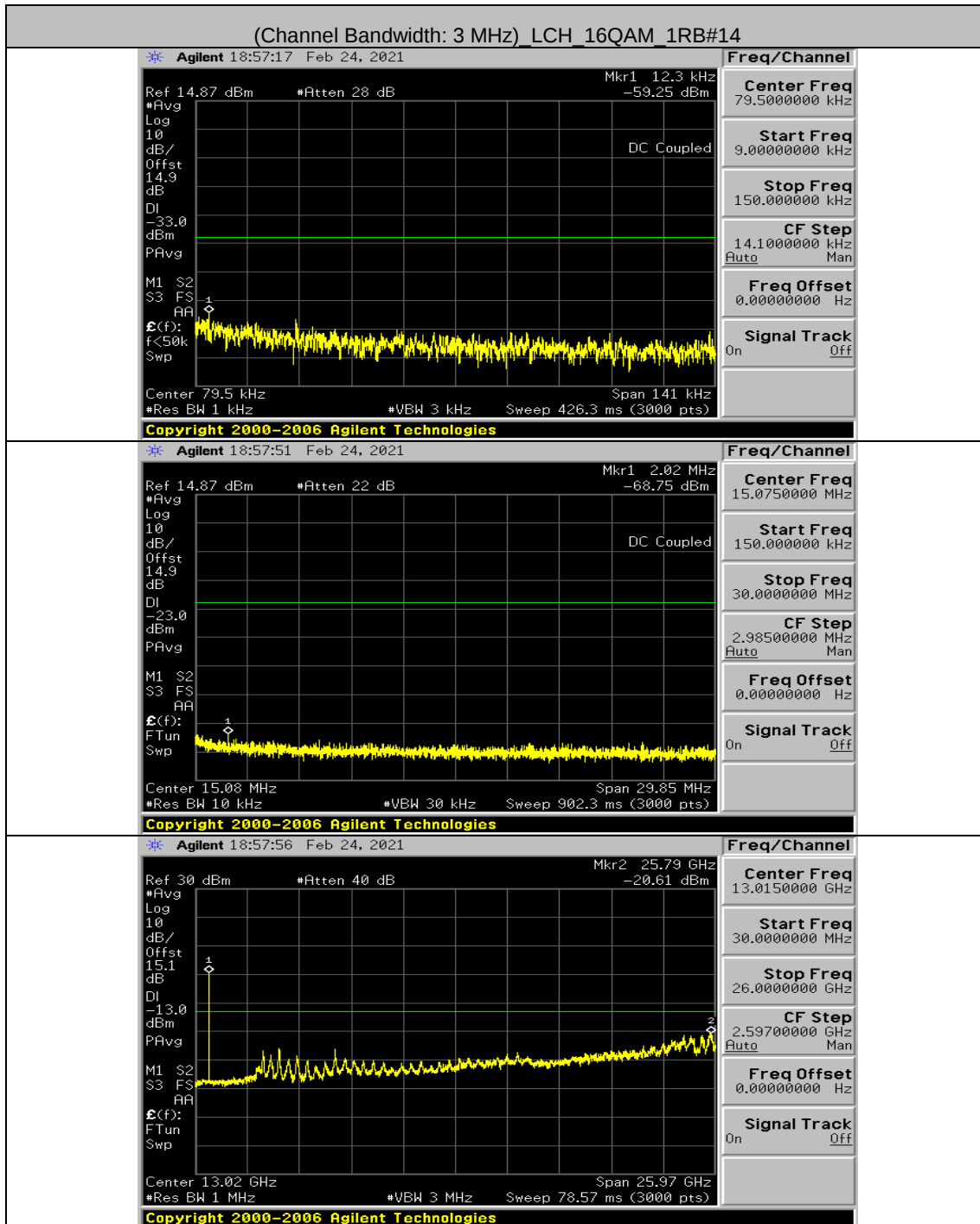


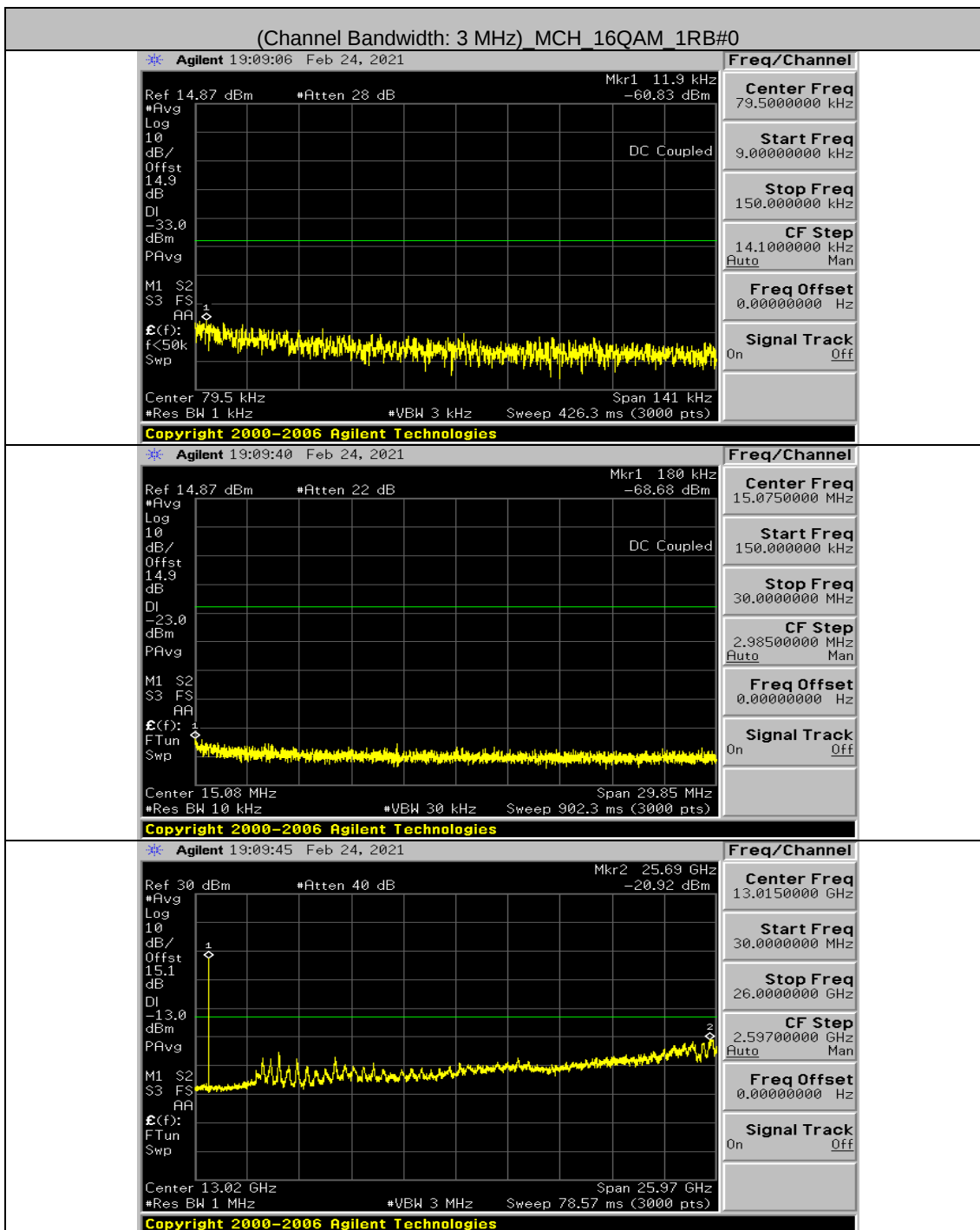


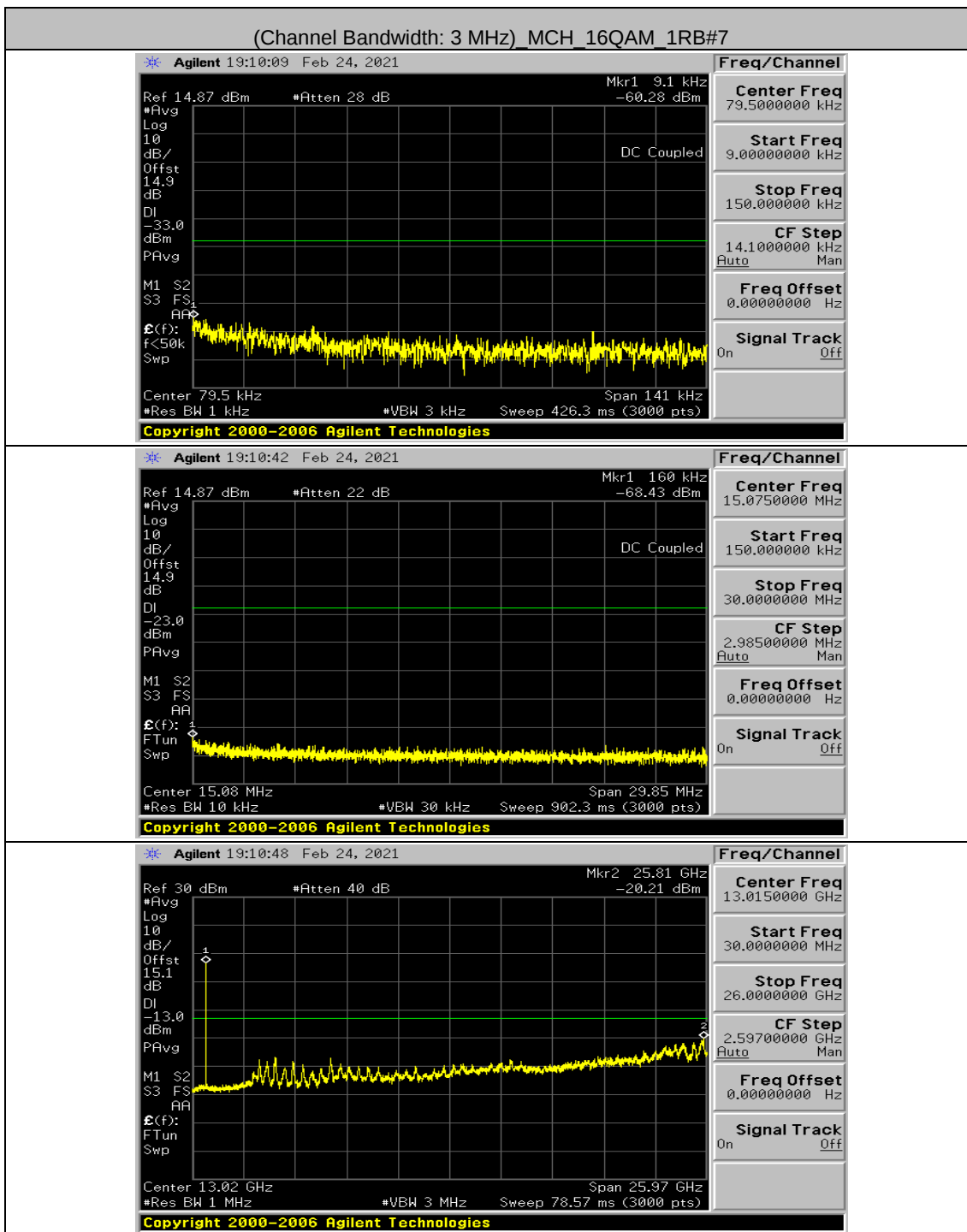


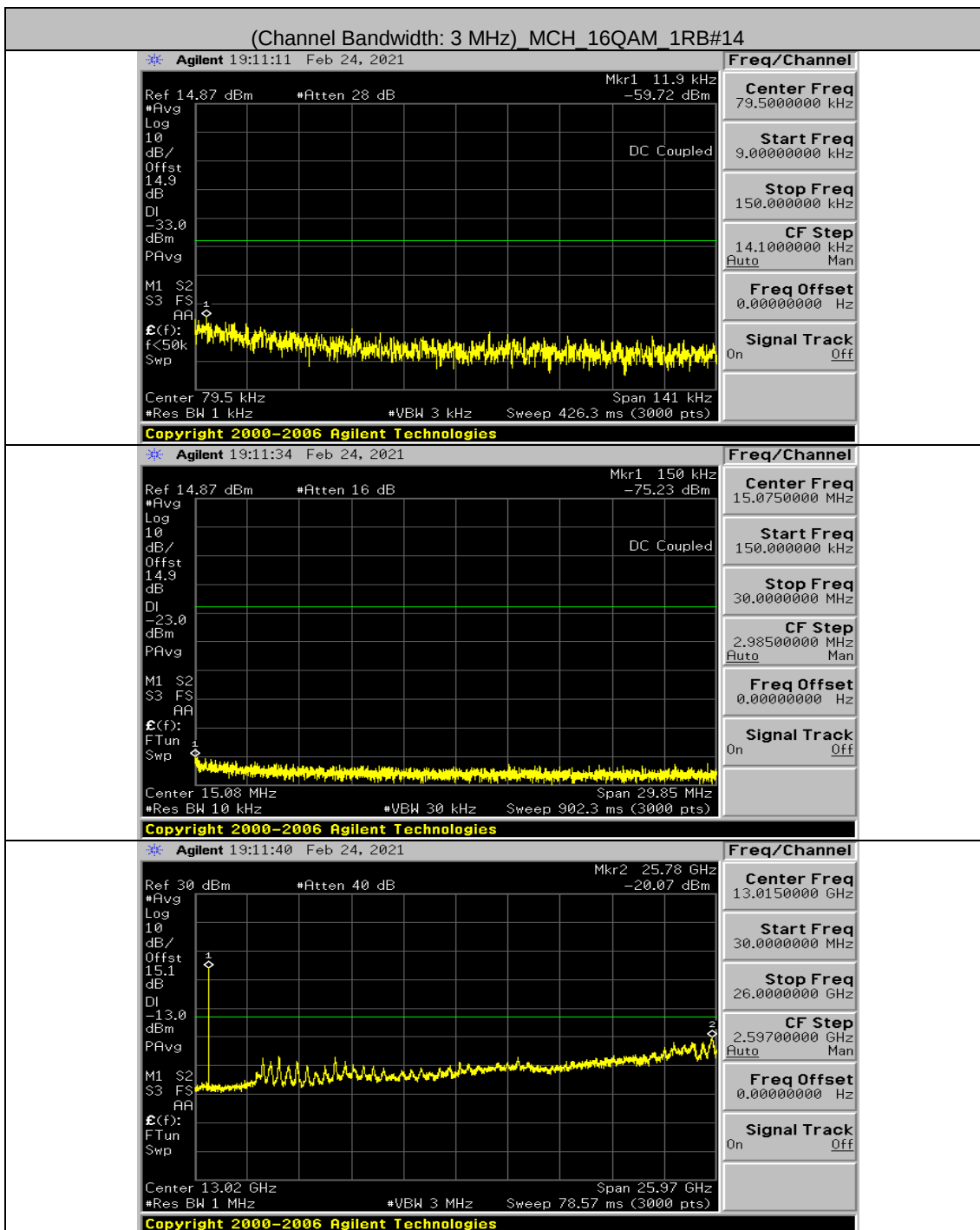


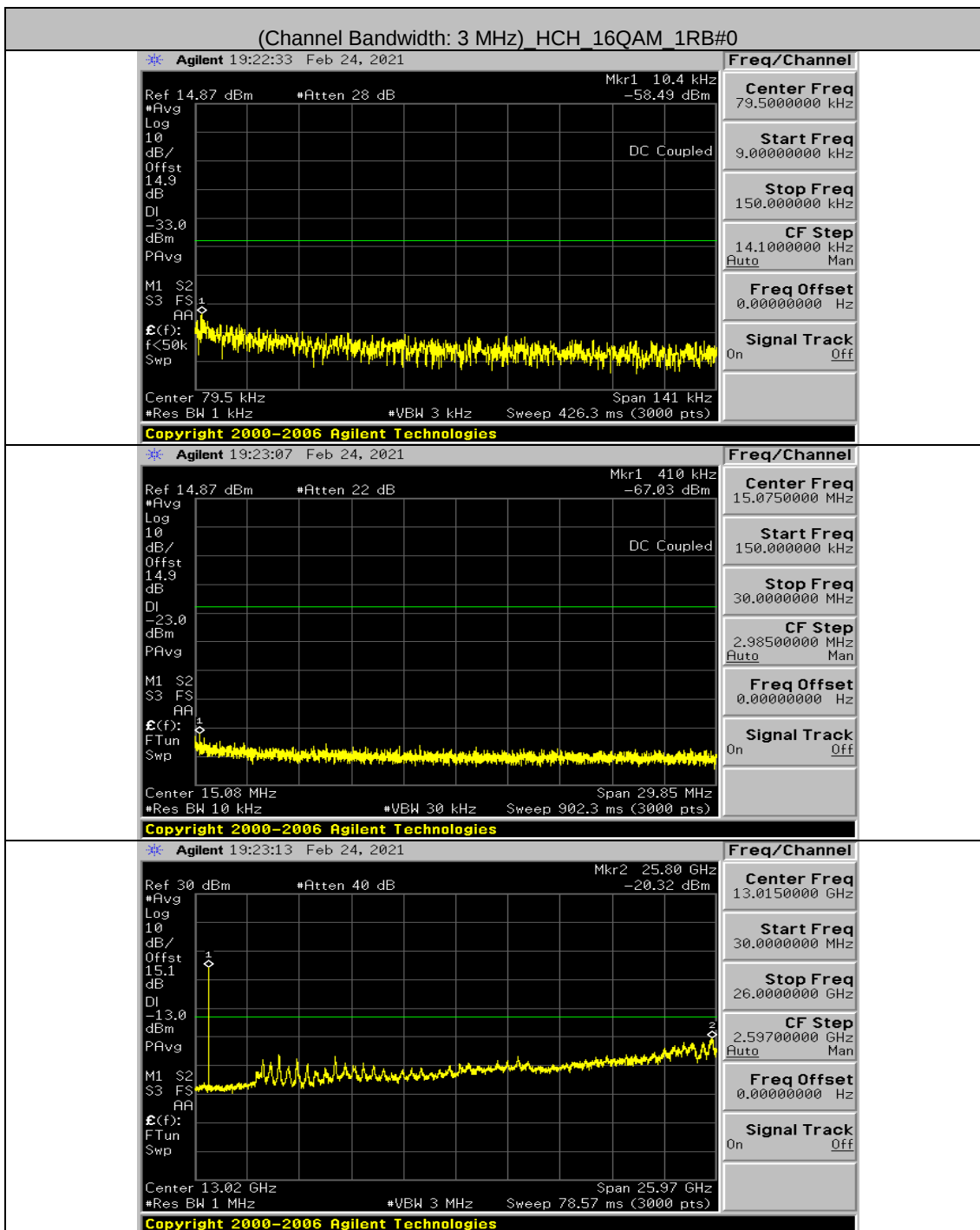


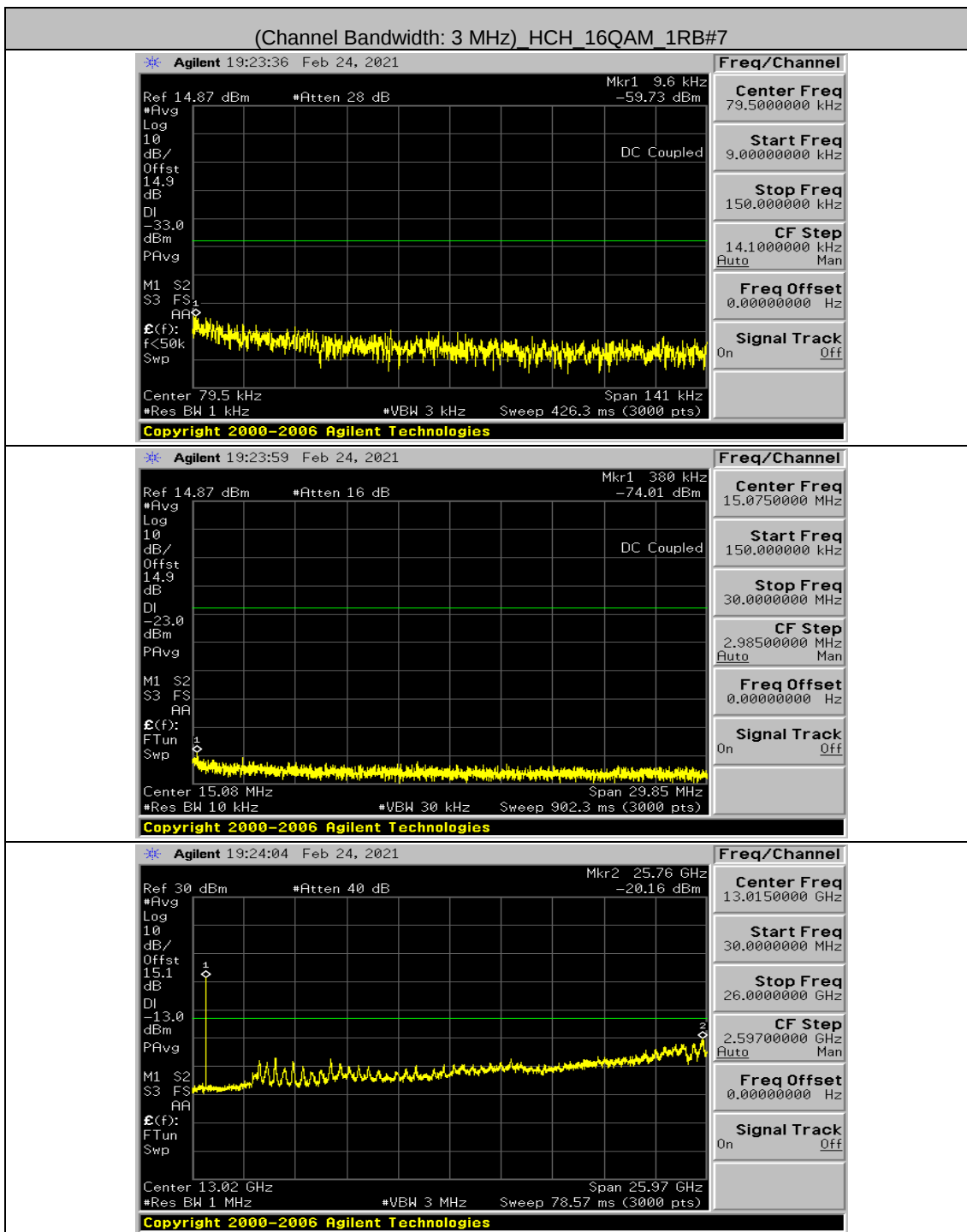


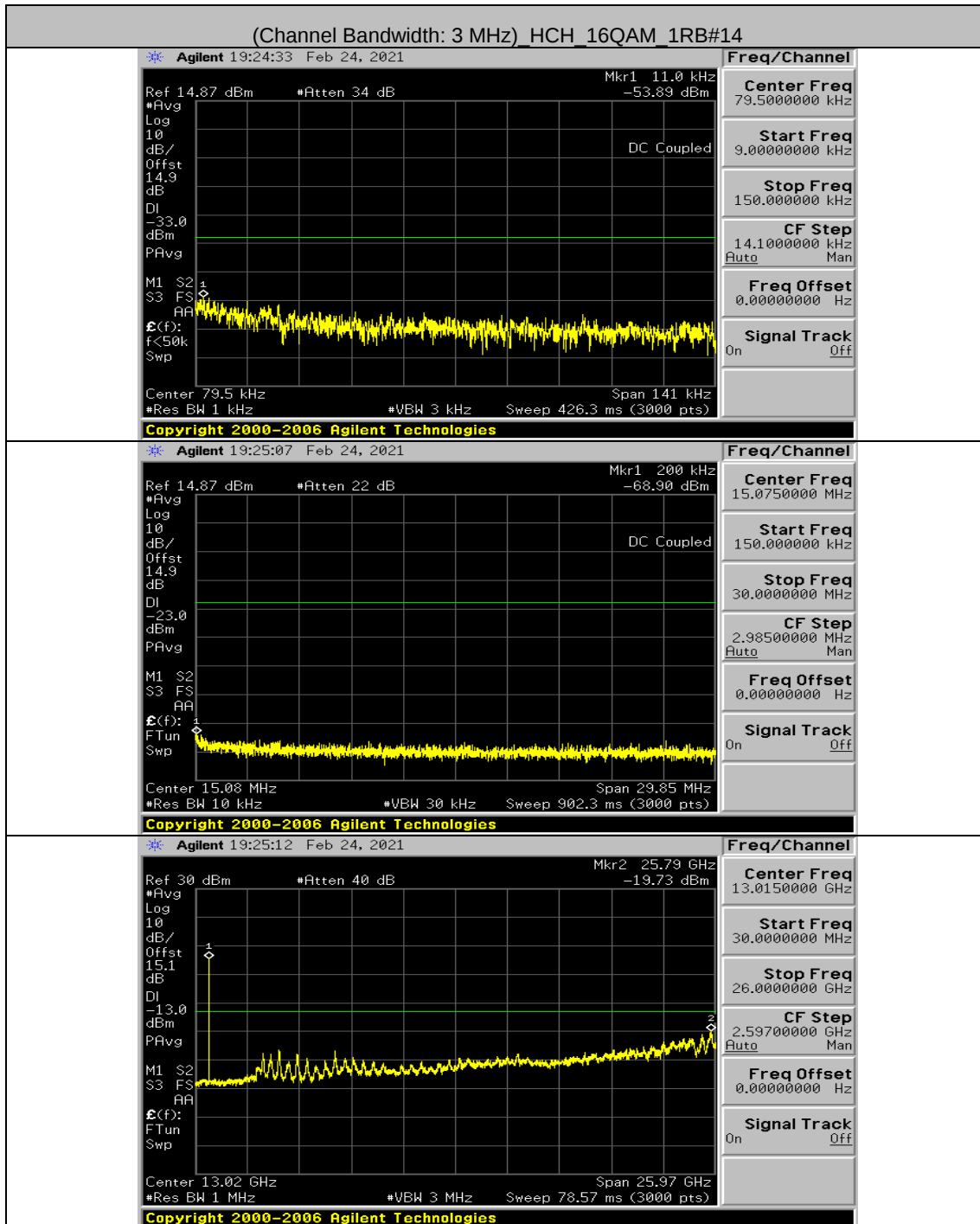




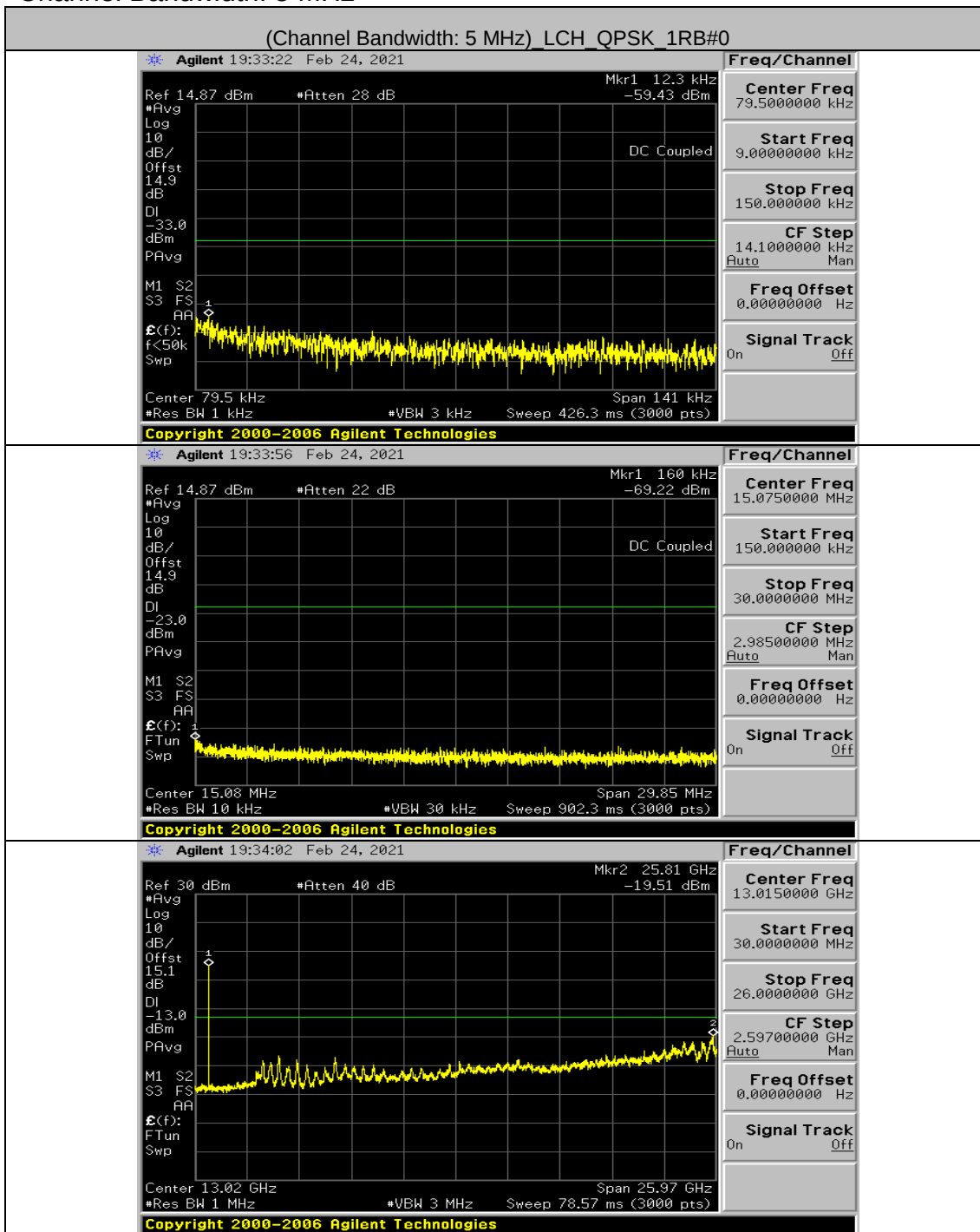


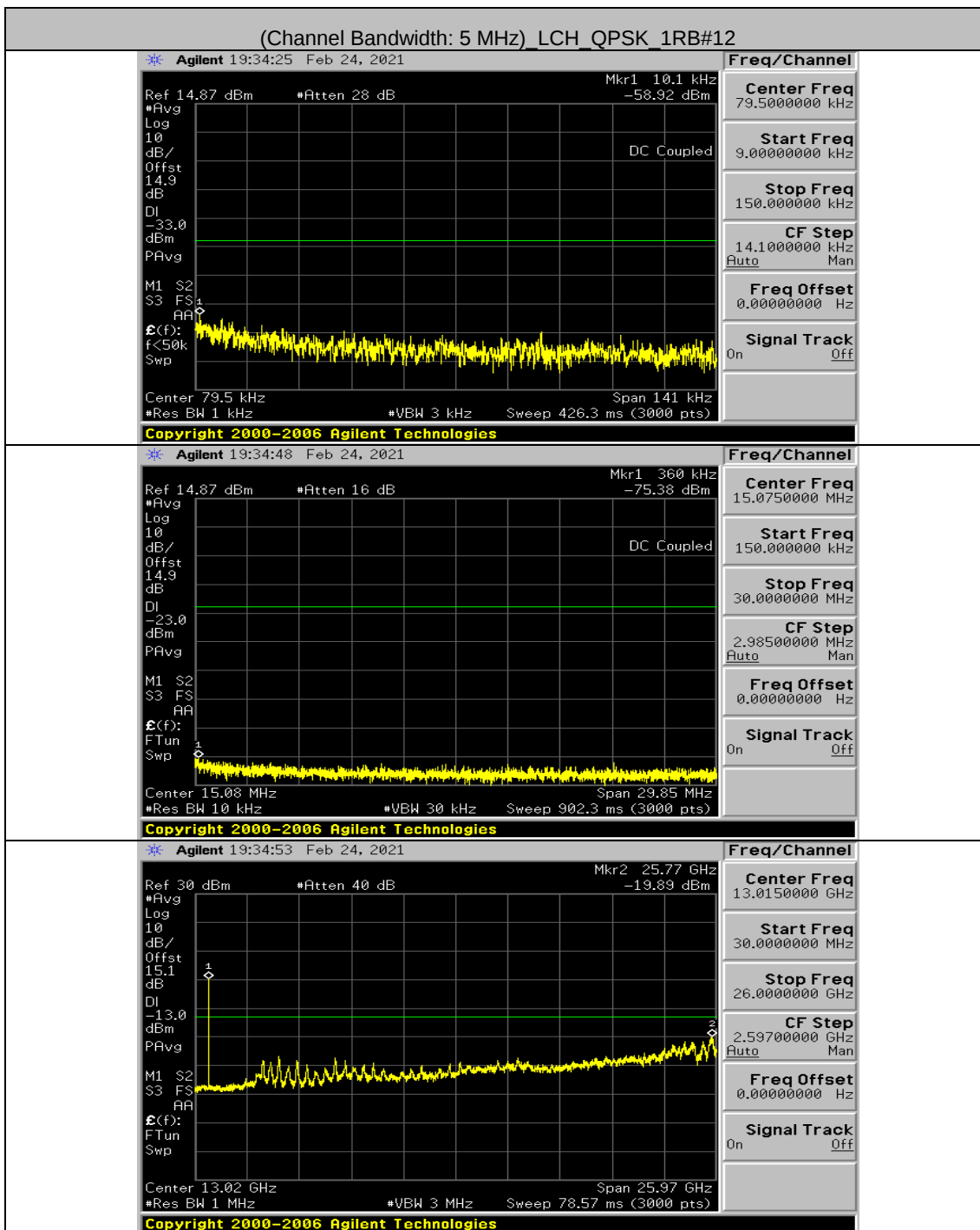


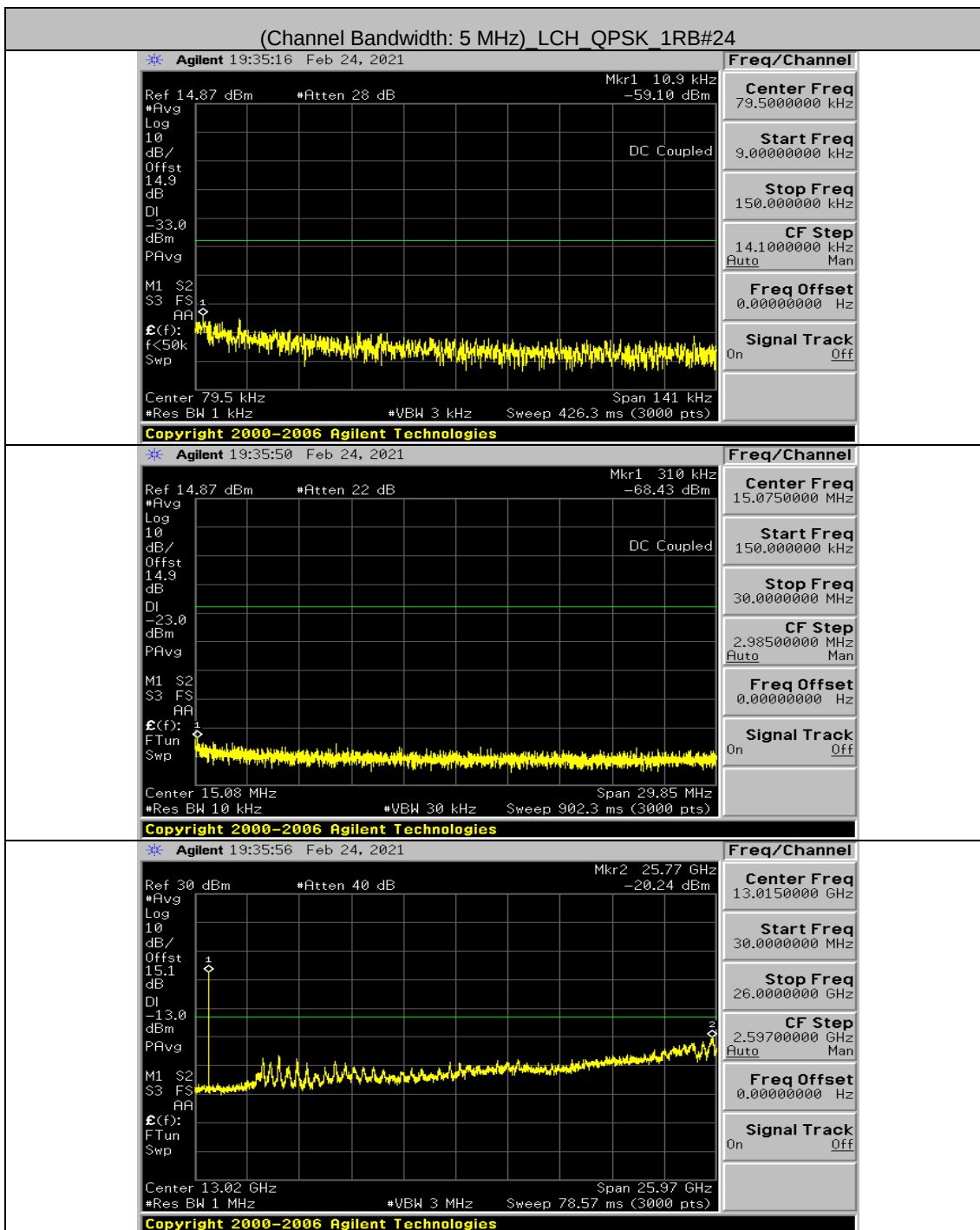


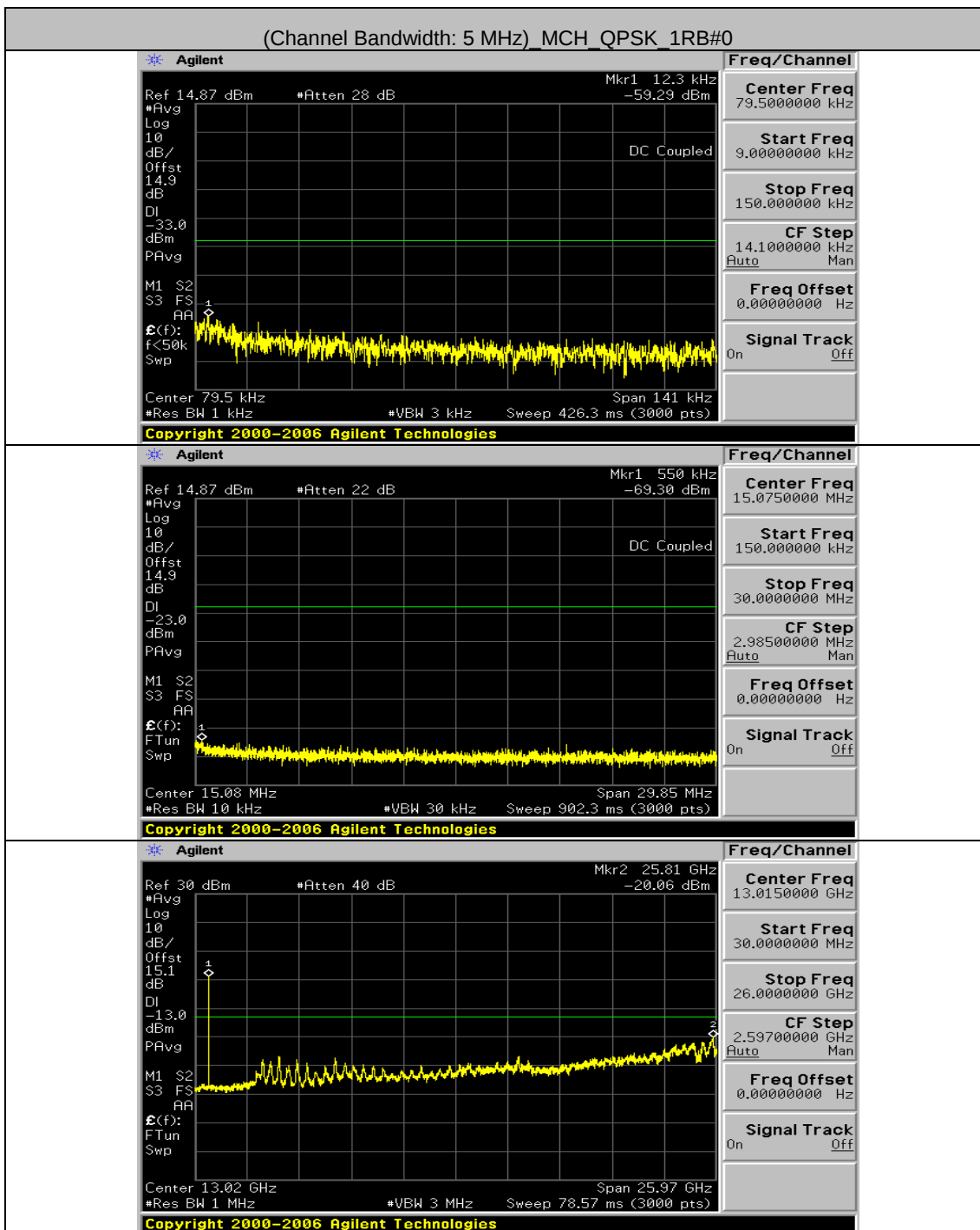


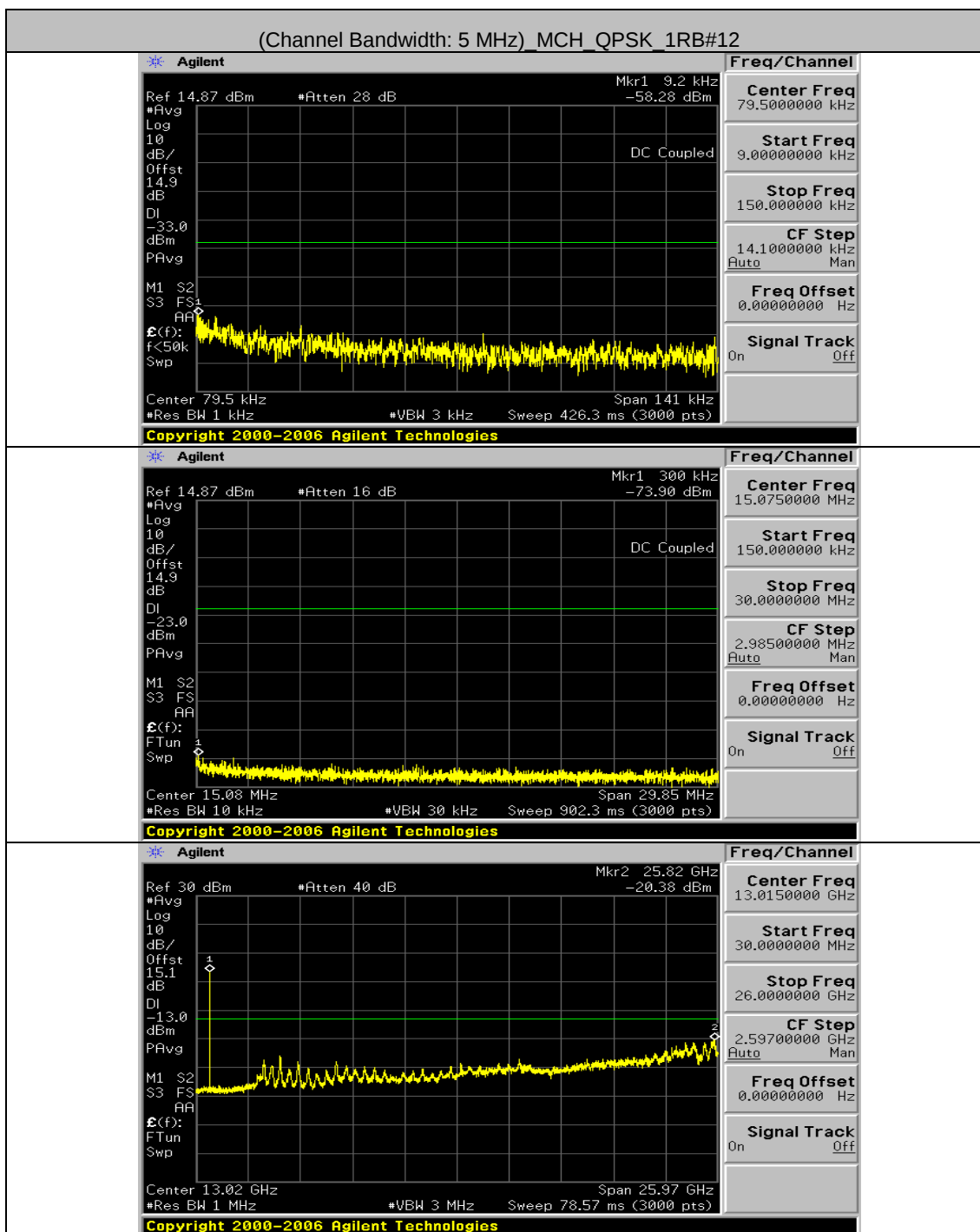
Channel Bandwidth: 5 MHz

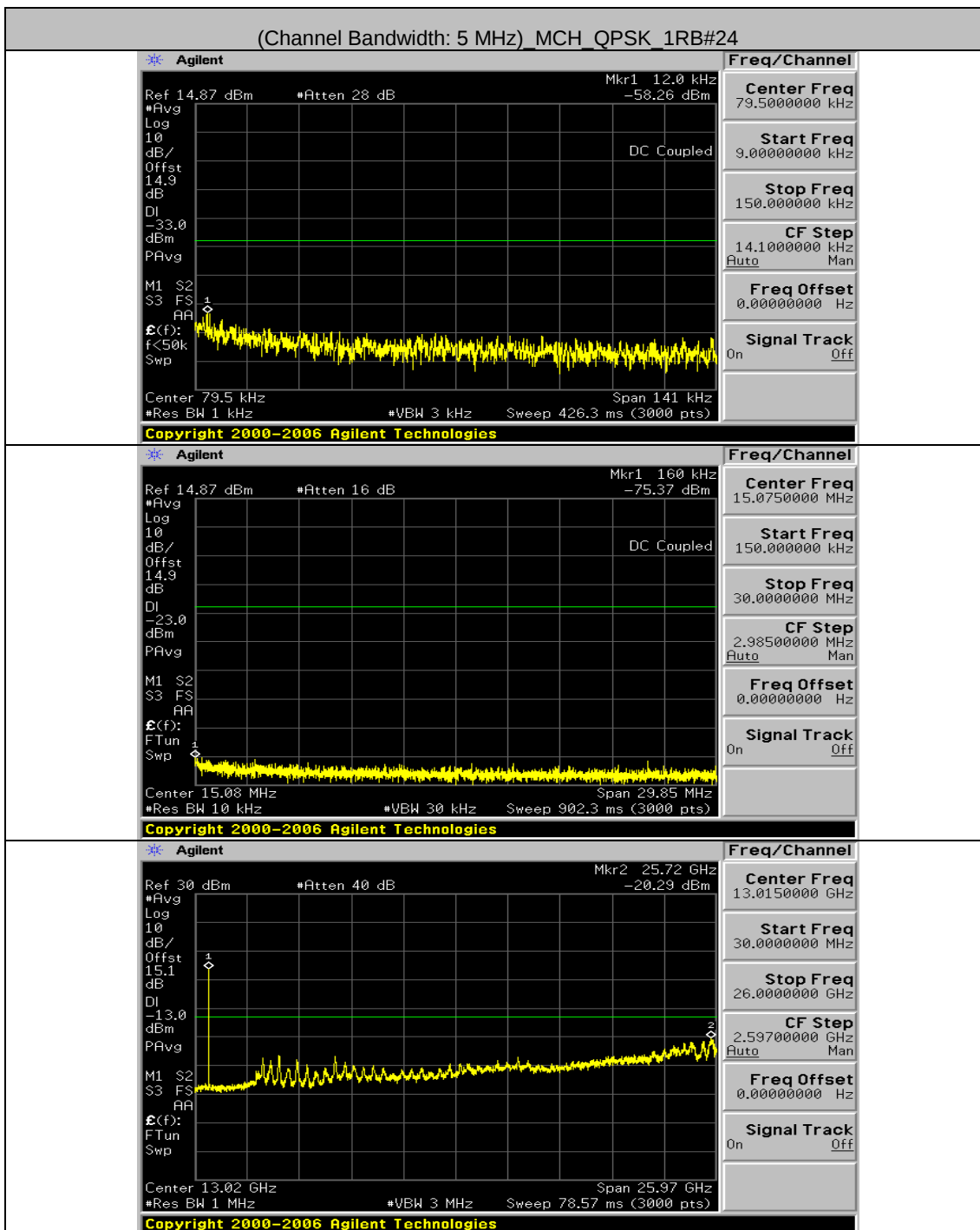


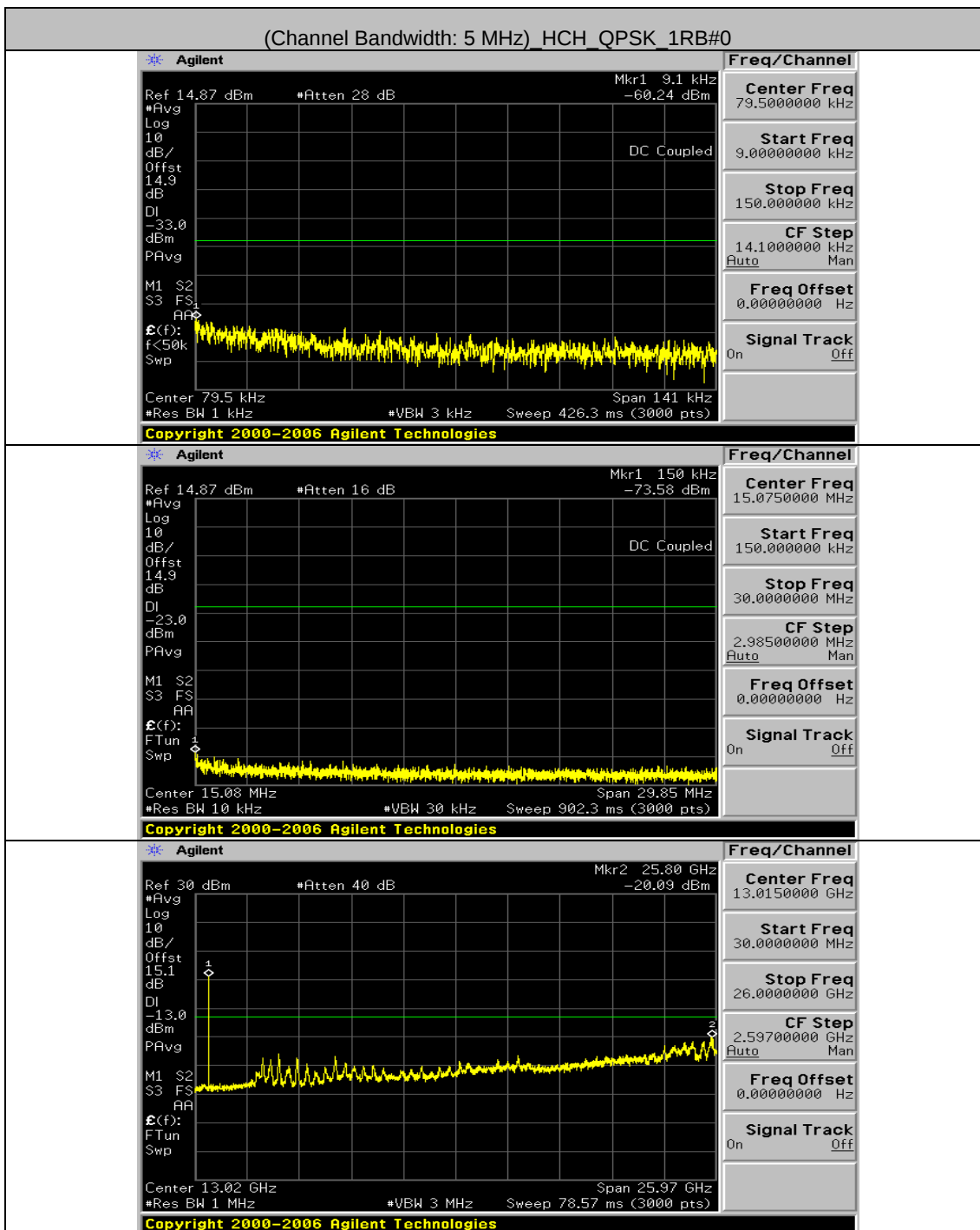


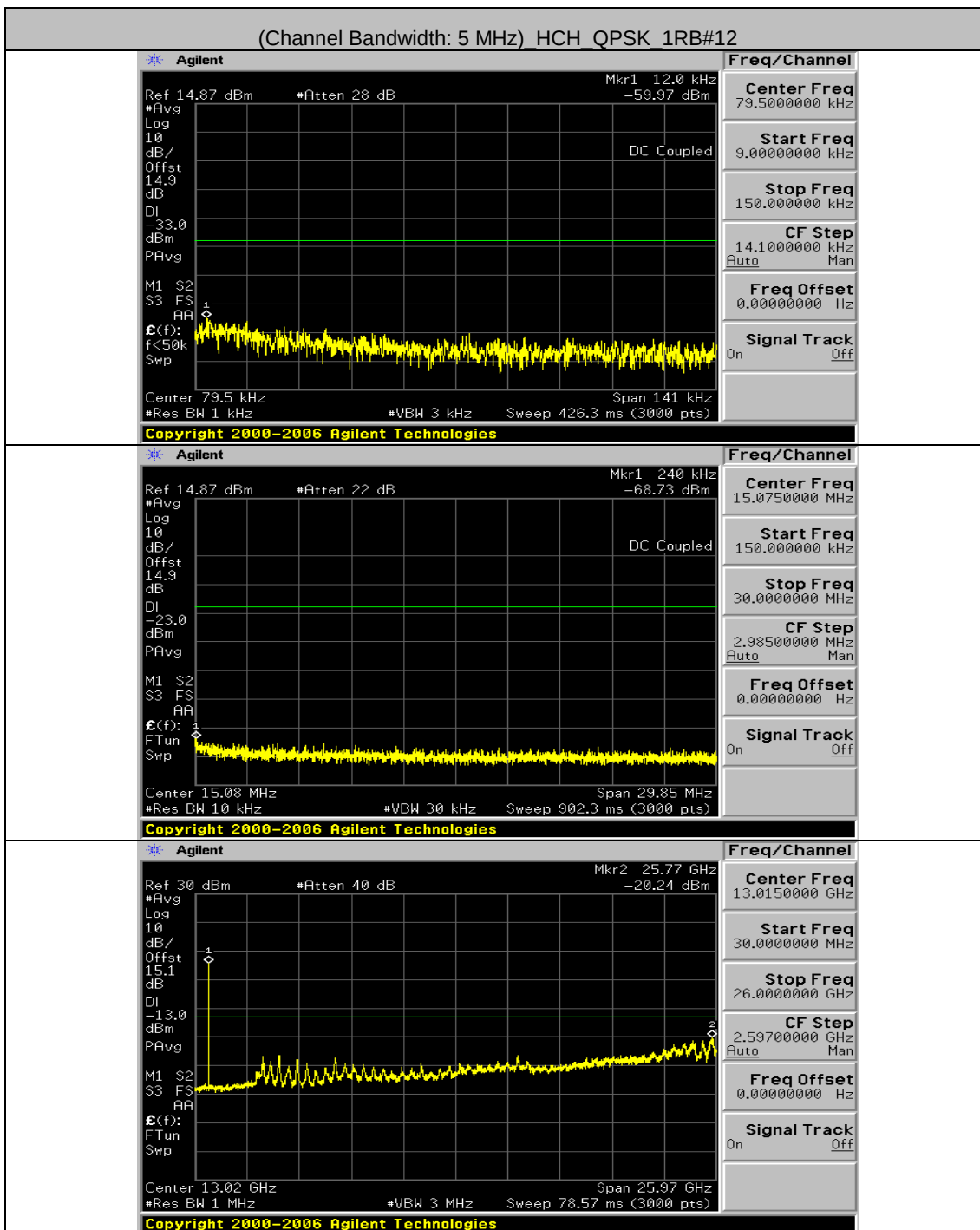


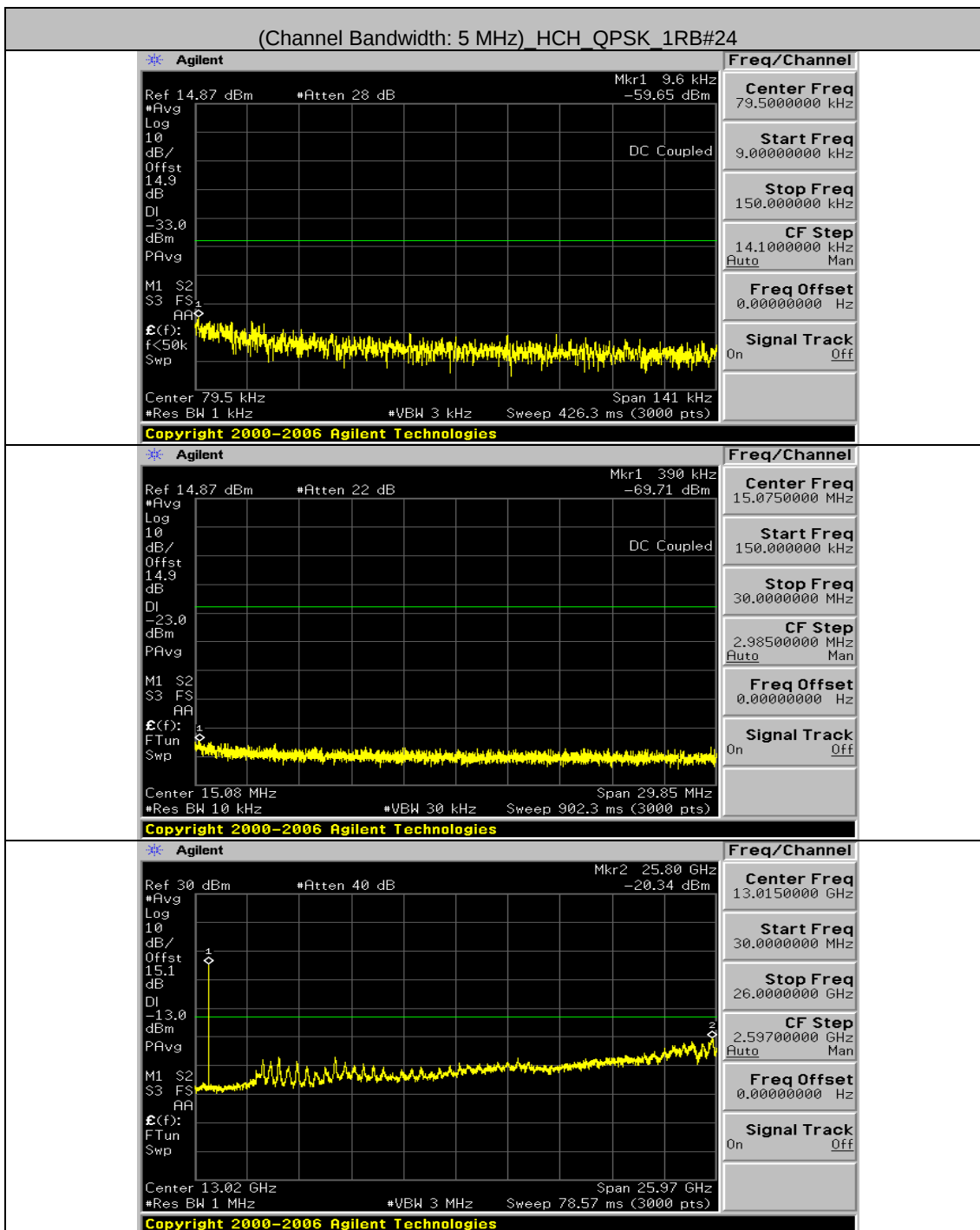


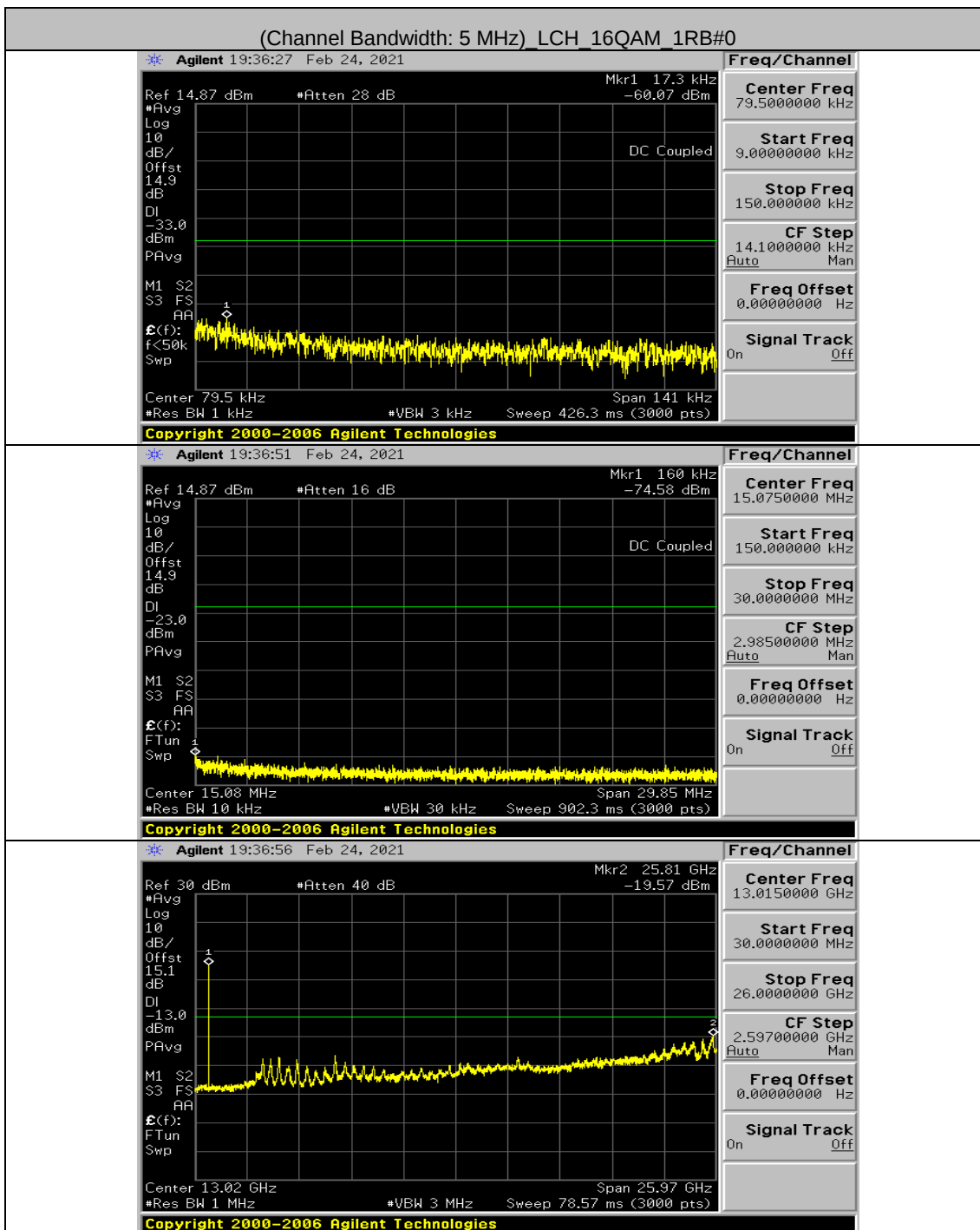


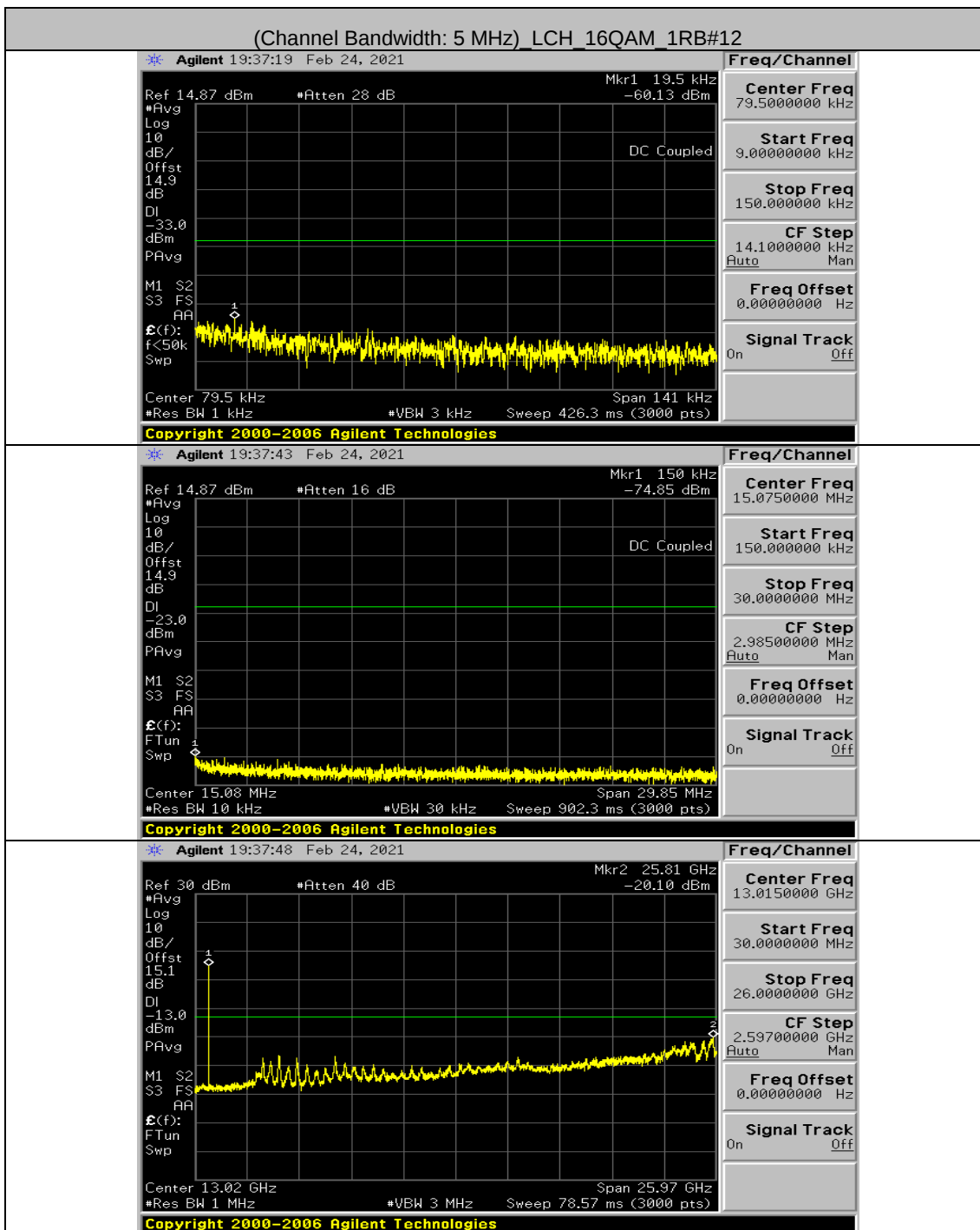


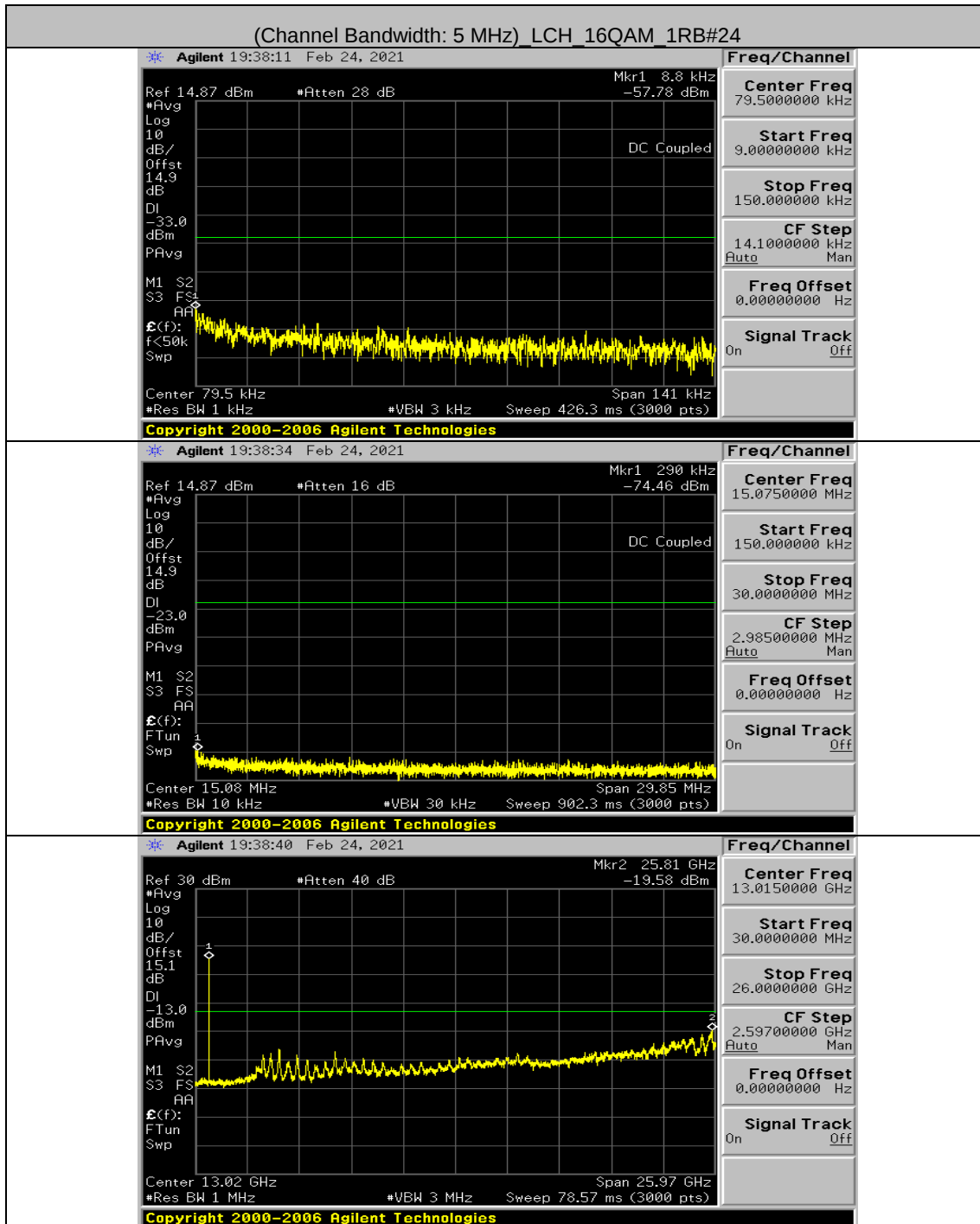


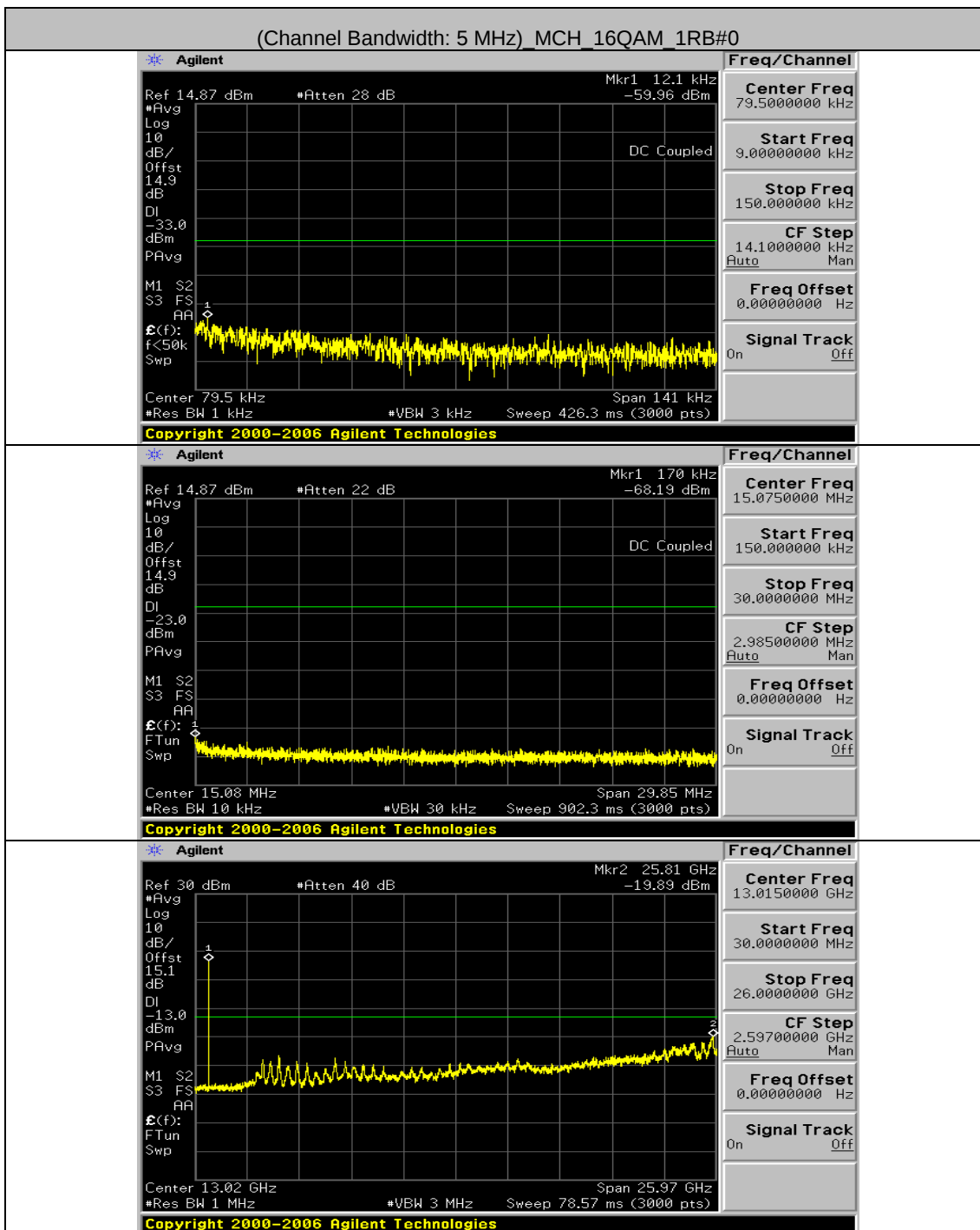


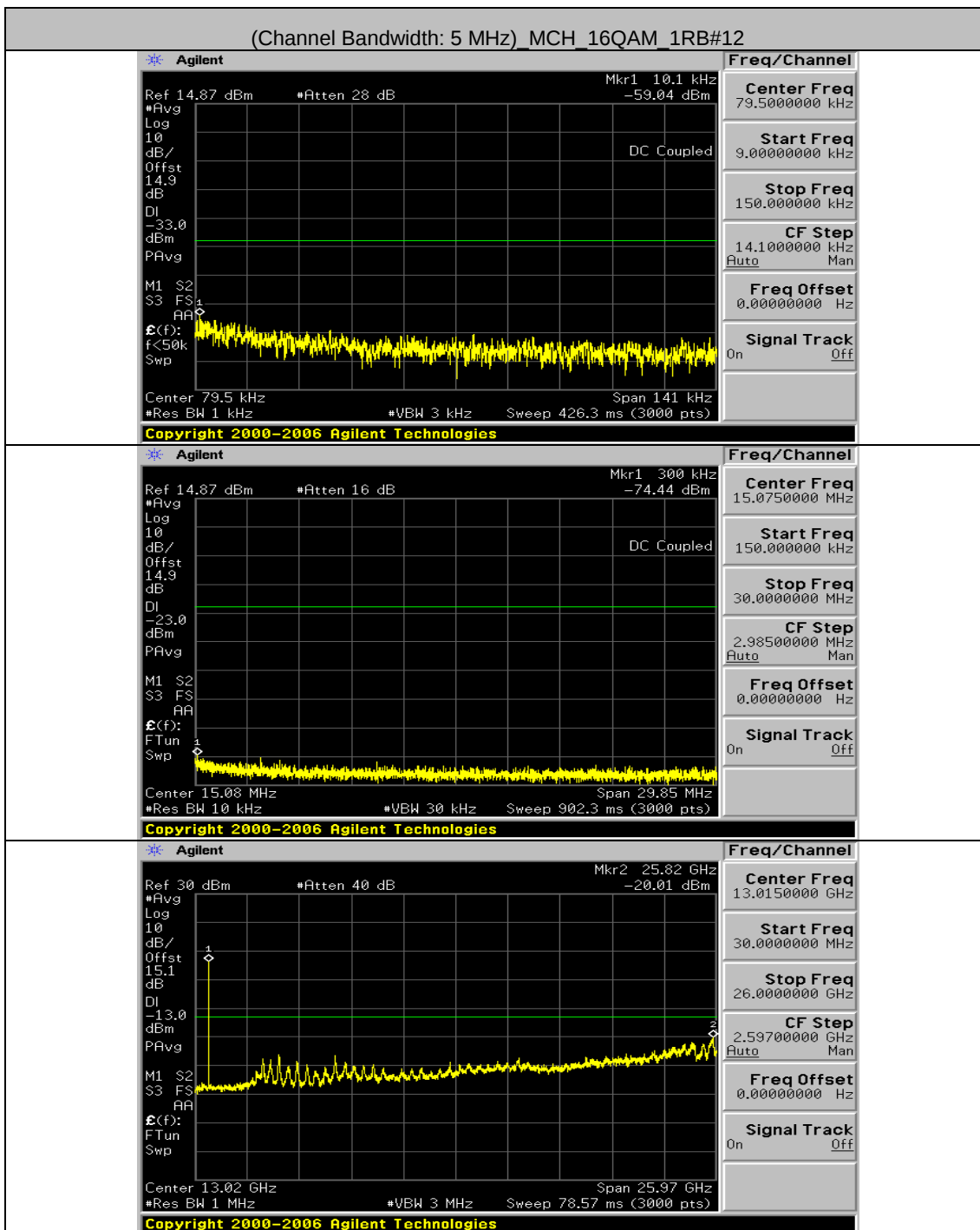


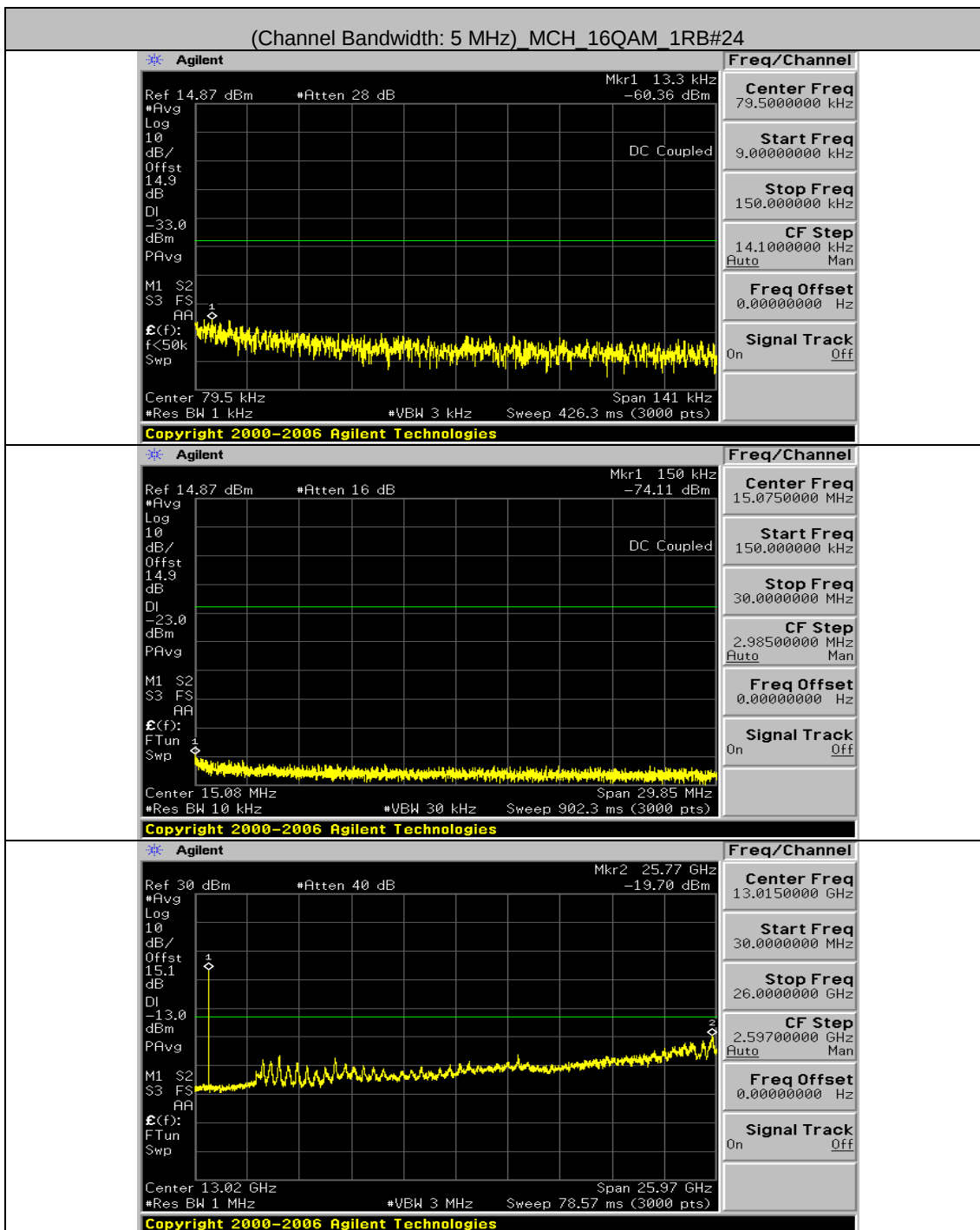


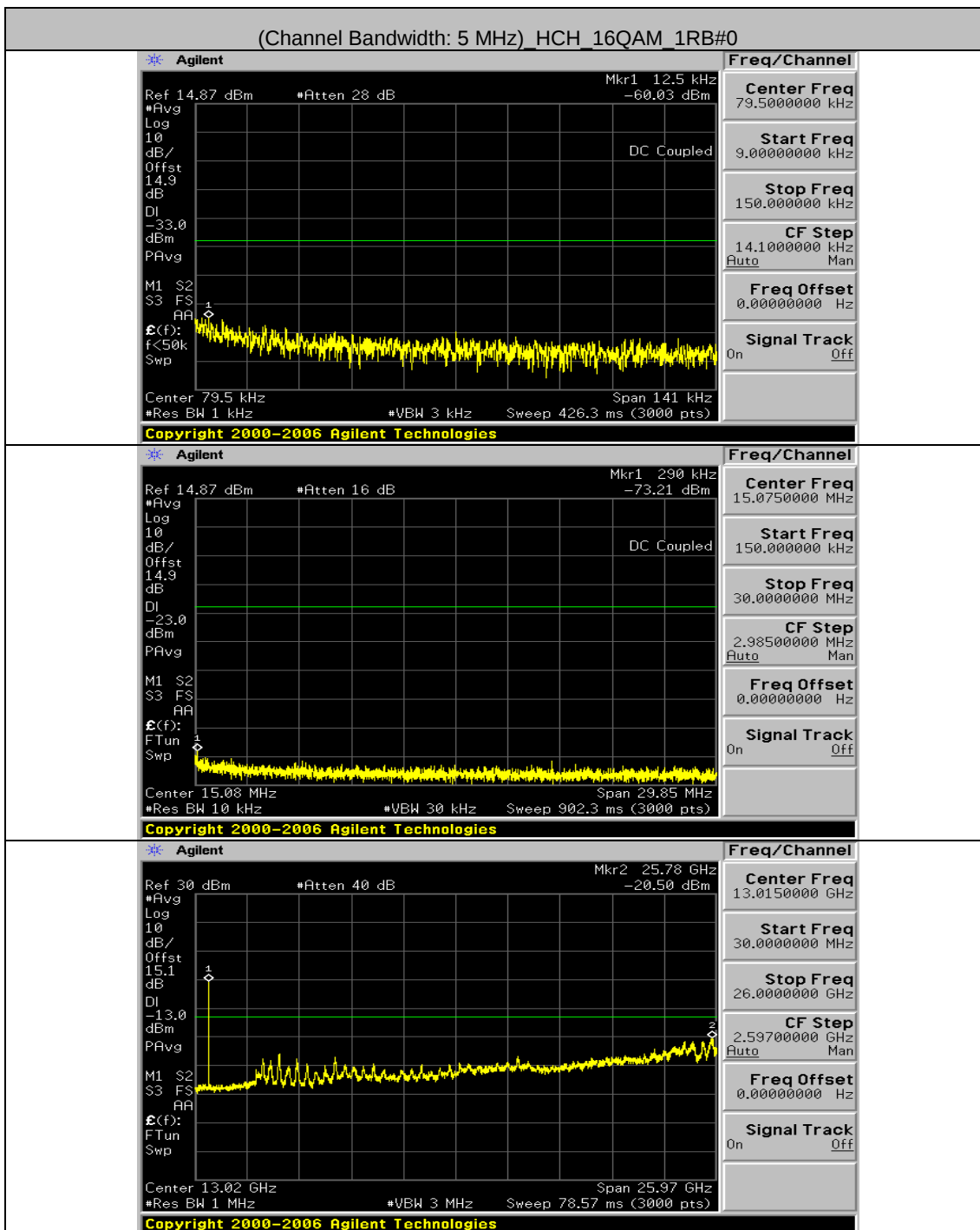


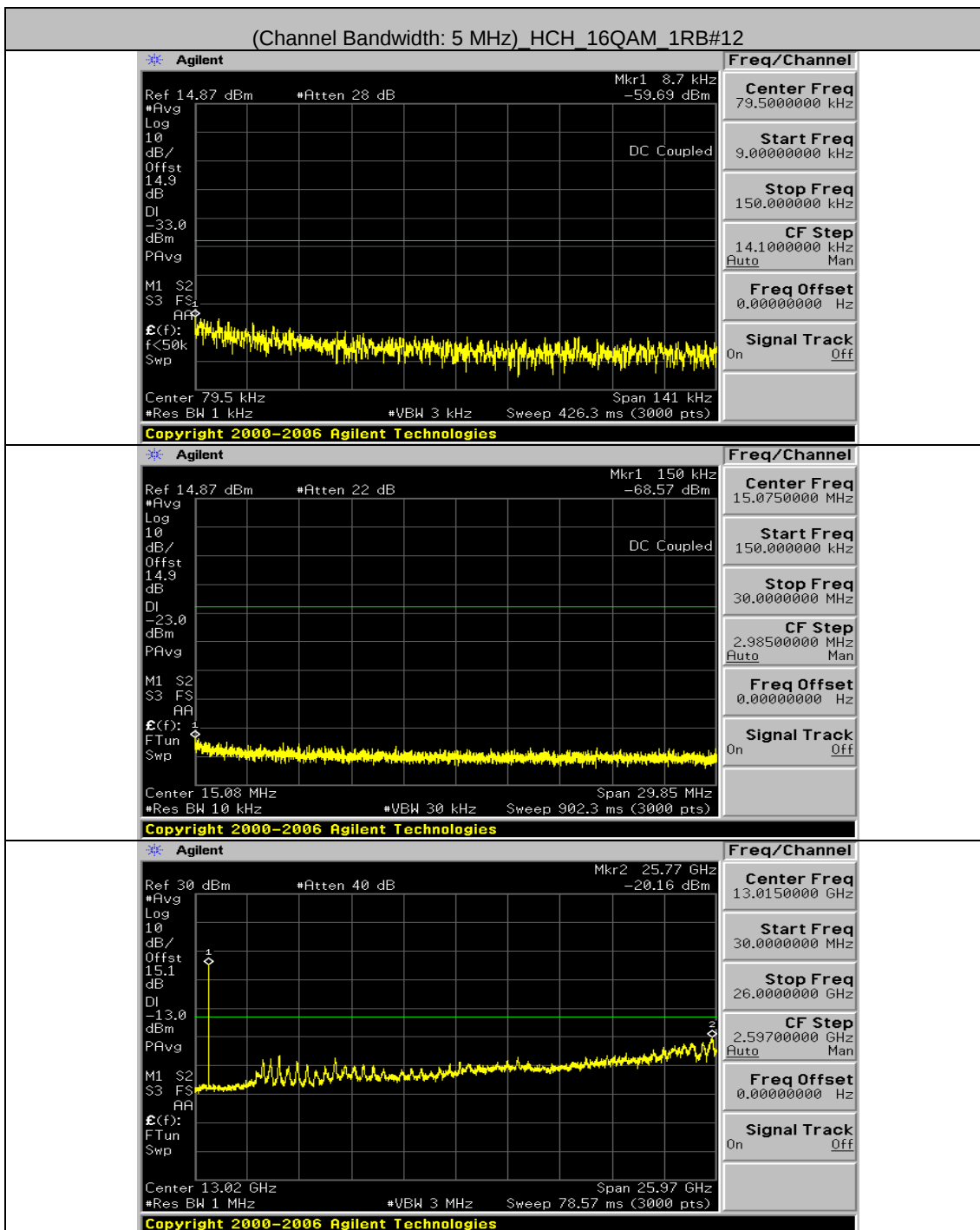


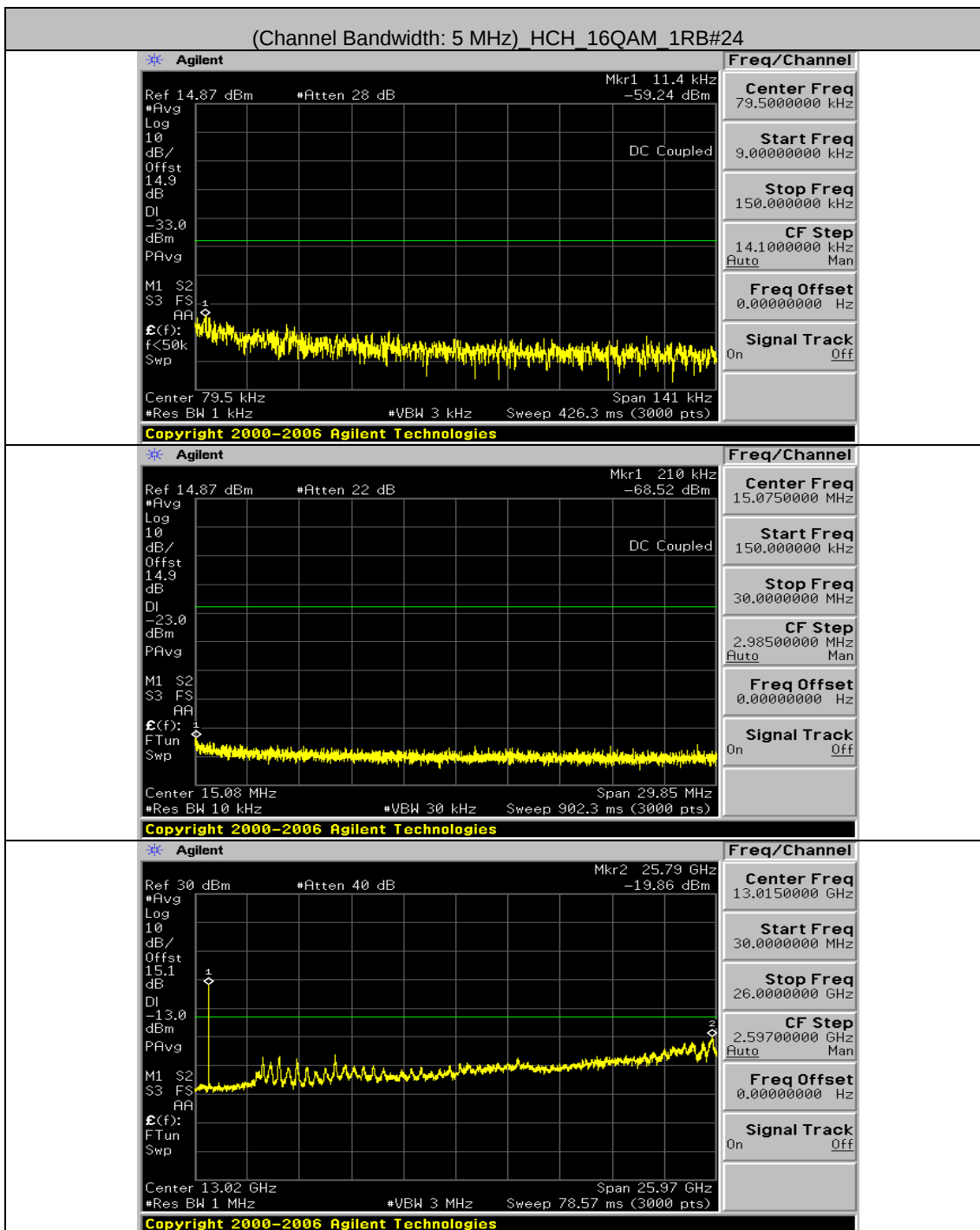




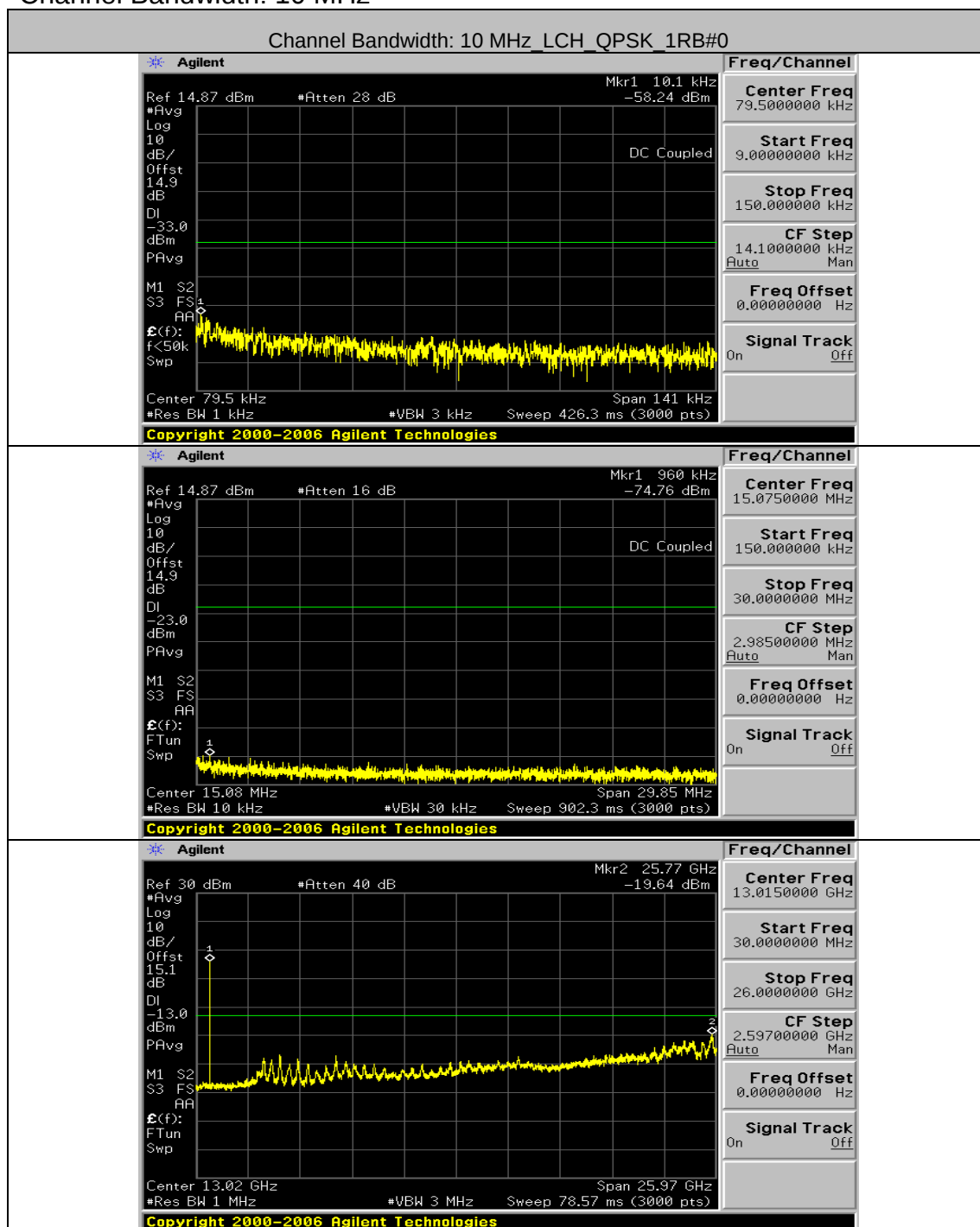


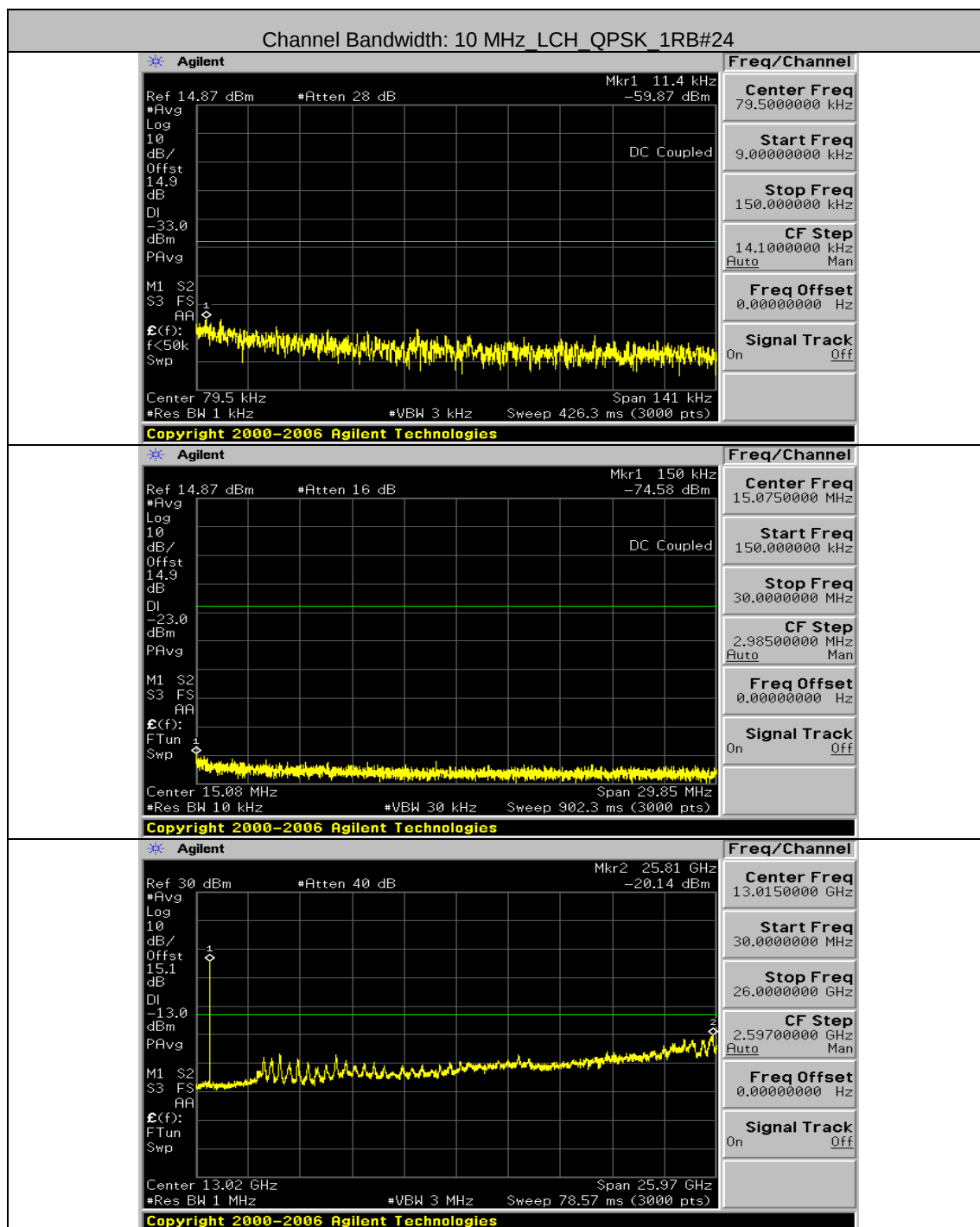


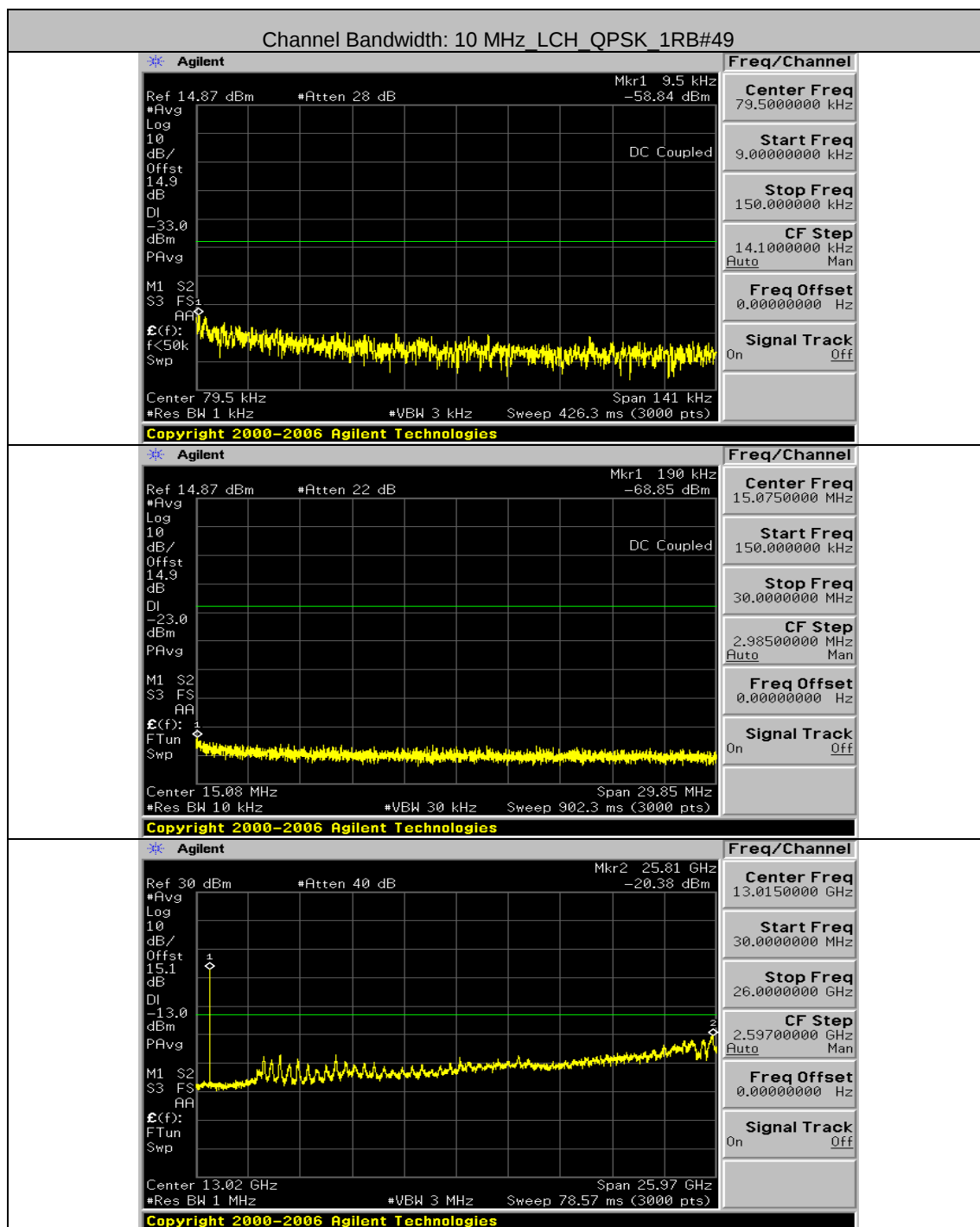


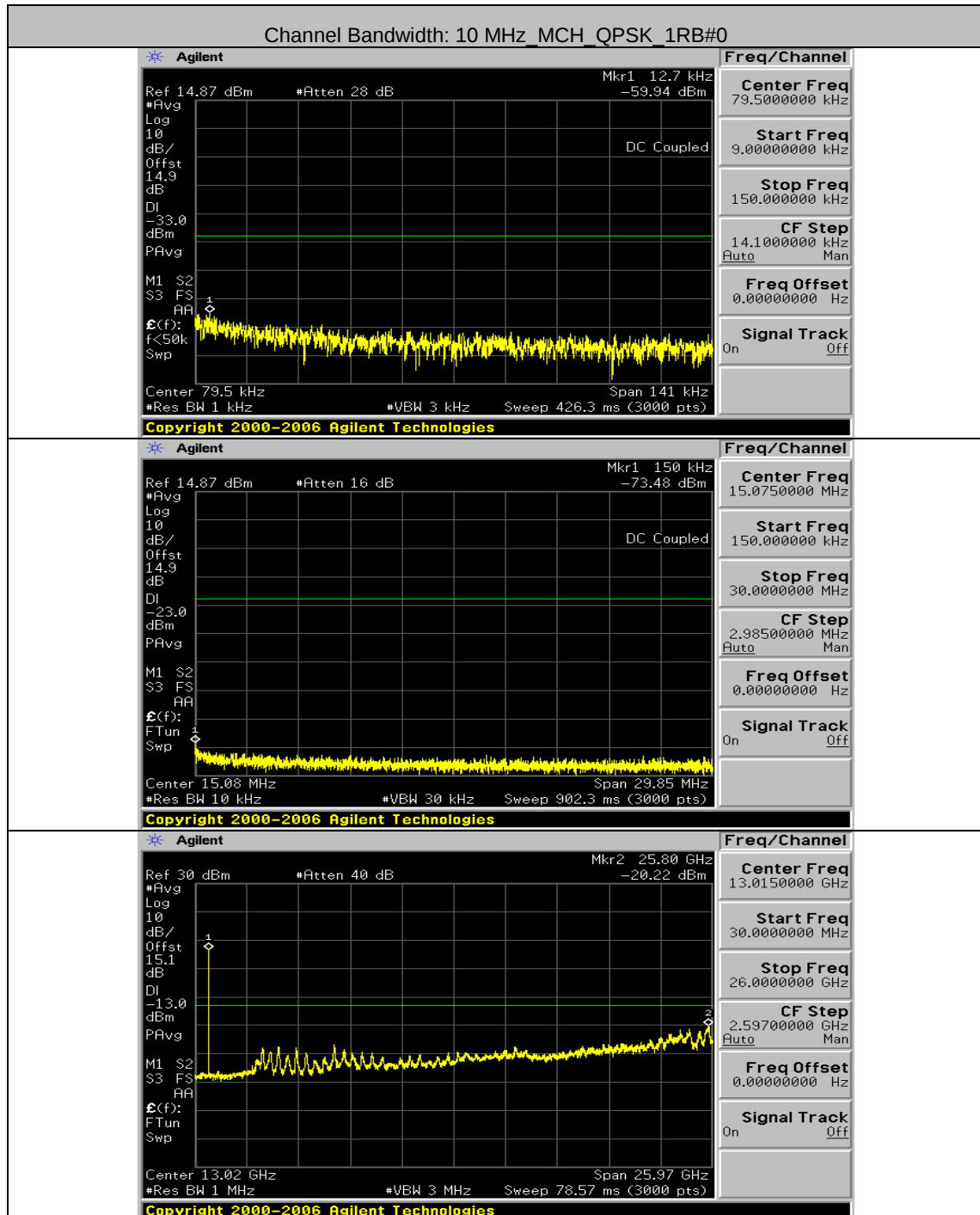


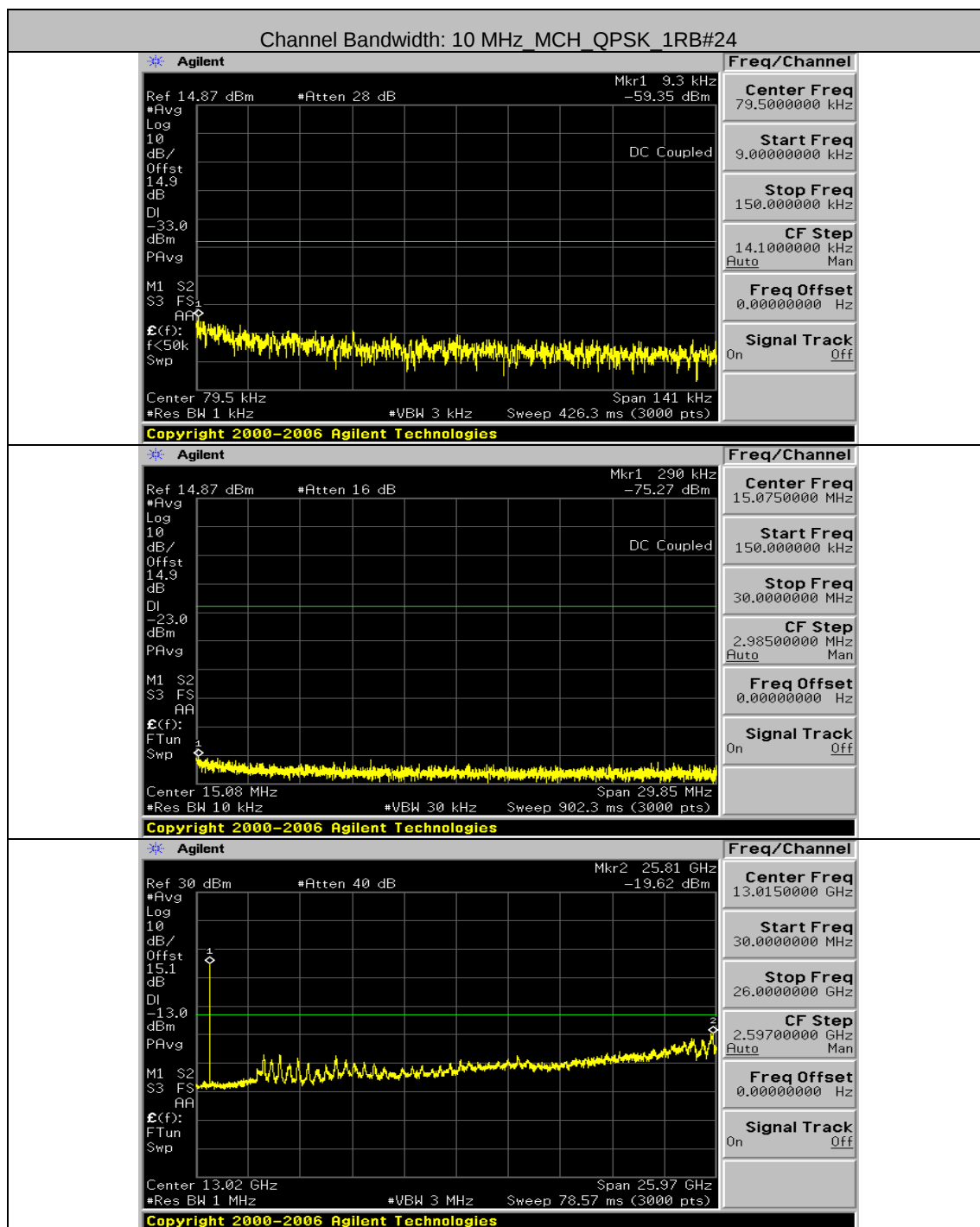
Channel Bandwidth: 10 MHz

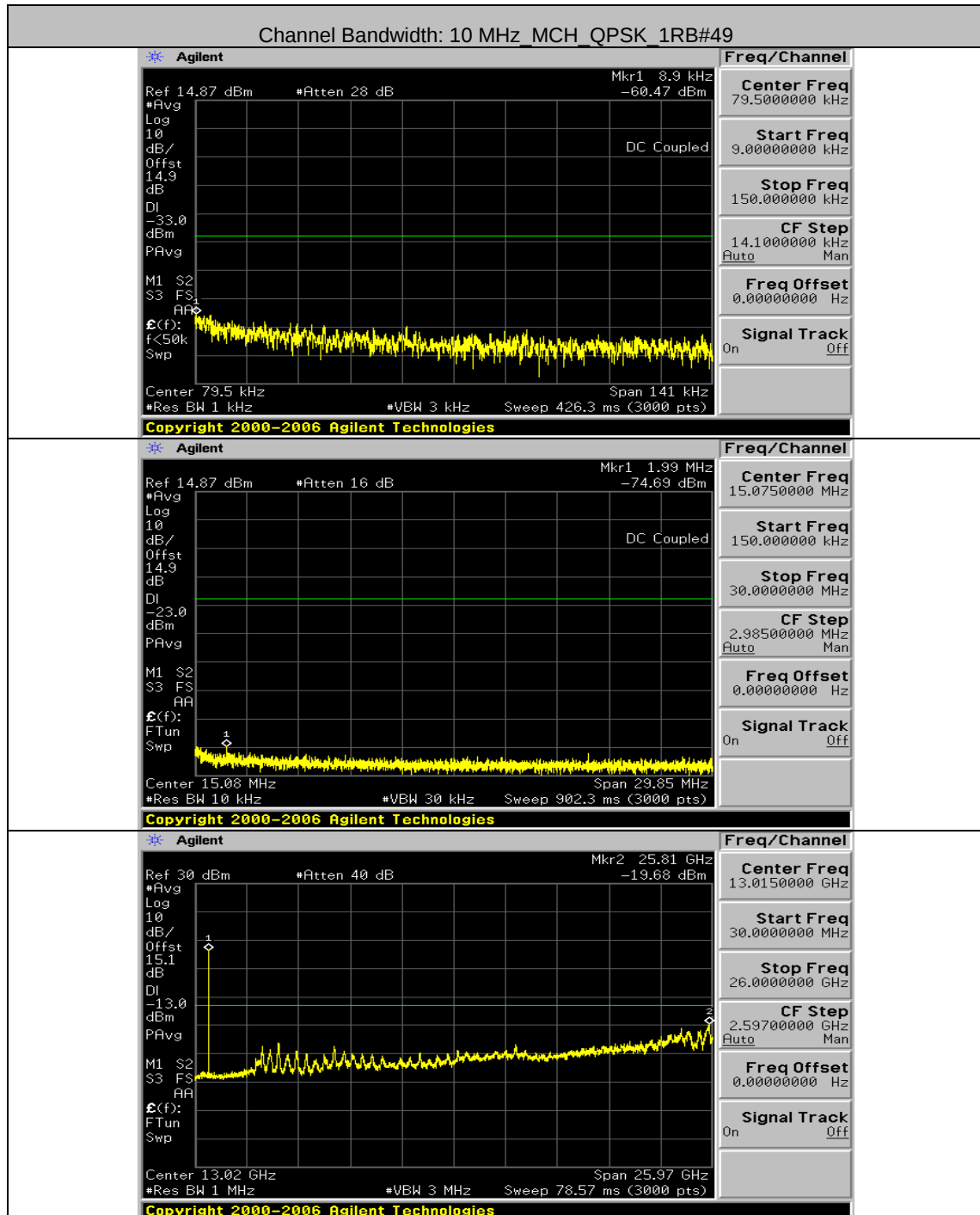


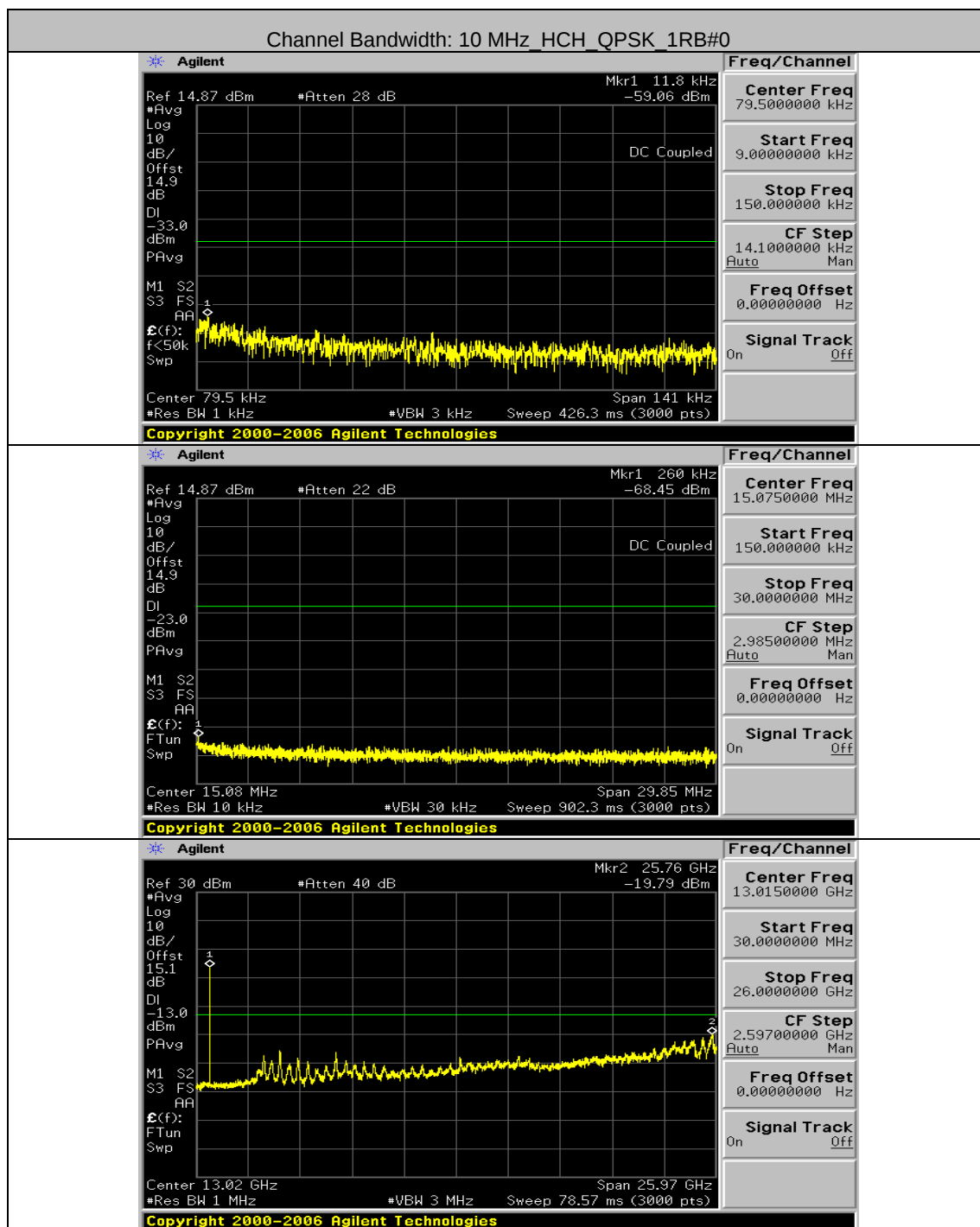


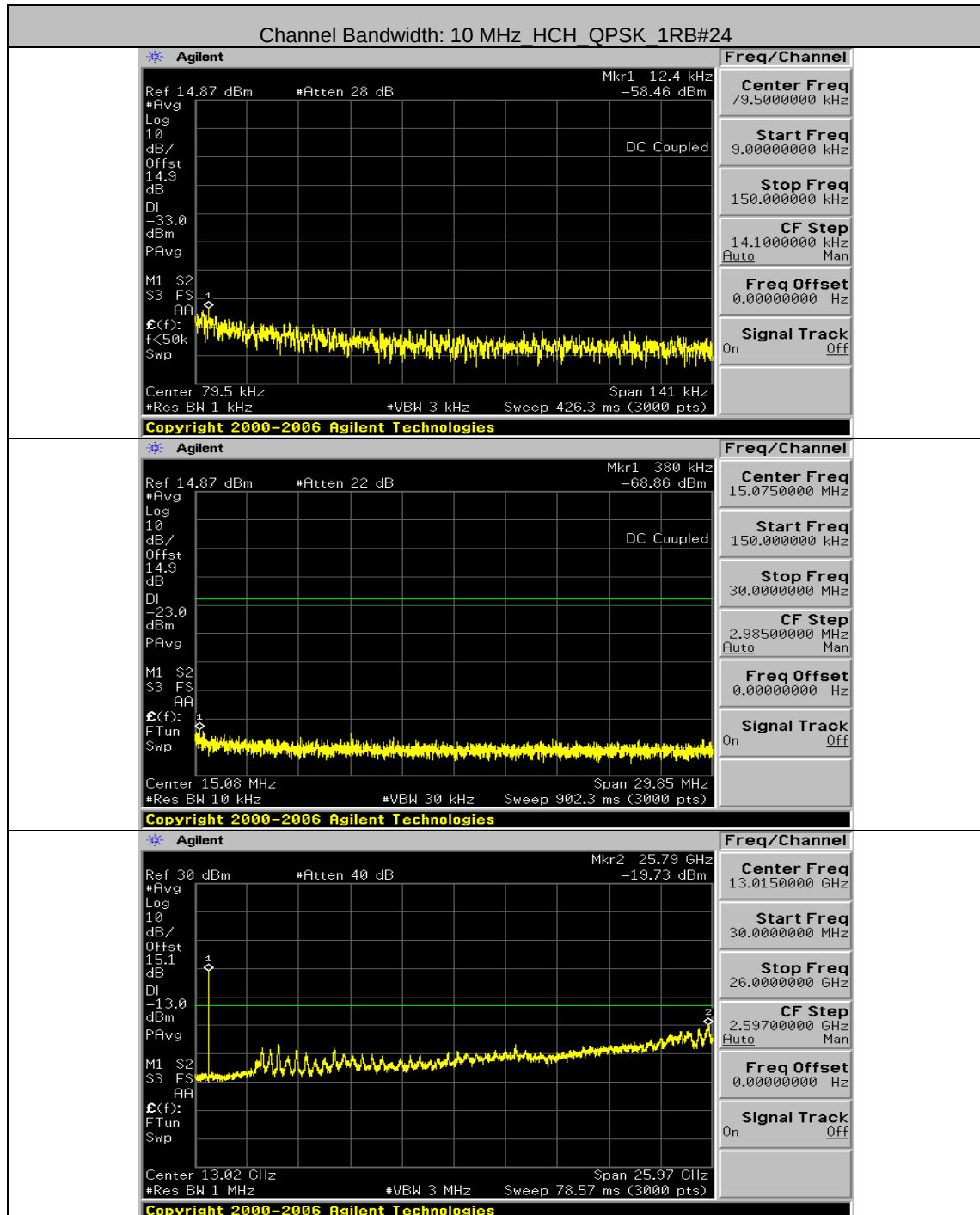


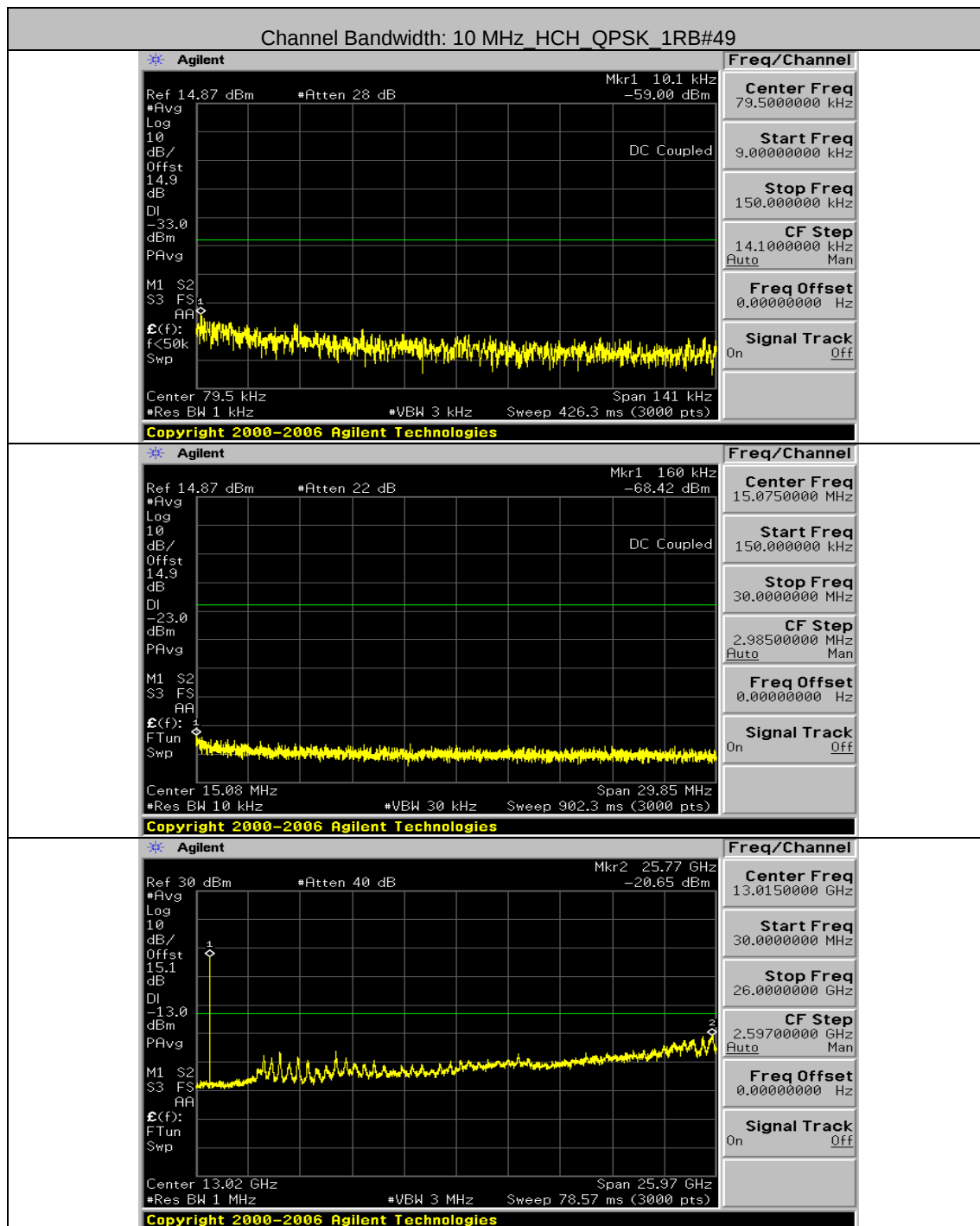


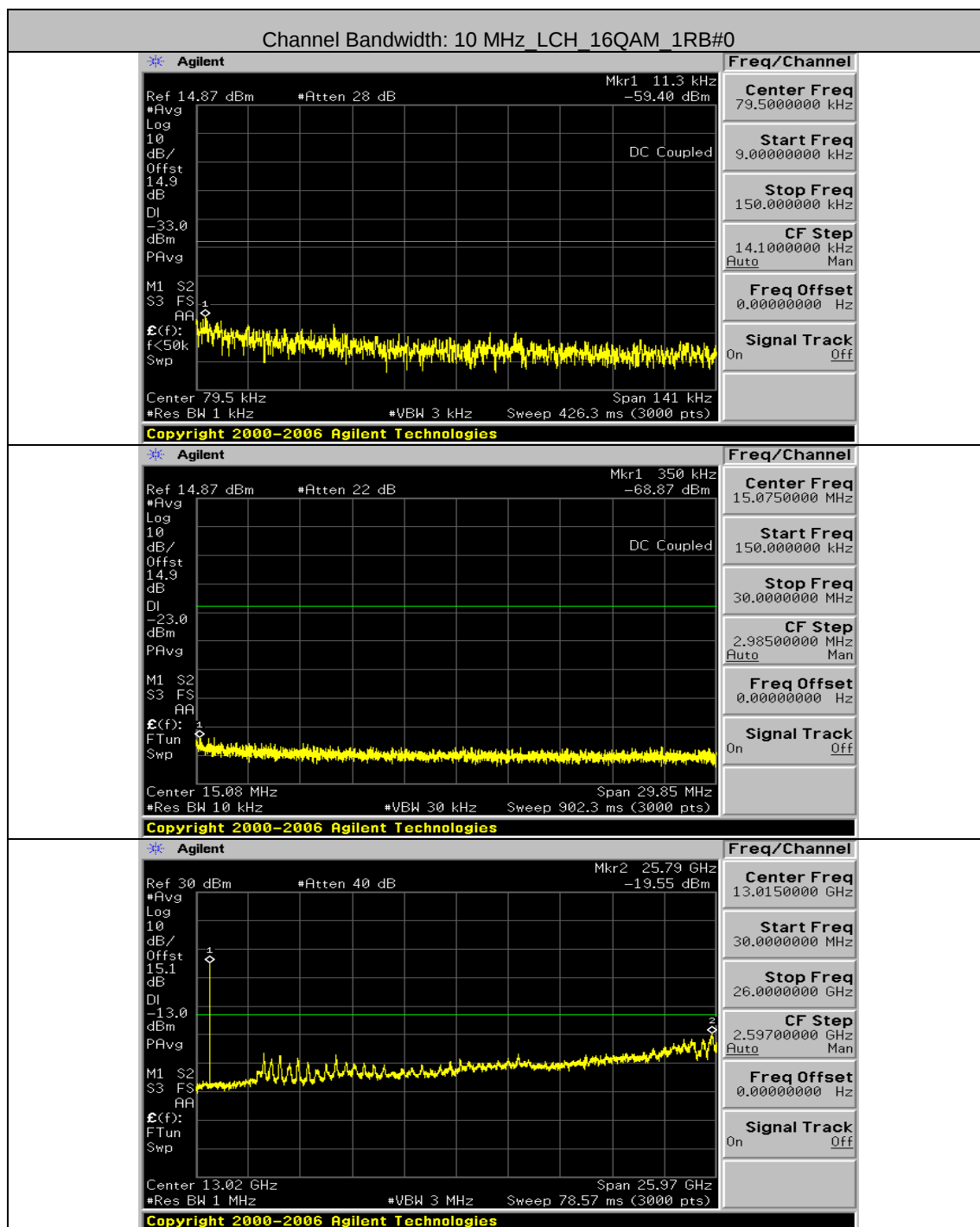


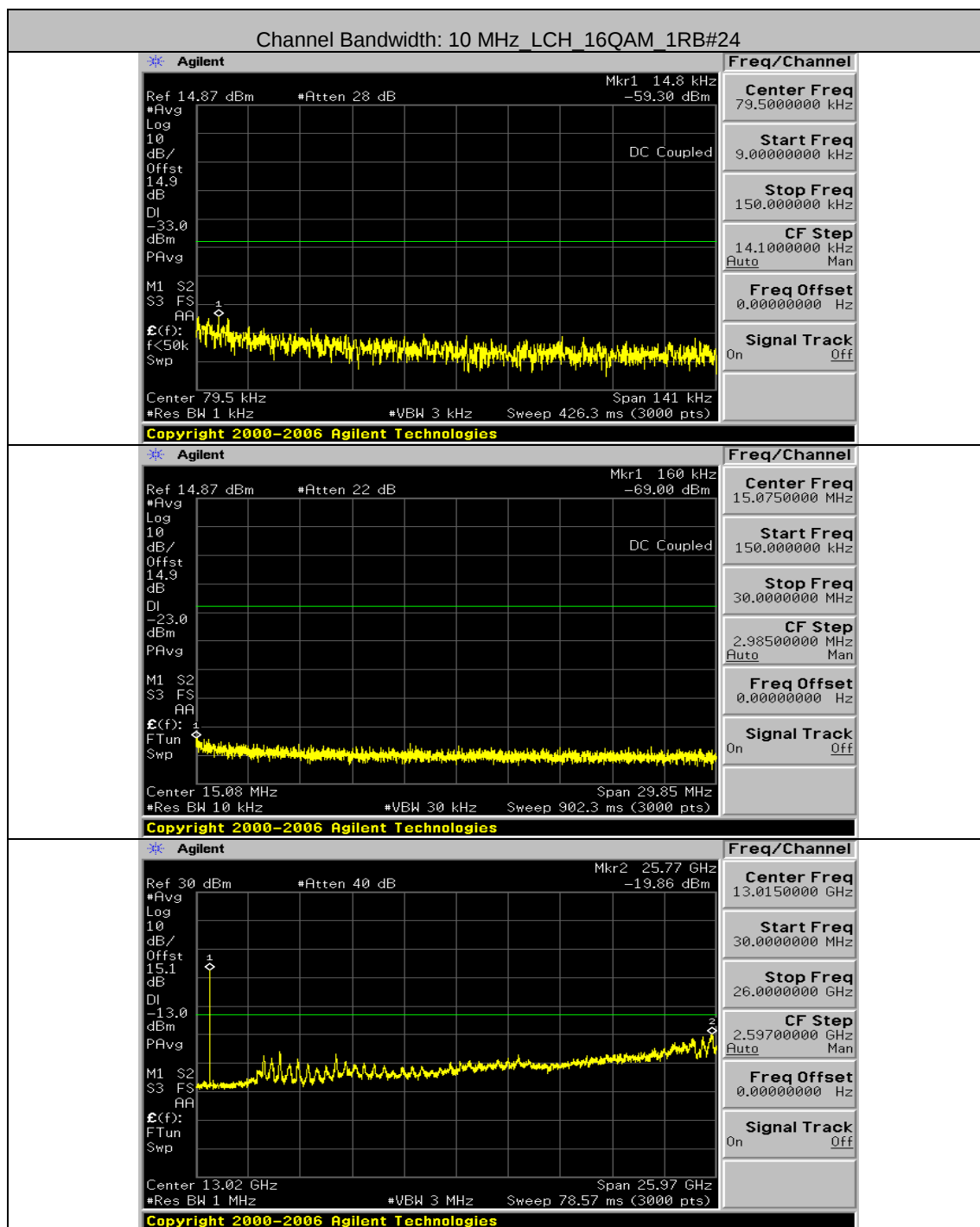


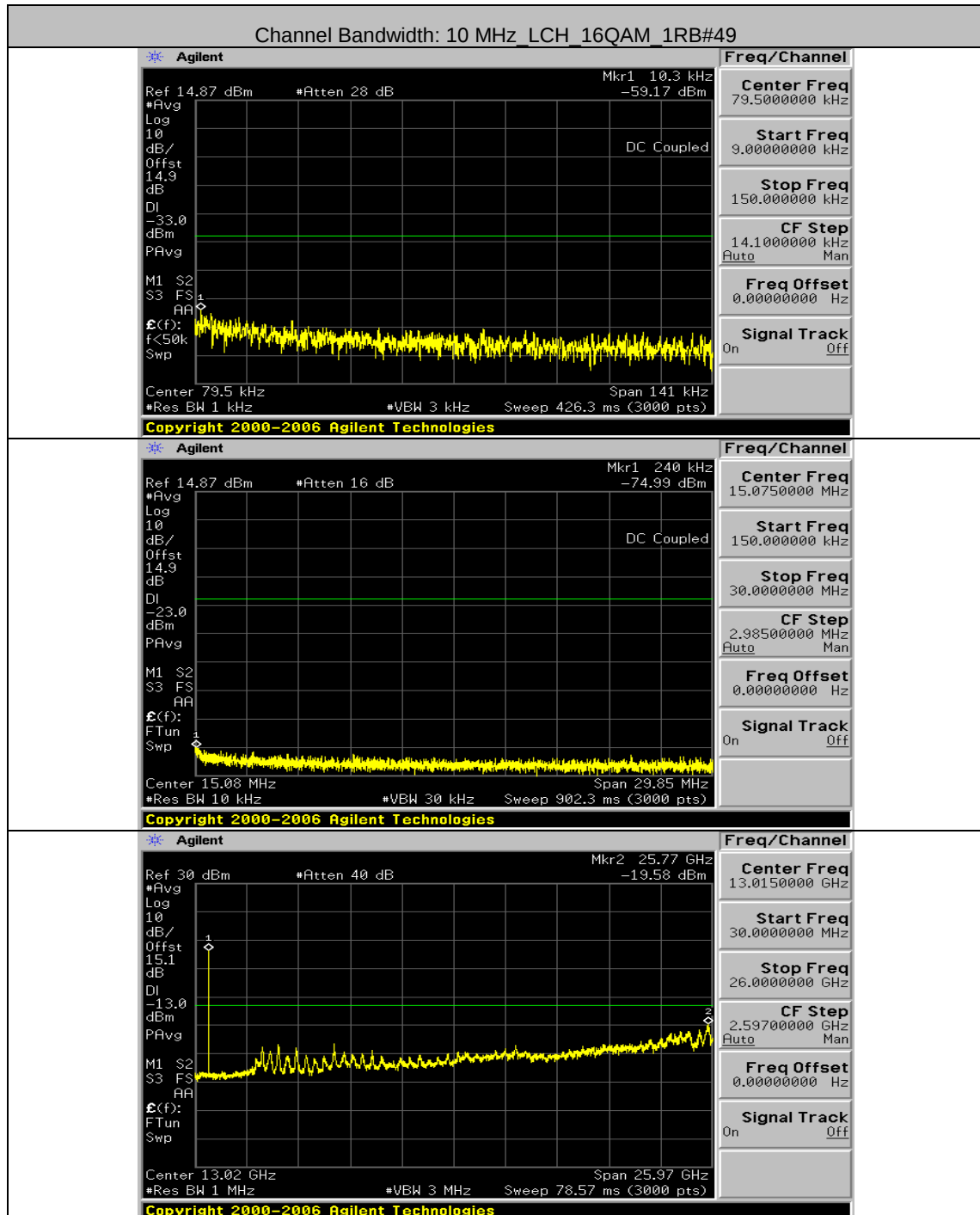


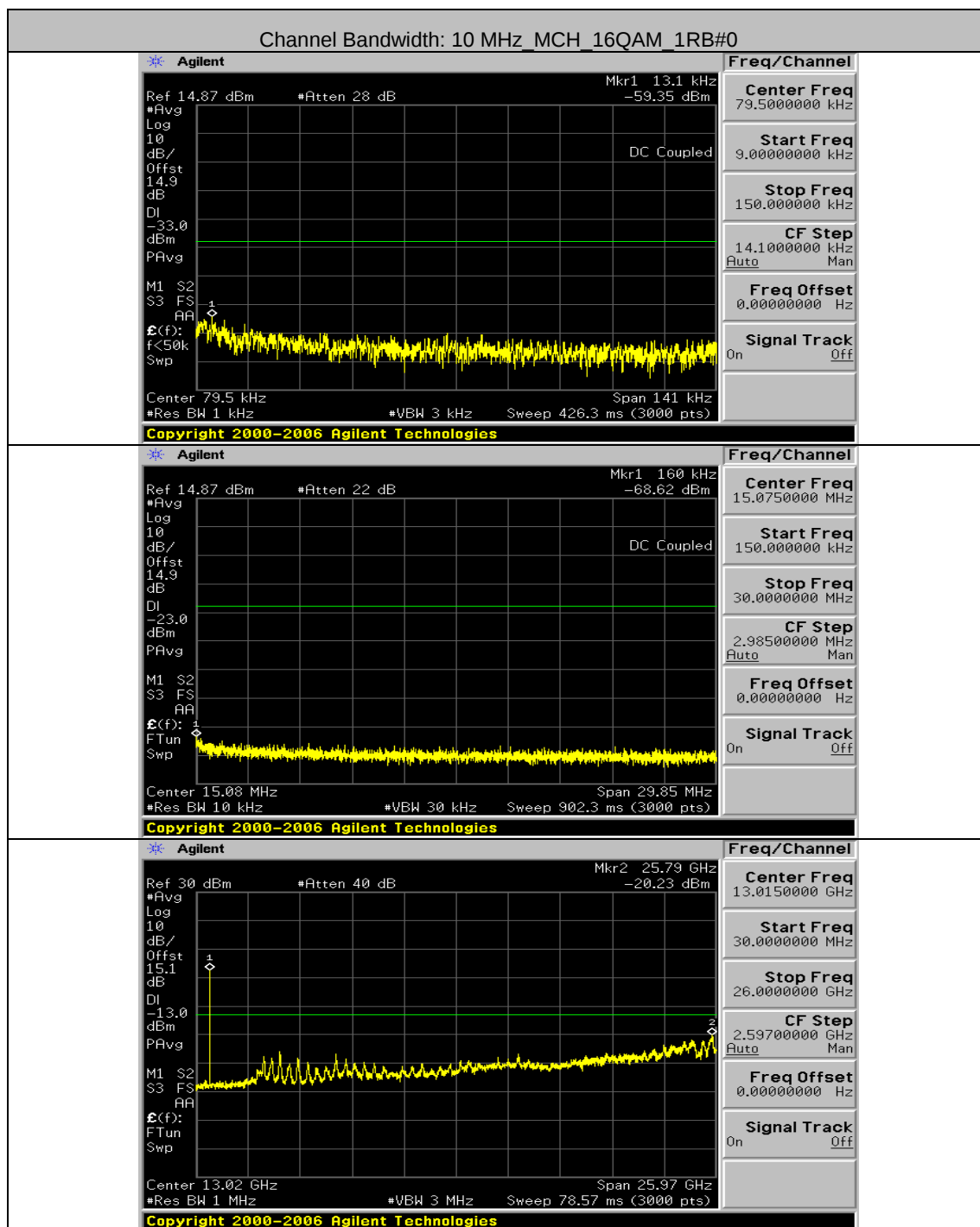


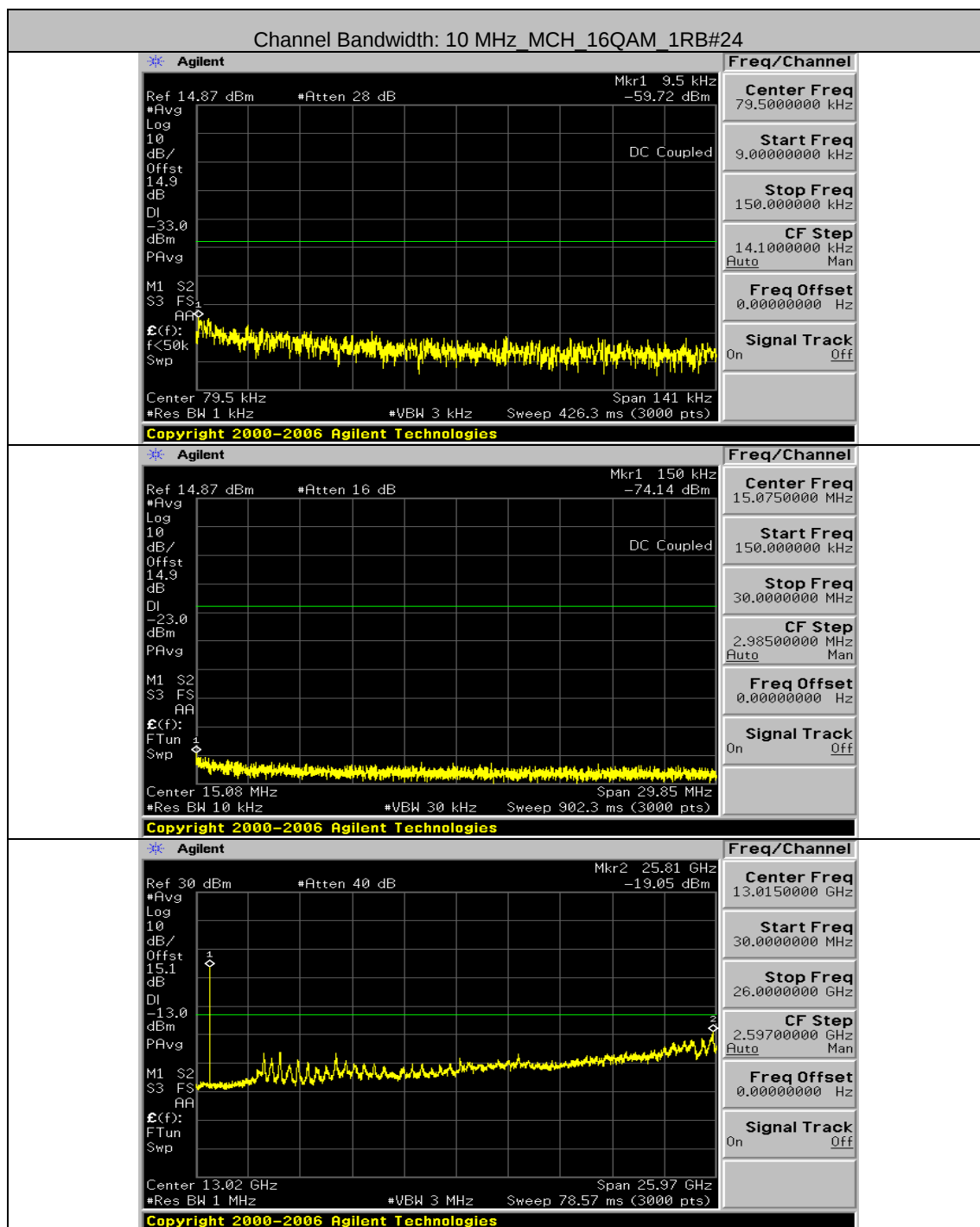


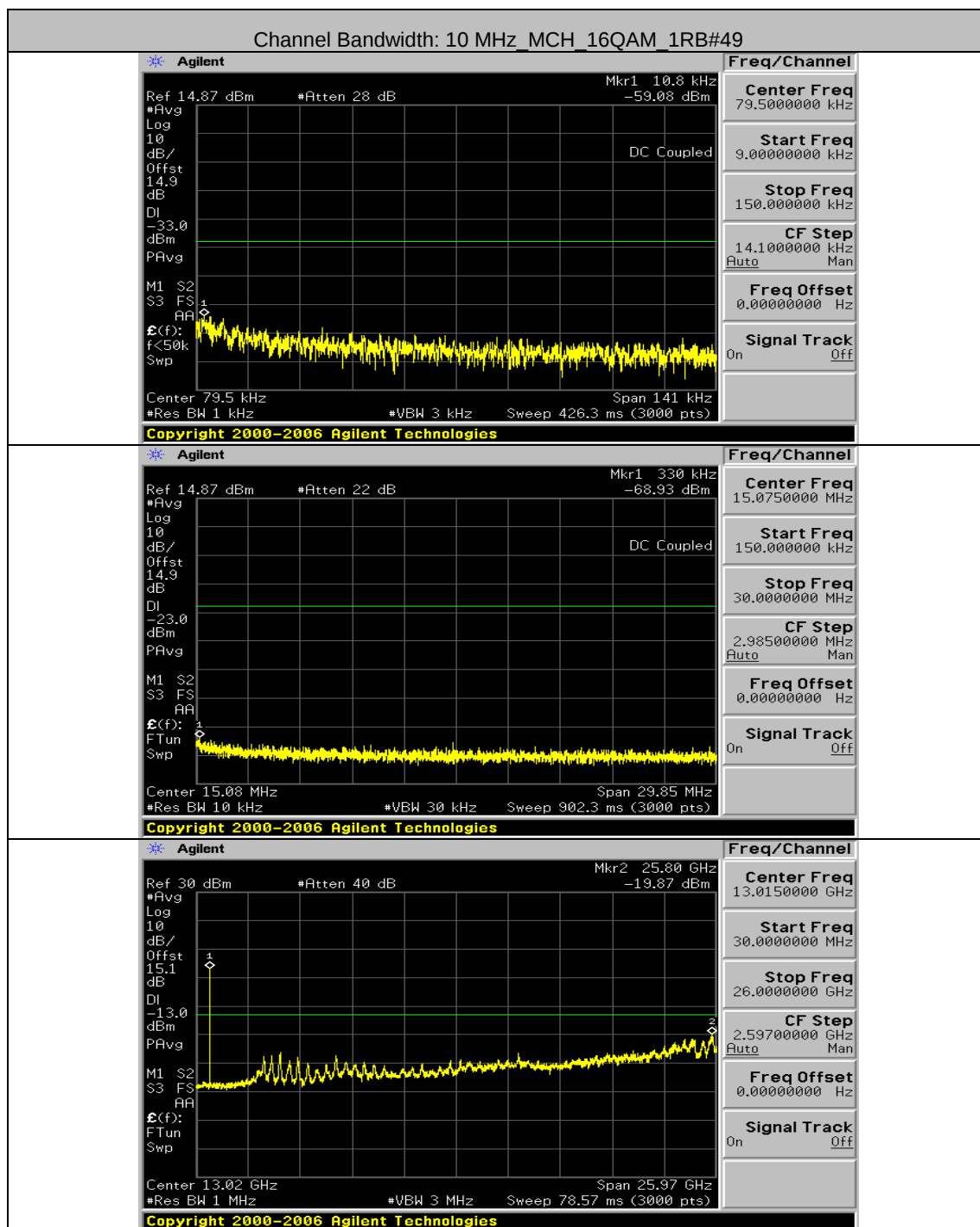


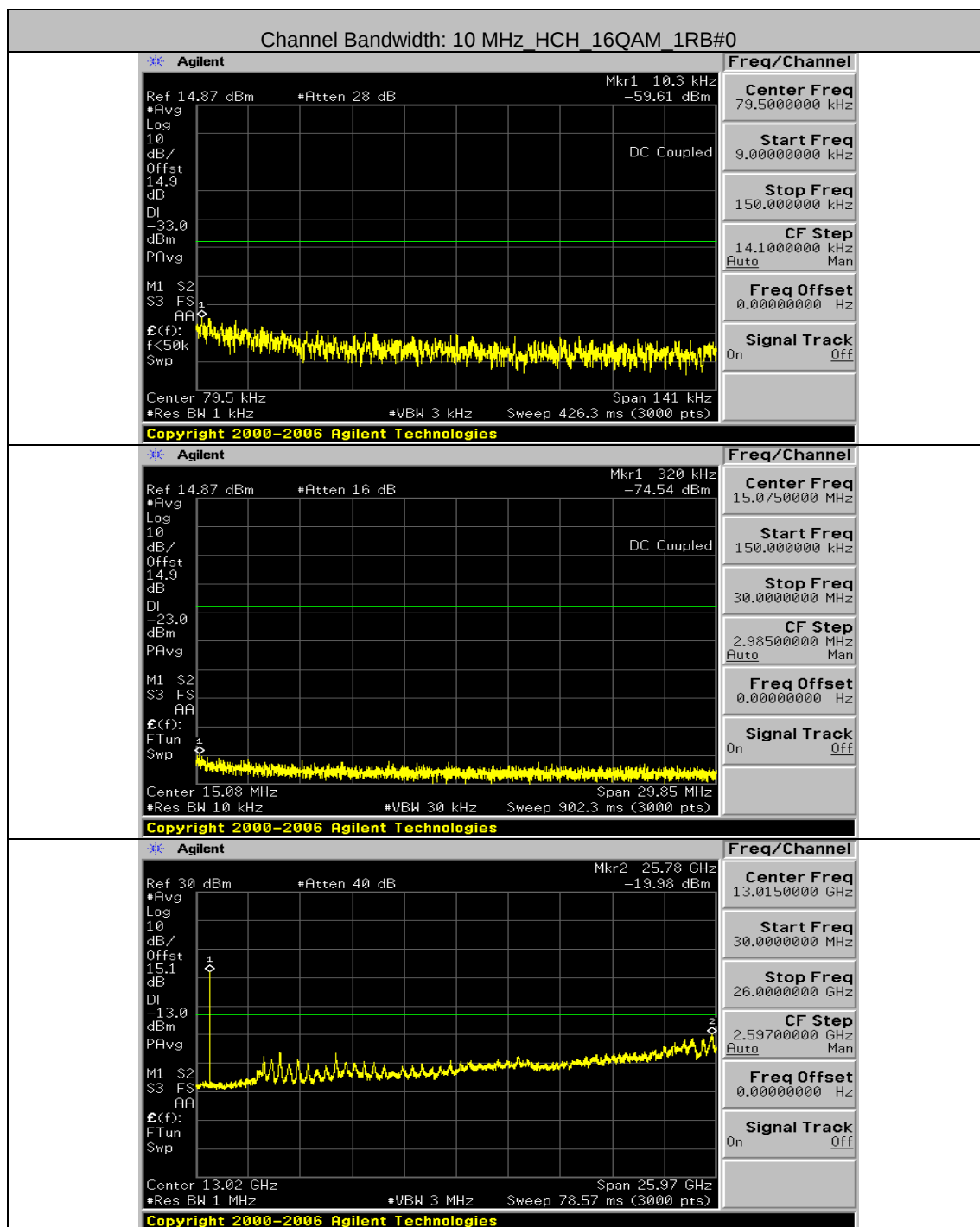


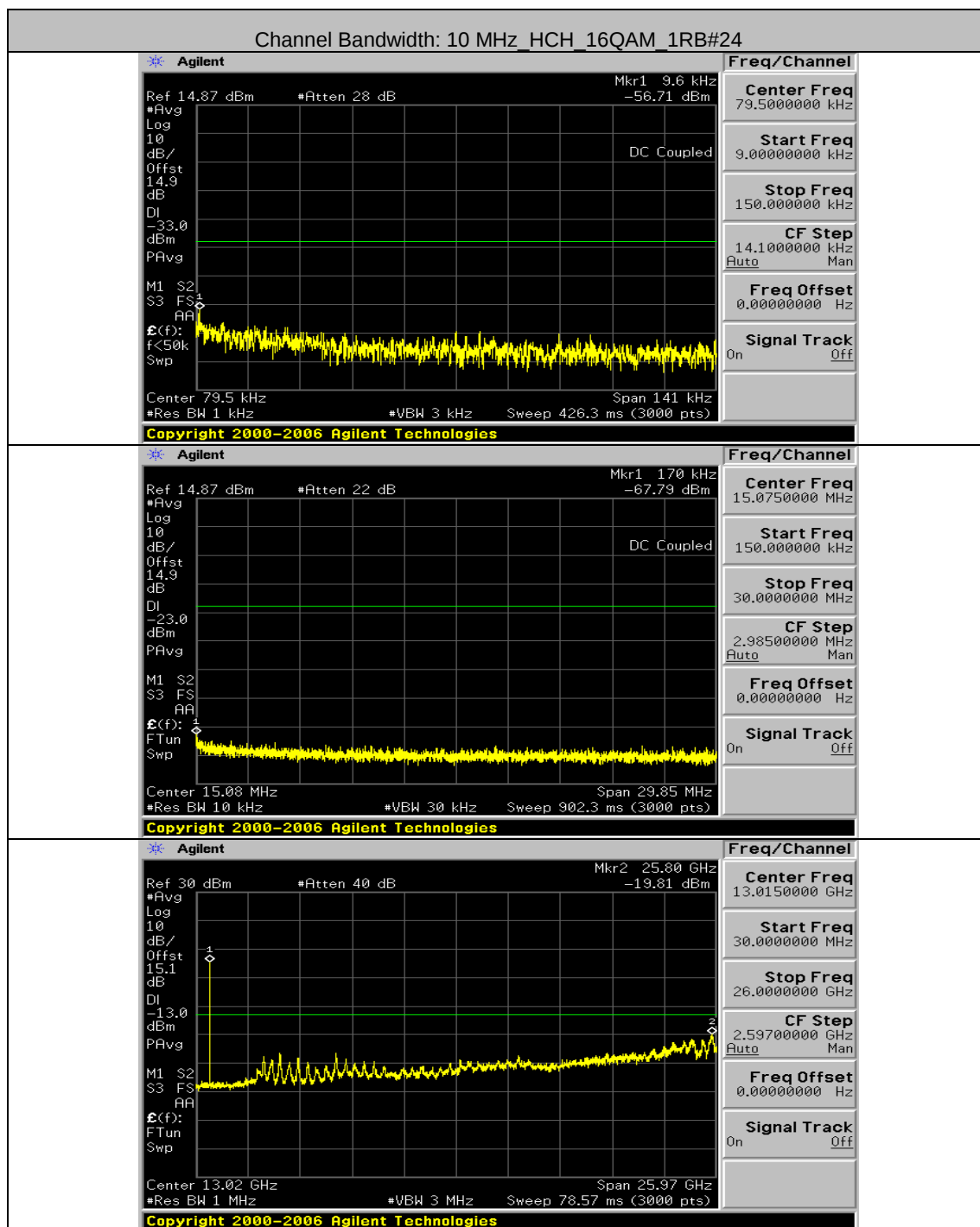


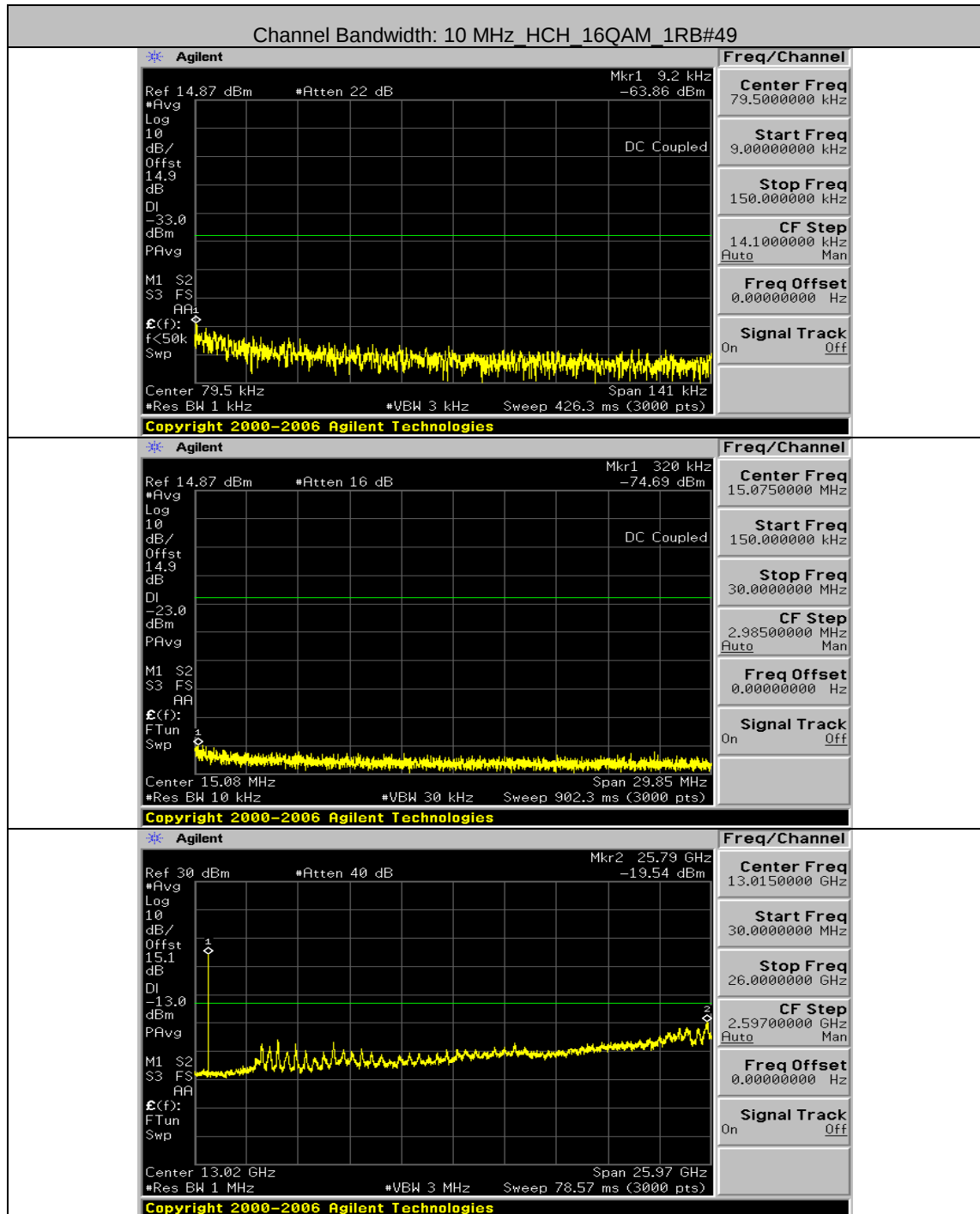












6 Field Strength of Spurious Radiation

GSM

Test Data:

Test Band=GSM850

Test Mode=GSM/TM1

Test Channel=LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
432.48	-41.41	-13	-28.41	Vertical
657.65	-39.91	-13	-26.91	Vertical
1648.400	-38.73	-13	-25.73	Vertical
2472.600	-42.96	-13	-29.96	Vertical
3296.800	-50.56	-13	-37.56	Vertical
435.91	-41.26	-13	-28.26	Horizontal
695.10	-40.84	-13	-27.84	Horizontal
1648.400	-50.05	-13	-37.05	Horizontal
2472.600	-45.78	-13	-32.78	Horizontal
3296.800	-51.30	-13	-38.30	Horizontal

Test Channel=MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
431.38	-41.74	-13	-28.74	Vertical
696.90	-39.89	-13	-26.89	Vertical
1673.200	-43.17	-13	-30.17	Vertical
2509.800	-44.47	-13	-31.47	Vertical
3346.400	-49.61	-13	-36.61	Vertical
437.12	-41.70	-13	-28.70	Horizontal
638.88	-39.62	-13	-26.62	Horizontal
1673.200	-43.00	-13	-30.00	Horizontal
2509.800	-46.12	-13	-33.12	Horizontal
3346.400	-51.35	-13	-38.35	Horizontal

Test Channel=HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
438.23	-42.25	-13	-29.25	Vertical
682.09	-40.65	-13	-27.65	Vertical
1697.600	-41.80	-13	-28.80	Vertical
2546.400	-42.00	-13	-29.00	Vertical
3395.200	-50.39	-13	-37.39	Vertical
426.30	-41.91	-13	-28.91	Horizontal
605.25	-41.24	-13	-28.24	Horizontal
1697.600	-43.18	-13	-30.18	Horizontal
2546.400	-45.75	-13	-32.75	Horizontal
3395.200	-50.78	-13	-37.78	Horizontal

Test Mode=GSM/TM2

Test Channel=LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
413.57	-41.04	-13	-28.04	Vertical
653.21	-40.04	-13	-27.04	Vertical
1648.400	-40.48	-13	-27.48	Vertical
2472.600	-43.15	-13	-30.15	Vertical
3296.800	-49.48	-13	-36.48	Vertical
428.13	-42.13	-13	-29.13	Horizontal
690.81	-41.37	-13	-28.37	Horizontal
1648.400	-51.25	-13	-38.25	Horizontal
2472.600	-45.82	-13	-32.82	Horizontal
3296.800	-51.50	-13	-38.50	Horizontal

Test Channel=MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
435.50	-41.57	-13	-28.57	Vertical
667.34	-39.83	-13	-26.83	Vertical
1673.200	-41.95	-13	-28.95	Vertical
2509.800	-45.37	-13	-32.37	Vertical
3346.400	-50.37	-13	-37.37	Vertical
441.33	-41.63	-13	-28.63	Horizontal
696.49	-40.11	-13	-27.11	Horizontal
1673.200	-43.11	-13	-30.11	Horizontal
2509.800	-45.72	-13	-32.72	Horizontal
3346.400	-51.58	-13	-38.58	Horizontal

Test Channel=HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
435.59	-41.08	-13	-28.08	Vertical
662.42	-39.97	-13	-26.97	Vertical
1697.600	-41.88	-13	-28.88	Vertical
2546.400	-41.93	-13	-28.93	Vertical
3395.200	-50.59	-13	-37.59	Vertical
443.03	-41.77	-13	-28.77	Horizontal
642.54	-39.93	-13	-26.93	Horizontal
1697.600	-42.17	-13	-29.17	Horizontal
2546.400	-45.55	-13	-32.55	Horizontal
3395.200	-51.50	-13	-38.50	Horizontal

Test Band=GSM1900

Test Mode=GSM/TM1

Test Channel=LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
436.85	-40.87	-13	-27.87	Vertical
688.49	-40.92	-13	-27.92	Vertical
3700.400	-40.14	-13	-27.14	Vertical
5550.600	-41.82	-13	-28.82	Vertical
7400.800	-48.71	-13	-35.71	Vertical
423.45	-42.06	-13	-29.06	Horizontal
682.82	-41.38	-13	-28.38	Horizontal
3700.400	-43.60	-13	-30.60	Horizontal
5550.600	-45.52	-13	-32.52	Horizontal
7400.800	-50.12	-13	-37.12	Horizontal

Test Channel=MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
420.34	-41.11	-13	-28.11	Vertical
632.84	-41.18	-13	-28.18	Vertical
3760.000	-39.64	-13	-26.64	Vertical
5640.000	-42.73	-13	-29.73	Vertical
7520.000	-50.30	-13	-37.30	Vertical
410.66	-42.52	-13	-29.52	Horizontal
606.93	-40.90	-13	-27.90	Horizontal
3760.000	-42.79	-13	-29.79	Horizontal
5640.000	-46.25	-13	-33.25	Horizontal
7520.000	-50.36	-13	-37.36	Horizontal

Test Channel=HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
440.29	-41.57	-13	-28.57	Vertical
609.94	-40.20	-13	-27.20	Vertical
3819.600	-42.50	-13	-29.50	Vertical
5729.400	-43.21	-13	-30.21	Vertical
7639.200	-49.90	-13	-36.90	Vertical
418.14	-41.74	-13	-28.74	Horizontal
611.49	-40.15	-13	-27.15	Horizontal
3819.600	-42.09	-13	-29.09	Horizontal
5729.400	-45.11	-13	-32.11	Horizontal
7639.200	-50.40	-13	-37.40	Horizontal

Test Mode=GSM/TM2

Test Channel=LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
411.27	-41.48	-13	-28.48	Vertical
609.44	-40.53	-13	-27.53	Vertical
3700.400	-38.62	-13	-25.62	Vertical
5550.600	-42.66	-13	-29.66	Vertical
7400.800	-49.01	-13	-36.01	Vertical
415.56	-41.84	-13	-28.84	Horizontal
694.36	-39.67	-13	-26.67	Horizontal
3700.400	-42.89	-13	-29.89	Horizontal
5550.600	-44.97	-13	-31.97	Horizontal
7400.800	-49.91	-13	-36.91	Horizontal

Test Channel=MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
443.85	-41.70	-13	-28.70	Vertical
623.57	-40.72	-13	-27.72	Vertical
3760.000	-40.10	-13	-27.10	Vertical
5640.000	-43.11	-13	-30.11	Vertical
7520.000	-50.43	-13	-37.43	Vertical
430.00	-40.71	-13	-27.71	Horizontal
676.79	-41.52	-13	-28.52	Horizontal
3760.000	-41.61	-13	-28.61	Horizontal
5640.000	-44.83	-13	-31.83	Horizontal
7520.000	-51.21	-13	-38.21	Horizontal

Test Channel=HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
416.91	-42.29	-13	-29.29	Vertical
615.89	-40.05	-13	-27.05	Vertical
3819.600	-39.52	-13	-26.52	Vertical
5729.400	-43.54	-13	-30.54	Vertical
7639.200	-49.83	-13	-36.83	Vertical
415.35	-41.04	-13	-28.04	Horizontal
669.04	-39.73	-13	-26.73	Horizontal
3819.600	-42.06	-13	-29.06	Horizontal
5729.400	-46.42	-13	-33.42	Horizontal
7639.200	-50.07	-13	-37.07	Horizontal

WCDMA**Test Data:**

Test Band=WCDMA850

Test Mode=UMTS/TM1

Test Channel=LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
417.28	-42.46	-13	-29.46	Vertical
645.72	-41.52	-13	-28.52	Vertical
1652.800	-39.80	-13	-26.80	Vertical
2479.200	-43.51	-13	-30.51	Vertical
3305.600	-48.67	-13	-35.67	Vertical
414.39	-40.71	-13	-27.71	Horizontal
606.86	-41.18	-13	-28.18	Horizontal
1652.800	-42.62	-13	-29.62	Horizontal
2479.200	-44.89	-13	-31.89	Horizontal
3305.600	-51.24	-13	-38.24	Horizontal

Test Channel=MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
428.46	-41.31	-13	-28.31	Vertical
644.05	-40.98	-13	-27.98	Vertical
1672.800	-42.05	-13	-29.05	Vertical
2509.200	-44.51	-13	-31.51	Vertical
3345.600	-49.27	-13	-36.27	Vertical
418.17	-41.97	-13	-28.97	Horizontal
638.22	-41.48	-13	-28.48	Horizontal
1672.800	-42.10	-13	-29.10	Horizontal
2509.200	-46.23	-13	-33.23	Horizontal
3345.600	-51.03	-13	-38.03	Horizontal

Test Channel=HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
438.20	-40.61	-13	-27.61	Vertical
654.67	-41.58	-13	-28.58	Vertical
1693.200	-42.33	-13	-29.33	Vertical
2539.800	-42.43	-13	-29.43	Vertical
3386.400	-50.47	-13	-37.47	Vertical
413.81	-41.99	-13	-28.99	Horizontal
627.80	-41.47	-13	-28.47	Horizontal
1693.200	-43.12	-13	-30.12	Horizontal
2539.800	-45.83	-13	-32.83	Horizontal
3386.400	-50.60	-13	-37.60	Horizontal

Test Band=WCDMA1900

Test Mode=UMTS/TM1

Test Channel=LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
432.38	-41.73	-13	-28.73	Vertical
631.58	-41.33	-13	-28.33	Vertical
3704.800	-43.44	-13	-30.44	Vertical
5557.200	-44.41	-13	-31.41	Vertical
7409.600	-49.33	-13	-36.33	Vertical
411.57	-41.76	-13	-28.76	Horizontal
688.82	-41.41	-13	-28.41	Horizontal
3704.800	-43.28	-13	-30.28	Horizontal
5557.200	-45.88	-13	-32.88	Horizontal
7409.600	-50.58	-13	-37.58	Horizontal

Test Channel=MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
416.66	-40.97	-13	-27.97	Vertical
620.66	-39.76	-13	-26.76	Vertical
3760.000	-40.40	-13	-27.40	Vertical
5640.000	-42.70	-13	-29.70	Vertical
7520.000	-49.58	-13	-36.58	Vertical
415.65	-42.31	-13	-29.31	Horizontal
626.50	-41.11	-13	-28.11	Horizontal
3760.000	-41.79	-13	-28.79	Horizontal
5640.000	-46.39	-13	-33.39	Horizontal
7520.000	-51.23	-13	-38.23	Horizontal

Test Channel=HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
414.30	-40.71	-13	-27.71	Vertical
603.25	-40.30	-13	-27.30	Vertical
3815.200	-43.54	-13	-30.54	Vertical
5722.800	-42.07	-13	-29.07	Vertical
7630.400	-48.69	-13	-35.69	Vertical
416.27	-41.54	-13	-28.54	Horizontal
610.77	-41.23	-13	-28.23	Horizontal
3815.200	-43.43	-13	-30.43	Horizontal
5722.800	-45.28	-13	-32.28	Horizontal
7630.400	-50.07	-13	-37.07	Horizontal

LTE Band 2

Test Data:

Through Pre-scan, find the 1RB#0 of data type and QPSK modulation is the worst case.

Channel Bandwidth: 1.4 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
410.67	-41.72	-13	-28.72	Vertical
676.68	-40.48	-13	-27.48	Vertical
3701.400	-39.97	-13	-26.97	Vertical
5552.100	-41.83	-13	-28.83	Vertical
7402.800	-49.99	-13	-36.99	Vertical
433.90	-42.04	-13	-29.04	Horizontal
627.03	-41.12	-13	-28.12	Horizontal
3701.400	-51.17	-13	-38.17	Horizontal
5552.100	-44.80	-13	-31.80	Horizontal
7402.800	-51.14	-13	-38.14	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
443.78	-41.02	-13	-28.02	Vertical
685.94	-39.79	-13	-26.79	Vertical
3760.000	-43.46	-13	-30.46	Vertical
5640.000	-45.48	-13	-32.48	Vertical
7520.000	-49.28	-13	-36.28	Vertical
414.48	-41.11	-13	-28.11	Horizontal
678.26	-40.45	-13	-27.45	Horizontal
3760.000	-42.56	-13	-29.56	Horizontal
5640.000	-45.06	-13	-32.06	Horizontal
7520.000	-50.59	-13	-37.59	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
421.25	-41.22	-13	-28.22	Vertical
603.78	-40.37	-13	-27.37	Vertical
3818.600	-40.83	-13	-27.83	Vertical
5727.900	-43.17	-13	-30.17	Vertical
7637.200	-48.68	-13	-35.68	Vertical
431.80	-40.86	-13	-27.86	Horizontal
652.50	-41.16	-13	-28.16	Horizontal
3818.600	-42.99	-13	-29.99	Horizontal
5727.900	-44.64	-13	-31.64	Horizontal
7637.200	-49.99	-13	-36.99	Horizontal

Channel Bandwidth: 3 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
424.95	-41.77	-13	-28.77	Vertical
639.11	-39.81	-13	-26.81	Vertical
3703.000	-39.12	-13	-26.12	Vertical
5554.500	-41.95	-13	-28.95	Vertical
7406.000	-49.08	-13	-36.08	Vertical
435.61	-40.78	-13	-27.78	Horizontal
699.59	-41.28	-13	-28.28	Horizontal
3703.000	-42.43	-13	-29.43	Horizontal
5554.500	-45.53	-13	-32.53	Horizontal
7406.000	-49.87	-13	-36.87	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
418.94	-41.10	-13	-28.10	Vertical
682.47	-41.31	-13	-28.31	Vertical
3760.000	-41.43	-13	-28.43	Vertical
5640.000	-42.20	-13	-29.20	Vertical
7520.000	-50.16	-13	-37.16	Vertical
428.99	-41.93	-13	-28.93	Horizontal
613.85	-40.51	-13	-27.51	Horizontal
3760.000	-42.88	-13	-29.88	Horizontal
5640.000	-45.88	-13	-32.88	Horizontal
7520.000	-50.97	-13	-37.97	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
421.31	-40.92	-13	-27.92	Vertical
606.33	-41.50	-13	-28.50	Vertical
3817.000	-41.82	-13	-28.82	Vertical
5725.500	-40.87	-13	-27.87	Vertical
7634.000	-49.66	-13	-36.66	Vertical
433.70	-41.52	-13	-28.52	Horizontal
671.68	-41.53	-13	-28.53	Horizontal
3817.000	-43.04	-13	-30.04	Horizontal
5725.500	-46.25	-13	-33.25	Horizontal
7634.000	-50.48	-13	-37.48	Horizontal

Channel Bandwidth: 5 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
436.06	-41.82	-13	-28.82	Vertical
648.87	-40.76	-13	-27.76	Vertical
3705.000	-40.33	-13	-27.33	Vertical
5557.500	-41.94	-13	-28.94	Vertical
7410.000	-49.43	-13	-36.43	Vertical
427.14	-41.60	-13	-28.60	Horizontal
614.62	-41.60	-13	-28.60	Horizontal
3705.000	-51.34	-13	-38.34	Horizontal
5557.500	-46.48	-13	-33.48	Horizontal
7410.000	-50.09	-13	-37.09	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
444.27	-40.81	-13	-27.81	Vertical
644.07	-40.63	-13	-27.63	Vertical
3760.000	-42.60	-13	-29.60	Vertical
5640.000	-44.04	-13	-31.04	Vertical
7520.000	-50.27	-13	-37.27	Vertical
411.45	-41.60	-13	-28.60	Horizontal
639.43	-40.97	-13	-27.97	Horizontal
3760.000	-42.64	-13	-29.64	Horizontal
5640.000	-46.31	-13	-33.31	Horizontal
7520.000	-49.82	-13	-36.82	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
441.98	-41.48	-13	-28.48	Vertical
634.68	-41.37	-13	-28.37	Vertical
3815.000	-40.07	-13	-27.07	Vertical
5722.500	-42.46	-13	-29.46	Vertical
7630.000	-49.92	-13	-36.92	Vertical
433.91	-42.50	-13	-29.50	Horizontal
627.66	-39.90	-13	-26.90	Horizontal
3815.000	-42.88	-13	-29.88	Horizontal
5722.500	-45.17	-13	-32.17	Horizontal
7630.000	-51.43	-13	-38.43	Horizontal

Channel Bandwidth: 10 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
422.14	-42.49	-13	-29.49	Vertical
672.60	-40.58	-13	-27.58	Vertical
3710.000	-39.06	-13	-26.06	Vertical
5565.000	-43.26	-13	-30.26	Vertical
7420.000	-48.91	-13	-35.91	Vertical
413.36	-40.80	-13	-27.80	Horizontal
673.46	-41.23	-13	-28.23	Horizontal
3710.000	-42.26	-13	-29.26	Horizontal
5565.000	-46.30	-13	-33.30	Horizontal
7420.000	-51.23	-13	-38.23	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
434.99	-40.63	-13	-27.63	Vertical
686.08	-39.99	-13	-26.99	Vertical
3760.000	-41.98	-13	-28.98	Vertical
5640.000	-41.42	-13	-28.42	Vertical
7520.000	-50.09	-13	-37.09	Vertical
434.02	-41.39	-13	-28.39	Horizontal
668.46	-40.76	-13	-27.76	Horizontal
3760.000	-42.90	-13	-29.90	Horizontal
5640.000	-45.82	-13	-32.82	Horizontal
7520.000	-49.71	-13	-36.71	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
434.59	-41.12	-13	-28.12	Vertical
638.97	-39.84	-13	-26.84	Vertical
3810.000	-41.87	-13	-28.87	Vertical
5715.000	-43.31	-13	-30.31	Vertical
7620.000	-48.73	-13	-35.73	Vertical
425.78	-40.81	-13	-27.81	Horizontal
615.31	-40.26	-13	-27.26	Horizontal
3810.000	-42.75	-13	-29.75	Horizontal
5715.000	-45.44	-13	-32.44	Horizontal
7620.000	-49.67	-13	-36.67	Horizontal

Channel Bandwidth: 15 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
435.91	-42.31	-13	-29.31	Vertical
679.46	-41.48	-13	-28.48	Vertical
3715.000	-40.51	-13	-27.51	Vertical
5572.500	-42.20	-13	-29.20	Vertical
7430.000	-50.21	-13	-37.21	Vertical
425.40	-42.28	-13	-29.28	Horizontal
673.43	-41.24	-13	-28.24	Horizontal
3715.000	-50.55	-13	-37.55	Horizontal
5572.500	-46.45	-13	-33.45	Horizontal
7430.000	-50.73	-13	-37.73	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
422.31	-41.18	-13	-28.18	Vertical
618.33	-41.40	-13	-28.40	Vertical
3760.000	-43.58	-13	-30.58	Vertical
5640.000	-44.58	-13	-31.58	Vertical
7520.000	-48.98	-13	-35.98	Vertical
439.99	-41.33	-13	-28.33	Horizontal
688.87	-40.60	-13	-27.60	Horizontal
3760.000	-43.06	-13	-30.06	Horizontal
5640.000	-46.48	-13	-33.48	Horizontal
7520.000	-50.24	-13	-37.24	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
425.09	-41.68	-13	-28.68	Vertical
641.12	-40.10	-13	-27.10	Vertical
3805.000	-41.60	-13	-28.60	Vertical
5707.500	-42.27	-13	-29.27	Vertical
7610.000	-49.39	-13	-36.39	Vertical
433.76	-40.79	-13	-27.79	Horizontal
678.89	-40.66	-13	-27.66	Horizontal
3805.000	-41.88	-13	-28.88	Horizontal
5707.500	-46.49	-13	-33.49	Horizontal
7610.000	-50.39	-13	-37.39	Horizontal

Channel Bandwidth: 20 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
438.56	-42.23	-13	-29.23	Vertical
692.08	-40.34	-13	-27.34	Vertical
3920.000	-40.05	-13	-27.05	Vertical
5880.000	-42.14	-13	-29.14	Vertical
7840.000	-49.83	-13	-36.83	Vertical
424.84	-41.26	-13	-28.26	Horizontal
623.51	-40.44	-13	-27.44	Horizontal
3920.000	-42.66	-13	-29.66	Horizontal
5880.000	-46.22	-13	-33.22	Horizontal
7840.000	-50.05	-13	-37.05	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
423.17	-41.22	-13	-28.22	Vertical
616.62	-40.26	-13	-27.26	Vertical
3760.000	-39.82	-13	-26.82	Vertical
5640.000	-43.44	-13	-30.44	Vertical
7520.000	-49.96	-13	-36.96	Vertical
411.86	-40.84	-13	-27.84	Horizontal
613.99	-39.70	-13	-26.70	Horizontal
3760.000	-42.15	-13	-29.15	Horizontal
5640.000	-45.31	-13	-32.31	Horizontal
7520.000	-50.59	-13	-37.59	Horizontal

HCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
443.33	-41.69	-13	-28.69	Vertical
658.16	-41.16	-13	-28.16	Vertical
3800.000	-41.21	-13	-28.21	Vertical
5700.000	-40.18	-13	-27.18	Vertical
7600.000	-49.91	-13	-36.91	Vertical
415.35	-41.60	-13	-28.60	Horizontal
648.56	-41.51	-13	-28.51	Horizontal
3800.000	-42.03	-13	-29.03	Horizontal
5700.000	-45.73	-13	-32.73	Horizontal
7600.000	-51.25	-13	-38.25	Horizontal

LTE Band 4

Test Data:

Through Pre-scan, find the 1RB#0 of data type and QPSK modulation is the worst case.

Channel Bandwidth: 1.4 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
419.61	-40.79	-13	-27.79	Vertical
651.37	-41.10	-13	-28.10	Vertical
3421.400	-38.98	-13	-25.98	Vertical
5132.100	-41.97	-13	-28.97	Vertical
6842.800	-49.51	-13	-36.51	Vertical
420.47	-41.67	-13	-28.67	Horizontal
631.33	-40.71	-13	-27.71	Horizontal
3421.400	-50.38	-13	-37.38	Horizontal
5132.100	-46.05	-13	-33.05	Horizontal
6842.800	-50.66	-13	-37.66	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
428.46	-41.04	-13	-28.04	Vertical
671.62	-39.93	-13	-26.93	Vertical
3465.000	-43.05	-13	-30.05	Vertical
5197.500	-44.22	-13	-31.22	Vertical
6930.000	-50.13	-13	-37.13	Vertical
435.71	-40.70	-13	-27.70	Horizontal
698.85	-40.83	-13	-27.83	Horizontal
3465.000	-43.04	-13	-30.04	Horizontal
5197.500	-46.36	-13	-33.36	Horizontal
6930.000	-51.08	-13	-38.08	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
411.97	-42.05	-13	-29.05	Vertical
639.40	-41.35	-13	-28.35	Vertical
3508.600	-42.06	-13	-29.06	Vertical
5262.900	-43.20	-13	-30.20	Vertical
7017.200	-50.57	-13	-37.57	Vertical
412.70	-41.37	-13	-28.37	Horizontal
671.49	-41.48	-13	-28.48	Horizontal
3508.600	-42.42	-13	-29.42	Horizontal
5262.900	-45.61	-13	-32.61	Horizontal
7017.200	-51.52	-13	-38.52	Horizontal

Channel Bandwidth: 3 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
432.23	-42.54	-13	-29.54	Vertical
636.16	-41.58	-13	-28.58	Vertical
3423.000	-40.15	-13	-27.15	Vertical
5134.500	-43.07	-13	-30.07	Vertical
6846.000	-50.32	-13	-37.32	Vertical
417.87	-42.50	-13	-29.50	Horizontal
676.08	-40.76	-13	-27.76	Horizontal
3423.000	-41.93	-13	-28.93	Horizontal
5134.500	-45.15	-13	-32.15	Horizontal
6846.000	-50.25	-13	-37.25	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
444.36	-42.26	-13	-29.26	Vertical
646.39	-39.65	-13	-26.65	Vertical
3465.000	-39.88	-13	-26.88	Vertical
5197.500	-41.33	-13	-28.33	Vertical
6930.000	-49.44	-13	-36.44	Vertical
427.94	-41.92	-13	-28.92	Horizontal
696.72	-40.10	-13	-27.10	Horizontal
3465.000	-42.99	-13	-29.99	Horizontal
5197.500	-46.46	-13	-33.46	Horizontal
6930.000	-50.97	-13	-37.97	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
437.59	-40.93	-13	-27.93	Vertical
659.43	-40.29	-13	-27.29	Vertical
3507.000	-42.29	-13	-29.29	Vertical
5260.500	-42.77	-13	-29.77	Vertical
7014.000	-49.75	-13	-36.75	Vertical
425.01	-41.86	-13	-28.86	Horizontal
633.23	-40.69	-13	-27.69	Horizontal
3507.000	-42.49	-13	-29.49	Horizontal
5260.500	-45.34	-13	-32.34	Horizontal
7014.000	-50.82	-13	-37.82	Horizontal

Channel Bandwidth: 5 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
416.70	-41.89	-13	-28.89	Vertical
669.16	-41.15	-13	-28.15	Vertical
3425.000	-38.64	-13	-25.64	Vertical
5137.500	-41.78	-13	-28.78	Vertical
6850.000	-50.56	-13	-37.56	Vertical
438.10	-40.83	-13	-27.83	Horizontal
643.77	-41.19	-13	-28.19	Horizontal
3425.000	-51.50	-13	-38.50	Horizontal
5137.500	-46.50	-13	-33.50	Horizontal
6850.000	-50.00	-13	-37.00	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
416.53	-41.23	-13	-28.23	Vertical
628.73	-40.98	-13	-27.98	Vertical
3465.000	-42.40	-13	-29.40	Vertical
5197.500	-44.20	-13	-31.20	Vertical
6930.000	-49.60	-13	-36.60	Vertical
420.54	-41.04	-13	-28.04	Horizontal
633.38	-41.31	-13	-28.31	Horizontal
3465.000	-42.62	-13	-29.62	Horizontal
5197.500	-45.01	-13	-32.01	Horizontal
6930.000	-51.42	-13	-38.42	Horizontal

HCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
415.03	-41.07	-13	-28.07	Vertical
686.97	-41.21	-13	-28.21	Vertical
3505.000	-41.68	-13	-28.68	Vertical
5257.500	-43.48	-13	-30.48	Vertical
7010.000	-49.79	-13	-36.79	Vertical
412.21	-42.58	-13	-29.58	Horizontal
698.06	-40.23	-13	-27.23	Horizontal
3505.000	-42.67	-13	-29.67	Horizontal
5257.500	-46.16	-13	-33.16	Horizontal
7010.000	-50.91	-13	-37.91	Horizontal

Channel Bandwidth: 10 MHz

LCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
440.18	-41.20	-13	-28.20	Vertical
663.64	-40.97	-13	-27.97	Vertical
3430.000	-39.93	-13	-26.93	Vertical
5145.000	-42.56	-13	-29.56	Vertical
6860.000	-50.19	-13	-37.19	Vertical
419.80	-41.40	-13	-28.40	Horizontal
641.26	-40.18	-13	-27.18	Horizontal
3430.000	-42.38	-13	-29.38	Horizontal
5145.000	-46.39	-13	-33.39	Horizontal
6860.000	-51.02	-13	-38.02	Horizontal

MCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
435.27	-41.37	-13	-28.37	Vertical
613.96	-39.76	-13	-26.76	Vertical
3465.000	-40.08	-13	-27.08	Vertical
5197.500	-42.01	-13	-29.01	Vertical
6930.000	-49.80	-13	-36.80	Vertical
418.79	-41.83	-13	-28.83	Horizontal
622.63	-40.10	-13	-27.10	Horizontal
3465.000	-42.74	-13	-29.74	Horizontal
5197.500	-44.81	-13	-31.81	Horizontal
6930.000	-50.25	-13	-37.25	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
411.22	-41.97	-13	-28.97	Vertical
654.37	-41.48	-13	-28.48	Vertical
3500.000	-42.55	-13	-29.55	Vertical
5250.000	-43.21	-13	-30.21	Vertical
7000.000	-49.90	-13	-36.90	Vertical
432.40	-40.71	-13	-27.71	Horizontal
684.46	-40.44	-13	-27.44	Horizontal
3500.000	-43.51	-13	-30.51	Horizontal
5250.000	-46.31	-13	-33.31	Horizontal
7000.000	-50.92	-13	-37.92	Horizontal

Channel Bandwidth: 15 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
441.80	-42.12	-13	-29.12	Vertical
660.87	-40.36	-13	-27.36	Vertical
3435.000	-39.72	-13	-26.72	Vertical
5152.500	-43.39	-13	-30.39	Vertical
6870.000	-48.92	-13	-35.92	Vertical
423.01	-40.83	-13	-27.83	Horizontal
612.70	-41.55	-13	-28.55	Horizontal
3435.000	-50.76	-13	-37.76	Horizontal
5152.500	-45.52	-13	-32.52	Horizontal
6870.000	-50.27	-13	-37.27	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
422.38	-40.96	-13	-27.96	Vertical
670.95	-40.20	-13	-27.20	Vertical
3465.000	-42.79	-13	-29.79	Vertical
5197.500	-44.98	-13	-31.98	Vertical
6930.000	-50.16	-13	-37.16	Vertical
411.38	-42.32	-13	-29.32	Horizontal
676.32	-40.15	-13	-27.15	Horizontal
3465.000	-43.48	-13	-30.48	Horizontal
5197.500	-45.18	-13	-32.18	Horizontal
6930.000	-51.12	-13	-38.12	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
432.55	-40.85	-13	-27.85	Vertical
668.29	-40.23	-13	-27.23	Vertical
3495.000	-40.34	-13	-27.34	Vertical
5242.500	-42.21	-13	-29.21	Vertical
6990.000	-48.66	-13	-35.66	Vertical
410.57	-41.90	-13	-28.90	Horizontal
646.67	-40.15	-13	-27.15	Horizontal
3495.000	-41.74	-13	-28.74	Horizontal
5242.500	-46.10	-13	-33.10	Horizontal
6990.000	-50.00	-13	-37.00	Horizontal

Channel Bandwidth: 20 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
424.57	-41.85	-13	-28.85	Vertical
606.77	-40.89	-13	-27.89	Vertical
3440.000	-39.85	-13	-26.85	Vertical
5160.000	-42.08	-13	-29.08	Vertical
6880.000	-49.11	-13	-36.11	Vertical
410.59	-42.14	-13	-29.14	Horizontal
640.28	-40.91	-13	-27.91	Horizontal
3440.000	-42.10	-13	-29.10	Horizontal
5160.000	-44.74	-13	-31.74	Horizontal
6880.000	-49.61	-13	-36.61	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
418.68	-40.85	-13	-27.85	Vertical
622.81	-39.90	-13	-26.90	Vertical
3465.000	-42.34	-13	-29.34	Vertical
5197.500	-42.22	-13	-29.22	Vertical
6930.000	-48.99	-13	-35.99	Vertical
410.60	-41.40	-13	-28.40	Horizontal
668.85	-40.41	-13	-27.41	Horizontal
3465.000	-43.39	-13	-30.39	Horizontal
5197.500	-45.10	-13	-32.10	Horizontal
6930.000	-49.75	-13	-36.75	Horizontal

HCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
440.82	-40.95	-13	-27.95	Vertical
649.29	-40.67	-13	-27.67	Vertical
3490.000	-39.65	-13	-26.65	Vertical
5235.000	-42.06	-13	-29.06	Vertical
6980.000	-50.08	-13	-37.08	Vertical
435.69	-41.43	-13	-28.43	Horizontal
616.04	-40.07	-13	-27.07	Horizontal
3490.000	-43.23	-13	-30.23	Horizontal
5235.000	-46.04	-13	-33.04	Horizontal
6980.000	-50.69	-13	-37.69	Horizontal

LTE Band 5

Test Data:

Through Pre-scan, find the 1RB#0 of data type and QPSK modulation is the worst case.

Channel Bandwidth: 1.4 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
420.94	-41.70	-13	-28.70	Vertical
662.39	-41.34	-13	-28.34	Vertical
1649.400	-40.27	-13	-27.27	Vertical
2474.100	-43.27	-13	-30.27	Vertical
3298.800	-49.67	-13	-36.67	Vertical
421.17	-42.04	-13	-29.04	Horizontal
659.24	-40.38	-13	-27.38	Horizontal
1649.400	-51.57	-13	-38.57	Horizontal
2474.100	-46.17	-13	-33.17	Horizontal
3298.800	-50.95	-13	-37.95	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
438.89	-40.78	-13	-27.78	Vertical
682.94	-40.16	-13	-27.16	Vertical
1673.000	-41.89	-13	-28.89	Vertical
2509.500	-45.22	-13	-32.22	Vertical
3346.000	-49.30	-13	-36.30	Vertical
440.83	-42.33	-13	-29.33	Horizontal
684.89	-41.32	-13	-28.32	Horizontal
1673.000	-42.19	-13	-29.19	Horizontal
2509.500	-46.47	-13	-33.47	Horizontal
3346.000	-51.06	-13	-38.06	Horizontal

HCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
430.67	-40.71	-13	-27.71	Vertical
603.59	-40.93	-13	-27.93	Vertical
1696.600	-41.15	-13	-28.15	Vertical
2544.900	-43.21	-13	-30.21	Vertical
3393.200	-49.48	-13	-36.48	Vertical
415.30	-40.79	-13	-27.79	Horizontal
690.38	-41.56	-13	-28.56	Horizontal
1696.600	-42.00	-13	-29.00	Horizontal
2544.900	-45.67	-13	-32.67	Horizontal
3393.200	-50.89	-13	-37.89	Horizontal

Channel Bandwidth: 3 MHz

LCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
416.21	-41.85	-13	-28.85	Vertical
645.00	-39.69	-13	-26.69	Vertical
1651.000	-40.15	-13	-27.15	Vertical
2476.500	-43.18	-13	-30.18	Vertical
3302.000	-49.36	-13	-36.36	Vertical
441.54	-41.47	-13	-28.47	Horizontal
699.20	-40.51	-13	-27.51	Horizontal
1651.000	-42.43	-13	-29.43	Horizontal
2476.500	-45.31	-13	-32.31	Horizontal
3302.000	-49.63	-13	-36.63	Horizontal

MCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
425.16	-41.81	-13	-28.81	Vertical
679.24	-41.39	-13	-28.39	Vertical
1673.000	-40.92	-13	-27.92	Vertical
2509.500	-42.20	-13	-29.20	Vertical
3346.000	-50.23	-13	-37.23	Vertical
412.21	-42.49	-13	-29.49	Horizontal
653.80	-41.29	-13	-28.29	Horizontal
1673.000	-42.19	-13	-29.19	Horizontal
2509.500	-45.95	-13	-32.95	Horizontal
3346.000	-49.86	-13	-36.86	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
432.08	-41.64	-13	-28.64	Vertical
644.24	-40.87	-13	-27.87	Vertical
1695.000	-41.49	-13	-28.49	Vertical
2542.500	-42.35	-13	-29.35	Vertical
3390.000	-49.70	-13	-36.70	Vertical
419.46	-41.49	-13	-28.49	Horizontal
610.60	-40.64	-13	-27.64	Horizontal
1695.000	-42.39	-13	-29.39	Horizontal
2542.500	-44.87	-13	-31.87	Horizontal
3390.000	-50.59	-13	-37.59	Horizontal

Channel Bandwidth: 5 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
431.57	-41.46	-13	-28.46	Vertical
643.59	-41.10	-13	-28.10	Vertical
1653.000	-39.15	-13	-26.15	Vertical
2479.500	-42.14	-13	-29.14	Vertical
3306.000	-48.81	-13	-35.81	Vertical
436.34	-42.21	-13	-29.21	Horizontal
600.82	-39.67	-13	-26.67	Horizontal
1653.000	-51.02	-13	-38.02	Horizontal
2479.500	-46.57	-13	-33.57	Horizontal
3306.000	-50.75	-13	-37.75	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
443.80	-42.18	-13	-29.18	Vertical
654.48	-40.61	-13	-27.61	Vertical
1673.000	-42.13	-13	-29.13	Vertical
2509.500	-44.45	-13	-31.45	Vertical
3346.000	-50.55	-13	-37.55	Vertical
444.55	-40.79	-13	-27.79	Horizontal
690.90	-40.83	-13	-27.83	Horizontal
1673.000	-42.06	-13	-29.06	Horizontal
2509.500	-45.51	-13	-32.51	Horizontal
3346.000	-49.80	-13	-36.80	Horizontal

HCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
441.94	-41.87	-13	-28.87	Vertical
617.28	-39.95	-13	-26.95	Vertical
1693.000	-41.20	-13	-28.20	Vertical
2539.500	-42.29	-13	-29.29	Vertical
3386.000	-49.55	-13	-36.55	Vertical
436.16	-41.20	-13	-28.20	Horizontal
698.01	-41.12	-13	-28.12	Horizontal
1693.000	-42.96	-13	-29.96	Horizontal
2539.500	-46.14	-13	-33.14	Horizontal
3386.000	-51.20	-13	-38.20	Horizontal

Channel Bandwidth: 10 MHz

LCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
425.12	-41.14	-13	-28.14	Vertical
624.85	-40.00	-13	-27.00	Vertical
1658.000	-39.26	-13	-26.26	Vertical
2487.000	-43.40	-13	-30.40	Vertical
3316.000	-49.20	-13	-36.20	Vertical
443.48	-42.41	-13	-29.41	Horizontal
671.88	-41.28	-13	-28.28	Horizontal
1658.000	-41.88	-13	-28.88	Horizontal
2487.000	-44.80	-13	-31.80	Horizontal
3316.000	-50.72	-13	-37.72	Horizontal

MCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
436.17	-41.66	-13	-28.66	Vertical
655.42	-40.25	-13	-27.25	Vertical
1673.000	-40.93	-13	-27.93	Vertical
2509.500	-42.93	-13	-29.93	Vertical
3346.000	-49.30	-13	-36.30	Vertical
425.10	-42.15	-13	-29.15	Horizontal
674.82	-40.89	-13	-27.89	Horizontal
1673.000	-42.27	-13	-29.27	Horizontal
2509.500	-44.97	-13	-31.97	Horizontal
3346.000	-51.26	-13	-38.26	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
417.18	-41.87	-13	-28.87	Vertical
611.85	-41.11	-13	-28.11	Vertical
1688.000	-39.69	-13	-26.69	Vertical
2532.000	-42.28	-13	-29.28	Vertical
3376.000	-48.76	-13	-35.76	Vertical
439.43	-40.96	-13	-27.96	Horizontal
608.82	-39.70	-13	-26.70	Horizontal
1688.000	-42.24	-13	-29.24	Horizontal
2532.000	-45.30	-13	-32.30	Horizontal
3376.000	-51.53	-13	-38.53	Horizontal

LTE Band 12

Test Data:

Through Pre-scan, find the 1RB#0 of data type and QPSK modulation is the worst case.

Channel Bandwidth: 1.4 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
441.25	-42.17	-13	-29.17	Vertical
609.23	-40.57	-13	-27.57	Vertical
1399.400	-38.96	-13	-25.96	Vertical
2099.100	-42.32	-13	-29.32	Vertical
2798.800	-50.46	-13	-37.46	Vertical
418.95	-40.72	-13	-27.72	Horizontal
665.40	-40.96	-13	-27.96	Horizontal
1399.400	-50.51	-13	-37.51	Horizontal
2099.100	-45.82	-13	-32.82	Horizontal
2798.800	-51.03	-13	-38.03	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
432.29	-42.33	-13	-29.33	Vertical
619.61	-40.67	-13	-27.67	Vertical
1415.000	-42.56	-13	-29.56	Vertical
2122.500	-44.56	-13	-31.56	Vertical
2830.000	-49.34	-13	-36.34	Vertical
413.48	-42.09	-13	-29.09	Horizontal
634.47	-41.19	-13	-28.19	Horizontal
1415.000	-43.57	-13	-30.57	Horizontal
2122.500	-46.27	-13	-33.27	Horizontal
2830.000	-50.69	-13	-37.69	Horizontal

HCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
416.17	-40.80	-13	-27.80	Vertical
620.54	-40.72	-13	-27.72	Vertical
1430.600	-40.16	-13	-27.16	Vertical
2145.900	-42.48	-13	-29.48	Vertical
2861.200	-48.72	-13	-35.72	Vertical
422.18	-42.17	-13	-29.17	Horizontal
698.57	-41.26	-13	-28.26	Horizontal
1430.600	-43.27	-13	-30.27	Horizontal
2145.900	-45.93	-13	-32.93	Horizontal
2861.200	-50.34	-13	-37.34	Horizontal

Channel Bandwidth: 3 MHz

LCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
436.71	-41.46	-13	-28.46	Vertical
672.17	-39.88	-13	-26.88	Vertical
1401.000	-39.15	-13	-26.15	Vertical
2101.500	-42.03	-13	-29.03	Vertical
2802.000	-50.05	-13	-37.05	Vertical
438.68	-41.52	-13	-28.52	Horizontal
602.03	-41.32	-13	-28.32	Horizontal
1401.000	-42.95	-13	-29.95	Horizontal
2101.500	-46.00	-13	-33.00	Horizontal
2802.000	-50.83	-13	-37.83	Horizontal

MCH_QPSK_1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
421.76	-42.07	-13	-29.07	Vertical
624.74	-41.48	-13	-28.48	Vertical
1415.000	-40.62	-13	-27.62	Vertical
2122.500	-41.32	-13	-28.32	Vertical
2830.000	-49.59	-13	-36.59	Vertical
426.14	-42.23	-13	-29.23	Horizontal
682.33	-40.50	-13	-27.50	Horizontal
1415.000	-42.94	-13	-29.94	Horizontal
2122.500	-45.89	-13	-32.89	Horizontal
2830.000	-50.93	-13	-37.93	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
436.95	-41.85	-13	-28.85	Vertical
658.95	-40.77	-13	-27.77	Vertical
1429.000	-40.27	-13	-27.27	Vertical
2143.500	-43.16	-13	-30.16	Vertical
2858.000	-50.44	-13	-37.44	Vertical
411.48	-42.57	-13	-29.57	Horizontal
699.37	-40.66	-13	-27.66	Horizontal
1429.000	-41.84	-13	-28.84	Horizontal
2143.500	-45.75	-13	-32.75	Horizontal
2858.000	-50.09	-13	-37.09	Horizontal

Channel Bandwidth: 5 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
417.34	-41.19	-13	-28.19	Vertical
672.44	-40.72	-13	-27.72	Vertical
1403.000	-39.02	-13	-26.02	Vertical
2104.500	-42.26	-13	-29.26	Vertical
2806.000	-48.98	-13	-35.98	Vertical
412.31	-41.98	-13	-28.98	Horizontal
618.17	-41.37	-13	-28.37	Horizontal
1403.000	-49.90	-13	-36.90	Horizontal
2104.500	-44.77	-13	-31.77	Horizontal
2806.000	-49.83	-13	-36.83	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
439.81	-42.05	-13	-29.05	Vertical
671.82	-40.59	-13	-27.59	Vertical
1415.000	-41.73	-13	-28.73	Vertical
2122.500	-44.03	-13	-31.03	Vertical
2830.000	-49.36	-13	-36.36	Vertical
414.19	-42.26	-13	-29.26	Horizontal
610.60	-39.81	-13	-26.81	Horizontal
1415.000	-42.42	-13	-29.42	Horizontal
2122.500	-45.25	-13	-32.25	Horizontal
2830.000	-51.45	-13	-38.45	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
433.95	-41.90	-13	-28.90	Vertical
629.19	-41.12	-13	-28.12	Vertical
1427.000	-40.68	-13	-27.68	Vertical
2140.500	-41.61	-13	-28.61	Vertical
2854.000	-49.15	-13	-36.15	Vertical
422.10	-40.97	-13	-27.97	Horizontal
603.71	-39.82	-13	-26.82	Horizontal
1427.000	-43.42	-13	-30.42	Horizontal
2140.500	-45.18	-13	-32.18	Horizontal
2854.000	-51.00	-13	-38.00	Horizontal

Channel Bandwidth: 10 MHz

LCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
427.02	-40.82	-13	-27.82	Vertical
601.42	-40.79	-13	-27.79	Vertical
1408.000	-38.97	-13	-25.97	Vertical
2112.000	-43.49	-13	-30.49	Vertical
2816.000	-50.50	-13	-37.50	Vertical
422.20	-41.85	-13	-28.85	Horizontal
666.92	-39.83	-13	-26.83	Horizontal
1408.000	-41.73	-13	-28.73	Horizontal
2112.000	-45.06	-13	-32.06	Horizontal
2816.000	-49.73	-13	-36.73	Horizontal

MCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
417.04	-42.48	-13	-29.48	Vertical
699.80	-40.33	-13	-27.33	Vertical
1415.000	-42.20	-13	-29.20	Vertical
2122.500	-42.76	-13	-29.76	Vertical
2830.000	-49.65	-13	-36.65	Vertical
425.60	-41.44	-13	-28.44	Horizontal
623.21	-40.76	-13	-27.76	Horizontal
1415.000	-42.29	-13	-29.29	Horizontal
2122.500	-45.31	-13	-32.31	Horizontal
2830.000	-51.18	-13	-38.18	Horizontal

HCH QPSK 1RB#0

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
428.78	-42.37	-13	-29.37	Vertical
607.59	-39.61	-13	-26.61	Vertical
1422.000	-40.15	-13	-27.15	Vertical
2133.000	-39.80	-13	-26.80	Vertical
2844.000	-49.41	-13	-36.41	Vertical
429.25	-40.93	-13	-27.93	Horizontal
605.63	-40.10	-13	-27.10	Horizontal
1422.000	-42.43	-13	-29.43	Horizontal
2133.000	-45.90	-13	-32.90	Horizontal
2844.000	-51.41	-13	-38.41	Horizontal

7 Frequency Stability

GSM

Test Data:

Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM1	LCH	TN	VL	4.57	0.005545	±2.5	PASS
			TN	VN	4.96	0.006018	±2.5	PASS
			TN	VH	5.25	0.006370	±2.5	PASS
		MCH	TN	VL	9.31	0.011128	±2.5	PASS
			TN	VN	13.25	0.015838	±2.5	PASS
			TN	VH	11.61	0.013878	±2.5	PASS
		HCH	TN	VL	11	0.012959	±2.5	PASS
			TN	VN	11.16	0.013148	±2.5	PASS
			TN	VH	8.8	0.010368	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM2	LCH	TN	VL	7.99	0.009694	±2.5	PASS
			TN	VN	7.93	0.009621	±2.5	PASS
			TN	VH	9.26	0.011235	±2.5	PASS
		MCH	TN	VL	9.36	0.011188	±2.5	PASS
			TN	VN	9.49	0.011344	±2.5	PASS
			TN	VH	7.83	0.009359	±2.5	PASS
		HCH	TN	VL	9.03	0.010639	±2.5	PASS
			TN	VN	8.23	0.009696	±2.5	PASS
			TN	VH	7	0.008247	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM1	LCH	TN	VL	9.35	0.005054	±2.5	PASS
			TN	VN	12.81	0.006924	±2.5	PASS
			TN	VH	15.53	0.008394	±2.5	PASS
		MCH	TN	VL	13.32	0.007085	±2.5	PASS
			TN	VN	12.95	0.006888	±2.5	PASS
			TN	VH	14.48	0.007702	±2.5	PASS
		HCH	TN	VL	12.55	0.006571	±2.5	PASS
			TN	VN	10.44	0.005467	±2.5	PASS
			TN	VH	9.84	0.005152	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM2	LCH	TN	VL	11.85	0.006405	±2.5	PASS
			TN	VN	12.92	0.006983	±2.5	PASS
			TN	VH	11.3	0.006107	±2.5	PASS
		MCH	TN	VL	13.51	0.007186	±2.5	PASS
			TN	VN	13.3	0.007074	±2.5	PASS
			TN	VH	11.33	0.006027	±2.5	PASS
		HCH	TN	VL	9.31	0.004875	±2.5	PASS
			TN	VN	15.3	0.008011	±2.5	PASS
			TN	VH	8.18	0.004283	±2.5	PASS

Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM1	LCH	VN	-30	5.78	0.007013	±2.5	PASS
			VN	-20	8.06	0.009779	±2.5	PASS
			VN	-10	4.97	0.006030	±2.5	PASS
			VN	0	9.82	0.011915	±2.5	PASS
			VN	10	12.59	0.015275	±2.5	PASS
			VN	20	11.98	0.014535	±2.5	PASS
			VN	30	8.36	0.010143	±2.5	PASS
			VN	40	11.44	0.013880	±2.5	PASS
			VN	50	7.17	0.008699	±2.5	PASS
GSM850	TM1	MCH	VN	-30	12.89	0.015408	±2.5	PASS
			VN	-20	11	0.013148	±2.5	PASS
			VN	-10	9.04	0.010806	±2.5	PASS
			VN	0	11.1	0.013268	±2.5	PASS
			VN	10	10.74	0.012838	±2.5	PASS
			VN	20	11.25	0.013447	±2.5	PASS
			VN	30	9.26	0.011069	±2.5	PASS
			VN	40	11.63	0.013902	±2.5	PASS
			VN	50	10.45	0.012491	±2.5	PASS
GSM850	TM1	HCH	VN	-30	4.91	0.005785	±2.5	PASS
			VN	-20	11.46	0.013501	±2.5	PASS
			VN	-10	11.2	0.013195	±2.5	PASS
			VN	0	9.57	0.011275	±2.5	PASS
			VN	10	10.04	0.011828	±2.5	PASS
			VN	20	9.79	0.011534	±2.5	PASS
			VN	30	9.82	0.011569	±2.5	PASS
			VN	40	10.61	0.012500	±2.5	PASS
			VN	50	9.95	0.011722	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM850	TM2	LCH	VN	-30	6.73	0.008165	±2.5	PASS
			VN	-20	10.4	0.012618	±2.5	PASS
			VN	-10	7	0.008493	±2.5	PASS
			VN	0	8.65	0.010495	±2.5	PASS
			VN	10	10	0.012133	±2.5	PASS
			VN	20	4.01	0.004865	±2.5	PASS
			VN	30	7.12	0.008639	±2.5	PASS
			VN	40	5.98	0.007256	±2.5	PASS
			VN	50	4.46	0.005411	±2.5	PASS
GSM850	TM2	MCH	VN	-30	10.12	0.012097	±2.5	PASS
			VN	-20	8.35	0.009981	±2.5	PASS
			VN	-10	10.67	0.012754	±2.5	PASS
			VN	0	11.2	0.013388	±2.5	PASS
			VN	10	10.46	0.012503	±2.5	PASS
			VN	20	7.2	0.008606	±2.5	PASS
			VN	30	7.34	0.008774	±2.5	PASS
			VN	40	7.22	0.008630	±2.5	PASS
			VN	50	3.75	0.004482	±2.5	PASS
GSM850	TM2	HCH	VN	-30	7.95	0.009366	±2.5	PASS
			VN	-20	7.55	0.008895	±2.5	PASS
			VN	-10	9.84	0.011593	±2.5	PASS
			VN	0	10.53	0.012406	±2.5	PASS
			VN	10	9.64	0.011357	±2.5	PASS
			VN	20	7.83	0.009225	±2.5	PASS
			VN	30	-10.5	-0.012370	±2.5	PASS
			VN	40	3.33	0.003923	±2.5	PASS
			VN	50	8.93	0.010521	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM1	LCH	VN	-30	16.19	0.008750	±2.5	PASS
			VN	-20	16.23	0.008772	±2.5	PASS
			VN	-10	15.92	0.008604	±2.5	PASS
			VN	0	16.28	0.008799	±2.5	PASS
			VN	10	14.22	0.007686	±2.5	PASS
			VN	20	14.73	0.007961	±2.5	PASS
			VN	30	17.08	0.009231	±2.5	PASS
			VN	40	13.7	0.007405	±2.5	PASS
			VN	50	10.86	0.005870	±2.5	PASS
GSM1900	TM1	MCH	VN	-30	15.7	0.008351	±2.5	PASS
			VN	-20	15.97	0.008495	±2.5	PASS
			VN	-10	12.79	0.006803	±2.5	PASS
			VN	0	17.86	0.009500	±2.5	PASS
			VN	10	14.03	0.007463	±2.5	PASS
			VN	20	15.44	0.008213	±2.5	PASS
			VN	30	13.54	0.007202	±2.5	PASS
			VN	40	14.23	0.007569	±2.5	PASS
			VN	50	13.21	0.007027	±2.5	PASS
GSM1900	TM1	HCH	VN	-30	11.9	0.006231	±2.5	PASS
			VN	-20	7.89	0.004131	±2.5	PASS
			VN	-10	13.5	0.007069	±2.5	PASS
			VN	0	10.22	0.005351	±2.5	PASS
			VN	10	11.62	0.006084	±2.5	PASS
			VN	20	12.99	0.006802	±2.5	PASS
			VN	30	9.71	0.005084	±2.5	PASS
			VN	40	11.76	0.006158	±2.5	PASS
			VN	50	11.11	0.005817	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
GSM1900	TM2	LCH	VN	-30	13.83	0.007475	±2.5	PASS
			VN	-20	12.95	0.006999	±2.5	PASS
			VN	-10	14.74	0.007967	±2.5	PASS
			VN	0	15.69	0.008480	±2.5	PASS
			VN	10	12.73	0.006880	±2.5	PASS
			VN	20	15.79	0.008534	±2.5	PASS
			VN	30	17.56	0.009491	±2.5	PASS
			VN	40	15.82	0.008550	±2.5	PASS
			VN	50	18.09	0.009777	±2.5	PASS
GSM1900	TM2	MCH	VN	-30	11.66	0.006202	±2.5	PASS
			VN	-20	13.97	0.007431	±2.5	PASS
			VN	-10	13.91	0.007399	±2.5	PASS
			VN	0	12.6	0.006702	±2.5	PASS
			VN	10	11.55	0.006144	±2.5	PASS
			VN	20	12.94	0.006883	±2.5	PASS
			VN	30	10.48	0.005574	±2.5	PASS
			VN	40	17.86	0.009500	±2.5	PASS
			VN	50	16.8	0.008936	±2.5	PASS
GSM1900	TM2	HCH	VN	-30	8.79	0.004603	±2.5	PASS
			VN	-20	10.6	0.005550	±2.5	PASS
			VN	-10	10.04	0.005257	±2.5	PASS
			VN	0	12.04	0.006304	±2.5	PASS
			VN	10	9.97	0.005220	±2.5	PASS
			VN	20	9.71	0.005084	±2.5	PASS
			VN	30	6.55	0.003430	±2.5	PASS
			VN	40	15.9	0.008325	±2.5	PASS
			VN	50	9.44	0.004943	±2.5	PASS

WCDMA

Test Data:

Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA8 50	TM1	LCH	TN	VL	-15.97	-0.019325	±2.5	PASS
			TN	VN	-4.62	-0.005591	±2.5	PASS
			TN	VH	-7.72	-0.009342	±2.5	PASS
		MCH	TN	VL	-10.8	-0.012912	±2.5	PASS
			TN	VN	-4.6	-0.005500	±2.5	PASS
			TN	VH	-11.55	-0.013809	±2.5	PASS
		HCH	TN	VL	-8.99	-0.010619	±2.5	PASS
			TN	VN	-4.63	-0.005469	±2.5	PASS
			TN	VH	-16.89	-0.019950	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1 900	TM1	LCH	TN	VL	-19.91	-0.010748	±2.5	PASS
			TN	VN	-15.43	-0.008330	±2.5	PASS
			TN	VH	-12.06	-0.006510	±2.5	PASS
		MCH	TN	VL	-14.51	-0.007718	±2.5	PASS
			TN	VN	-15.4	-0.008191	±2.5	PASS
			TN	VH	-12.02	-0.006394	±2.5	PASS
		HCH	TN	VL	-14.67	-0.007690	±2.5	PASS
			TN	VN	-15.4	-0.008073	±2.5	PASS
			TN	VH	-12.77	-0.006694	±2.5	PASS

Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA8 50	TM1	LCH	VN	-30	-7.24	-0.008761	±2.5	PASS
			VN	-20	-6.76	-0.008180	±2.5	PASS
			VN	-10	-13.89	-0.016808	±2.5	PASS
			VN	0	-15.09	-0.018260	±2.5	PASS
			VN	10	-9.1	-0.011012	±2.5	PASS
			VN	20	-8.4	-0.010165	±2.5	PASS
			VN	30	-12.19	-0.014751	±2.5	PASS
			VN	40	-12.93	-0.015646	±2.5	PASS
			VN	50	-14.26	-0.017256	±2.5	PASS
WCDMA8 50	TM1	MCH	VN	-30	-13.28	-0.016070	±2.5	PASS
			VN	-20	-15.6	-0.018877	±2.5	PASS
			VN	-10	-5.63	-0.006813	±2.5	PASS
			VN	0	-6	-0.007260	±2.5	PASS
			VN	10	-4.54	-0.005494	±2.5	PASS
			VN	20	-6.29	-0.007611	±2.5	PASS
			VN	30	-7.29	-0.008821	±2.5	PASS
			VN	40	-13.48	-0.016312	±2.5	PASS
			VN	50	-12.08	-0.014618	±2.5	PASS
WCDMA8 50	TM1	HCH	VN	-30	-9.56	-0.011292	±2.5	PASS
			VN	-20	-6.93	-0.008186	±2.5	PASS
			VN	-10	-9.03	-0.010666	±2.5	PASS
			VN	0	-5.98	-0.007064	±2.5	PASS
			VN	10	-5.15	-0.006083	±2.5	PASS
			VN	20	-6.91	-0.008162	±2.5	PASS
			VN	30	-6.09	-0.007193	±2.5	PASS
			VN	40	-6.22	-0.007347	±2.5	PASS
			VN	50	-5.16	-0.006095	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp	Freq.Error (Hz)	Freq.vs.rated (ppm)	Limit (ppm)	Verdict
WCDMA1 900	TM1	LCH	VN	-30	-11.88	-0.006413	±2.5	PASS
			VN	-20	-10.6	-0.005722	±2.5	PASS
			VN	-10	-6.5	-0.003509	±2.5	PASS
			VN	0	-8.69	-0.004691	±2.5	PASS
			VN	10	-9.74	-0.005258	±2.5	PASS
			VN	20	-10.97	-0.005922	±2.5	PASS
			VN	30	-12.34	-0.006662	±2.5	PASS
			VN	40	-10.61	-0.005728	±2.5	PASS
			VN	50	-12.67	-0.006840	±2.5	PASS
WCDMA1 900	TM1	MCH	VN	-30	-7.55	-0.004016	±2.5	PASS
			VN	-20	-8.26	-0.004394	±2.5	PASS
			VN	-10	-5.09	-0.002707	±2.5	PASS
			VN	0	-4.21	-0.002239	±2.5	PASS
			VN	10	-11.14	-0.005926	±2.5	PASS
			VN	20	-4.25	-0.002261	±2.5	PASS
			VN	30	-13.36	-0.007106	±2.5	PASS
			VN	40	-1.58	-0.000840	±2.5	PASS
			VN	50	-10.28	-0.005468	±2.5	PASS
WCDMA1 900	TM1	HCH	VN	-30	-12.78	-0.006700	±2.5	PASS
			VN	-20	-10.14	-0.005316	±2.5	PASS
			VN	-10	-12.57	-0.006589	±2.5	PASS
			VN	0	-6.11	-0.003203	±2.5	PASS
			VN	10	-4.9	-0.002569	±2.5	PASS
			VN	20	-7.07	-0.003706	±2.5	PASS
			VN	30	-7.72	-0.004047	±2.5	PASS
			VN	40	-7.11	-0.003727	±2.5	PASS
			VN	50	-9.05	-0.004744	±2.5	PASS

LTE Band 2

Test Data:

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-8.89	-0.004716	± 2.5	PASS
		VN	TN	-7.12	-0.003777	± 2.5	PASS
		VH	TN	-8.87	-0.004706	± 2.5	PASS
	MCH	VL	TN	-6.62	-0.003521	± 2.5	PASS
		VN	TN	-9.55	-0.005080	± 2.5	PASS
		VH	TN	-6.79	-0.003612	± 2.5	PASS
	HCH	VL	TN	-7.66	-0.004021	± 2.5	PASS
		VN	TN	-10.18	-0.005344	± 2.5	PASS
		VH	TN	-9.84	-0.005165	± 2.5	PASS
16QAM	LCH	VL	TN	-2.6	-0.001379	± 2.5	PASS
		VN	TN	-8.62	-0.004573	± 2.5	PASS
		VH	TN	-14.1	-0.007480	± 2.5	PASS
	MCH	VL	TN	-9.91	-0.005271	± 2.5	PASS
		VN	TN	-5.06	-0.002691	± 2.5	PASS
		VH	TN	-6.43	-0.003420	± 2.5	PASS
	HCH	VL	TN	-7.94	-0.004168	± 2.5	PASS
		VN	TN	-9.04	-0.004745	± 2.5	PASS
		VH	TN	-6.61	-0.003470	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-6.16	-0.003268	± 2.5	PASS
		VN	-20	-7.36	-0.003905	± 2.5	PASS
		VN	-10	-4.87	-0.002584	± 2.5	PASS
		VN	0	-5.31	-0.002817	± 2.5	PASS
		VN	10	-11.78	-0.006249	± 2.5	PASS
		VN	20	-13.44	-0.007130	± 2.5	PASS
		VN	30	-6.08	-0.003225	± 2.5	PASS
		VN	40	-8.63	-0.004578	± 2.5	PASS
		VN	50	-7.72	-0.004095	± 2.5	PASS
	MCH	VN	-30	-12.91	-0.006867	± 2.5	PASS
		VN	-20	-10	-0.005319	± 2.5	PASS
		VN	-10	-10.11	-0.005378	± 2.5	PASS
		VN	0	-6.31	-0.003356	± 2.5	PASS
		VN	10	-8.6	-0.004574	± 2.5	PASS
		VN	20	-12.58	-0.006691	± 2.5	PASS
		VN	30	-5.73	-0.003048	± 2.5	PASS
		VN	40	-6.41	-0.003410	± 2.5	PASS
		VN	50	-8.51	-0.004527	± 2.5	PASS
	HCH	VN	-30	-6.99	-0.003669	± 2.5	PASS
		VN	-20	-3.85	-0.002021	± 2.5	PASS

		VN	-10	-11.63	-0.006105	± 2.5	PASS
		VN	0	-6.12	-0.003213	± 2.5	PASS
		VN	10	-6.3	-0.003307	± 2.5	PASS
		VN	20	-10.19	-0.005349	± 2.5	PASS
		VN	30	-8.61	-0.004520	± 2.5	PASS
		VN	40	-10.75	-0.005643	± 2.5	PASS
		VN	50	-6.89	-0.003617	± 2.5	PASS
16QAM	LCH	VN	-30	-10.14	-0.005379	± 2.5	PASS
		VN	-20	-5.25	-0.002785	± 2.5	PASS
		VN	-10	-8.09	-0.004292	± 2.5	PASS
		VN	0	-9.09	-0.004822	± 2.5	PASS
		VN	10	-8.48	-0.004499	± 2.5	PASS
		VN	20	-4.11	-0.002180	± 2.5	PASS
		VN	30	-7.28	-0.003862	± 2.5	PASS
		VN	40	-8	-0.004244	± 2.5	PASS
		VN	50	-6.1	-0.003236	± 2.5	PASS
	MCH	VN	-30	-7.07	-0.003761	± 2.5	PASS
		VN	-20	-3.9	-0.002074	± 2.5	PASS
		VN	-10	-4.45	-0.002367	± 2.5	PASS
		VN	0	-14.04	-0.007468	± 2.5	PASS
		VN	10	-4.46	-0.002372	± 2.5	PASS
		VN	20	-5.39	-0.002867	± 2.5	PASS
		VN	30	-9.47	-0.005037	± 2.5	PASS
		VN	40	-12.73	-0.006771	± 2.5	PASS
		VN	50	-11.73	-0.006239	± 2.5	PASS
	HCH	VN	-30	-13.15	-0.006903	± 2.5	PASS
		VN	-20	-11.18	-0.005869	± 2.5	PASS
		VN	-10	-4.7	-0.002467	± 2.5	PASS
		VN	0	-8.47	-0.004446	± 2.5	PASS
		VN	10	-6.43	-0.003375	± 2.5	PASS
		VN	20	-13.56	-0.007118	± 2.5	PASS
		VN	30	-15.45	-0.008110	± 2.5	PASS
		VN	40	-3.07	-0.001612	± 2.5	PASS
		VN	50	4.97	0.002609	± 2.5	PASS