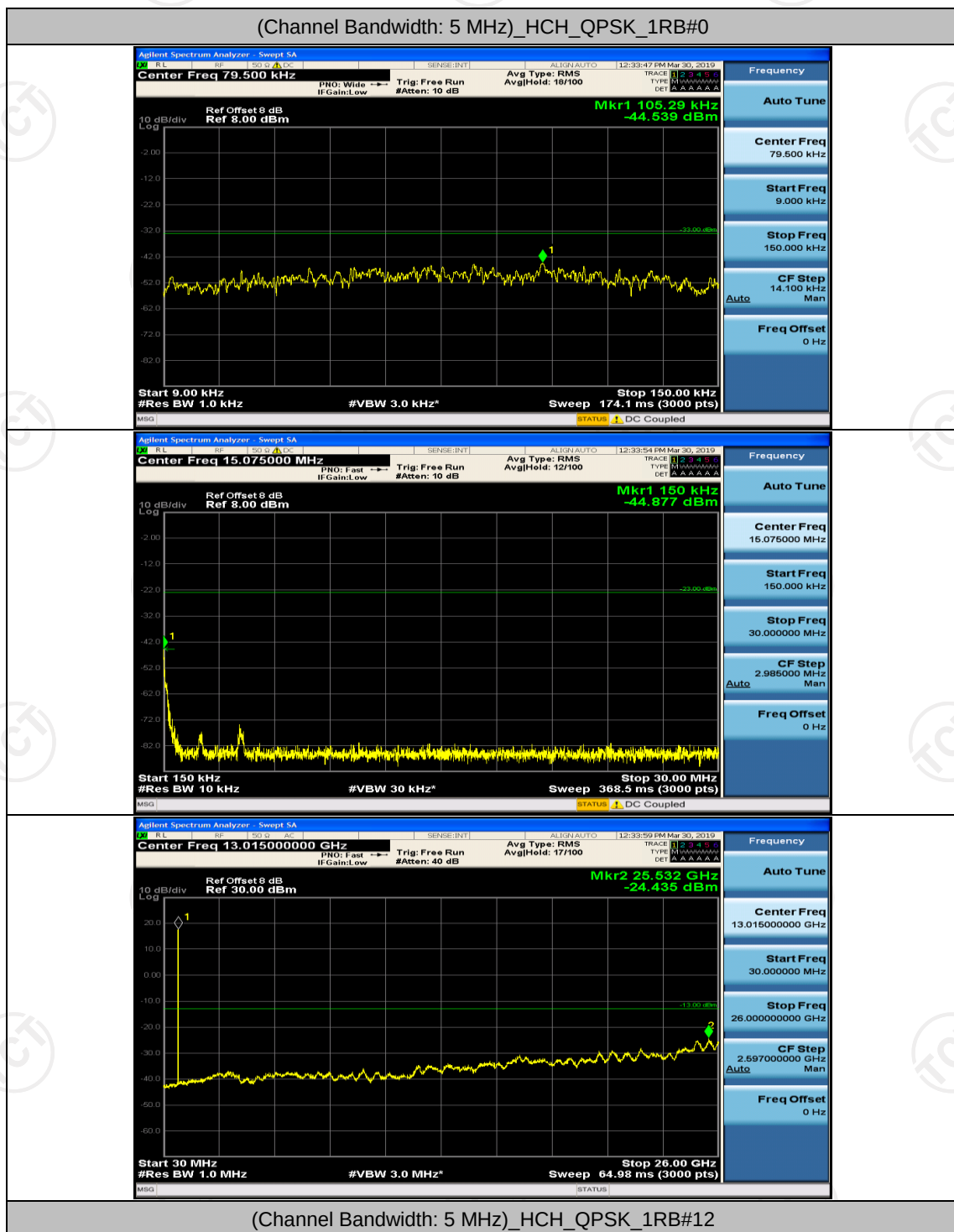
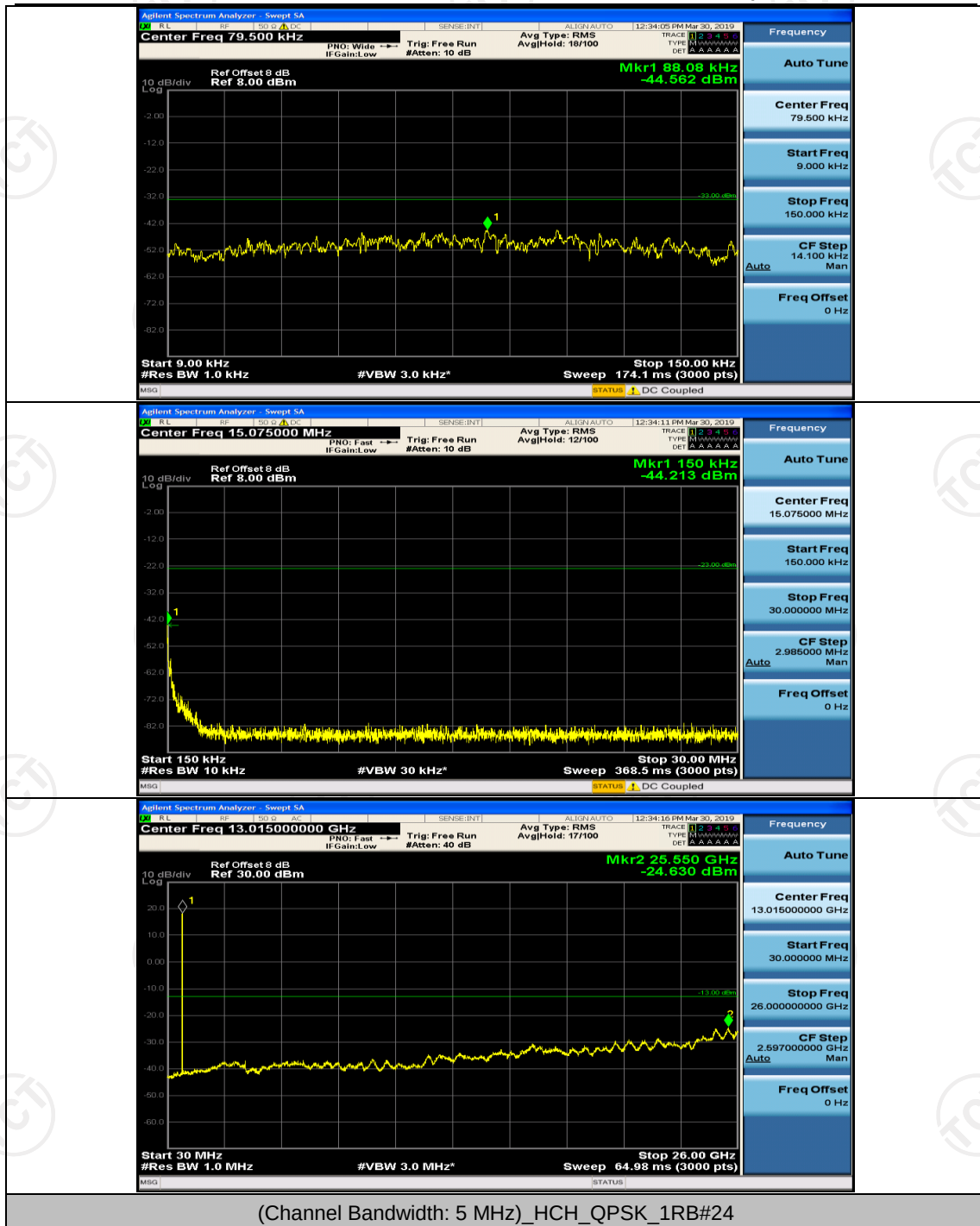
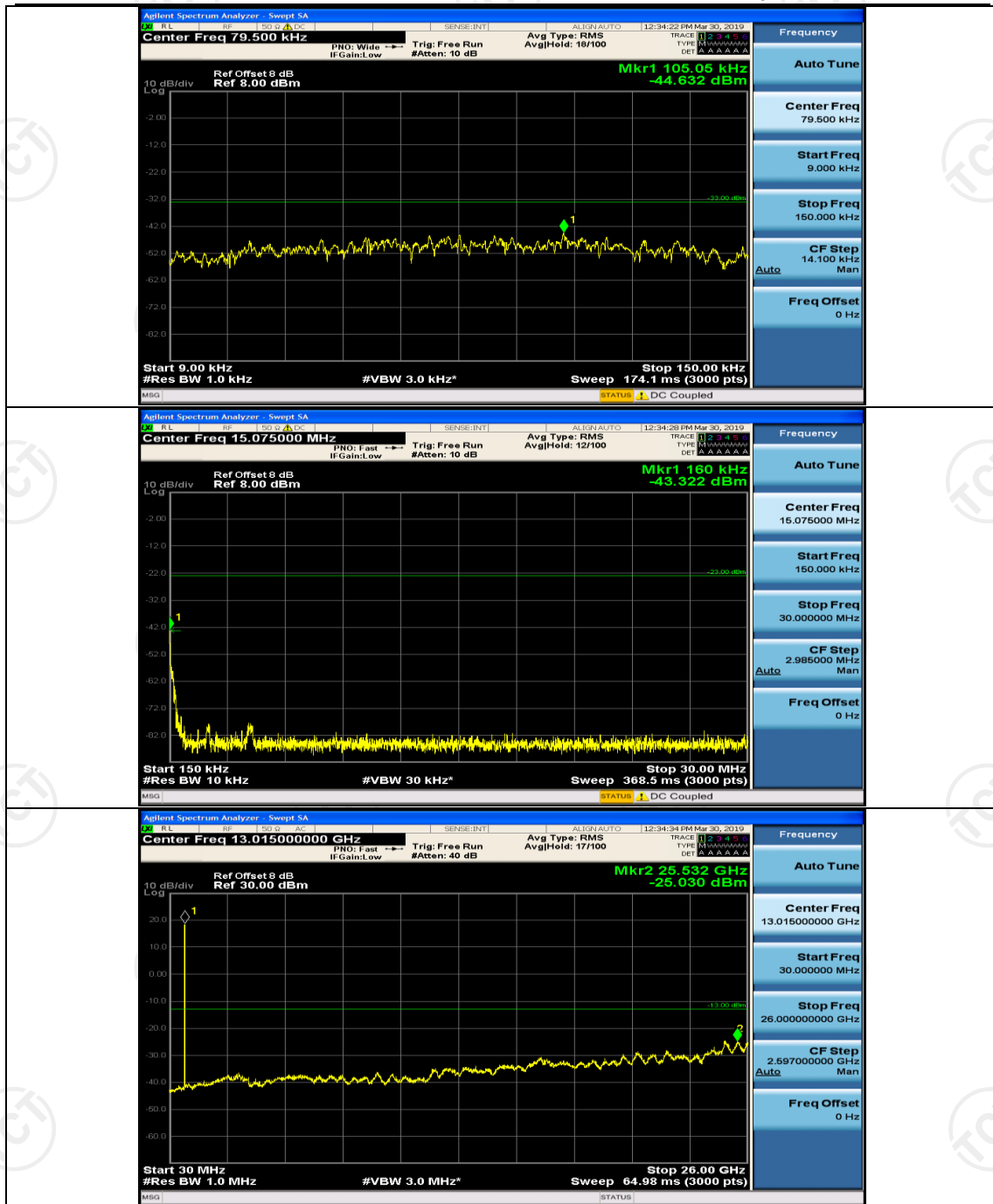
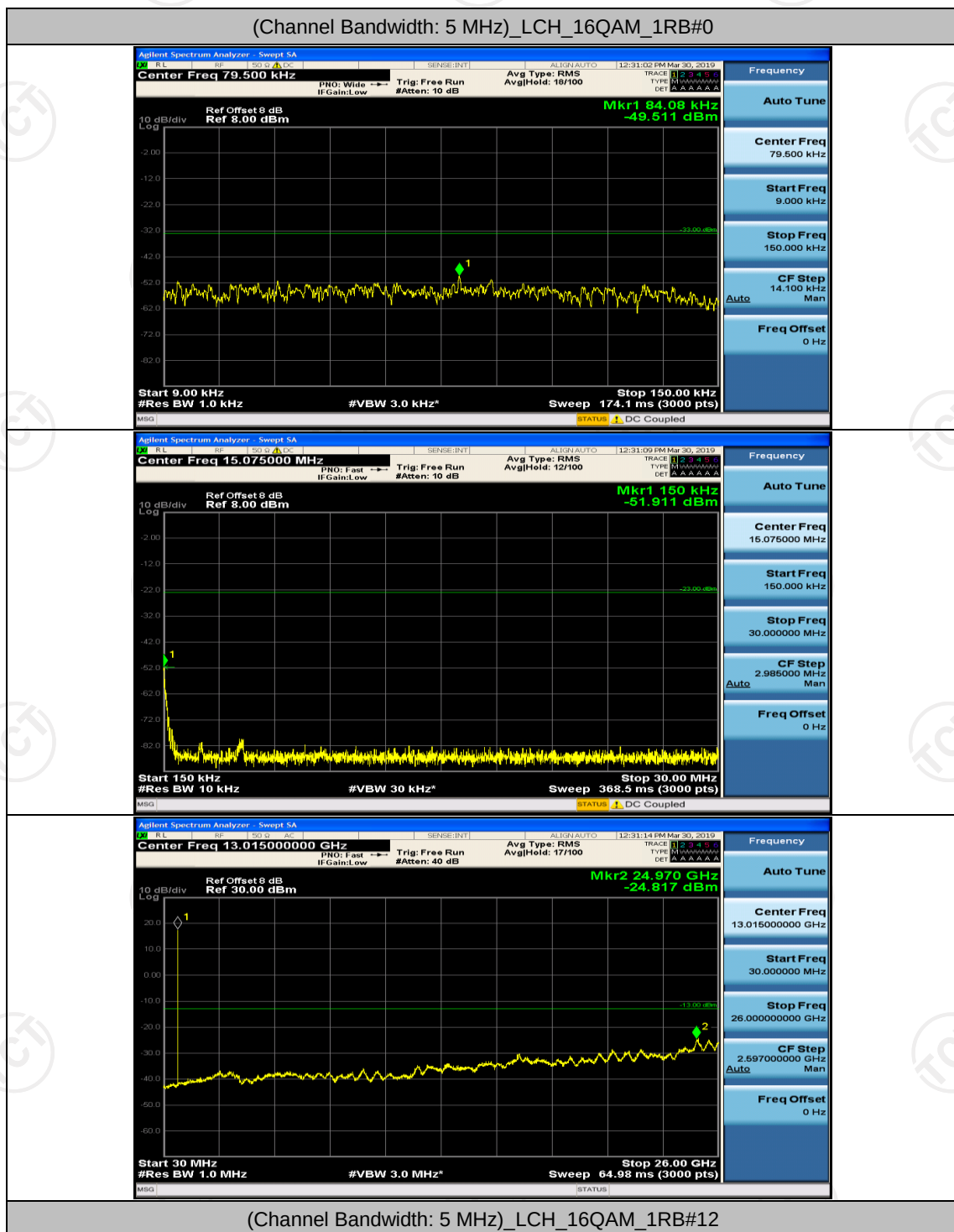
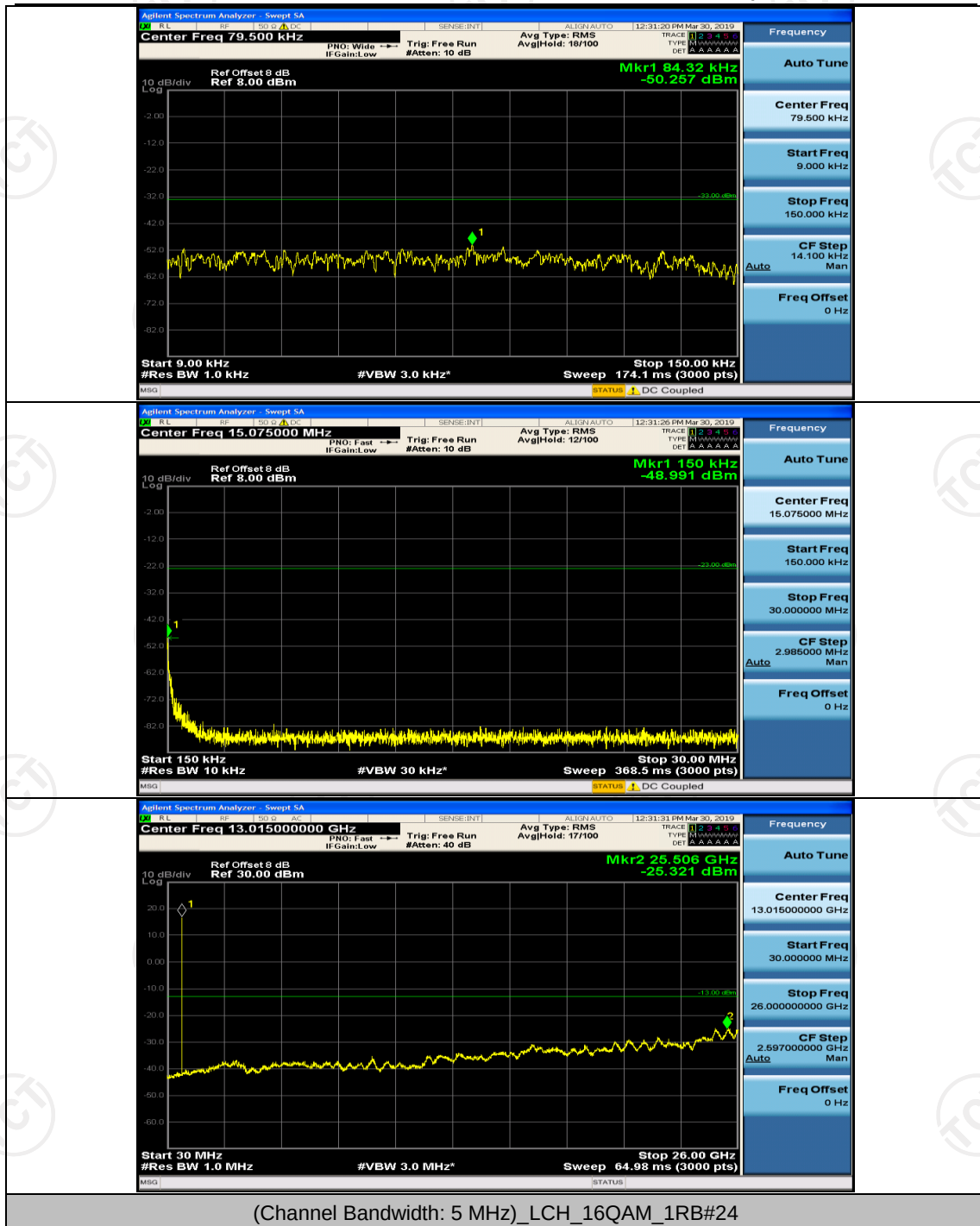


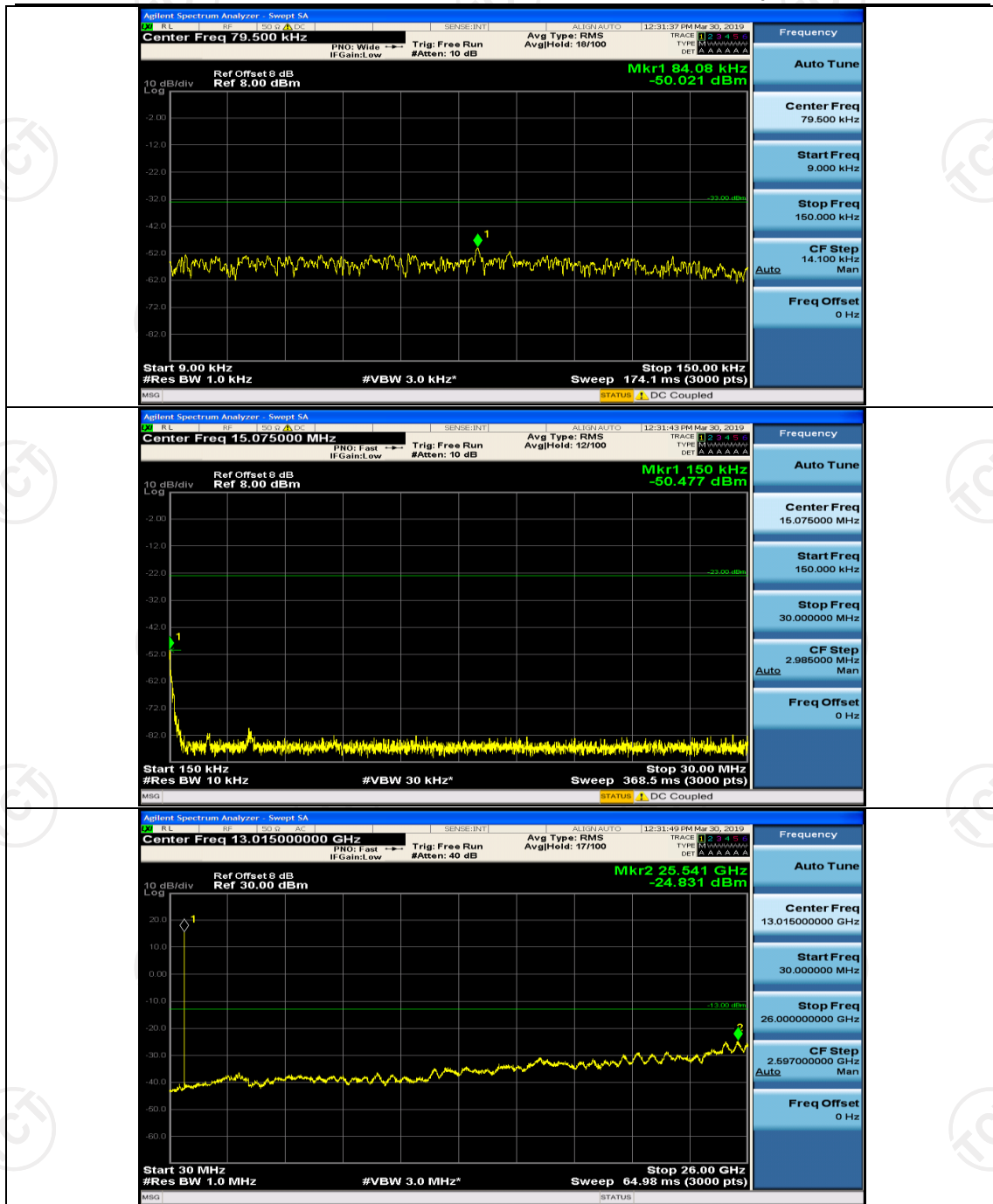


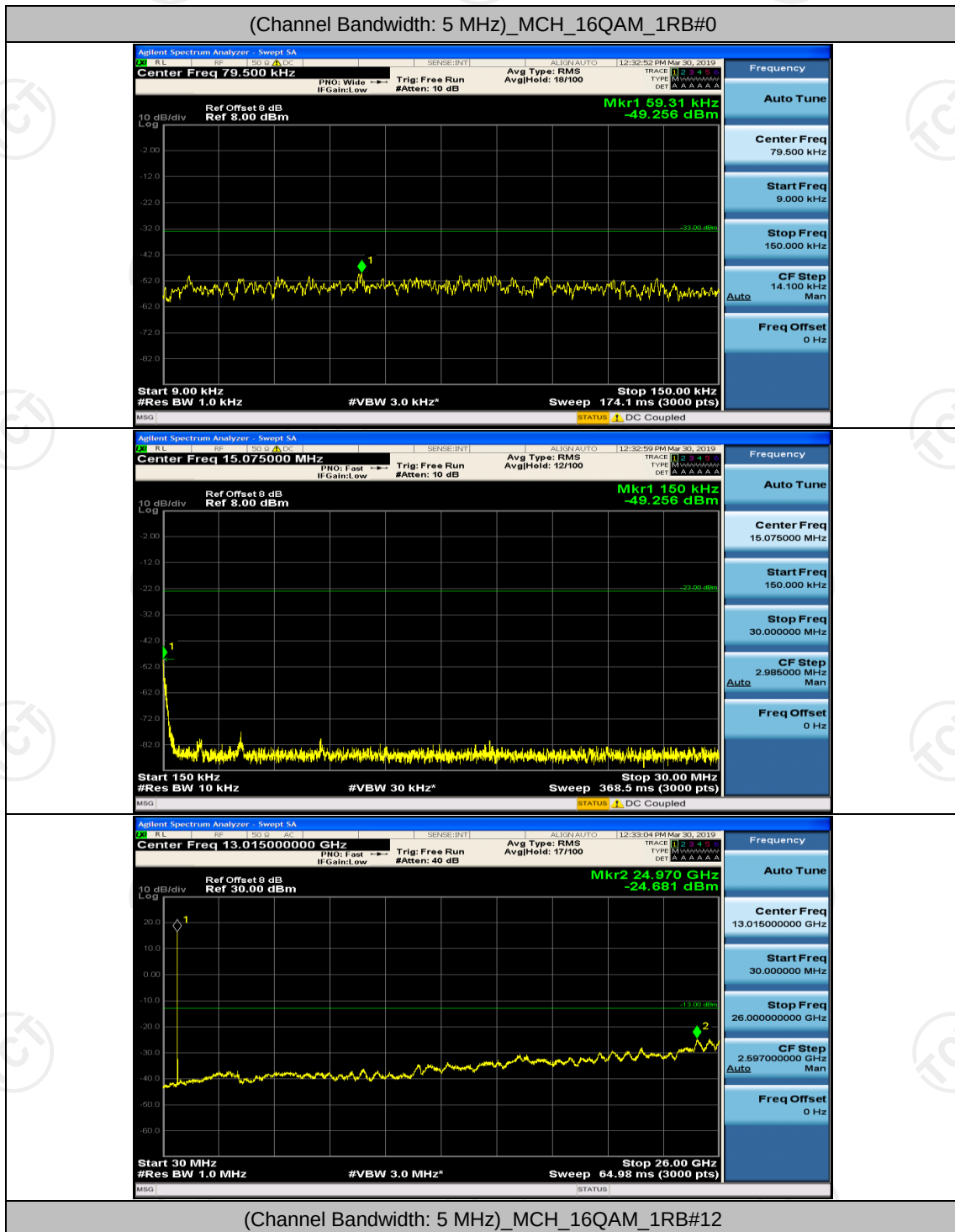


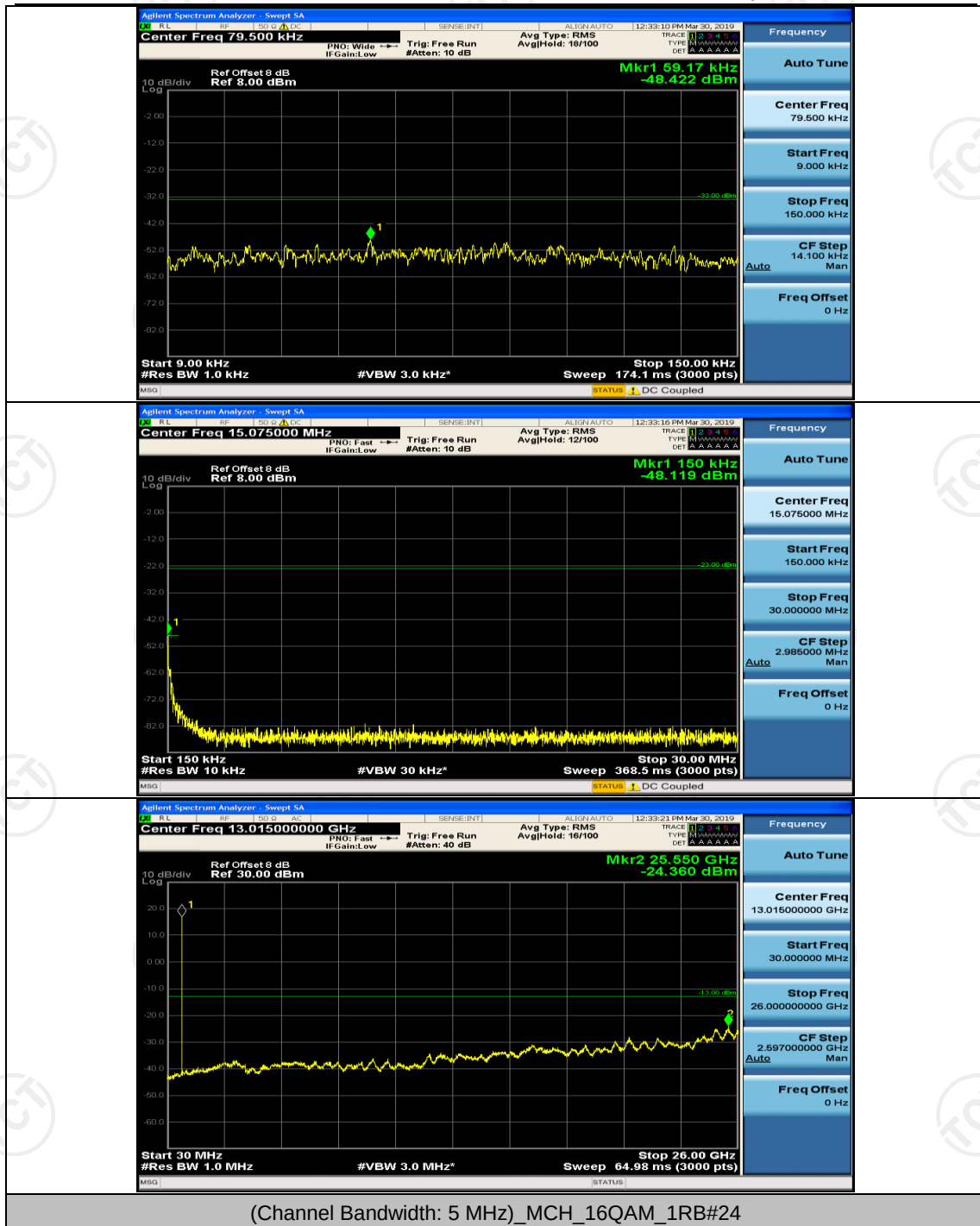


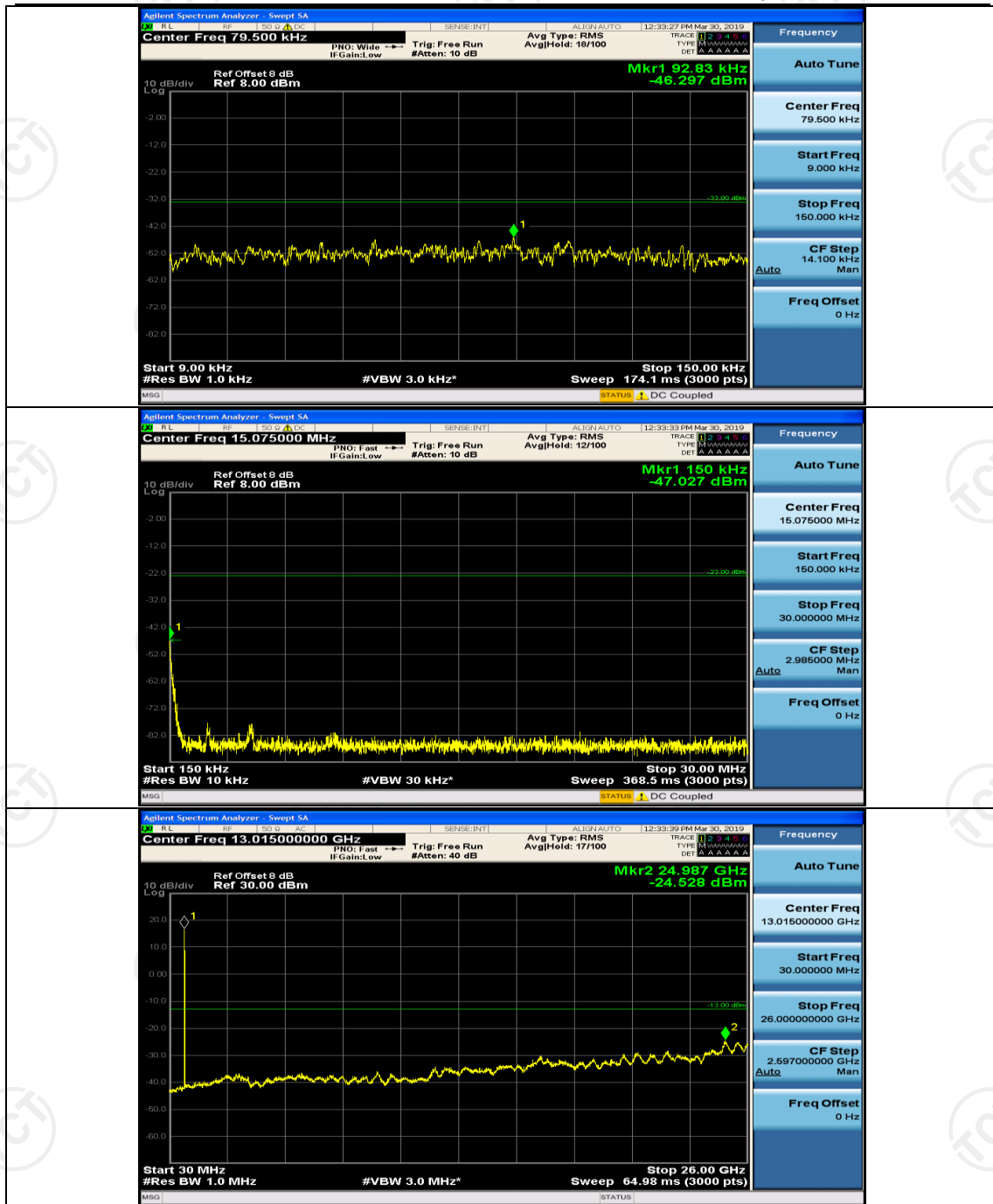


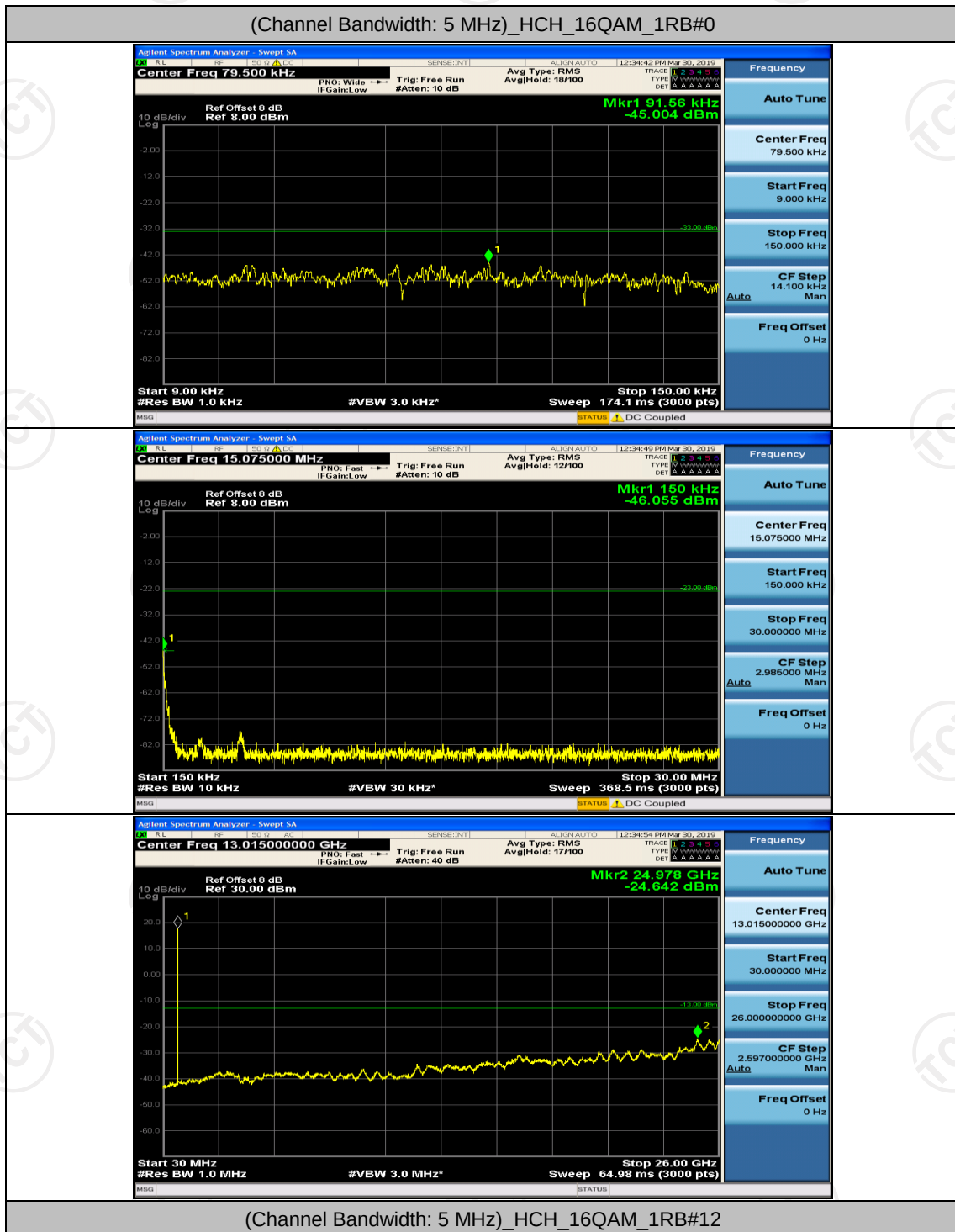


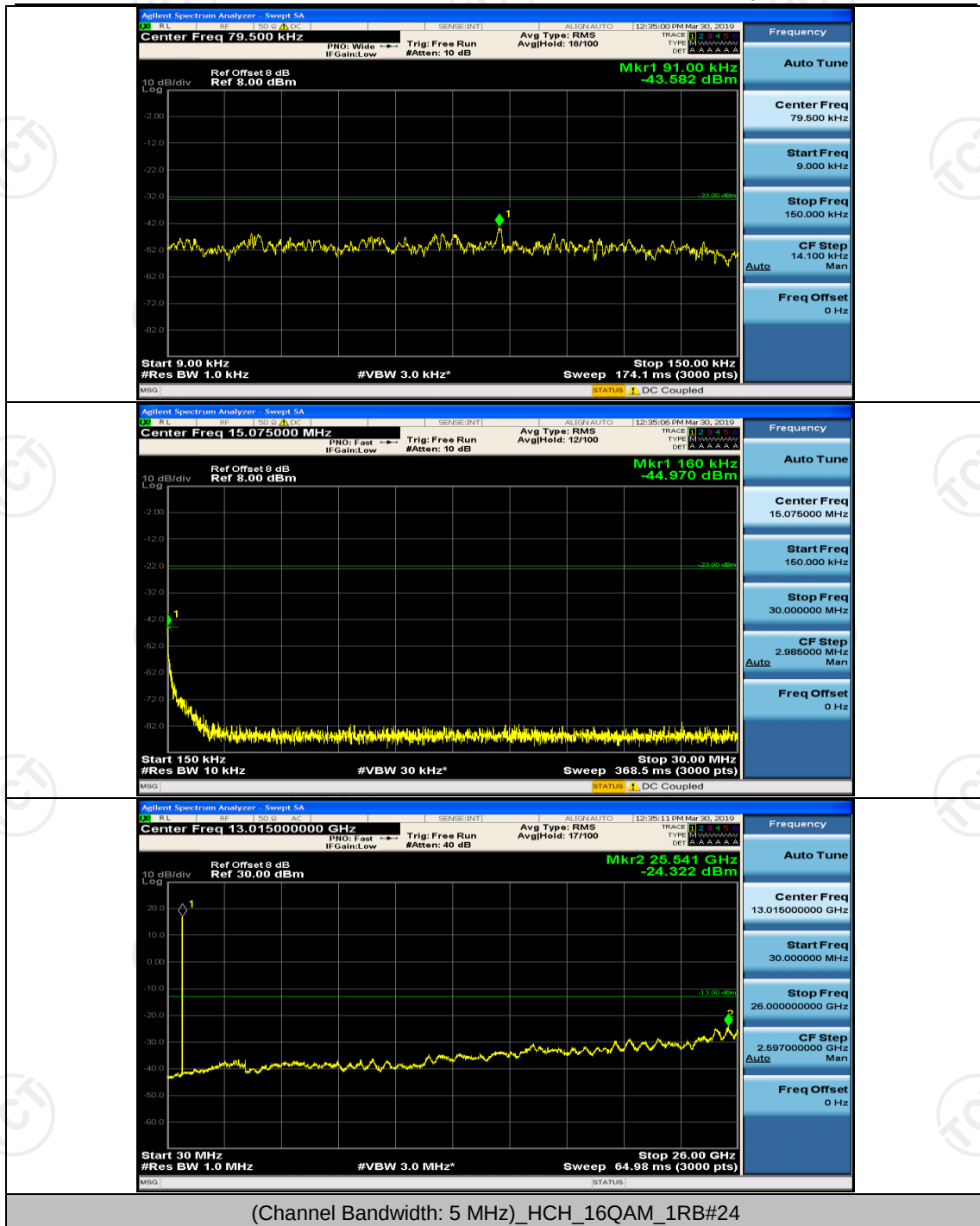


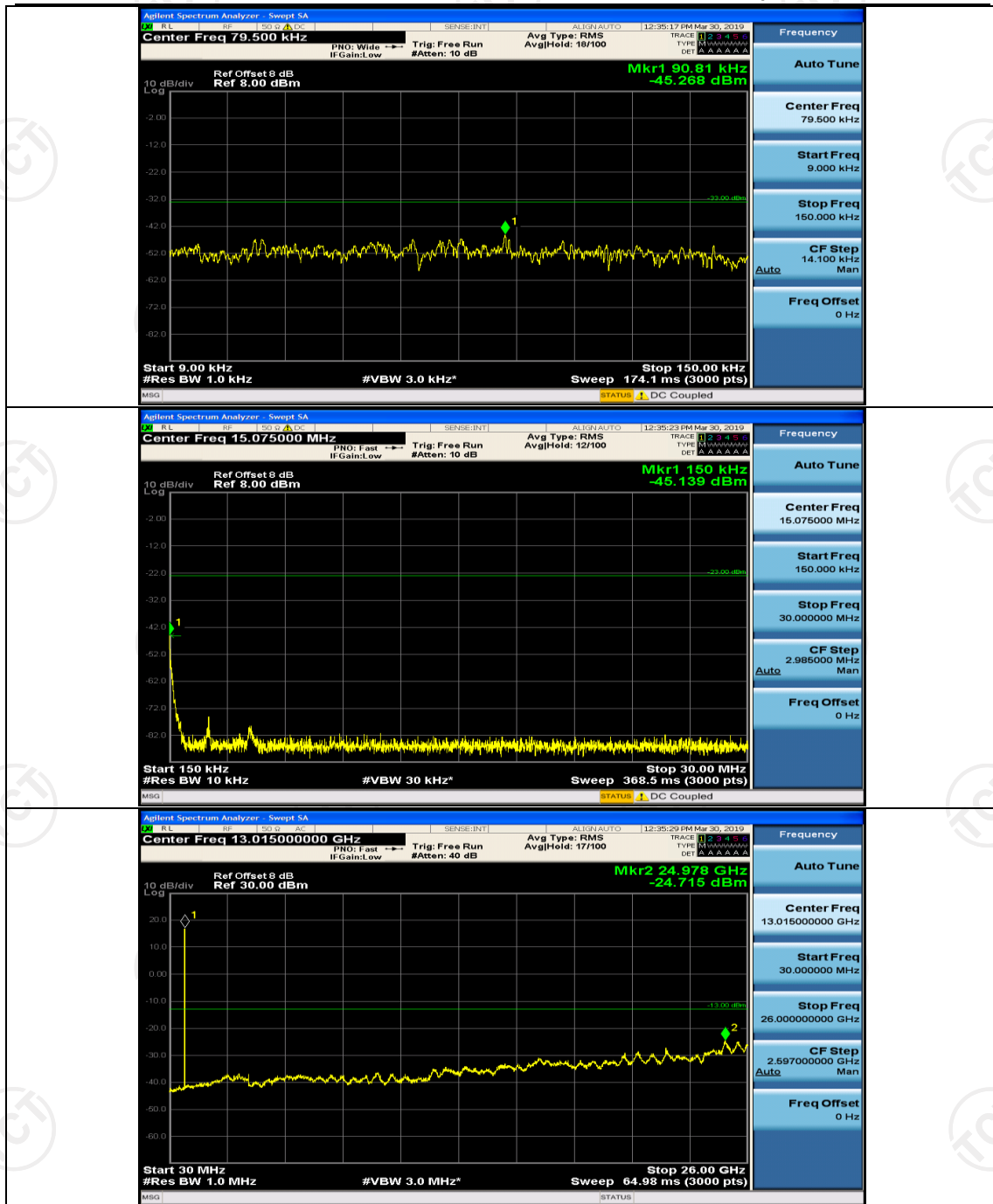




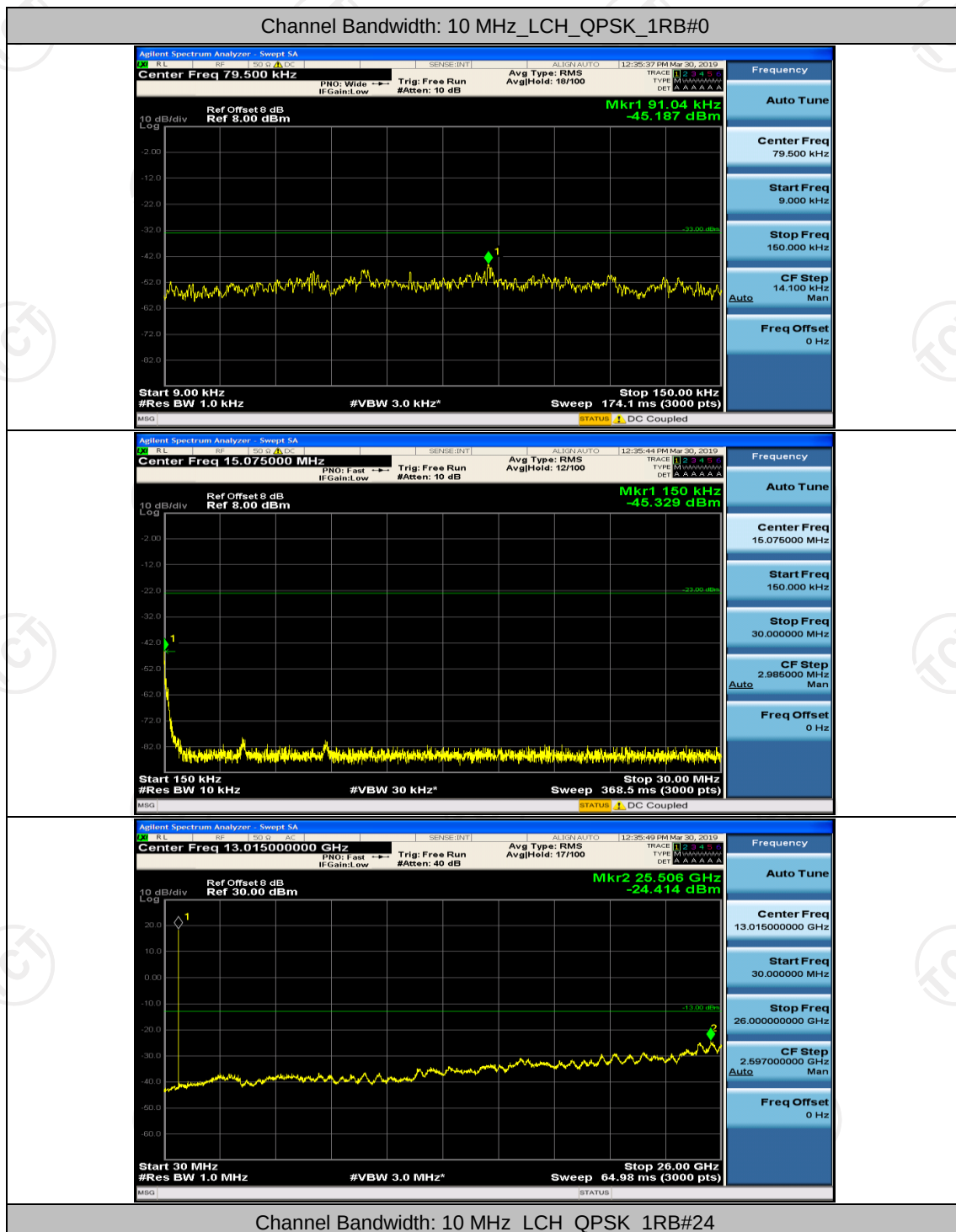


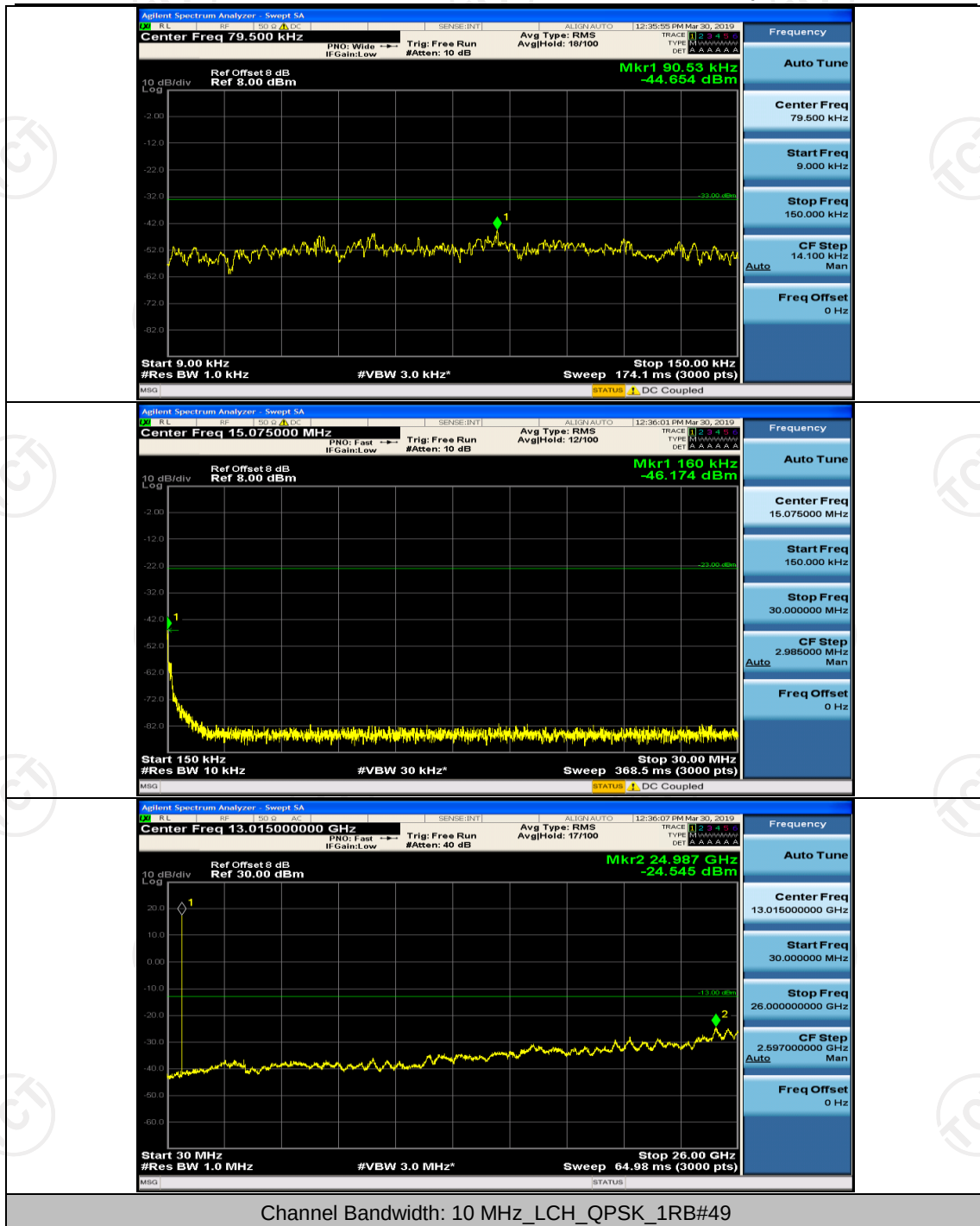


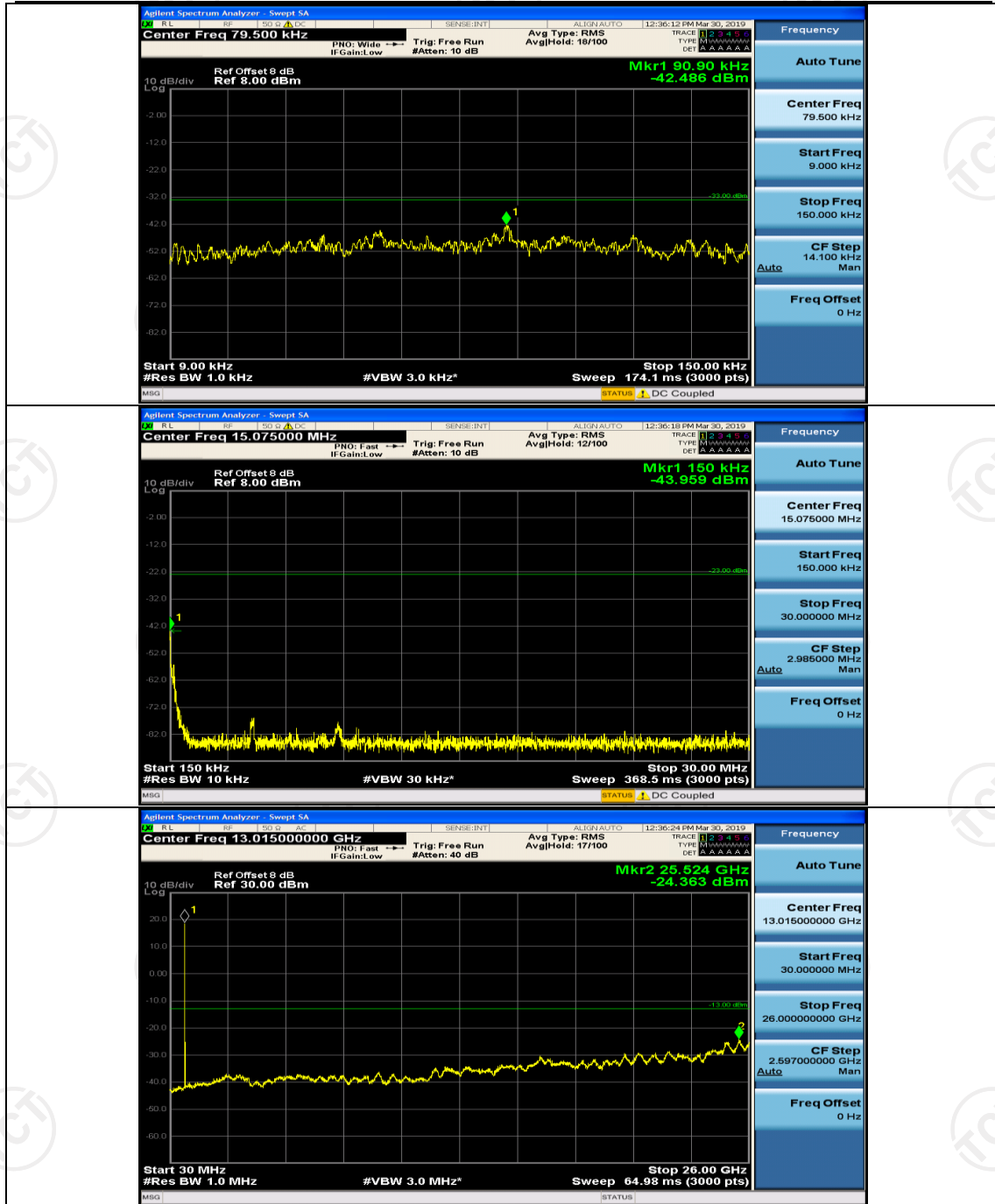


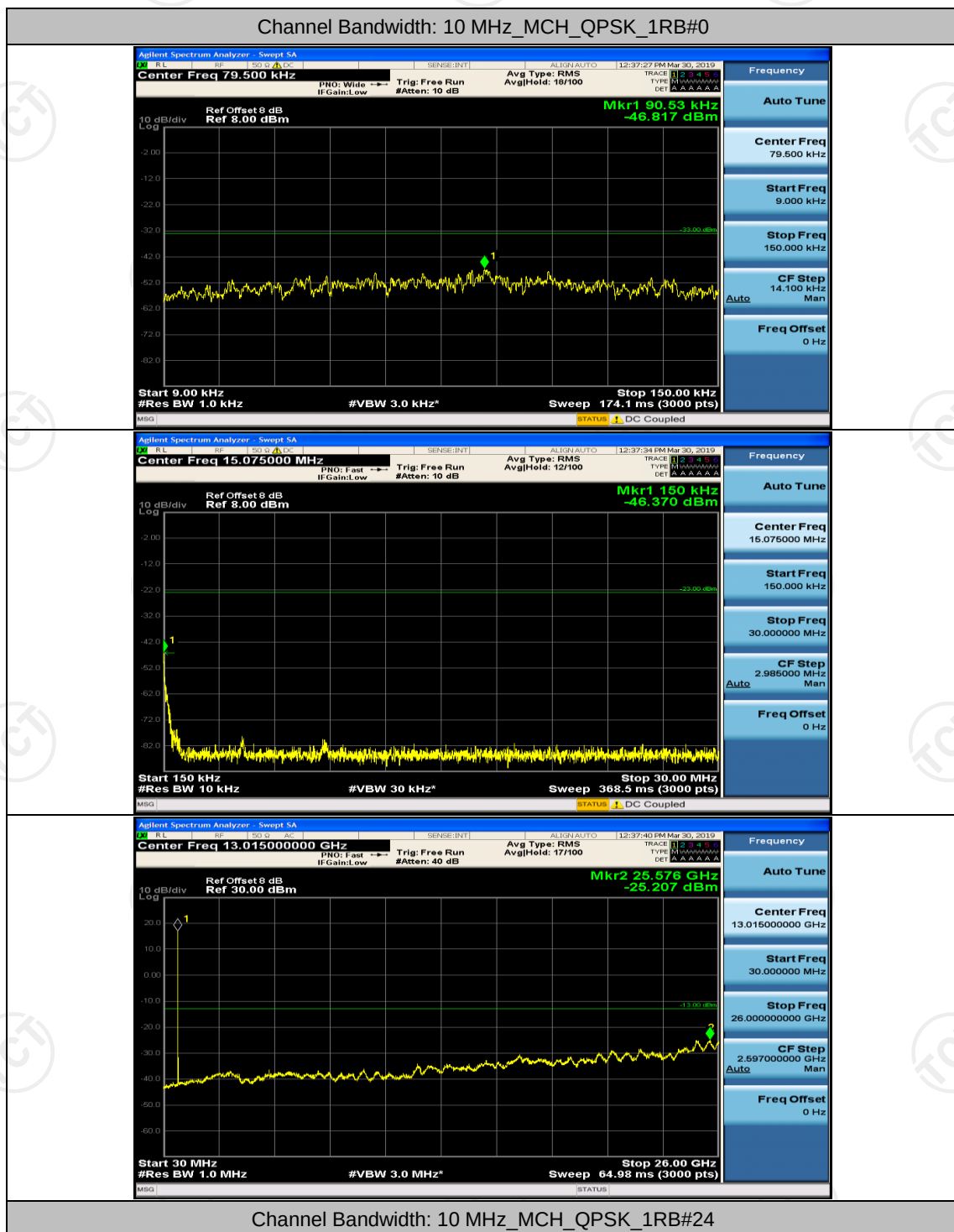


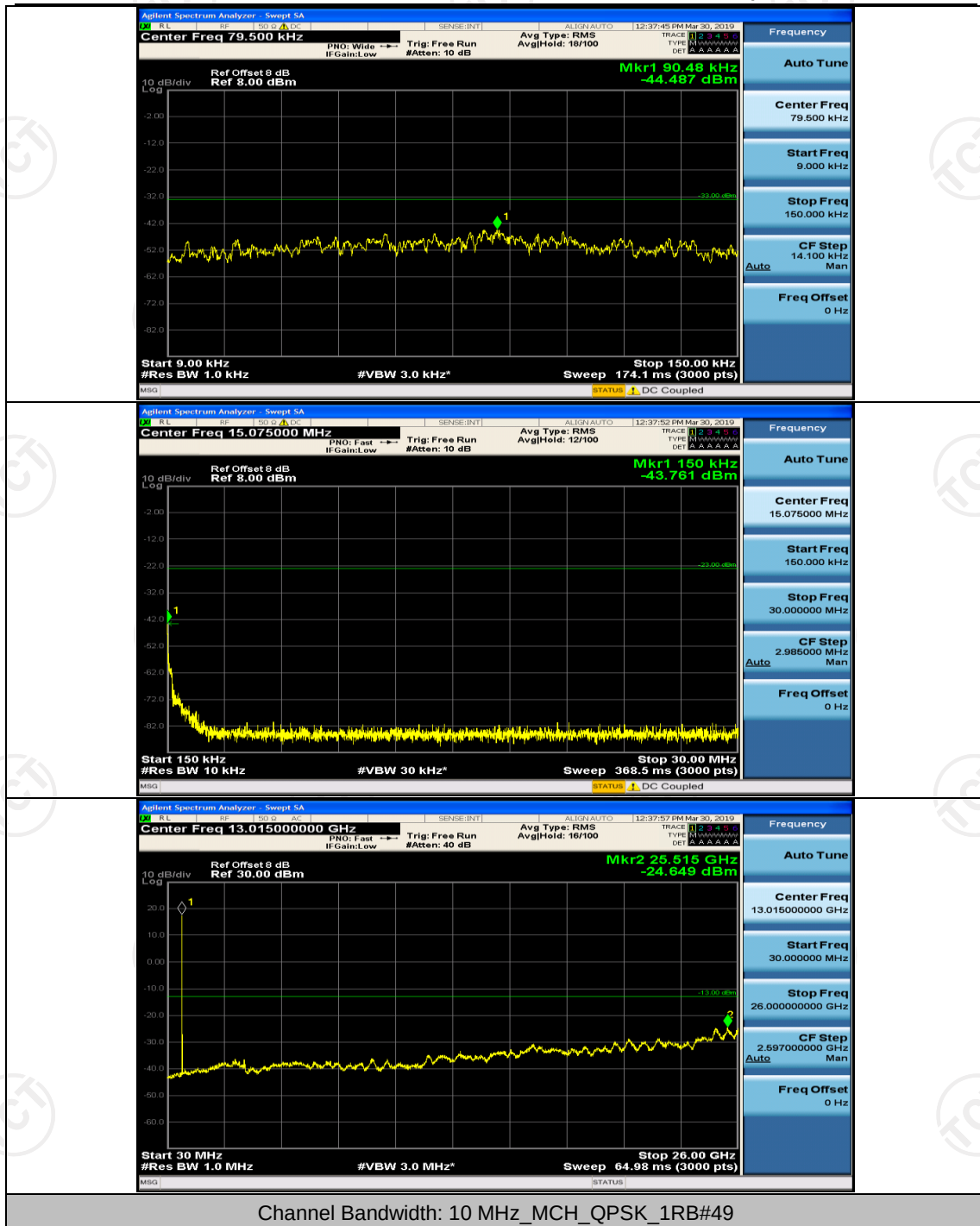
Channel Bandwidth: 10 MHz

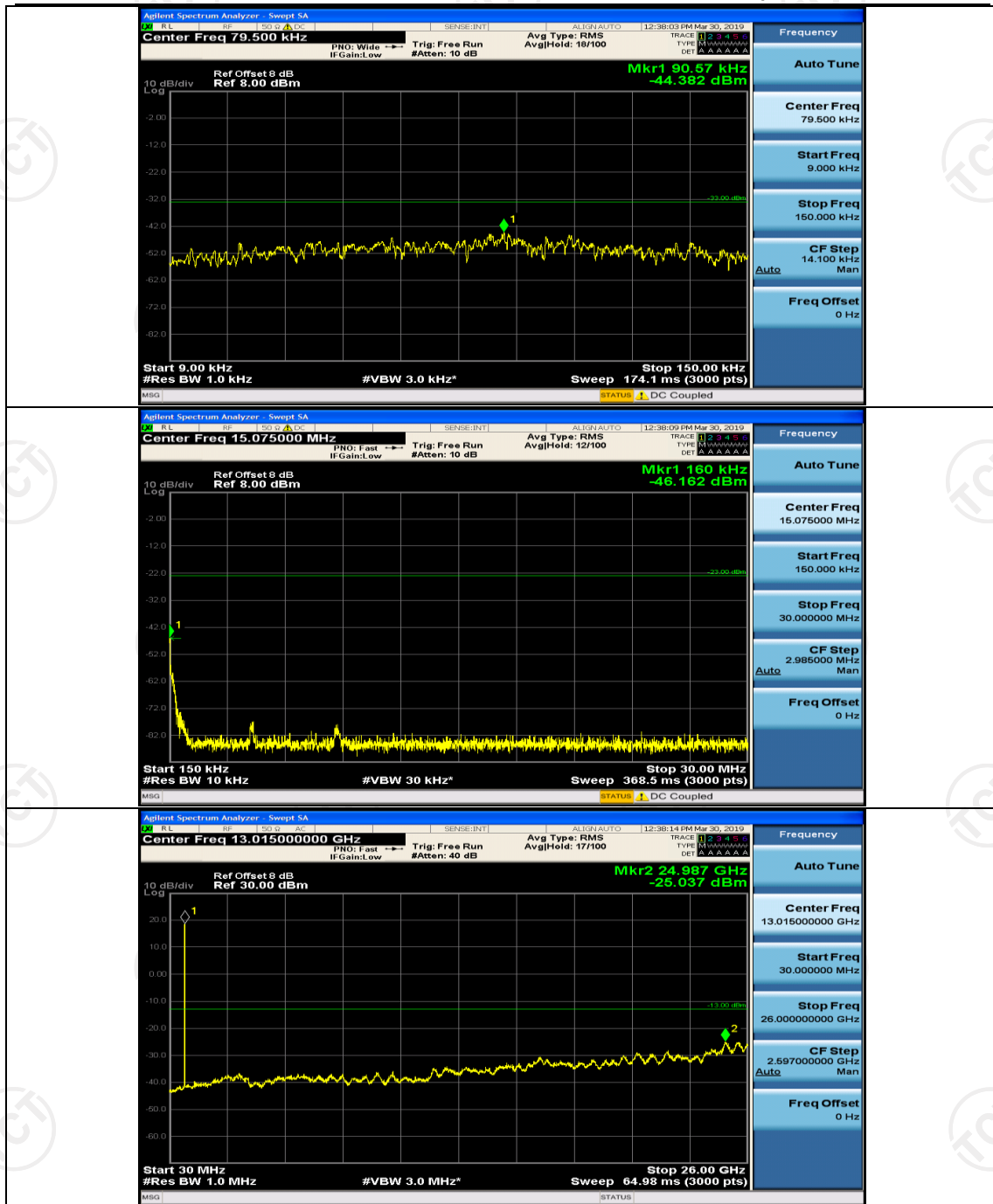


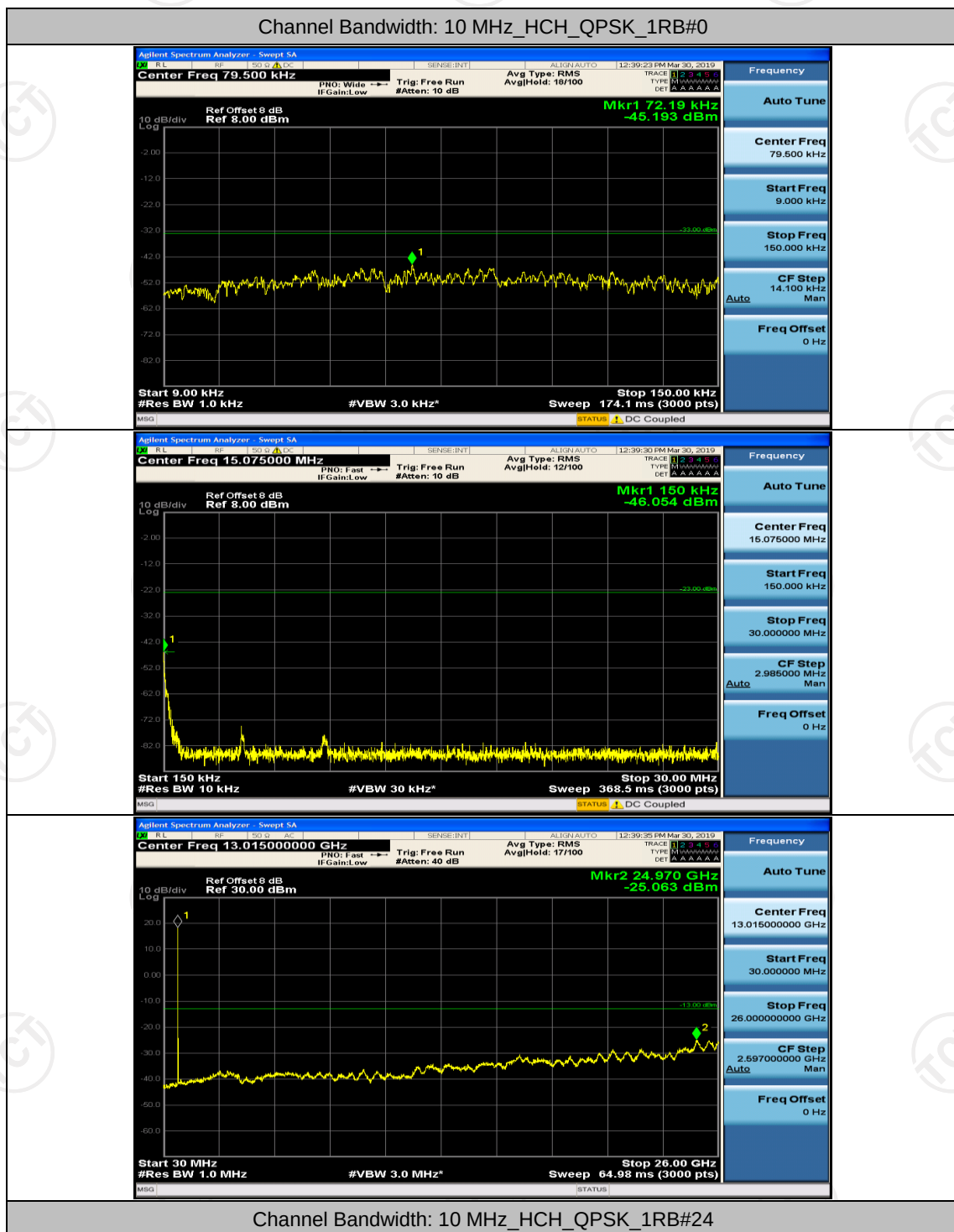


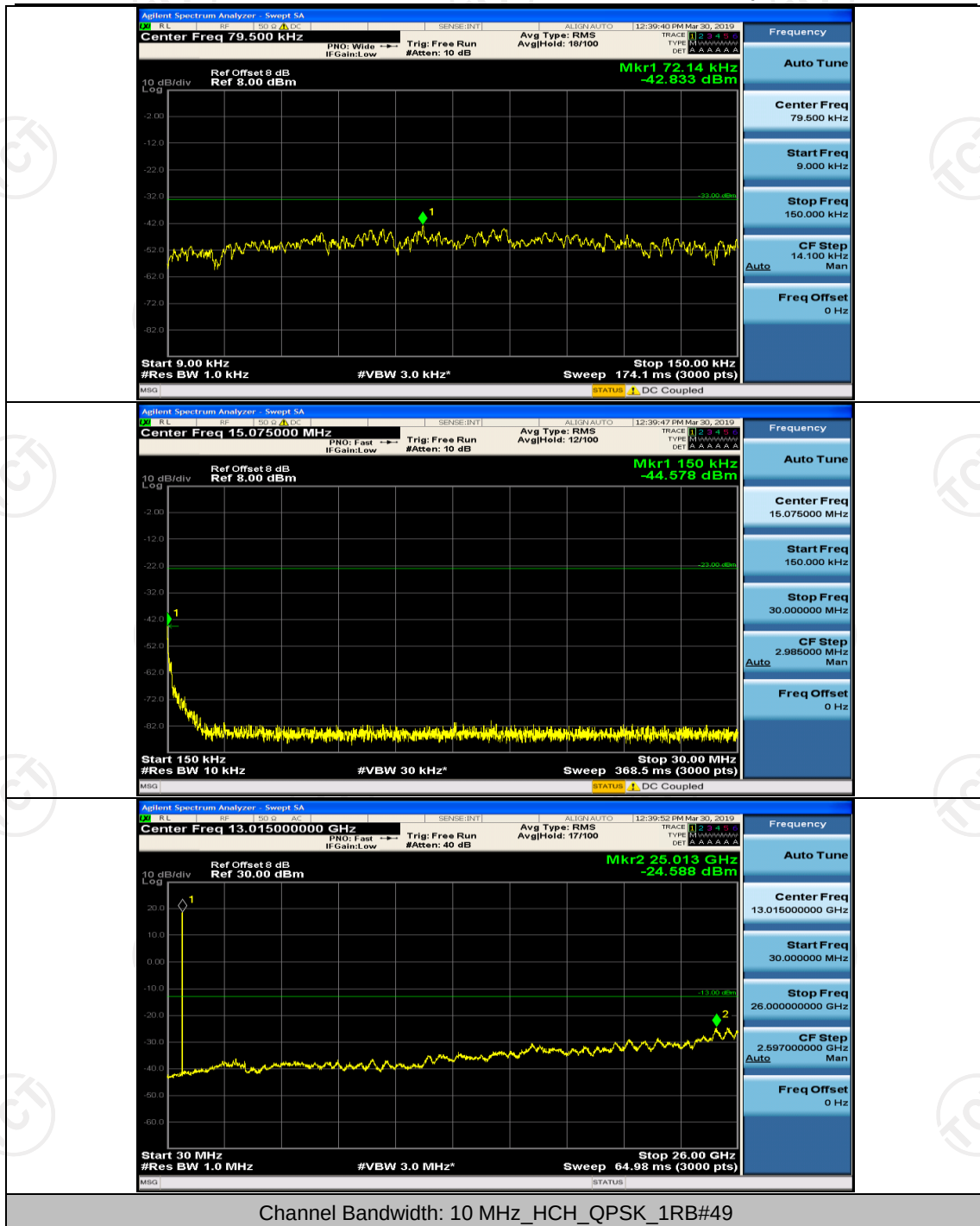


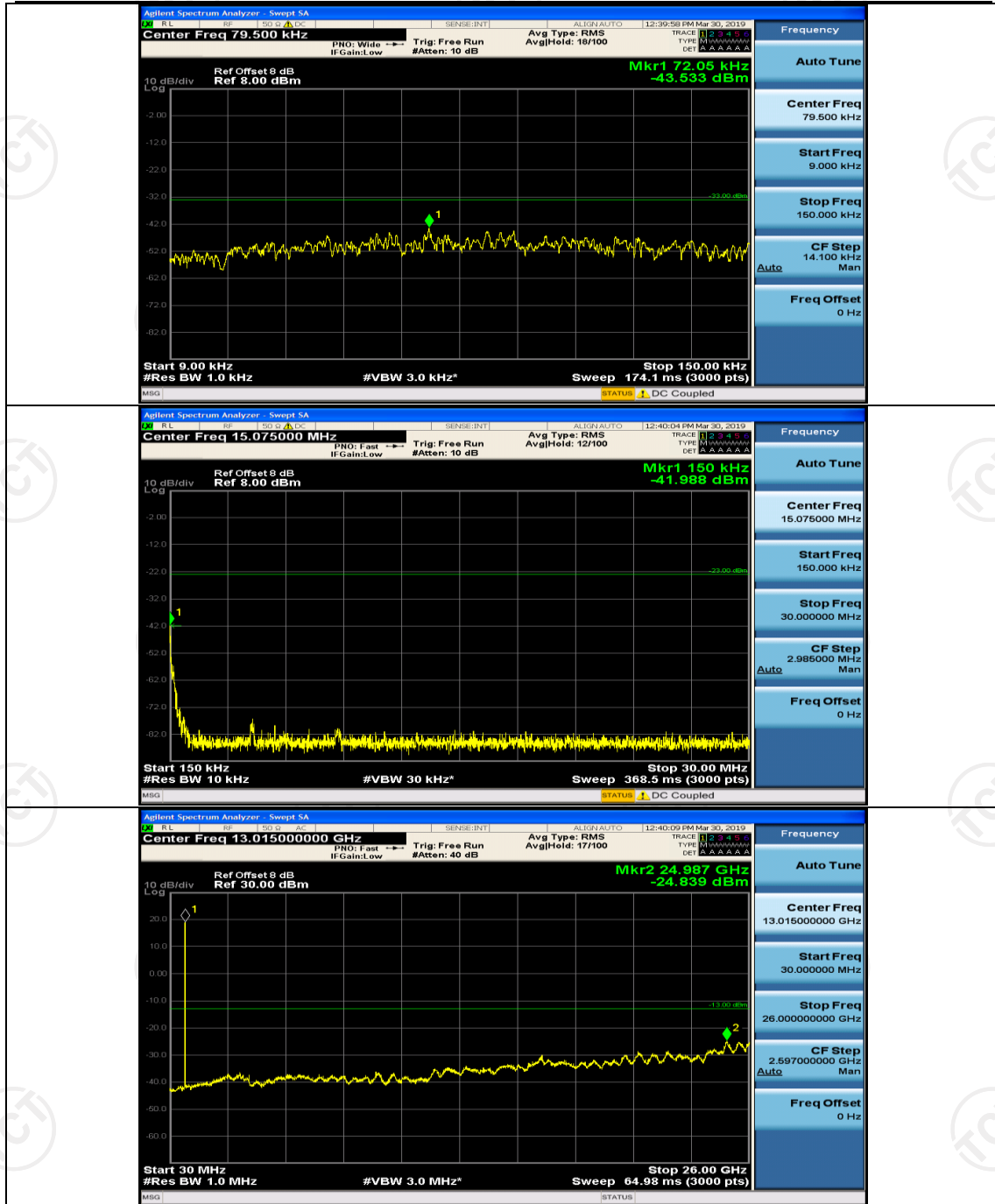


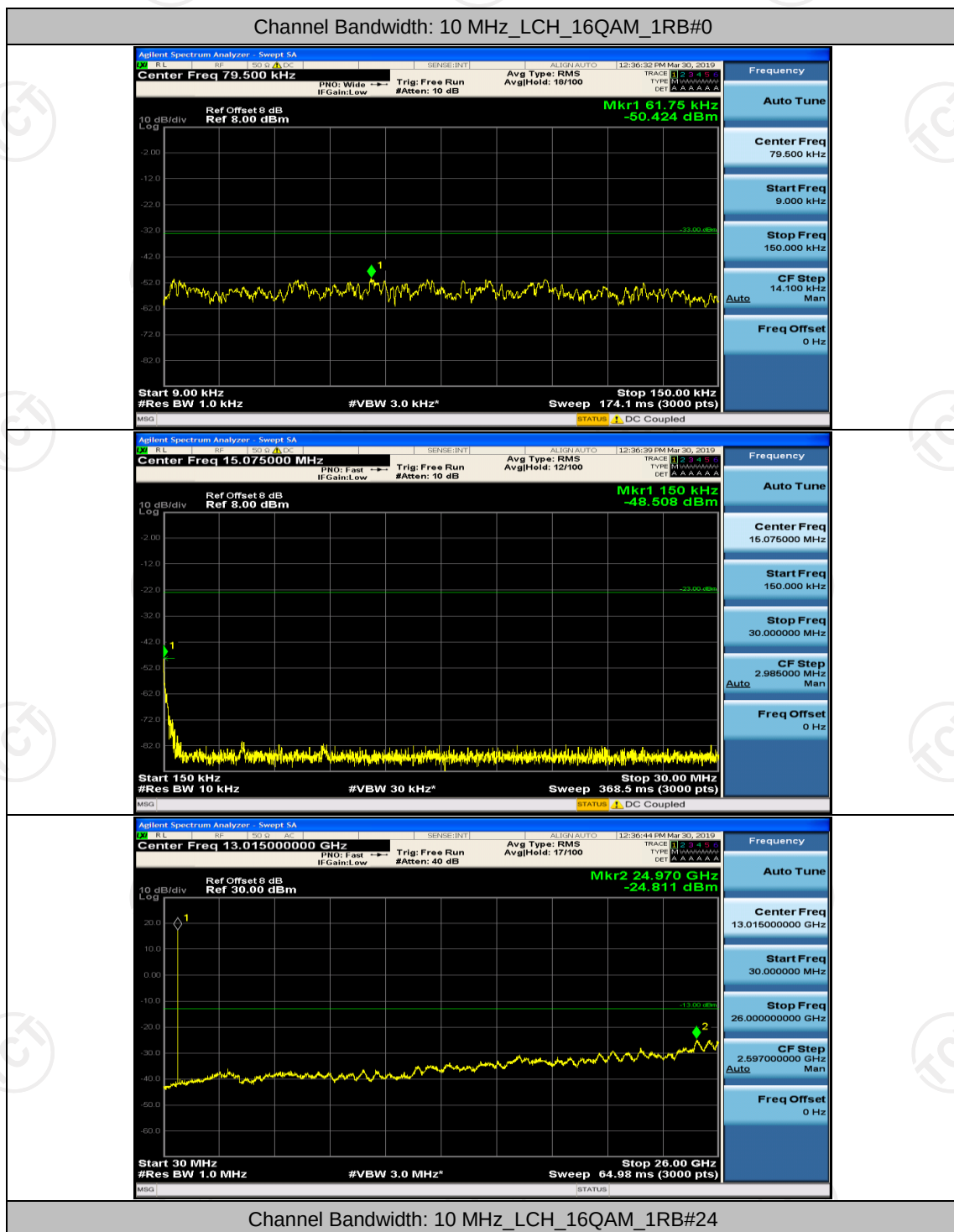


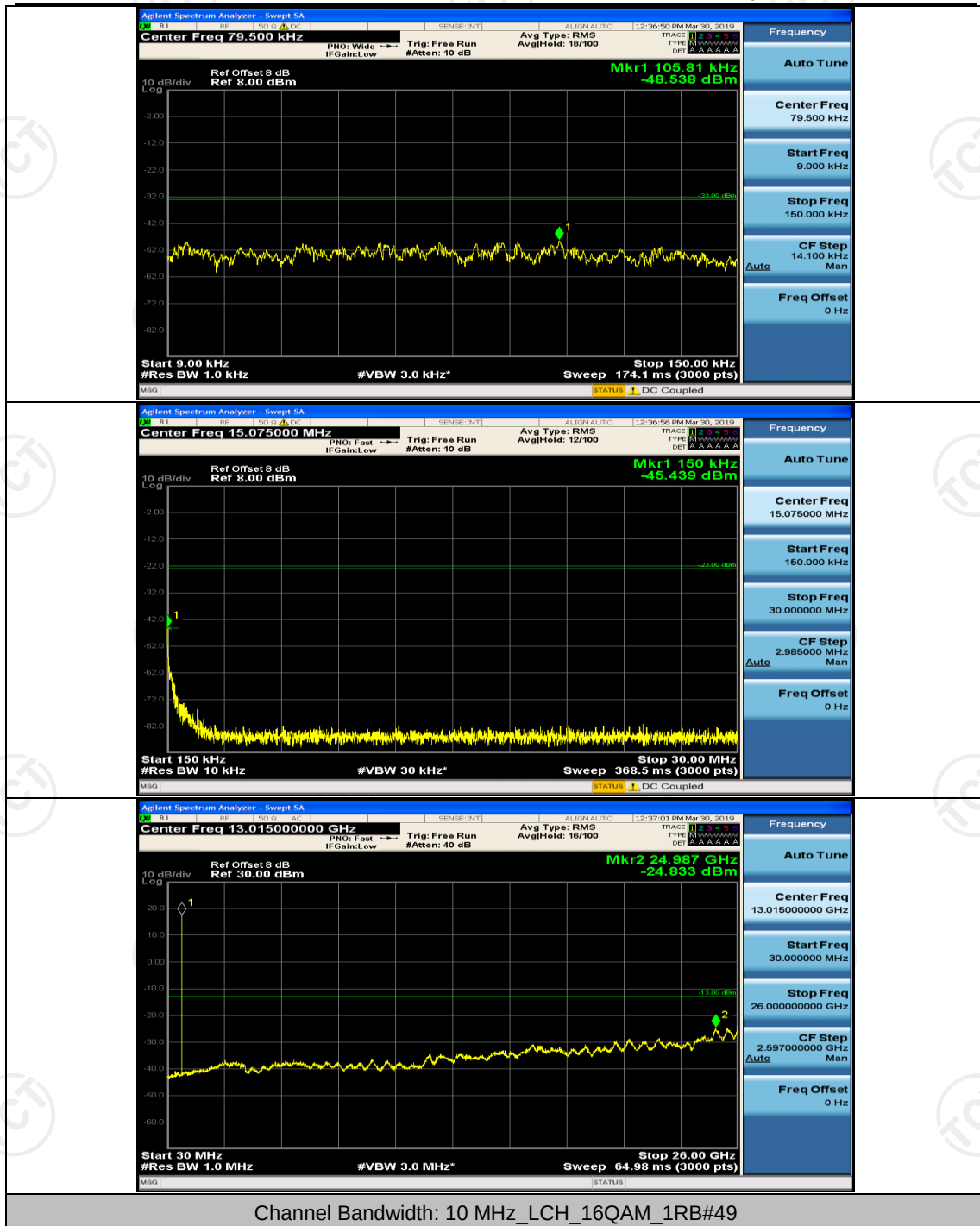


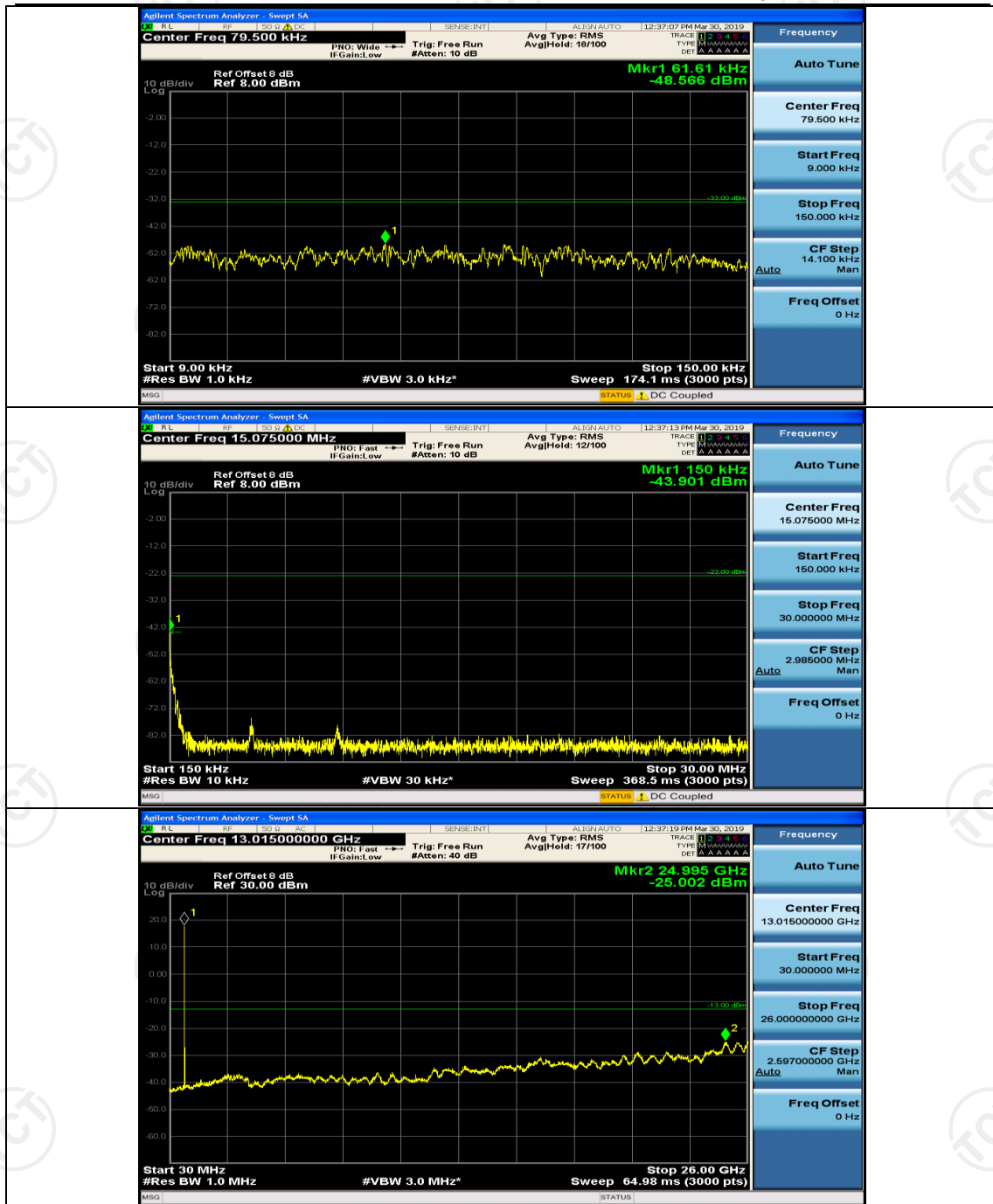


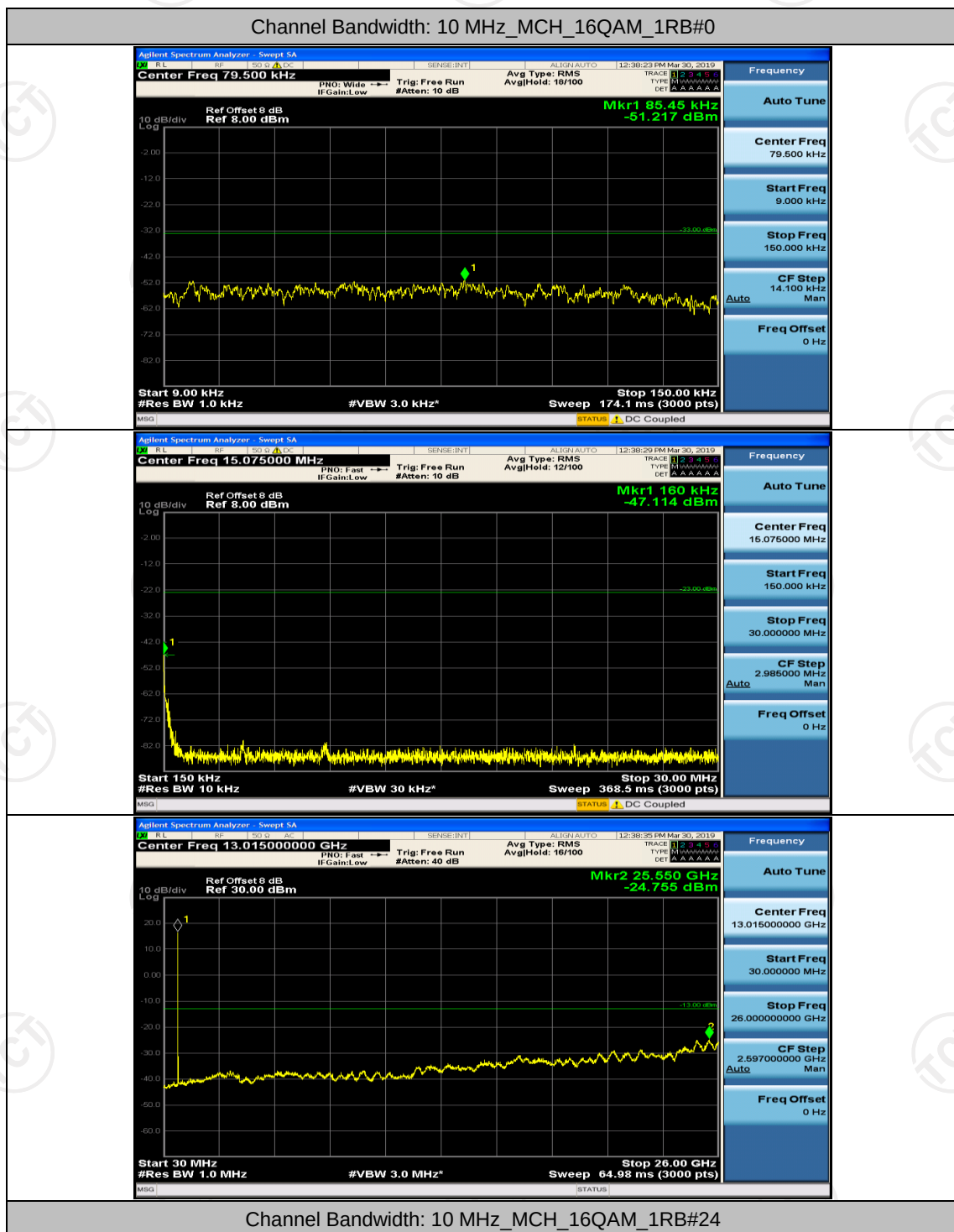


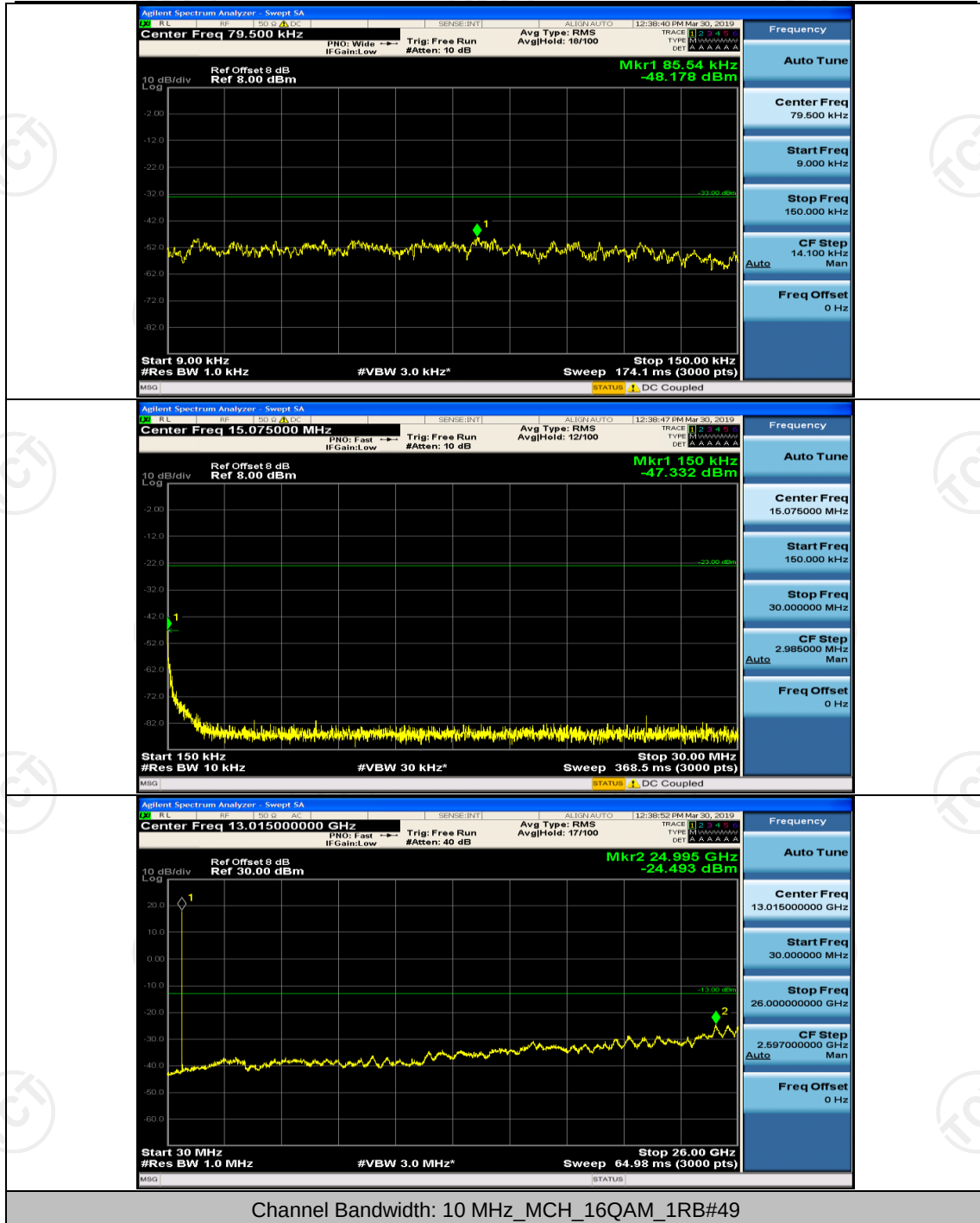


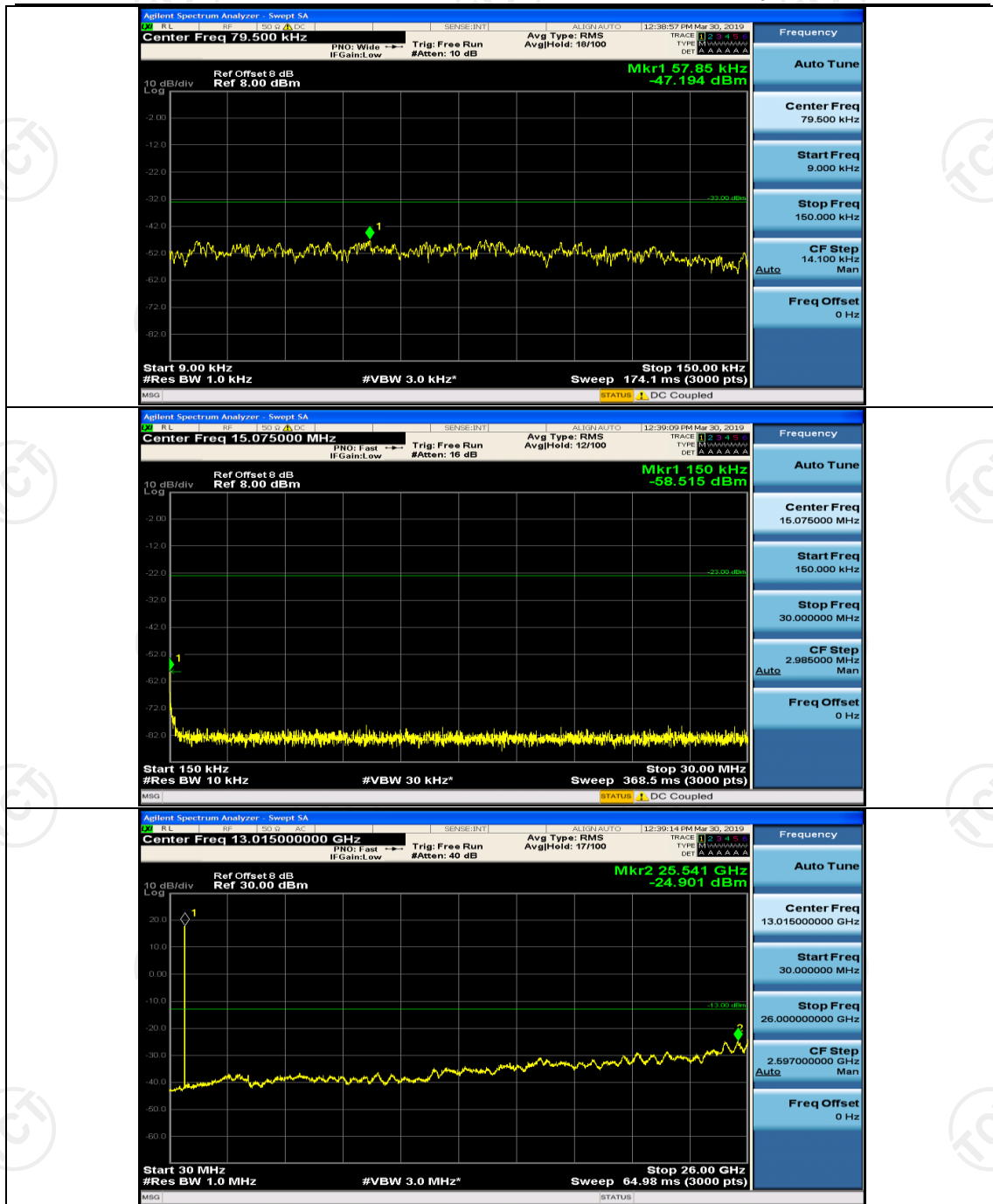


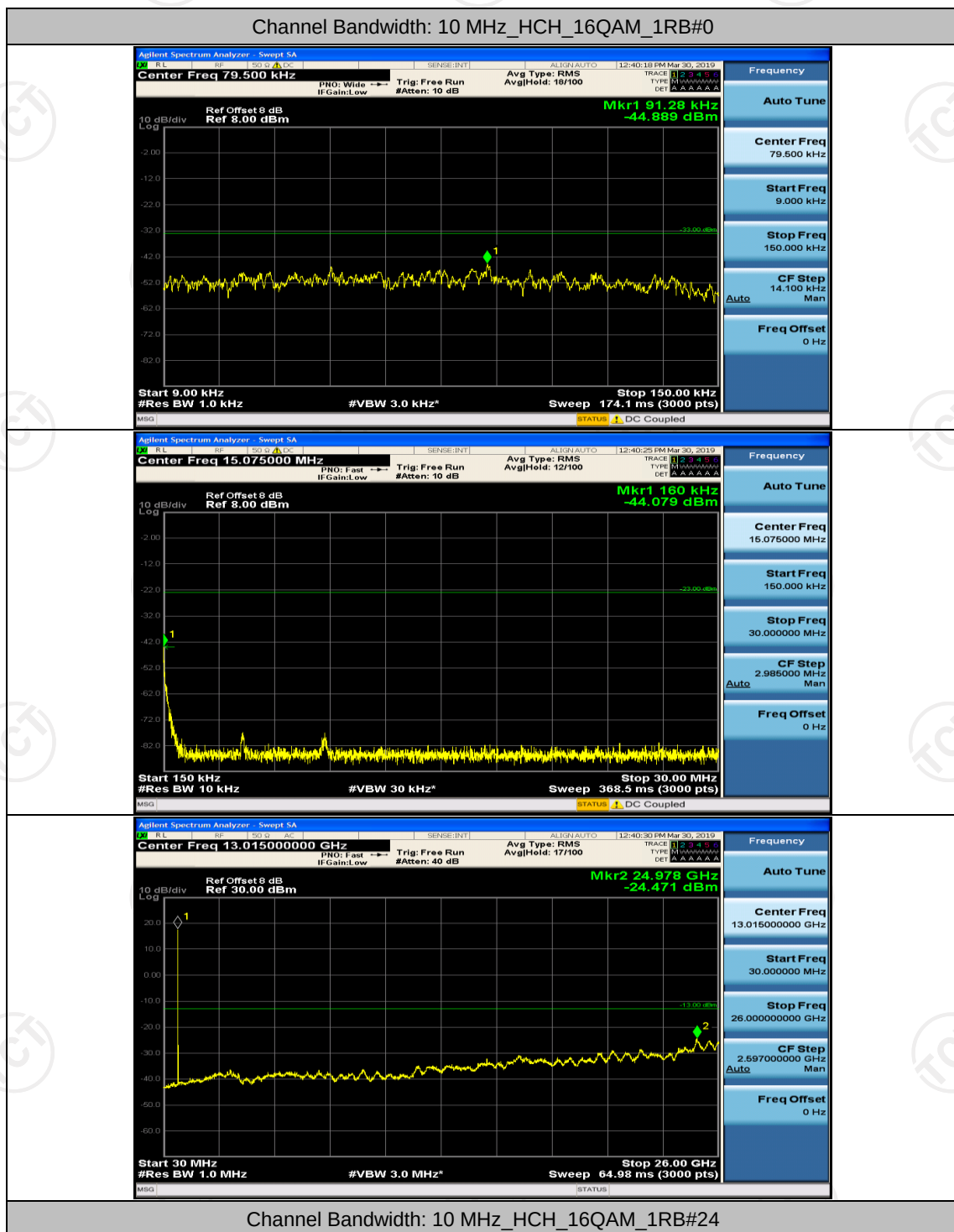


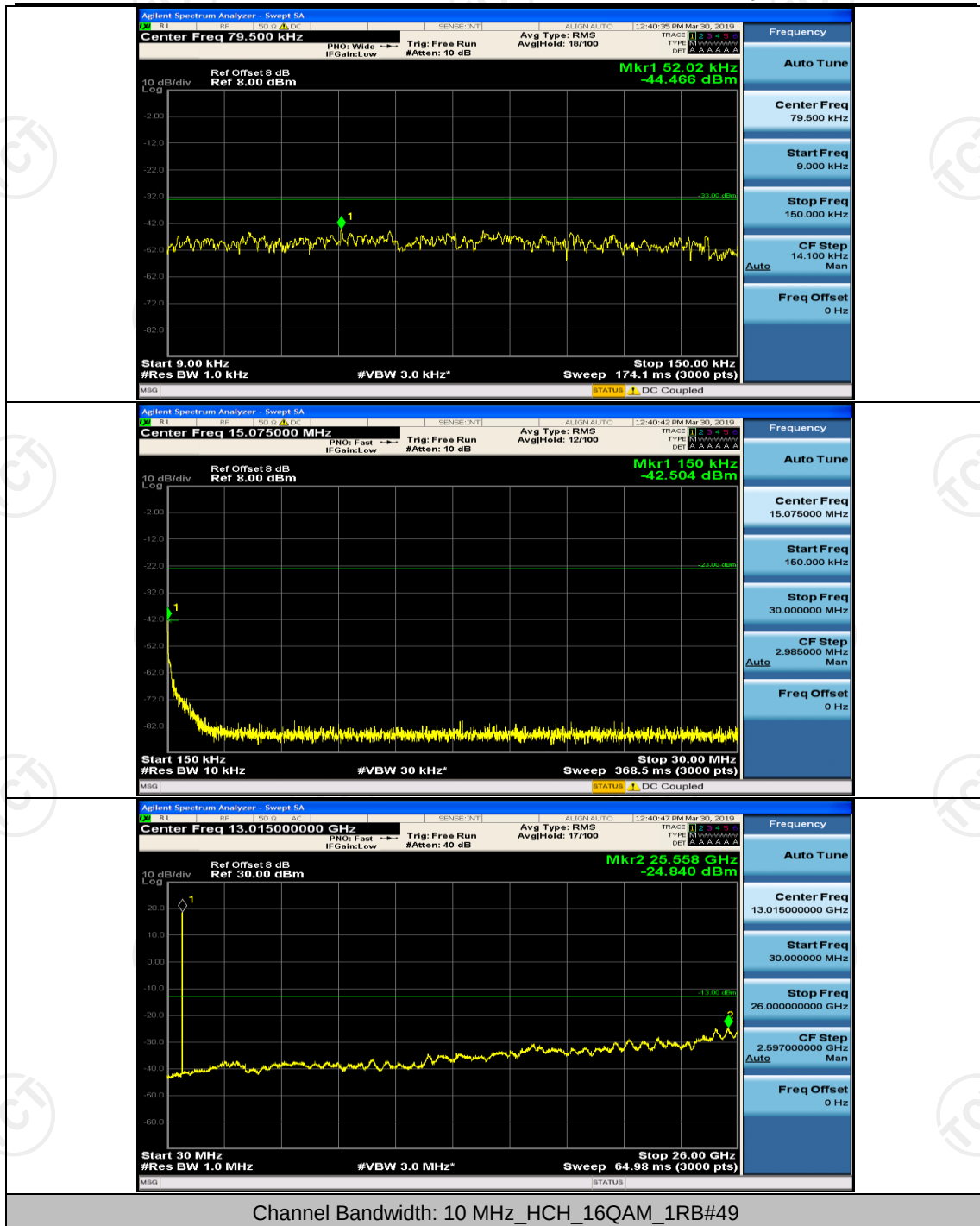


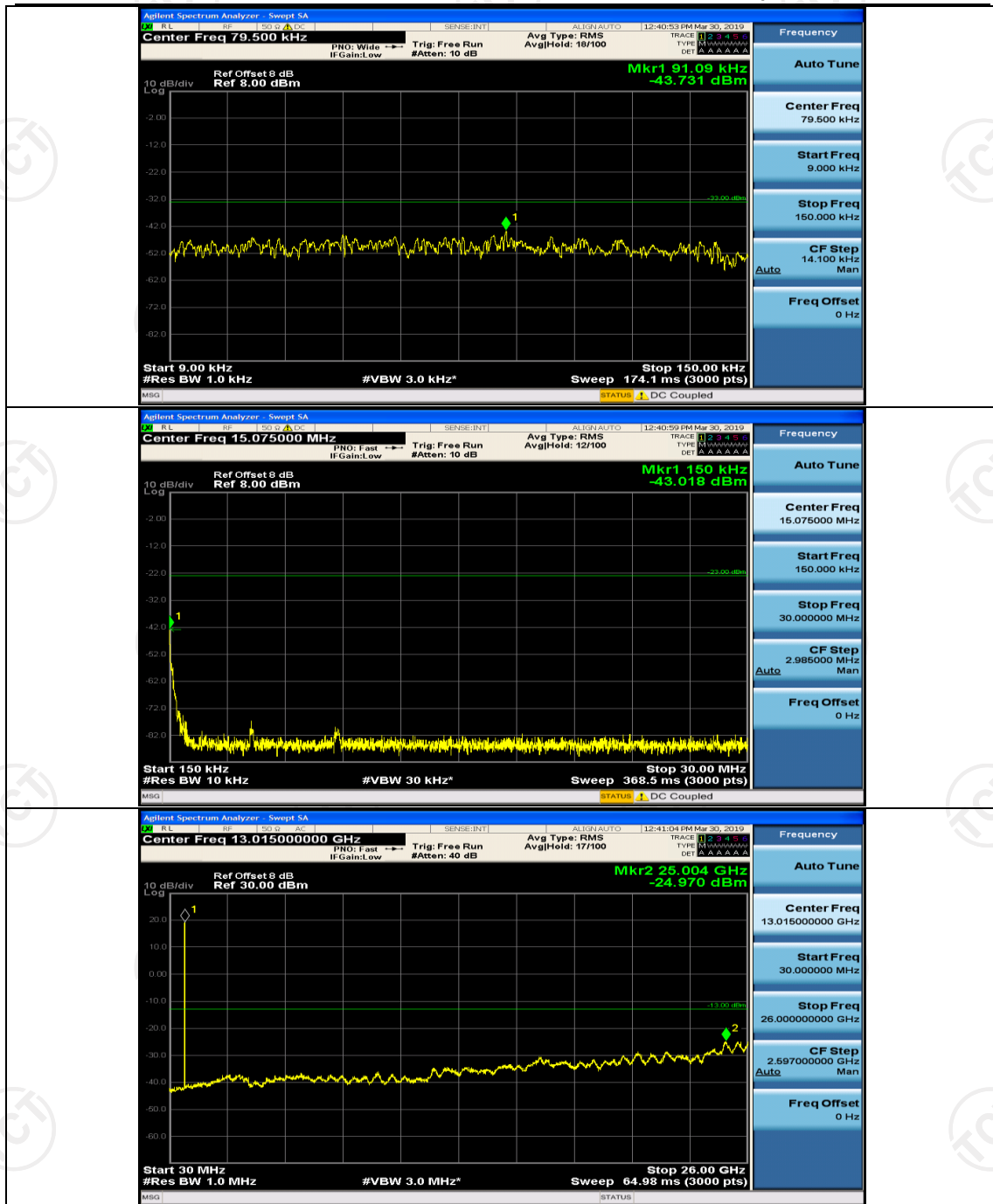












Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Voltage						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.005146	± 2.5	PASS
		VN	TN	0.000286	± 2.5	PASS
		VH	TN	-0.005248	± 2.5	PASS
	MCH	VL	TN	-0.002777	± 2.5	PASS
		VN	TN	-0.001597	± 2.5	PASS
		VH	TN	0.000647	± 2.5	PASS
	HCH	VL	TN	0.000829	± 2.5	PASS
		VN	TN	-0.000404	± 2.5	PASS
		VH	TN	-0.000222	± 2.5	PASS
16QAM	LCH	VL	TN	0.000647	± 2.5	PASS
		VN	TN	-0.000409	± 2.5	PASS
		VH	TN	-0.001221	± 2.5	PASS
	MCH	VL	TN	-0.000080	± 2.5	PASS
		VN	TN	-0.000641	± 2.5	PASS
		VH	TN	-0.000521	± 2.5	PASS
	HCH	VL	TN	-0.000324	± 2.5	PASS
		VN	TN	-0.001300	± 2.5	PASS
		VH	TN	-0.001632	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.001744	± 2.5	PASS
		VN	-20	-0.001243	± 2.5	PASS
		VN	-10	-0.001243	± 2.5	PASS
		VN	0	0.000301	± 2.5	PASS
		VN	10	0.000452	± 2.5	PASS
		VN	20	-0.000061	± 2.5	PASS
		VN	30	-0.000532	± 2.5	PASS
		VN	40	0.000552	± 2.5	PASS
		VN	50	-0.001227	± 2.5	PASS
	MCH	VN	-30	-0.004607	± 2.5	PASS
		VN	-20	-0.003078	± 2.5	PASS
		VN	-10	-0.001831	± 2.5	PASS
		VN	0	-0.002817	± 2.5	PASS
		VN	10	-0.000824	± 2.5	PASS
		VN	20	-0.002083	± 2.5	PASS
		VN	30	-0.001152	± 2.5	PASS
VN	40	-0.001011	± 2.5	PASS		

	HCH	VN	50	-0.000344	± 2.5	PASS
		VN	-30	0.001124	± 2.5	PASS
		VN	-20	0.002304	± 2.5	PASS
		VN	-10	0.000936	± 2.5	PASS
		VN	0	-0.001435	± 2.5	PASS
		VN	10	-0.004607	± 2.5	PASS
		VN	20	0.001020	± 2.5	PASS
		VN	30	-0.002420	± 2.5	PASS
		VN	40	-0.001720	± 2.5	PASS
		VN	50	-0.002140	± 2.5	PASS
16QAM	LCH	VN	-30	-0.002313	± 2.5	PASS
		VN	-20	-0.001286	± 2.5	PASS
		VN	-10	-0.000836	± 2.5	PASS
		VN	0	-0.000536	± 2.5	PASS
		VN	10	-0.001245	± 2.5	PASS
		VN	20	-0.001697	± 2.5	PASS
		VN	30	0.000245	± 2.5	PASS
		VN	40	-0.000961	± 2.5	PASS
		VN	50	-0.000859	± 2.5	PASS
	MCH	VN	-30	-0.003624	± 2.5	PASS
		VN	-20	-0.002534	± 2.5	PASS
		VN	-10	-0.001682	± 2.5	PASS
		VN	0	-0.001235	± 2.5	PASS
		VN	10	-0.000682	± 2.5	PASS
		VN	20	-0.000283	± 2.5	PASS
		VN	30	-0.001719	± 2.5	PASS
		VN	40	-0.001880	± 2.5	PASS
		VN	50	-0.000061	± 2.5	PASS
	HCH	VN	-30	-0.003620	± 2.5	PASS
		VN	-20	-0.003215	± 2.5	PASS
		VN	-10	-0.001836	± 2.5	PASS
		VN	0	-0.000123	± 2.5	PASS
		VN	10	-0.001253	± 2.5	PASS
		VN	20	0.000320	± 2.5	PASS
		VN	30	-0.001420	± 2.5	PASS
		VN	40	0.000120	± 2.5	PASS
		VN	50	-0.001220	± 2.5	PASS

Appendix G :Field Strength of Spurious Radiation Measurement Test Result

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1RB #0		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1399.4	Vertical	-33.96	-13.00	PASS
2099.1	V	-42.94		
-	V	-		
1399.4	Horizontal	-32.68		
2099.1	H	-45.23		
-	H	-		
Bandwidth:	1.4M		Test channel:	Middle
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1RB #0		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1415	Vertical	-34.01	-13.00	PASS
2122.5	V	-43.37		
-	V	-		
1415	Horizontal	-33.22		
2122.5	H	-45.18		
-	H	-		
Bandwidth:	1.4M		Test channel:	Highest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1RB #0		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1430.6	Vertical	-34.18	-13.00	PASS
2145.9	V	-43.26		
-	V	-		
1430.6	Horizontal	-32.98		
2145.9	H	-45.66		
-	H	-		

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1RB #0		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1399.4	Vertical	-33.15	-13.00	PASS
2099.1	V	-42.91		
-	V	-		
1399.4	Horizontal	-33.75		
2099.1	H	-46.77		
-	H	-		
Bandwidth:	1.4M		Test channel:	Middle
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1RB #0		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1415	Vertical	-33.01	-13.00	PASS
2122.5	V	-43.50		
-	V	-		
1415	Horizontal	-33.60		
2122.5	H	-47.17		
-	H	-		
Bandwidth:	1.4M		Test channel:	Highest
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1RB #0		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1430.6	Vertical	-32.98	-13.00	PASS
2145.9	V	-43.34		
-	V	-		
1430.6	Horizontal	-34.05		
2145.9	H	-46.83		
-	H	-		

Note: All bandwidth and modulation are tested, only the worst result is reported.