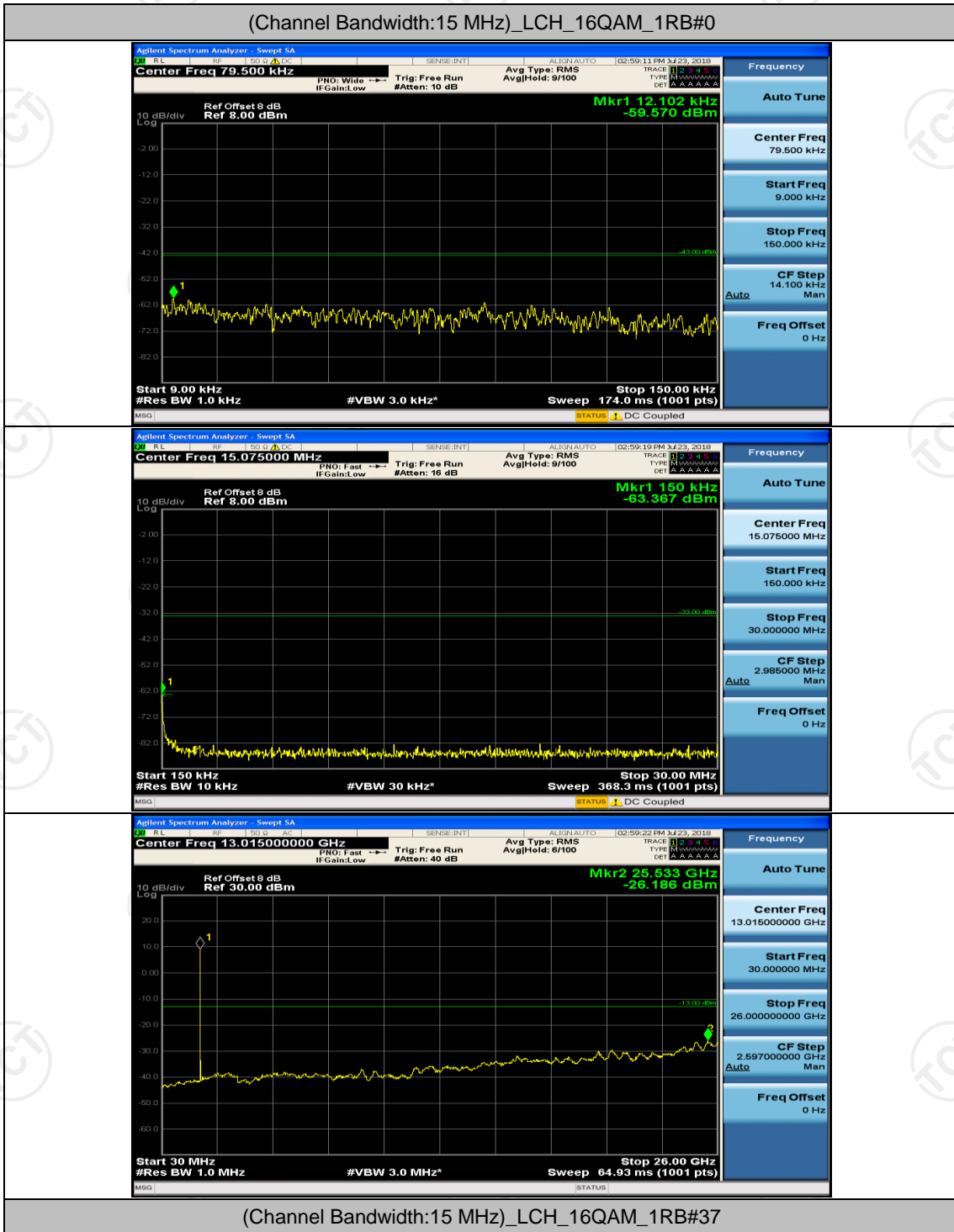
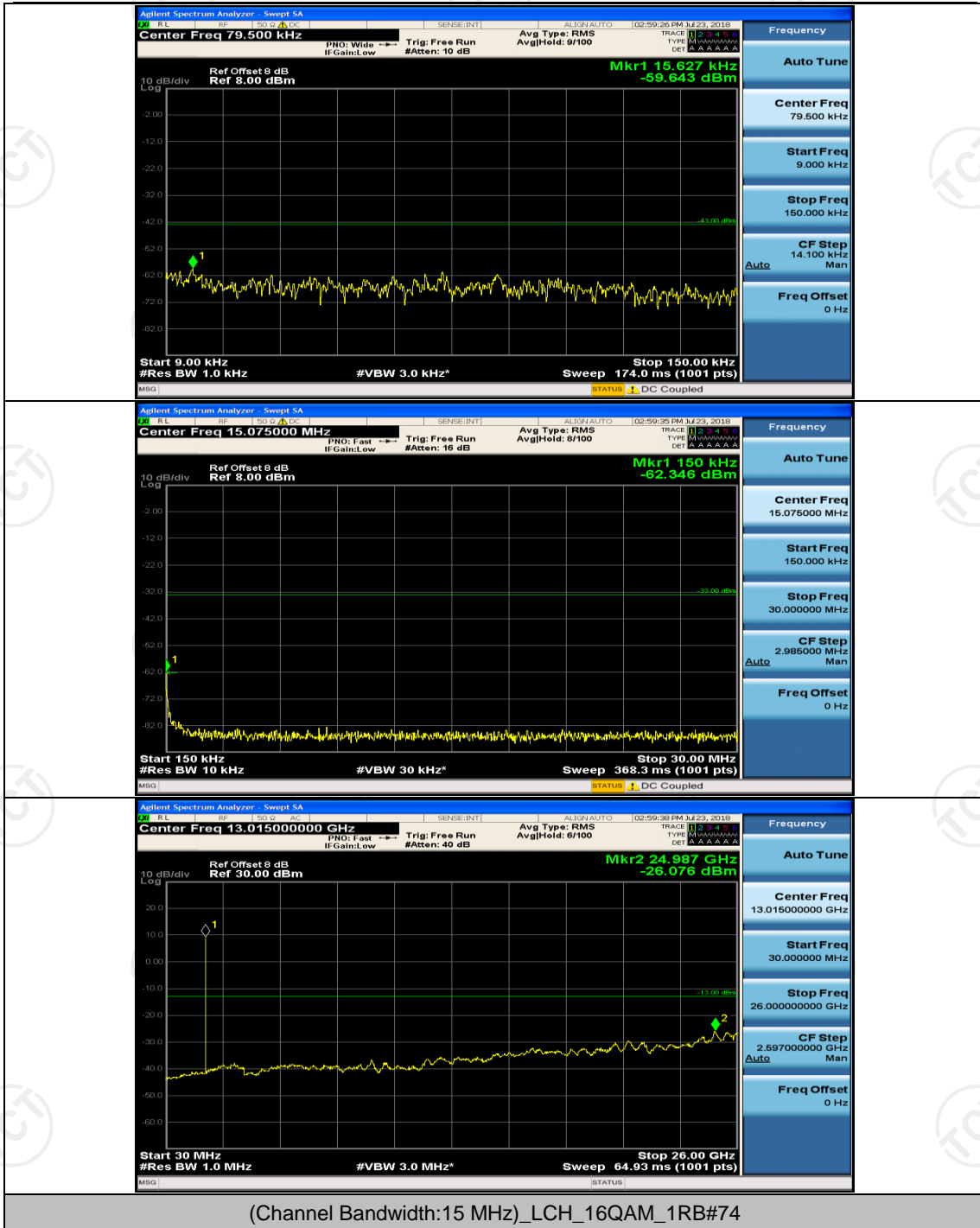
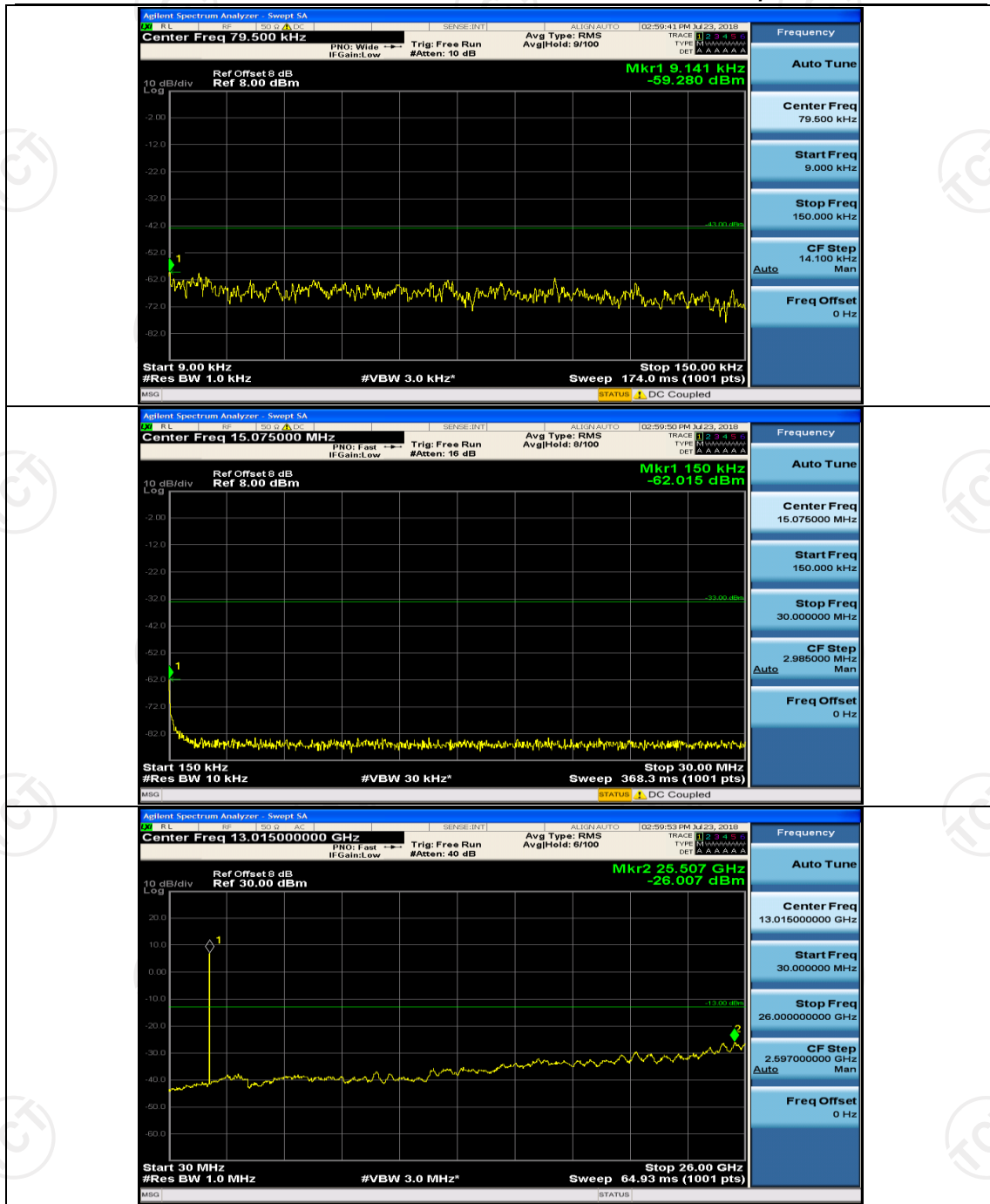


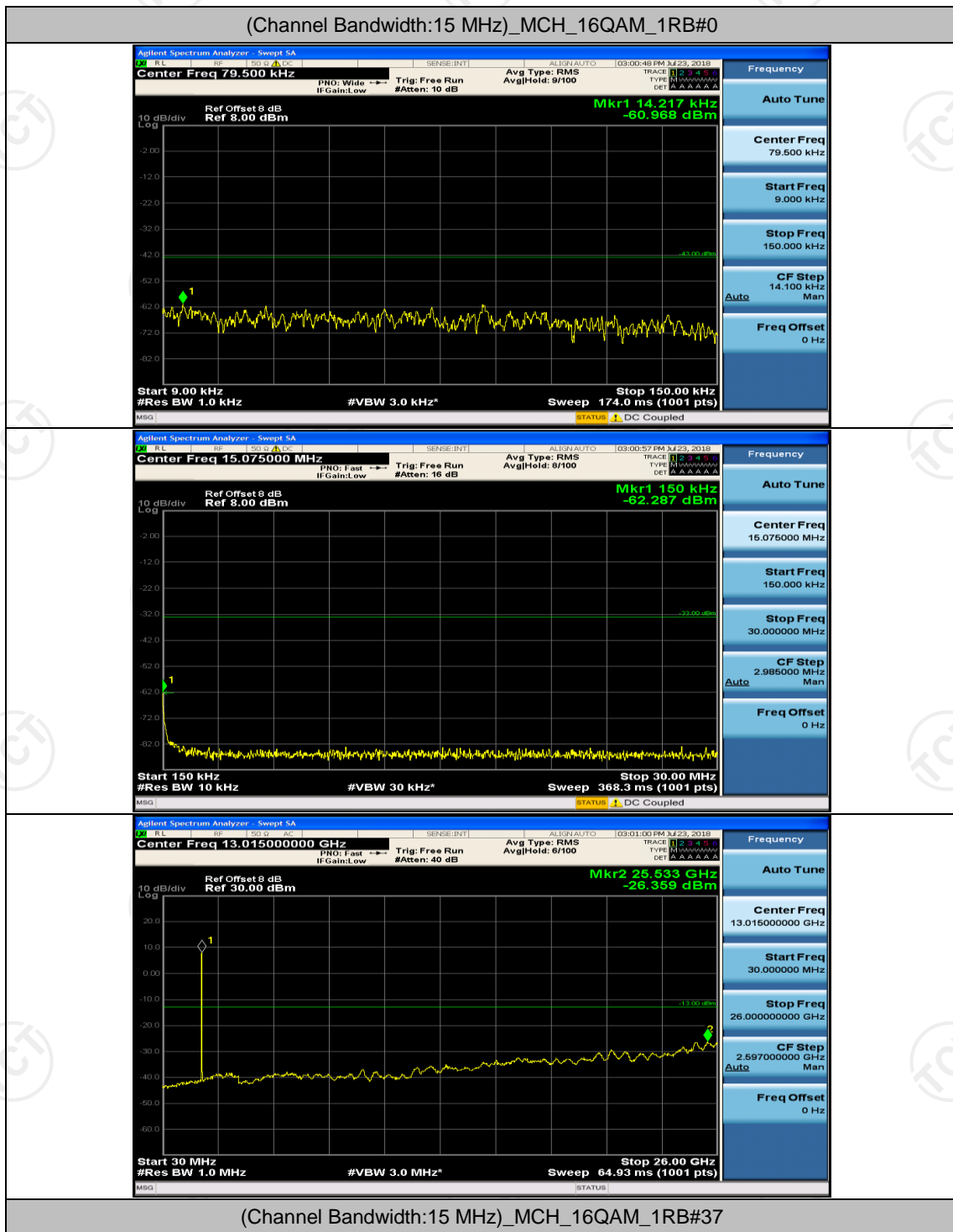
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#0

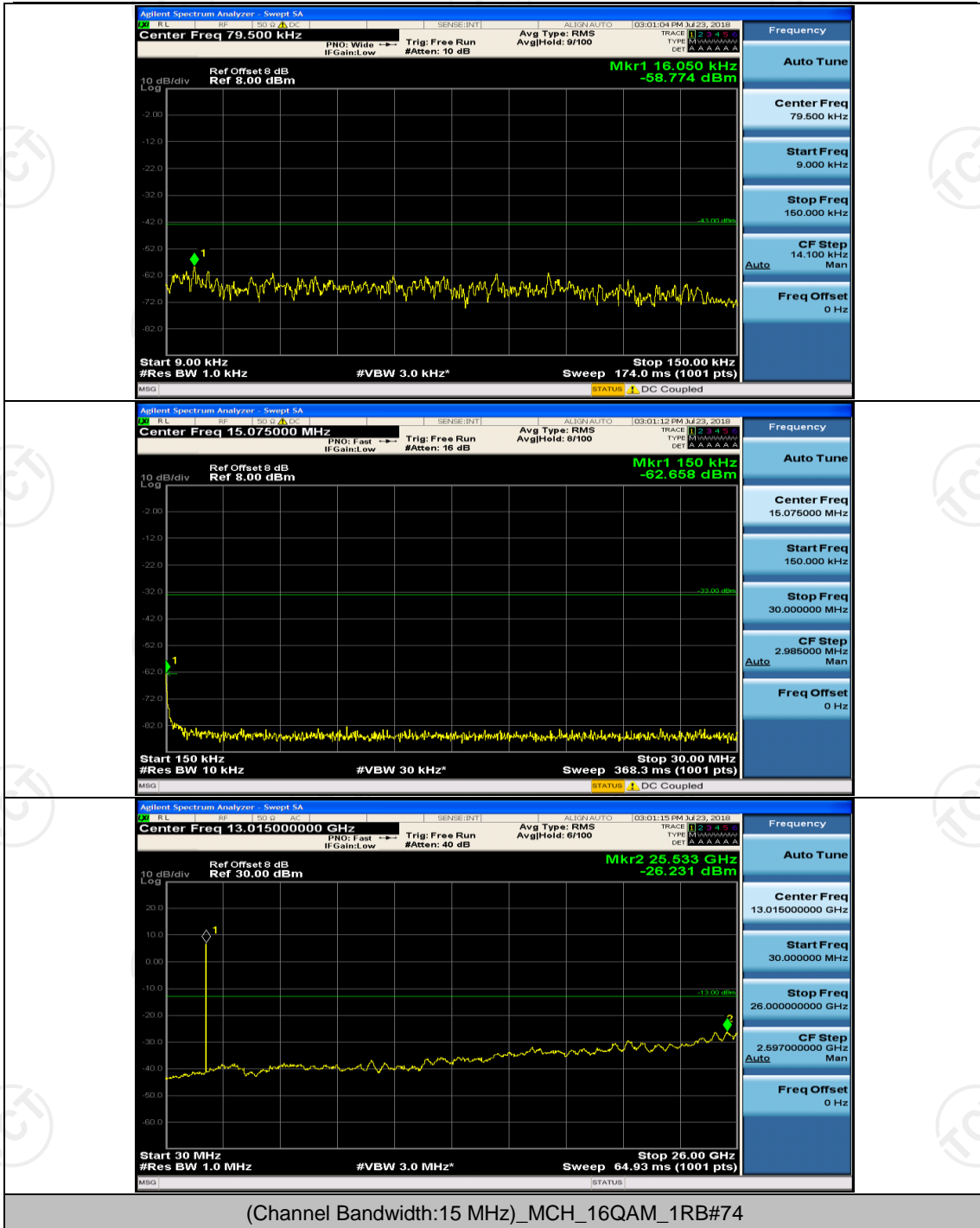


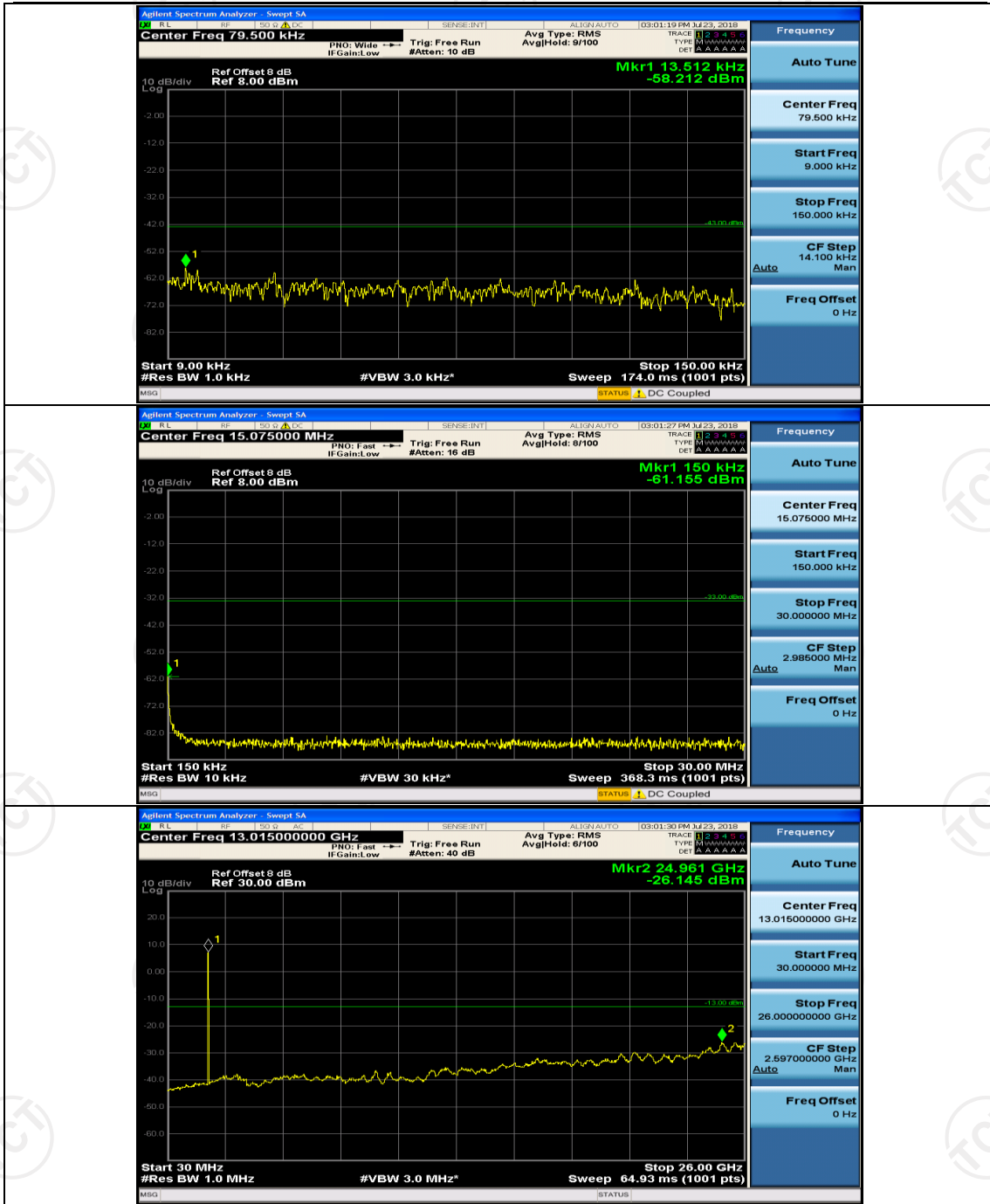
(Channel Bandwidth:15 MHz)\_LCH\_16QAM\_1RB#37



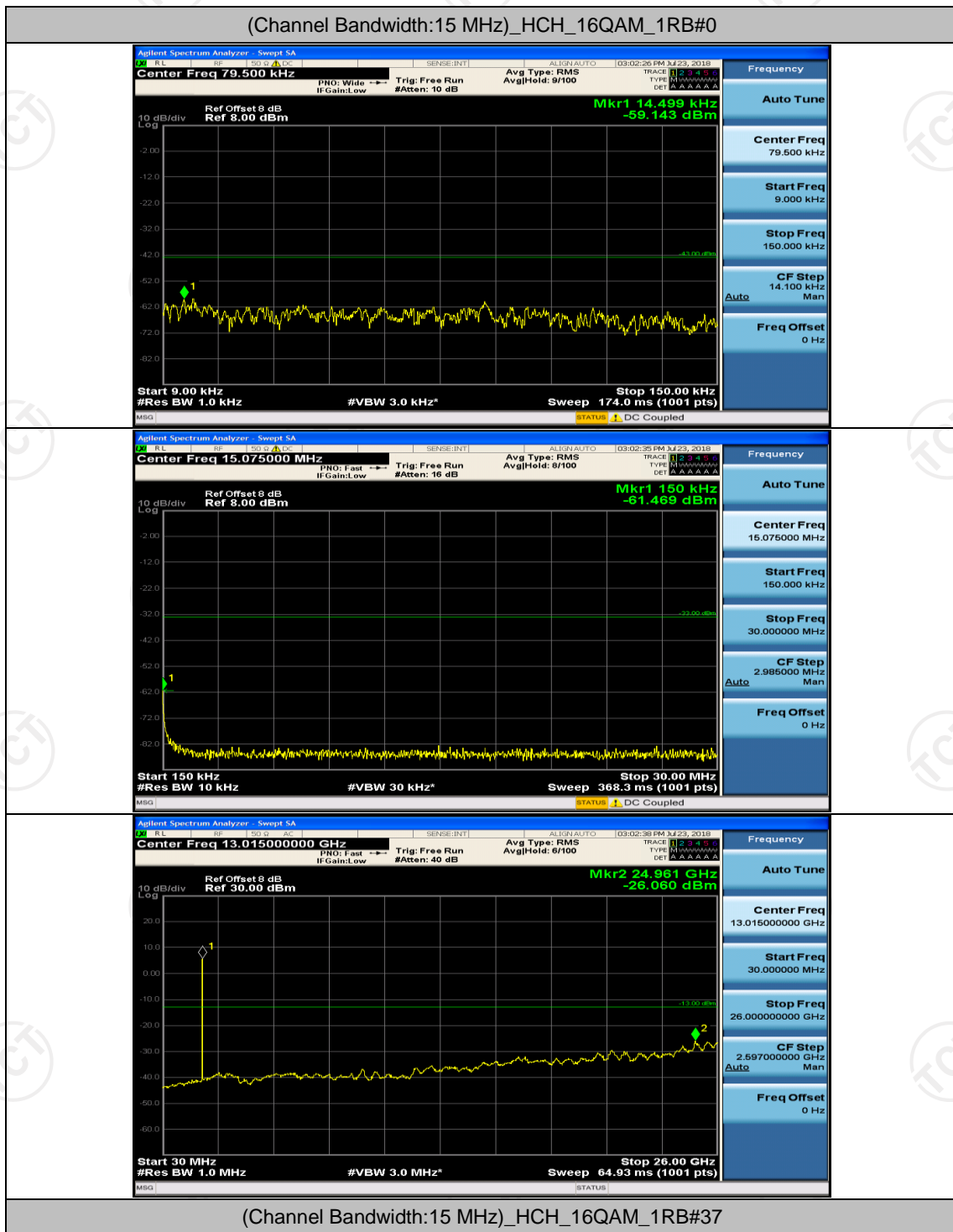


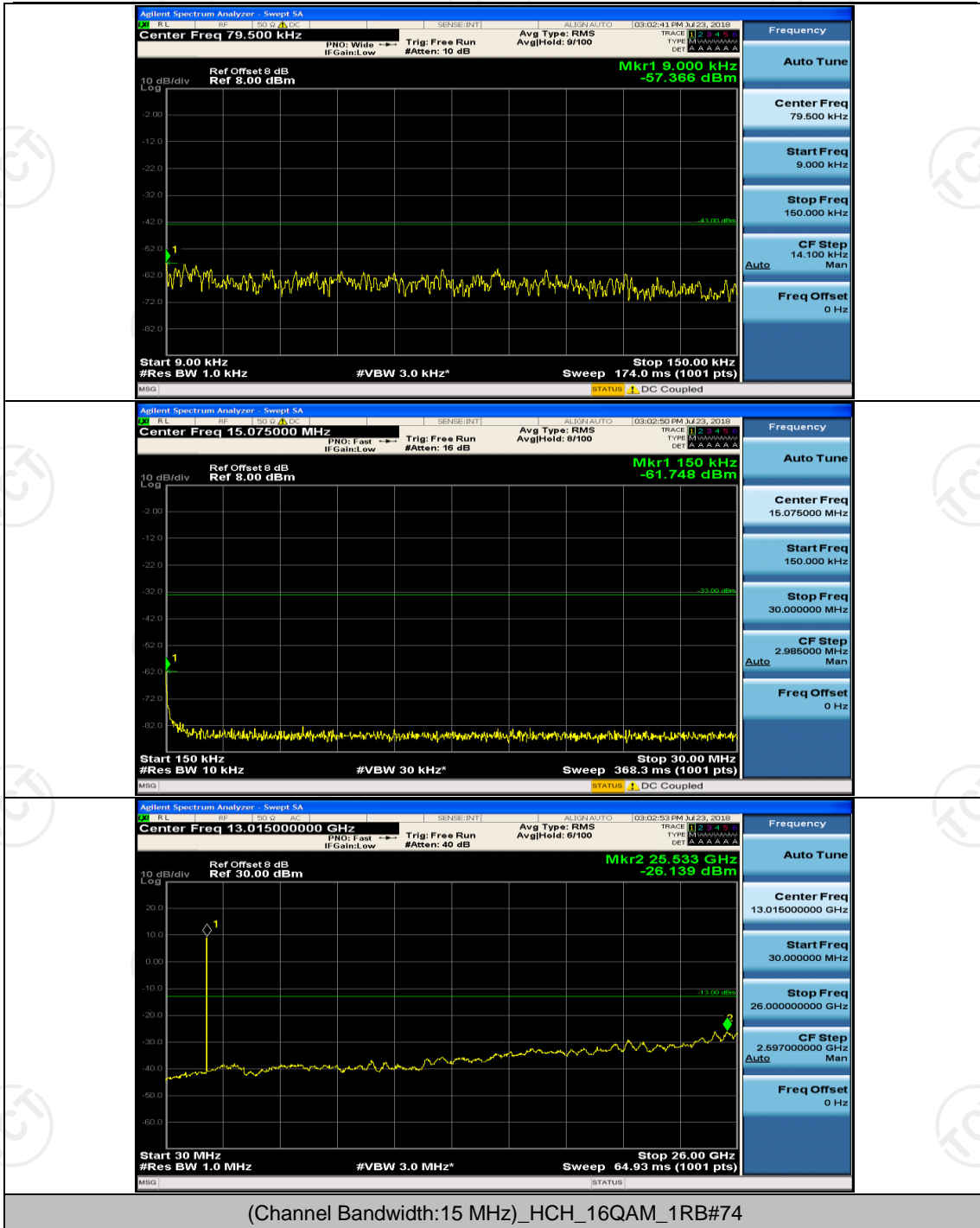


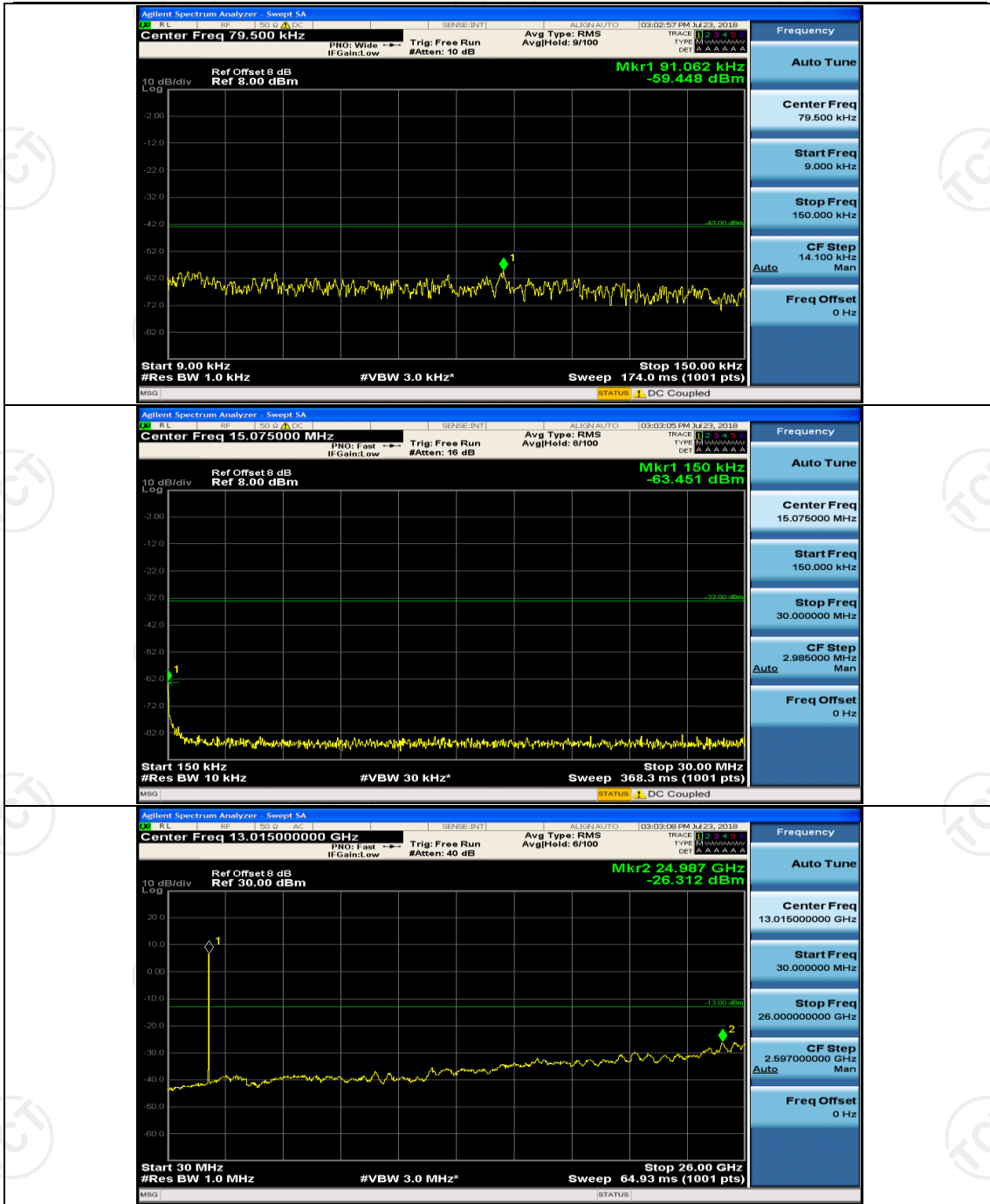




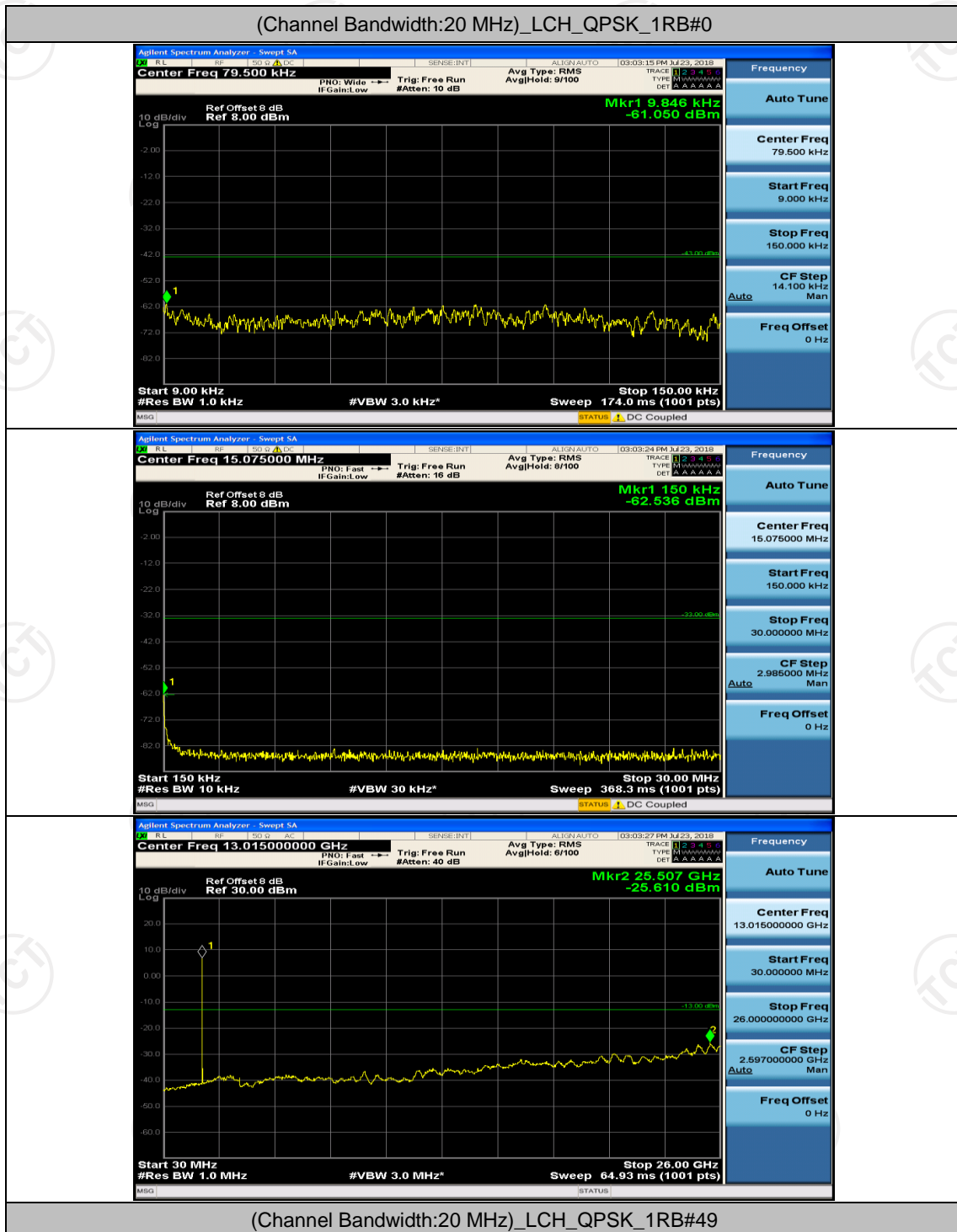


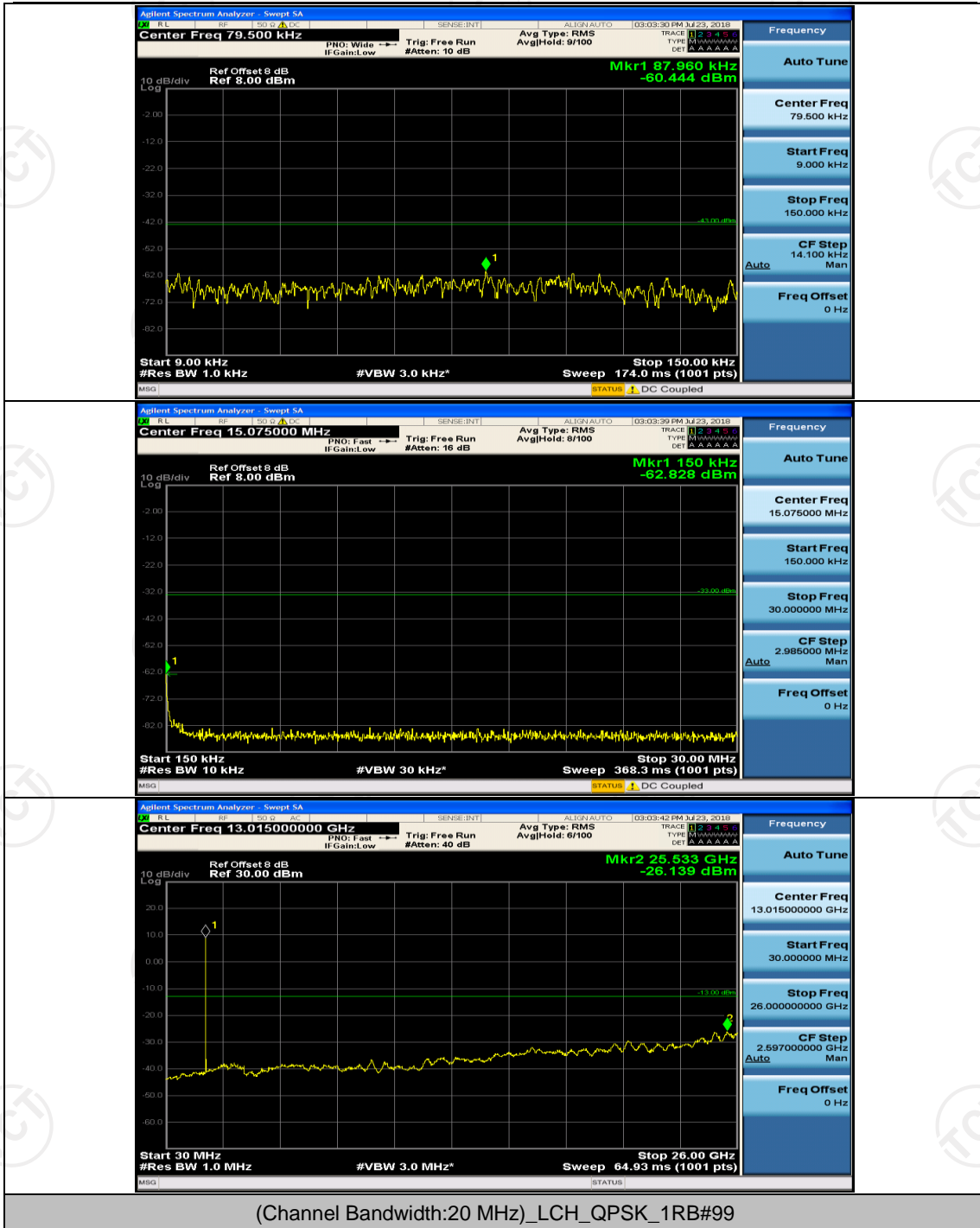


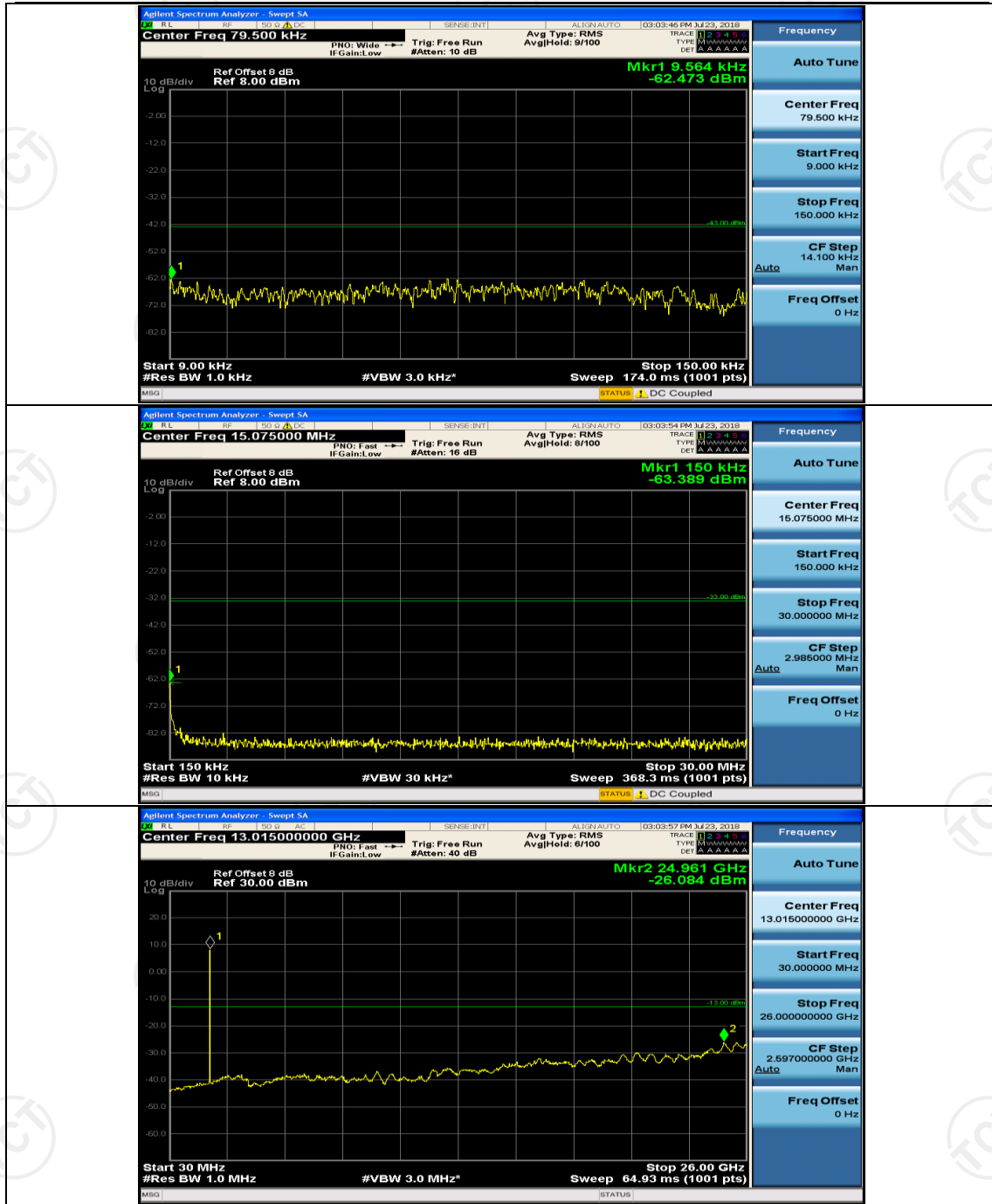


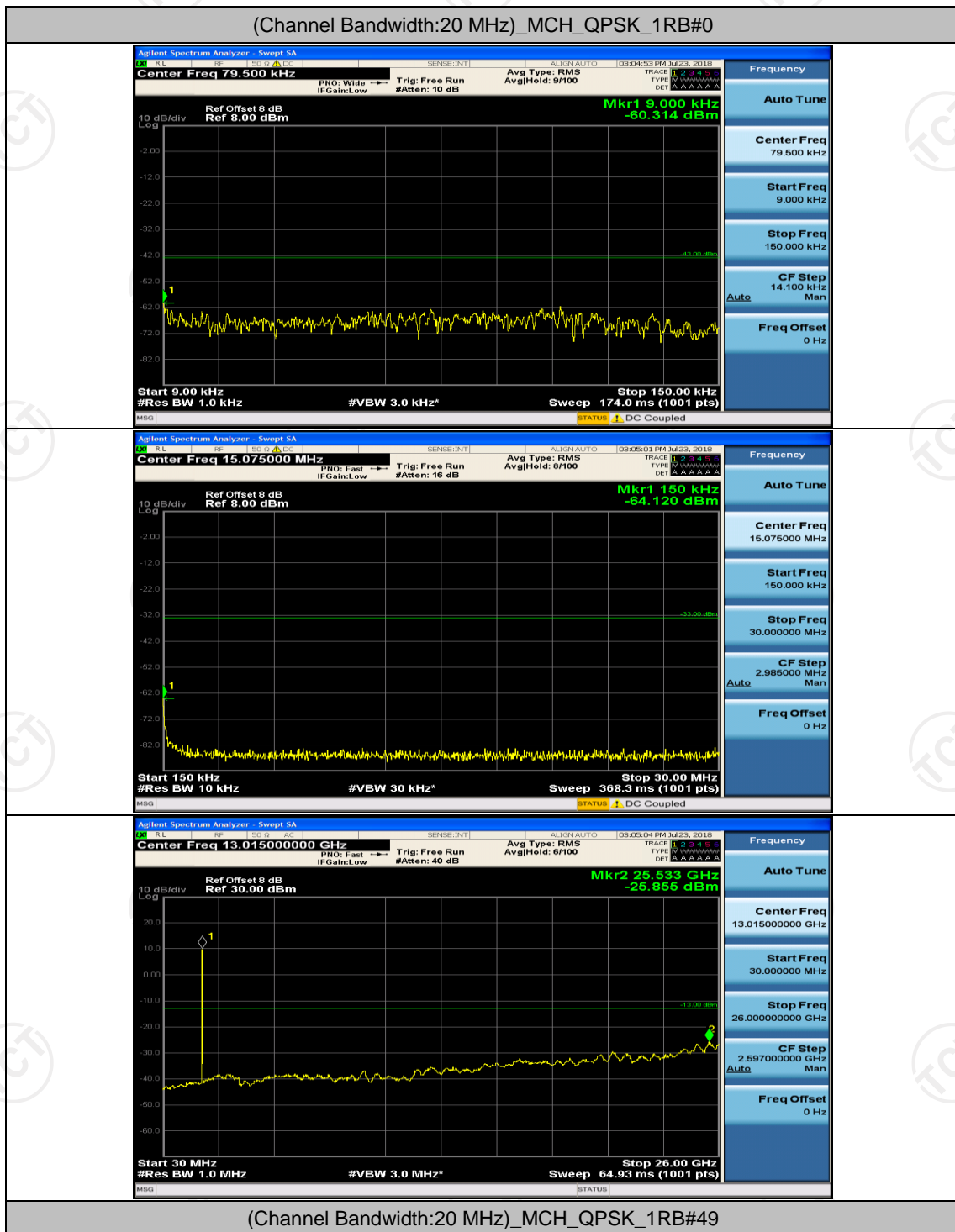


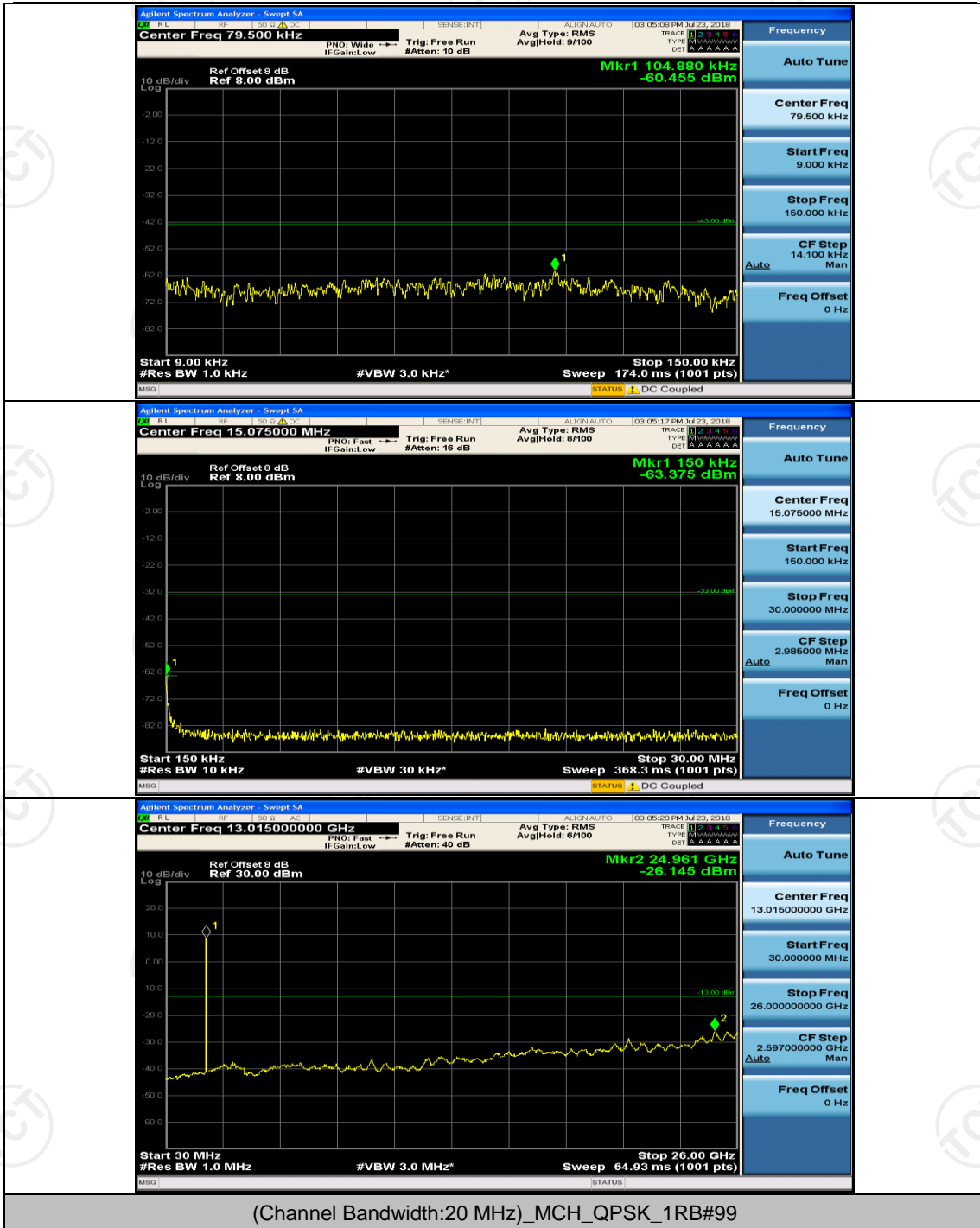
## Channel Bandwidth: 20 MHz



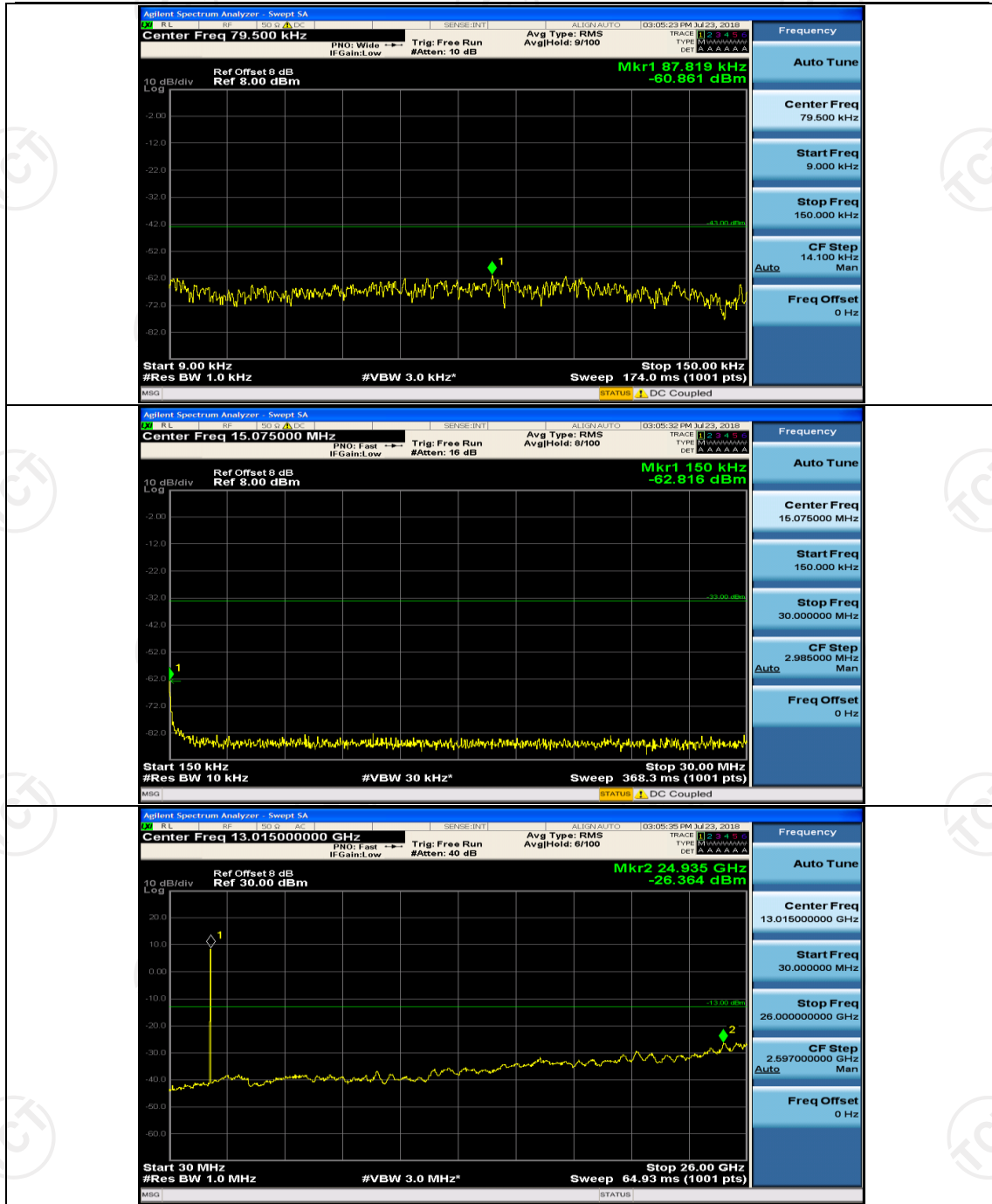


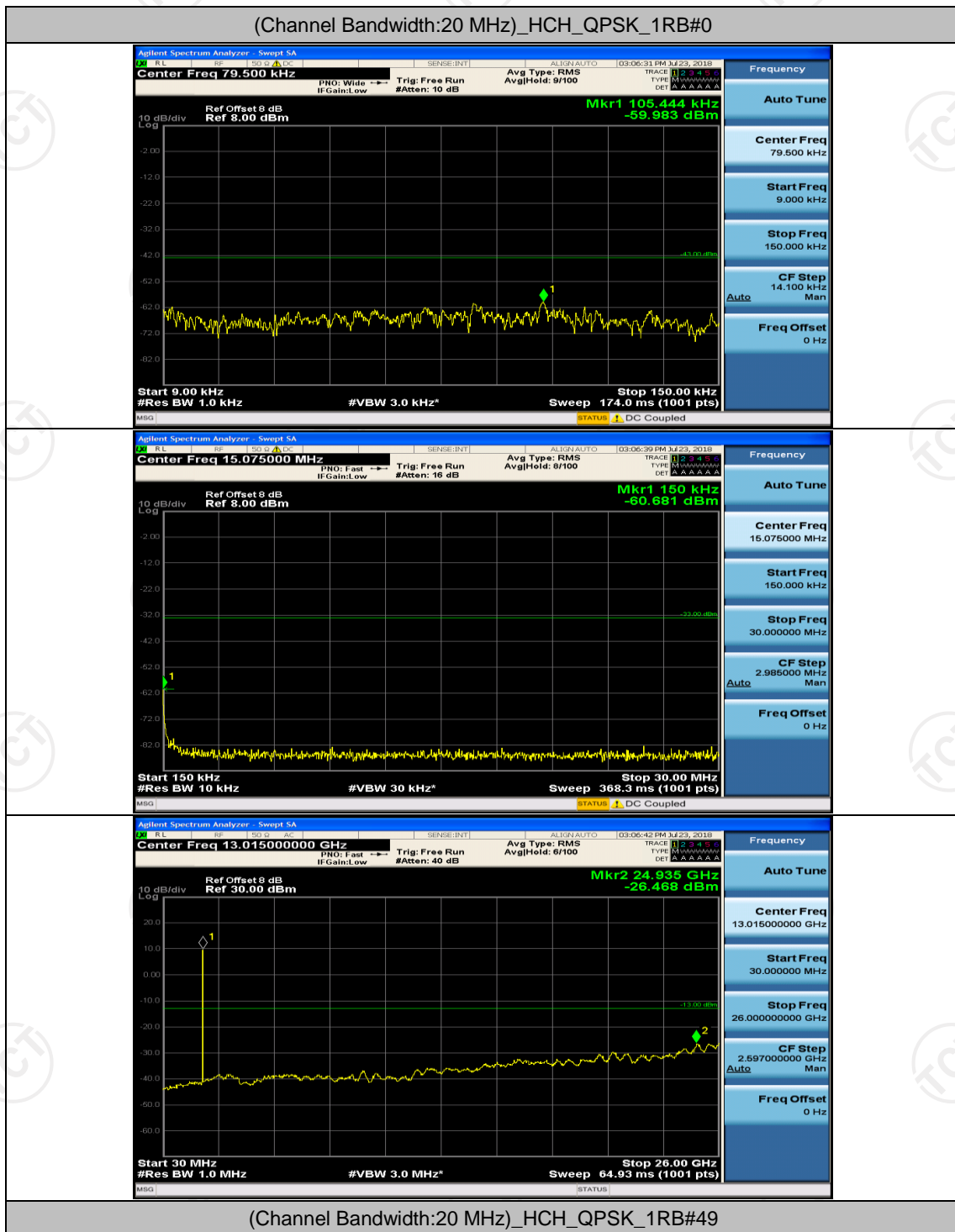


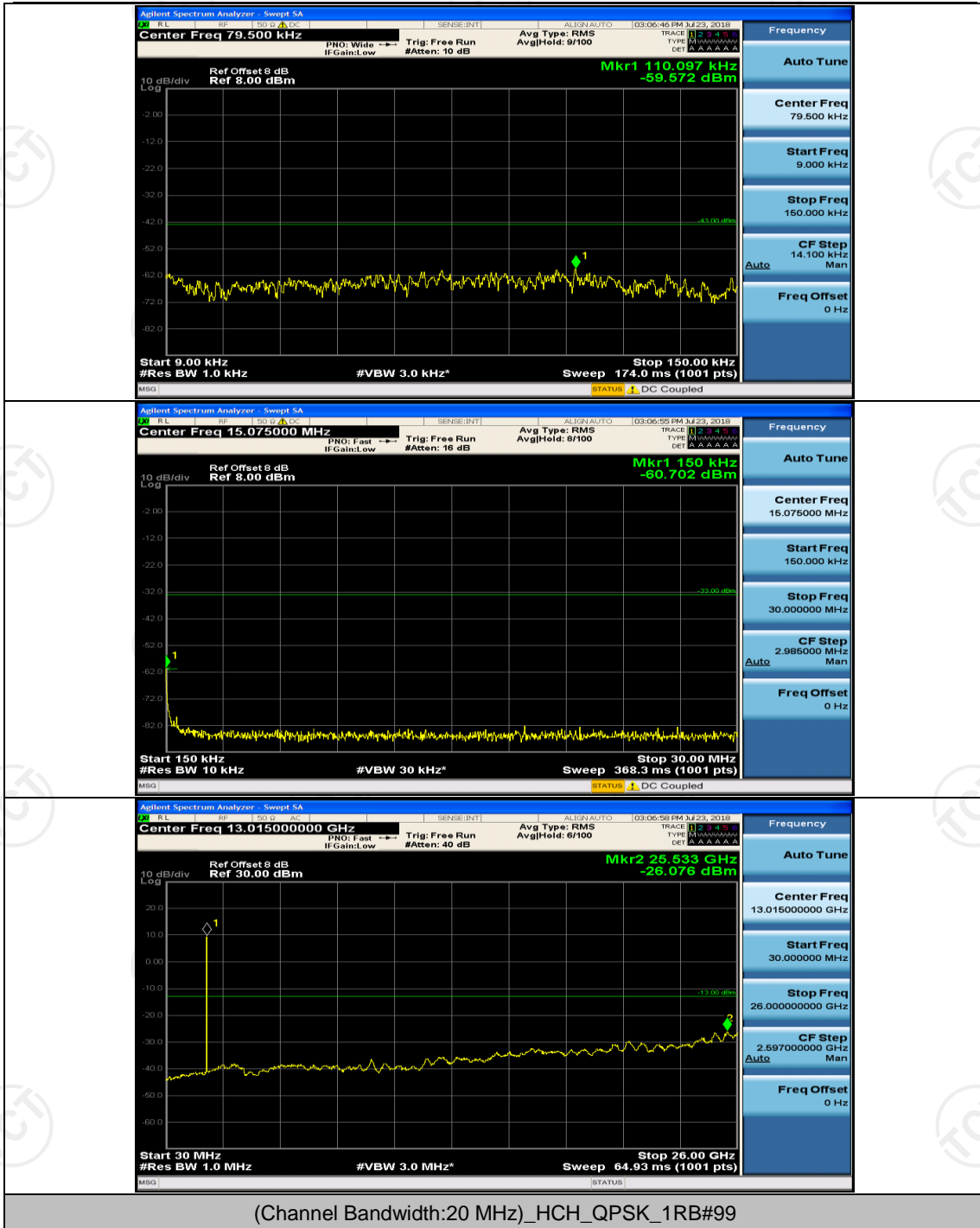


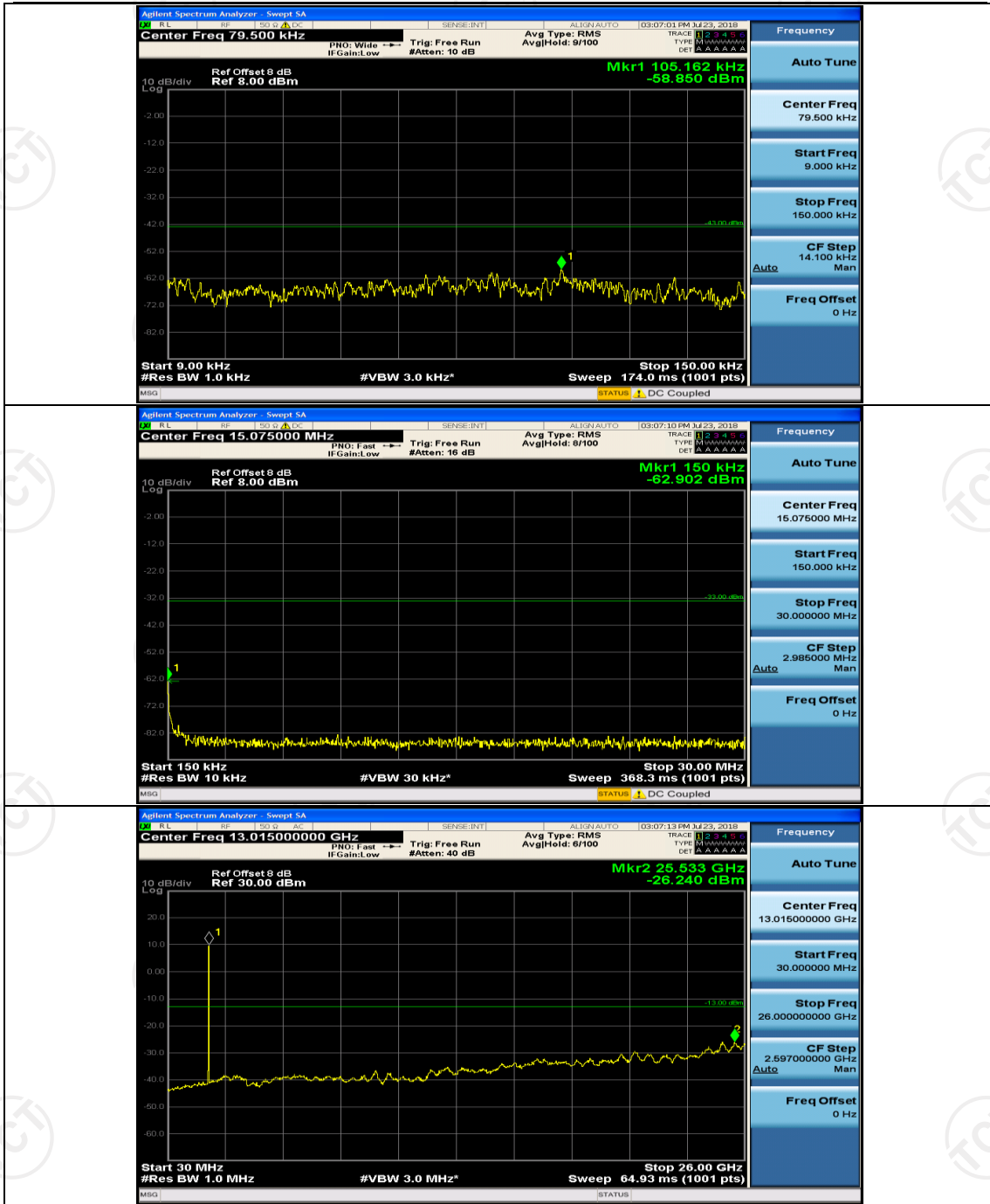




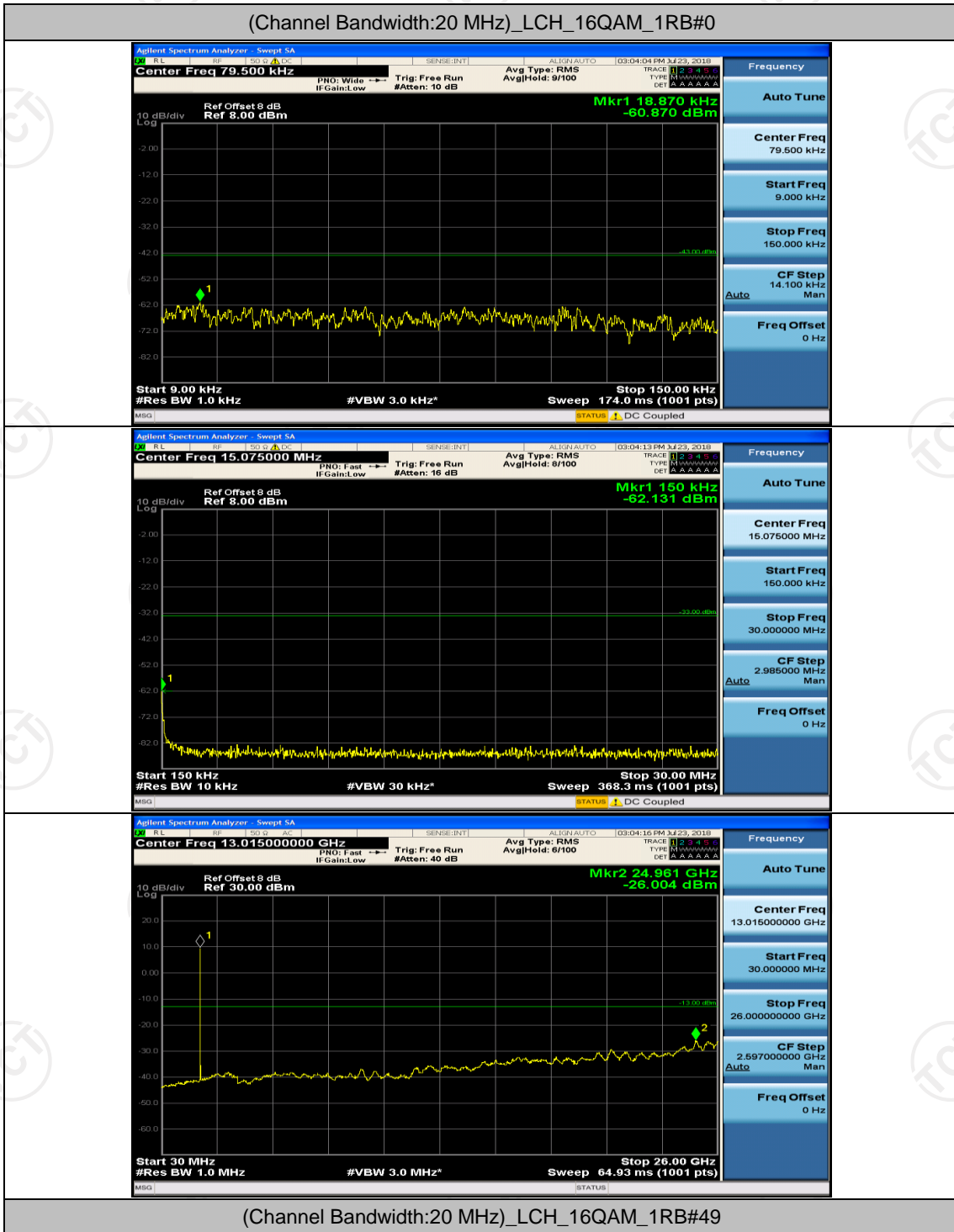




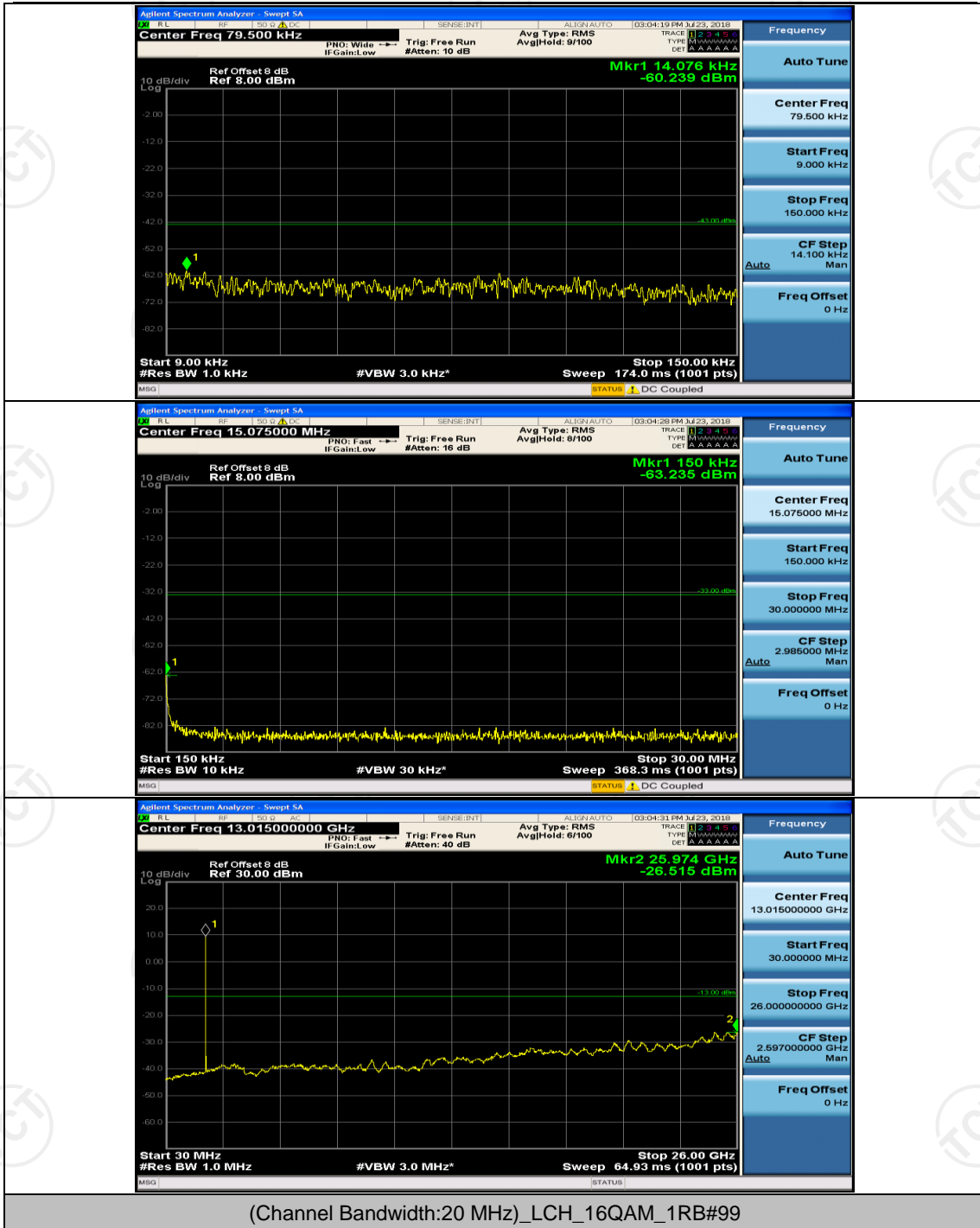


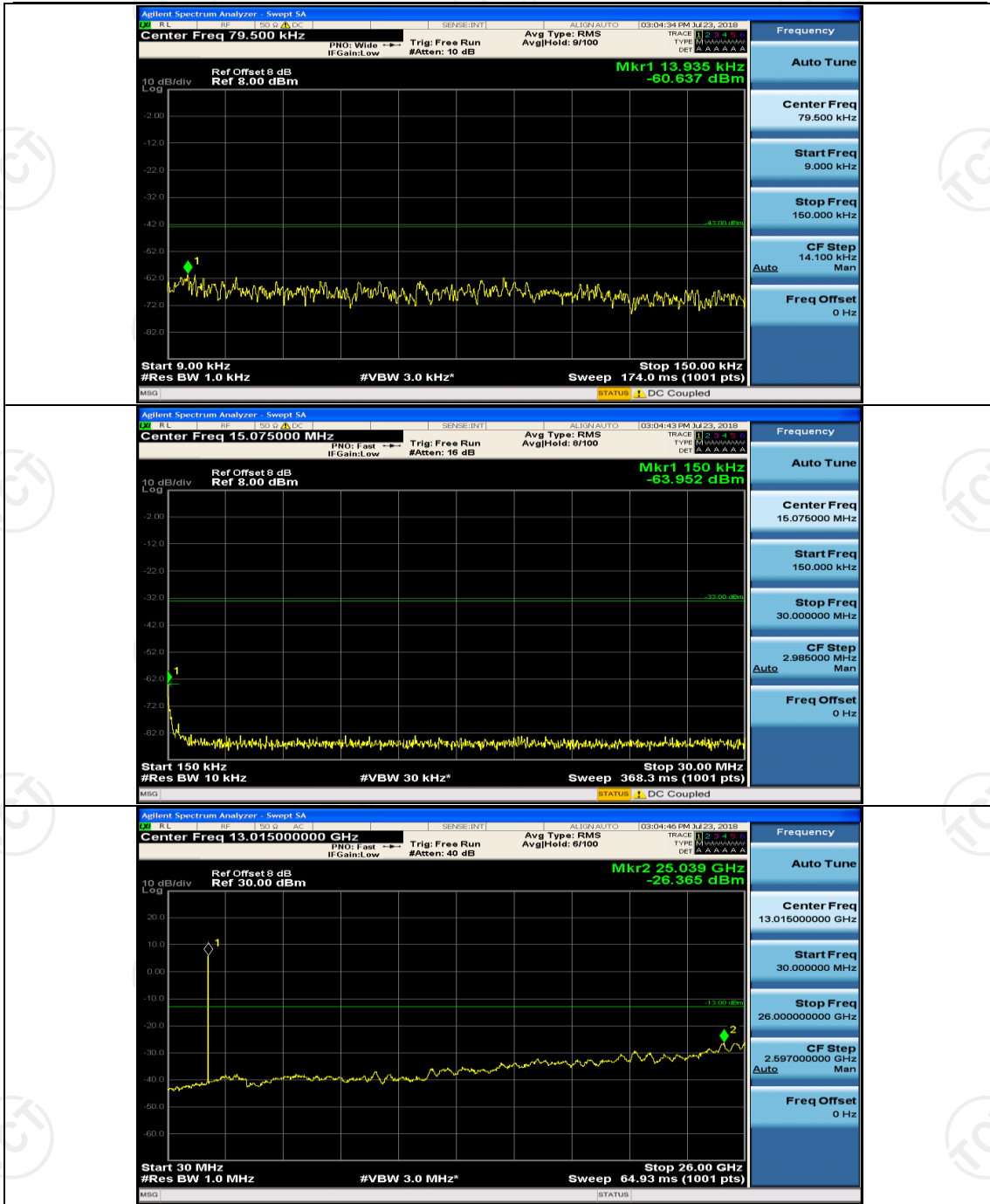


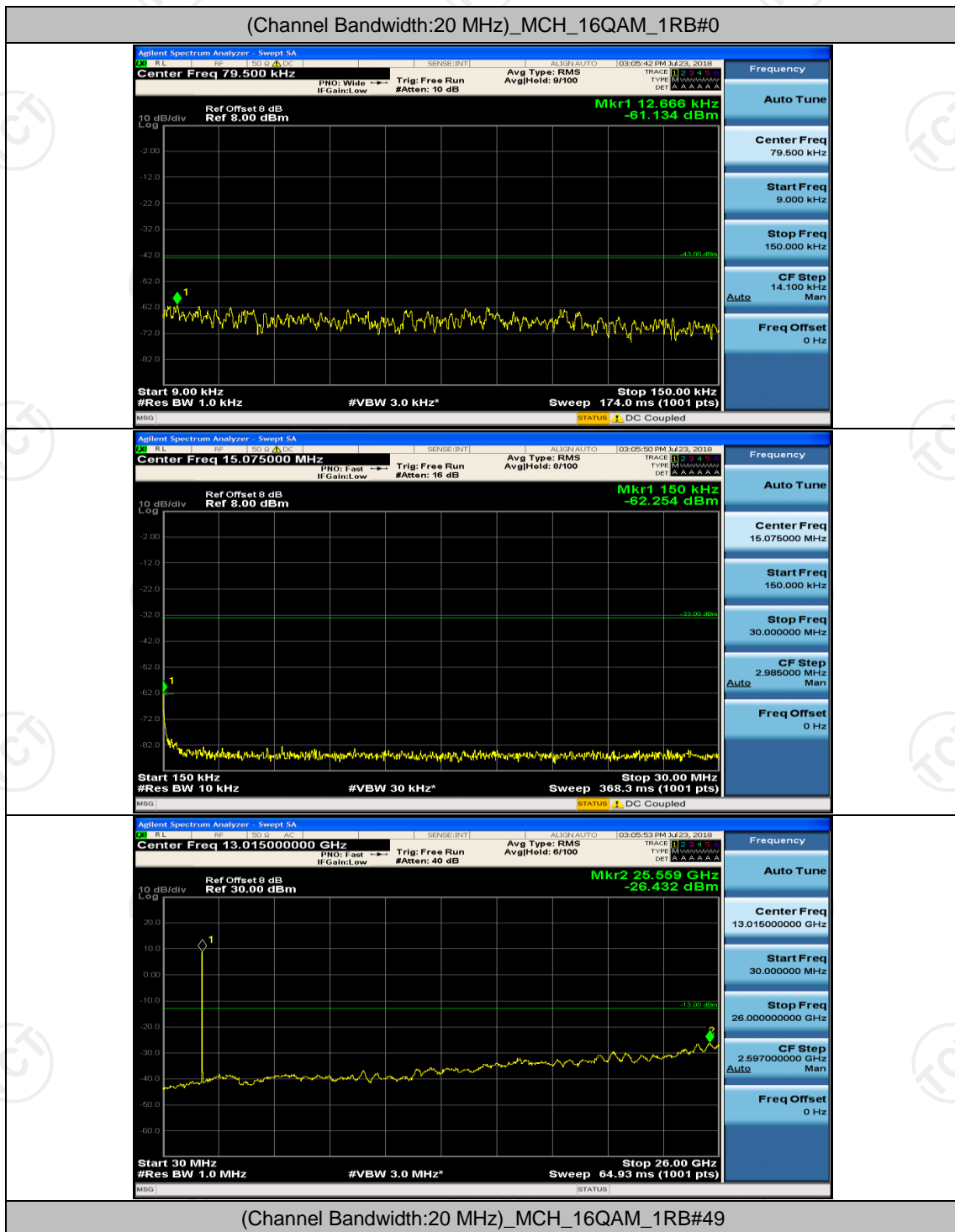
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



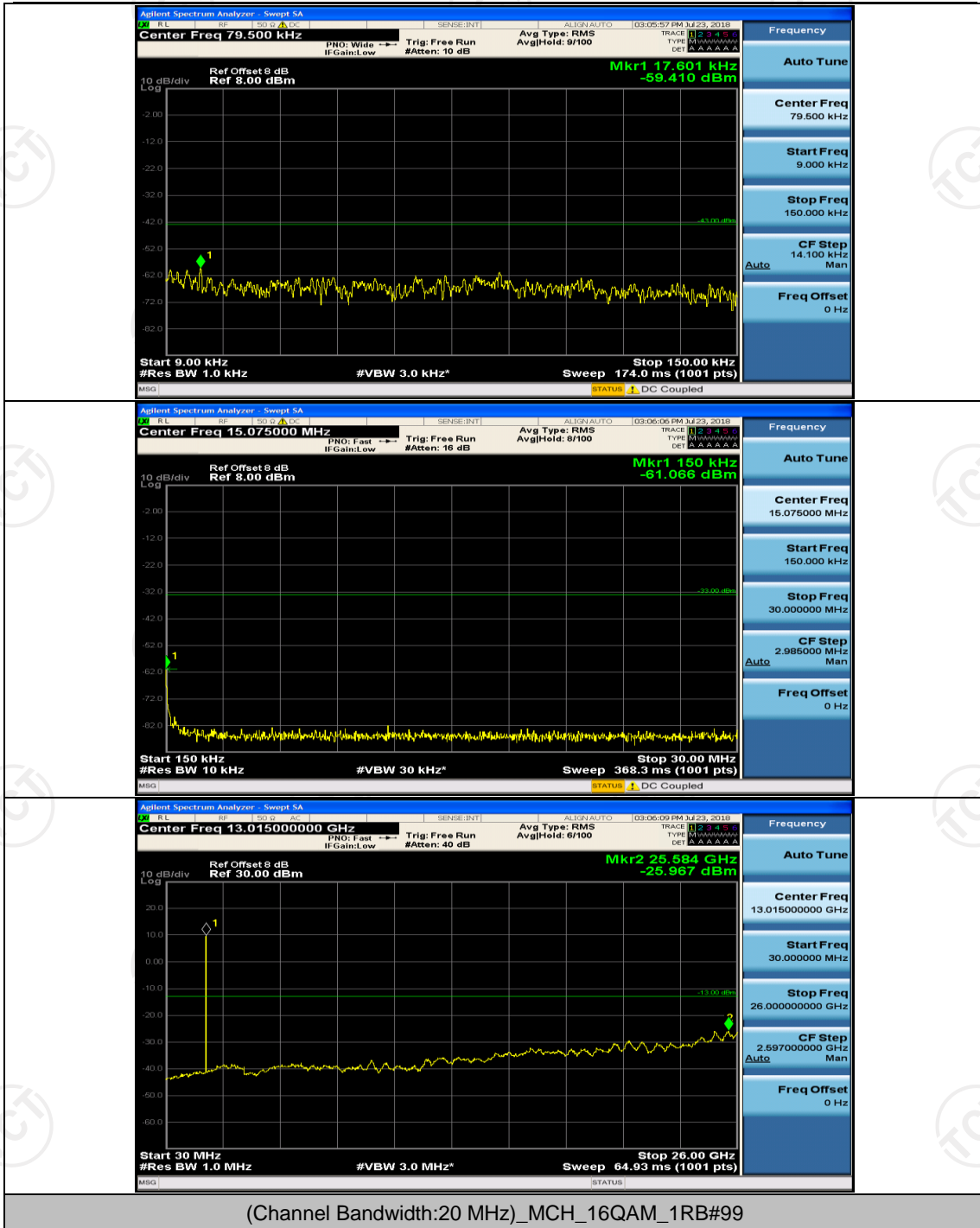
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49

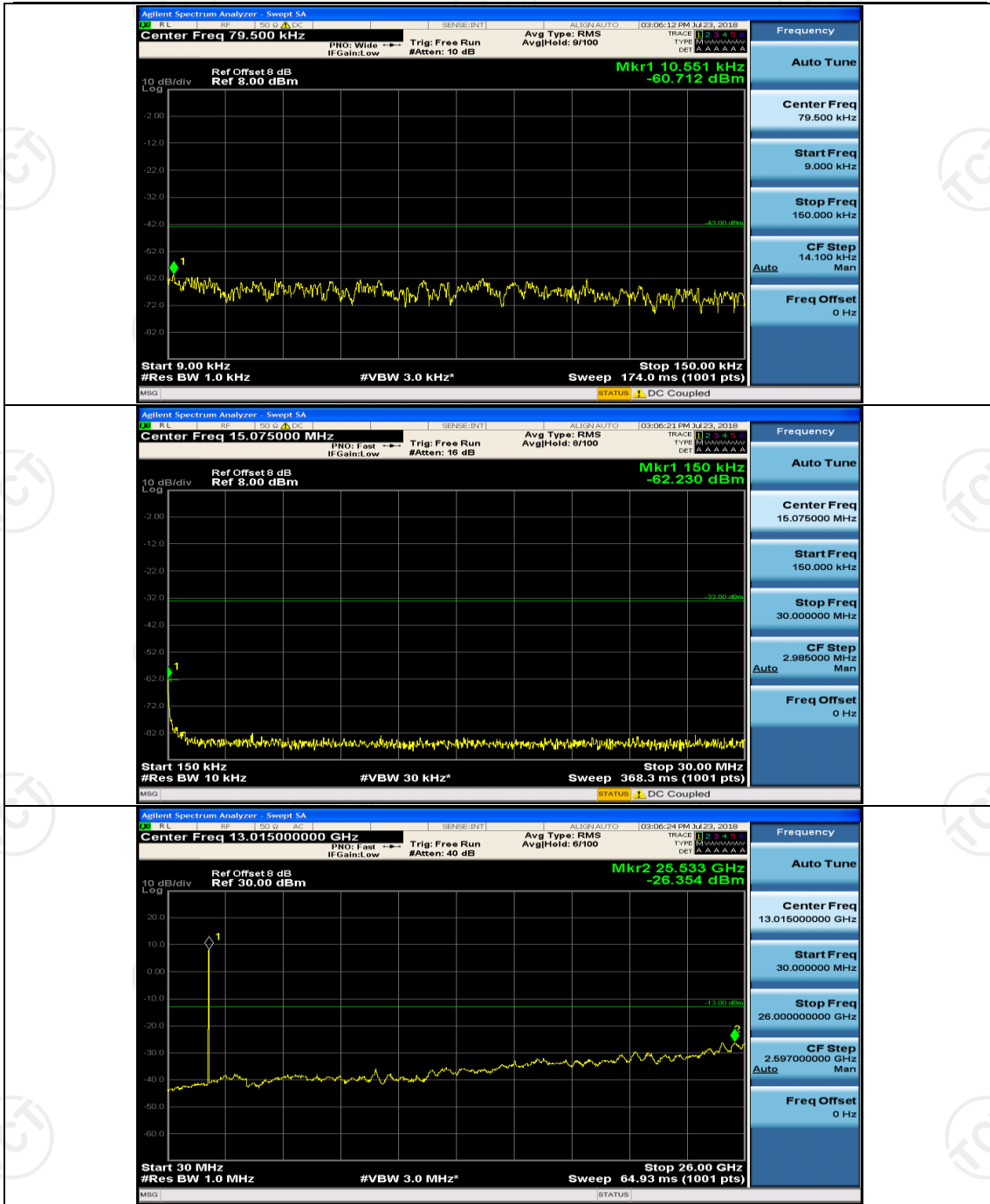


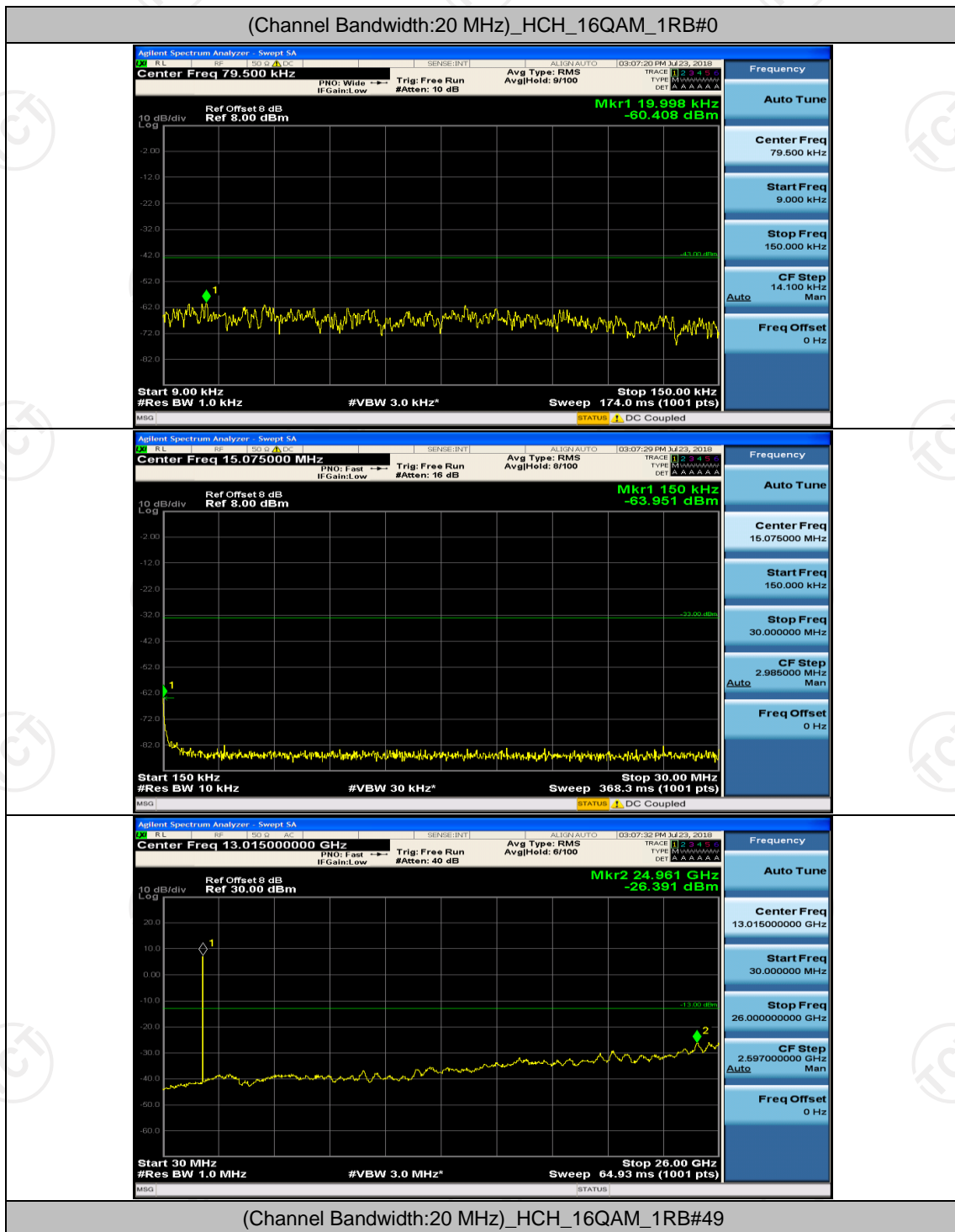


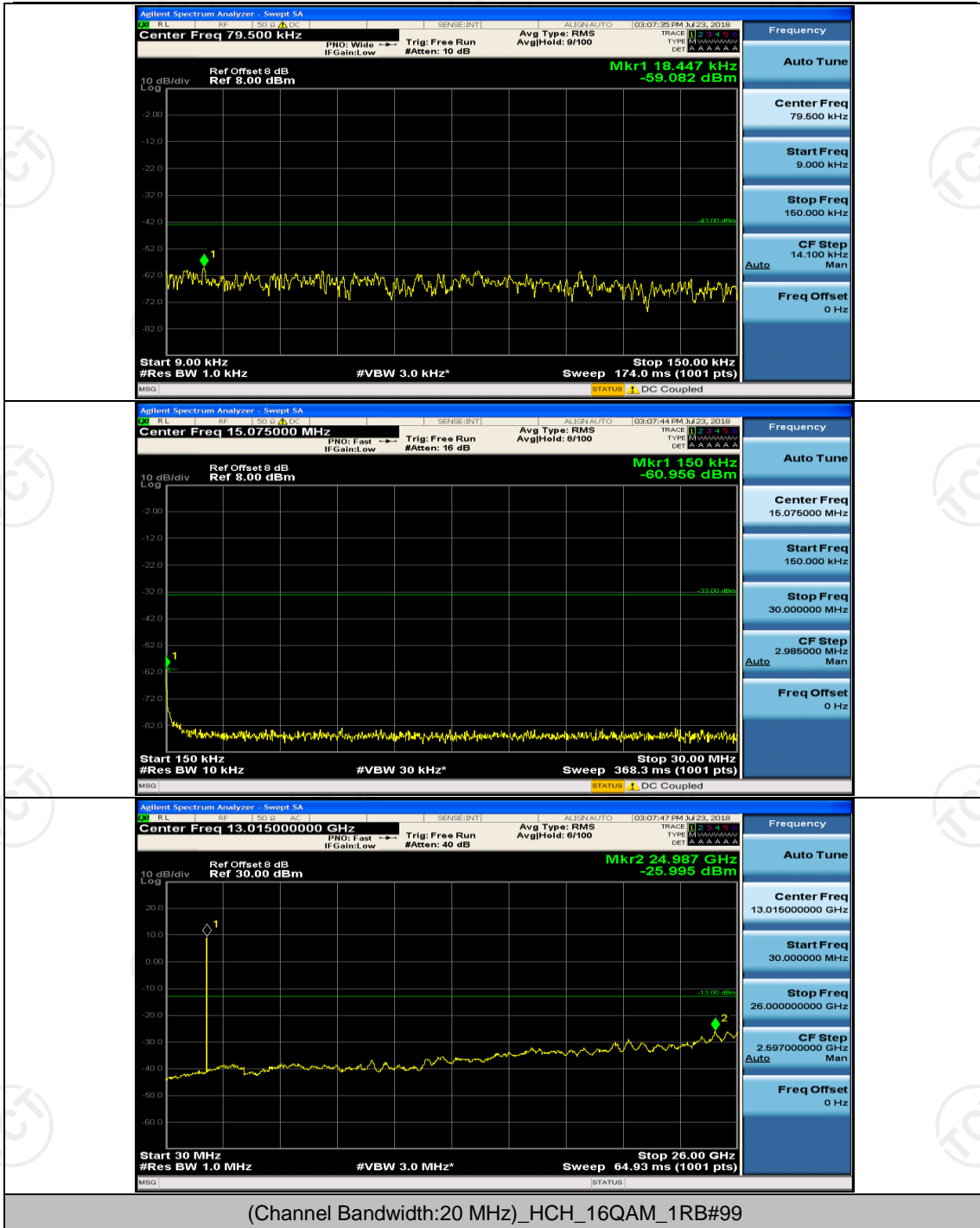




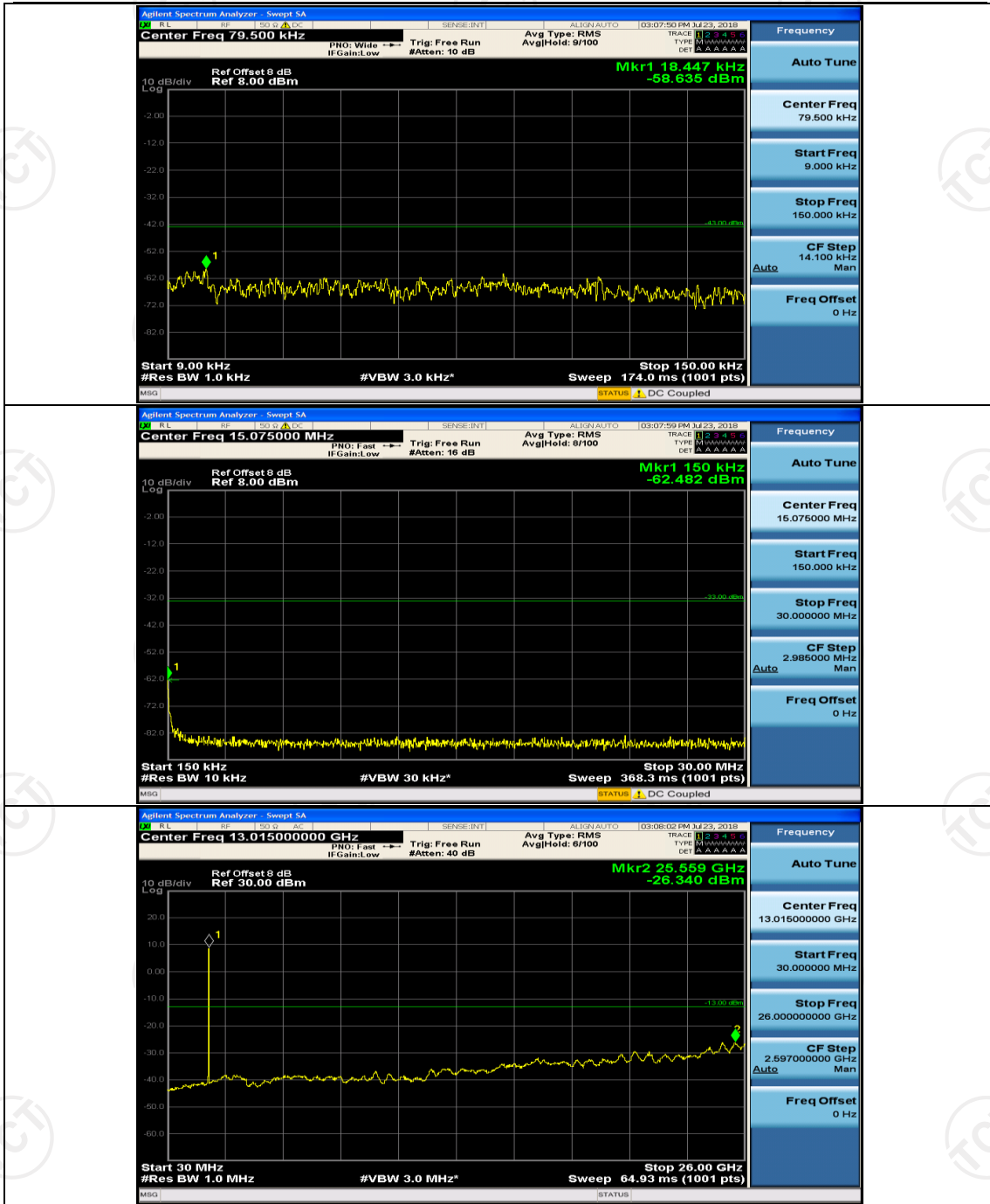








(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#99



## Appendix F: Frequency Stability

### Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Voltage						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.5	25	-0.004752	± 2.5	PASS
		3.7	25	-0.001407	± 2.5	PASS
		4.2	25	-0.003776	± 2.5	PASS
	MCH	3.5	25	-0.001332	± 2.5	PASS
		3.7	25	-0.010036	± 2.5	PASS
		4.2	25	-0.004238	± 2.5	PASS
	HCH	3.5	25	-0.009070	± 2.5	PASS
		3.7	25	-0.001424	± 2.5	PASS
		4.2	25	-0.001080	± 2.5	PASS
16QAM	LCH	3.5	25	-0.003917	± 2.5	PASS
		3.7	25	-0.002303	± 2.5	PASS
		4.2	25	-0.003876	± 2.5	PASS
	MCH	3.5	25	-0.005387	± 2.5	PASS
		3.7	25	-0.006323	± 2.5	PASS
		4.2	25	-0.001895	± 2.5	PASS
	HCH	3.5	25	-0.004580	± 2.5	PASS
		3.7	25	-0.001424	± 2.5	PASS
		4.2	25	-0.003135	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-0.000714	± 2.5	PASS
		3.7	-20	-0.002372	± 2.5	PASS
		3.7	-10	-0.009750	± 2.5	PASS
		3.7	0	0.000641	± 2.5	PASS
		3.7	10	-0.002295	± 2.5	PASS
		3.7	20	-0.002458	± 2.5	PASS
		3.7	30	-0.003130	± 2.5	PASS
		3.7	40	-0.001129	± 2.5	PASS
		3.7	50	-0.003130	± 2.5	PASS
	MCH	3.7	-30	-0.001035	± 2.5	PASS
		3.7	-20	-0.005098	± 2.5	PASS
		3.7	-10	-0.002998	± 2.5	PASS
		3.7	0	-0.005517	± 2.5	PASS
		3.7	10	-0.003059	± 2.5	PASS
		3.7	20	-0.007061	± 2.5	PASS

		3.7	30	0.001461	± 2.5	PASS	
		3.7	40	-0.003675	± 2.5	PASS	
		3.7	50	-0.003318	± 2.5	PASS	
	HCH	3.7	-30	-0.007061	± 2.5	PASS	
		3.7	-20	-0.000092	± 2.5	PASS	
		3.7	-10	-0.003853	± 2.5	PASS	
		3.7	0	-0.004430	± 2.5	PASS	
		3.7	10	-0.002114	± 2.5	PASS	
		3.7	20	-0.004902	± 2.5	PASS	
		3.7	30	-0.003506	± 2.5	PASS	
		3.7	40	-0.003506	± 2.5	PASS	
		3.7	50	-0.003282	± 2.5	PASS	
		16QAM	LCH	3.7	-30	-0.001022	± 2.5
3.7	-20			-0.004566	± 2.5	PASS	
3.7	-10			-0.001236	± 2.5	PASS	
3.7	0			-0.001182	± 2.5	PASS	
3.7	10			-0.003879	± 2.5	PASS	
3.7	20			-0.003293	± 2.5	PASS	
3.7	30			-0.000657	± 2.5	PASS	
3.7	40			-0.002489	± 2.5	PASS	
MCH	3.7		50	-0.001368	± 2.5	PASS	
	3.7		-30	-0.001643	± 2.5	PASS	
	3.7		-20	-0.003325	± 2.5	PASS	
	3.7		-10	-0.011269	± 2.5	PASS	
	3.7		0	-0.001278	± 2.5	PASS	
	3.7		10	-0.001377	± 2.5	PASS	
	3.7		20	-0.004801	± 2.5	PASS	
	3.7		30	-0.005889	± 2.5	PASS	
HCH	3.7		40	-0.003759	± 2.5	PASS	
	3.7		50	-0.005250	± 2.5	PASS	
	3.7		-30	-0.000521	± 2.5	PASS	
	3.7		-20	-0.007608	± 2.5	PASS	
	3.7		-10	-0.004460	± 2.5	PASS	
	3.7		0	-0.002249	± 2.5	PASS	
	3.7		10	-0.004947	± 2.5	PASS	
	3.7		20	-0.001941	± 2.5	PASS	
			3.7	30	-0.000697	± 2.5	PASS
			3.7	40	-0.004046	± 2.5	PASS
			3.7	50	-0.003963	± 2.5	PASS

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

## Appendix G :Field Strength of Spurious Radiation Measurement Test Result

<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Lowest</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1RB #0</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.4	Vertical	-39.35	-13.00	PASS
5552.1	V	-46.55		
-	V	-		
3701.4	Horizontal	-38.52		
5552.1	H	-47.22		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Middle</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1RB #0</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760	Vertical	-40.31	-13.00	PASS
5640	V	-47.07		
-	V	-		
3760	Horizontal	-40.75		
5640	H	-48.49		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Highest</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1RB #0</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.6	Vertical	-41.55	-13.00	PASS
5727.9	V	-49.87		
-	V	-		
3818.6	Horizontal	-40.52		
5727.9	H	-47.68		
-	H	-		



<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Lowest</b>
<b>Modulation:</b>	<b>16QAM</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1RB #0</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.4	Vertical	-41.67	-13.00	PASS
5552.1	V	-47.86		
-	V	-		
3701.4	Horizontal	-41.50		
5552.1	H	-48.75		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Middle</b>
<b>Modulation:</b>	<b>16QAM</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1RB #0</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760	Vertical	-38.51	-13.00	PASS
5640	V	-47.23		
-	V	-		
3760	Horizontal	-39.47		
5640	H	-48.34		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Highest</b>
<b>Modulation:</b>	<b>16QAM</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1RB #0</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.6	Vertical	-41.21	-13.00	PASS
5727.9	V	-48.68		
-	V	-		
3818.6	Horizontal	-40.14		
5727.9	H	-49.72		
-	H	-		

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