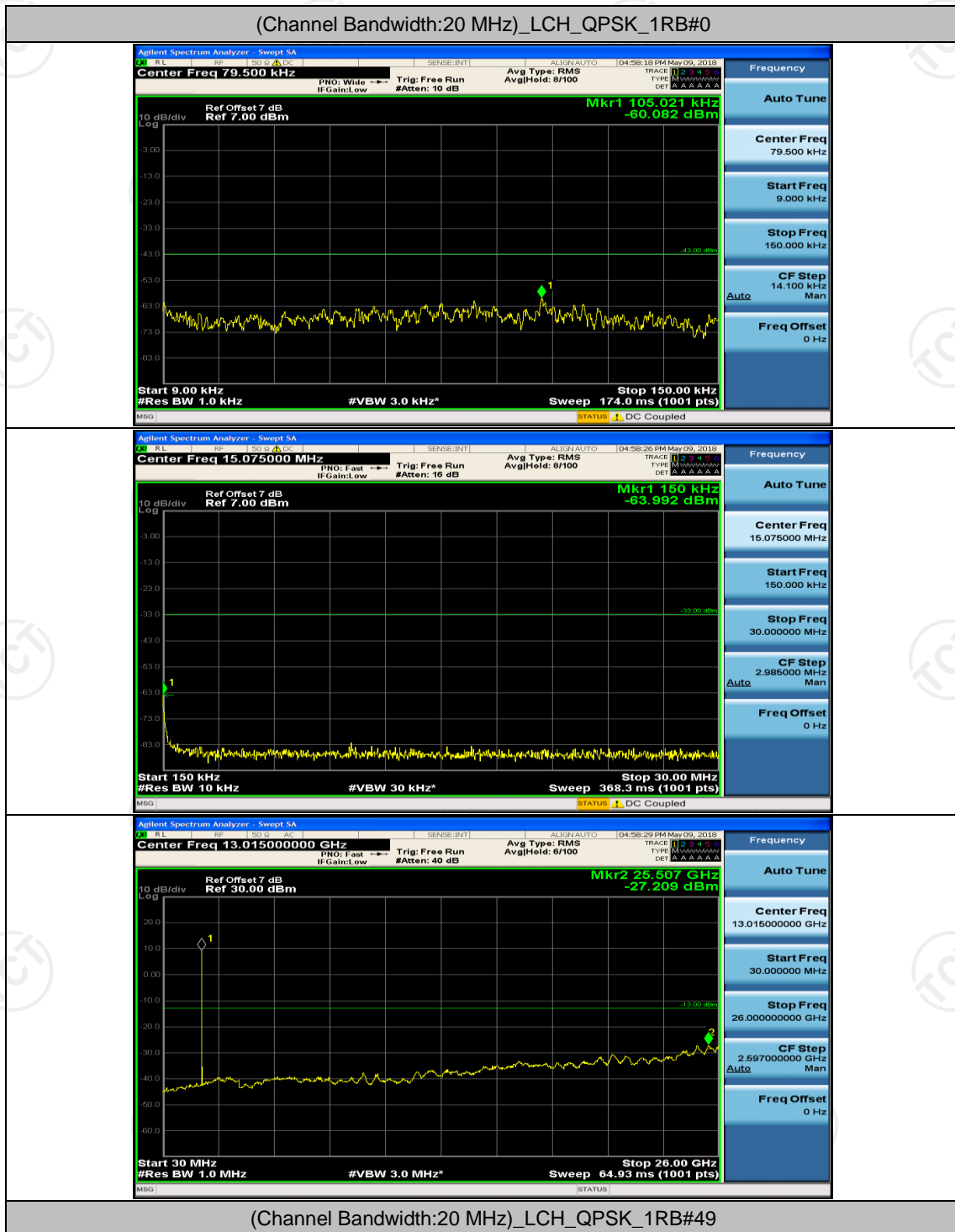
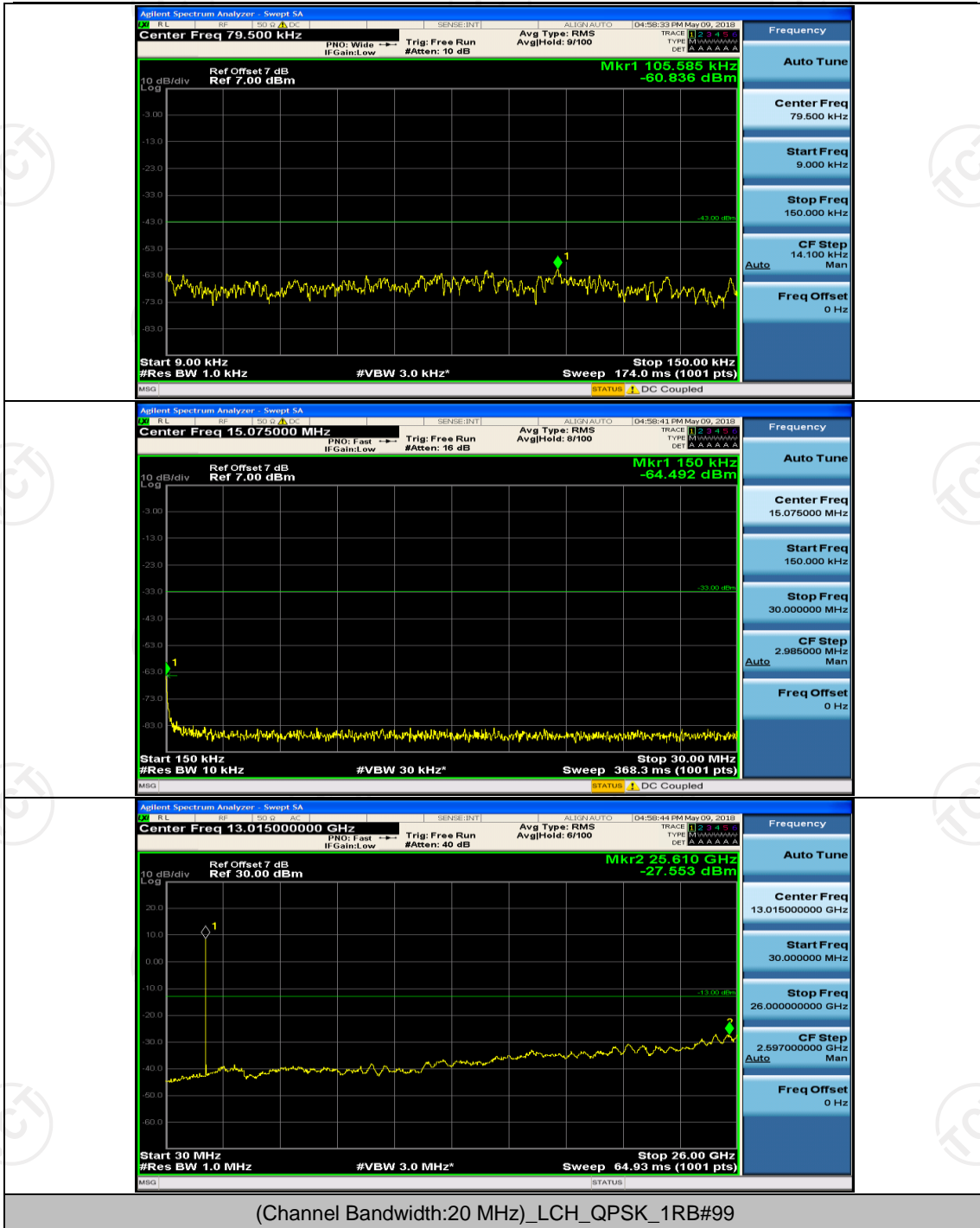
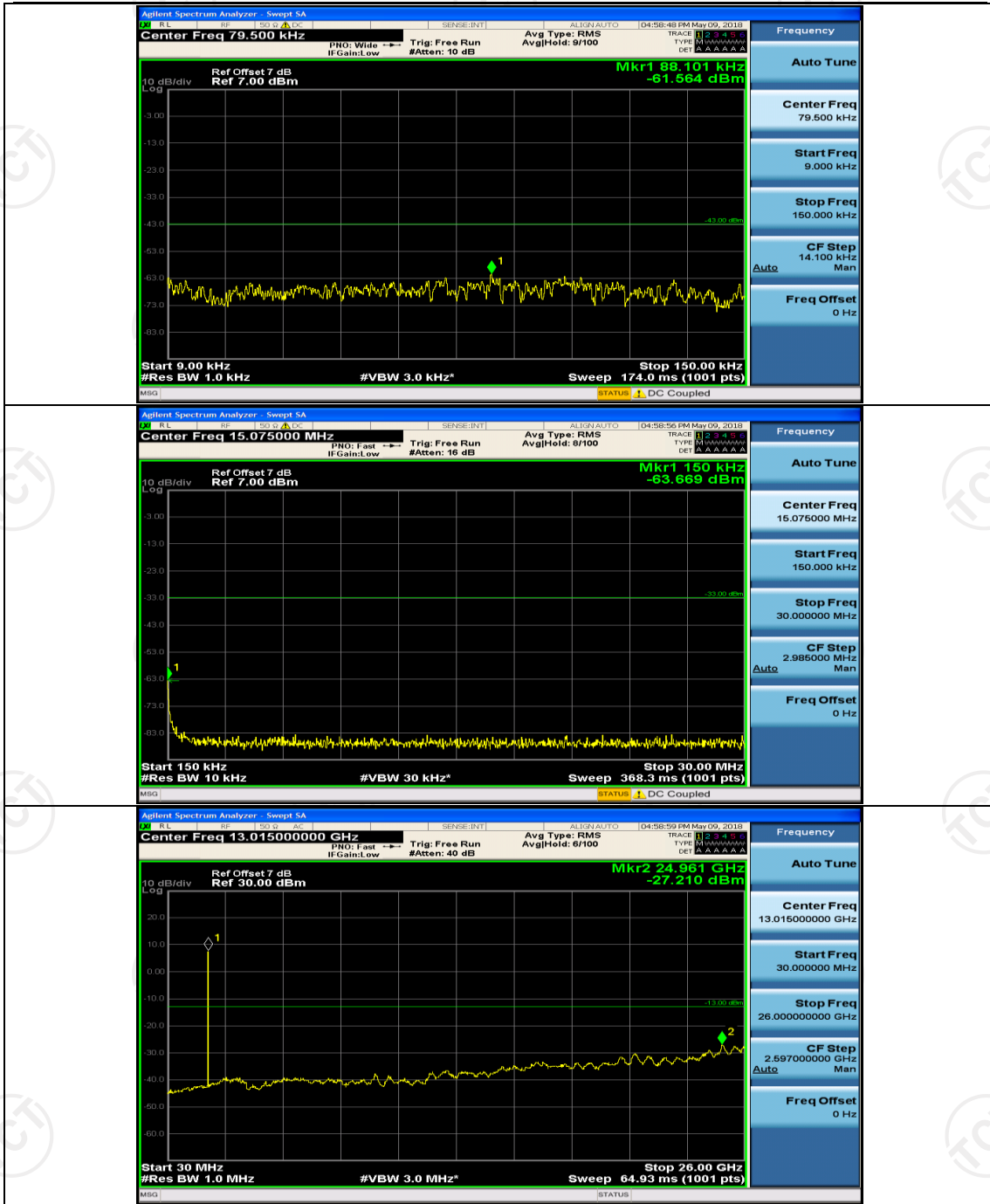


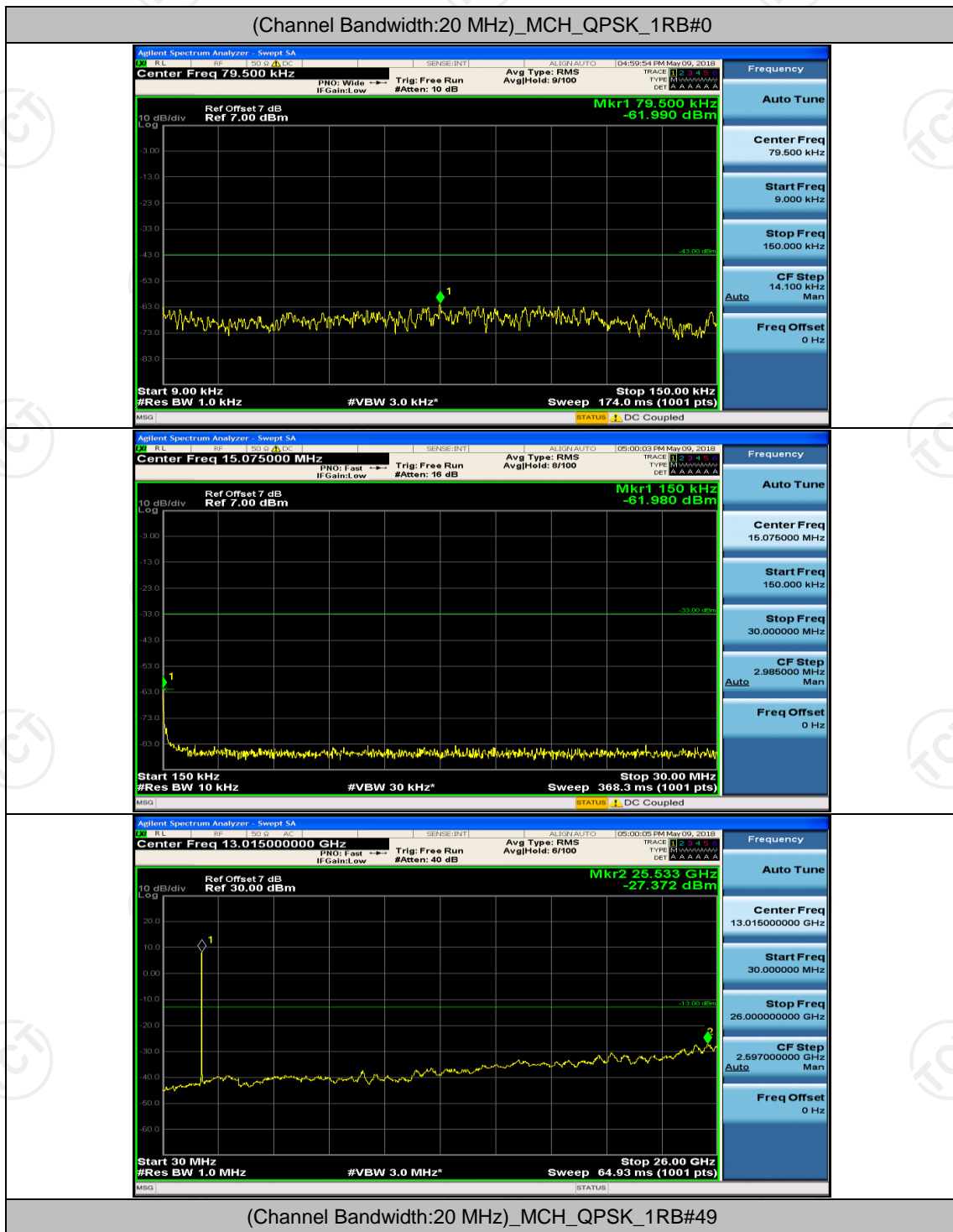


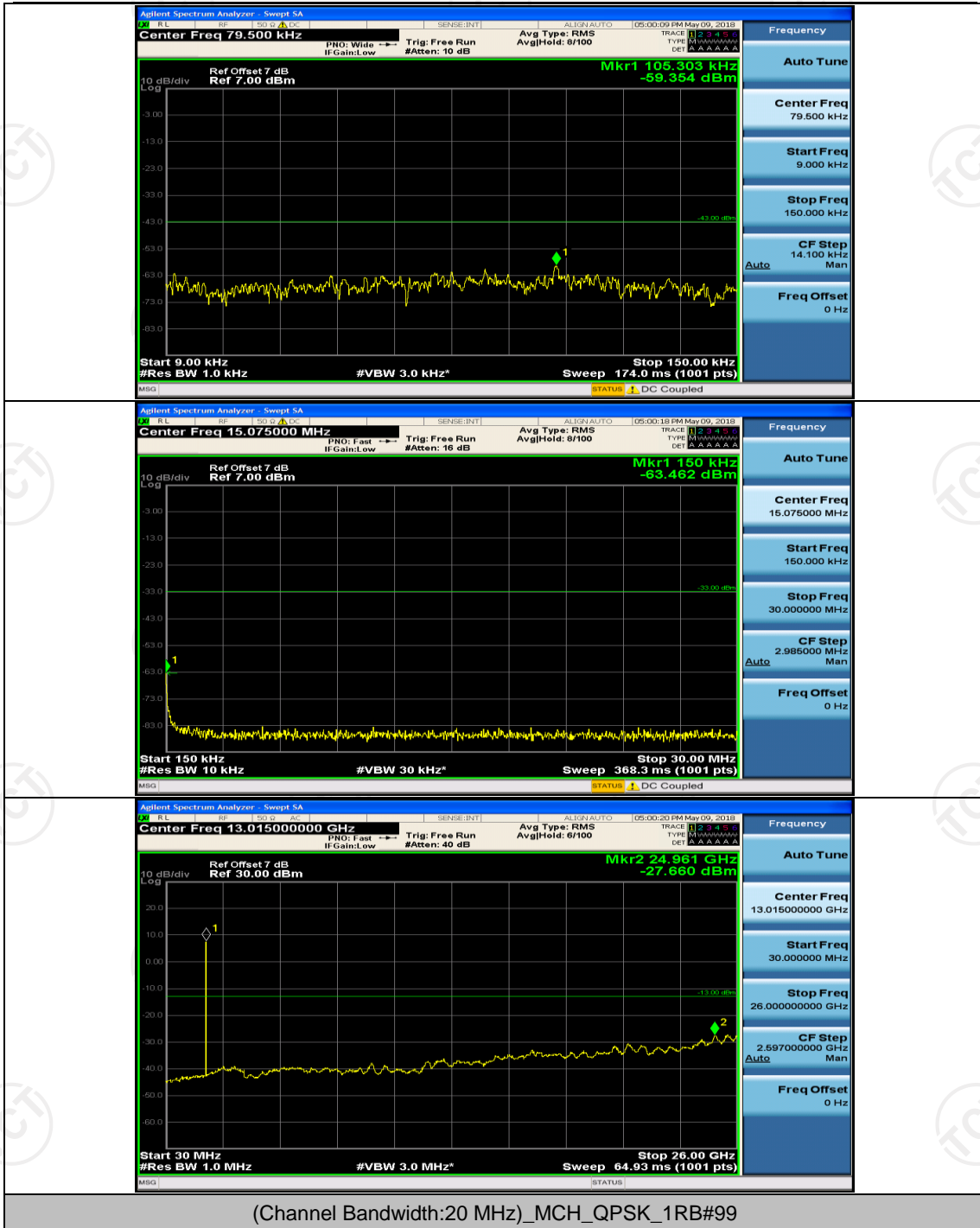
## Channel Bandwidth: 20 MHz

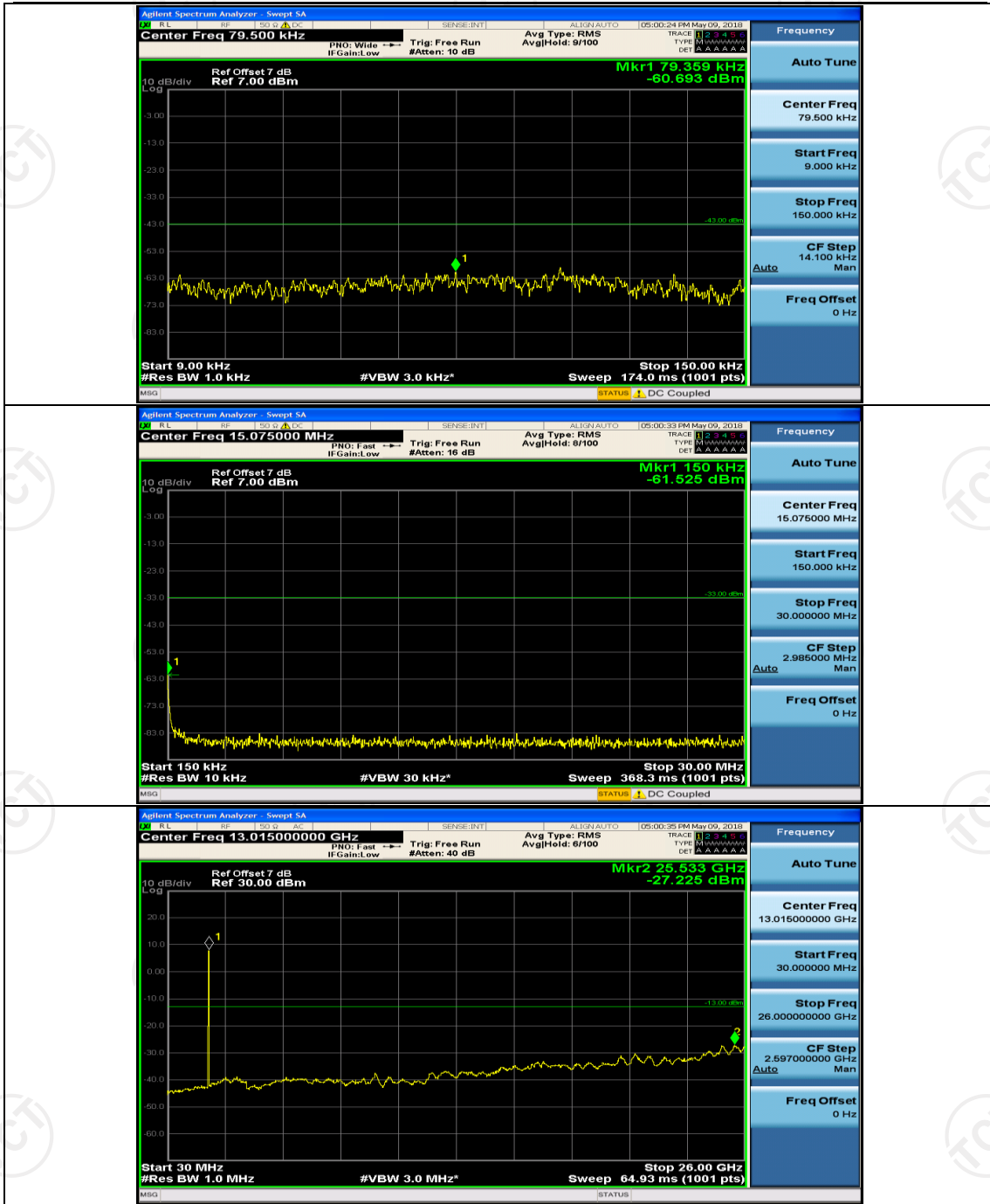


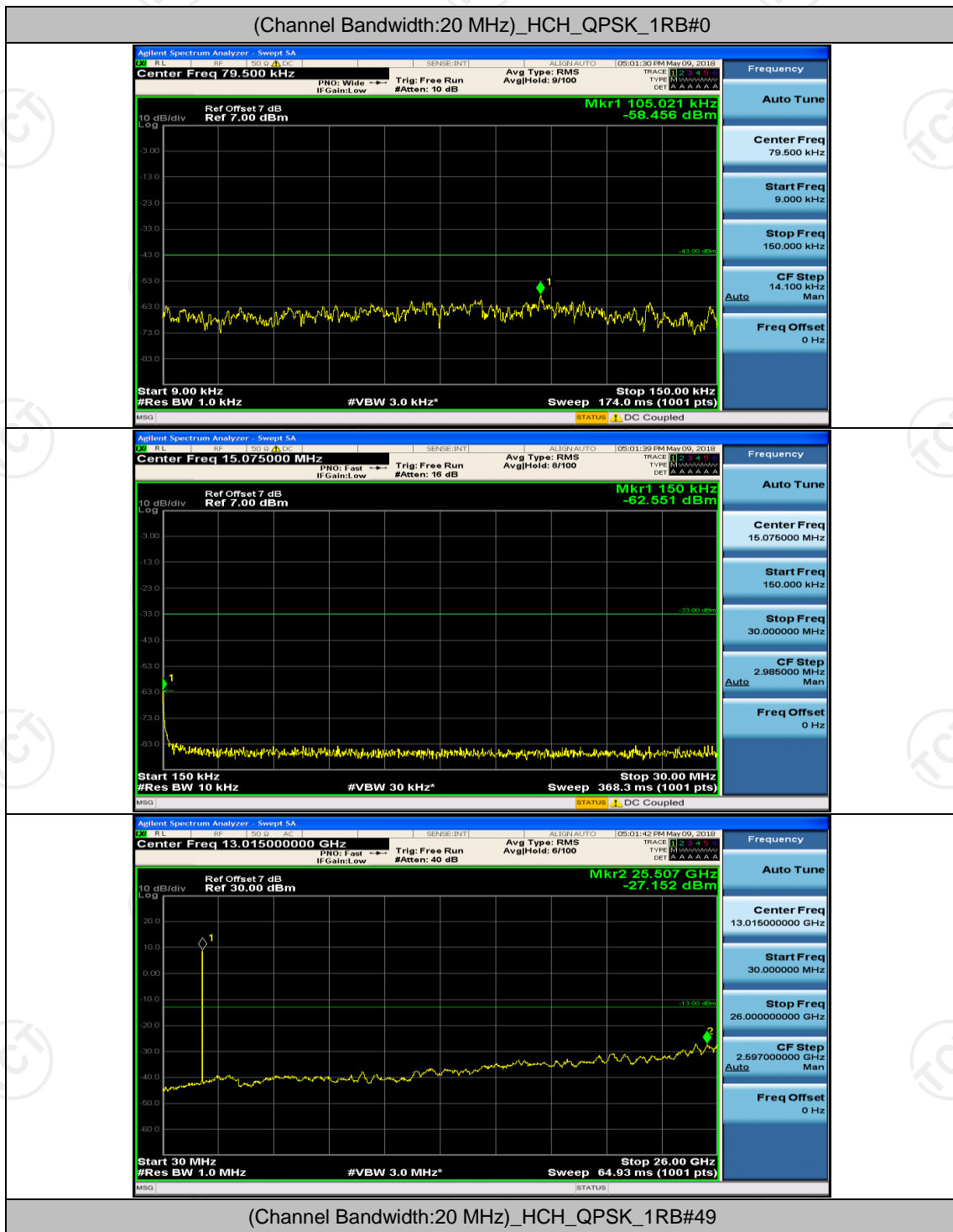


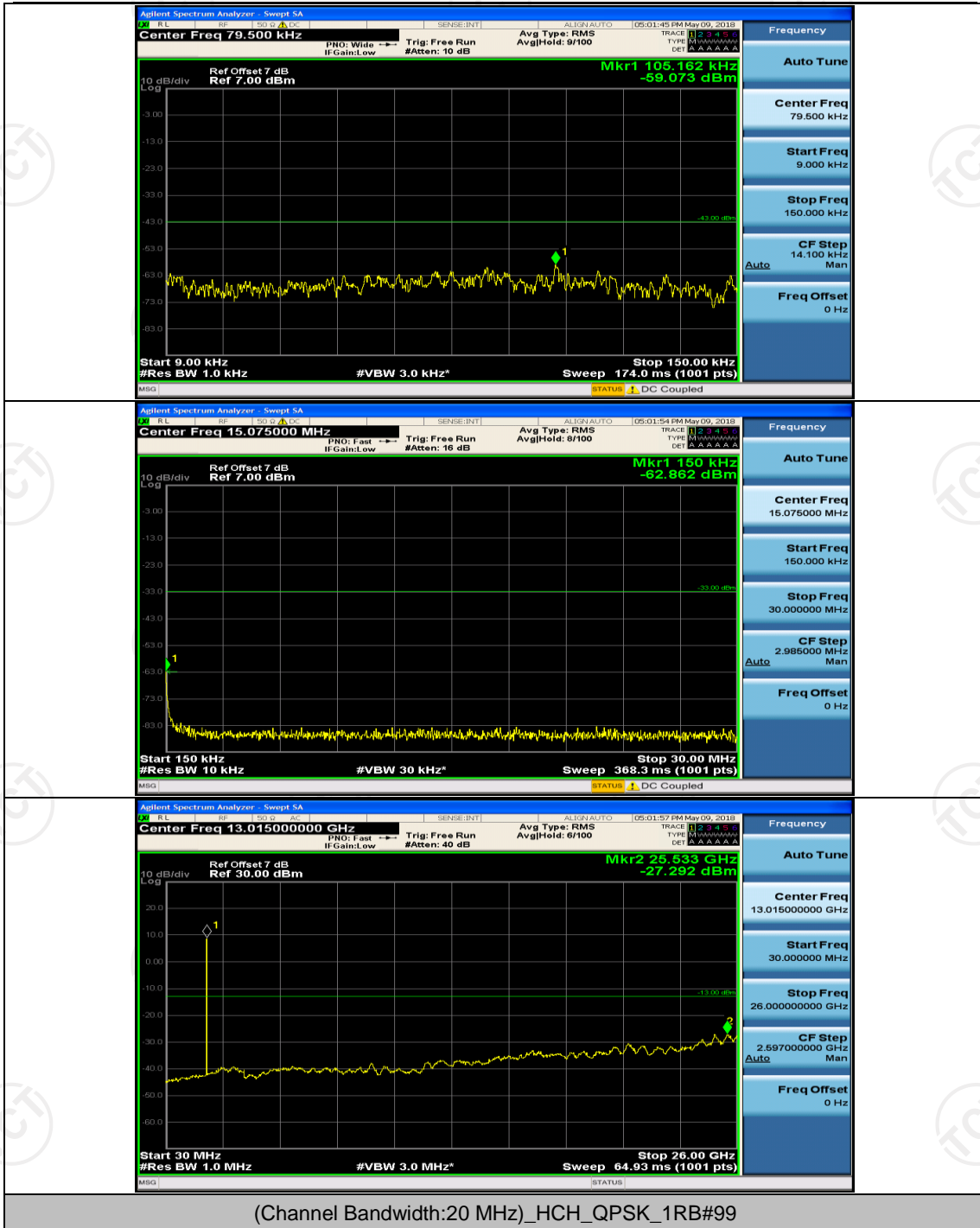




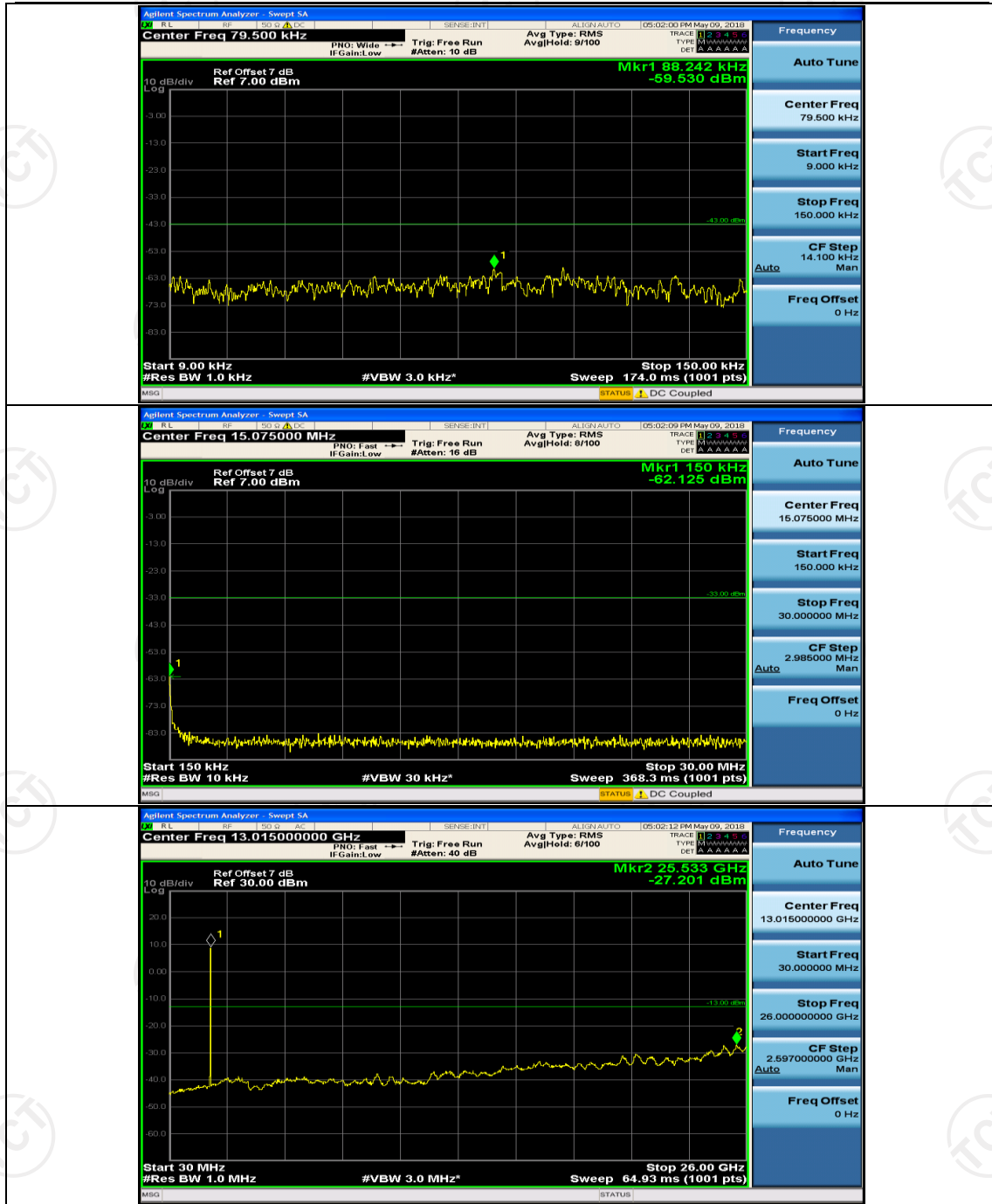


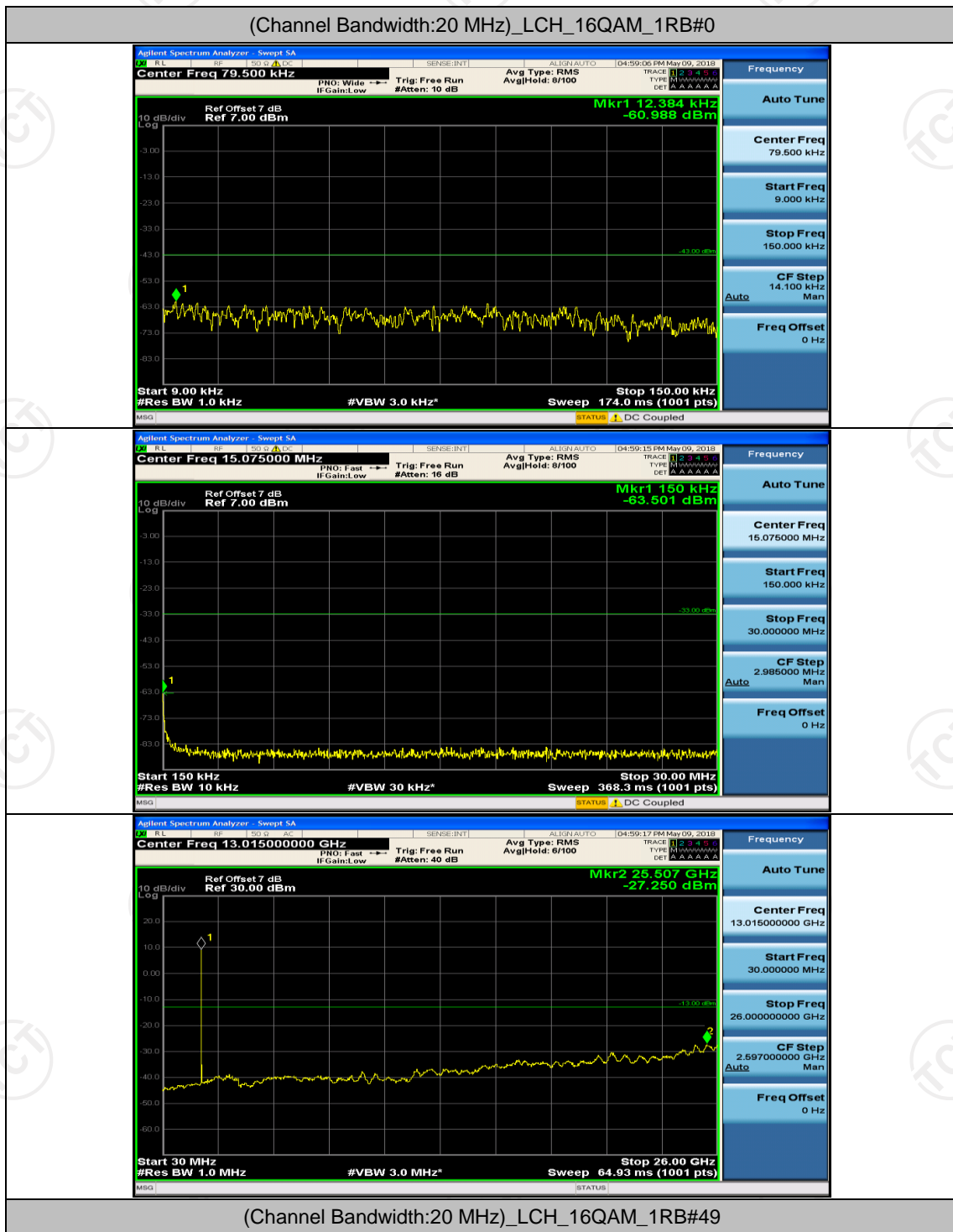


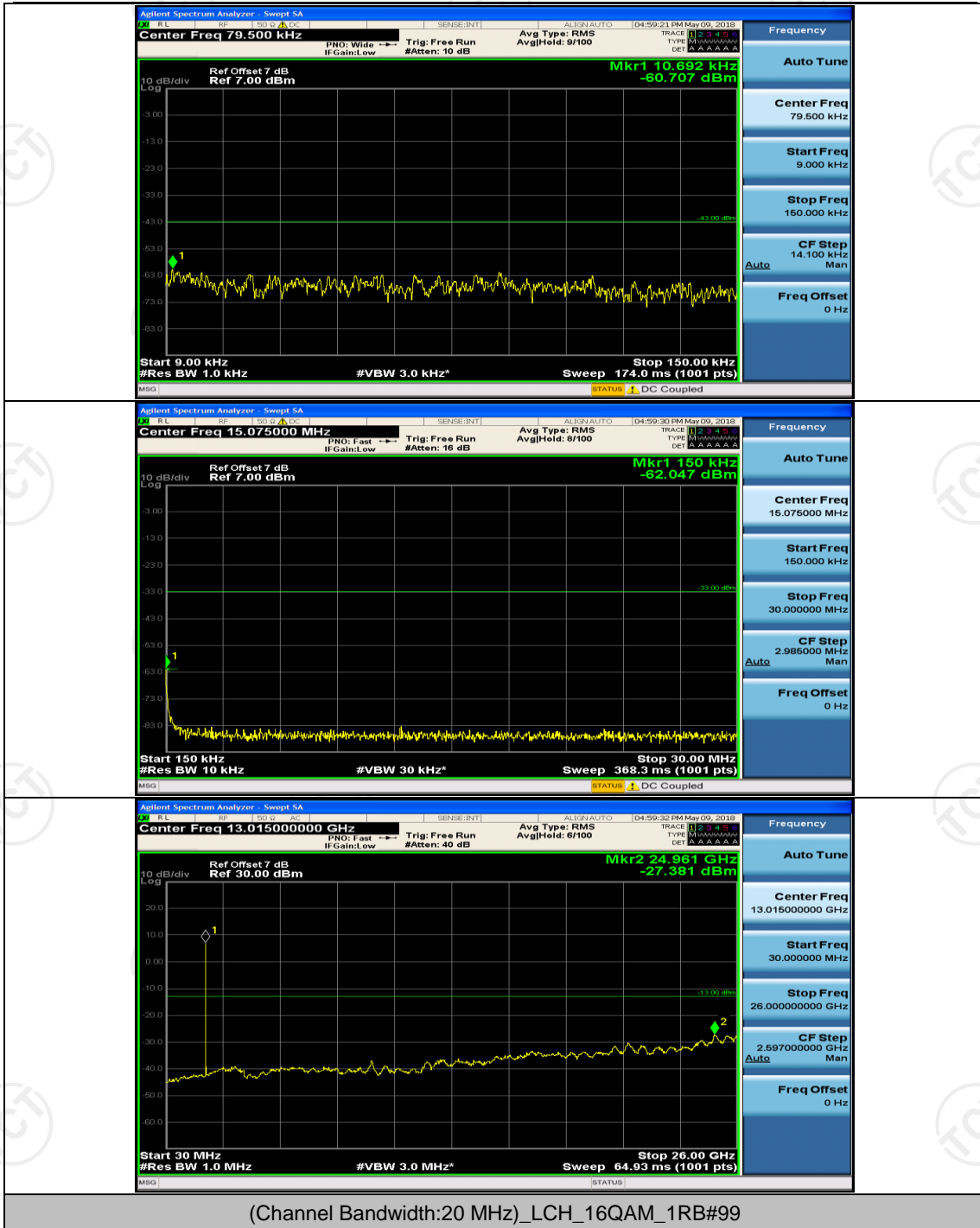


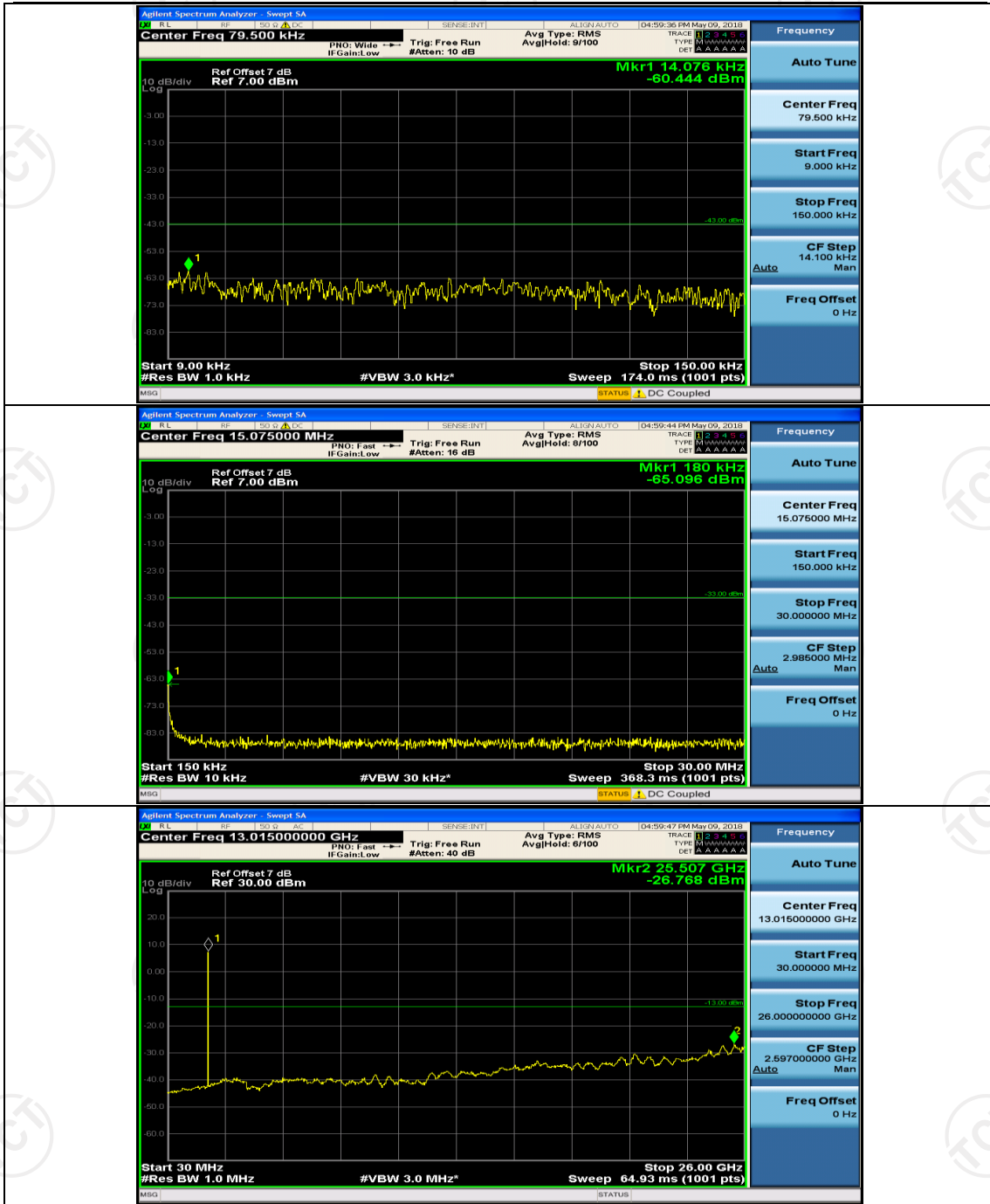


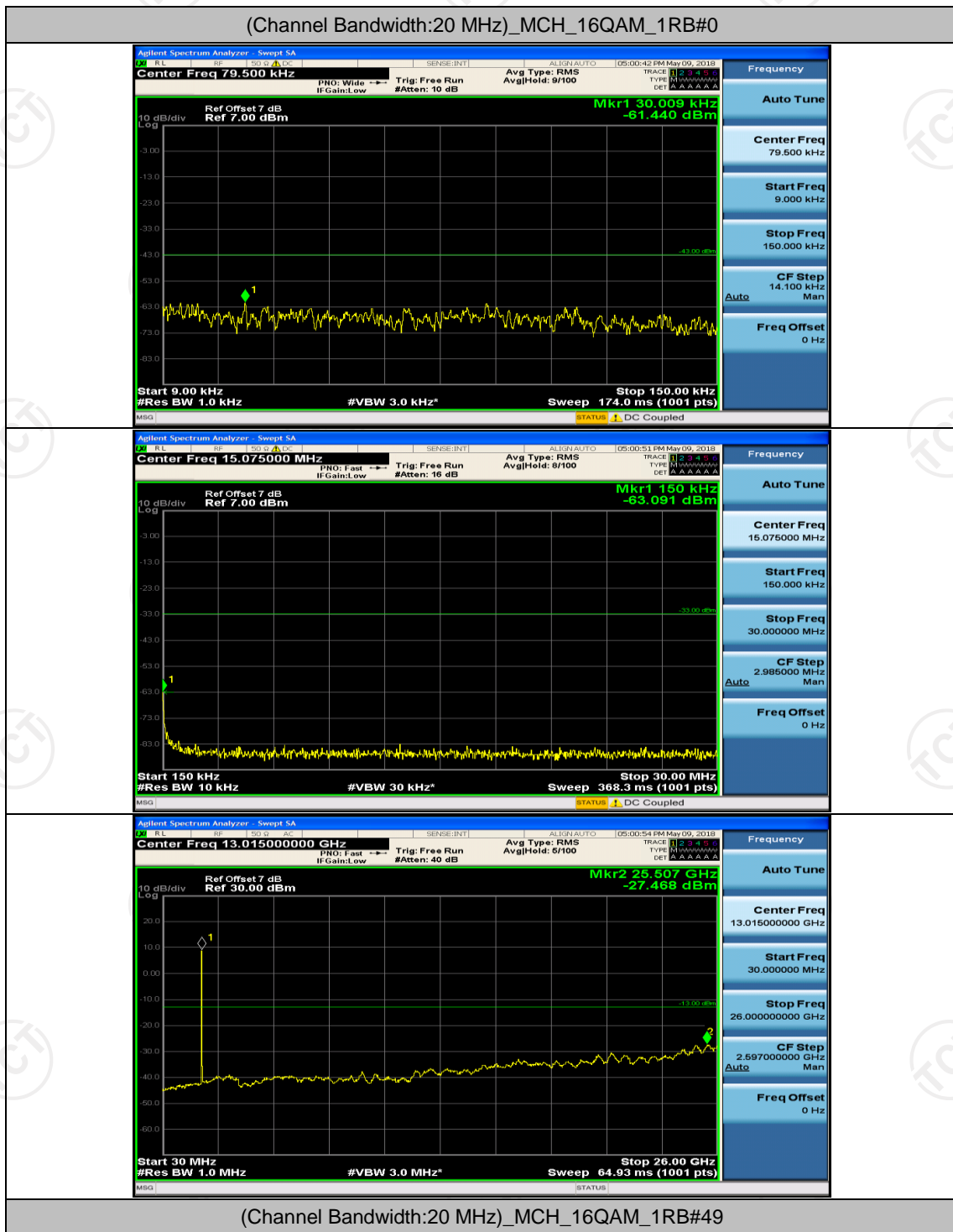


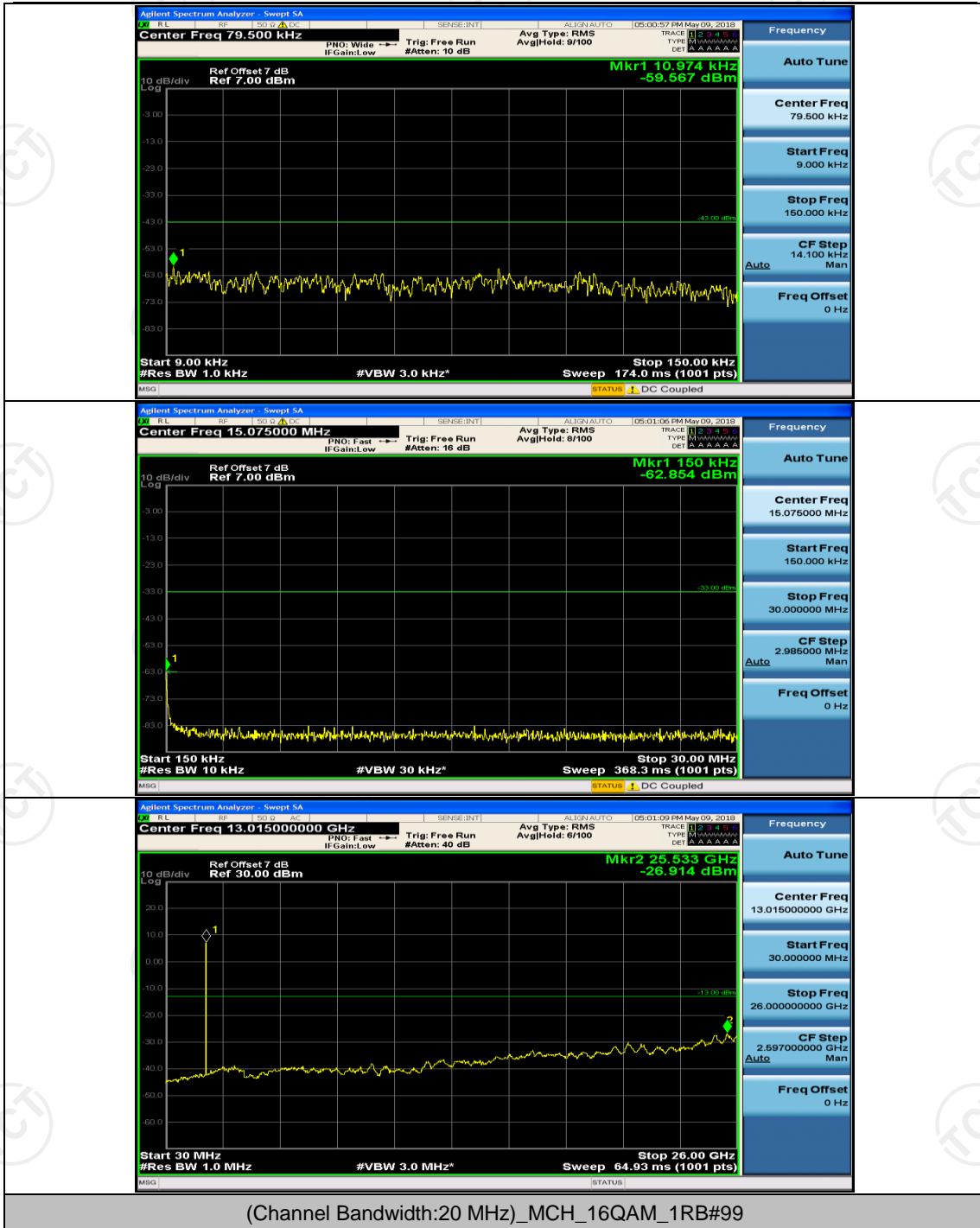


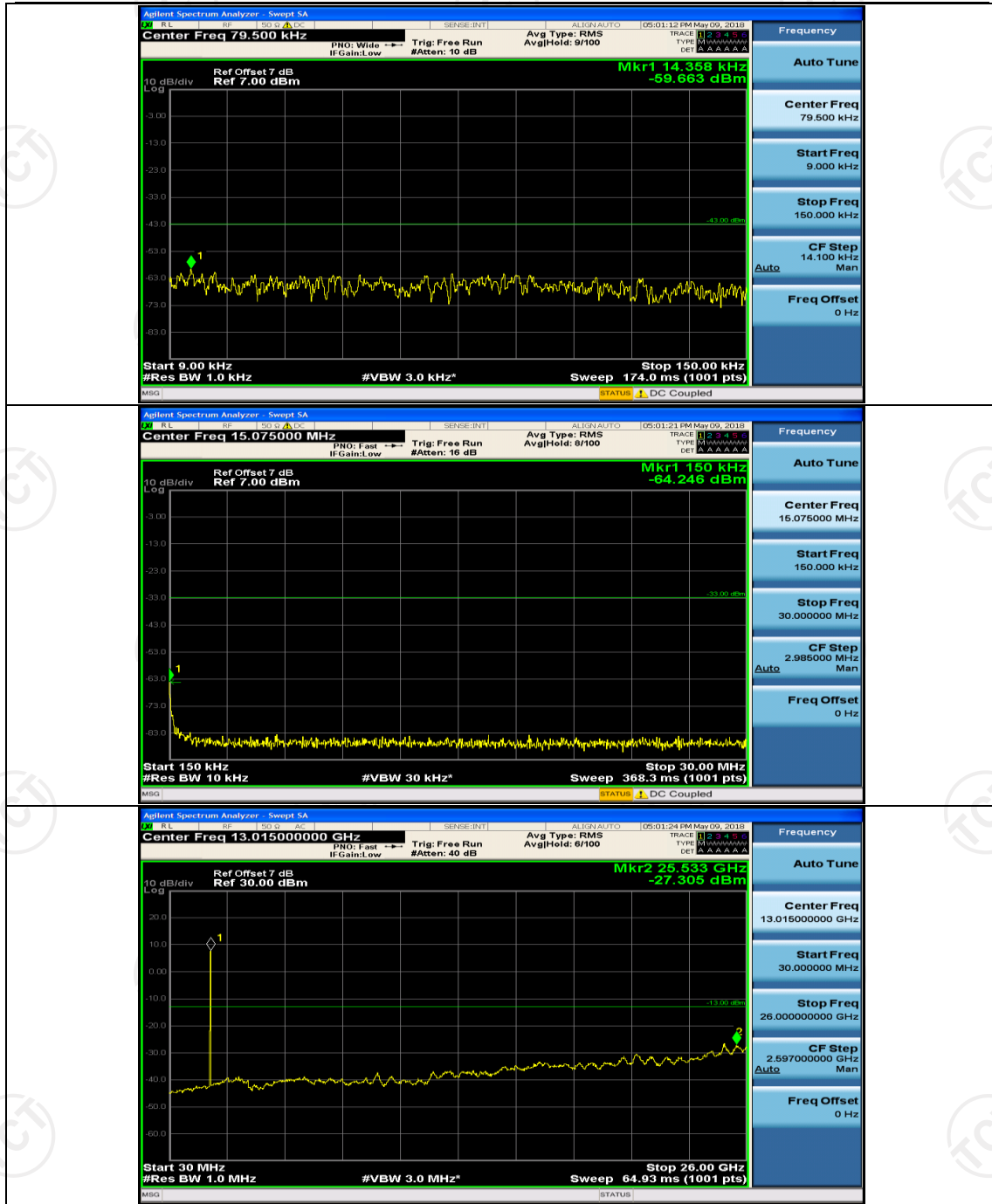


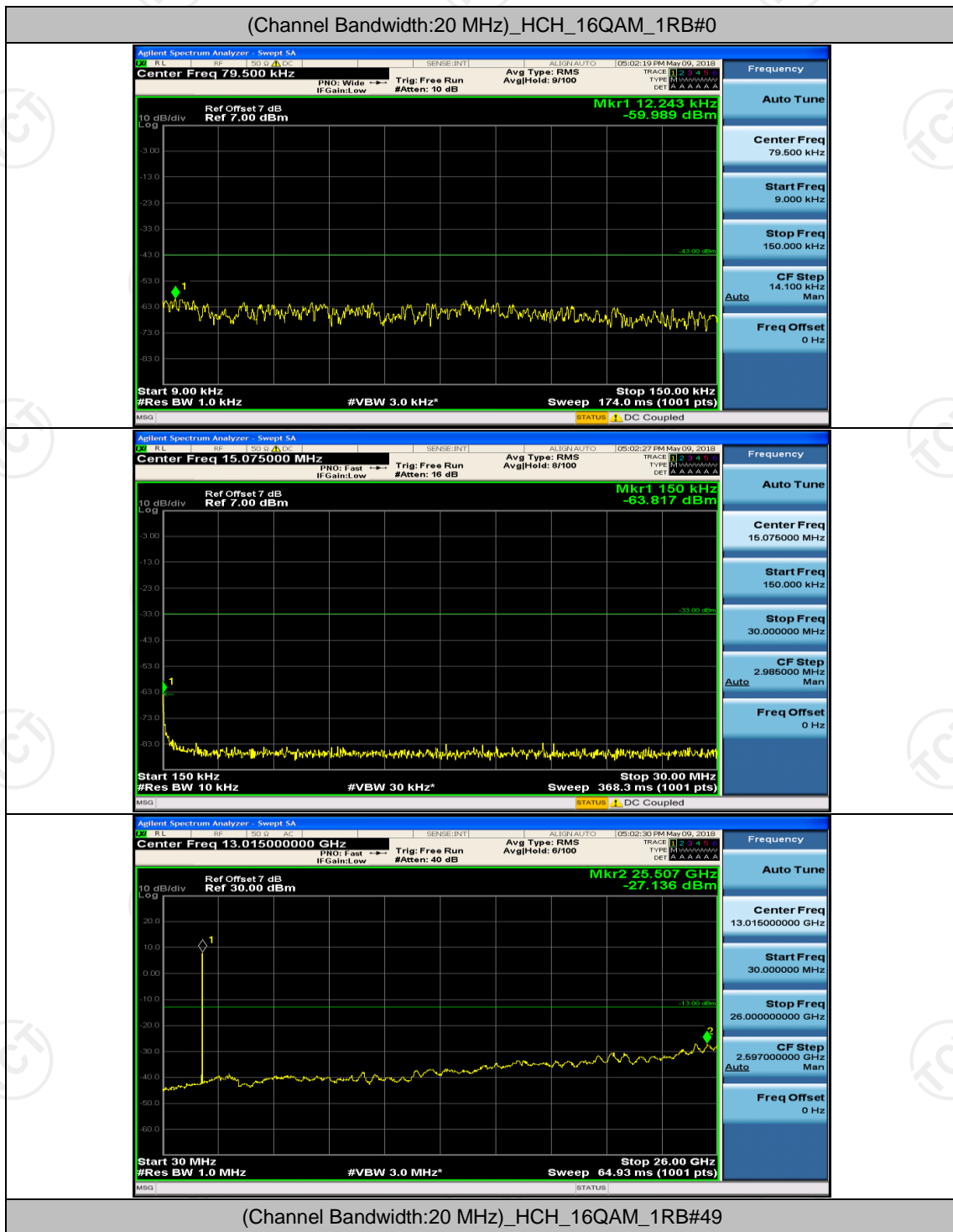




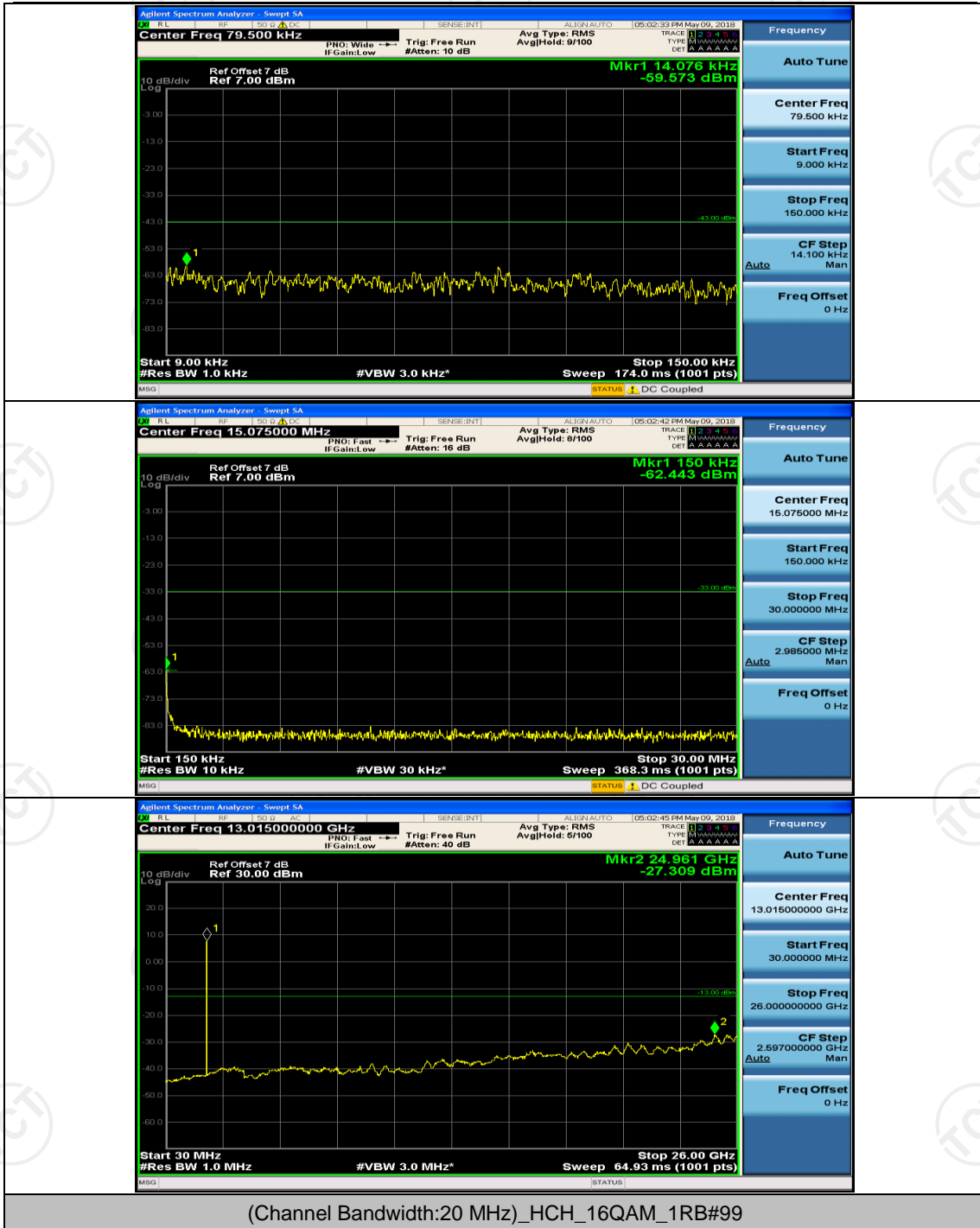


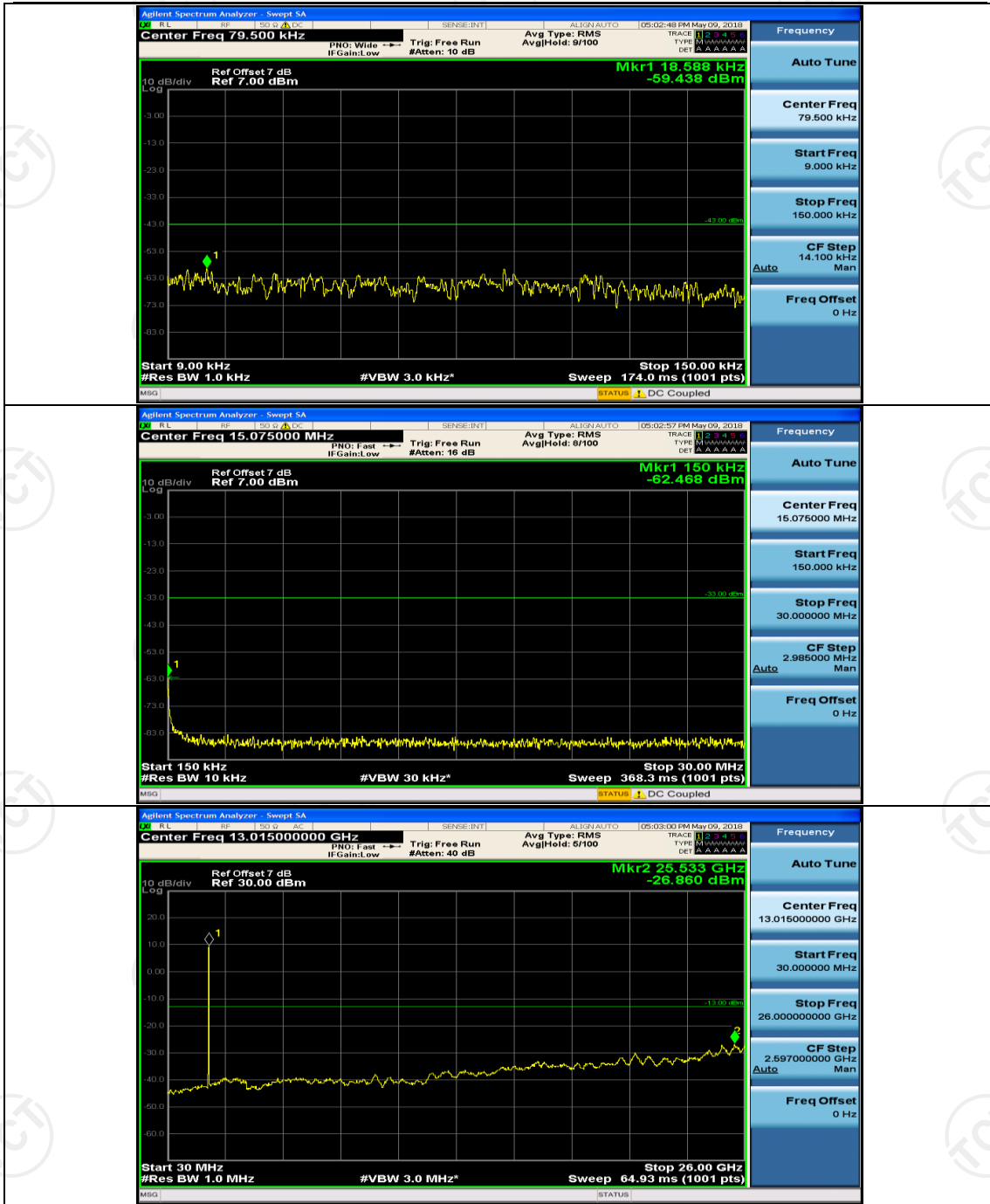












## Appendix F: Frequency Stability

### 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	3.3	25	-0.001028	± 2.5	PASS
		3.8	25	0.000997	± 2.5	PASS
		4.2	25	-0.000836	± 2.5	PASS
	MCH	3.3	25	-0.001192	± 2.5	PASS
		3.8	25	0.001522	± 2.5	PASS
		4.2	25	0.001315	± 2.5	PASS
	HCH	3.3	25	0.000149	± 2.5	PASS
		3.8	25	-0.003409	± 2.5	PASS
		4.2	25	0.000012	± 2.5	PASS
16QAM	LCH	3.3	25	-0.00772	± 2.5	PASS
		3.8	25	-0.002095	± 2.5	PASS
		4.2	25	-0.001063	± 2.5	PASS
	MCH	3.3	25	-0.000584	± 2.5	PASS
		3.8	25	-0.002070	± 2.5	PASS
		4.2	25	-0.002032	± 2.5	PASS
	HCH	3.3	25	-0.000478	± 2.5	PASS
		3.8	25	-0.000719	± 2.5	PASS
		4.2	25	-0.000491	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.8	-30	-0.000714	± 2.5	PASS
		3.8	-20	-0.001026	± 2.5	PASS
		3.8	-10	-0.000964	± 2.5	PASS
		3.8	0	-0.001084	± 2.5	PASS
		3.8	10	-0.000892	± 2.5	PASS
		3.8	20	-0.000897	± 2.5	PASS
		3.8	30	-0.000549	± 2.5	PASS
		3.8	40	-0.001716	± 2.5	PASS
		3.8	50	-0.001932	± 2.5	PASS
	MCH	3.8	-30	-0.001035	± 2.5	PASS
		3.8	-20	-0.001147	± 2.5	PASS
		3.8	-10	-0.001079	± 2.5	PASS
		3.8	0	-0.001297	± 2.5	PASS
		3.8	10	-0.000731	± 2.5	PASS
		3.8	20	0.000274	± 2.5	PASS

		3.8	30	0.000068	± 2.5	PASS
		3.8	40	0.000730	± 2.5	PASS
		3.8	50	-0.000320	± 2.5	PASS
	HCH	3.8	-30	-0.000058	± 2.5	PASS
		3.8	-20	-0.000092	± 2.5	PASS
		3.8	-10	-0.000167	± 2.5	PASS
		3.8	0	0.000181	± 2.5	PASS
		3.8	10	0.000136	± 2.5	PASS
		3.8	20	-0.001716	± 2.5	PASS
		3.8	30	-0.001903	± 2.5	PASS
		3.8	40	-0.001626	± 2.5	PASS
		3.8	50	-0.001723	± 2.5	PASS
		16QAM	LCH	3.8	-30	-0.001022
3.8	-20			-0.000140	± 2.5	PASS
3.8	-10			-0.001854	± 2.5	PASS
3.8	0			-0.000055	± 2.5	PASS
3.8	10			-0.001340	± 2.5	PASS
3.8	20			-0.000804	± 2.5	PASS
3.8	30			-0.001438	± 2.5	PASS
3.8	40			-0.001747	± 2.5	PASS
3.8	50			-0.001585	± 2.5	PASS
MCH	3.8		-30	-0.001643	± 2.5	PASS
	3.8		-20	-0.001655	± 2.5	PASS
	3.8		-10	-0.000543	± 2.5	PASS
	3.8		0	-0.001181	± 2.5	PASS
	3.8		10	-0.000562	± 2.5	PASS
	3.8		20	-0.000951	± 2.5	PASS
	3.8		30	-0.002207	± 2.5	PASS
	3.8		40	-0.002541	± 2.5	PASS
	3.8		50	-0.002473	± 2.5	PASS
HCH	3.8		-30	-0.000521	± 2.5	PASS
	3.8		-20	-0.000274	± 2.5	PASS
	3.8		-10	-0.000726	± 2.5	PASS
	3.8		0	-0.000337	± 2.5	PASS
	3.8		10	-0.000541	± 2.5	PASS
	3.8		20	-0.002675	± 2.5	PASS
	3.8		30	-0.002398	± 2.5	PASS
	3.8		40	-0.000562	± 2.5	PASS
	3.8		50	-0.001266	± 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	-42.37	-13.00	PASS
5552.1	V	-45.51		
-	V	-		
3701.4	Horizontal	-37.92		
5552.1	H	-41.26		
-	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	-42.05	-13.00	PASS
5640	V	-47.47		
-	V	-		
3760	Horizontal	-40.21		
5640	H	-46.40		
-	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	-42.95	-13.00	PASS
5727.9	V	-46.67		
-	V	-		
3818.6	Horizontal	-40.37		
5727.9	H	-44.31		
-	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	-44.63	-13.00	PASS
5552.1	V	-47.75		
-	V	-		
3701.4	Horizontal	-40.55		
5552.1	H	-45.41		
-	H	-		
<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	-41.27	-13.00	PASS
5640	V	-46.43		
-	V	-		
3760	Horizontal	-40.47		
5640	H	-45.36		
-	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	-41.31	-13.00	PASS
5727.9	V	-47.28		
-	V	-		
3818.6	Horizontal	-40.04		
5727.9	H	-44.78		
-	H	-		

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