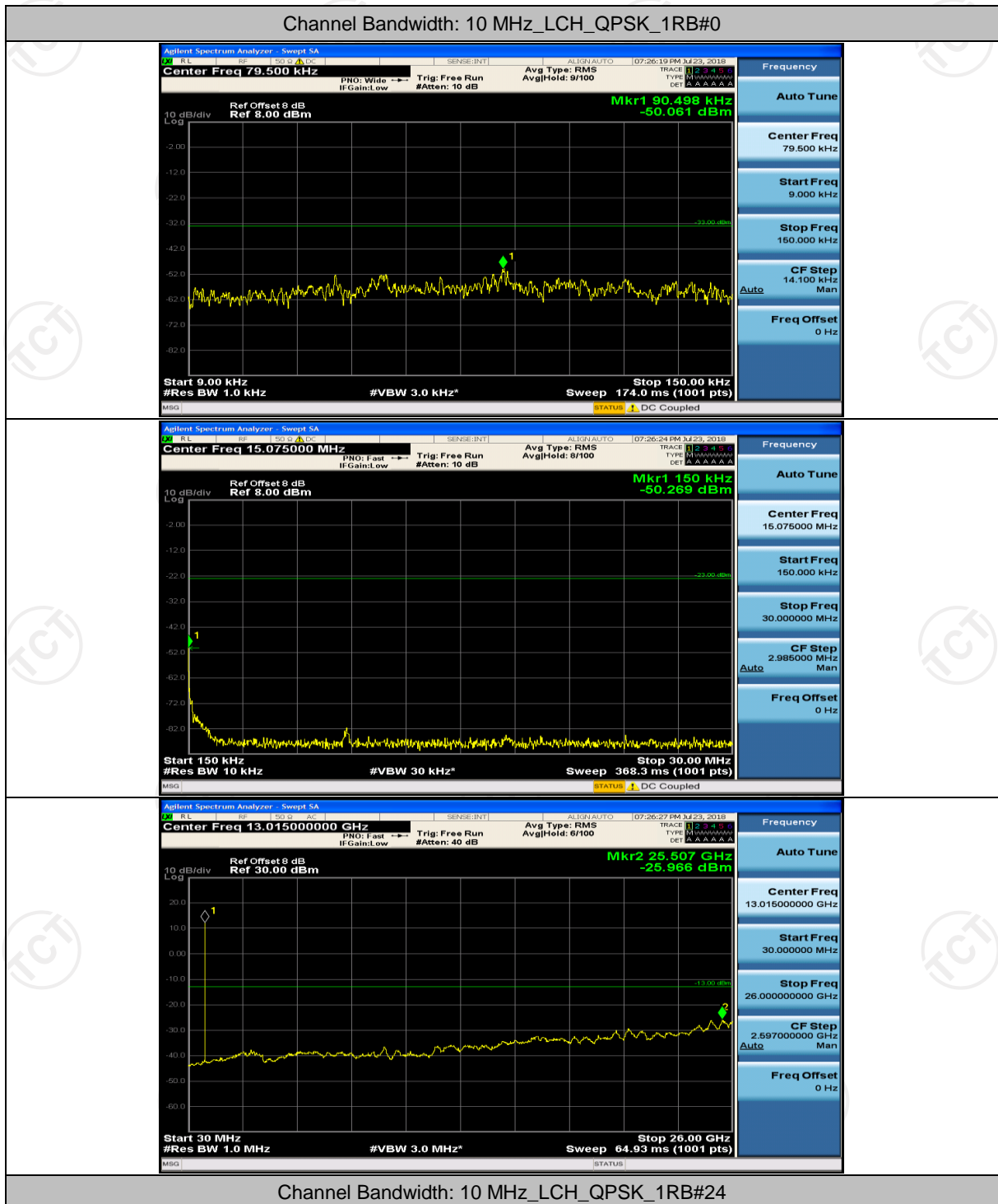
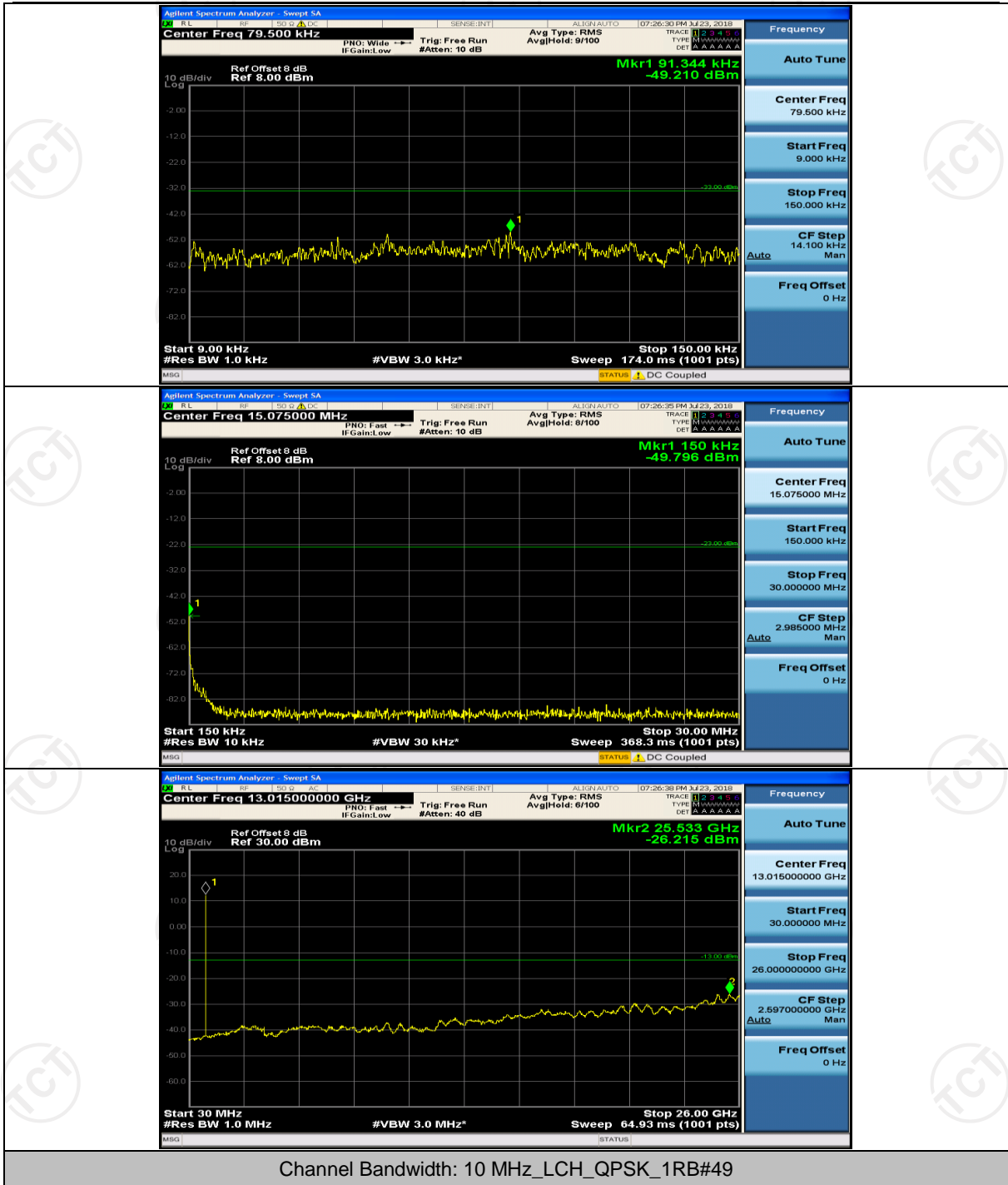
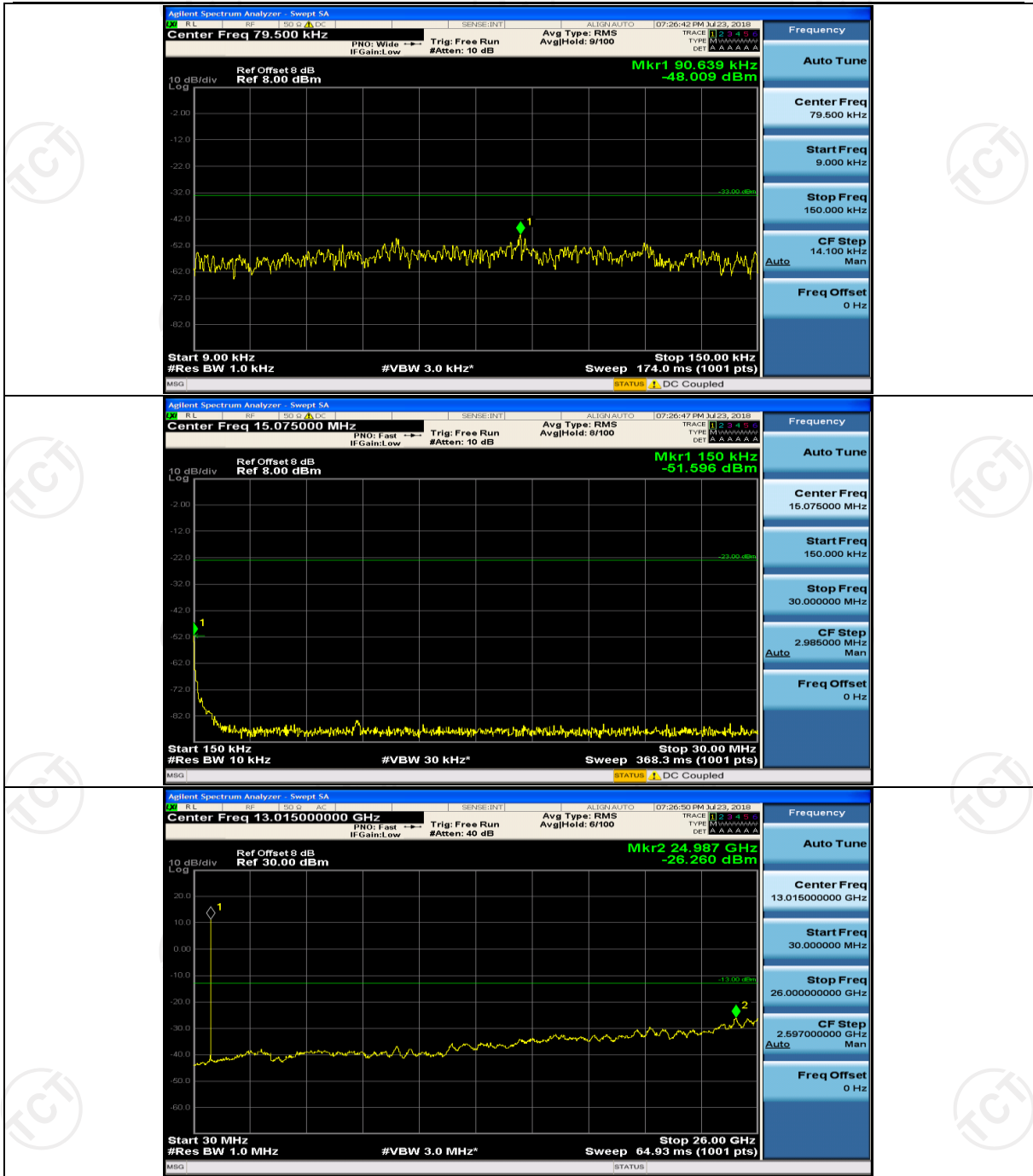
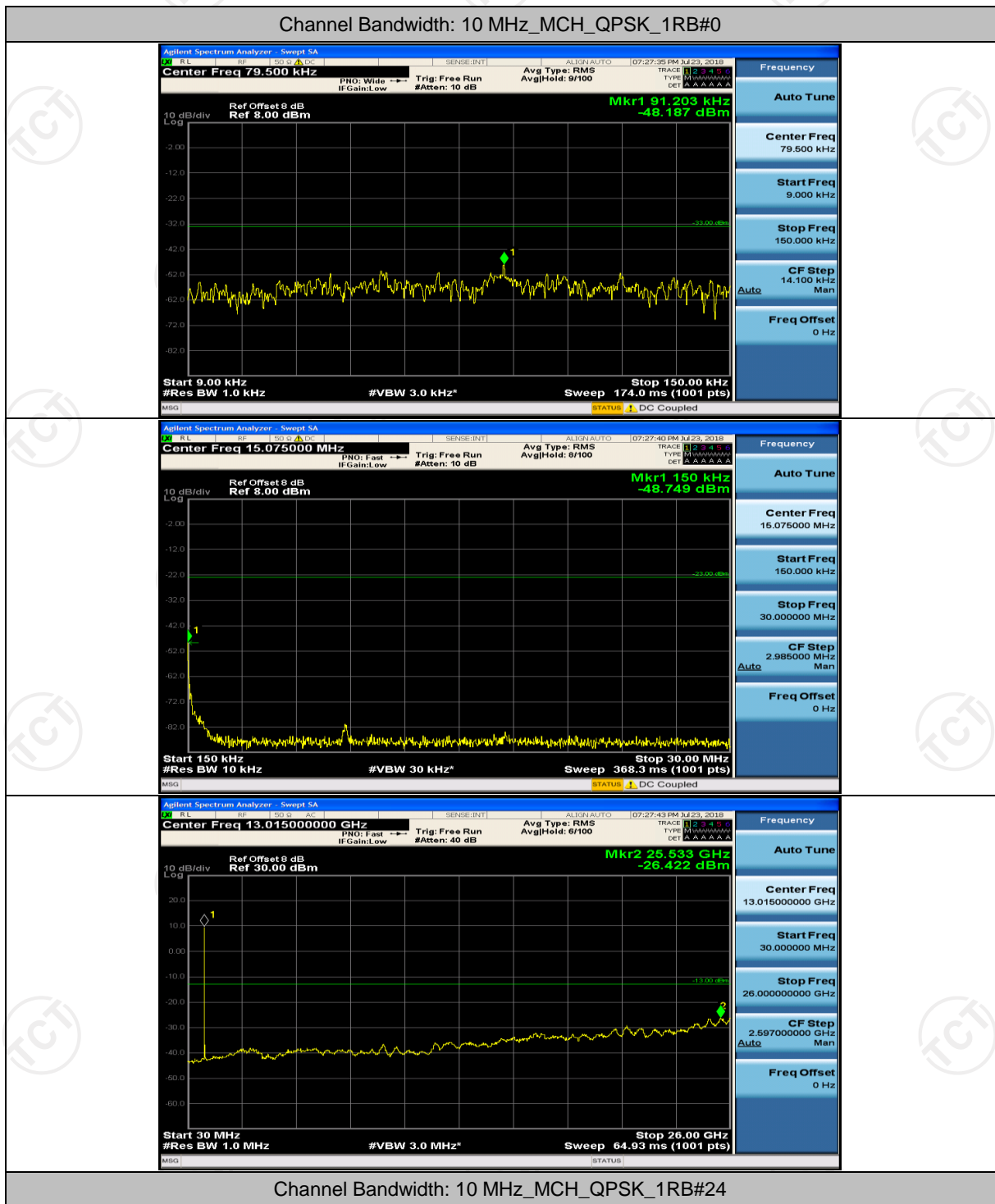


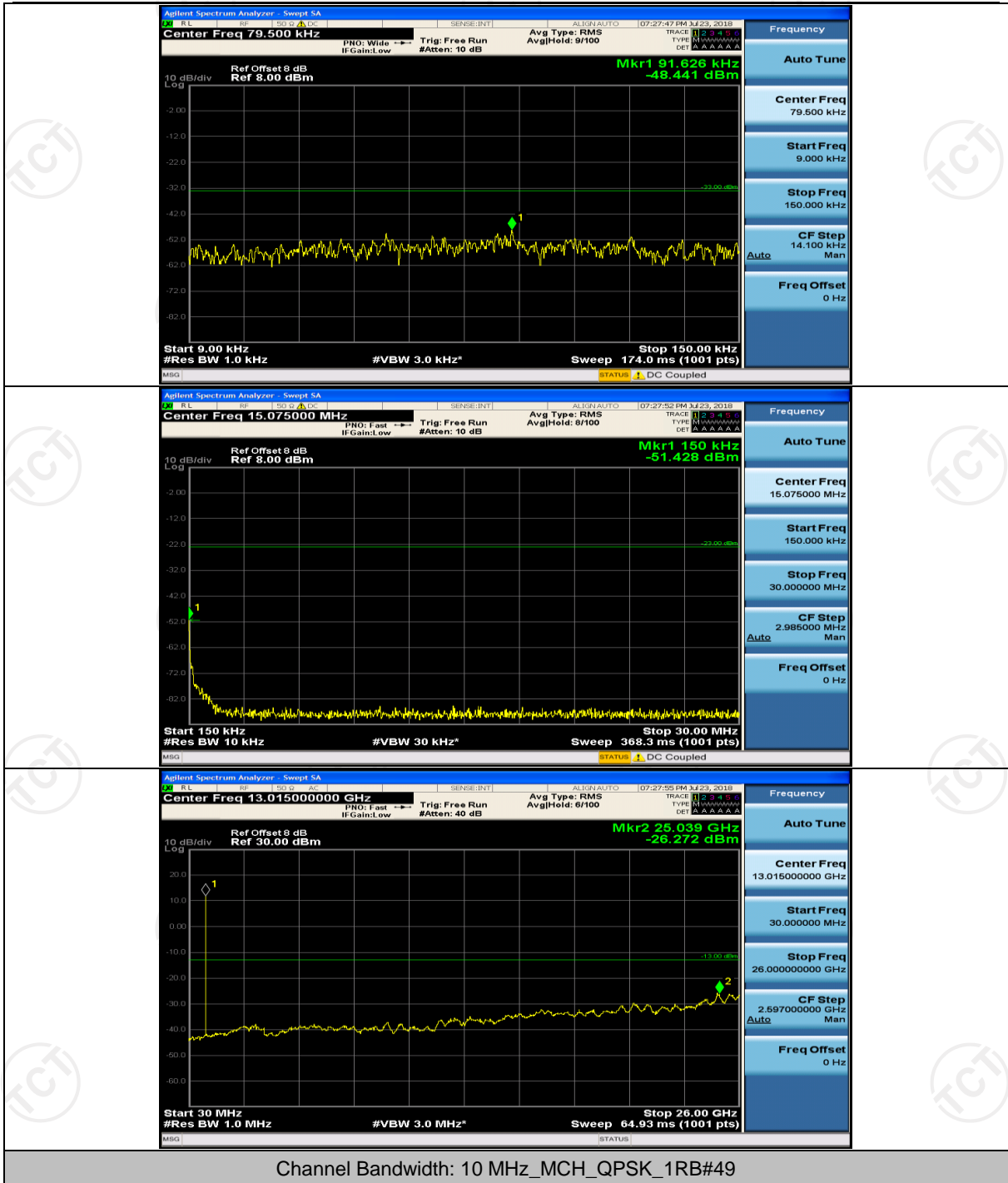
## Channel Bandwidth: 10 MHz

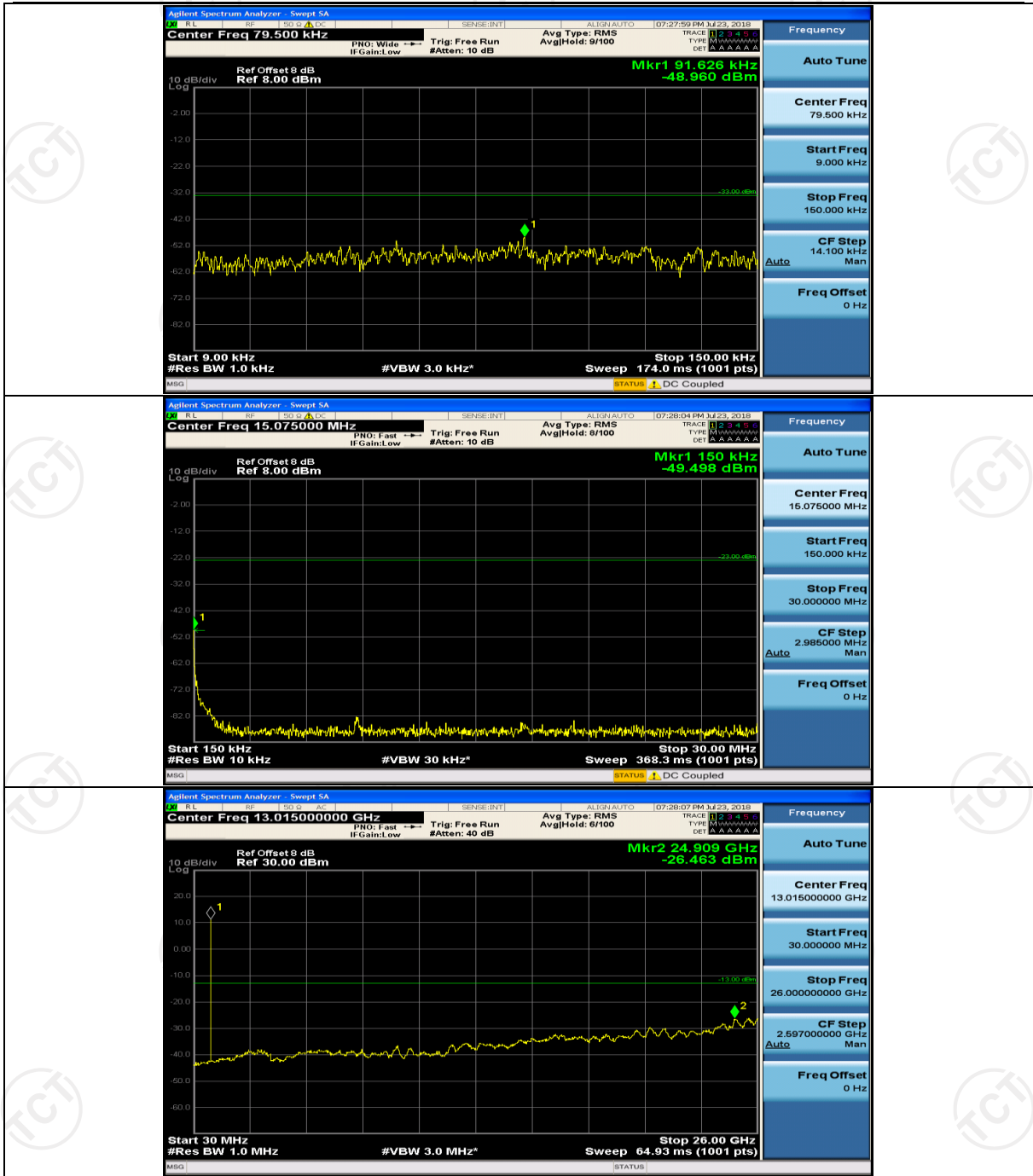




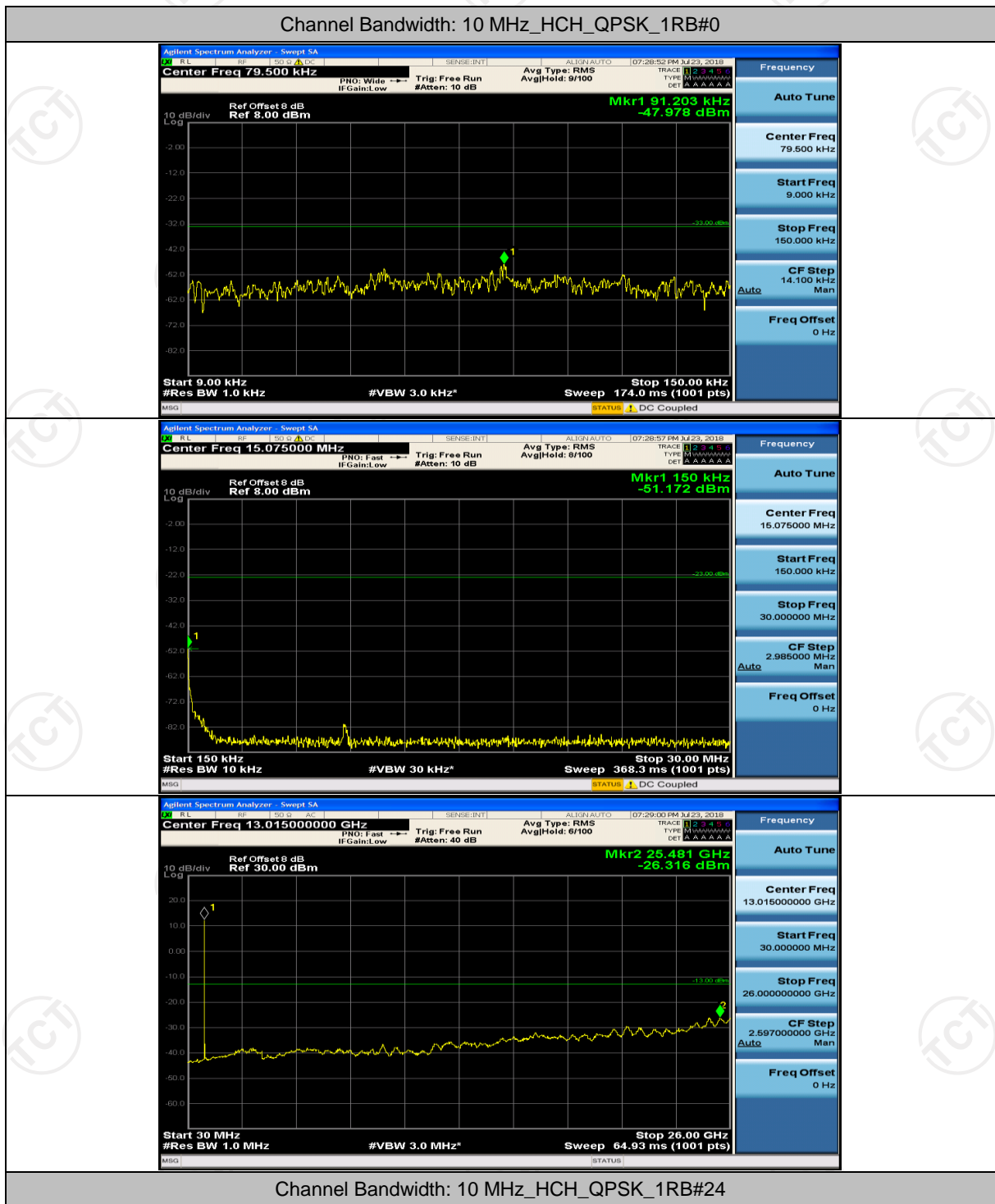




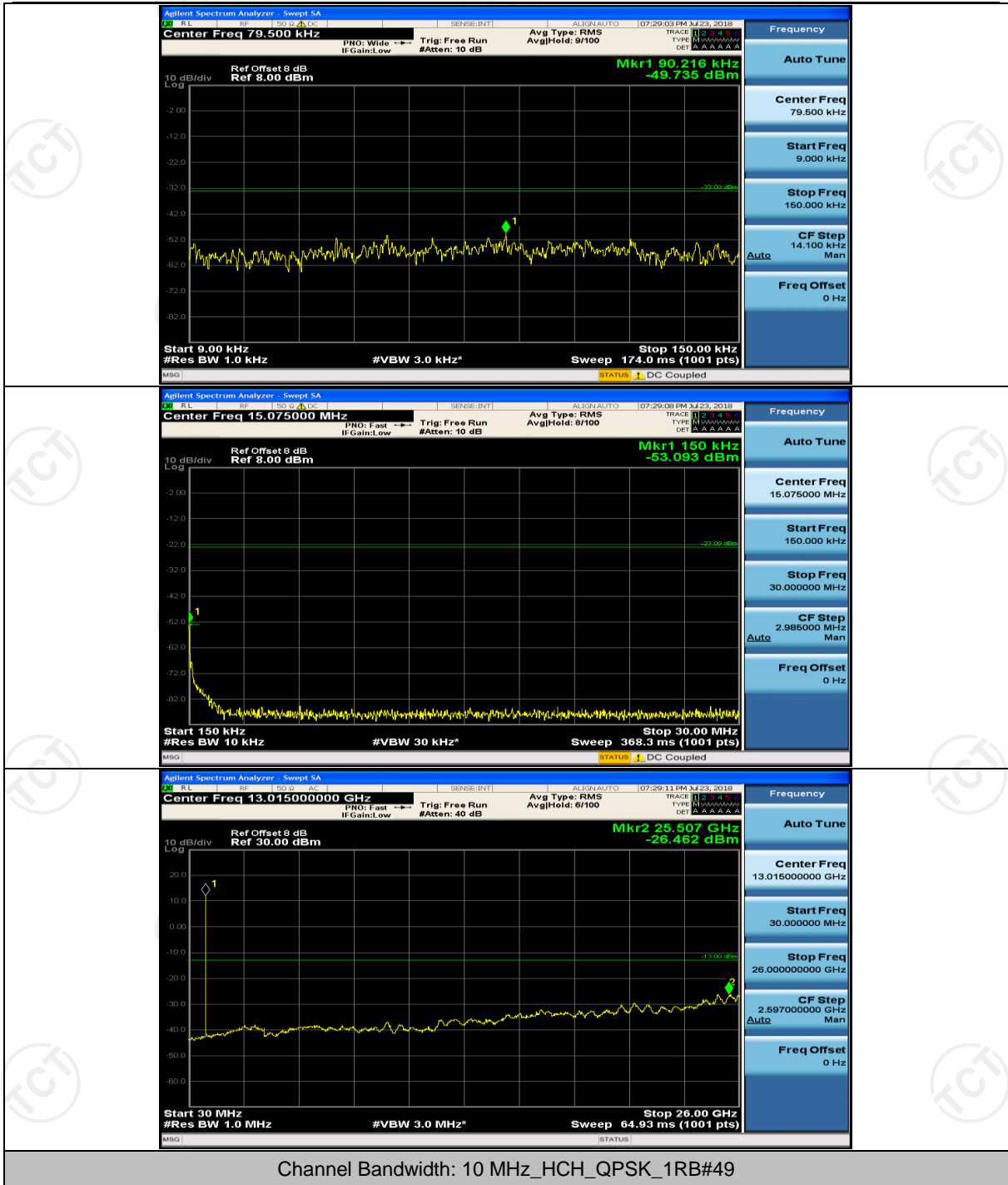


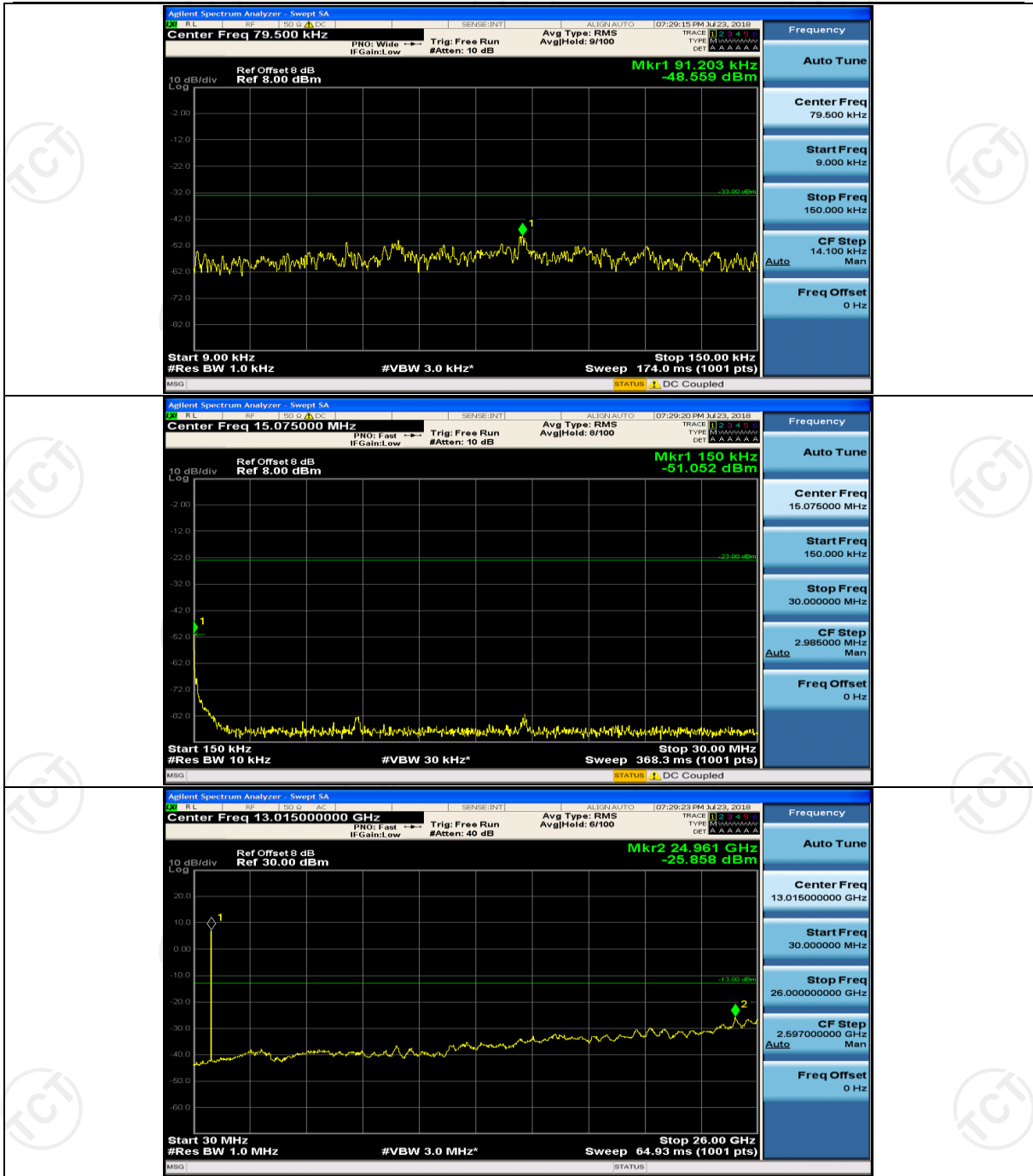


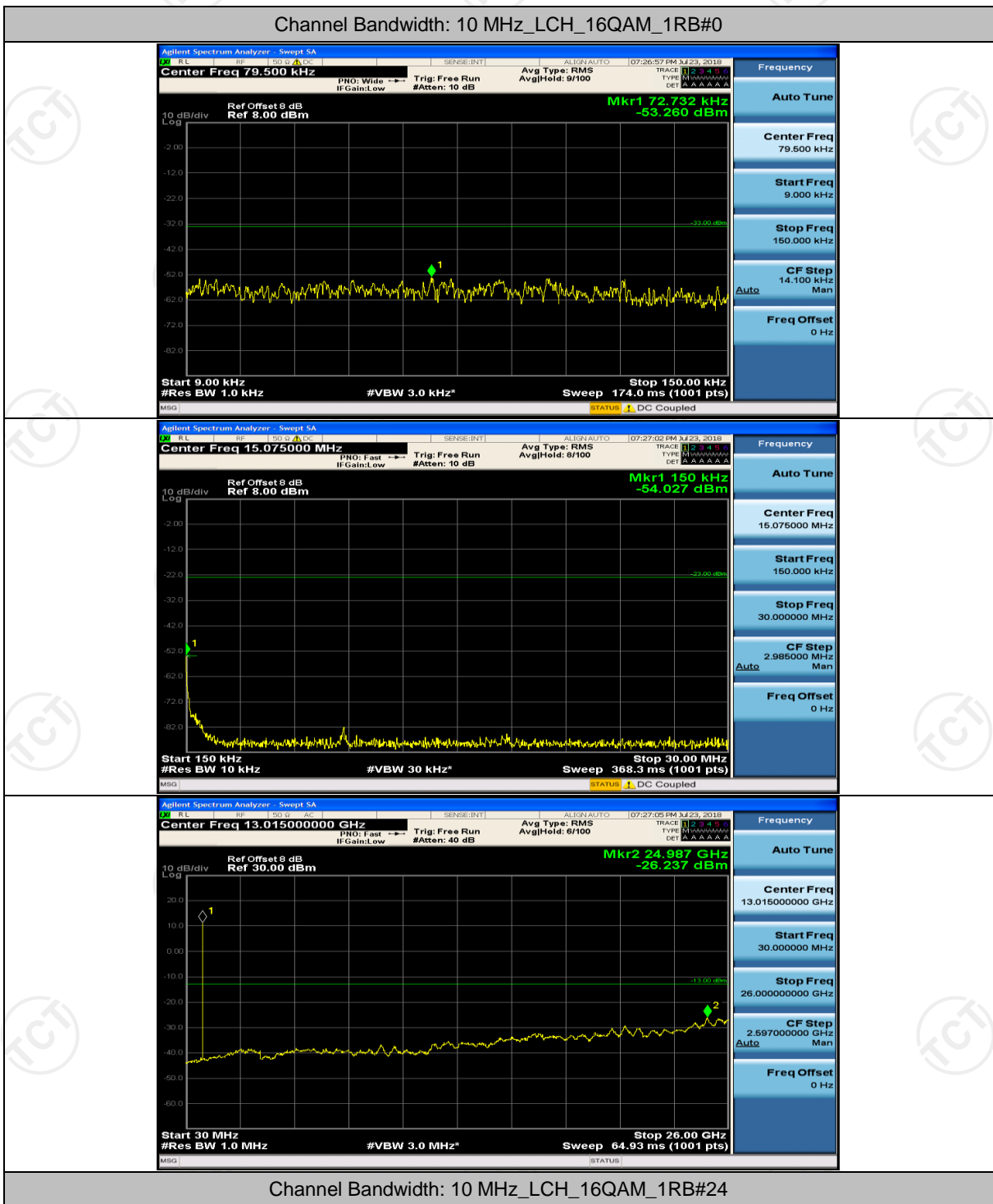


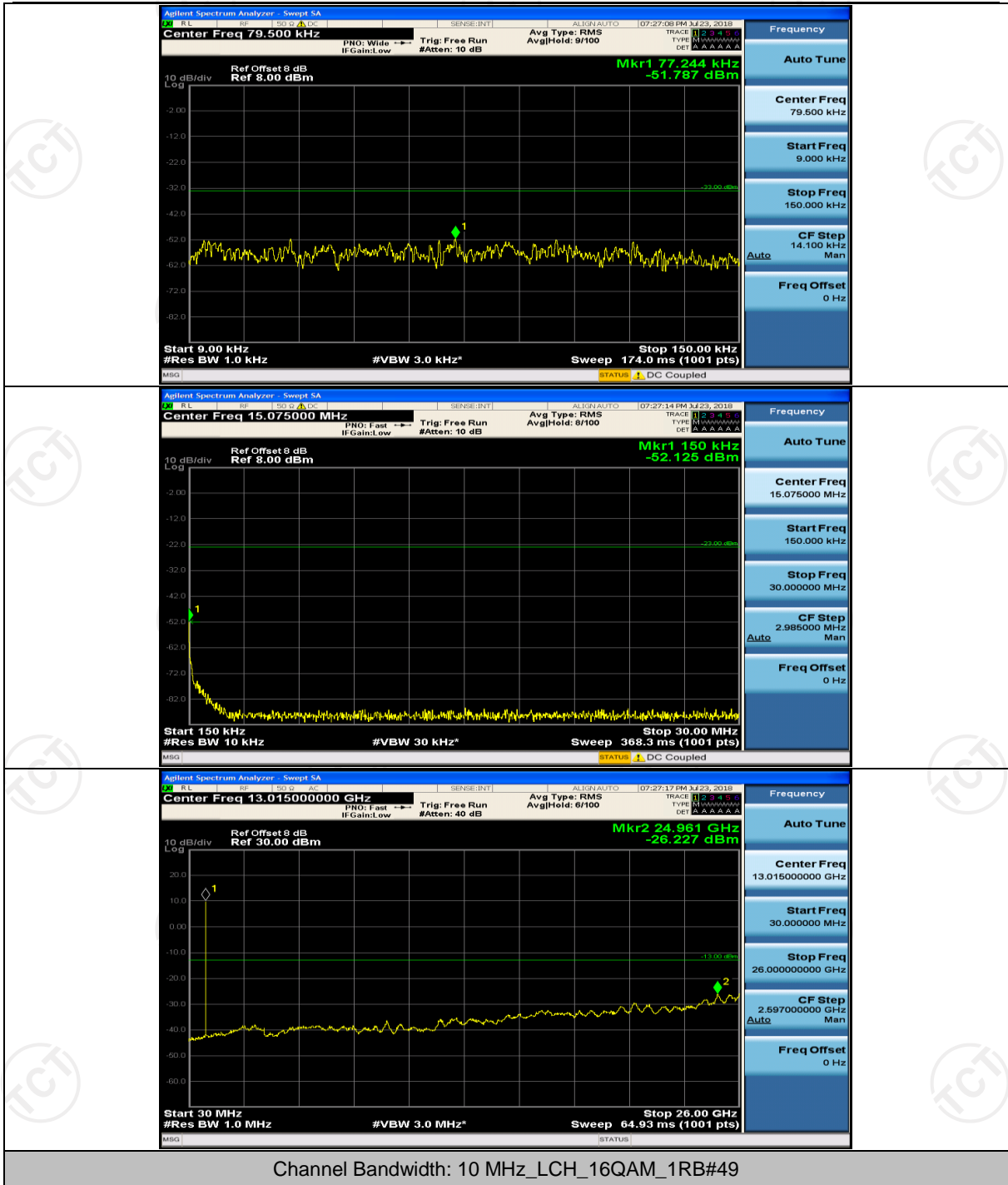


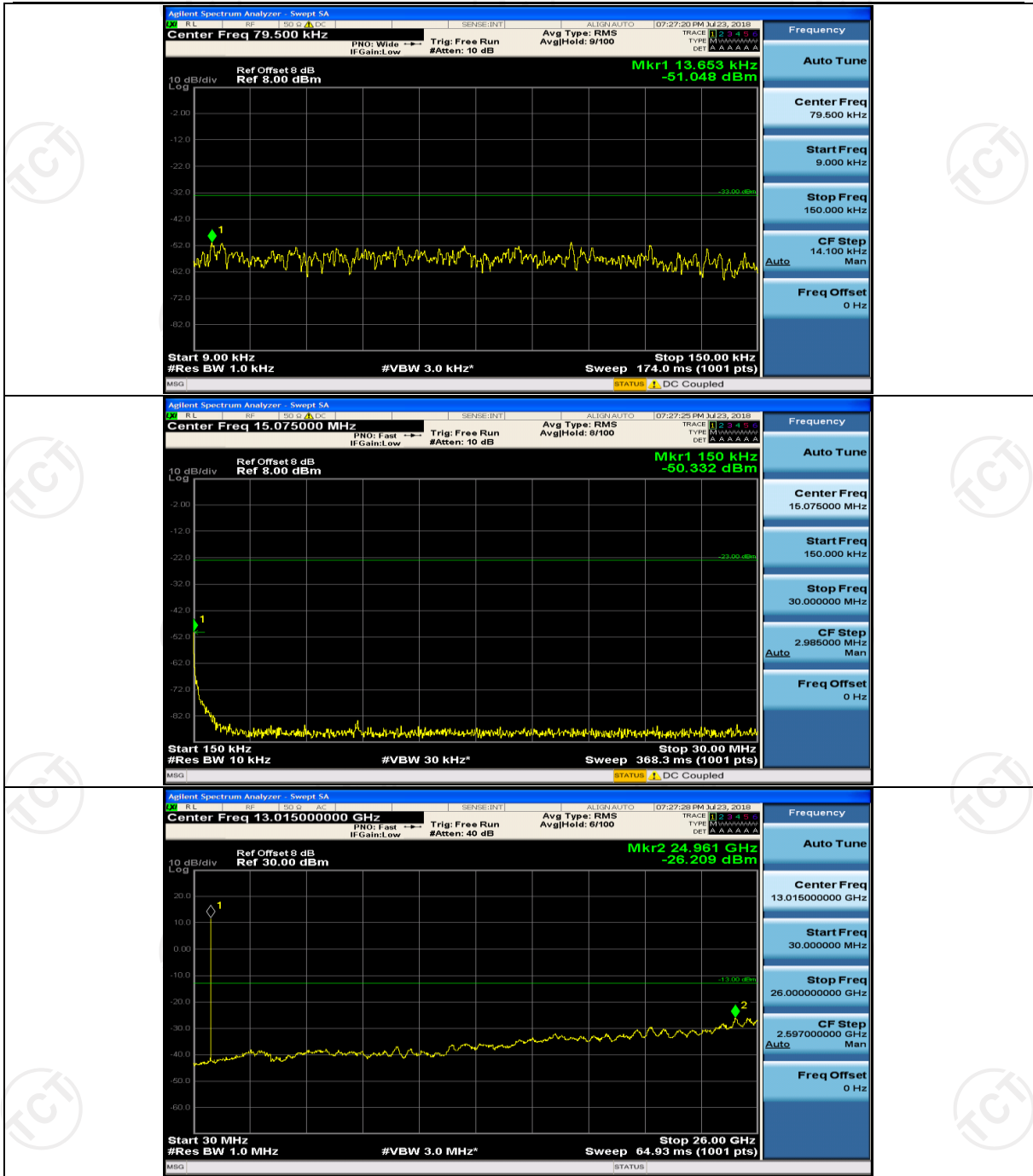


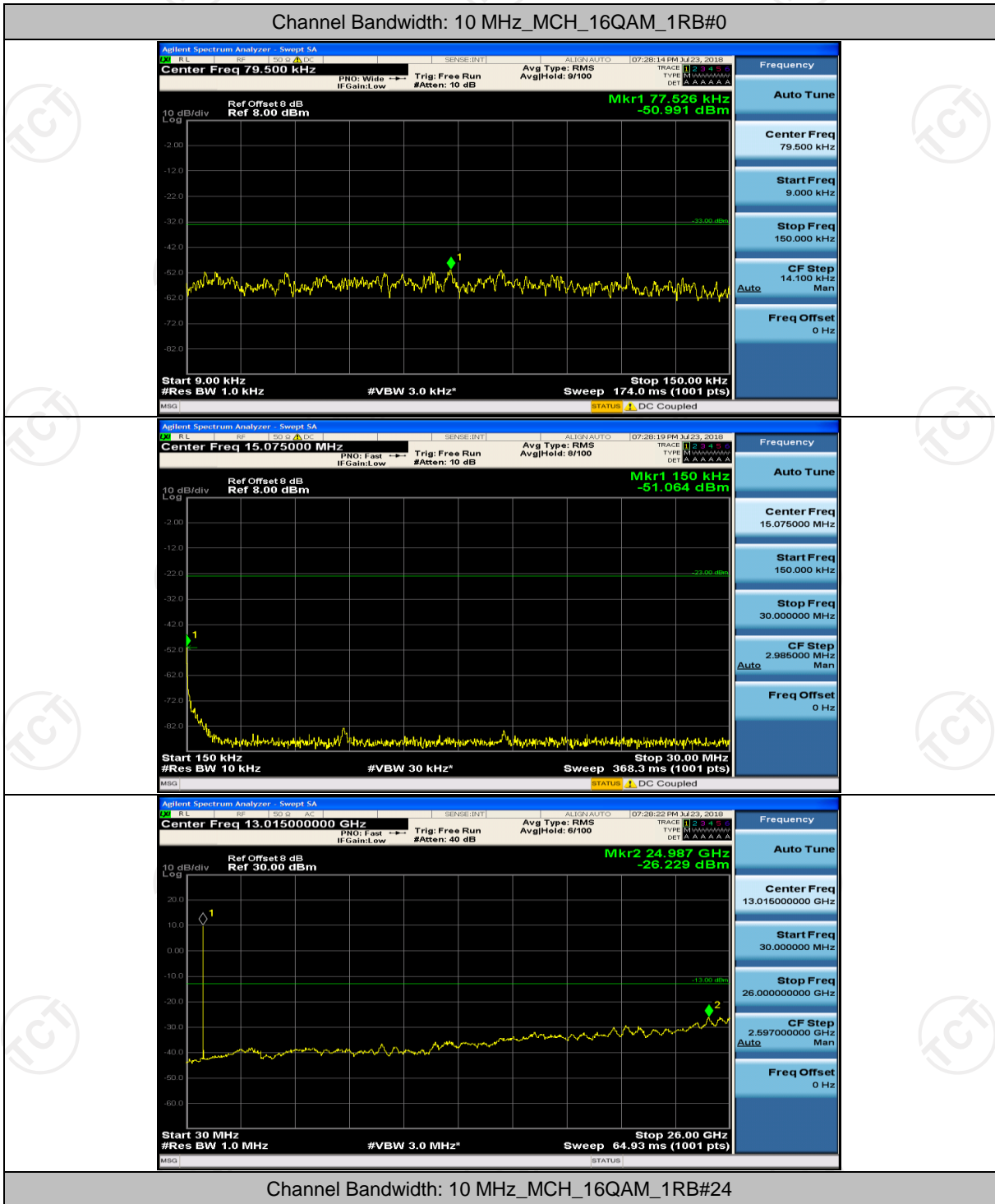


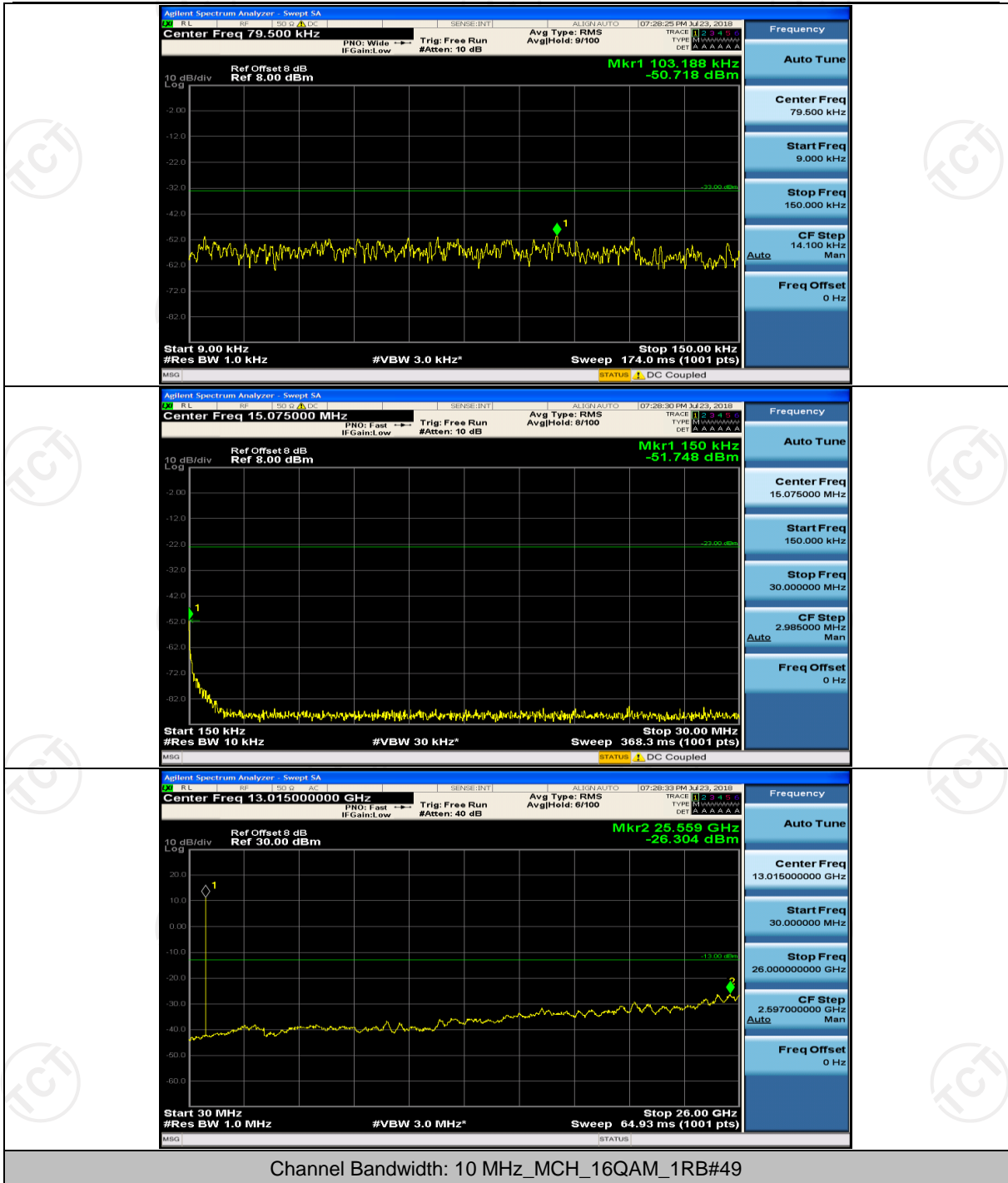




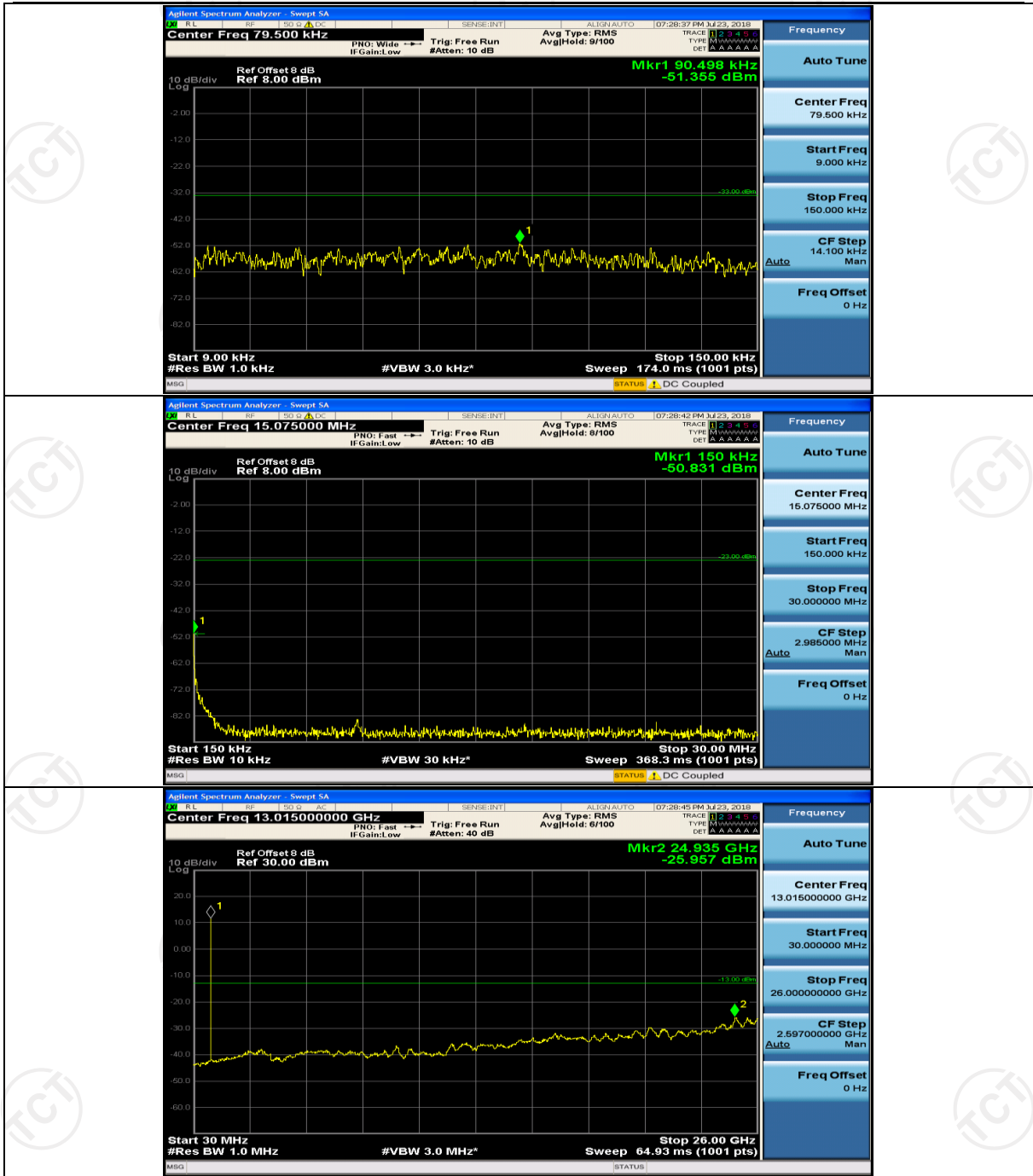


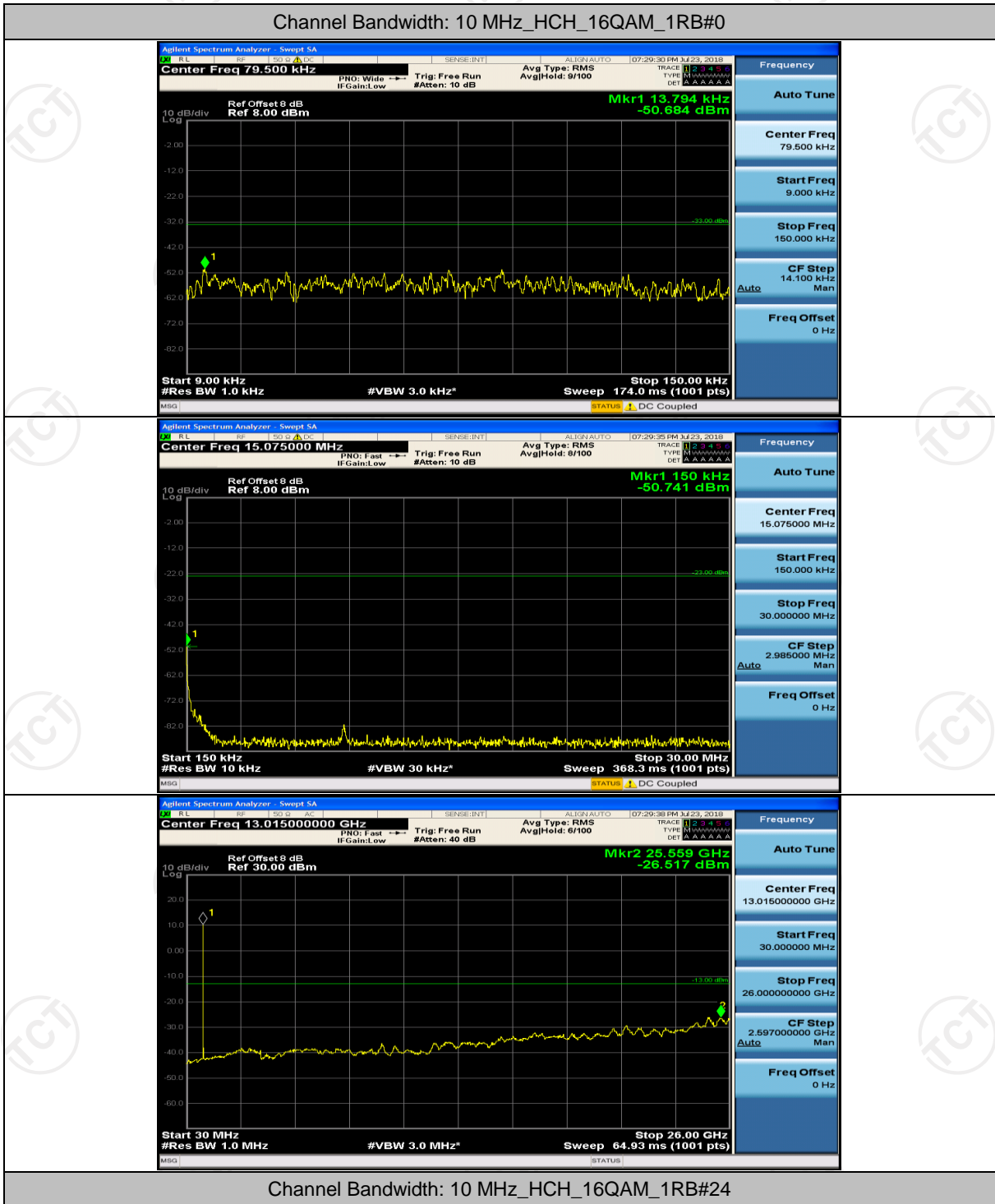


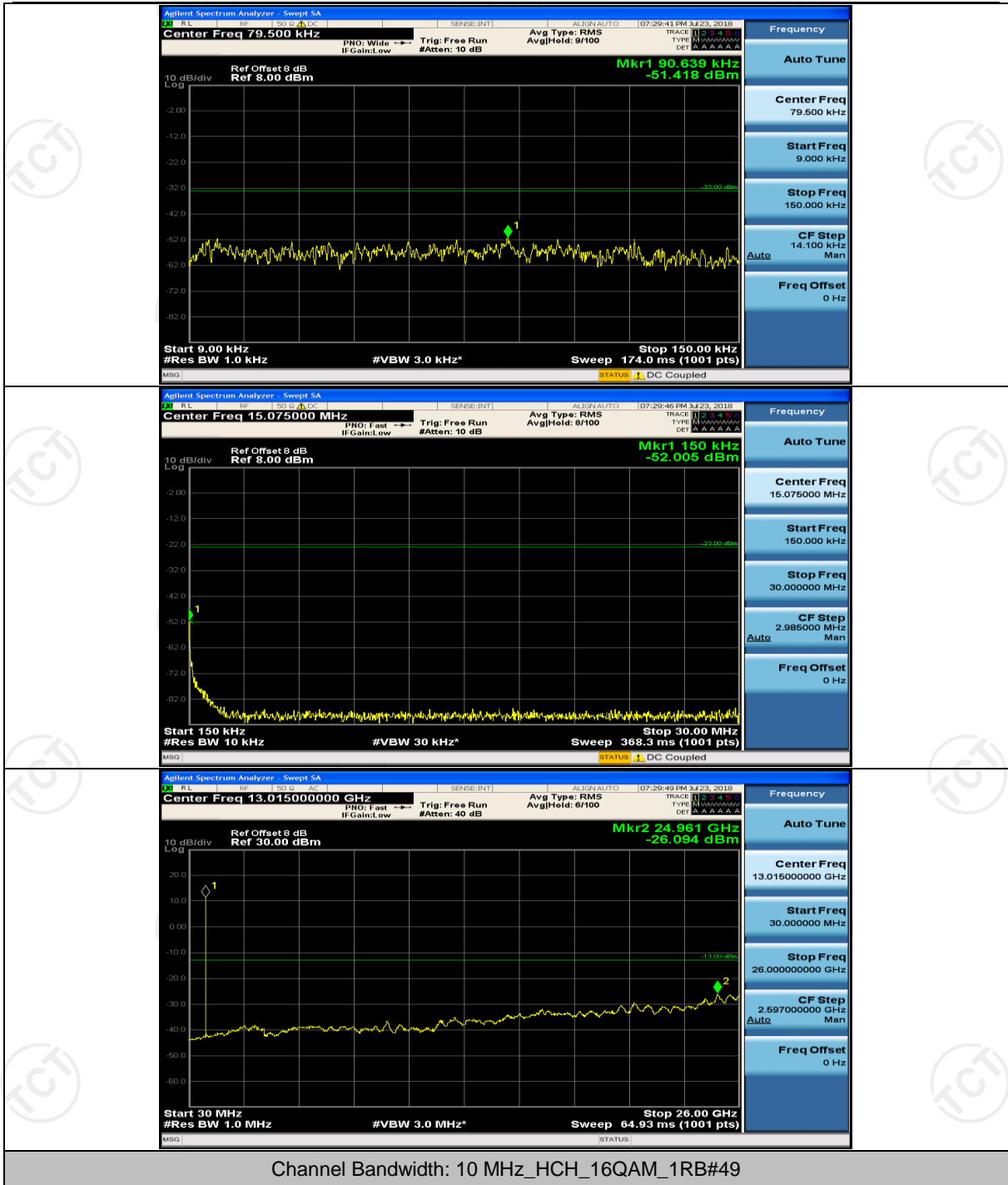


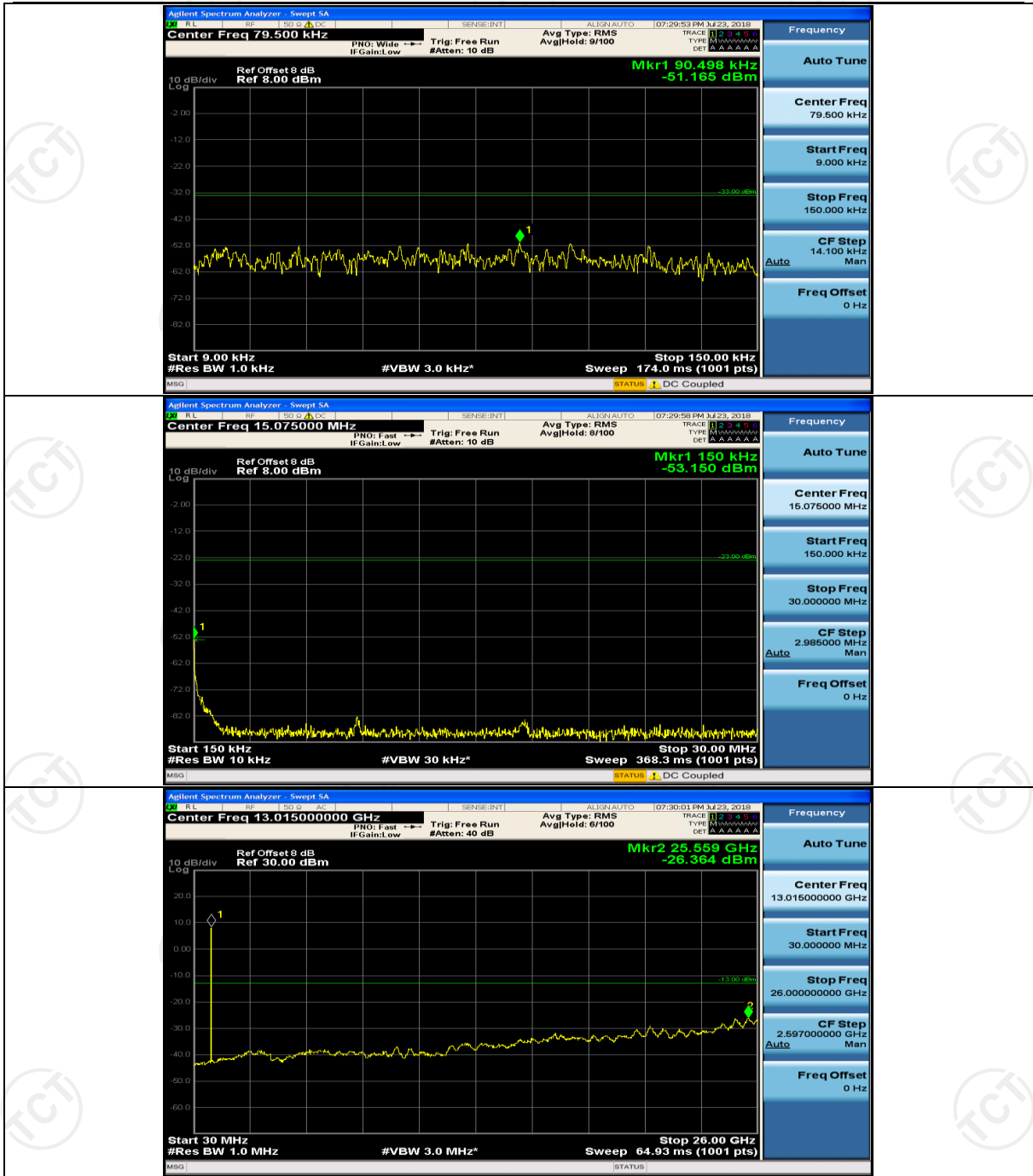












## Appendix F: Frequency Stability

### 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	3.5	25	-0.009947	± 2.5	PASS
		3.7	25	-0.000486	± 2.5	PASS
		4.2	25	-0.005054	± 2.5	PASS
	MCH	3.5	25	-0.014878	± 2.5	PASS
		3.7	25	-0.007969	± 2.5	PASS
		4.2	25	-0.004908	± 2.5	PASS
	HCH	3.5	25	-0.013301	± 2.5	PASS
		3.7	25	-0.010371	± 2.5	PASS
		4.2	25	-0.003278	± 2.5	PASS
16QAM	LCH	3.5	25	-0.003085	± 2.5	PASS
		3.7	25	-0.006609	± 2.5	PASS
		4.2	25	-0.003479	± 2.5	PASS
	MCH	3.5	25	-0.000496	± 2.5	PASS
		3.7	25	-0.008739	± 2.5	PASS
		4.2	25	-0.002018	± 2.5	PASS
	HCH	3.5	25	-0.005857	± 2.5	PASS
		3.7	25	-0.004418	± 2.5	PASS
		4.2	25	-0.000575	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-0.000104	± 2.5	PASS
		3.7	-20	-0.004904	± 2.5	PASS
		3.7	-10	-0.003310	± 2.5	PASS
		3.7	0	-0.004662	± 2.5	PASS
		3.7	10	0.002339	± 2.5	PASS
		3.7	20	-0.005846	± 2.5	PASS
		3.7	30	-0.002186	± 2.5	PASS
		3.7	40	-0.002238	± 2.5	PASS
		3.7	50	-0.001648	± 2.5	PASS
	MCH	3.7	-30	-0.001248	± 2.5	PASS
		3.7	-20	-0.010500	± 2.5	PASS
		3.7	-10	-0.015716	± 2.5	PASS
		3.7	0	-0.009782	± 2.5	PASS
		3.7	10	-0.011047	± 2.5	PASS
		3.7	20	-0.004002	± 2.5	PASS
3.7	30	-0.005147	± 2.5	PASS		

	HCH	3.7	40	-0.003164	± 2.5	PASS
		3.7	50	-0.006139	± 2.5	PASS
		3.7	-30	-0.001806	± 2.5	PASS
		3.7	-20	-0.003072	± 2.5	PASS
		3.7	-10	-0.008456	± 2.5	PASS
		3.7	0	-0.010549	± 2.5	PASS
		3.7	10	-0.005182	± 2.5	PASS
		3.7	20	-0.008280	± 2.5	PASS
		3.7	30	-0.006206	± 2.5	PASS
		3.7	40	-0.005734	± 2.5	PASS
		3.7	50	-0.006526	± 2.5	PASS
16QAM	LCH	3.7	-30	-0.000849	± 2.5	PASS
		3.7	-20	-0.008422	± 2.5	PASS
		3.7	-10	-0.008491	± 2.5	PASS
		3.7	0	-0.011108	± 2.5	PASS
		3.7	10	-0.004731	± 2.5	PASS
		3.7	20	0.000191	± 2.5	PASS
		3.7	30	-0.004076	± 2.5	PASS
		3.7	40	-0.007650	± 2.5	PASS
	MCH	3.7	50	-0.004874	± 2.5	PASS
		3.7	-30	-0.000701	± 2.5	PASS
		3.7	-20	-0.000855	± 2.5	PASS
		3.7	-10	-0.004361	± 2.5	PASS
		3.7	0	-0.002531	± 2.5	PASS
		3.7	10	-0.003950	± 2.5	PASS
		3.7	20	-0.009149	± 2.5	PASS
		3.7	30	-0.007884	± 2.5	PASS
	HCH	3.7	40	-0.007559	± 2.5	PASS
		3.7	50	-0.000496	± 2.5	PASS
		3.7	-30	-0.002059	± 2.5	PASS
		3.7	-20	-0.010651	± 2.5	PASS
		3.7	-10	-0.005334	± 2.5	PASS
		3.7	0	-0.010364	± 2.5	PASS
		3.7	10	-0.013976	± 2.5	PASS
		3.7	20	-0.003305	± 2.5	PASS
	3.7	30	-0.007943	± 2.5	PASS	
	3.7	40	-0.004536	± 2.5	PASS	
	3.7	50	-0.004064	± 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)		
1649.4	Vertical	-38.45	-13.00	PASS
2474.1	V	-47.94		
-	V	-		
1649.4	Horizontal	-40.60		
2474.1	H	-48.15		
-	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)		
1673	Vertical	-39.74	-13.00	PASS
2509.5	V	-49.98		
-	V	-		
1673	Horizontal	-40.42		
2509.5	H	-48.10		
-	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)		
1692.6	Vertical	-40.26	-13.00	PASS
2538.9	V	-46.64		
-	V	-		
1692.6	Horizontal	-39.74		
2538.9	H	-47.50		
-	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)		
1649.4	Vertical	-40.22	-13.00	PASS
2474.1	V	-48.47		
-	V	-		
1649.4	Horizontal	-41.35		
2474.1	H	-46.57		
-	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)		
1673	Vertical	-40.94	-13.00	PASS
2509.5	V	-48.47		
-	V	-		
1673	Horizontal	-41.84		
2509.5	H	-48.73		
-	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)		
1692.6	Vertical	-39.56	-13.00	PASS
2538.9	V	-46.17		
-	V	-		
1692.6	Horizontal	-40.51		
2538.9	H	-49.24		
-	H	-		

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