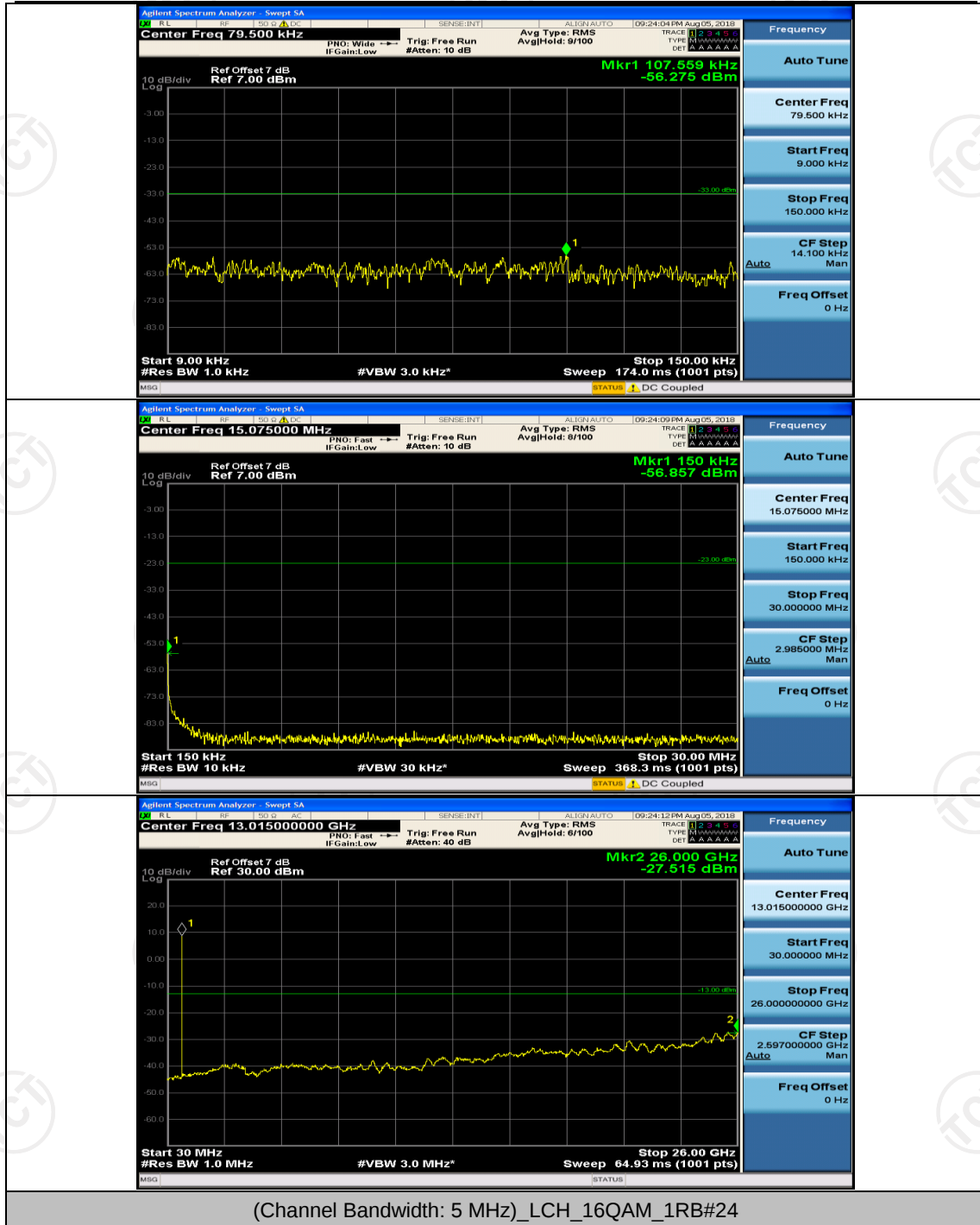
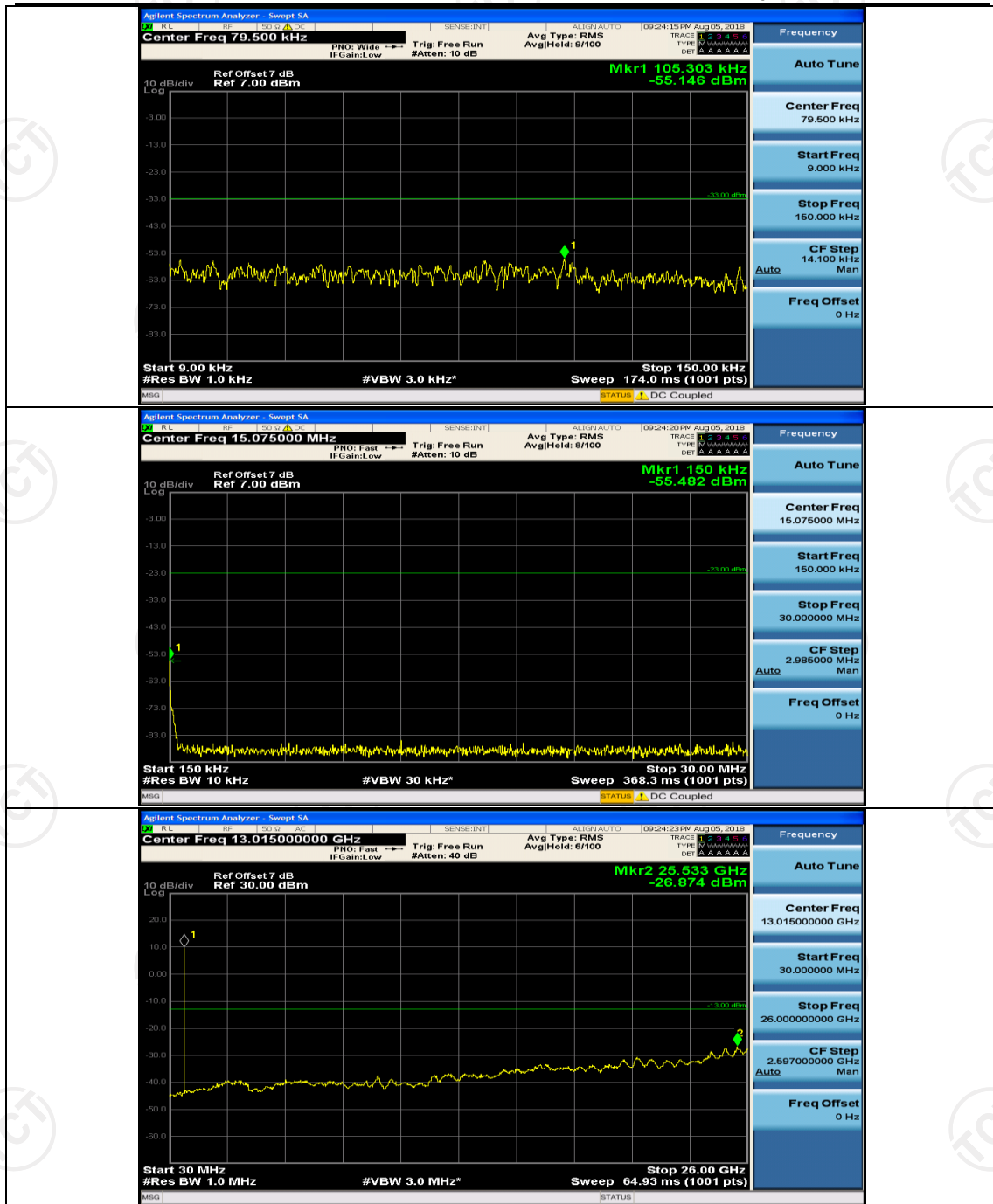
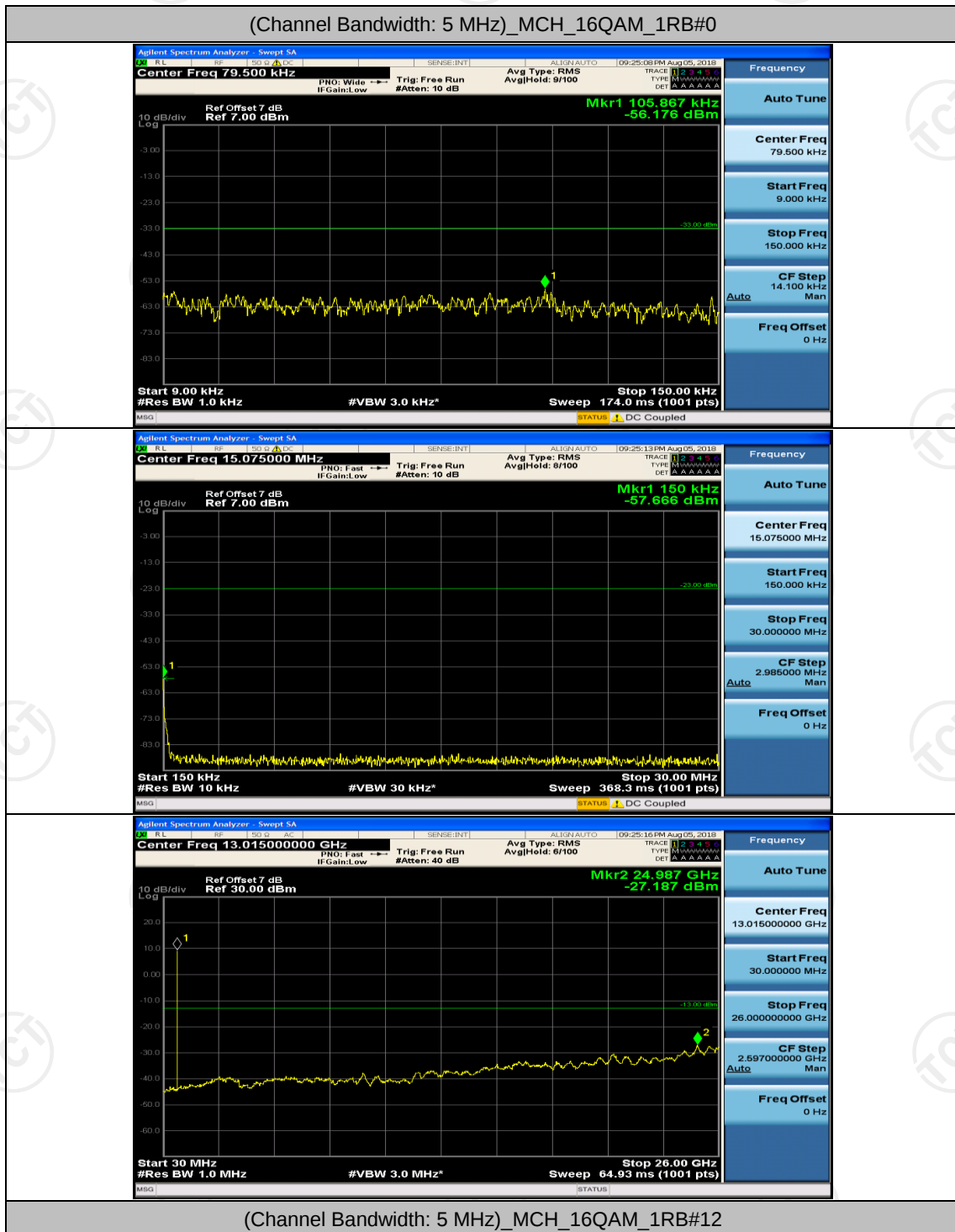
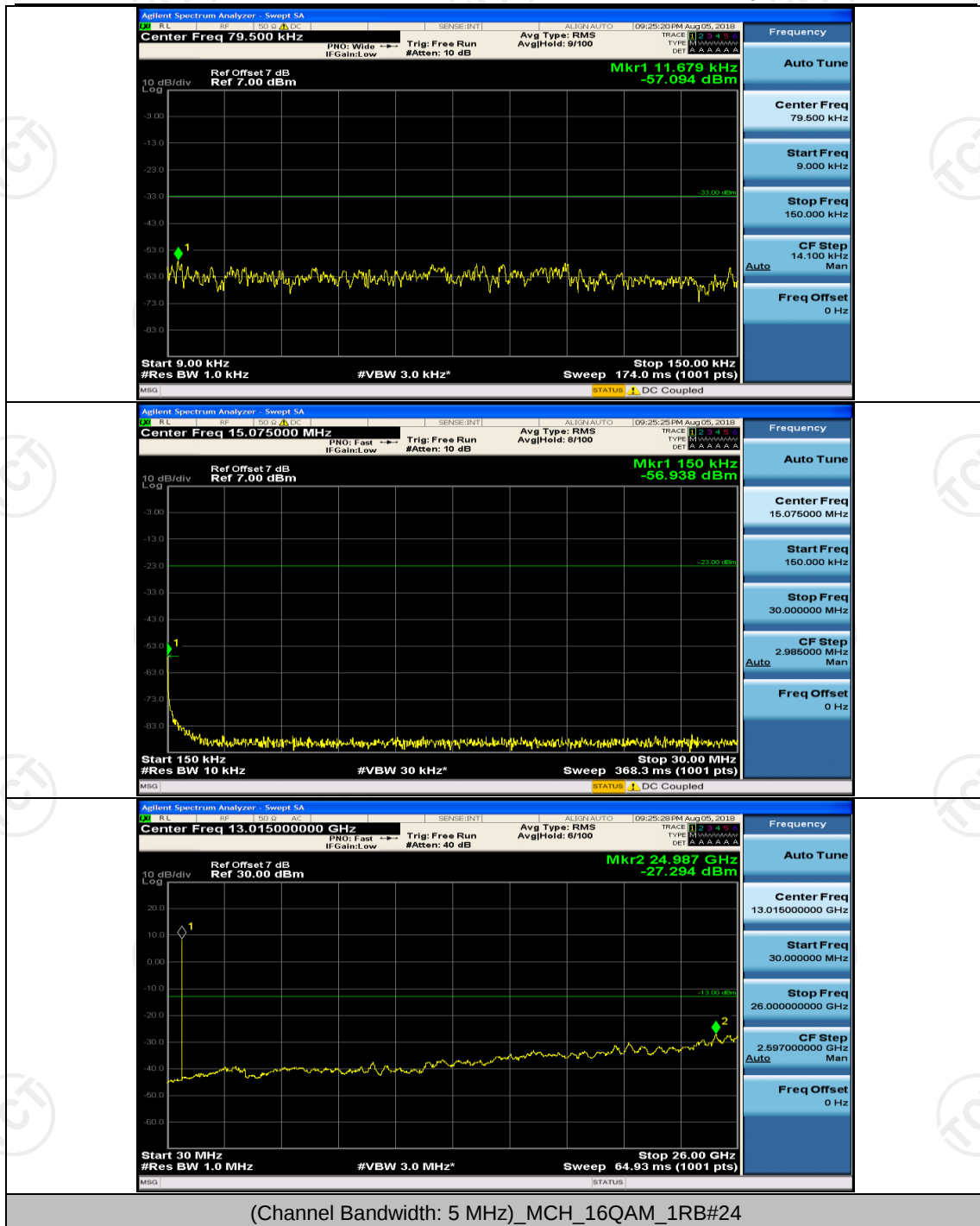
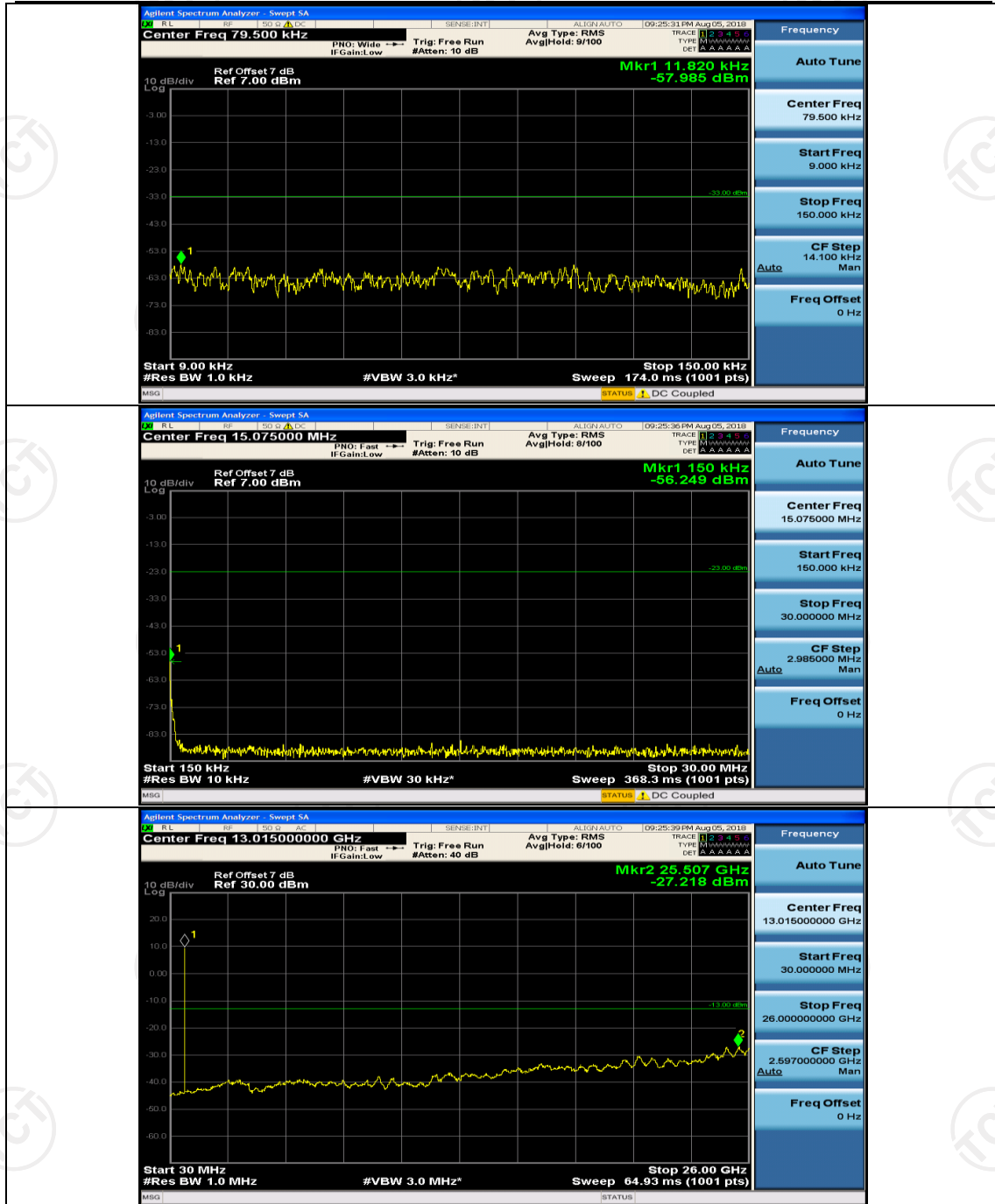


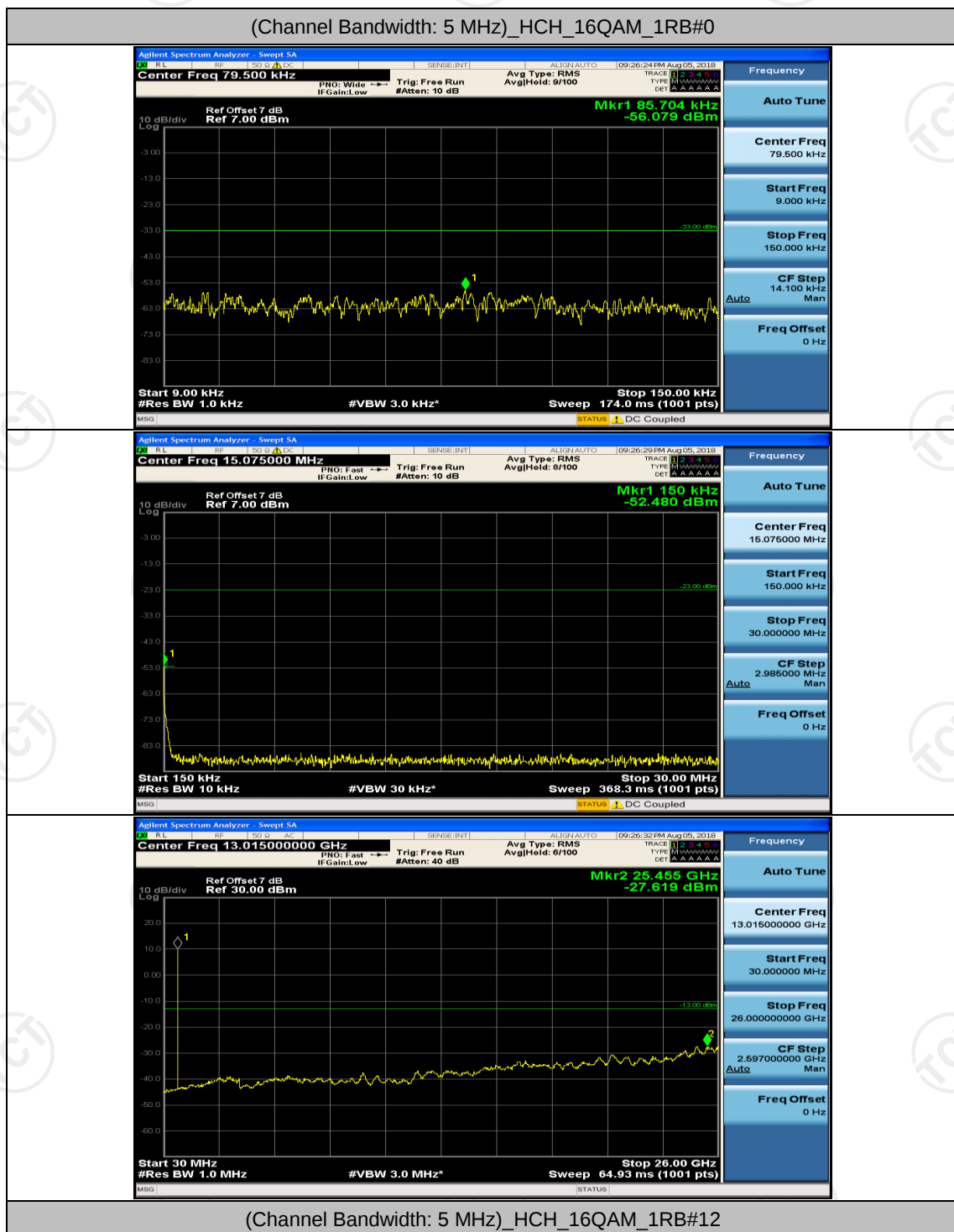


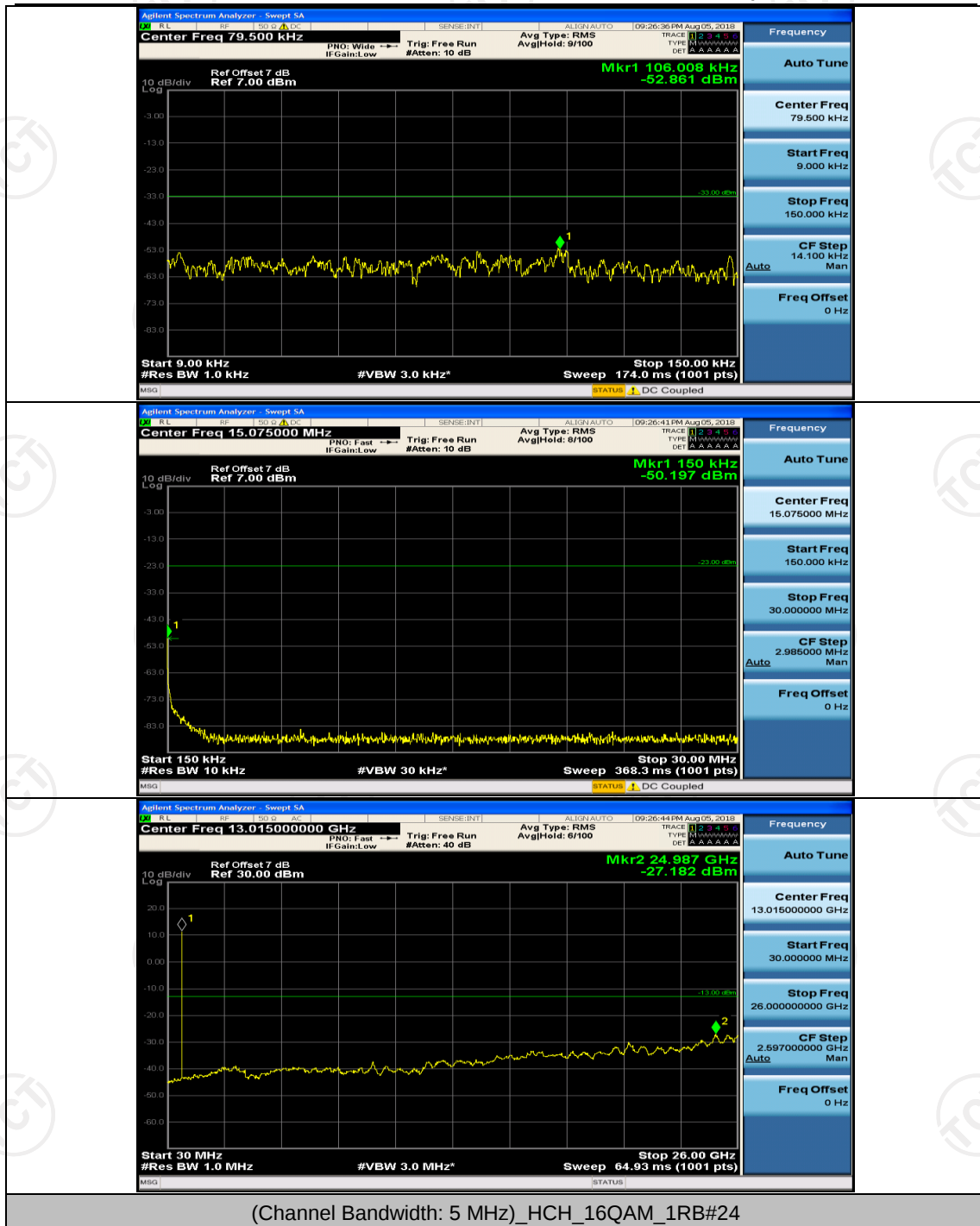


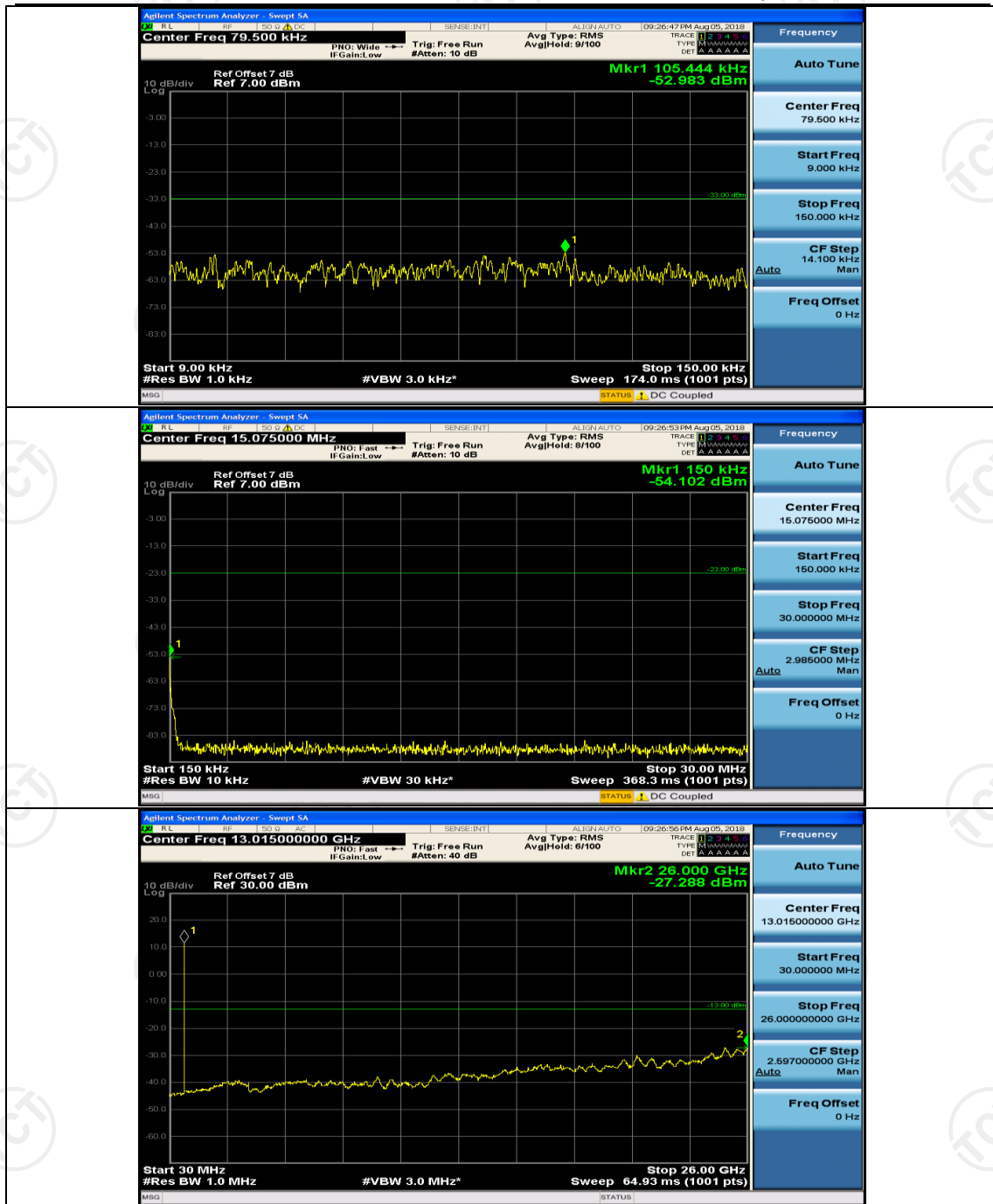




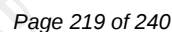


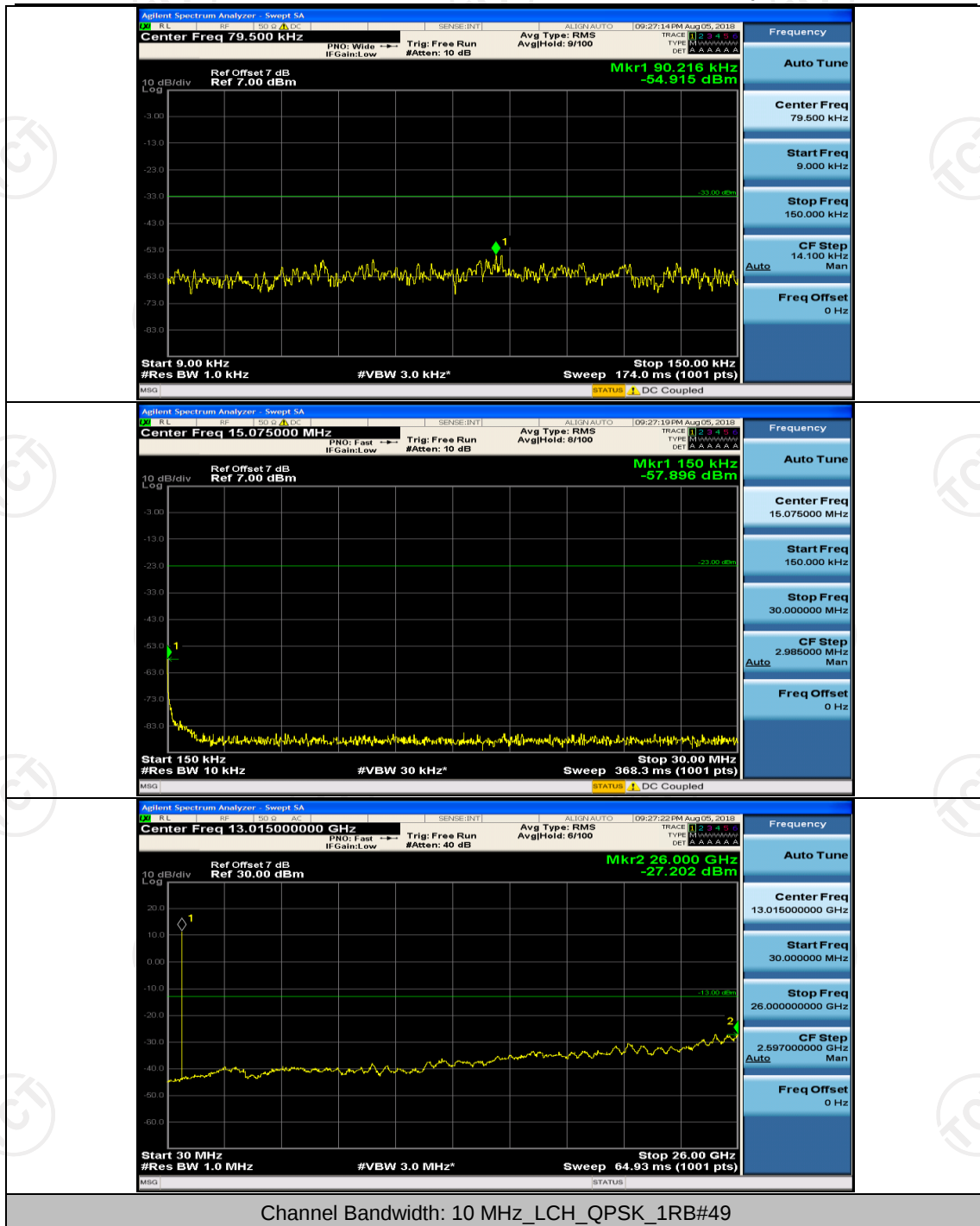


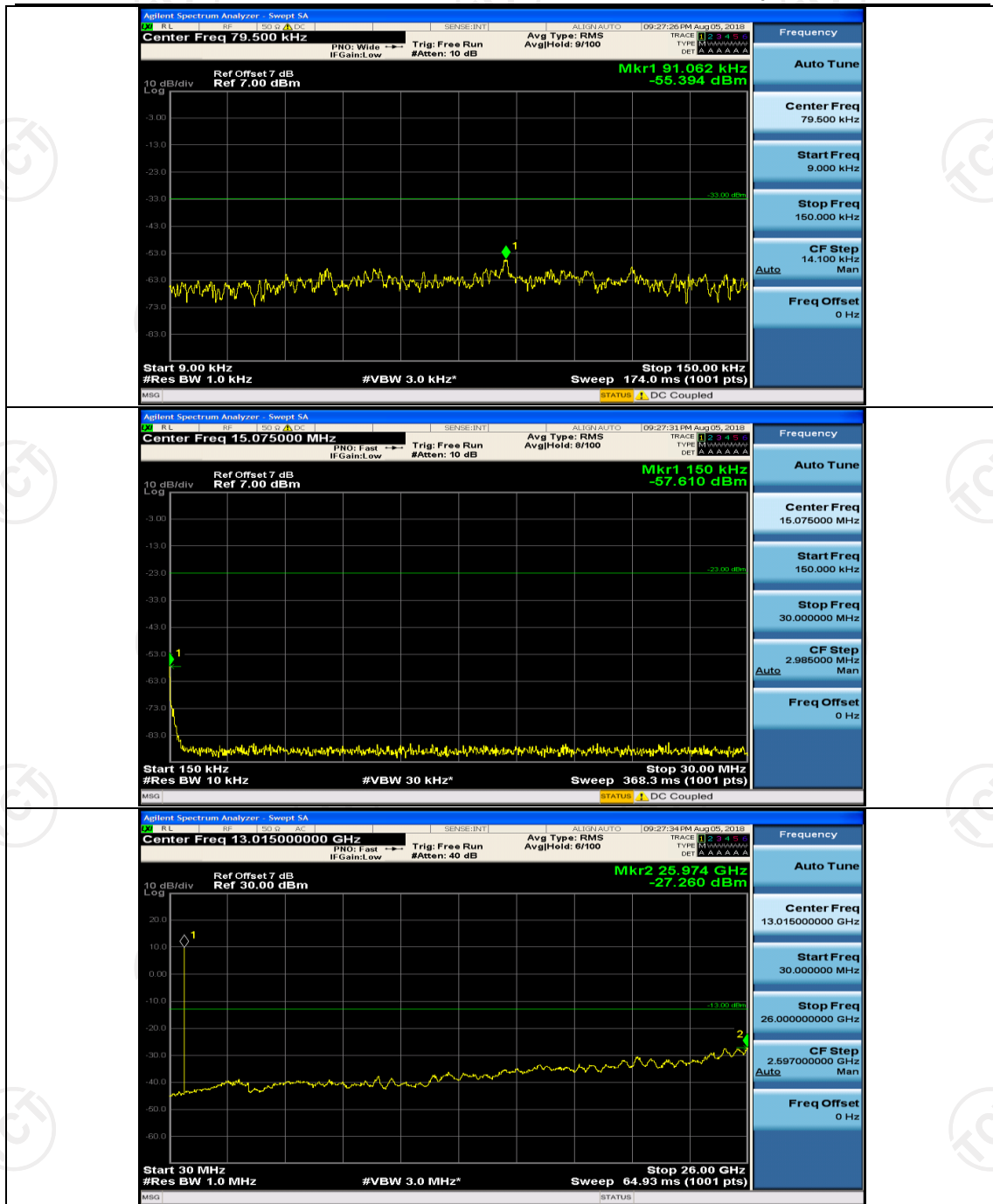


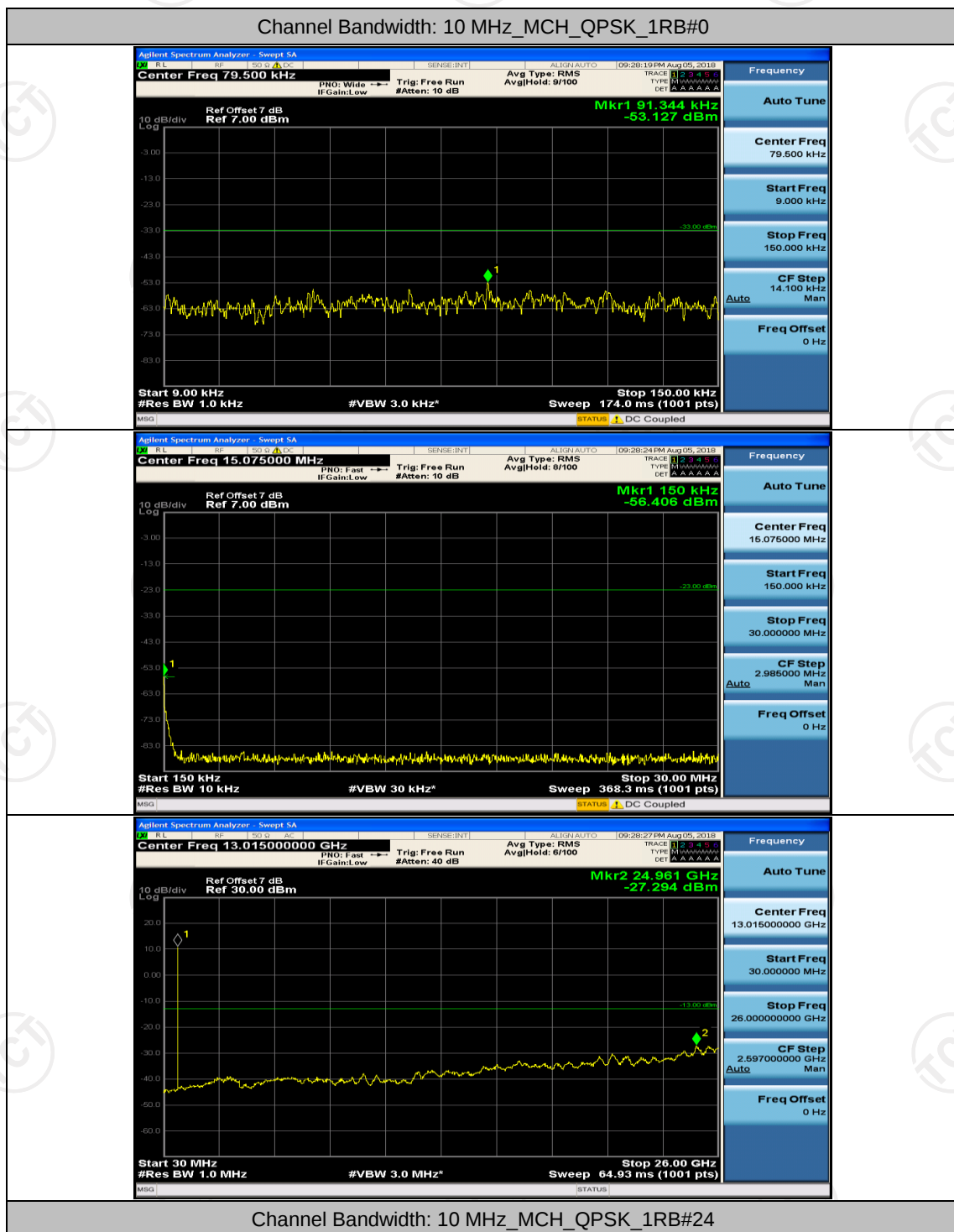


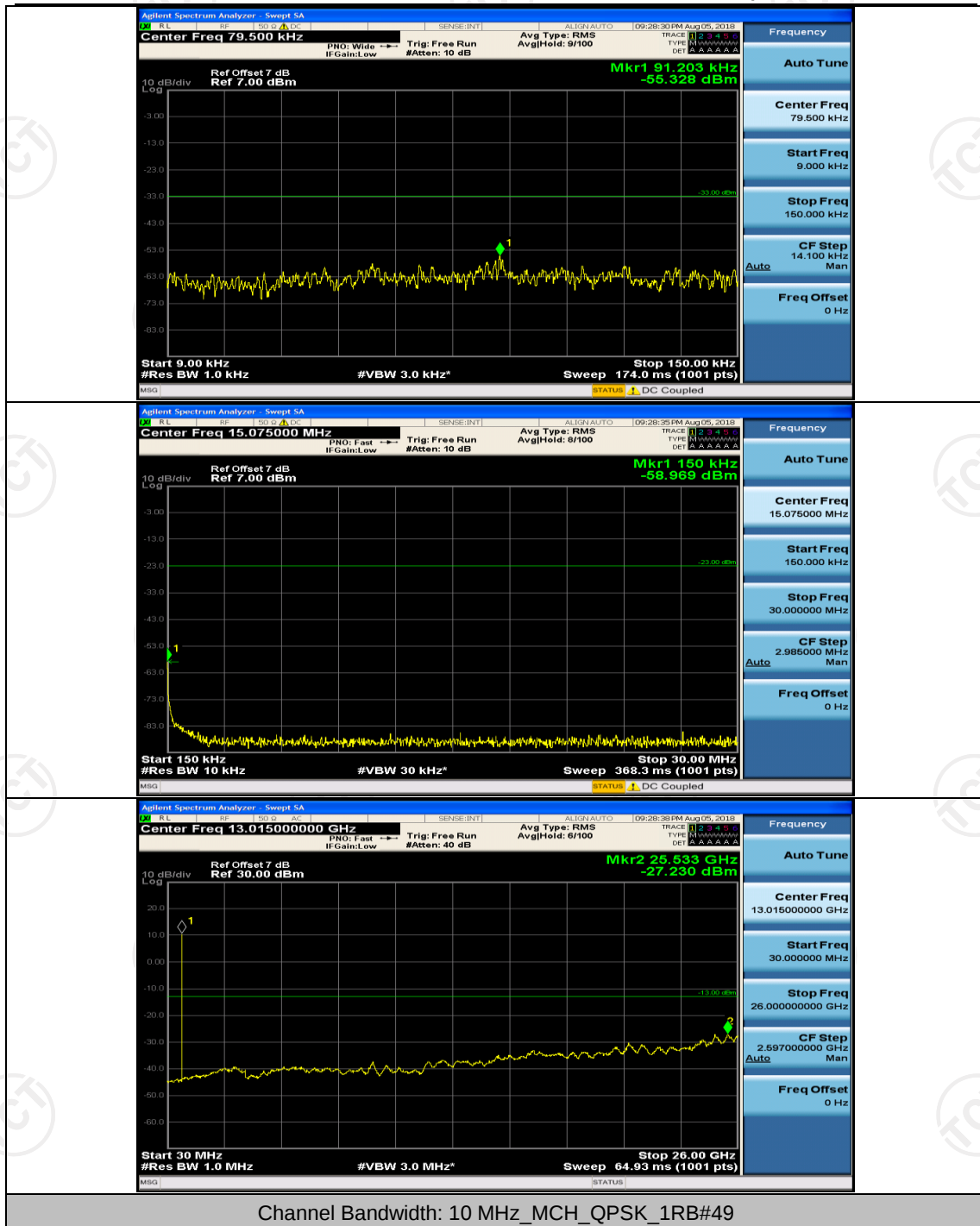
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

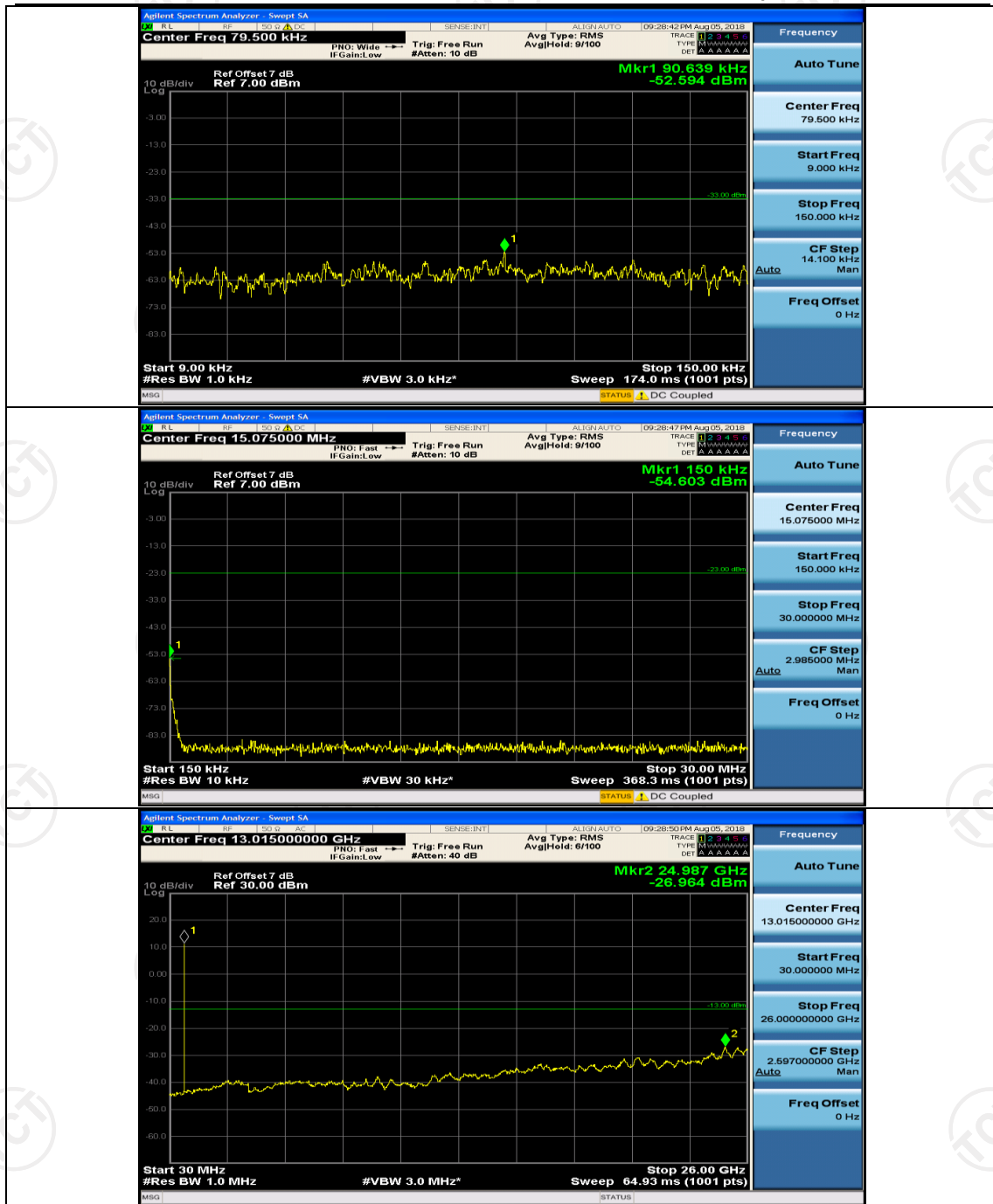


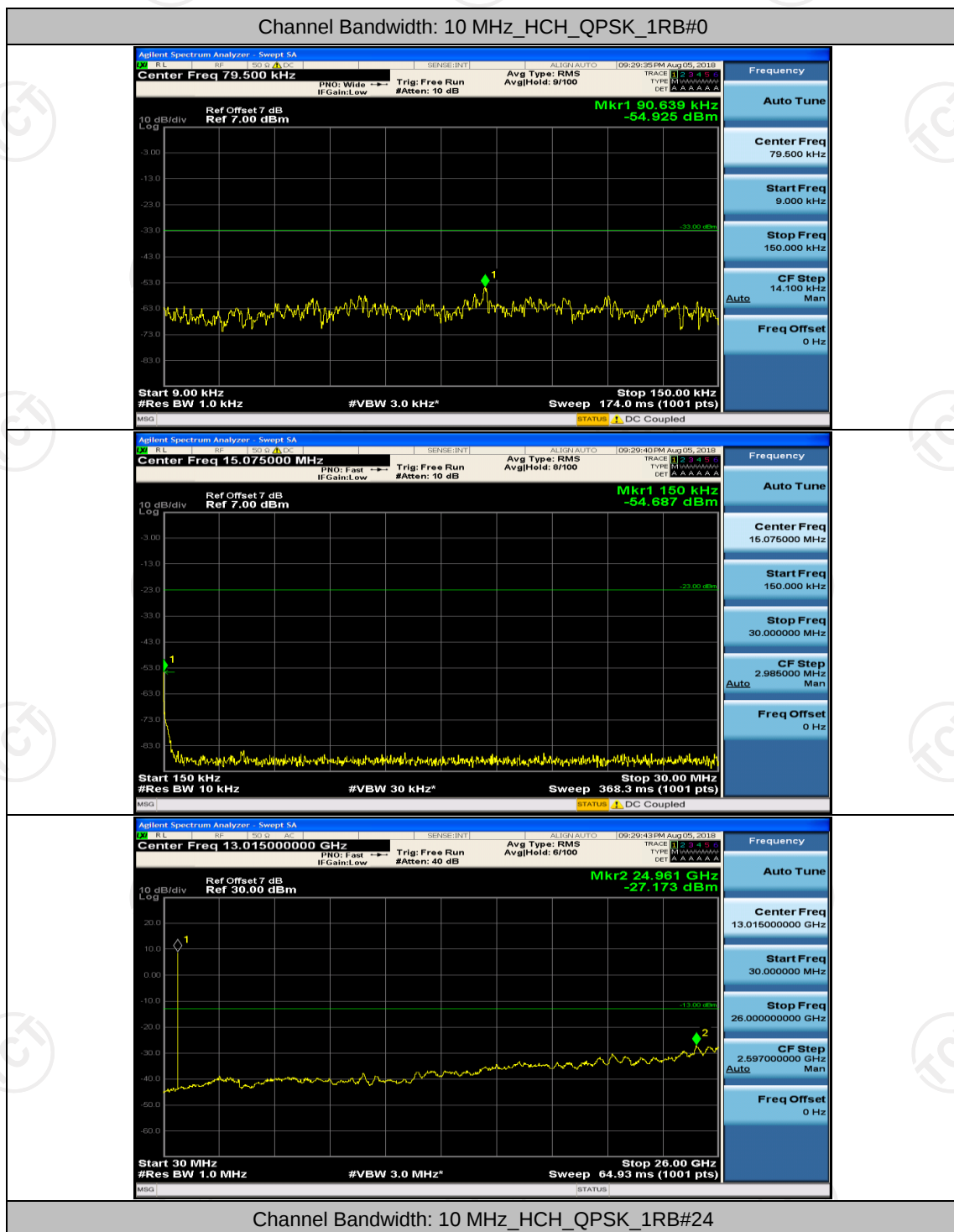


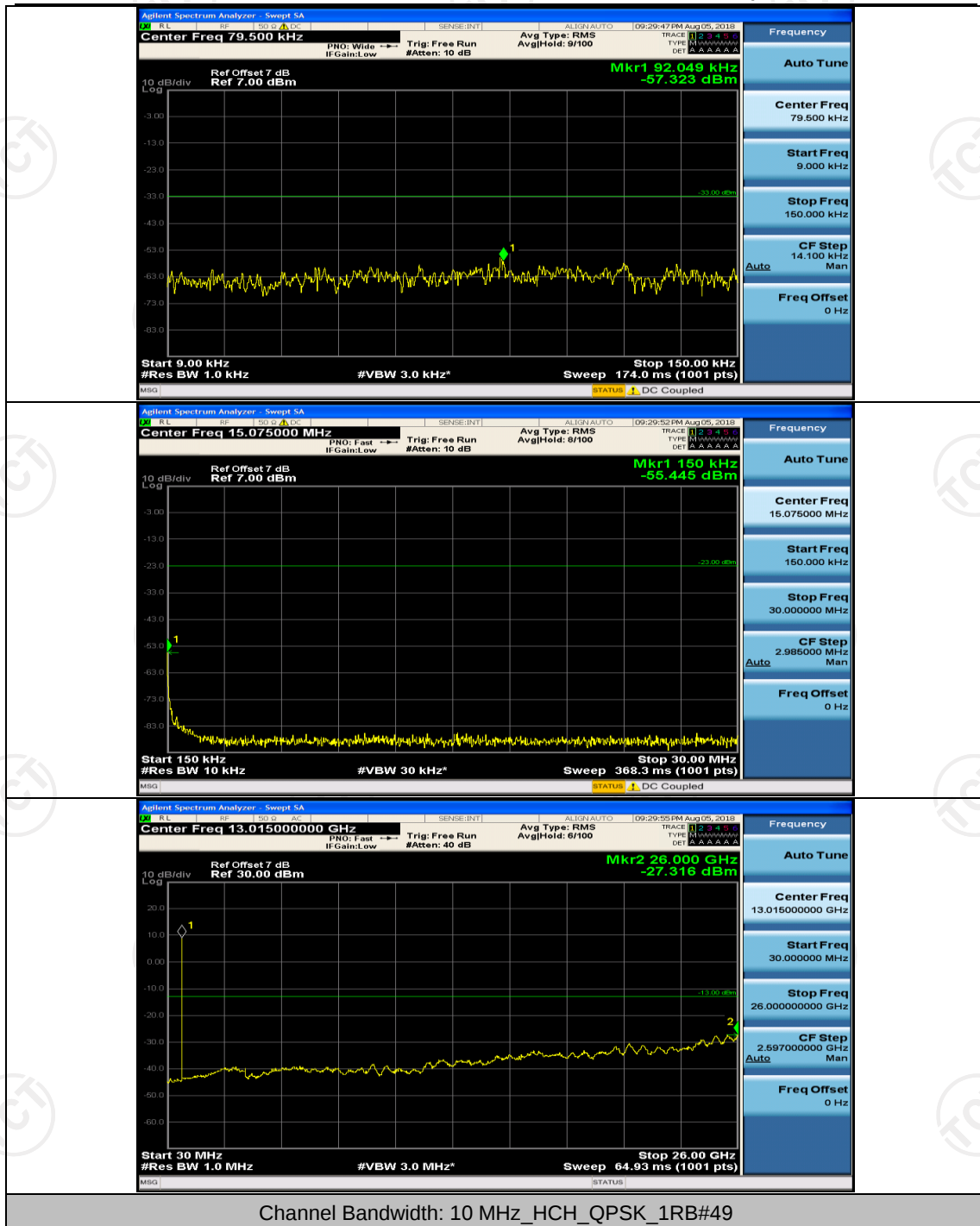


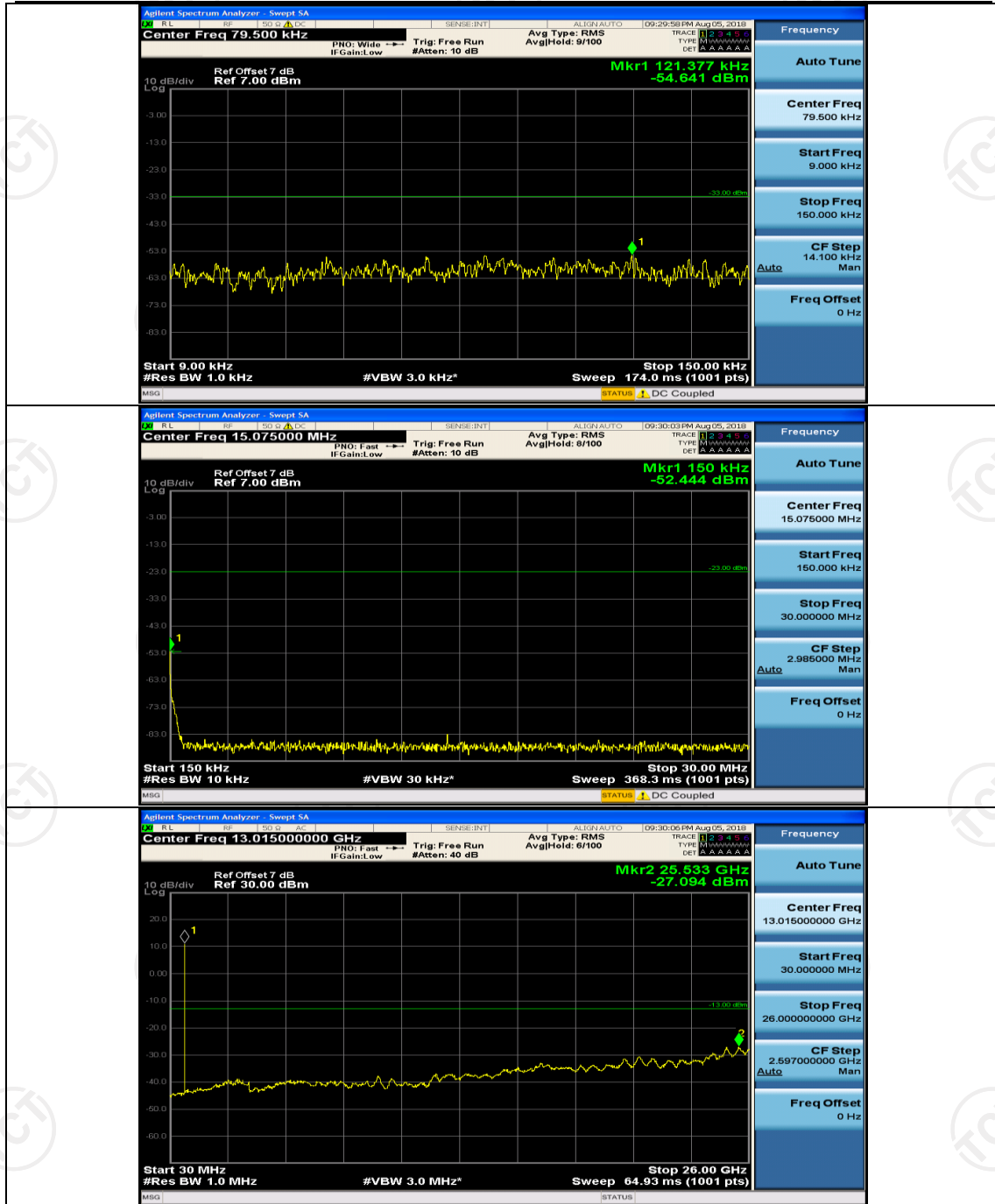


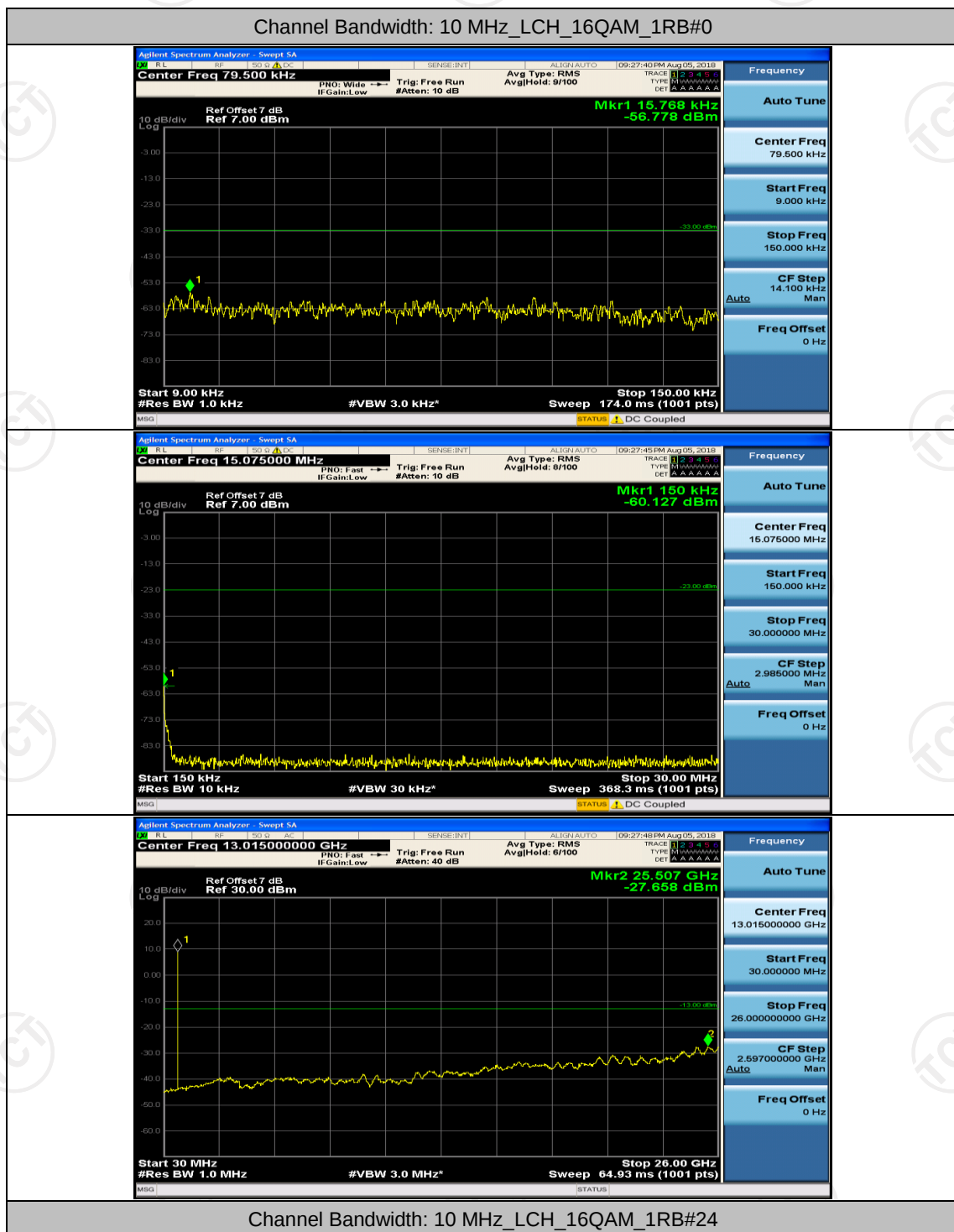


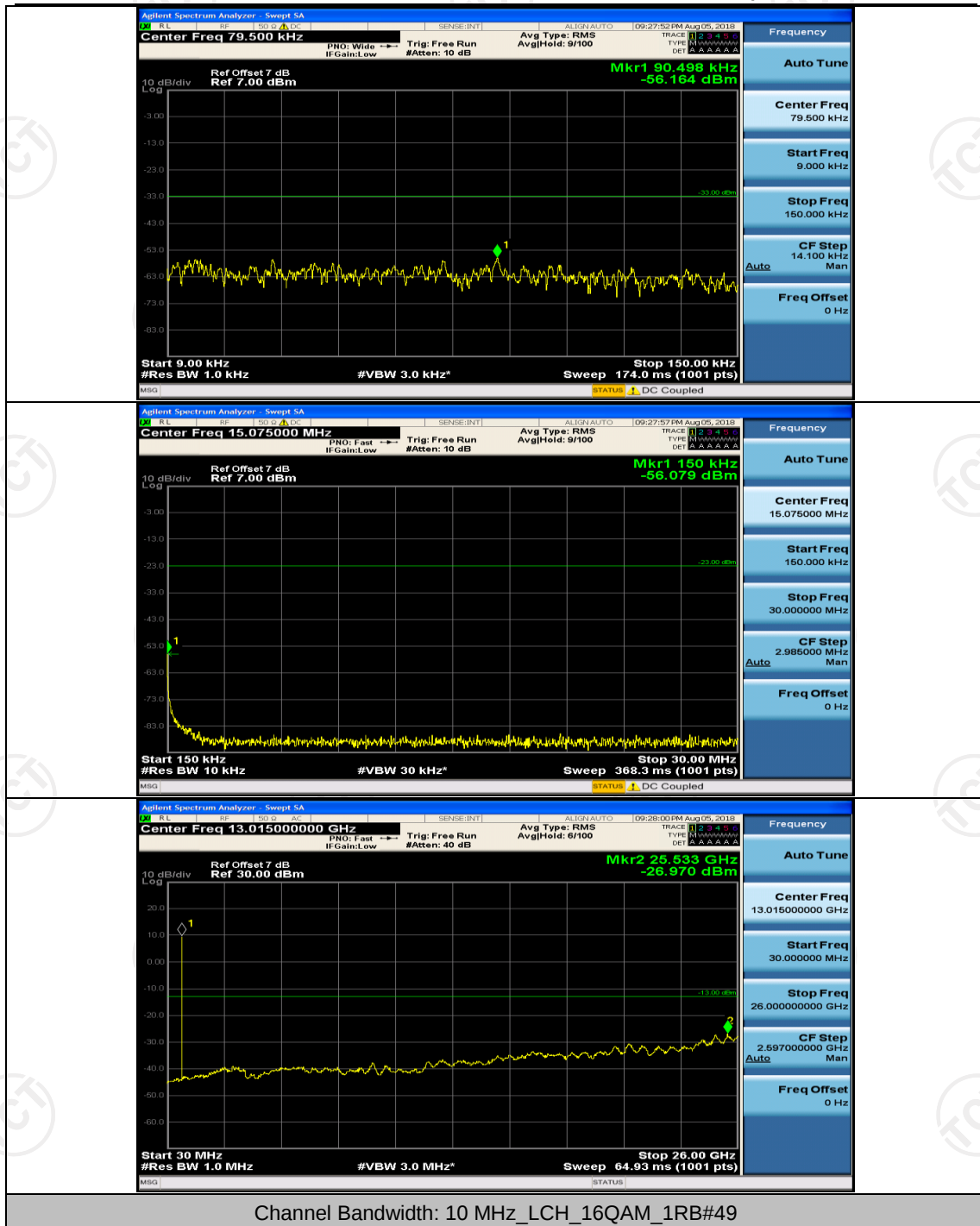


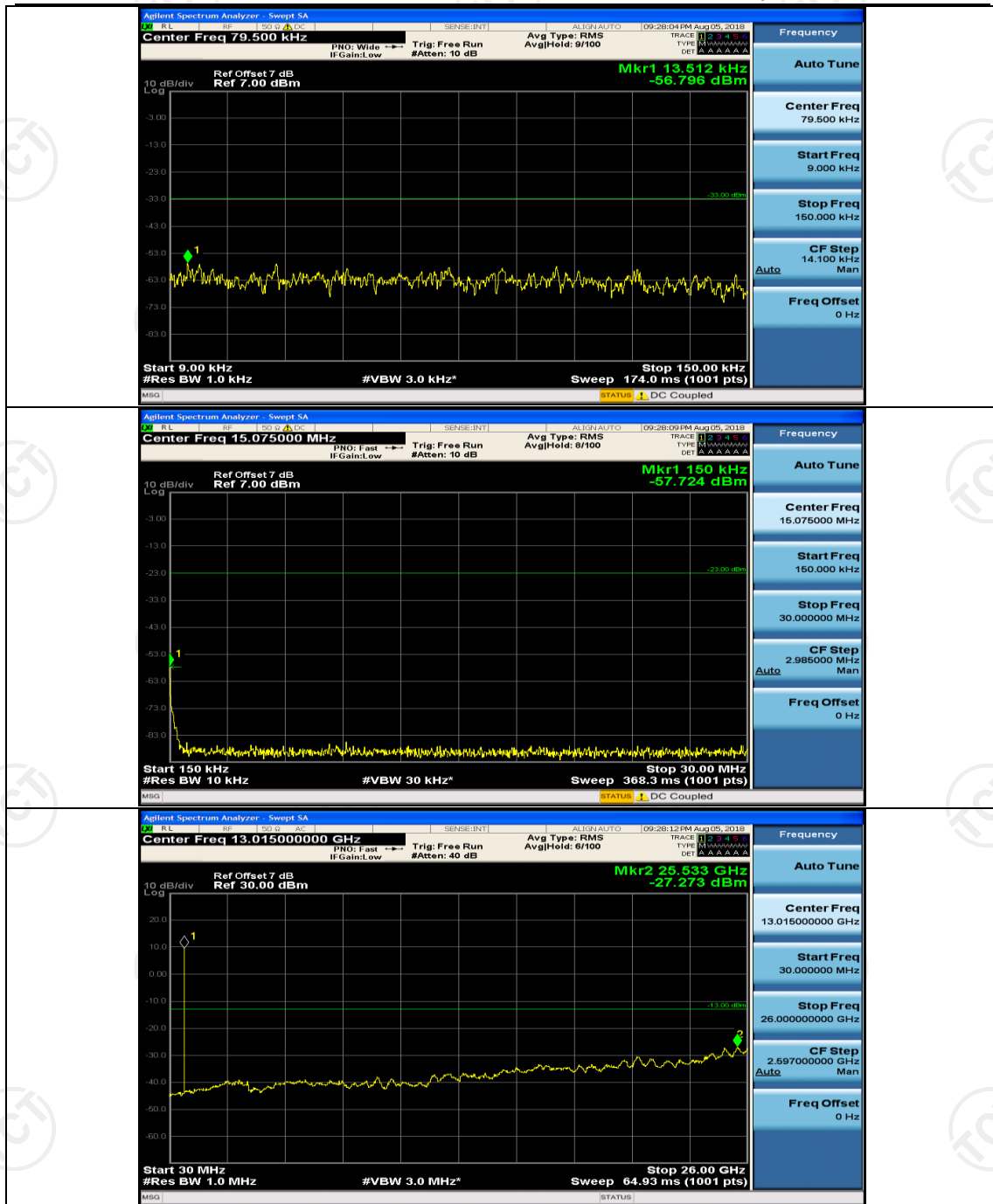


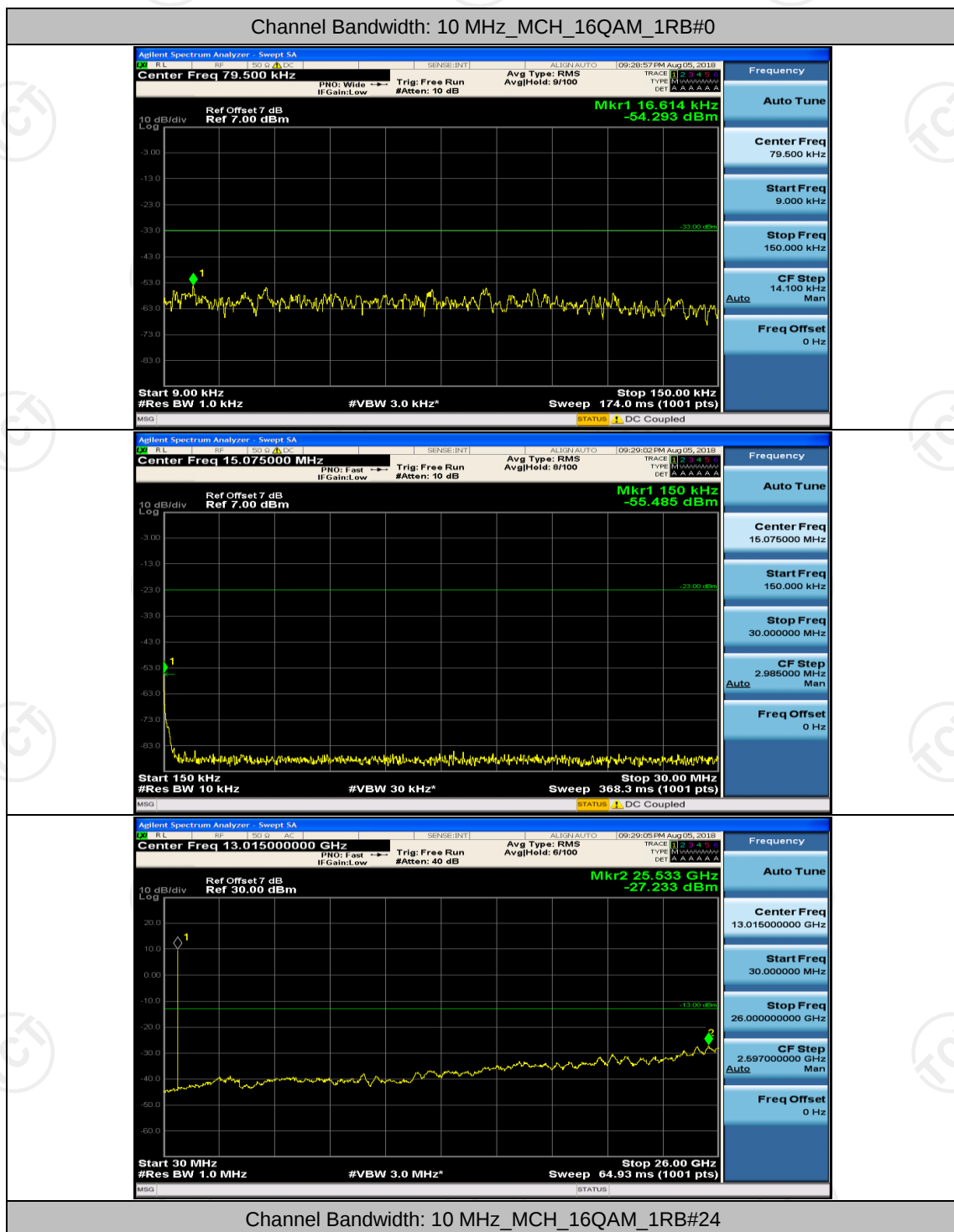


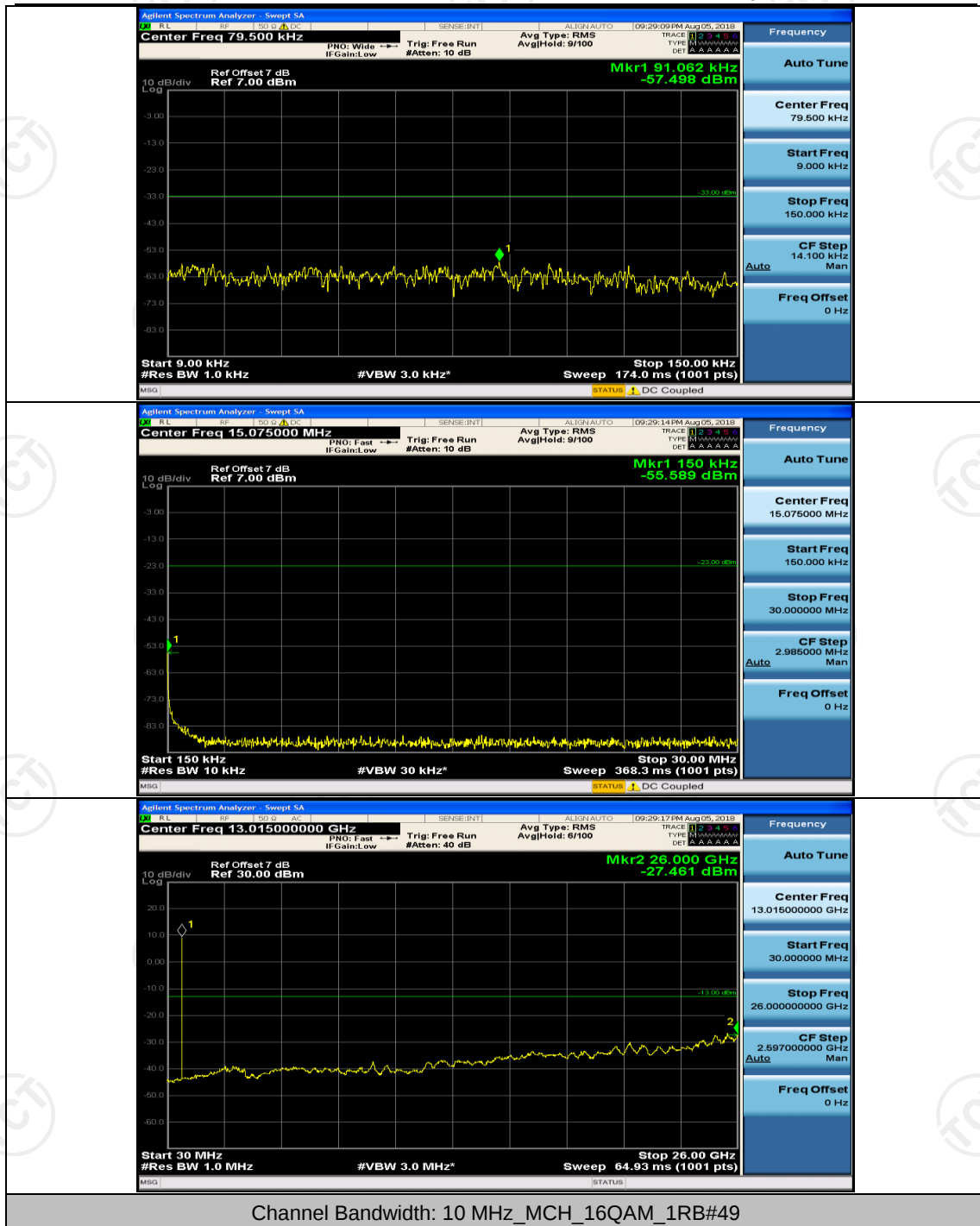


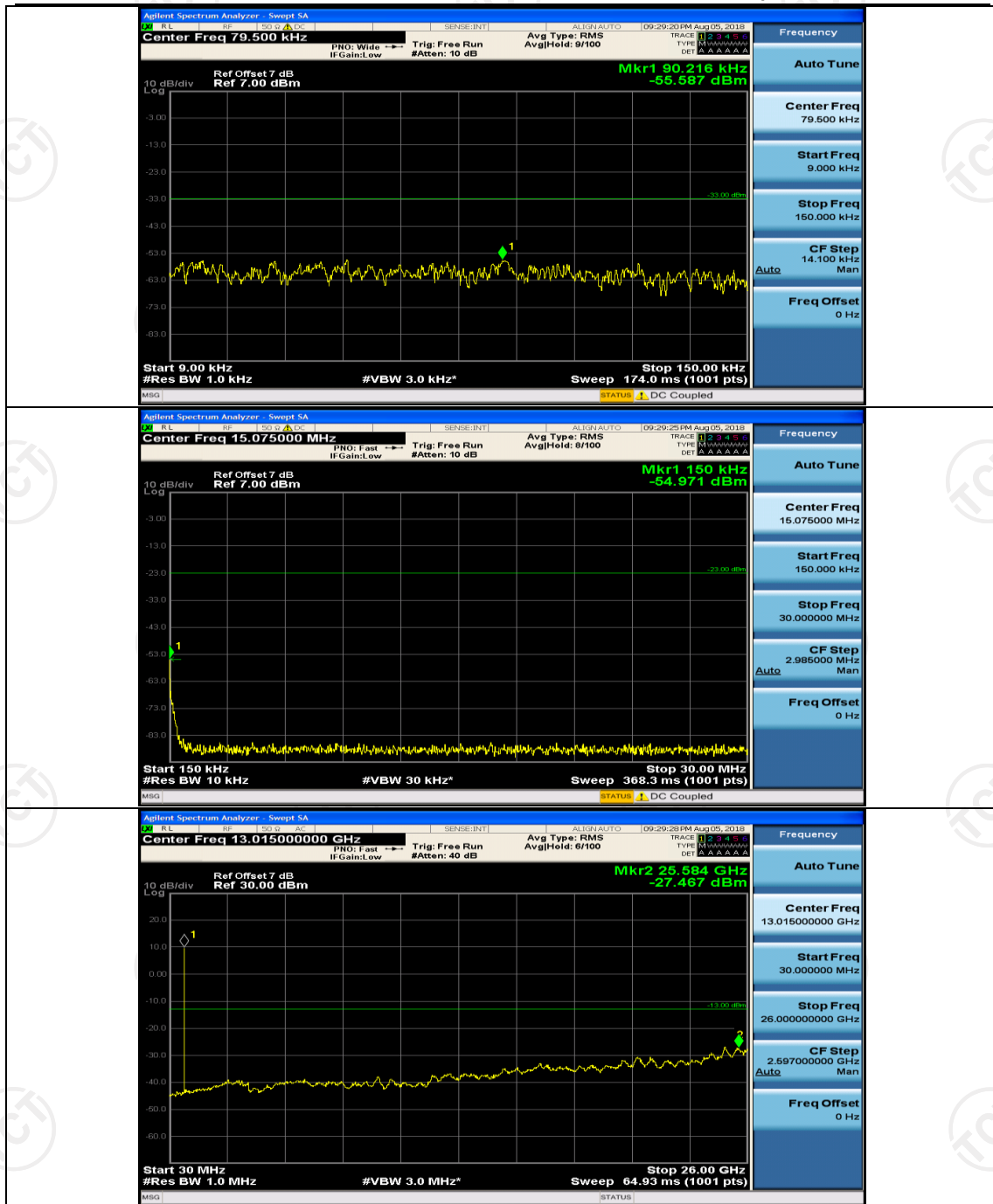


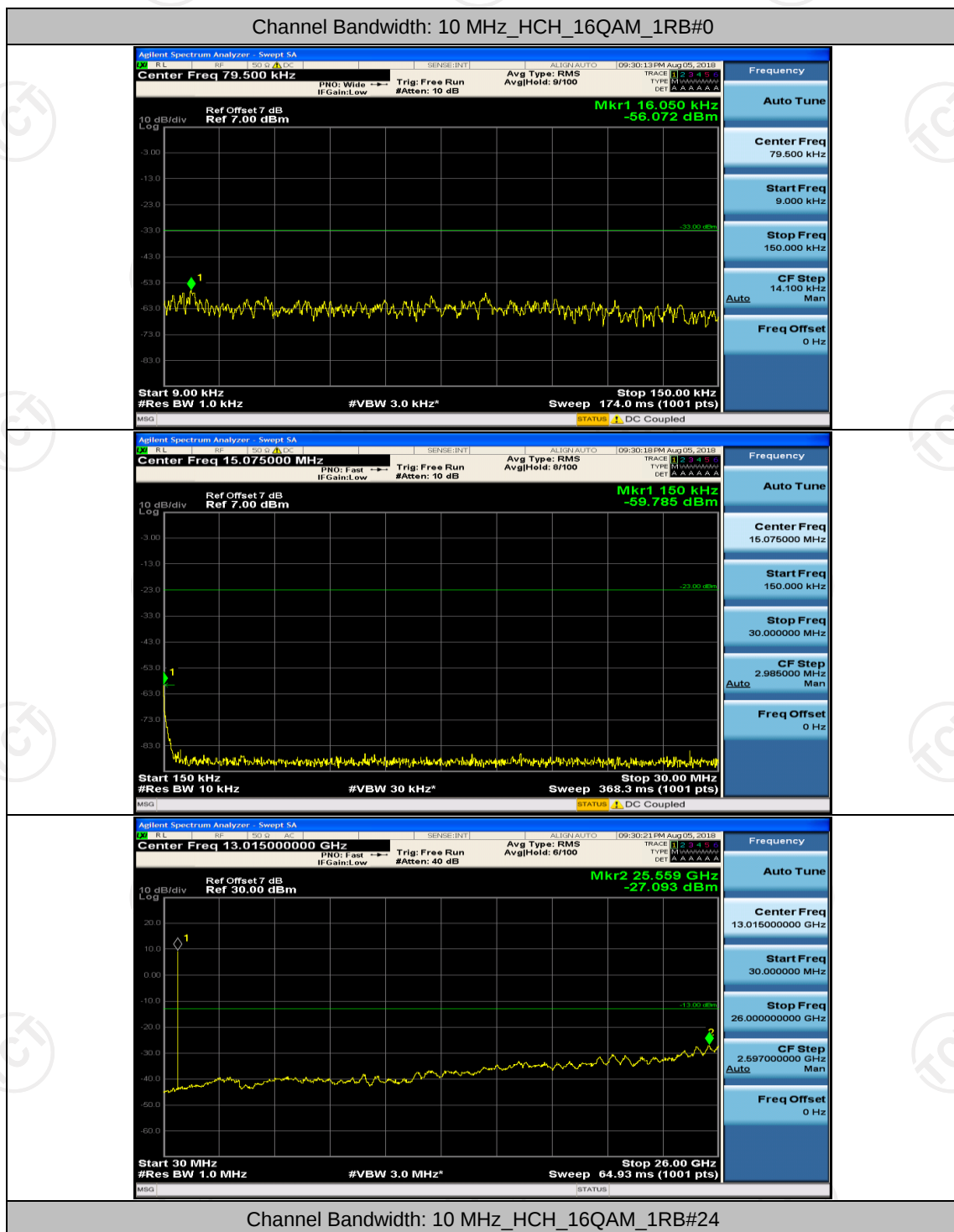


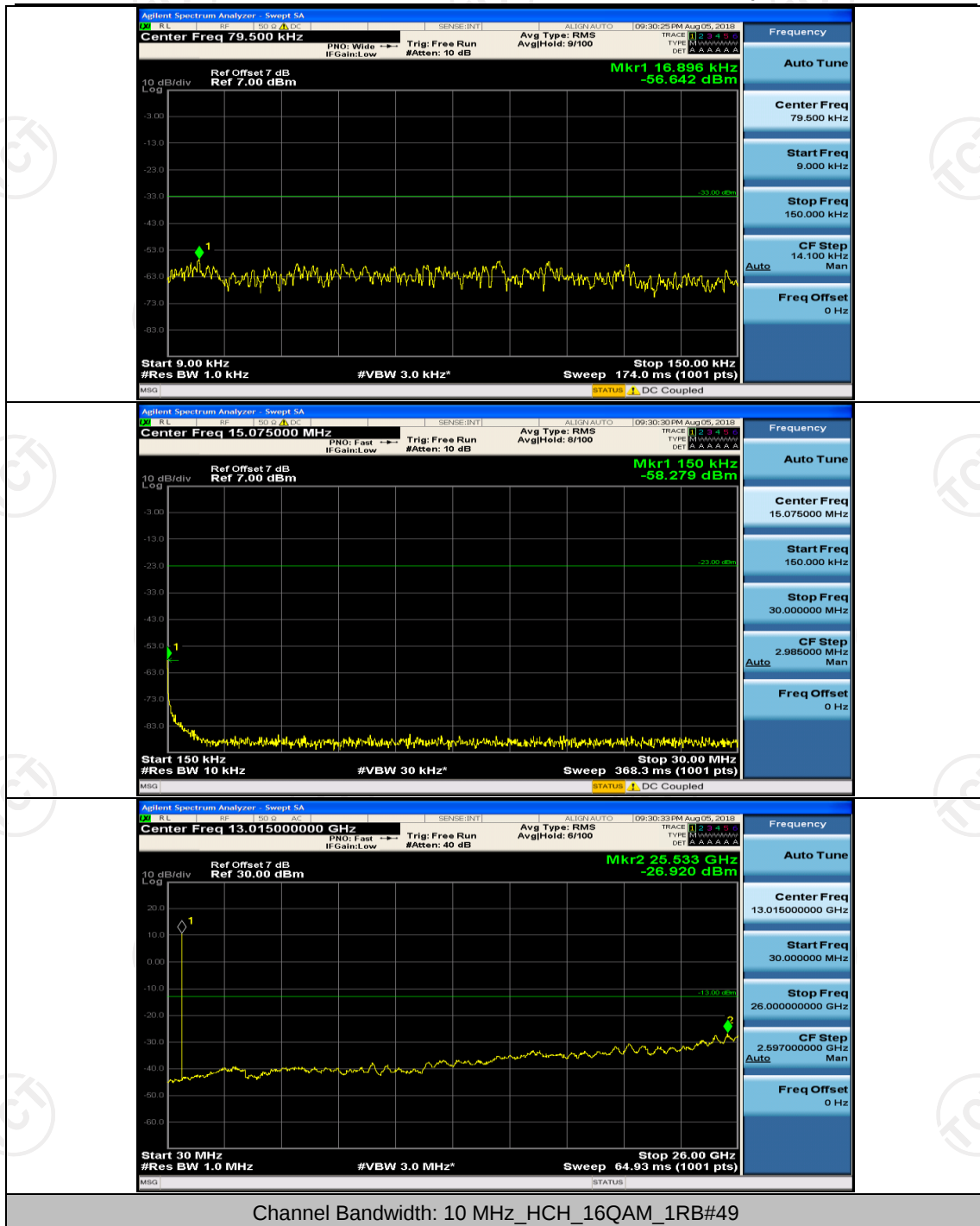


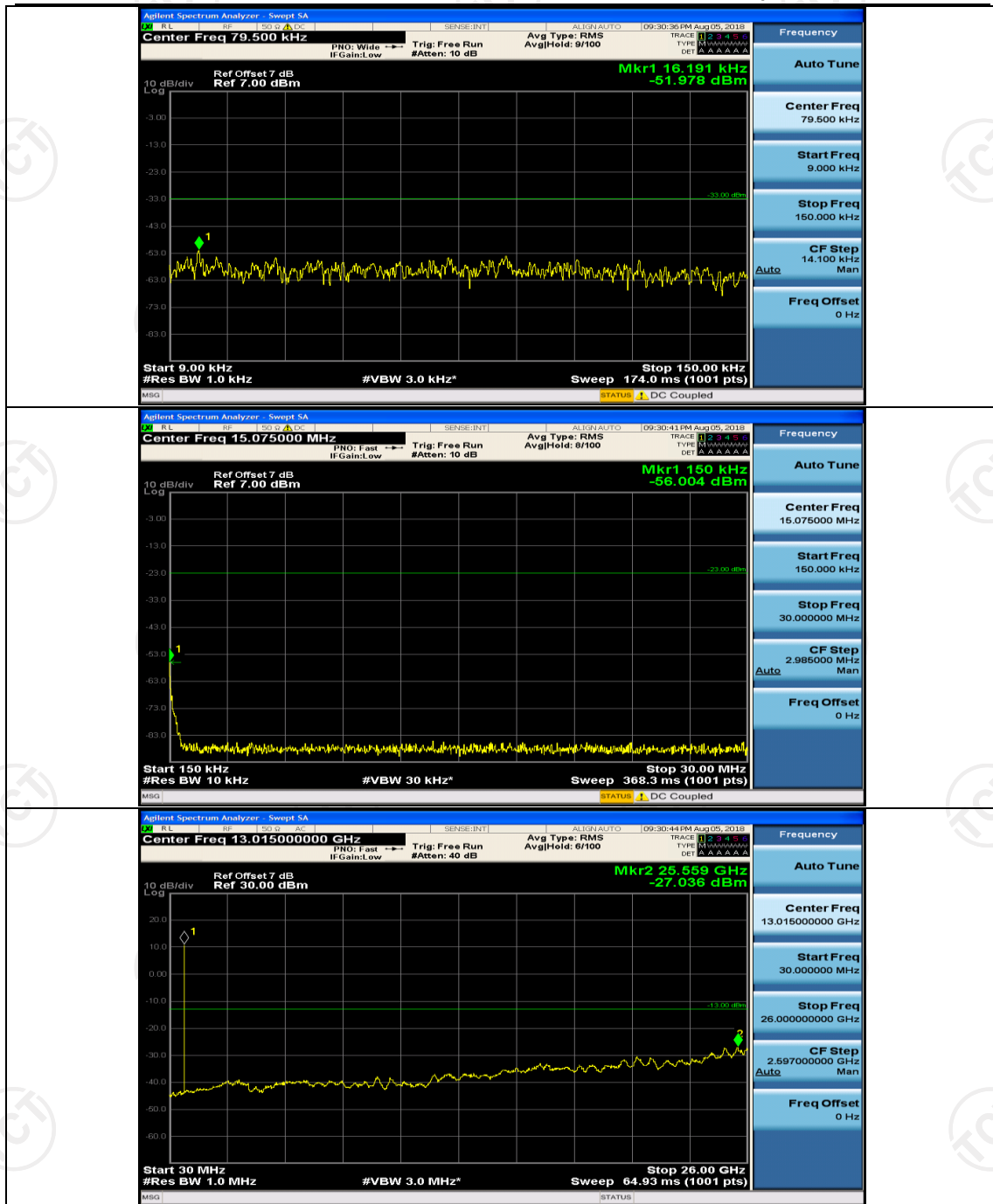












Appendix F: Frequency Stability

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	0.002205	± 2.5	PASS
		3.7	25	-0.000879	± 2.5	PASS
		4.2	25	-0.001305	± 2.5	PASS
	MCH	3.3	25	0.000324	± 2.5	PASS
		3.7	25	0.000445	± 2.5	PASS
		4.2	25	0.000020	± 2.5	PASS
	HCH	3.3	25	-0.001163	± 2.5	PASS
		3.7	25	-0.000400	± 2.5	PASS
		4.2	25	-0.000735	± 2.5	PASS
16QAM	LCH	3.3	25	0.002103	± 2.5	PASS
		3.7	25	-0.002494	± 2.5	PASS
		4.2	25	-0.000673	± 2.5	PASS
	MCH	3.3	25	0.001779	± 2.5	PASS
		3.7	25	-0.000869	± 2.5	PASS
		4.2	25	-0.000546	± 2.5	PASS
	HCH	3.3	25	0.000501	± 2.5	PASS
		3.7	25	0.000840	± 2.5	PASS
		4.2	25	0.000284	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	0.000960	± 2.5	PASS
		3.7	-20	0.000980	± 2.5	PASS
		3.7	-10	0.002042	± 2.5	PASS
		3.7	0	0.000837	± 2.5	PASS
		3.7	10	-0.001558	± 2.5	PASS
		3.7	20	-0.002310	± 2.5	PASS
		3.7	30	-0.000184	± 2.5	PASS
		3.7	40	-0.001411	± 2.5	PASS
		3.7	50	-0.001063	± 2.5	PASS
	MCH	3.7	-30	0.000364	± 2.5	PASS
		3.7	-20	-0.000647	± 2.5	PASS
		3.7	-10	0.000748	± 2.5	PASS
		3.7	0	0.000364	± 2.5	PASS
		3.7	10	0.000240	± 2.5	PASS
		3.7	20	0.000142	± 2.5	PASS

		3.7	30	-0.000020	± 2.5	PASS
		3.7	40	0.000425	± 2.5	PASS
		3.7	50	-0.000384	± 2.5	PASS
	HCH	3.7	-30	-0.000501	± 2.5	PASS
		3.7	-20	-0.000060	± 2.5	PASS
		3.7	-10	-0.000902	± 2.5	PASS
		3.7	0	0.000521	± 2.5	PASS
		3.7	10	-0.001167	± 2.5	PASS
		3.7	20	-0.000805	± 2.5	PASS
		3.7	30	-0.000402	± 2.5	PASS
		3.7	40	-0.000785	± 2.5	PASS
		3.7	50	-0.000320	± 2.5	PASS
16QAM	LCH	3.7	-30	0.001327	± 2.5	PASS
		3.7	-20	0.000592	± 2.5	PASS
		3.7	-10	0.000653	± 2.5	PASS
		3.7	0	0.001593	± 2.5	PASS
		3.7	10	-0.001041	± 2.5	PASS
		3.7	20	-0.002678	± 2.5	PASS
		3.7	30	-0.003026	± 2.5	PASS
		3.7	40	-0.002106	± 2.5	PASS
		3.7	50	-0.002269	± 2.5	PASS
	MCH	3.7	-30	0.001254	± 2.5	PASS
		3.7	-20	-0.000101	± 2.5	PASS
		3.7	-10	0.001092	± 2.5	PASS
		3.7	0	0.001355	± 2.5	PASS
		3.7	10	0.000154	± 2.5	PASS
		3.7	20	-0.000425	± 2.5	PASS
		3.7	30	-0.000364	± 2.5	PASS
		3.7	40	0.000101	± 2.5	PASS
		3.7	50	-0.000404	± 2.5	PASS
	HCH	3.7	-30	-0.000441	± 2.5	PASS
		3.7	-20	0.001444	± 2.5	PASS
		3.7	-10	-0.000321	± 2.5	PASS
		3.7	0	0.000401	± 2.5	PASS
		3.7	10	-0.001006	± 2.5	PASS
		3.7	20	0.000080	± 2.5	PASS
		3.7	30	0.000423	± 2.5	PASS
		3.7	40	-0.000624	± 2.5	PASS
		3.7	50	-0.000940	± 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

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	-33.57	-13.00	PASS
2099.1	V	-42.62		
-	V	-		
1399.4	Horizontal	-32.35		
2099.1	H	-44.81		
-	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	-32.62	-13.00	PASS
2122.5	V	-42.54		
-	V	-		
1415	Horizontal	-35.12		
2122.5	H	-42.75		
-	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	-32.20	-13.00	PASS
2145.9	V	-41.63		
-	V	-		
1430.6	Horizontal	-32.27		
2145.9	H	-44.70		
-	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	-32.35	-13.00	PASS
2099.1	V	-42.62		
-	V	-		
1399.4	Horizontal	-33.49		
2099.1	H	-46.35		
-	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	-31.65	-13.00	PASS
2122.5	V	-41.58		
-	V	-		
1415	Horizontal	-32.60		
2122.5	H	-43.82		
-	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	-33.54	-13.00	PASS
2145.9	V	-42.21		
-	V	-		
1430.6	Horizontal	-32.54		
2145.9	H	-44.25		
-	H	-		

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