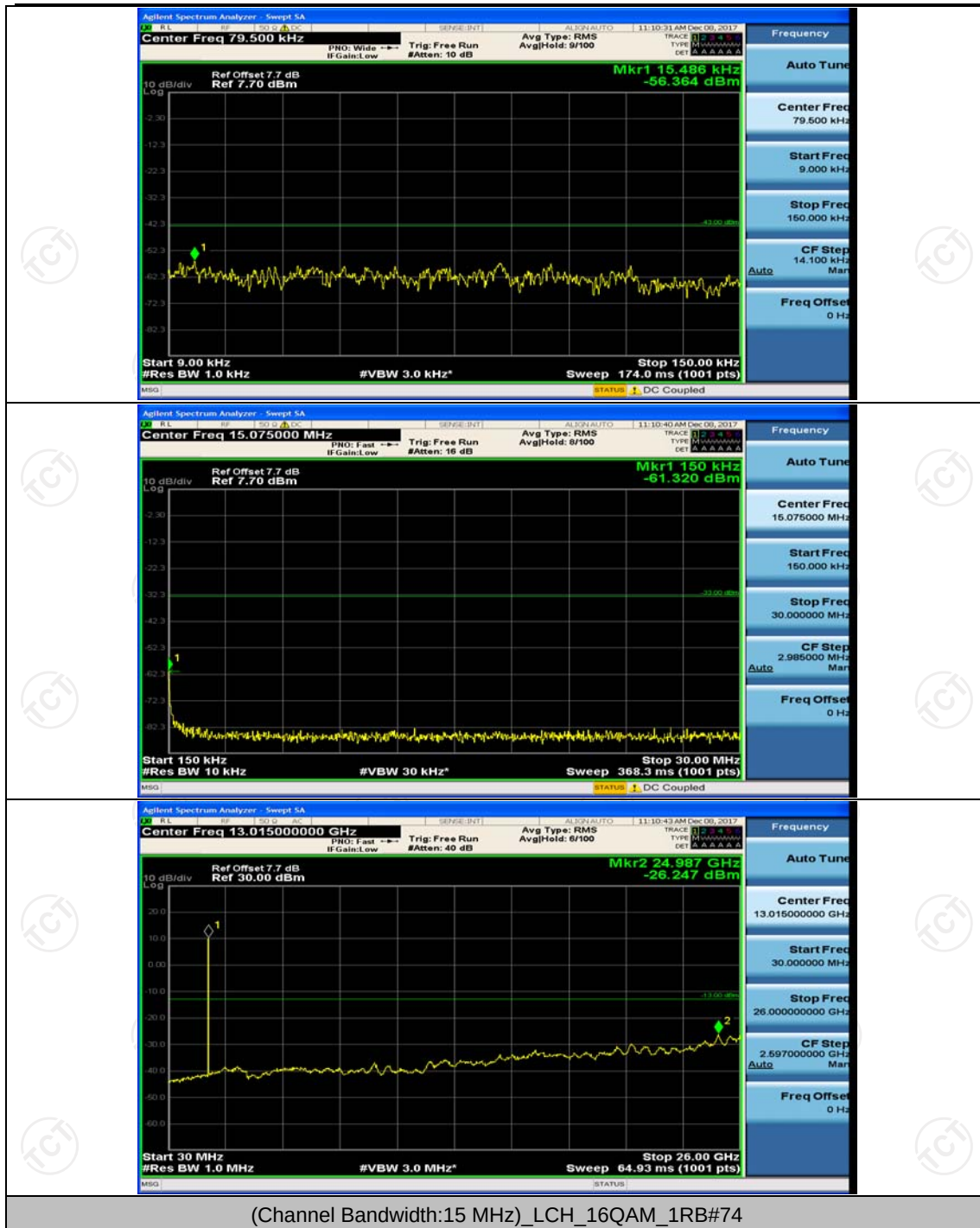
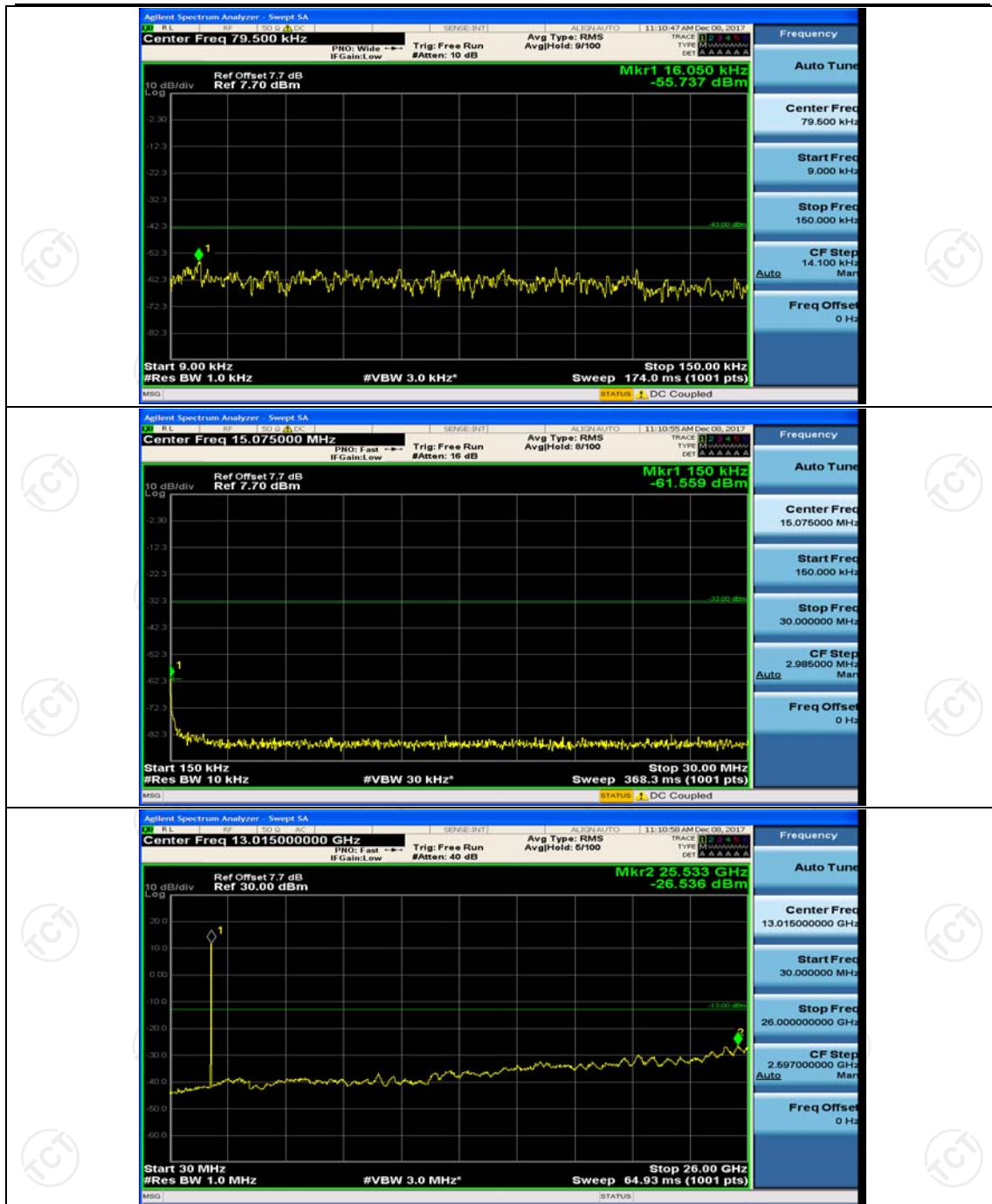
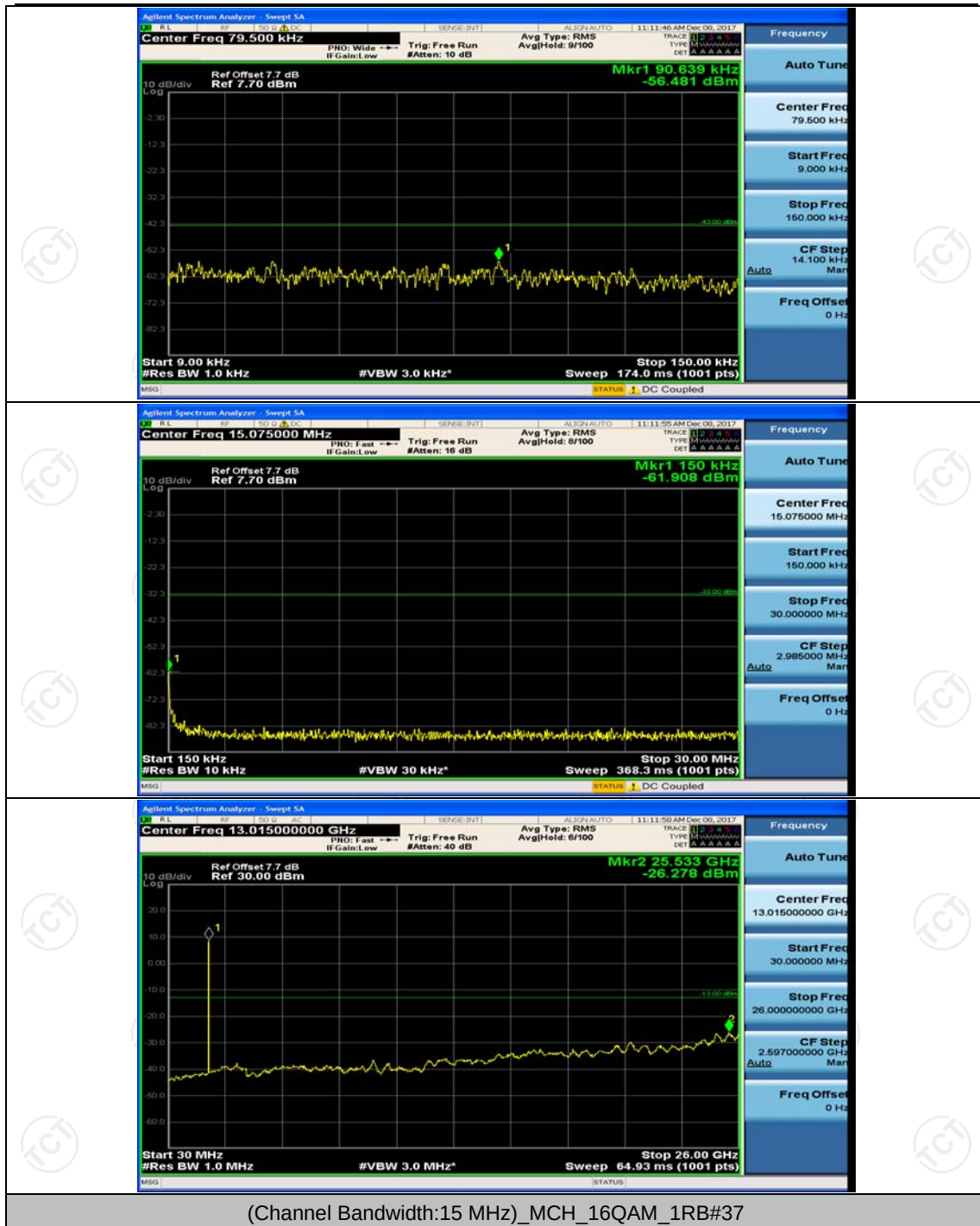
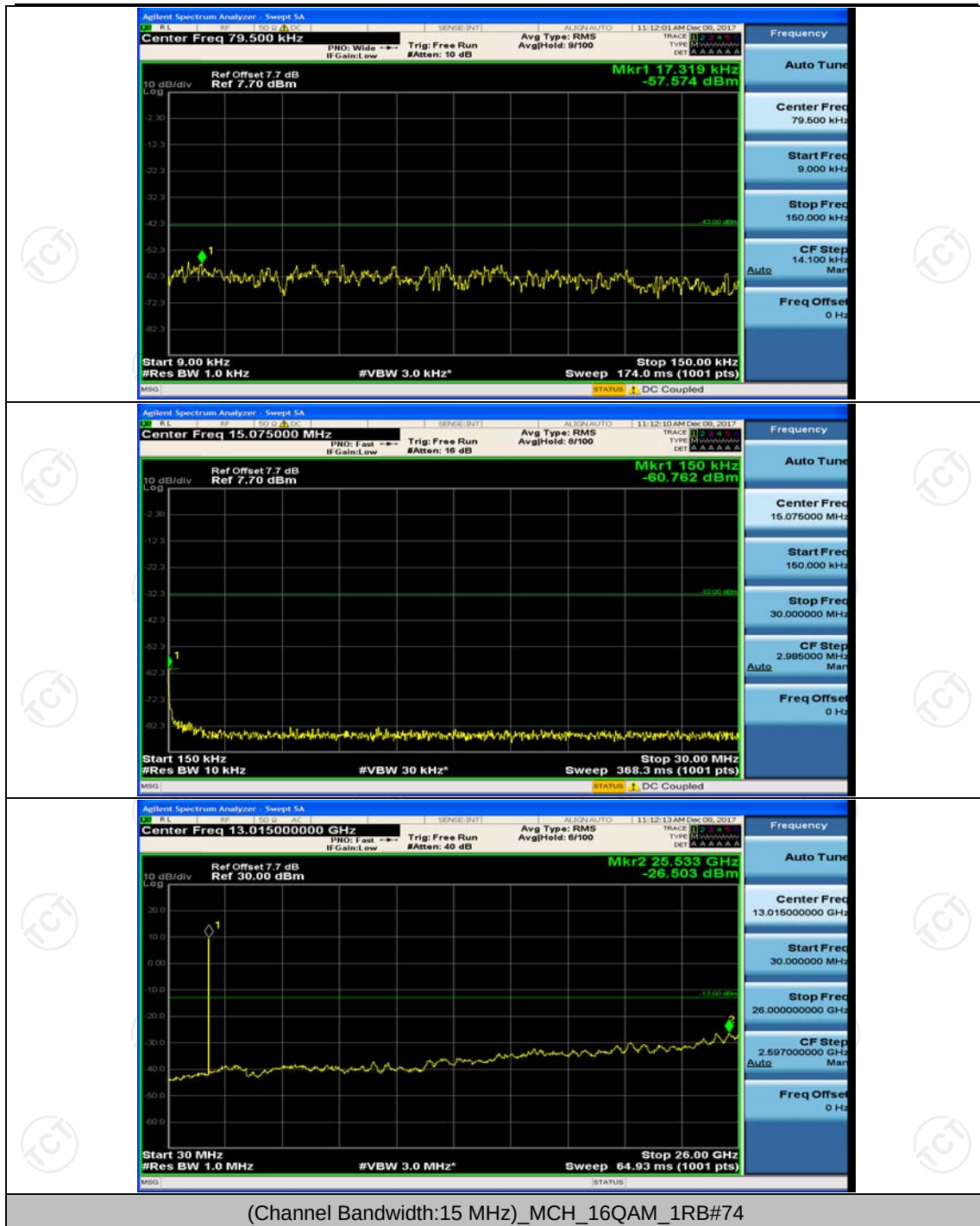


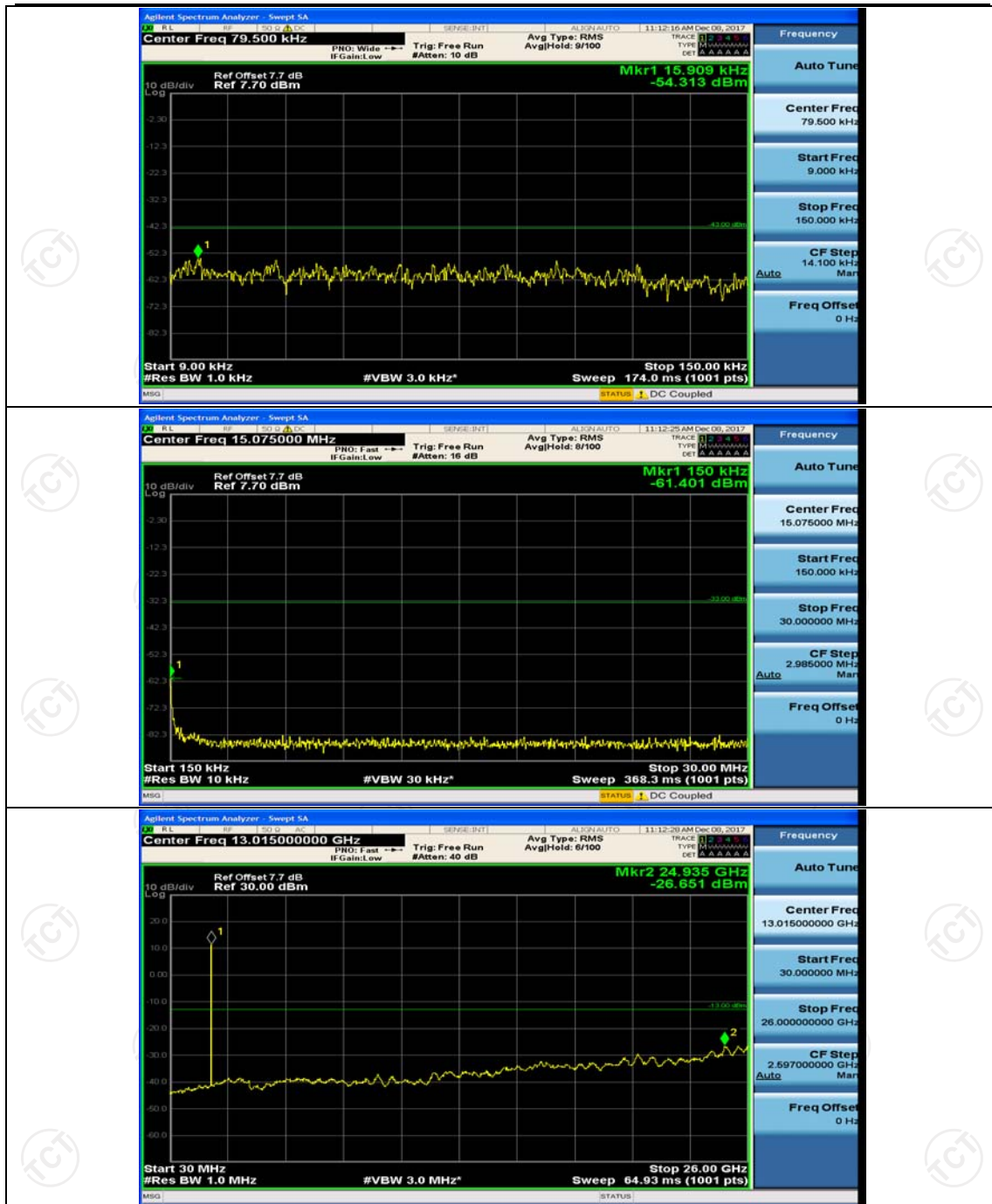




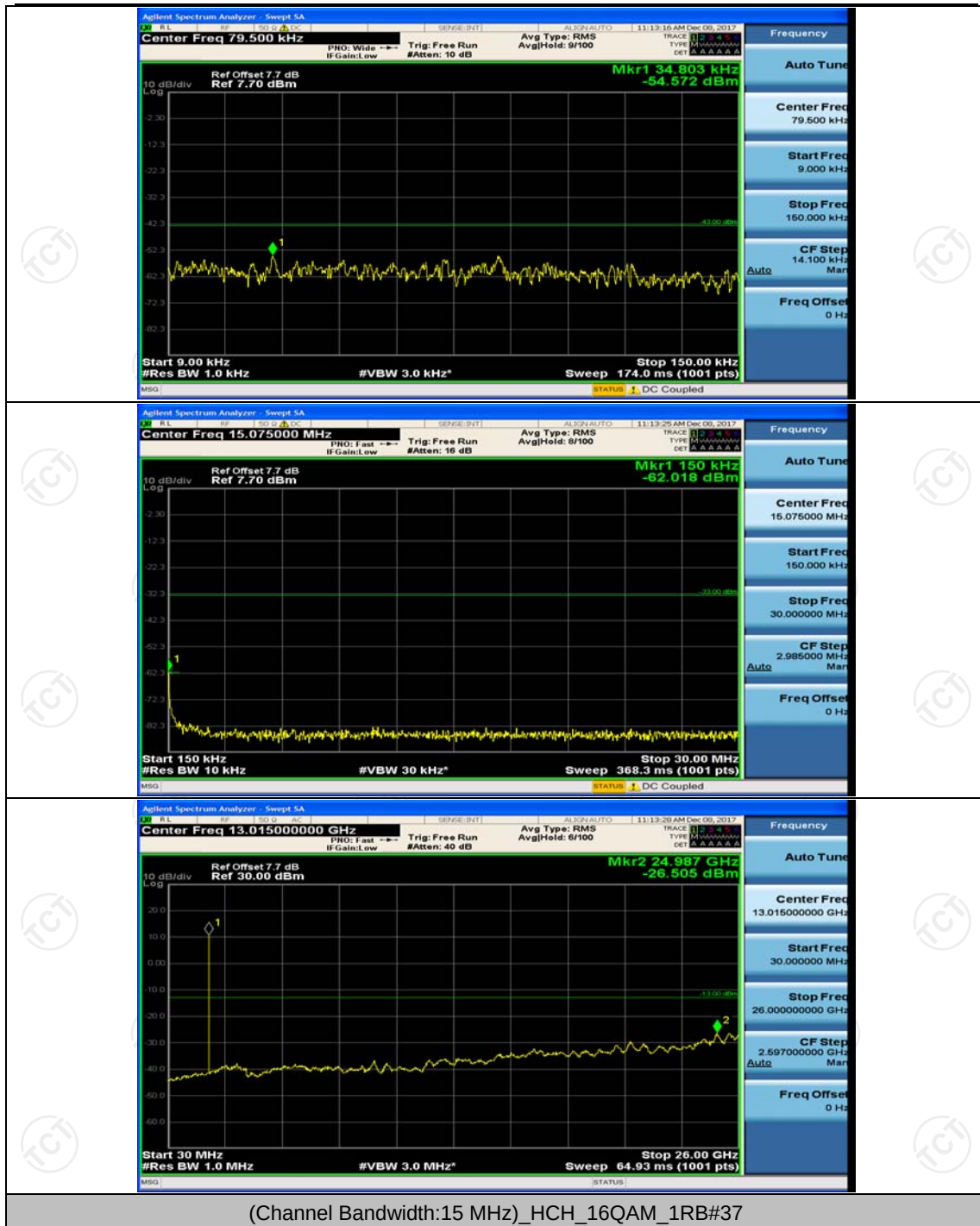
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

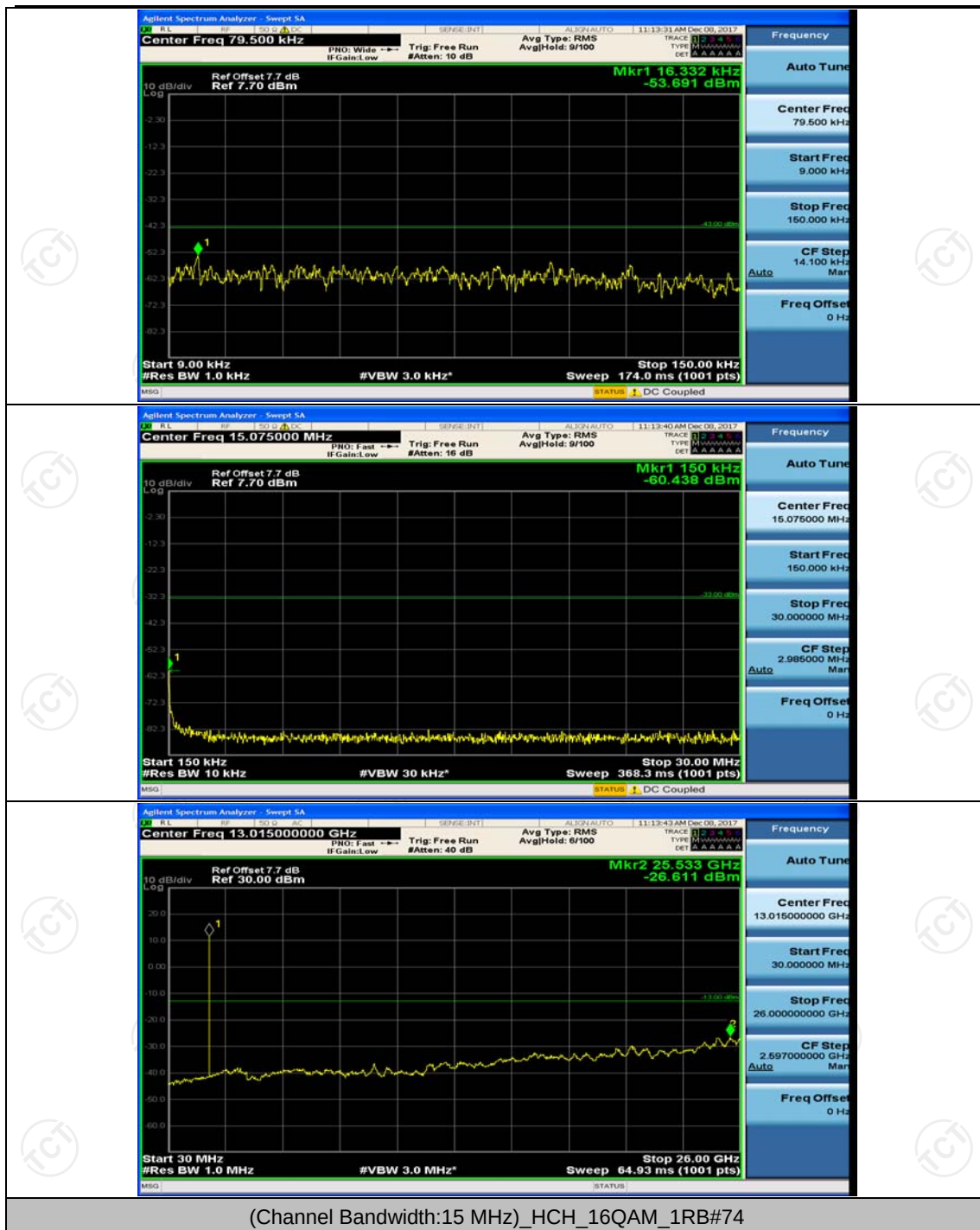


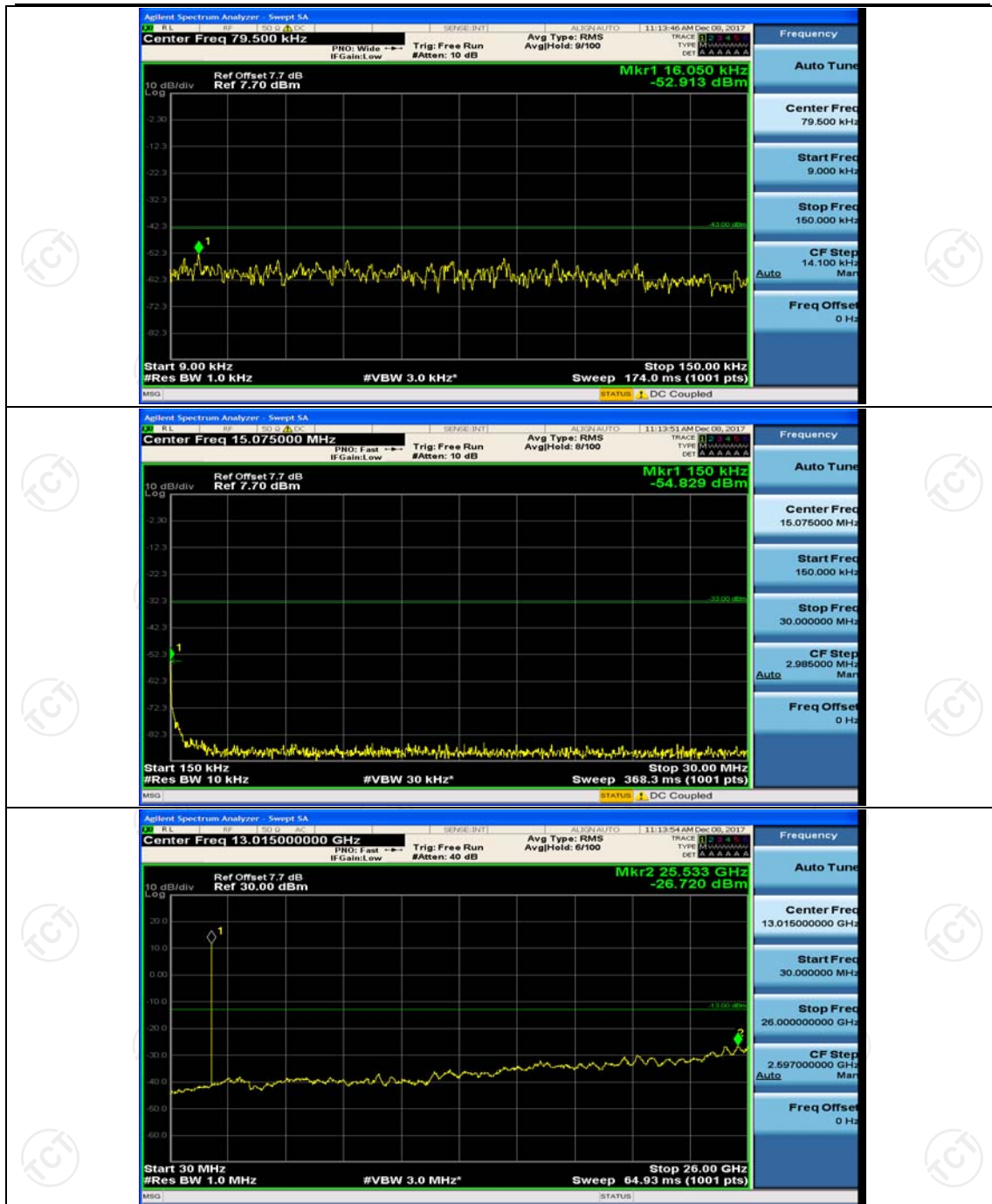




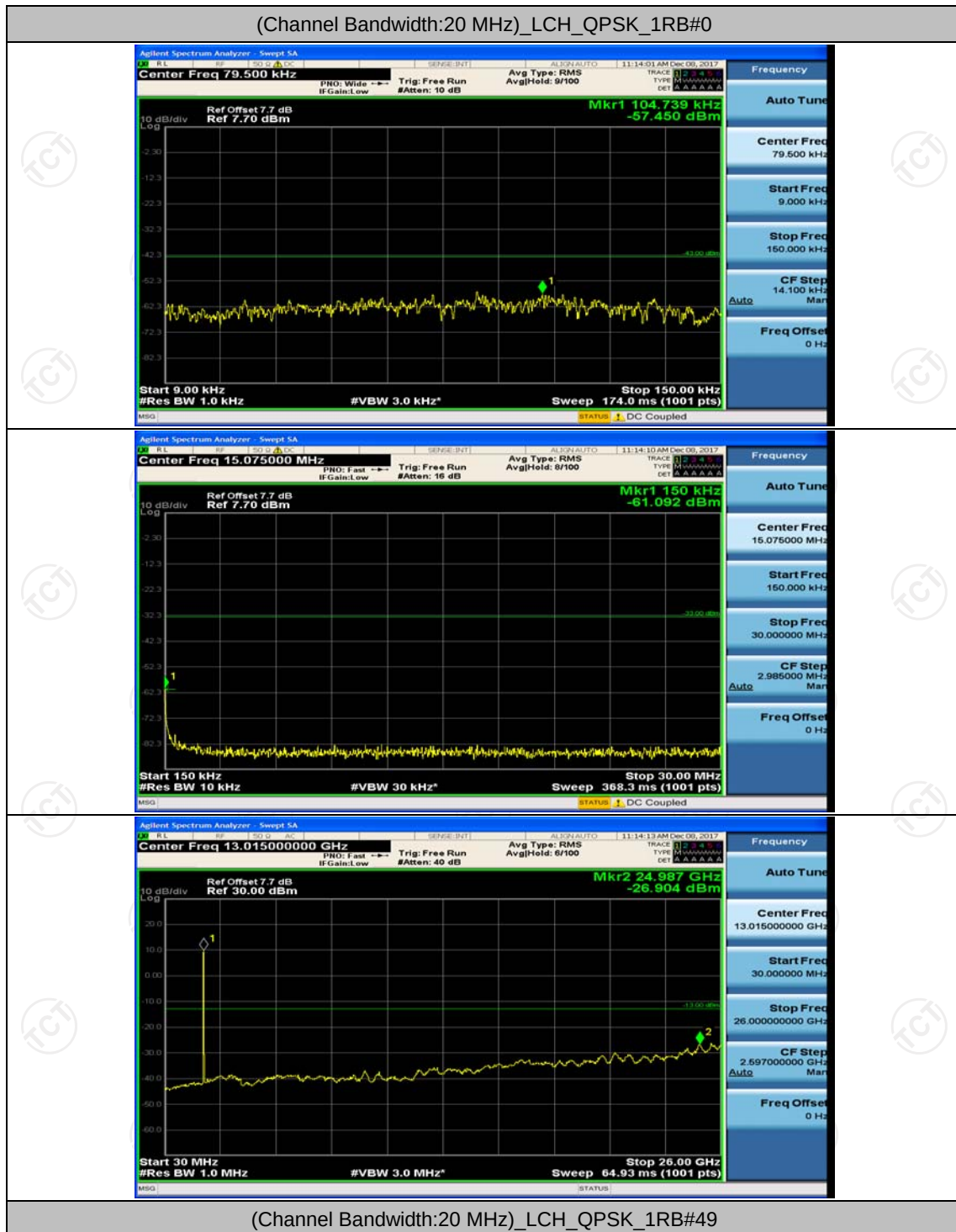
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

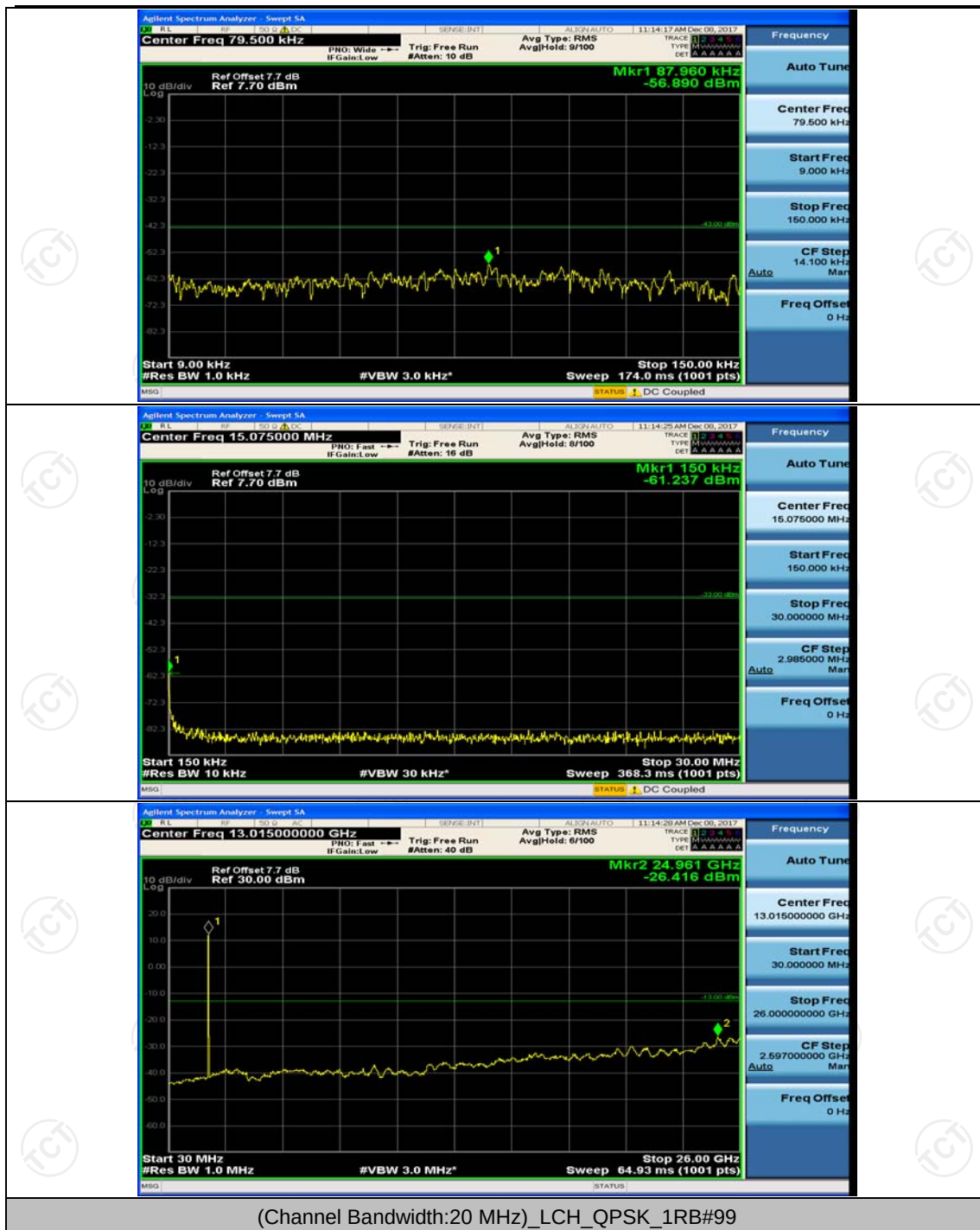


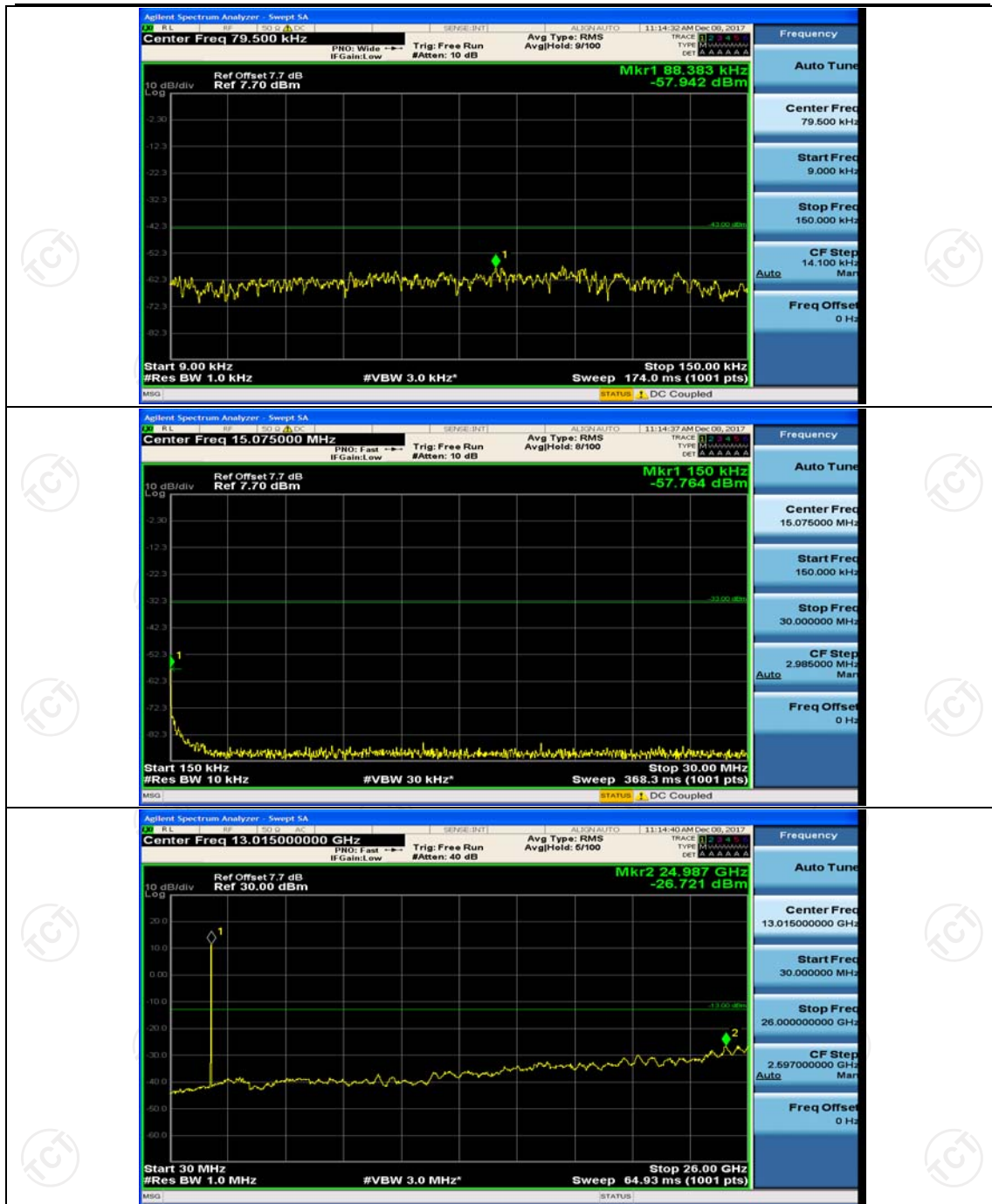




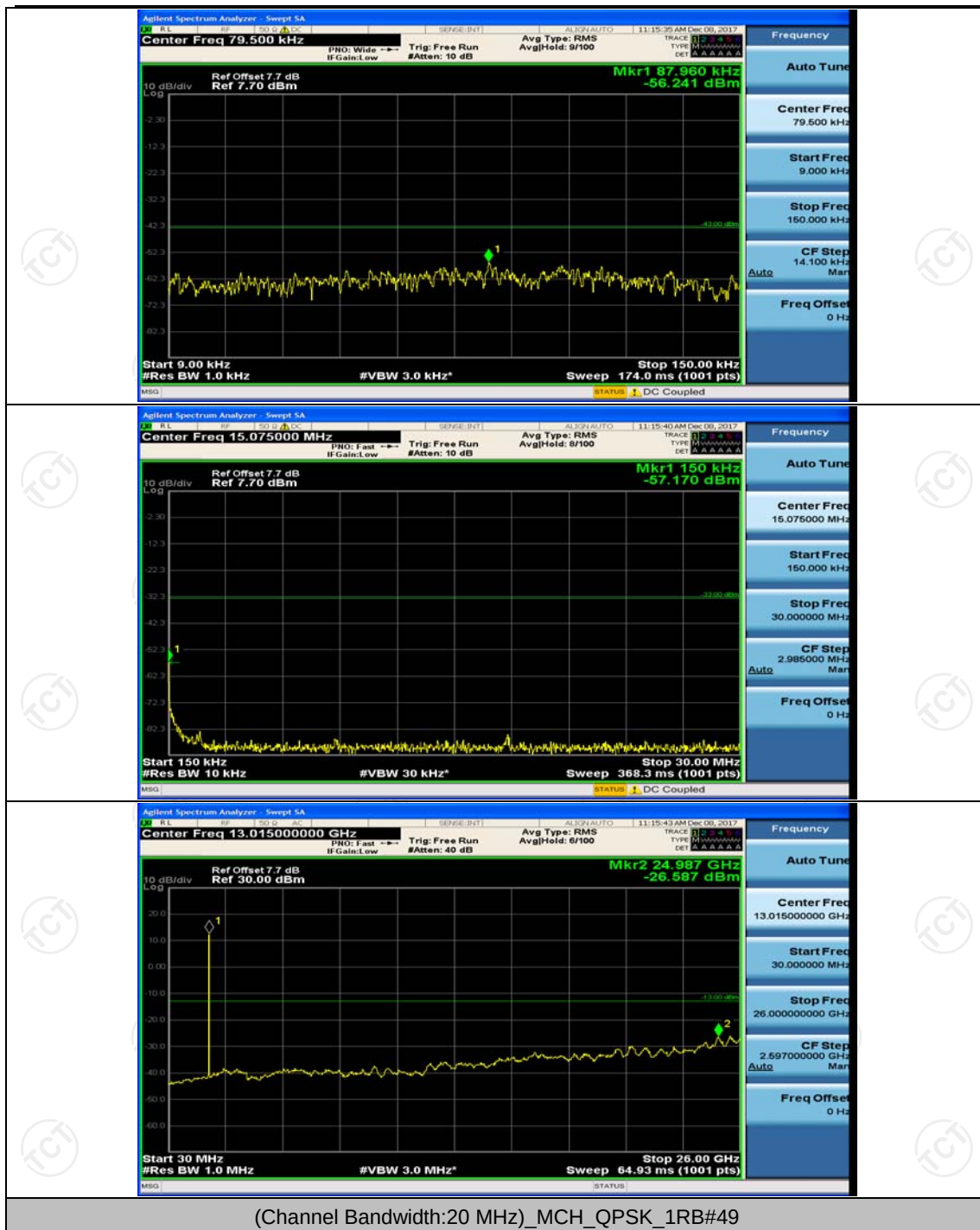
Channel Bandwidth: 20 MHz

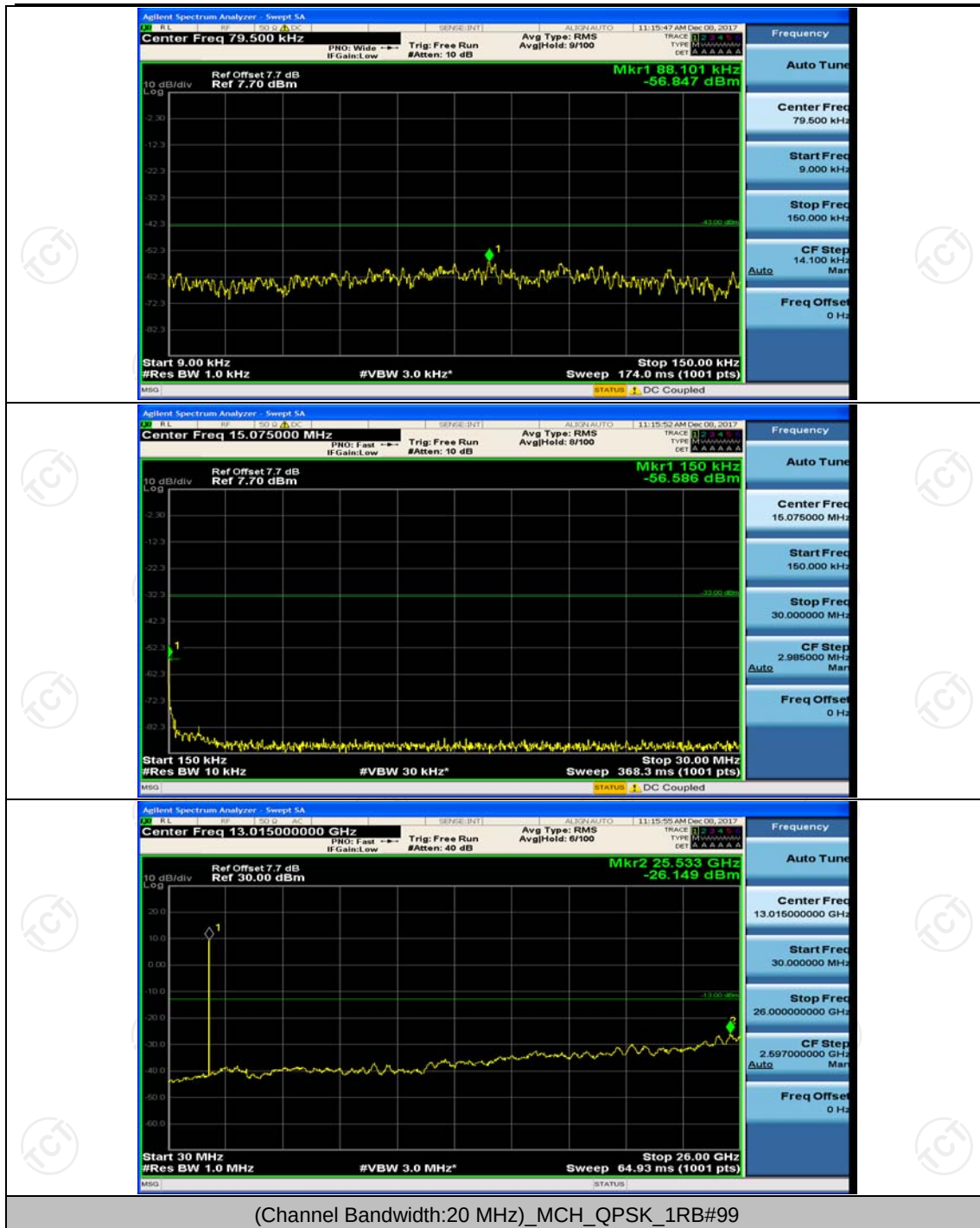


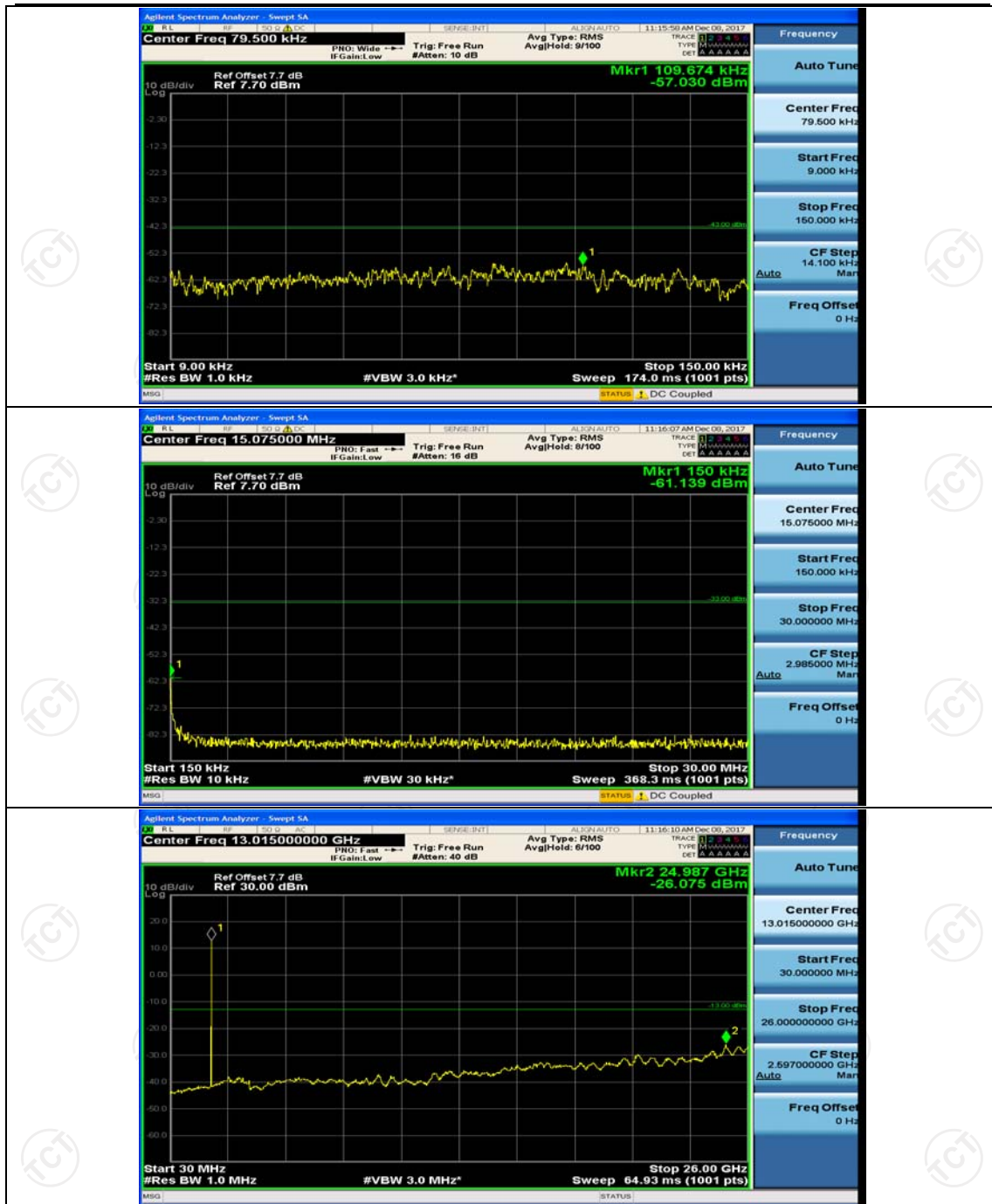




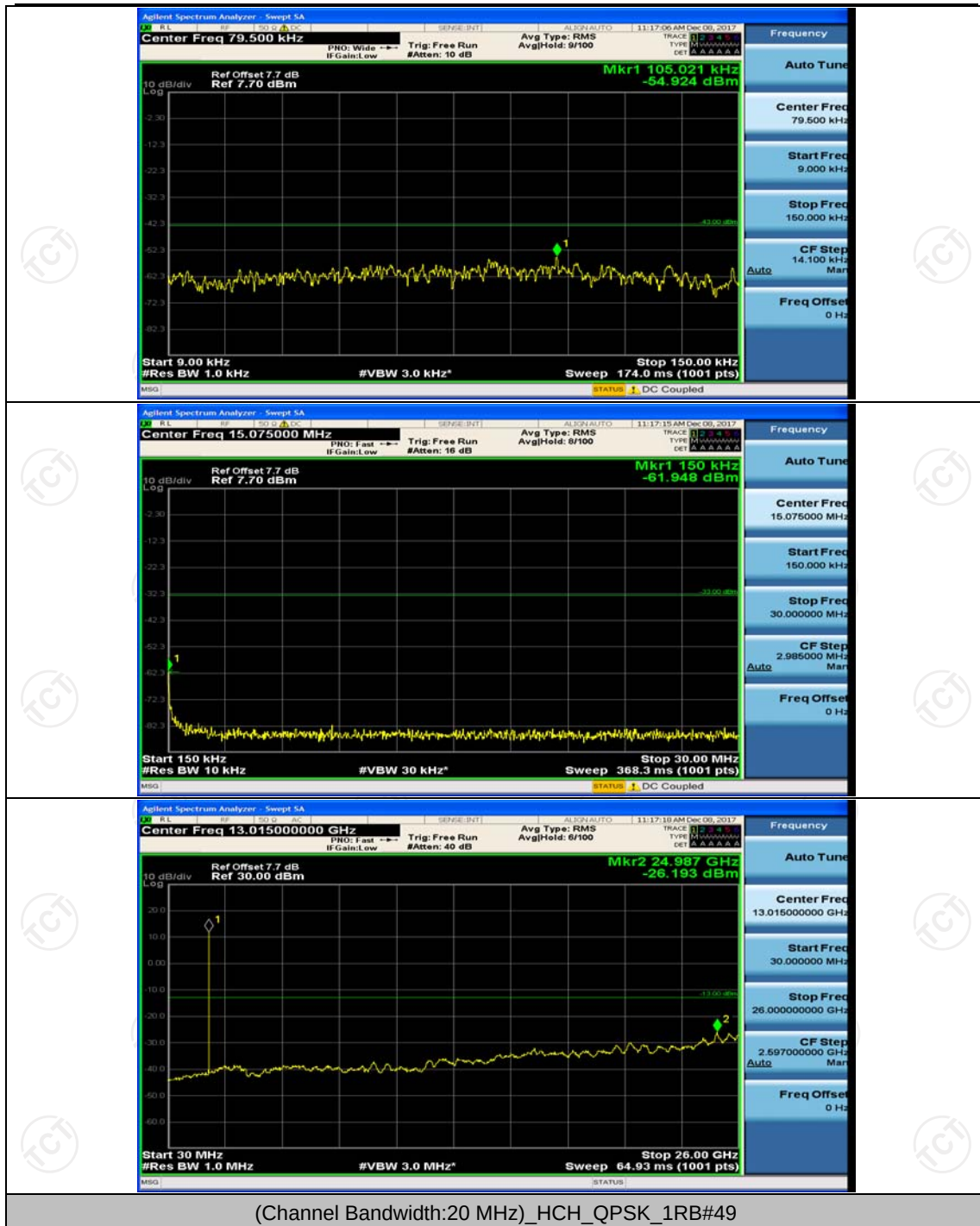
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

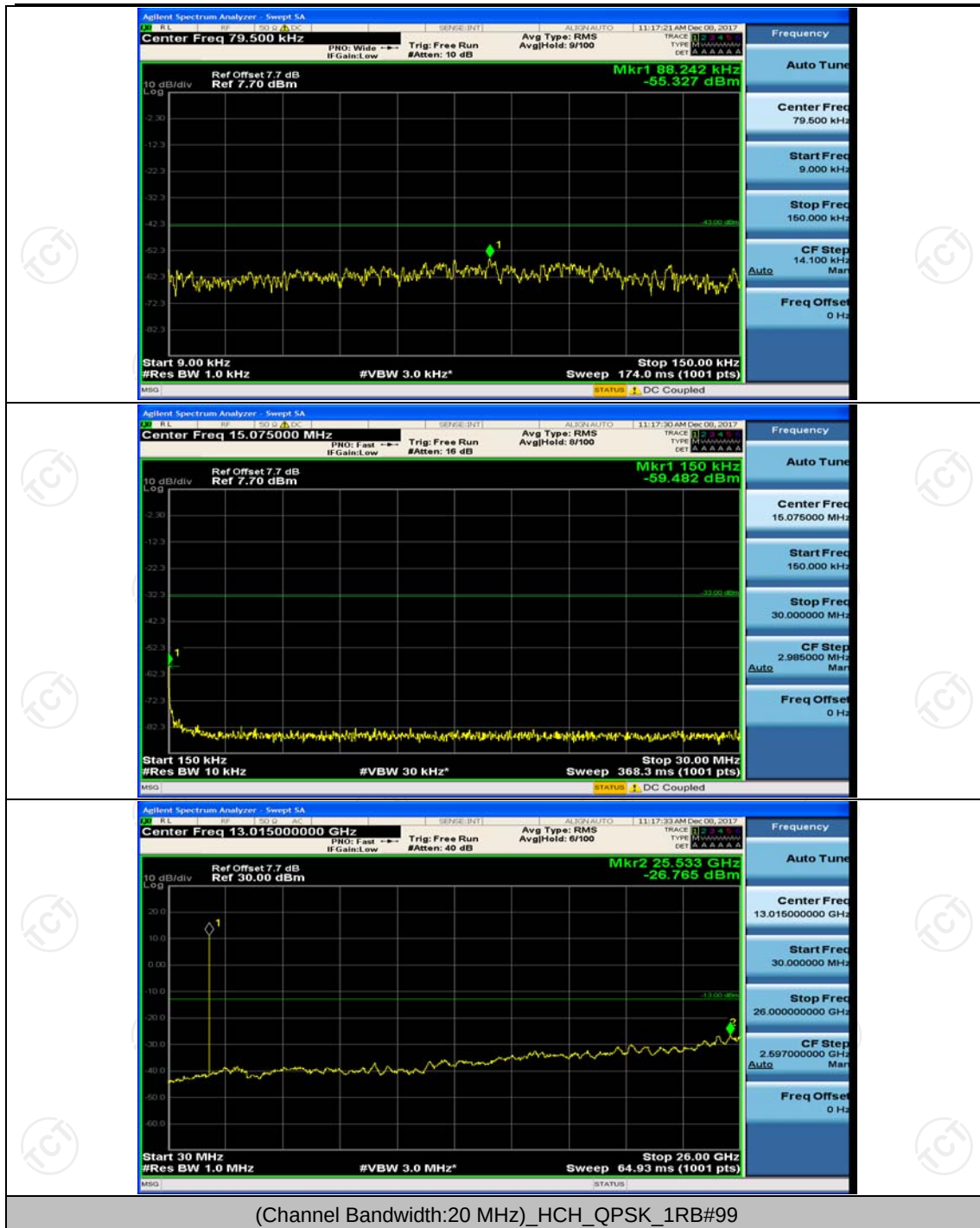


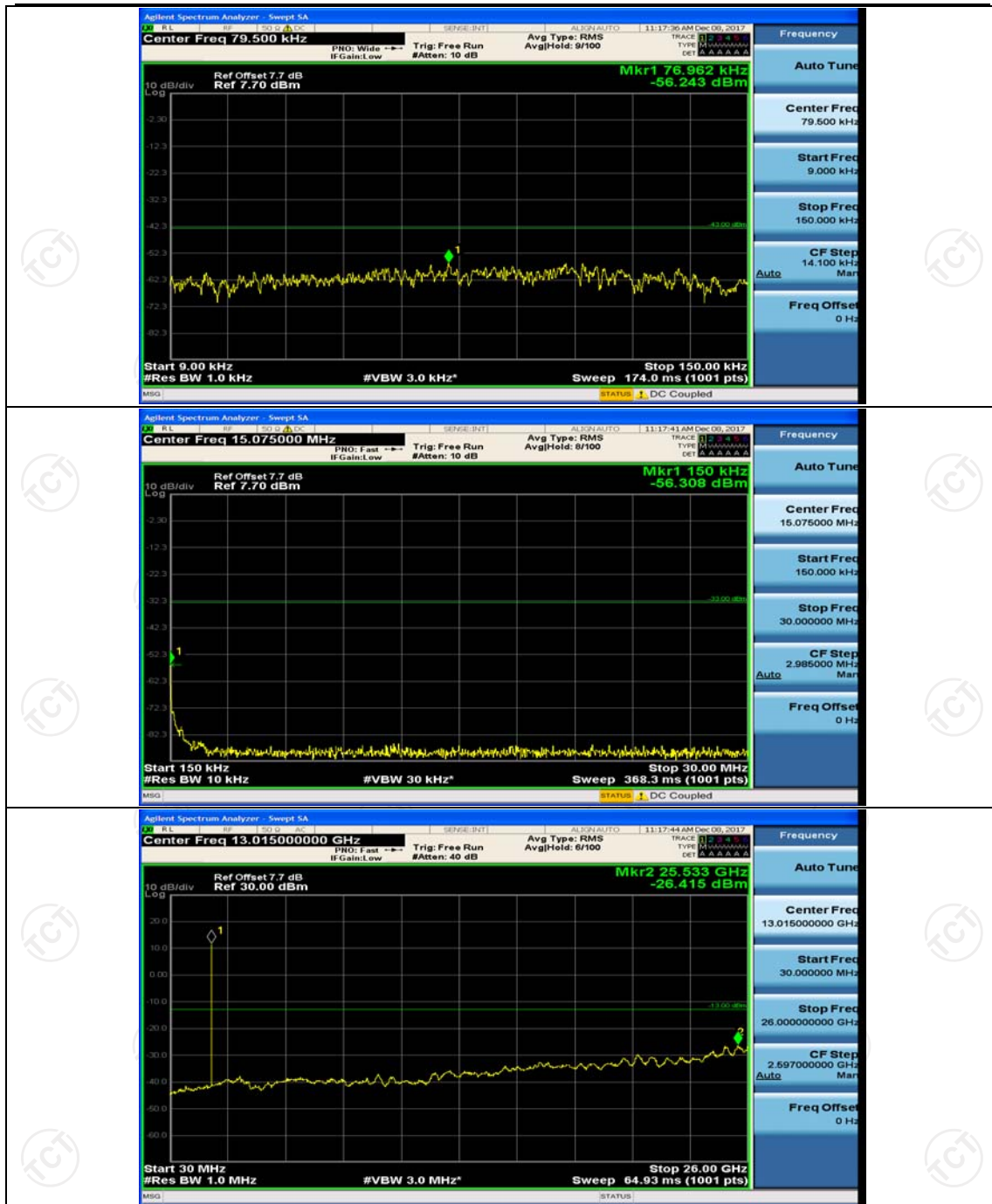




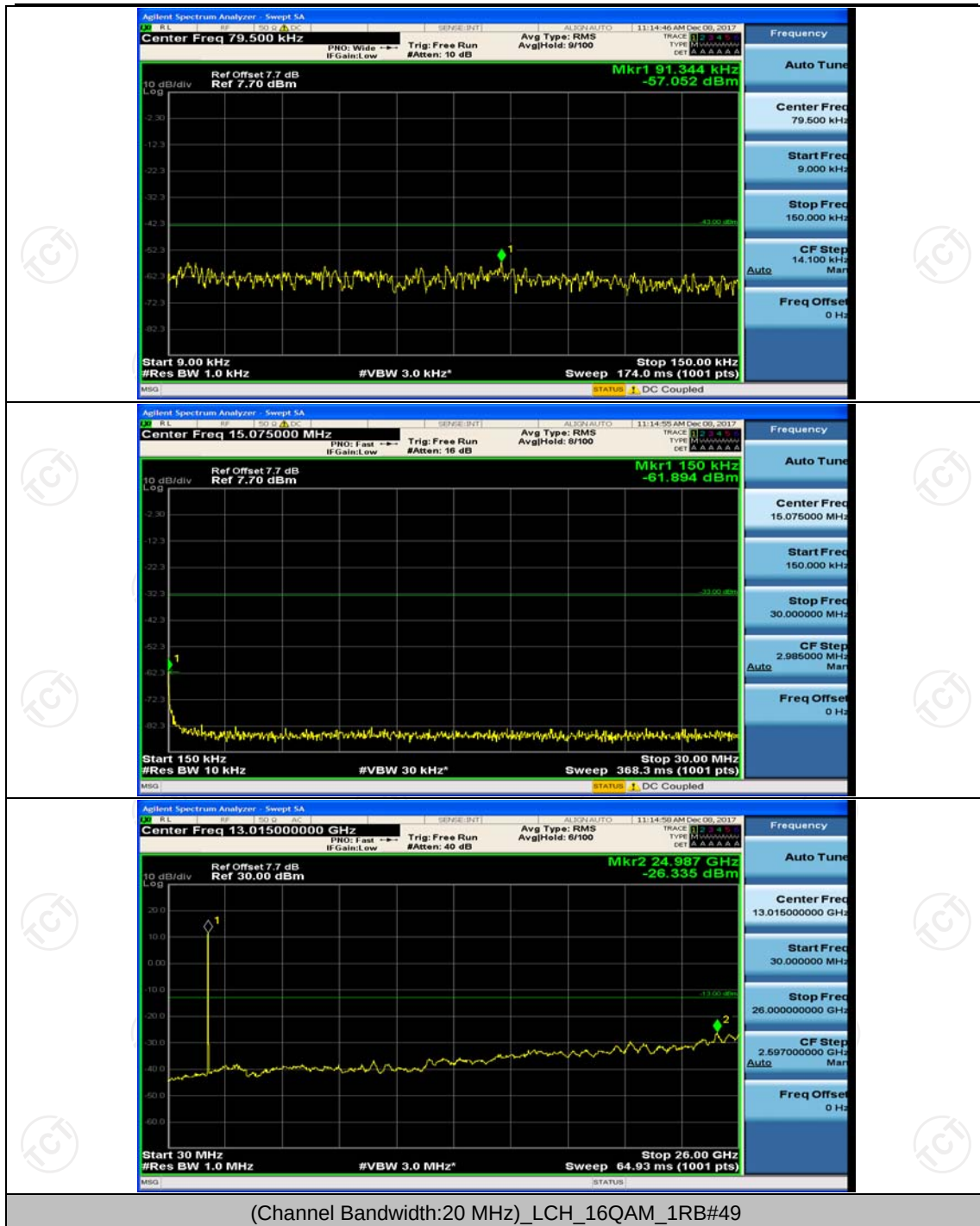
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

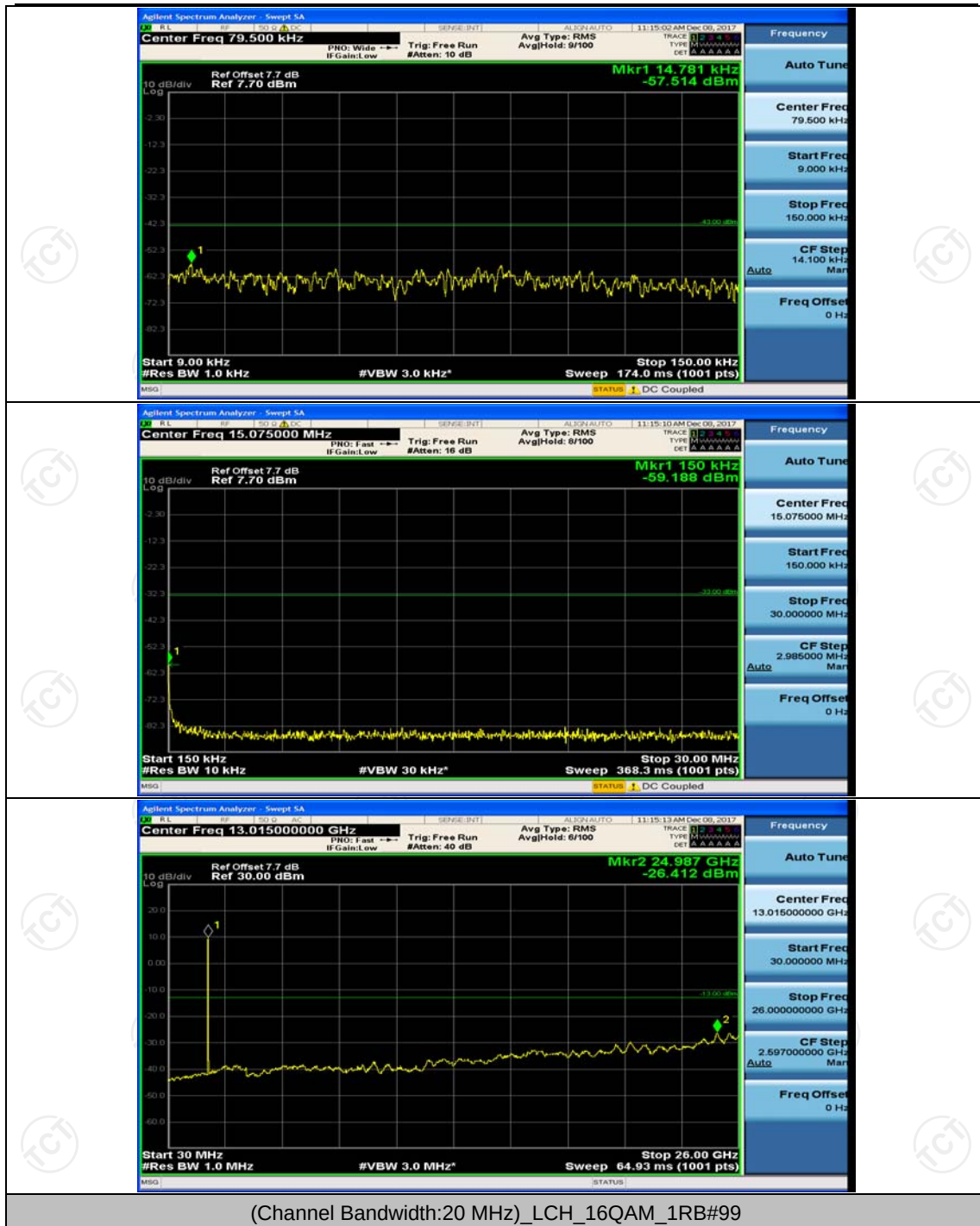


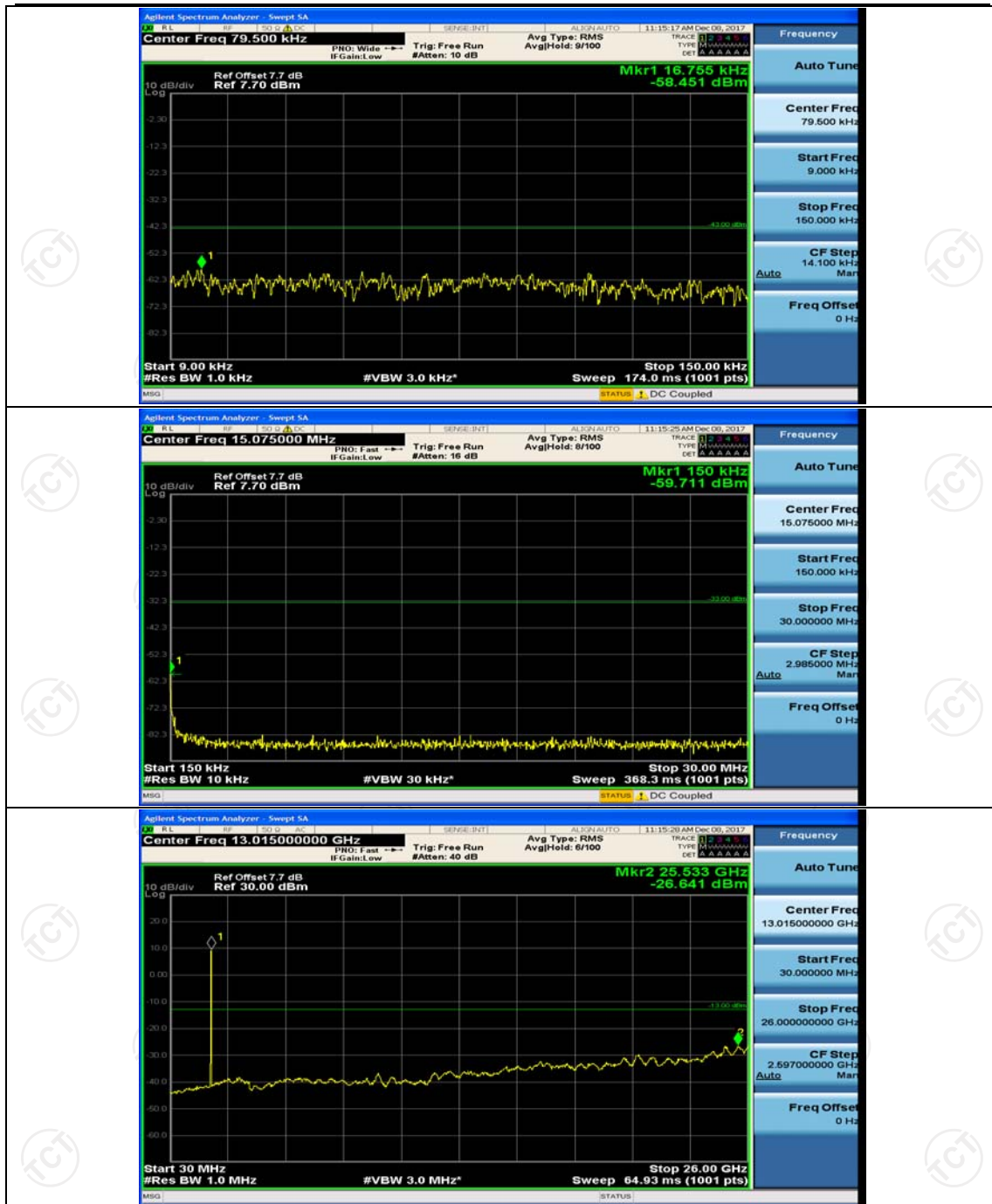




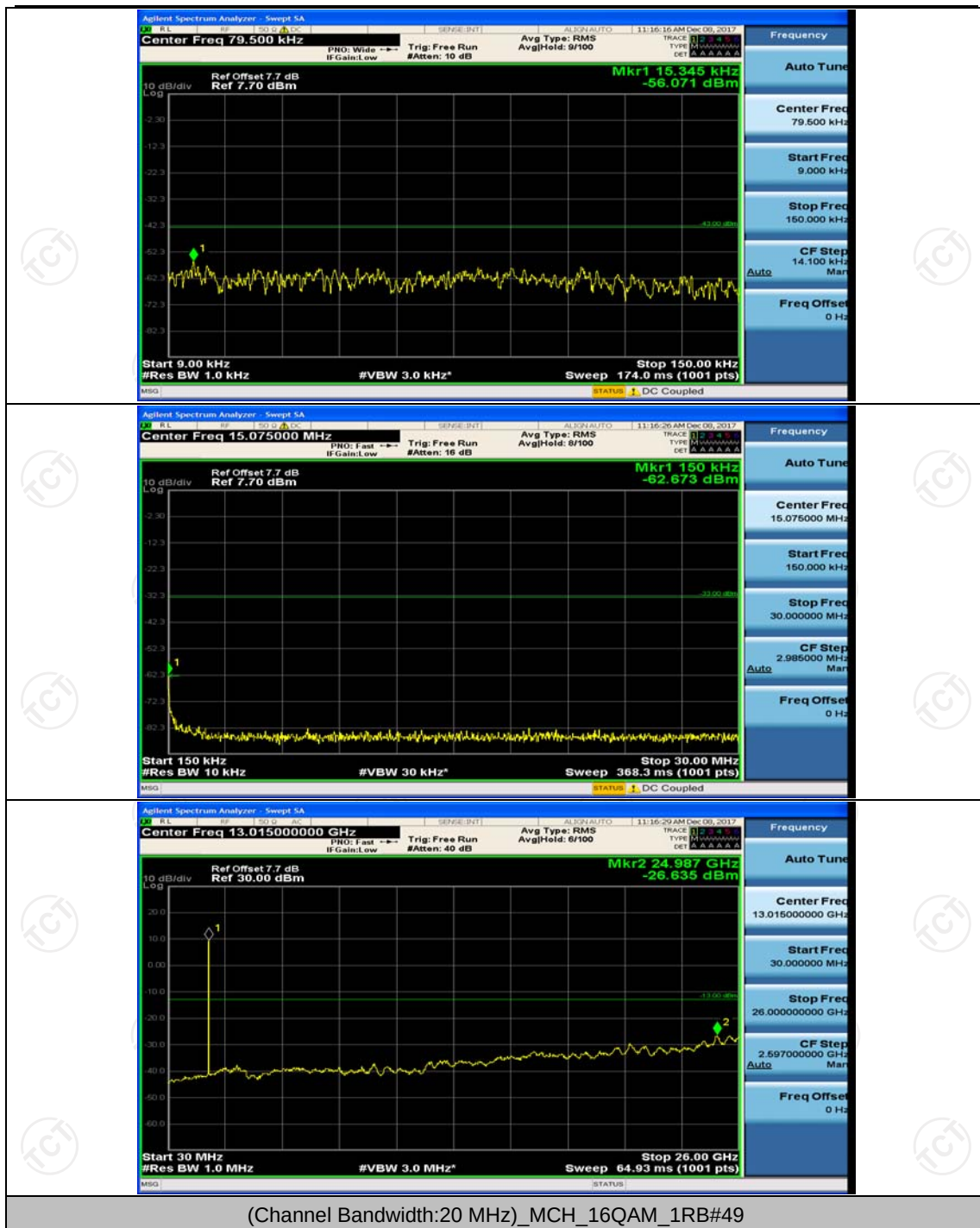
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

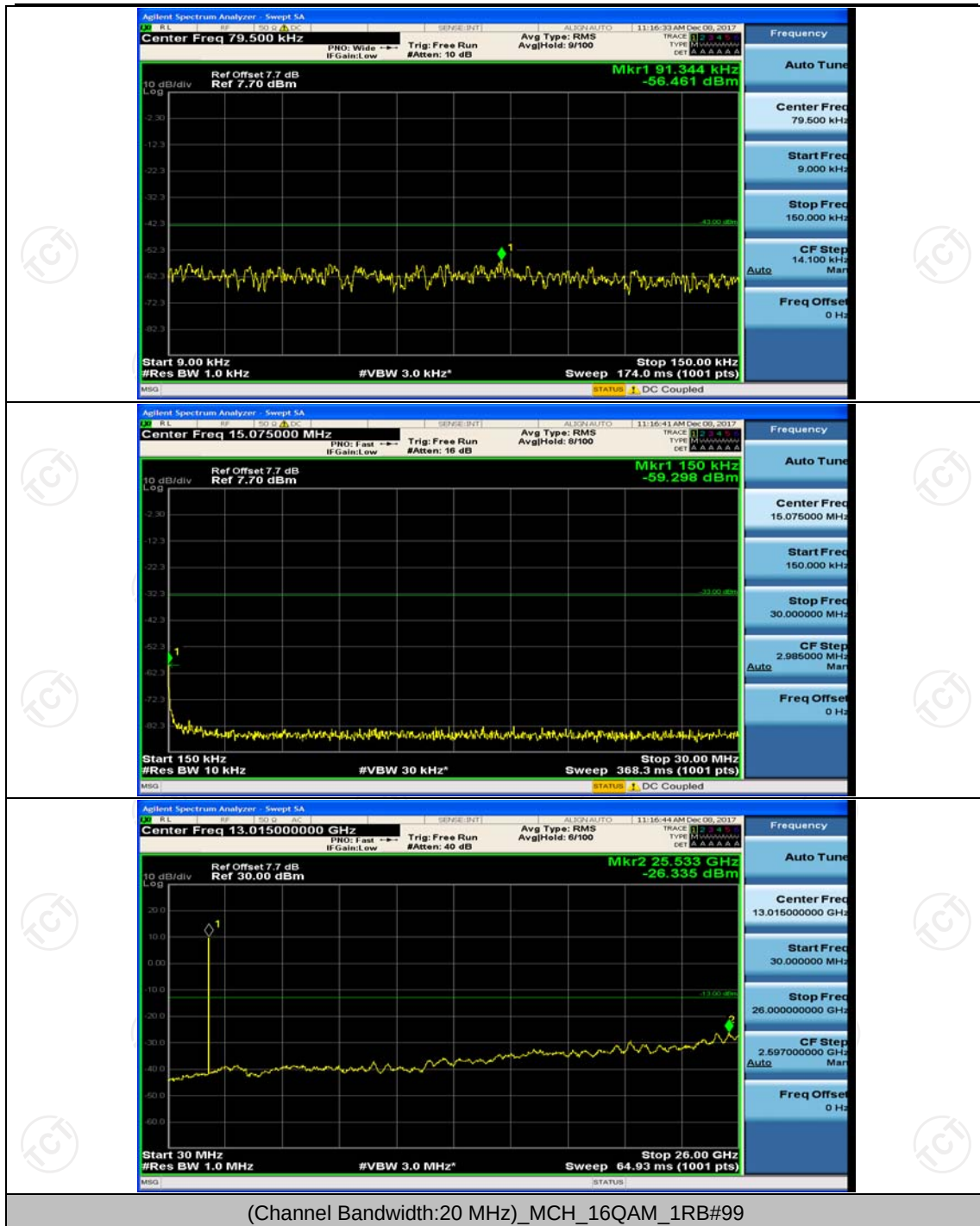


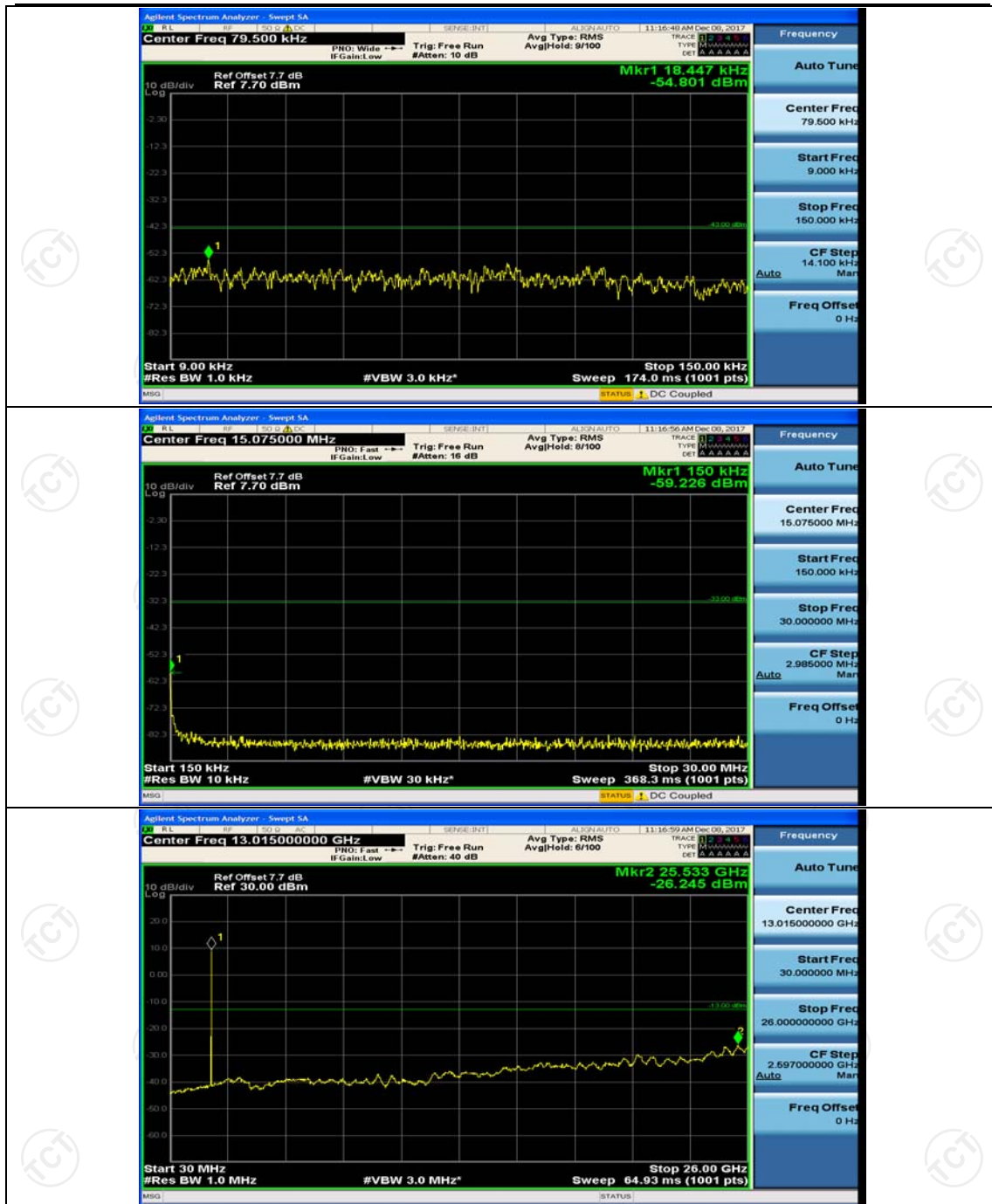




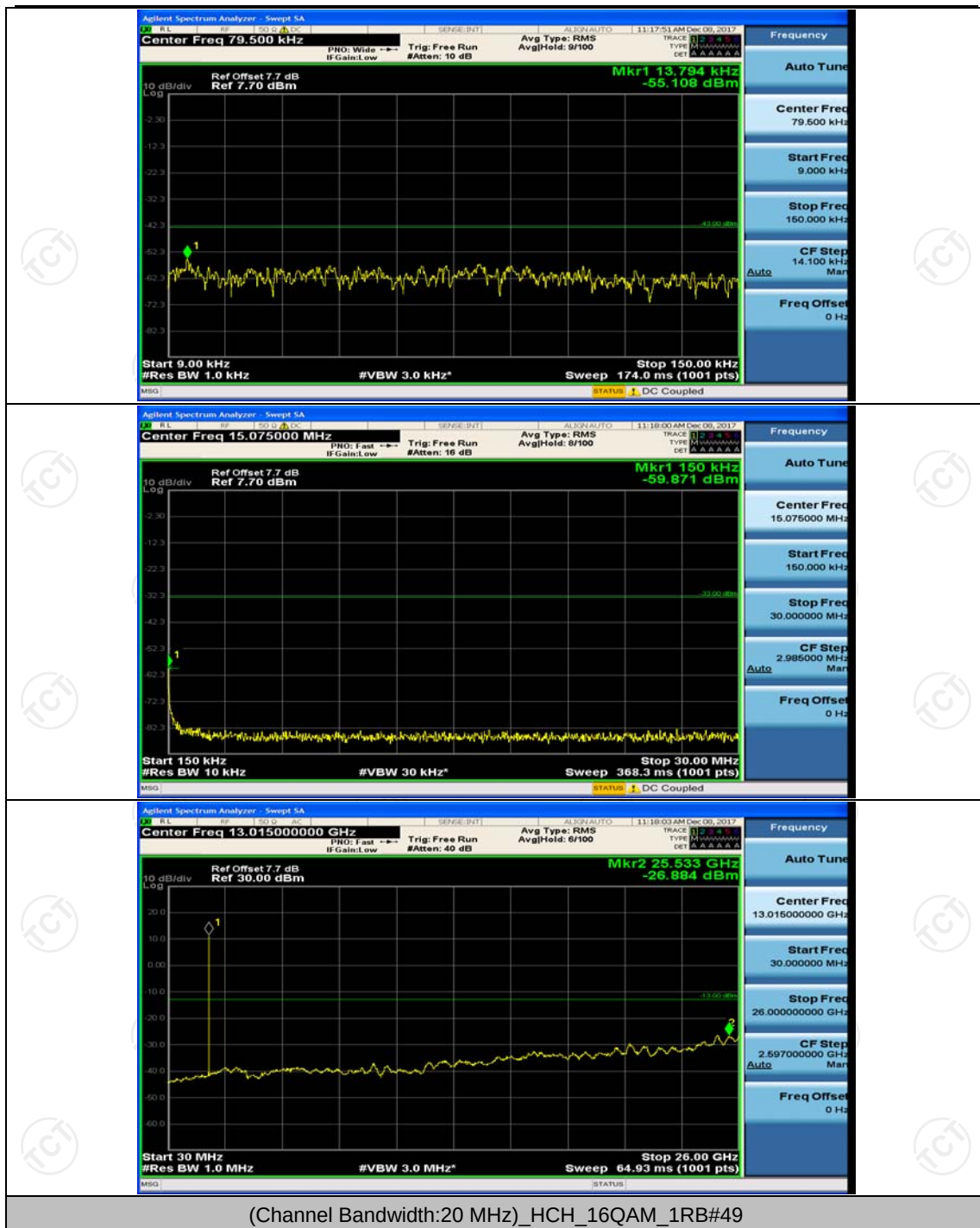
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

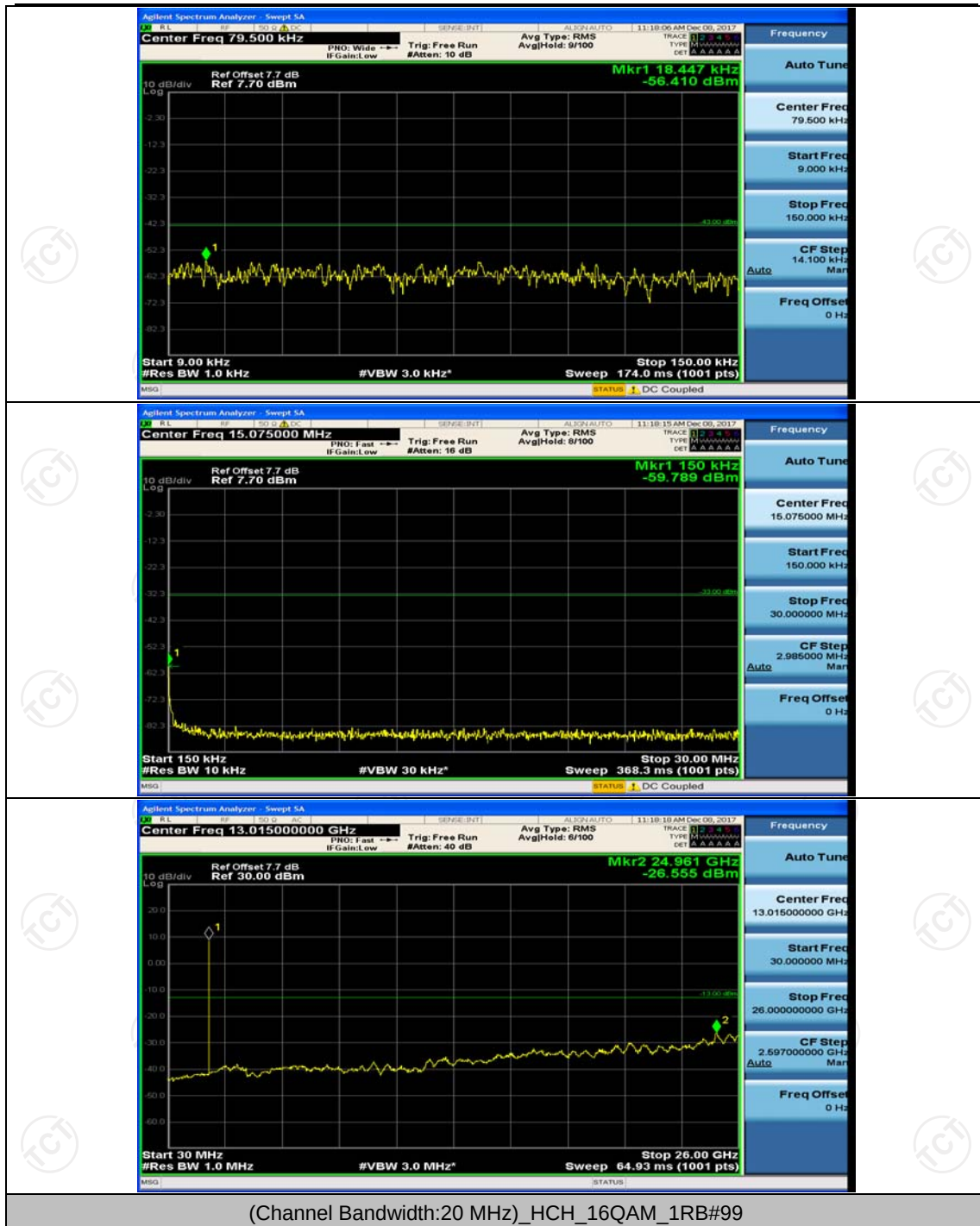


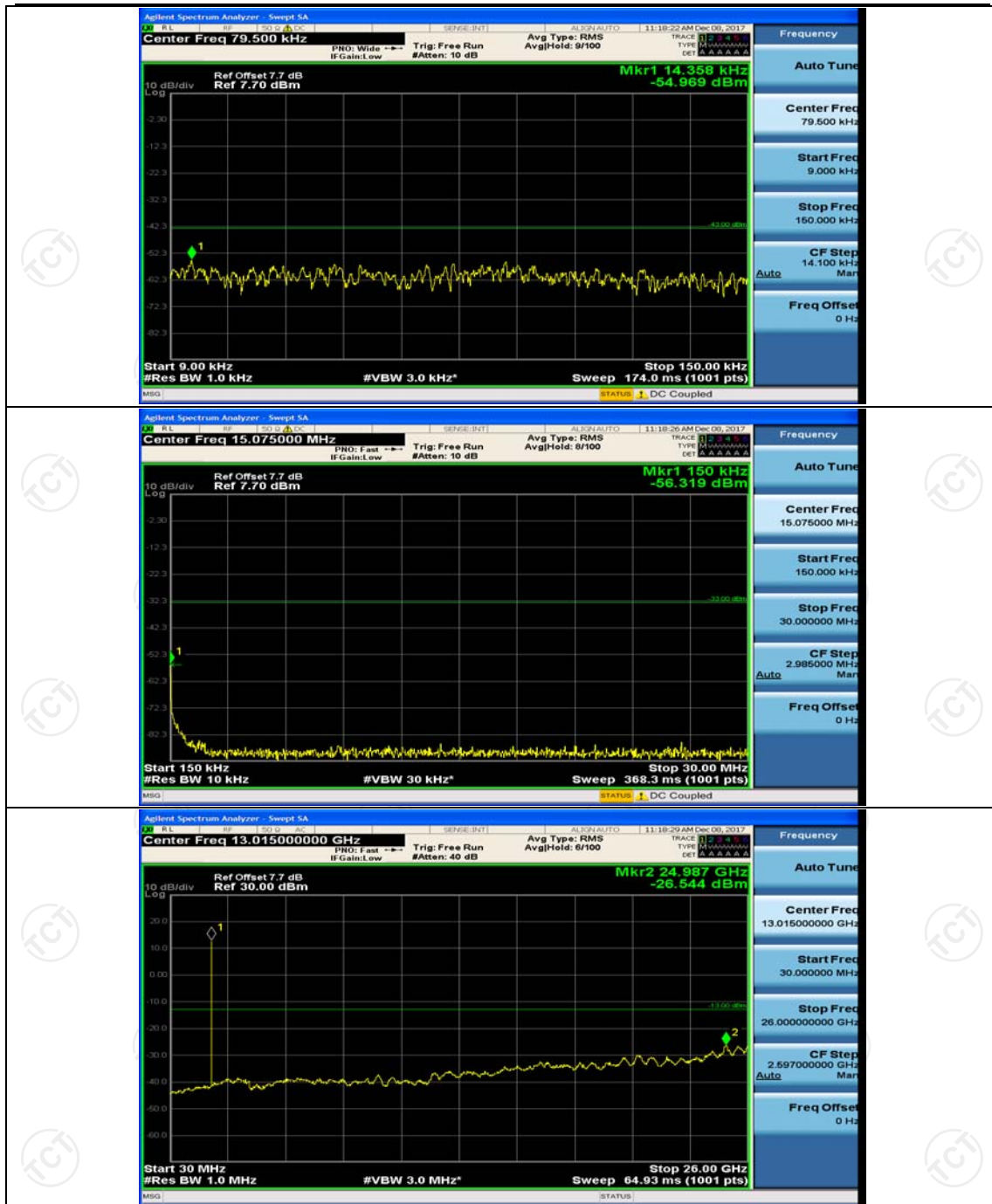




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0







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

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	7.1	TN	-0.000632	± 2.5	PASS
		7.4	TN	-0.000626	± 2.5	PASS
		8.4	TN	-0.000657	± 2.5	PASS
	MCH	7.1	TN	0.000889	± 2.5	PASS
		7.4	TN	0.000767	± 2.5	PASS
		8.4	TN	0.000534	± 2.5	PASS
	HCH	7.1	TN	-0.001745	± 2.5	PASS
		7.4	TN	-0.001846	± 2.5	PASS
		8.4	TN	-0.001639	± 2.5	PASS
16QAM	LCH	7.1	TN	-0.001326	± 2.5	PASS
		7.4	TN	-0.001469	± 2.5	PASS
		8.4	TN	-0.001285	± 2.5	PASS
	MCH	7.1	TN	0.000009	± 2.5	PASS
		7.4	TN	0.000106	± 2.5	PASS
		8.4	TN	0.000124	± 2.5	PASS
	HCH	7.1	TN	-0.002255	± 2.5	PASS
		7.4	TN	-0.002234	± 2.5	PASS
		8.4	TN	-0.002263	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	0	-0.001112	± 2.5	PASS
		VN	10	-0.001465	± 2.5	PASS
		VN	20	-0.001098	± 2.5	PASS
		VN	30	-0.001152	± 2.5	PASS
		VN	40	-0.001105	± 2.5	PASS
		VN	45	-0.001445	± 2.5	PASS
	MCH	VN	0	0.000289	± 2.5	PASS
		VN	10	0.000567	± 2.5	PASS
		VN	20	0.000540	± 2.5	PASS
		VN	30	0.000783	± 2.5	PASS
		VN	40	0.000129	± 2.5	PASS
		VN	45	0.000296	± 2.5	PASS
	HCH	VN	0	-0.002475	± 2.5	PASS
		VN	10	-0.001633	± 2.5	PASS
		VN	20	-0.001704	± 2.5	PASS

16QAM		VN	30	-0.002242	± 2.5	PASS
		VN	40	-0.002459	± 2.5	PASS
		VN	45	-0.001622	± 2.5	PASS
	LCH	VN	0	-0.001235	± 2.5	PASS
		VN	10	-0.001476	± 2.5	PASS
		VN	20	-0.001585	± 2.5	PASS
		VN	30	-0.000719	± 2.5	PASS
		VN	40	-0.001252	± 2.5	PASS
		VN	45	-0.001422	± 2.5	PASS
	MCH	VN	0	-0.000189	± 2.5	PASS
		VN	10	-0.000396	± 2.5	PASS
		VN	20	-0.000091	± 2.5	PASS
		VN	30	-0.000502	± 2.5	PASS
		VN	40	-0.000243	± 2.5	PASS
		VN	45	-0.000030	± 2.5	PASS
	HCH	VN	0	-0.001362	± 2.5	PASS
		VN	10	-0.001746	± 2.5	PASS
		VN	20	-0.001988	± 2.5	PASS
		VN	30	-0.001734	± 2.5	PASS
		VN	40	-0.001823	± 2.5	PASS
		VN	45	-0.001651	± 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)		
3701.4	Vertical	-39.42	-13.00	PASS
5552.1	V	-44.64		
-	V	-		
3701.4	Horizontal	-43.55		
5552.1	H	-40.98		
-	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)		
3765	Vertical	-43.10	-13.00	PASS
5647.5	V	-42.63		
-	V	-		
3765	Horizontal	-44.55		
5647.5	H	-43.42		
-	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)		
3828.6	Vertical	-41.80	-13.00	PASS
5742.9	V	-44.31		
-	V	-		
3828.6	Horizontal	-43.67		
5742.9	H	-42.72		
-	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)		
3701.4	Vertical	-41.48	-13.00	PASS
5552.1	V	-45.63		
-	V	-		
3701.4	Horizontal	-42.92		
5552.1	H	-44.64		
-	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)		
3765	Vertical	-42.42	-13.00	PASS
5647.5	V	-44.52		
-	V	-		
3765	Horizontal	-41.89		
5647.5	H	-44.37		
-	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)		
3828.6	Vertical	-42.74	-13.00	PASS
5742.9	V	-43.48		
-	V	-		
3828.6	Horizontal	-43.51		
5742.9	H	-43.92		
-	H	-		

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