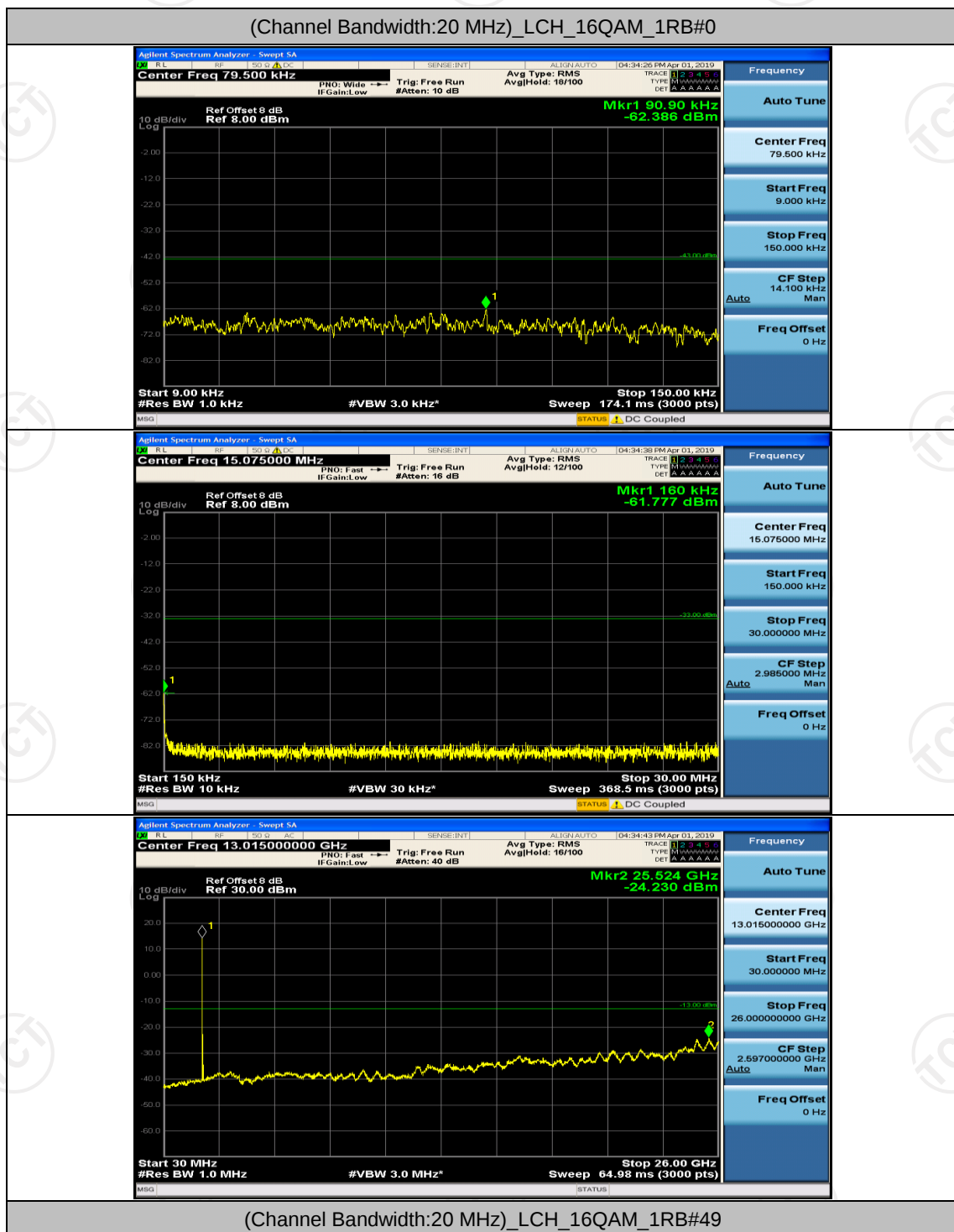
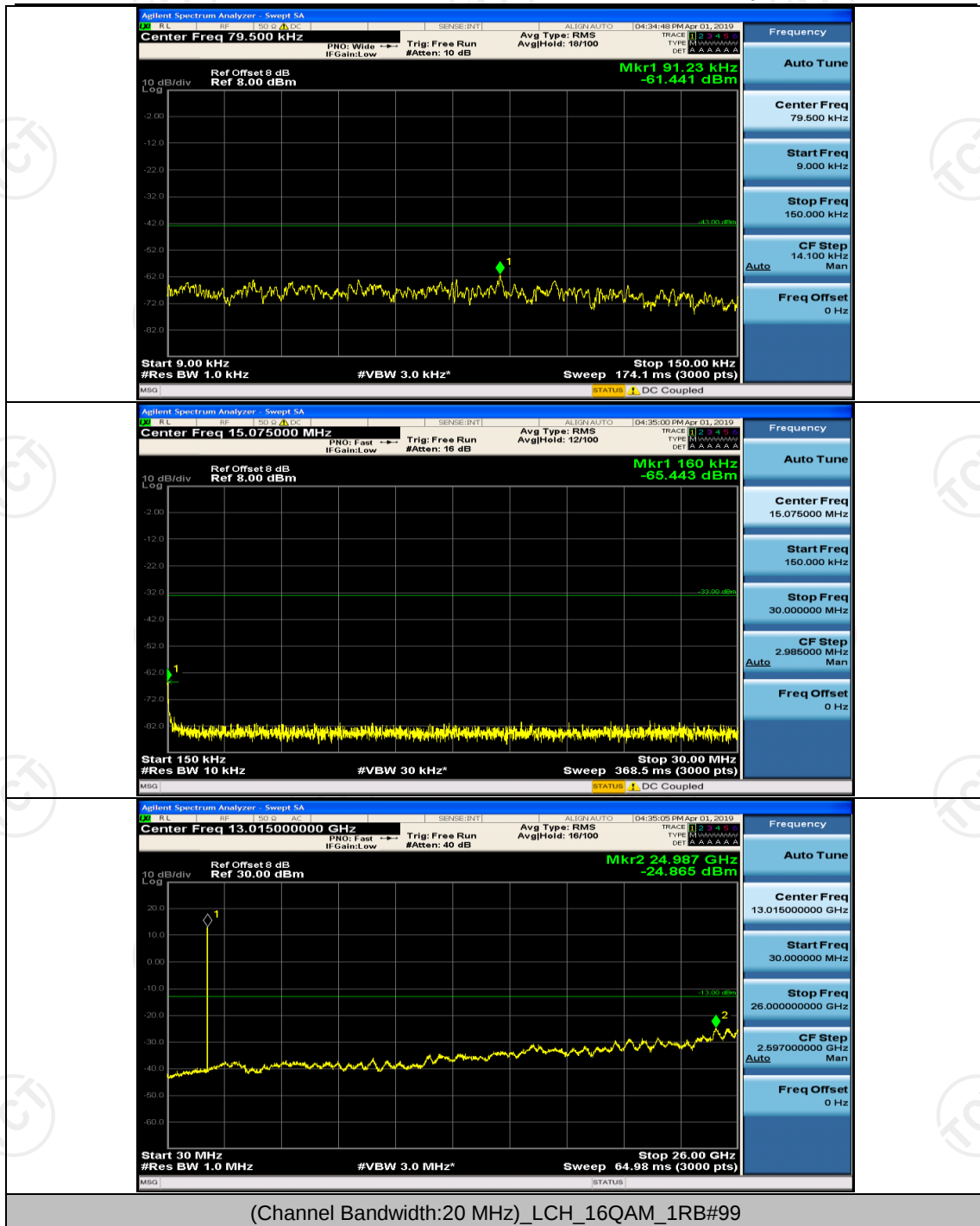
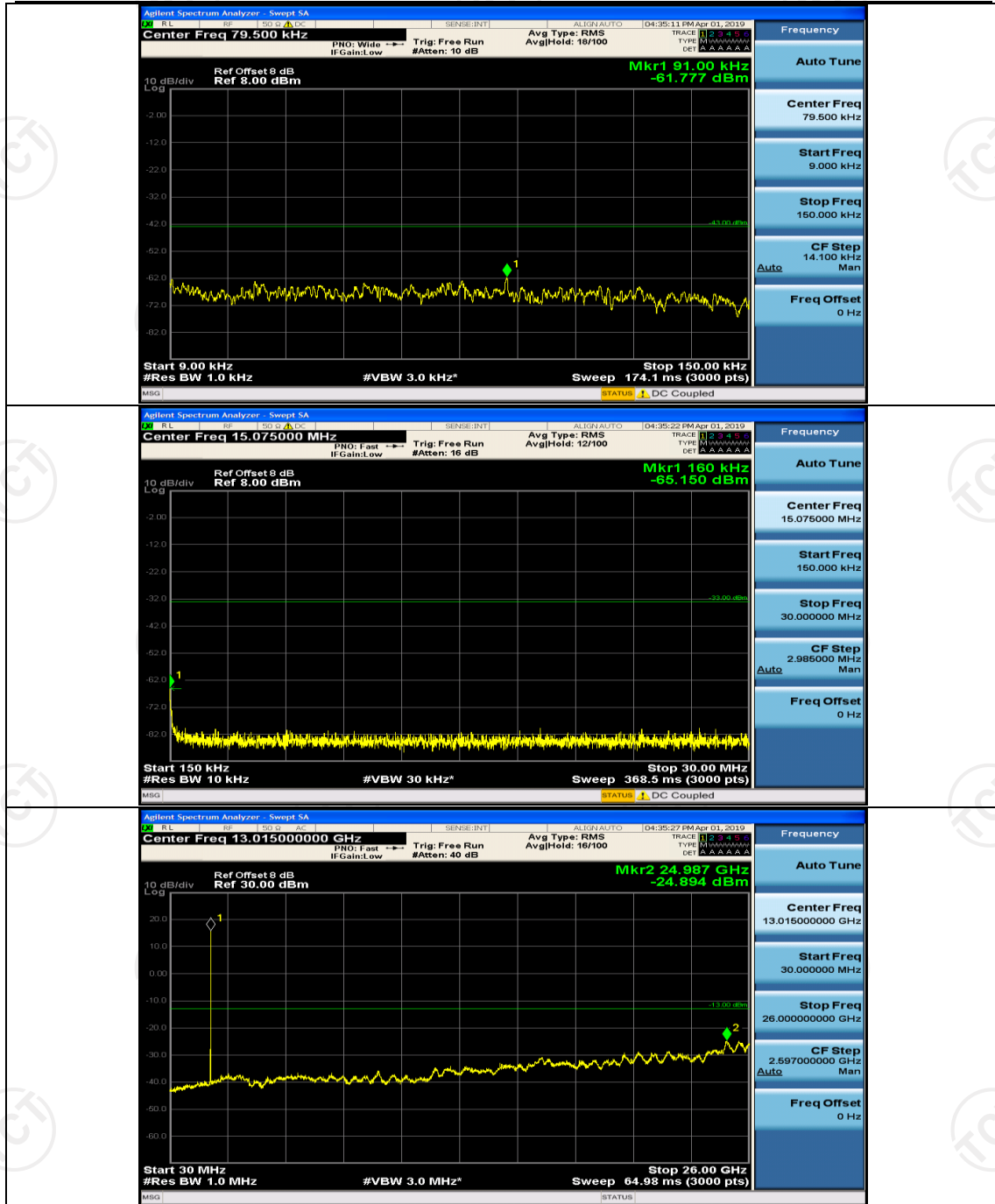
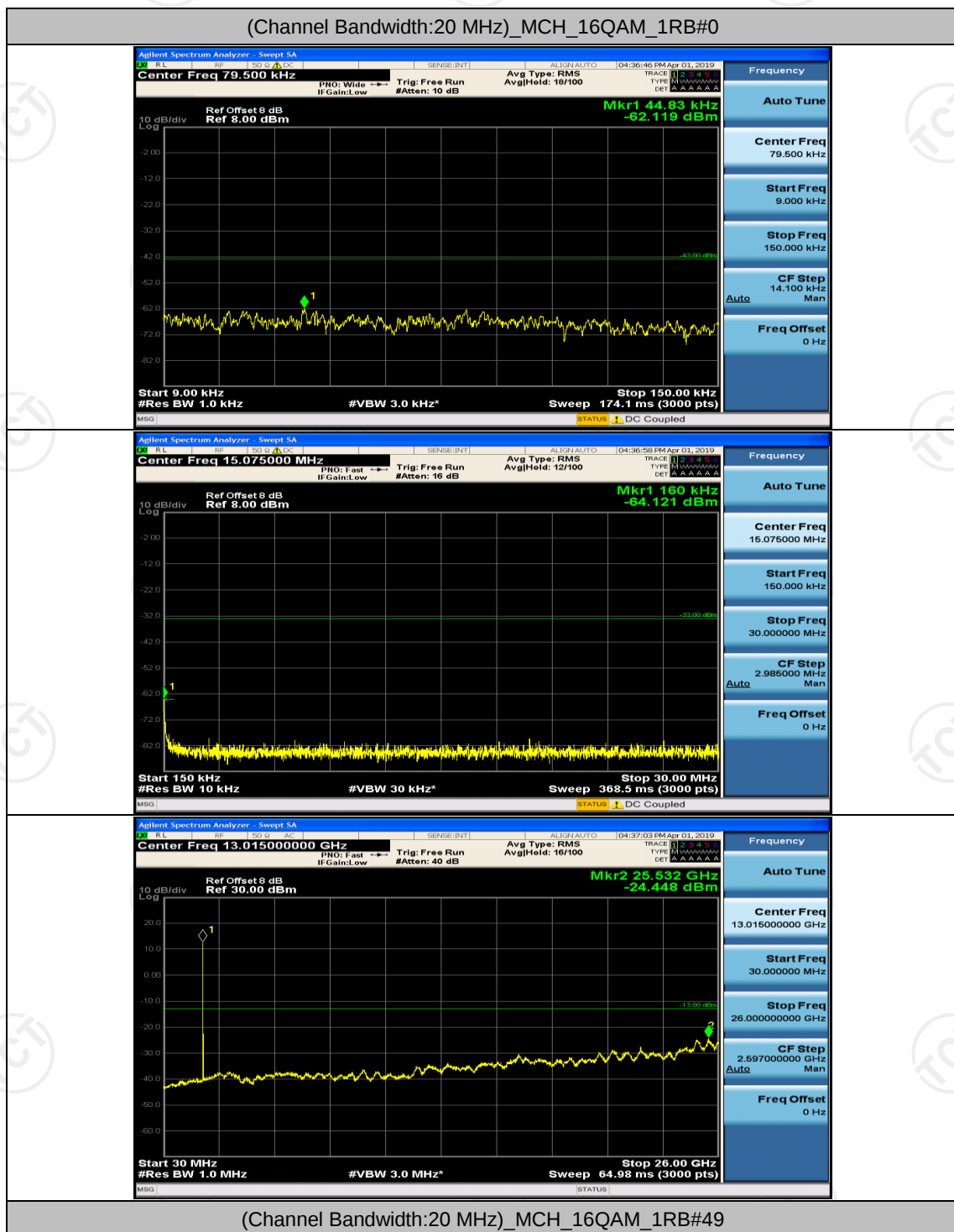
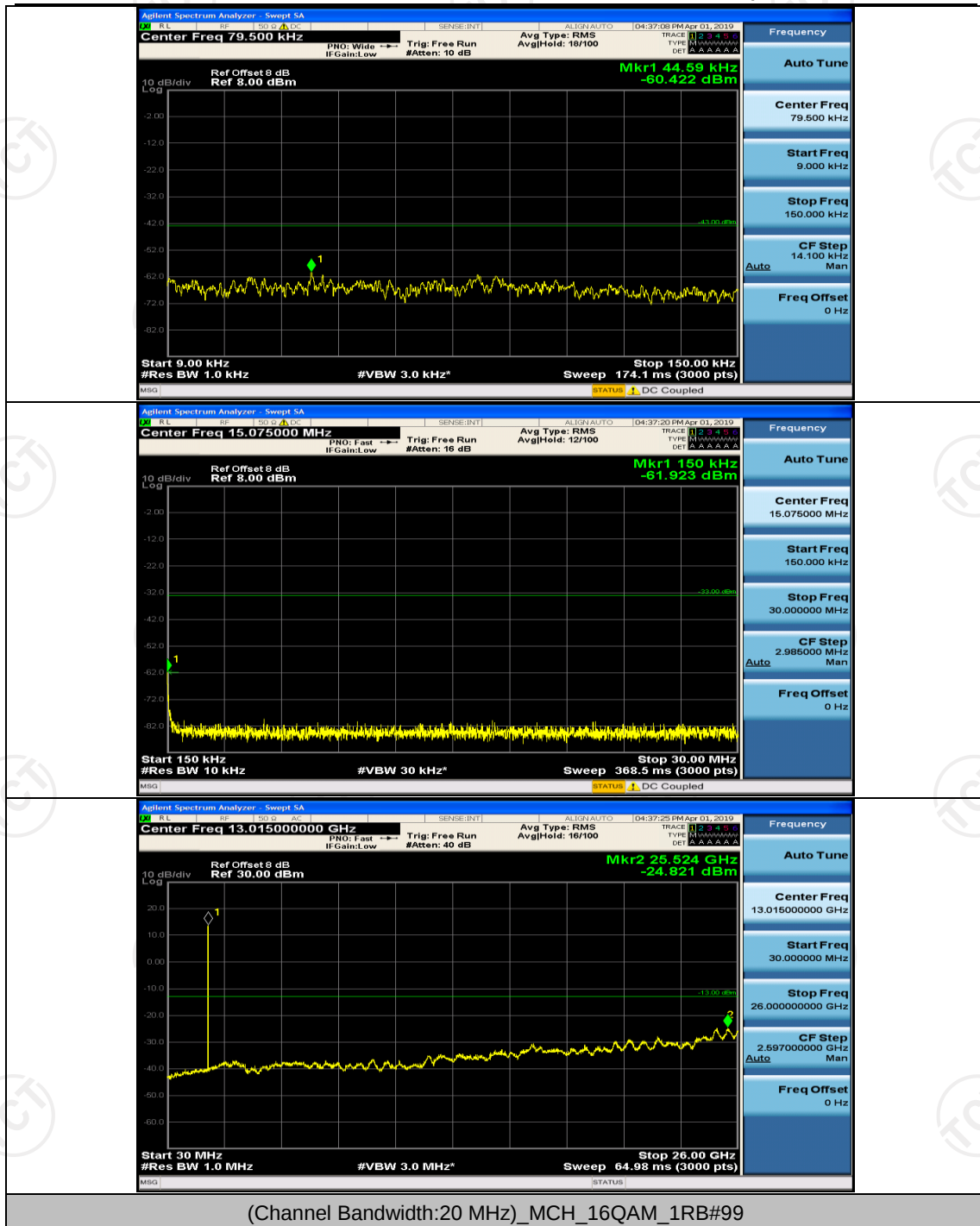


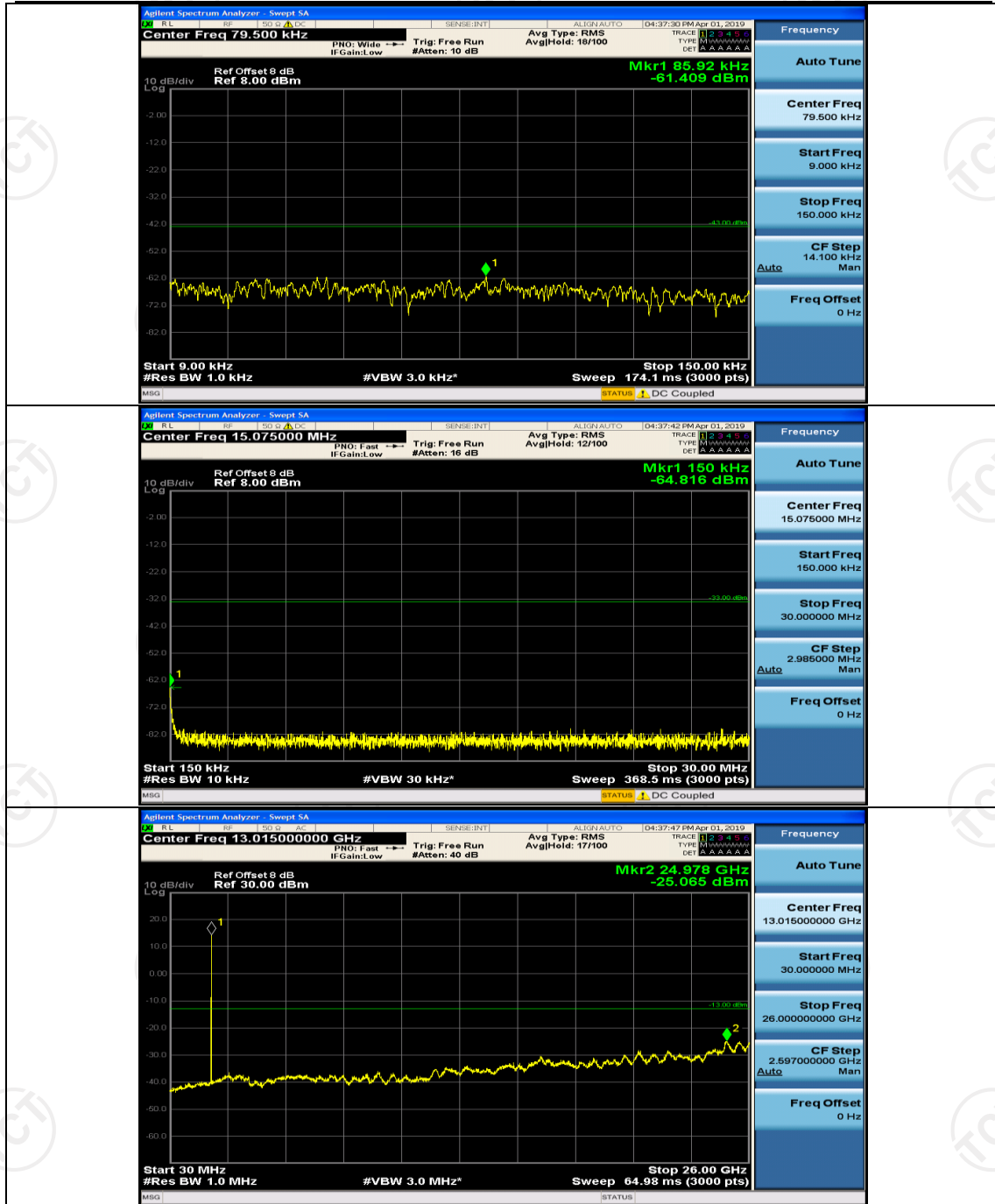


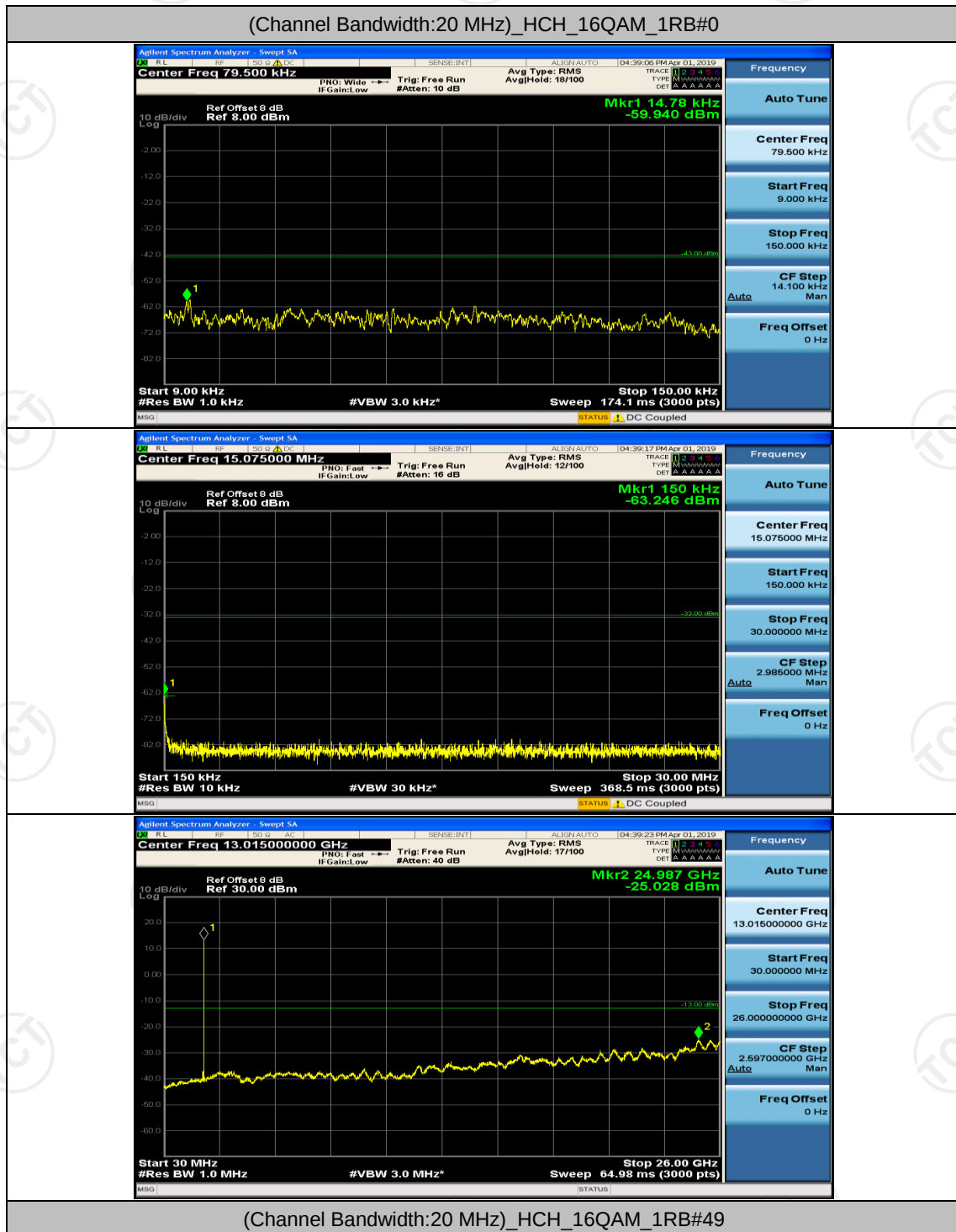


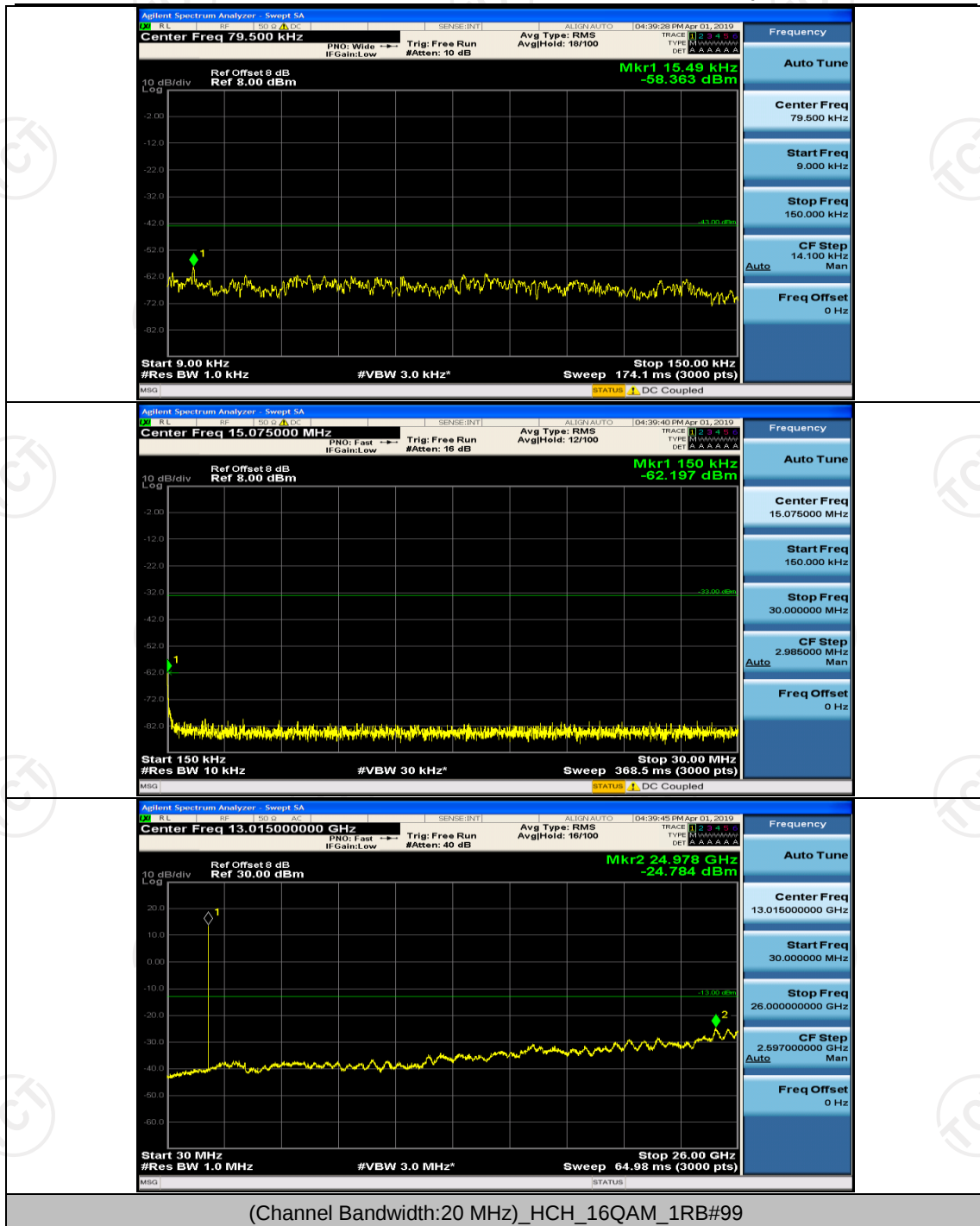


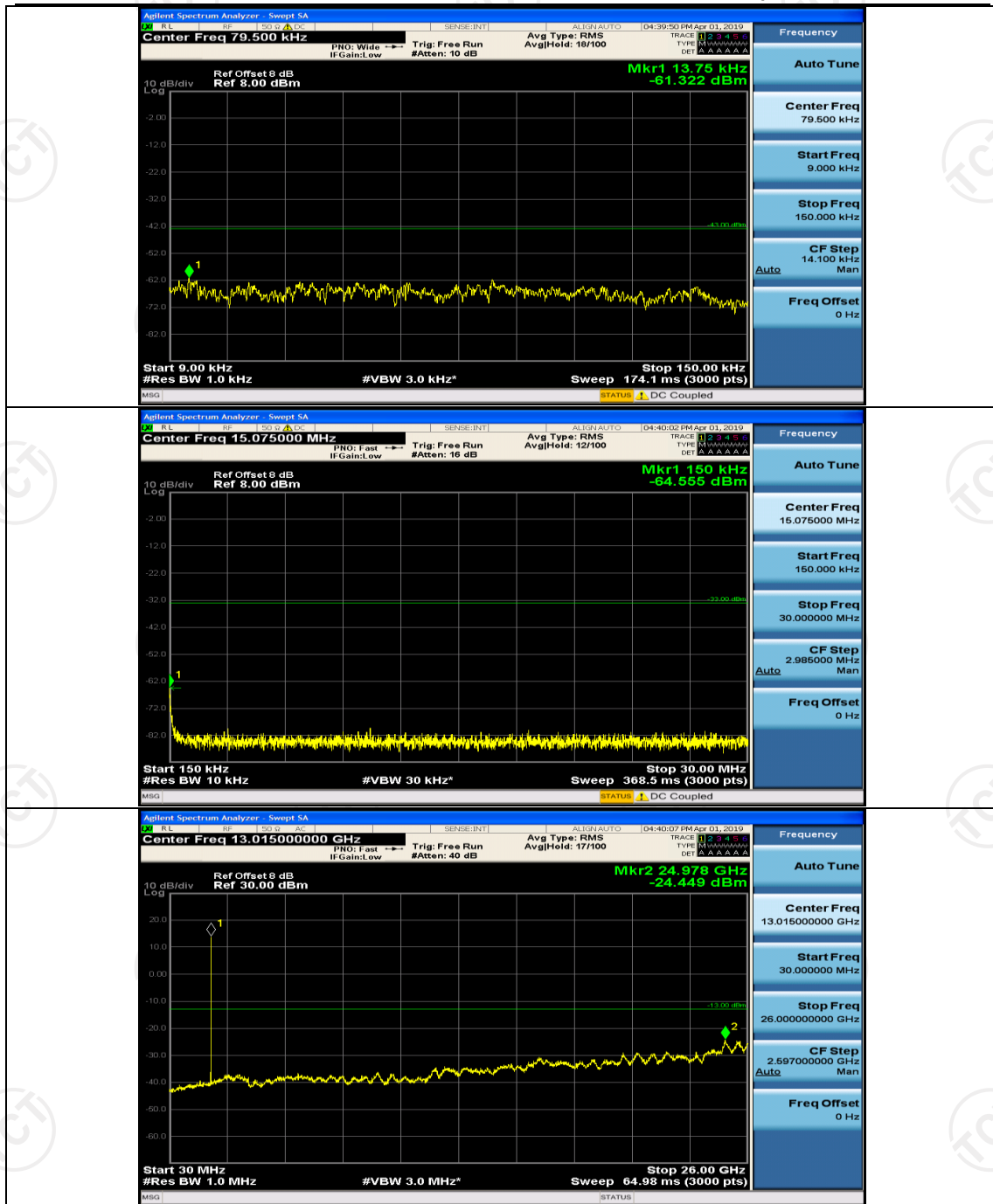












Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.001506	± 2.5	PASS
		VN	TN	-0.000738	± 2.5	PASS
		VH	TN	-0.001295	± 2.5	PASS
	MCH	VL	TN	-0.001212	± 2.5	PASS
		VN	TN	-0.001345	± 2.5	PASS
		VH	TN	-0.002070	± 2.5	PASS
	HCH	VL	TN	-0.001164	± 2.5	PASS
		VN	TN	-0.001256	± 2.5	PASS
		VH	TN	-0.001971	± 2.5	PASS
16QAM	LCH	VL	TN	-0.000124	± 2.5	PASS
		VN	TN	0.000315	± 2.5	PASS
		VH	TN	0.000723	± 2.5	PASS
	MCH	VL	TN	0.001131	± 2.5	PASS
		VN	TN	0.000915	± 2.5	PASS
		VH	TN	0.000712	± 2.5	PASS
	HCH	VL	TN	0.000835	± 2.5	PASS
		VN	TN	-0.001425	± 2.5	PASS
		VH	TN	-0.001529	± 2.5	PASS
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.001679	± 2.5	PASS
		VN	-20	-0.001792	± 2.5	PASS
		VN	-10	-0.001107	± 2.5	PASS
		VN	0	-0.001596	± 2.5	PASS
		VN	10	-0.000586	± 2.5	PASS
		VN	20	-0.001043	± 2.5	PASS
		VN	30	-0.001971	± 2.5	PASS
		VN	40	-0.001345	± 2.5	PASS
	MCH	VN	50	-0.000943	± 2.5	PASS
		VN	-30	-0.002138	± 2.5	PASS
		VN	-20	-0.001803	± 2.5	PASS
		VN	-10	-0.002039	± 2.5	PASS
		VN	0	-0.001803	± 2.5	PASS
		VN	10	-0.001023	± 2.5	PASS
		VN	20	-0.002077	± 2.5	PASS
		VN	30	-0.001834	± 2.5	PASS
		VN	40	-0.001879	± 2.5	PASS

	HCH	VN	50	-0.001994	± 2.5	PASS
		VN	-30	-0.001364	± 2.5	PASS
		VN	-20	0.000254	± 2.5	PASS
		VN	-10	0.000138	± 2.5	PASS
		VN	0	0.000208	± 2.5	PASS
		VN	10	0.000577	± 2.5	PASS
		VN	20	0.000352	± 2.5	PASS
		VN	30	0.000607	± 2.5	PASS
		VN	40	0.001124	± 2.5	PASS
		VN	50	0.000450	± 2.5	PASS
16QAM	LCH	VN	-30	-0.002391	± 2.5	PASS
		VN	-20	-0.001060	± 2.5	PASS
		VN	-10	-0.001571	± 2.5	PASS
		VN	0	-0.001399	± 2.5	PASS
		VN	10	-0.001531	± 2.5	PASS
		VN	20	-0.002157	± 2.5	PASS
		VN	30	-0.001484	± 2.5	PASS
		VN	40	-0.000788	± 2.5	PASS
		VN	50	-0.002249	± 2.5	PASS
	MCH	VN	-30	-0.001917	± 2.5	PASS
		VN	-20	-0.001499	± 2.5	PASS
		VN	-10	-0.002062	± 2.5	PASS
		VN	0	-0.001225	± 2.5	PASS
		VN	10	-0.001123	± 2.5	PASS
		VN	20	-0.001727	± 2.5	PASS
		VN	30	-0.002169	± 2.5	PASS
		VN	40	-0.002382	± 2.5	PASS
		VN	50	-0.002625	± 2.5	PASS
	HCH	VN	-30	0.002187	± 2.5	PASS
		VN	-20	0.002295	± 2.5	PASS
		VN	-10	0.001217	± 2.5	PASS
		VN	0	0.001787	± 2.5	PASS
		VN	10	-0.002045	± 2.5	PASS
		VN	20	0.000929	± 2.5	PASS
		VN	30	0.000315	± 2.5	PASS
		VN	40	0.000674	± 2.5	PASS
		VN	50	0.000644	± 2.5	PASS

Appendix G :Field Strength of Spurious Radiation Measurement Test Result

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	QPSK		Temperature :	24~26°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	-36.08	-13.00	PASS
5552.1	V	-43.67		
-	V	-		
3701.4	Horizontal	-37.22		
5552.1	H	-47.68		
-	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)		
3760	Vertical	-36.35	-13.00	PASS
5640	V	-43.50		
-	V	-		
3760	Horizontal	-37.09		
5640	H	-47.81		
-	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)		
3818.6	Vertical	-36.10	-13.00	PASS
5727.9	V	-46.82		
-	V	-		
3818.6	Horizontal	-34.59		
5727.9	H	-45.93		
-	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	-37.63	-13.00	PASS
5552.1	V	-44.48		
-	V	-		
3701.4	Horizontal	-37.08		
5552.1	H	-45.82		
-	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)		
3760	Vertical	-37.39	-13.00	PASS
5640	V	-44.95		
-	V	-		
3760	Horizontal	-37.03		
5640	H	-45.81		
-	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)		
3818.6	Vertical	-37.62	-13.00	PASS
5727.9	V	-44.67		
-	V	-		
3818.6	Horizontal	-36.72		
5727.9	H	-46.20		
-	H	-		

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