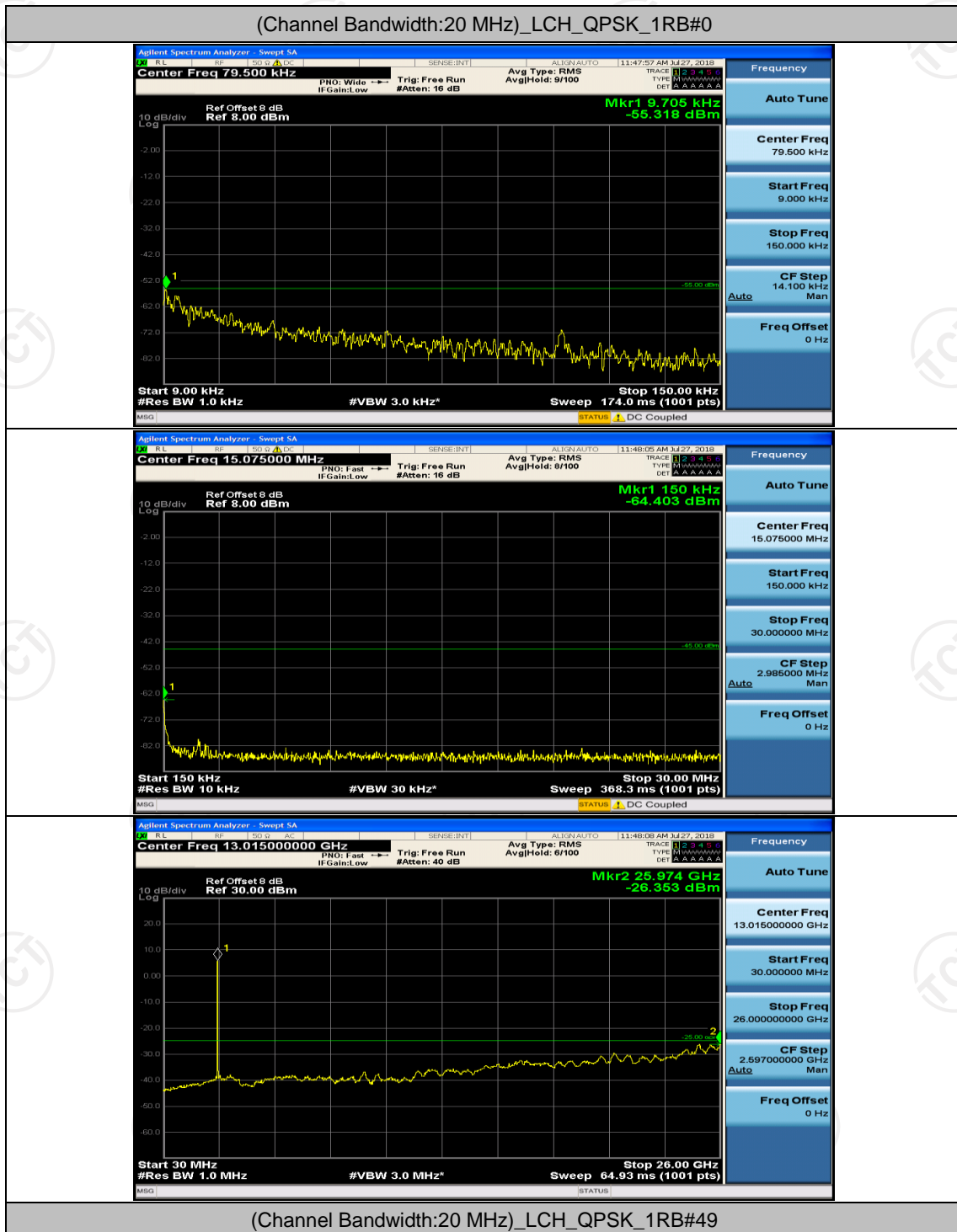
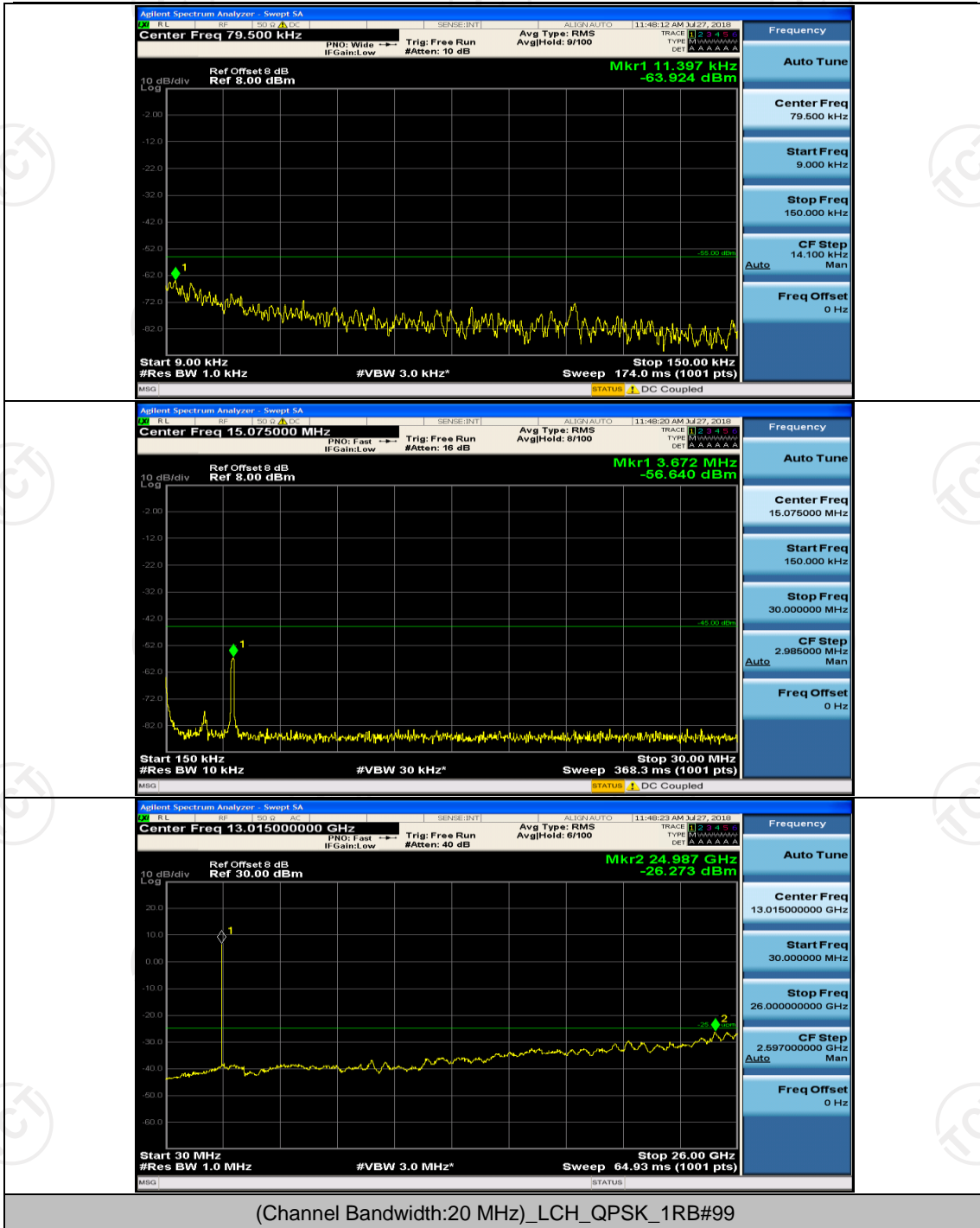
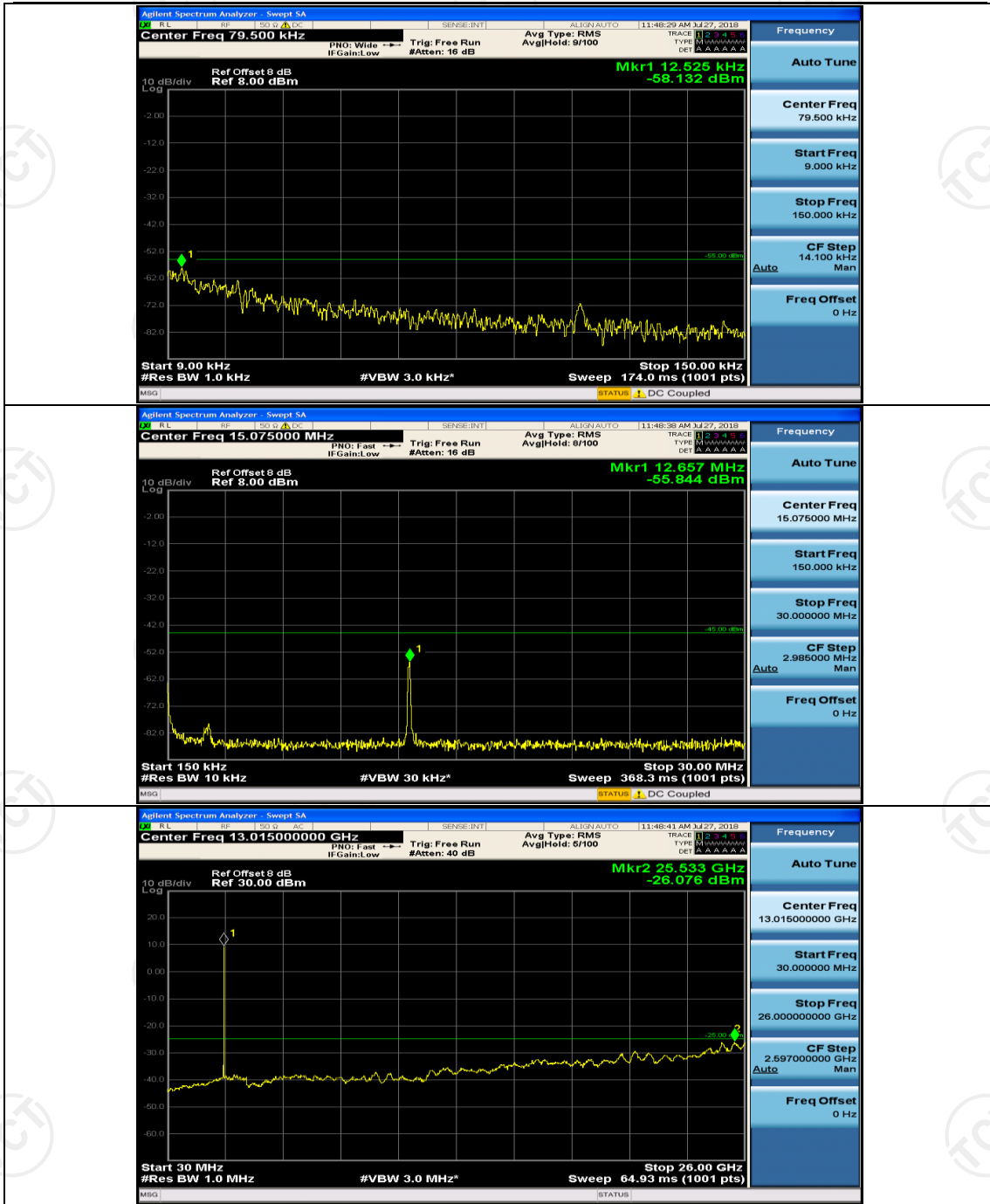
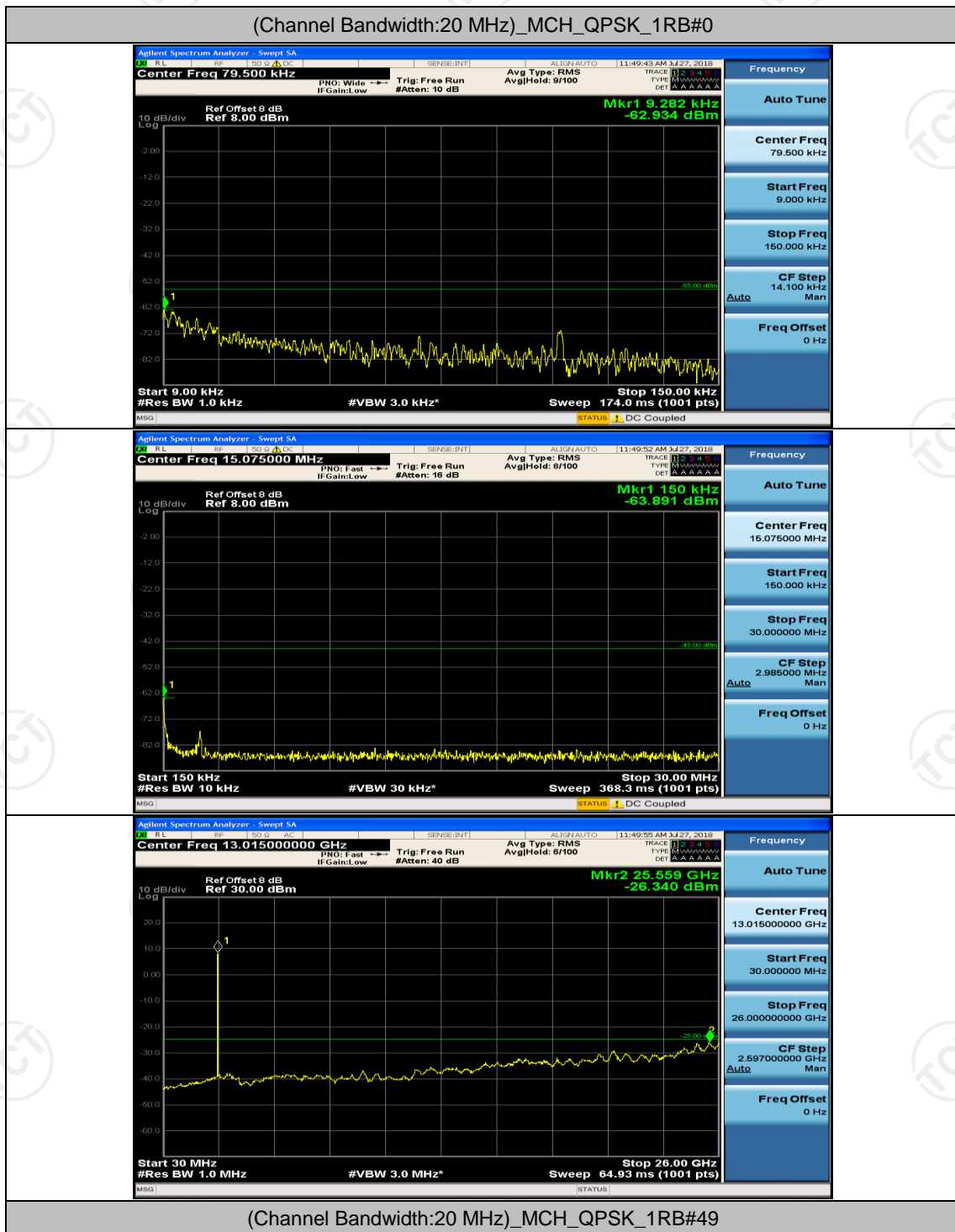


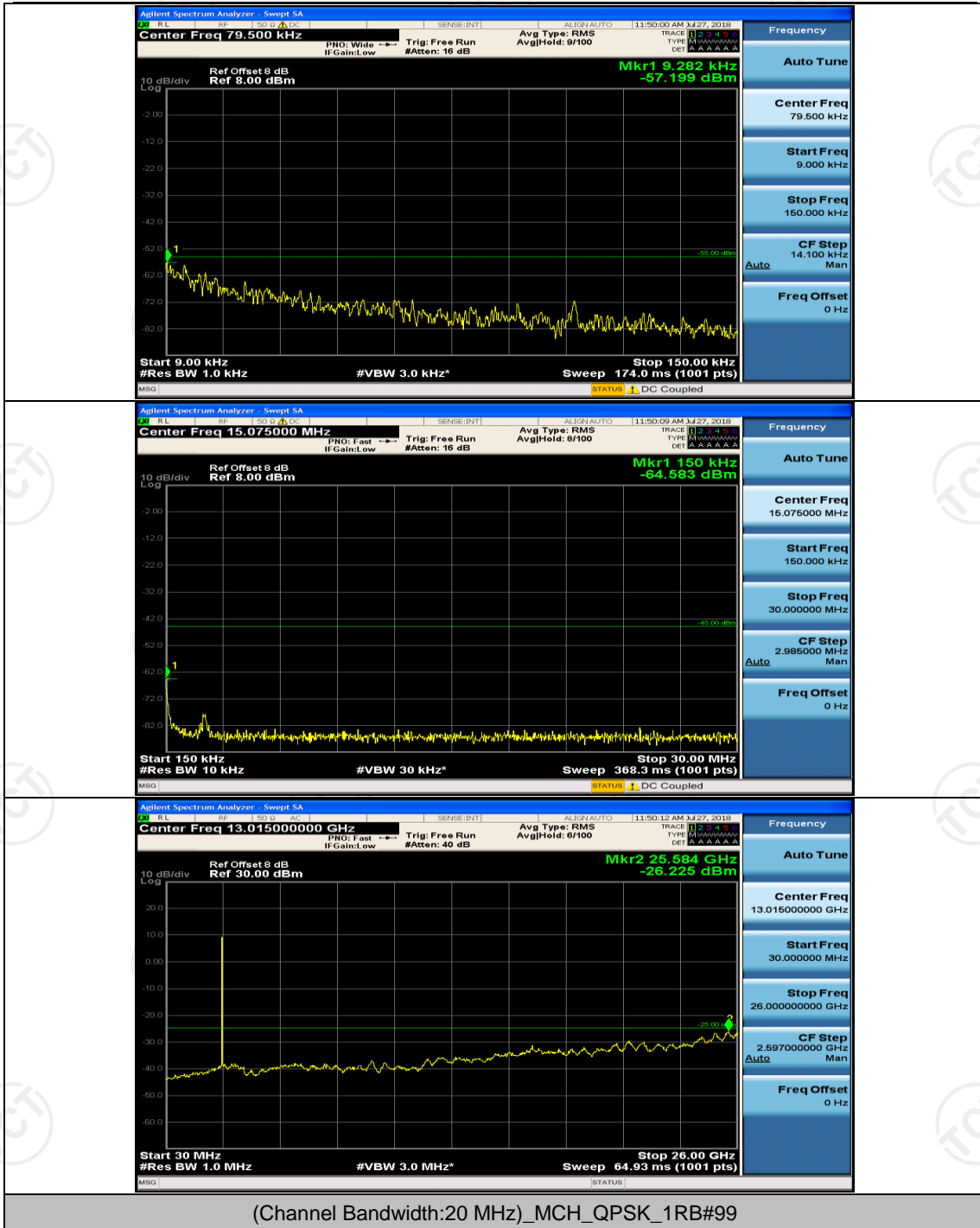
Channel Bandwidth: 20 MHz

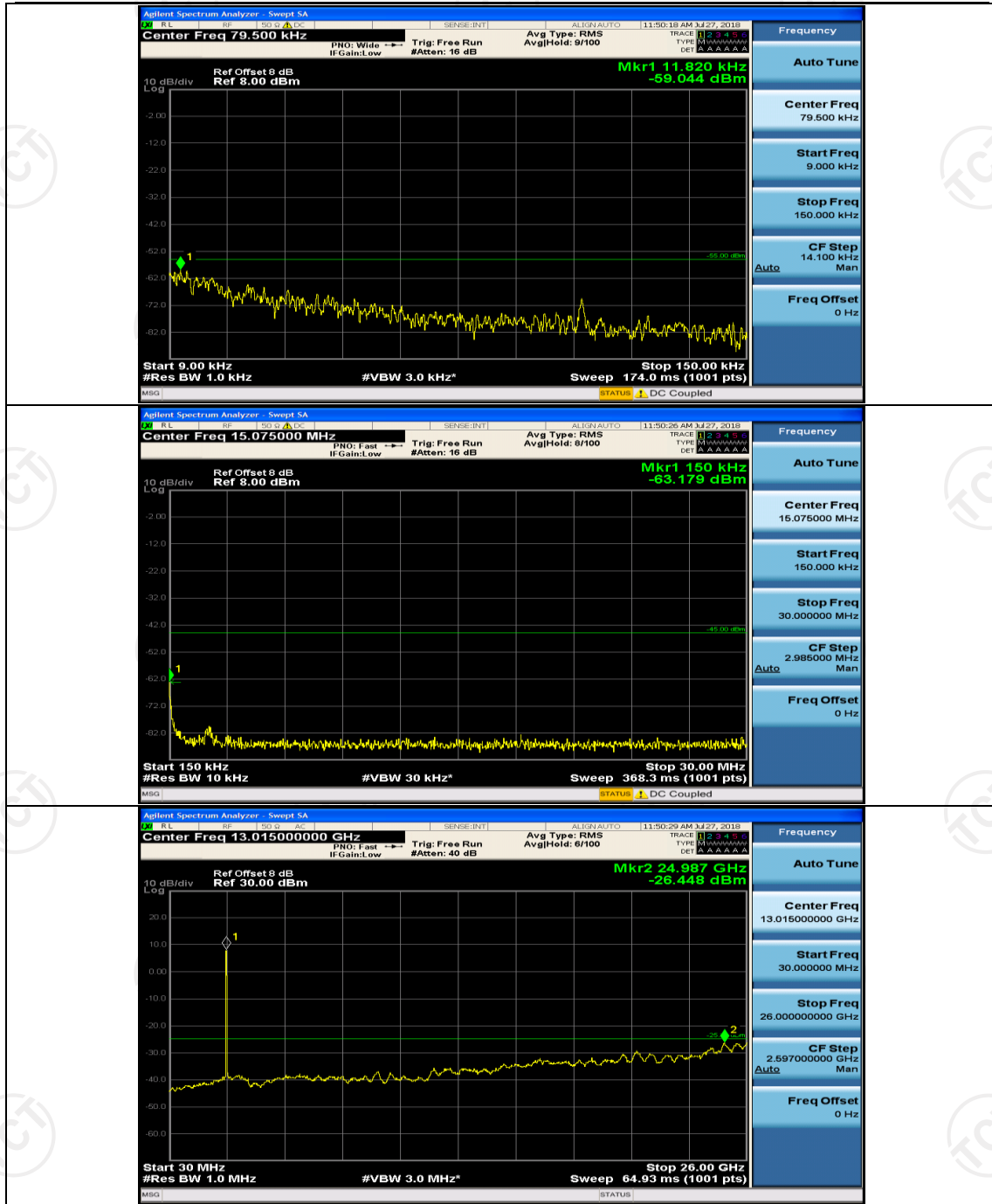


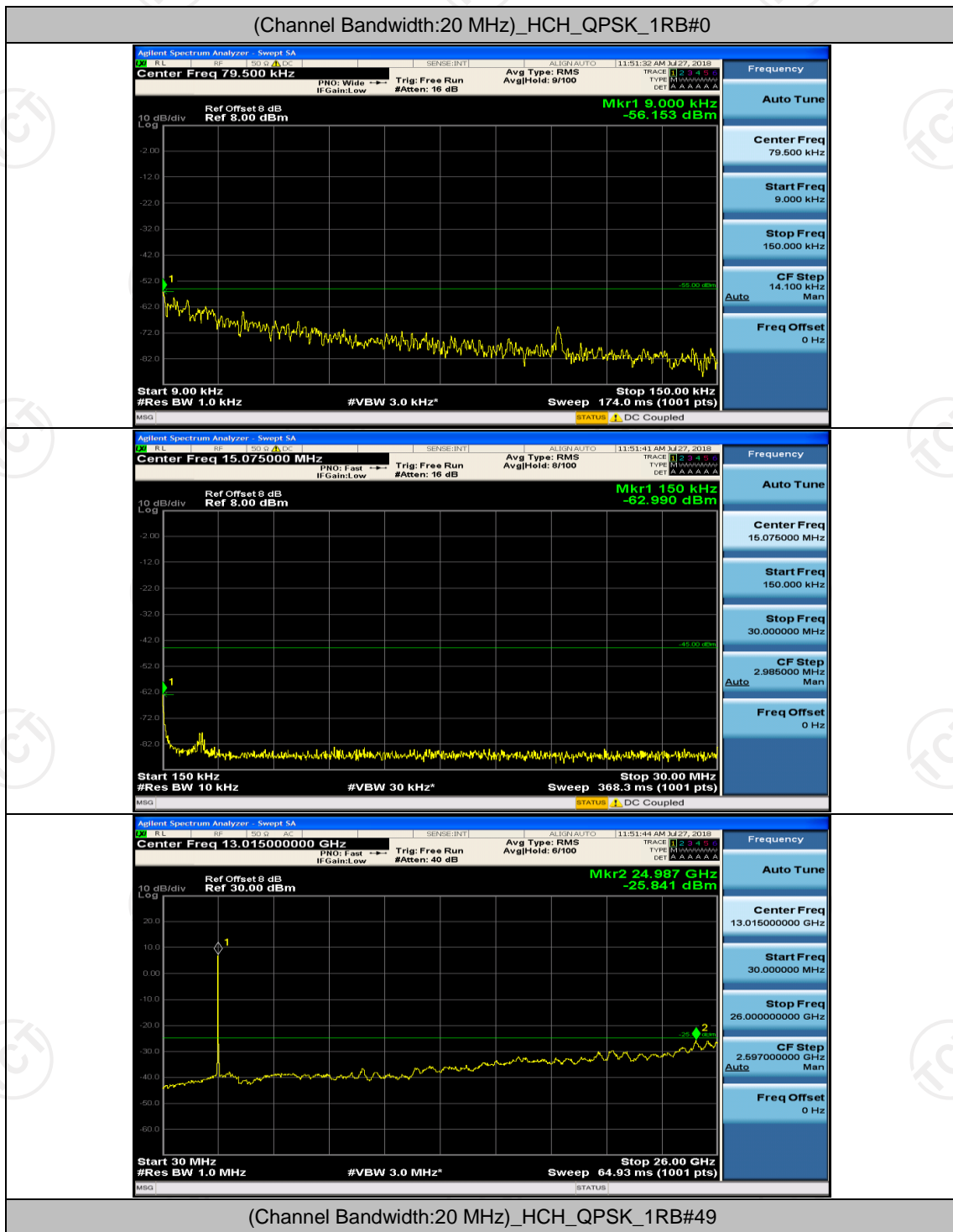


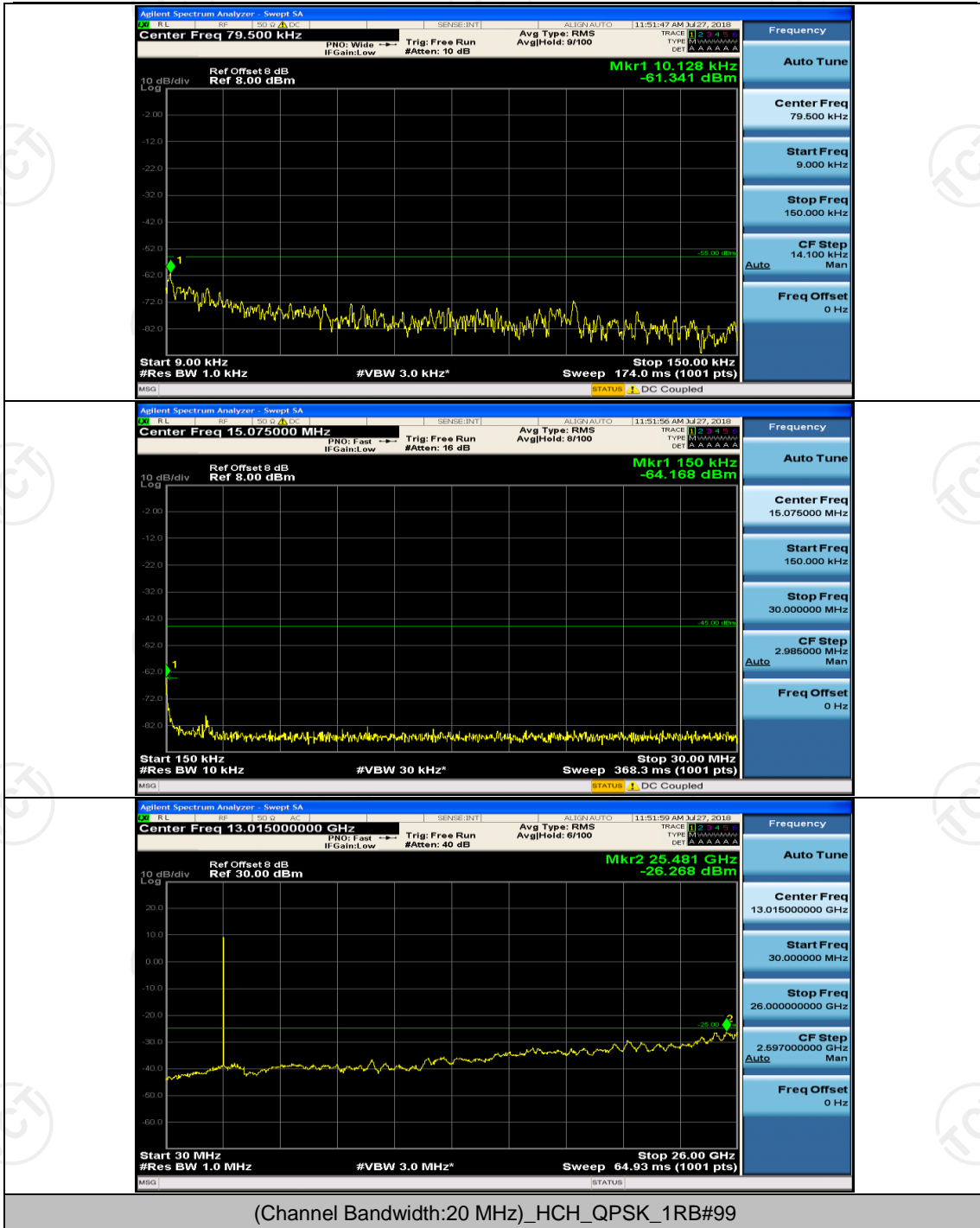


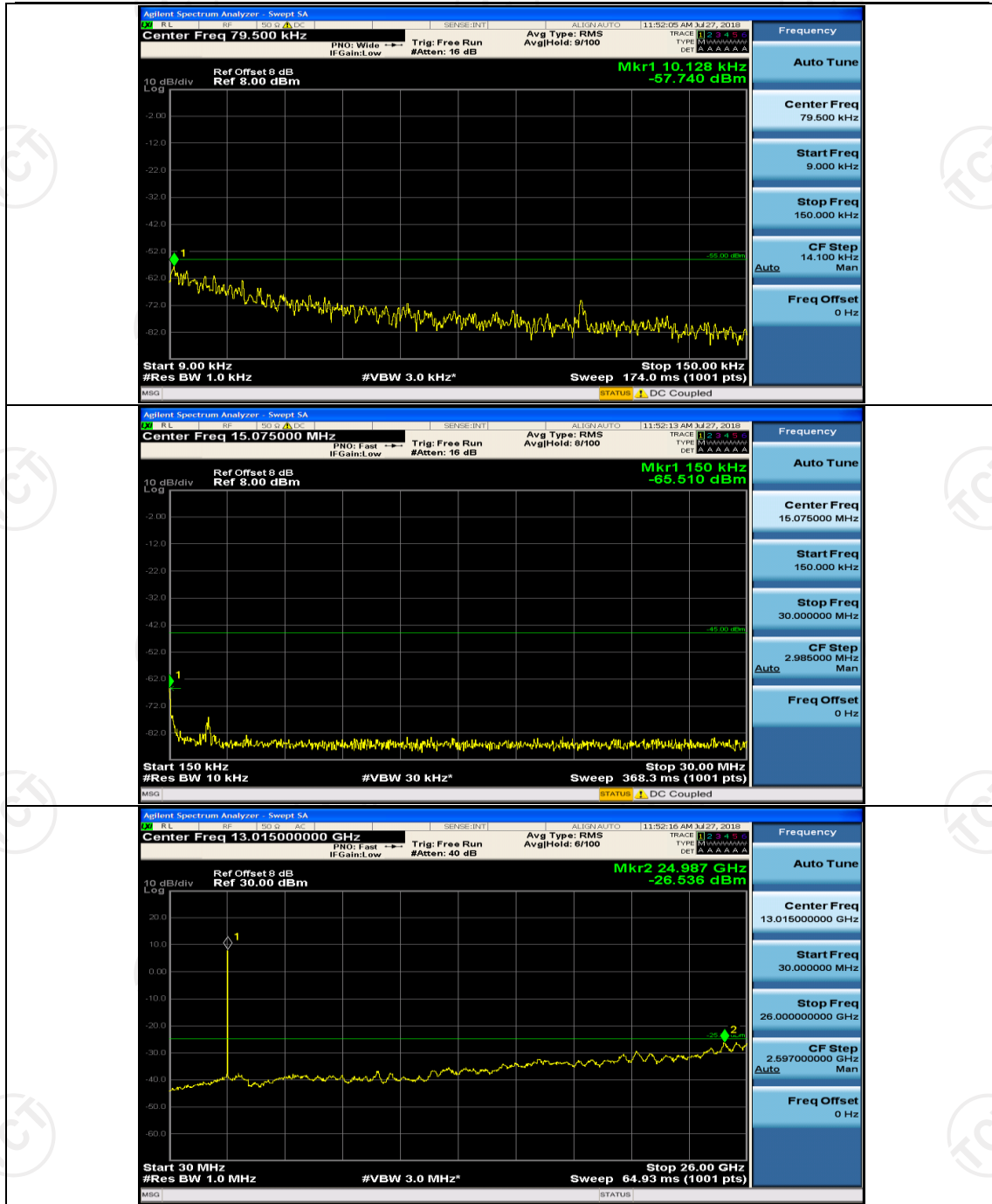




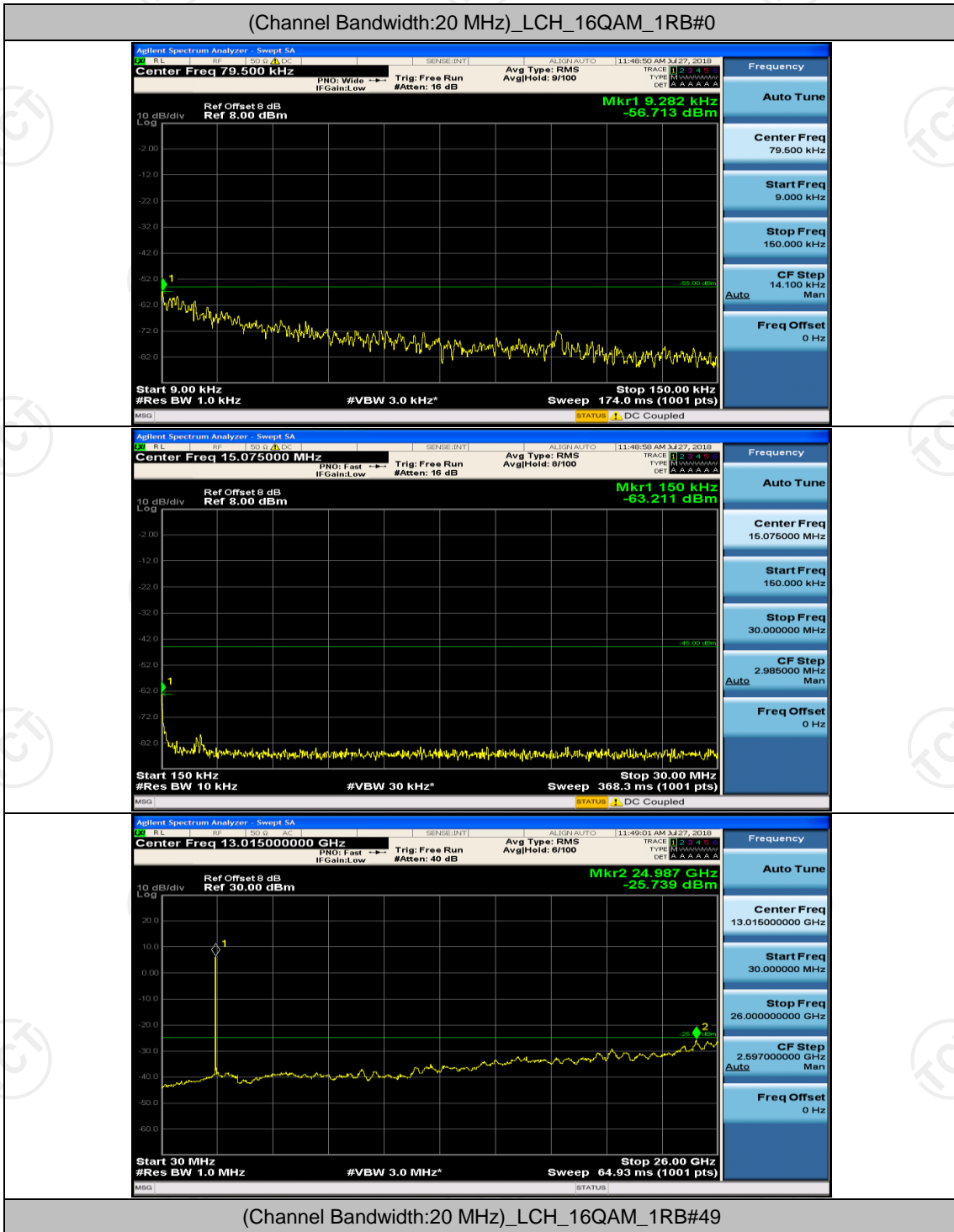




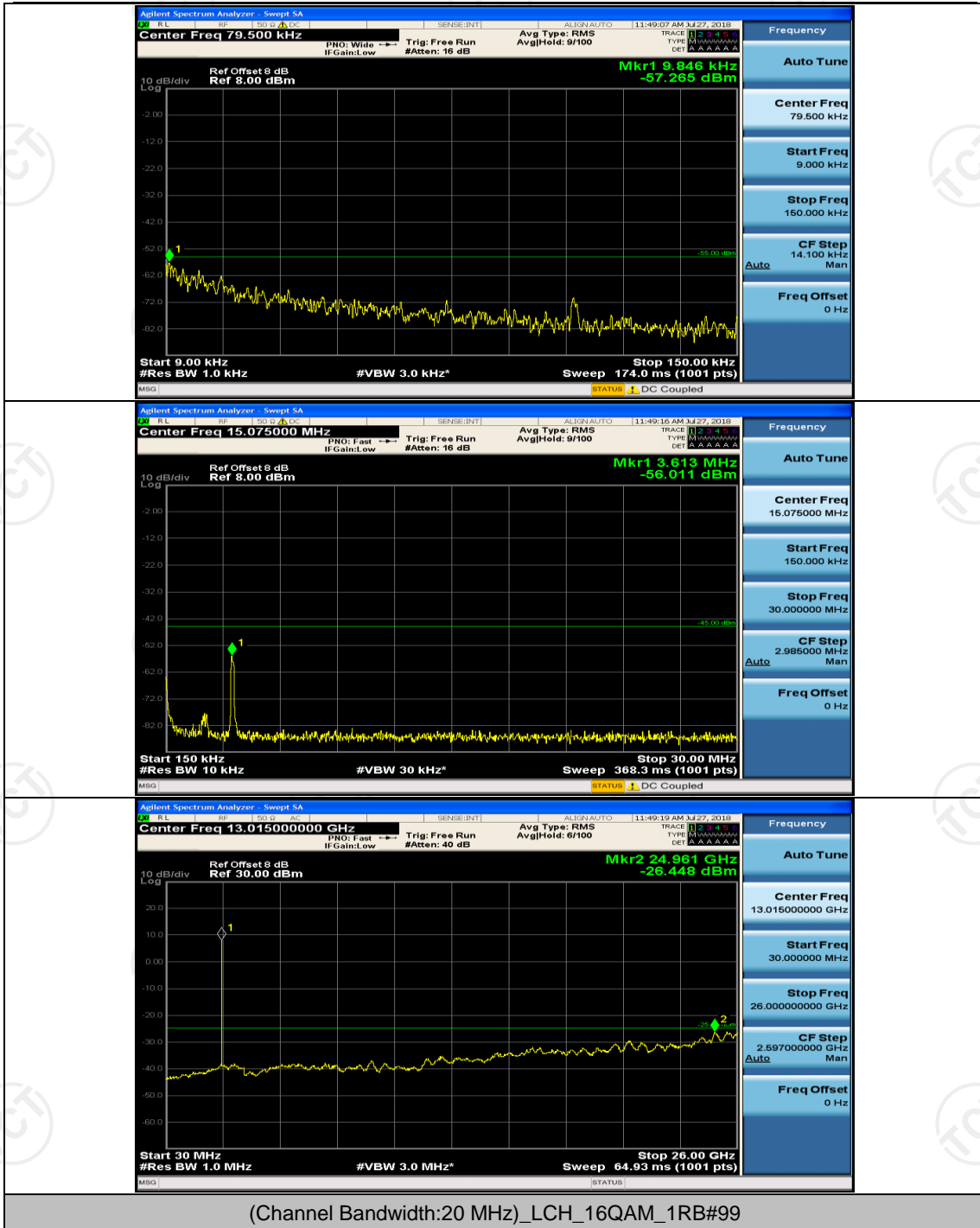


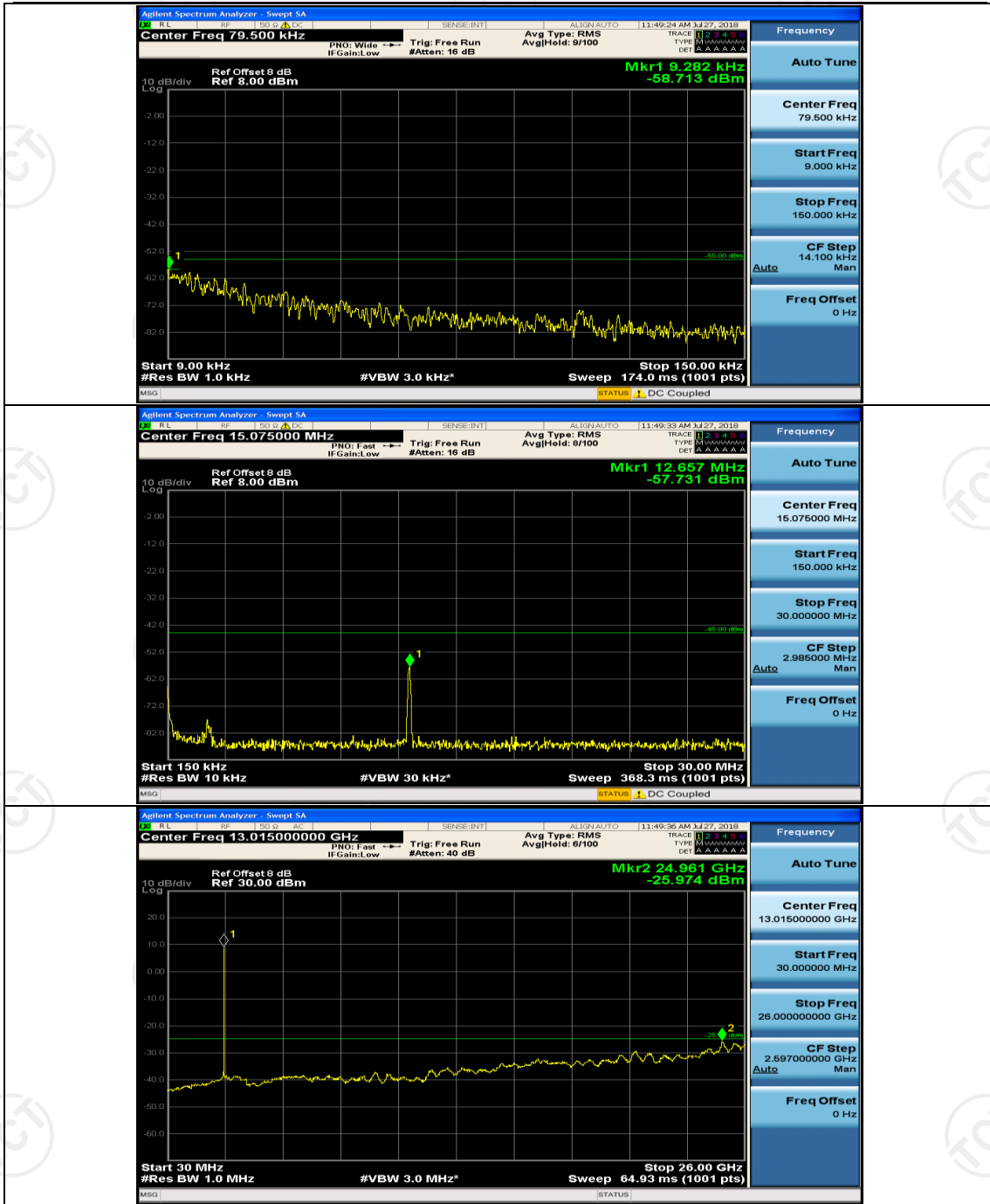


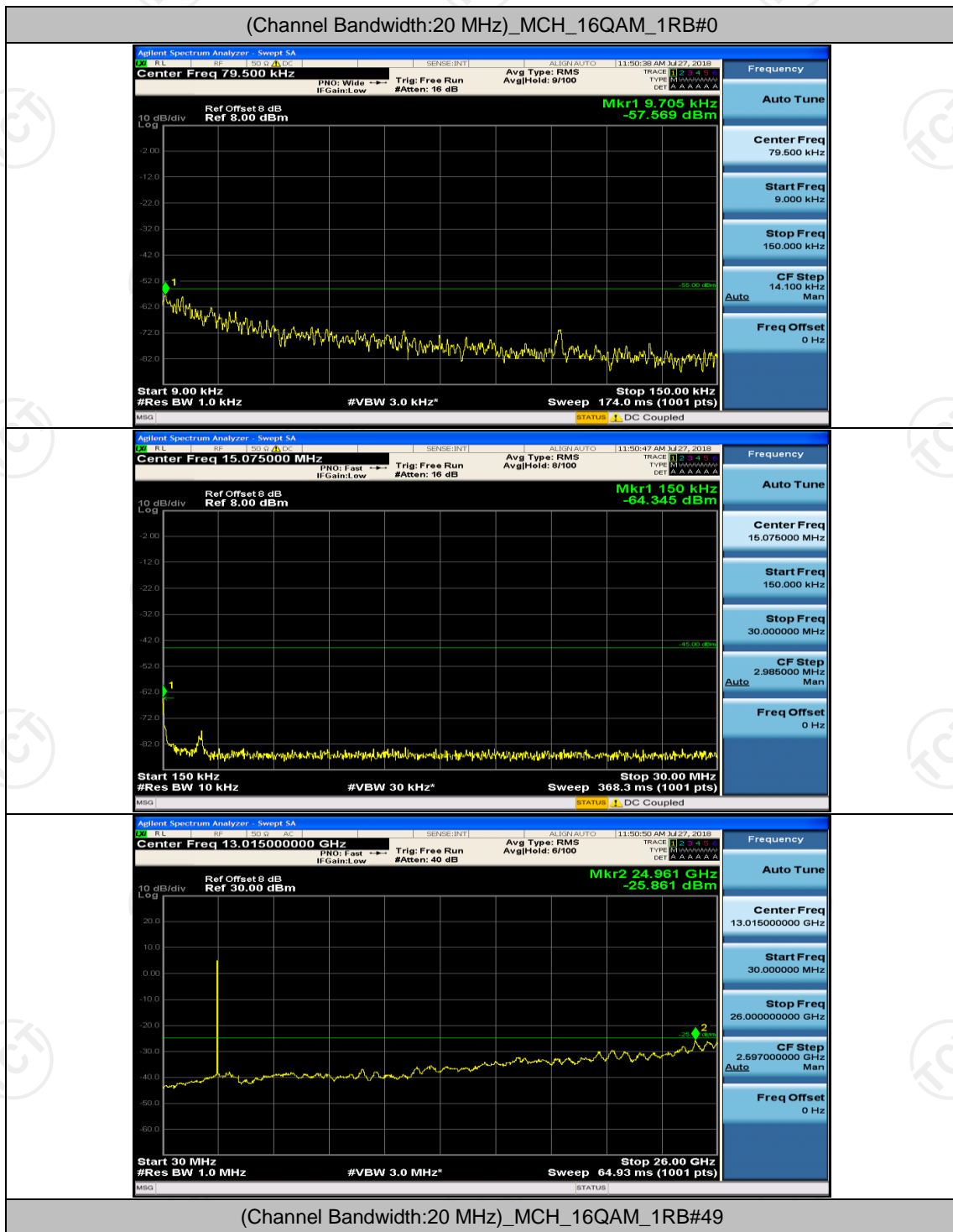
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

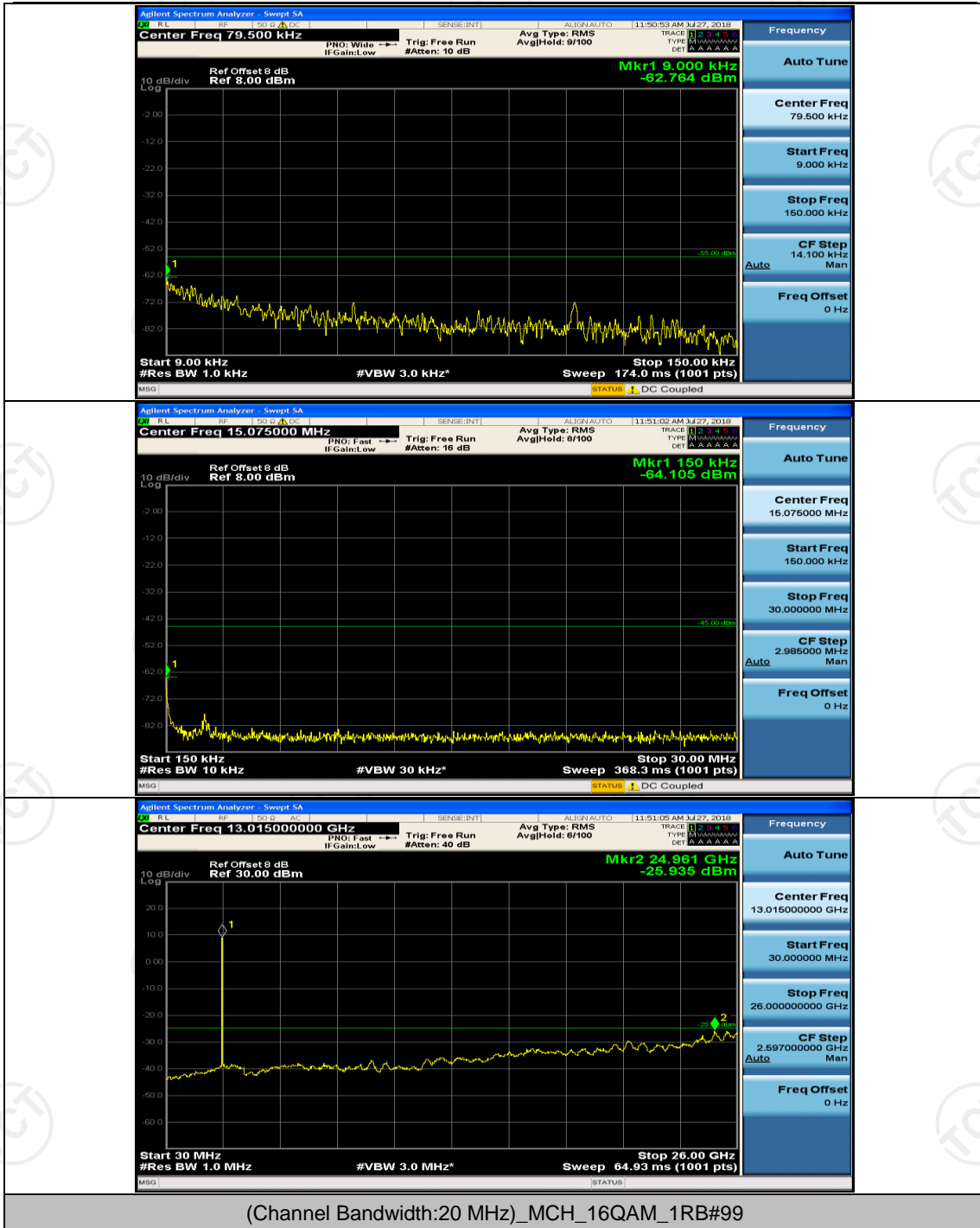


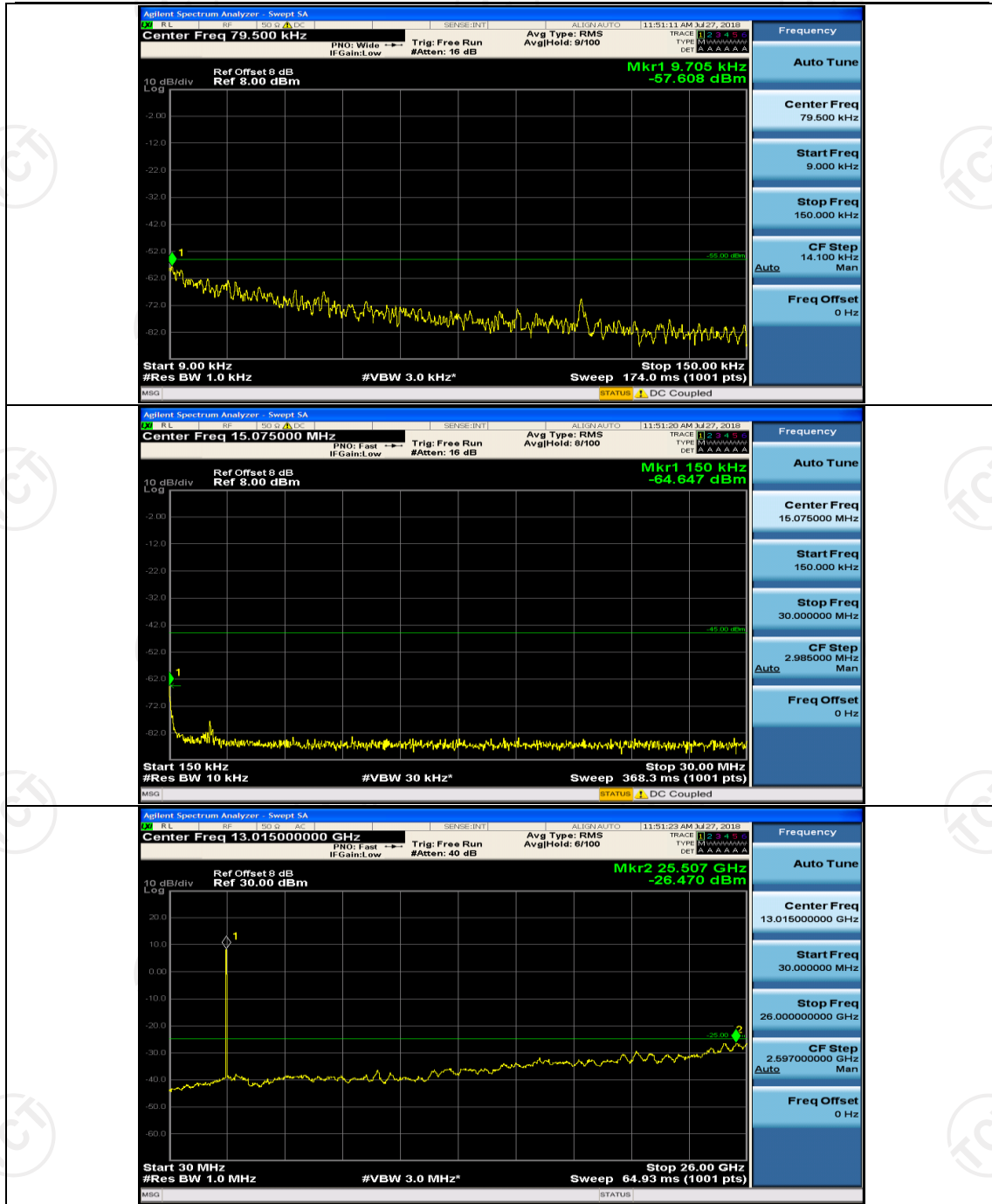
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



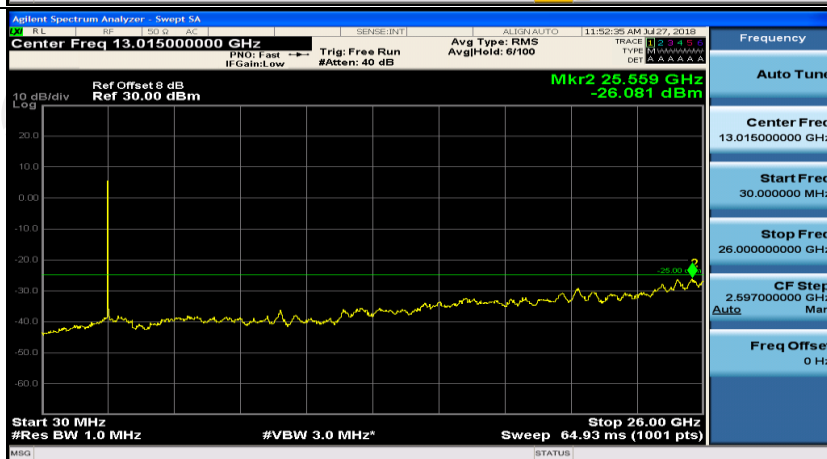
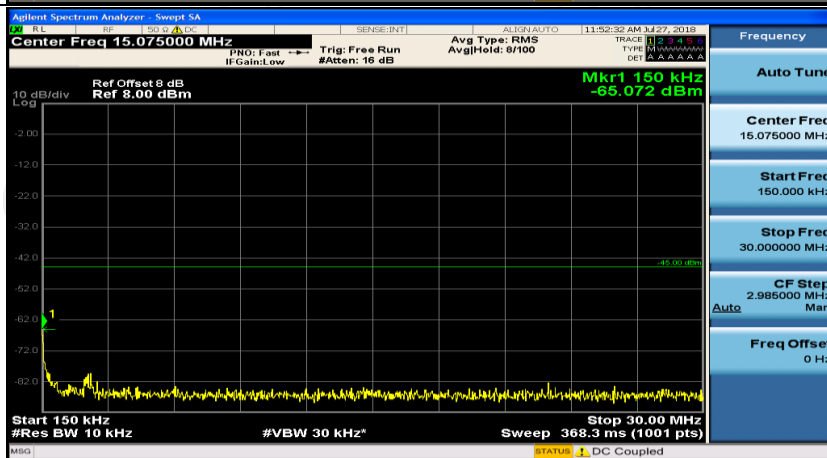
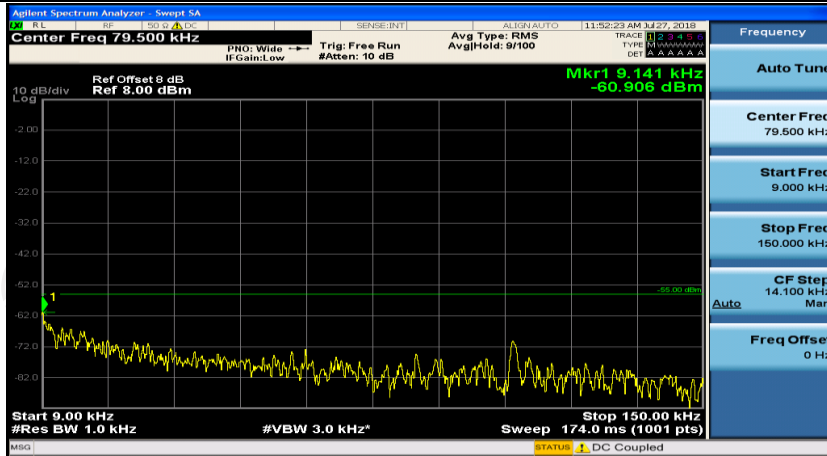




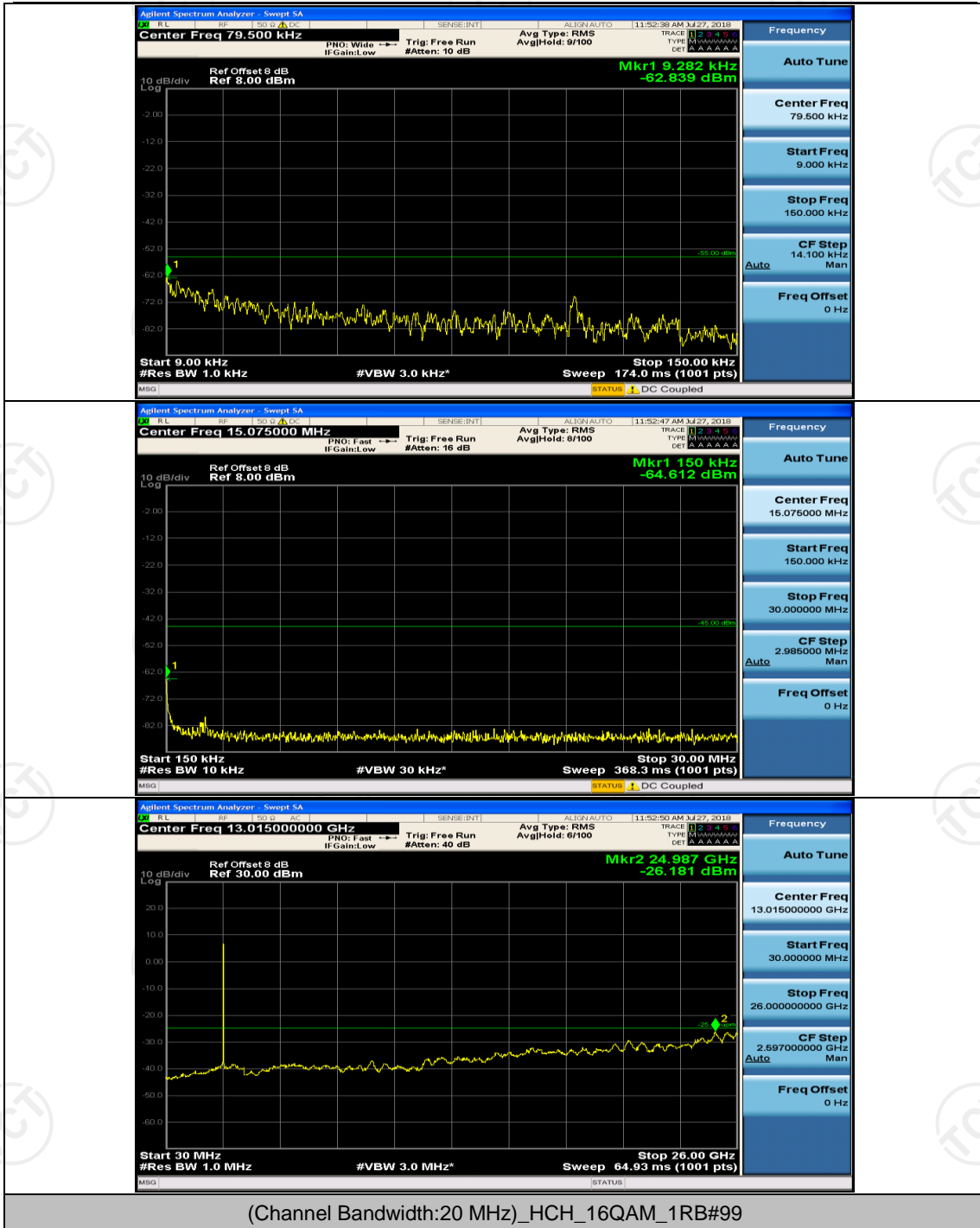


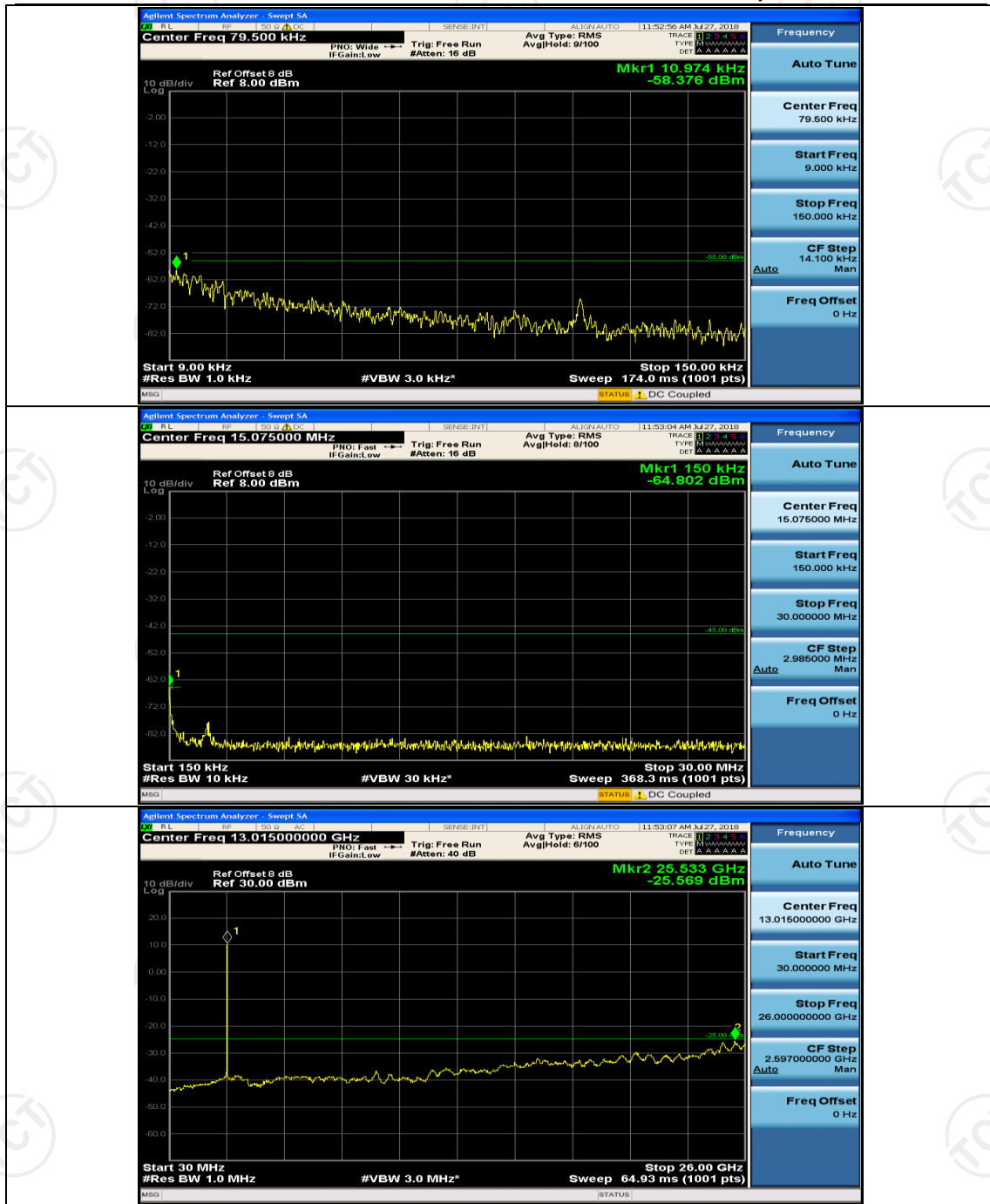


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Voltage						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.5	25	-0.001028	± 2.5	PASS
		3.7	25	-0.005028	± 2.5	PASS
		4.2	25	-0.000836	± 2.5	PASS
	MCH	3.5	25	-0.001192	± 2.5	PASS
		3.7	25	-0.003608	± 2.5	PASS
		4.2	25	-0.001315	± 2.5	PASS
	HCH	3.5	25	-0.000149	± 2.5	PASS
		3.7	25	-0.005620	± 2.5	PASS
		4.2	25	0.000012	± 2.5	PASS
16QAM	LCH	3.5	25	-0.000772	± 2.5	PASS
		3.7	25	-0.003015	± 2.5	PASS
		4.2	25	-0.001063	± 2.5	PASS
	MCH	3.5	25	-0.000584	± 2.5	PASS
		3.7	25	-0.000549	± 2.5	PASS
		4.2	25	-0.002032	± 2.5	PASS
	HCH	3.5	25	-0.000478	± 2.5	PASS
		3.7	25	-0.001343	± 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	3.7	-30	-0.000714	± 2.5	PASS
		3.7	-20	-0.001062	± 2.5	PASS
		3.7	-10	-0.001408	± 2.5	PASS
		3.7	0	-0.002481	± 2.5	PASS
		3.7	10	-0.002079	± 2.5	PASS
		3.7	20	-0.003429	± 2.5	PASS
		3.7	30	-0.000341	± 2.5	PASS
		3.7	40	-0.003283	± 2.5	PASS
	MCH	3.7	50	-0.005767	± 2.5	PASS
		3.7	-30	-0.001035	± 2.5	PASS
		3.7	-20	-0.001642	± 2.5	PASS
		3.7	-10	-0.001499	± 2.5	PASS
		3.7	0	-0.001763	± 2.5	PASS
		3.7	10	-0.001186	± 2.5	PASS
		3.7	20	-0.002510	± 2.5	PASS
		3.7	30	-0.004624	± 2.5	PASS
		3.7	40	-0.003103	± 2.5	PASS

	HCH	3.7	50	-0.000038	± 2.5	PASS
		3.7	-30	-0.000058	± 2.5	PASS
		3.7	-20	-0.004756	± 2.5	PASS
		3.7	-10	-0.003368	± 2.5	PASS
		3.7	0	-0.003223	± 2.5	PASS
		3.7	10	-0.004189	± 2.5	PASS
		3.7	20	-0.006218	± 2.5	PASS
		3.7	30	-0.005808	± 2.5	PASS
		3.7	40	-0.004590	± 2.5	PASS
		3.7	50	-0.002912	± 2.5	PASS
16QAM	LCH	3.7	-30	-0.001022	± 2.5	PASS
		3.7	-20	-0.002028	± 2.5	PASS
		3.7	-10	-0.000821	± 2.5	PASS
		3.7	0	-0.003012	± 2.5	PASS
		3.7	10	-0.002632	± 2.5	PASS
		3.7	20	-0.001018	± 2.5	PASS
		3.7	30	-0.000694	± 2.5	PASS
		3.7	40	-0.000341	± 2.5	PASS
		3.7	50	-0.002601	± 2.5	PASS
	MCH	3.7	-30	-0.001643	± 2.5	PASS
		3.7	-20	-0.001269	± 2.5	PASS
		3.7	-10	-0.000857	± 2.5	PASS
		3.7	0	-0.000505	± 2.5	PASS
		3.7	10	-0.001109	± 2.5	PASS
		3.7	20	-0.001345	± 2.5	PASS
		3.7	30	-0.003020	± 2.5	PASS
		3.7	40	-0.003976	± 2.5	PASS
		3.7	50	-0.004102	± 2.5	PASS
	HCH	3.7	-30	-0.000521	± 2.5	PASS
		3.7	-20	-0.004302	± 2.5	PASS
		3.7	-10	-0.002332	± 2.5	PASS
		3.7	0	-0.003109	± 2.5	PASS
		3.7	10	-0.002159	± 2.5	PASS
		3.7	20	-0.000394	± 2.5	PASS
		3.7	30	-0.002691	± 2.5	PASS
		3.7	40	-0.003721	± 2.5	PASS
		3.7	50	-0.006224	± 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:	5M		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)		
5115.0	Vertical	-32.35	-13.00	PASS
7672.5	V	-41.81		
-	V	-		
5115.0	Horizontal	-33.64		
7672.5	H	-40.56		
-	H	-		
Bandwidth:	5M		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)		
5210.0	Vertical	-34.74	-13.00	PASS
7815.0	V	-45.25		
-	V	-		
5210.0	Horizontal	-38.70		
7815.0	H	-46.47		
-	H	-		
Bandwidth:	5M		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)		
5305.0	Vertical	-38.68	-13.00	PASS
7957.5	V	-47.85		
-	V	-		
5305.0	Horizontal	-39.35		
7957.5	H	-46.77		
-	H	-		

Bandwidth:	5M		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)		
5115.0	Vertical	-39.65	-13.00	PASS
7672.5	V	-49.86		
-	V	-		
5115.0	Horizontal	-38.55		
7672.5	H	-45.68		
-	H	-		
Bandwidth:	5M		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)		
5210.0	Vertical	-40.27	-13.00	PASS
7815.0	V	-48.26		
-	V	-		
5210.0	Horizontal	-40.48		
7815.0	H	-48.34		
-	H	-		
Bandwidth:	5M		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)		
5305.0	Vertical	-39.21	-13.00	PASS
7957.5	V	-47.68		
-	V	-		
5305.0	Horizontal	-40.15		
7957.5	H	-48.76		
-	H	-		

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