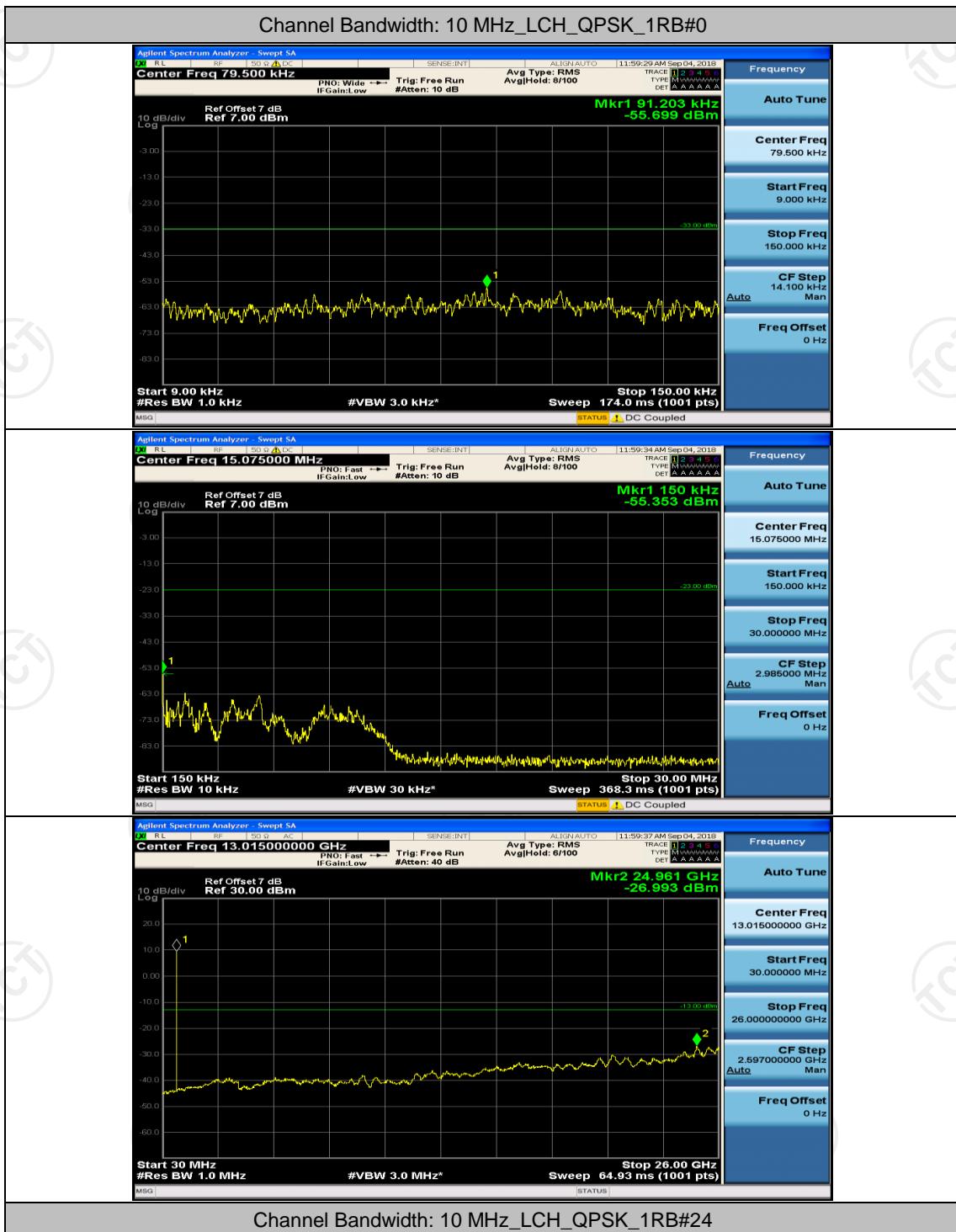
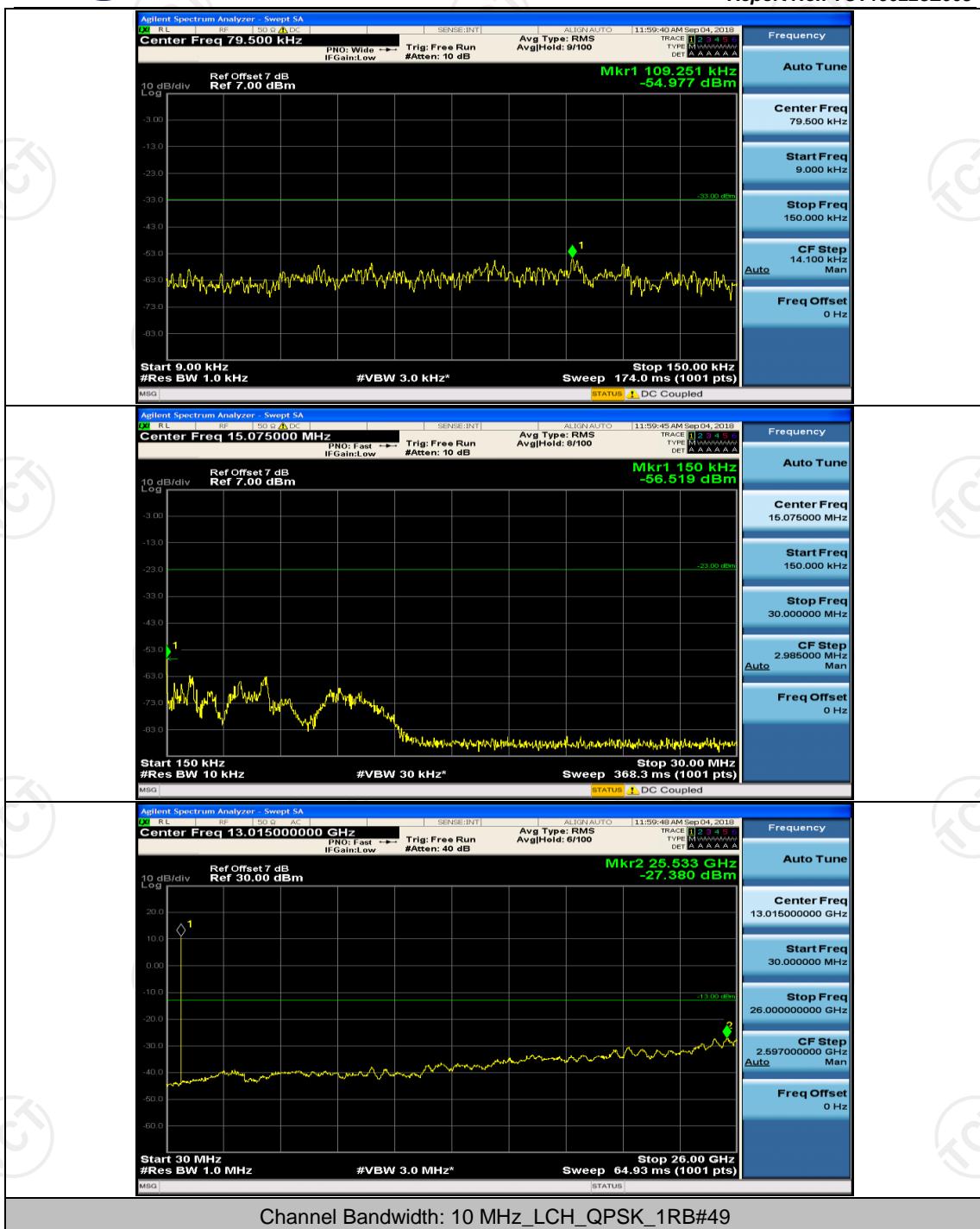
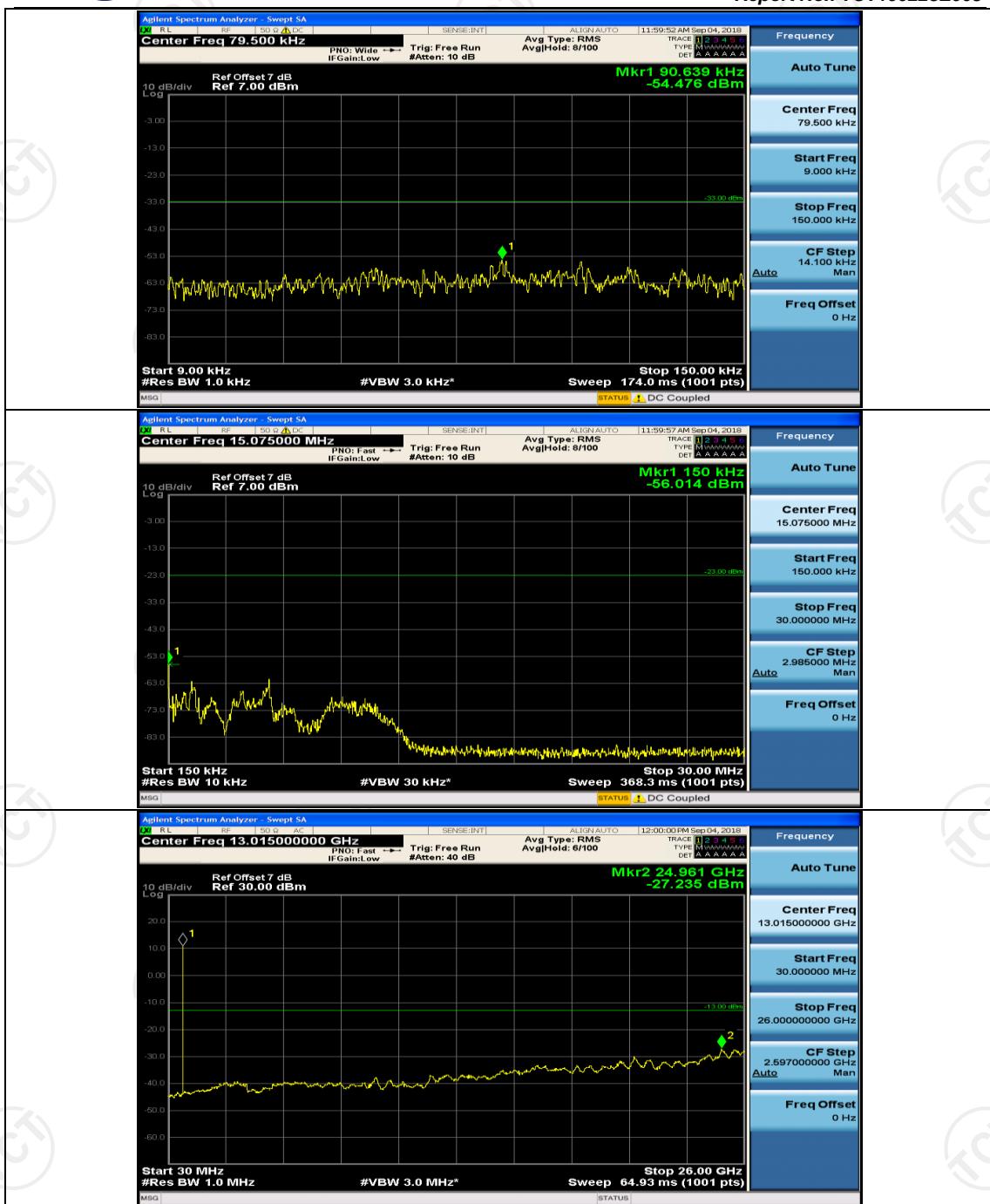
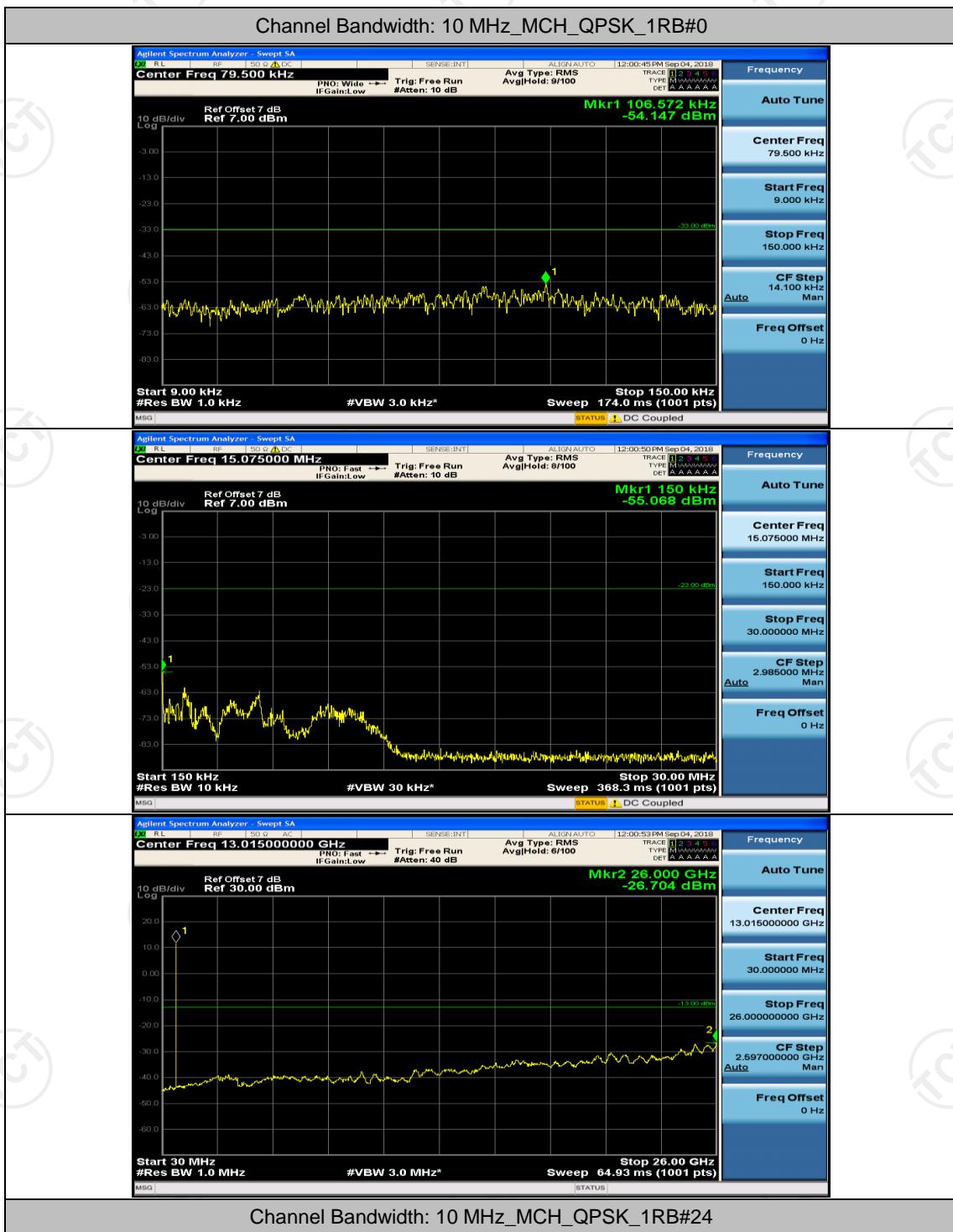


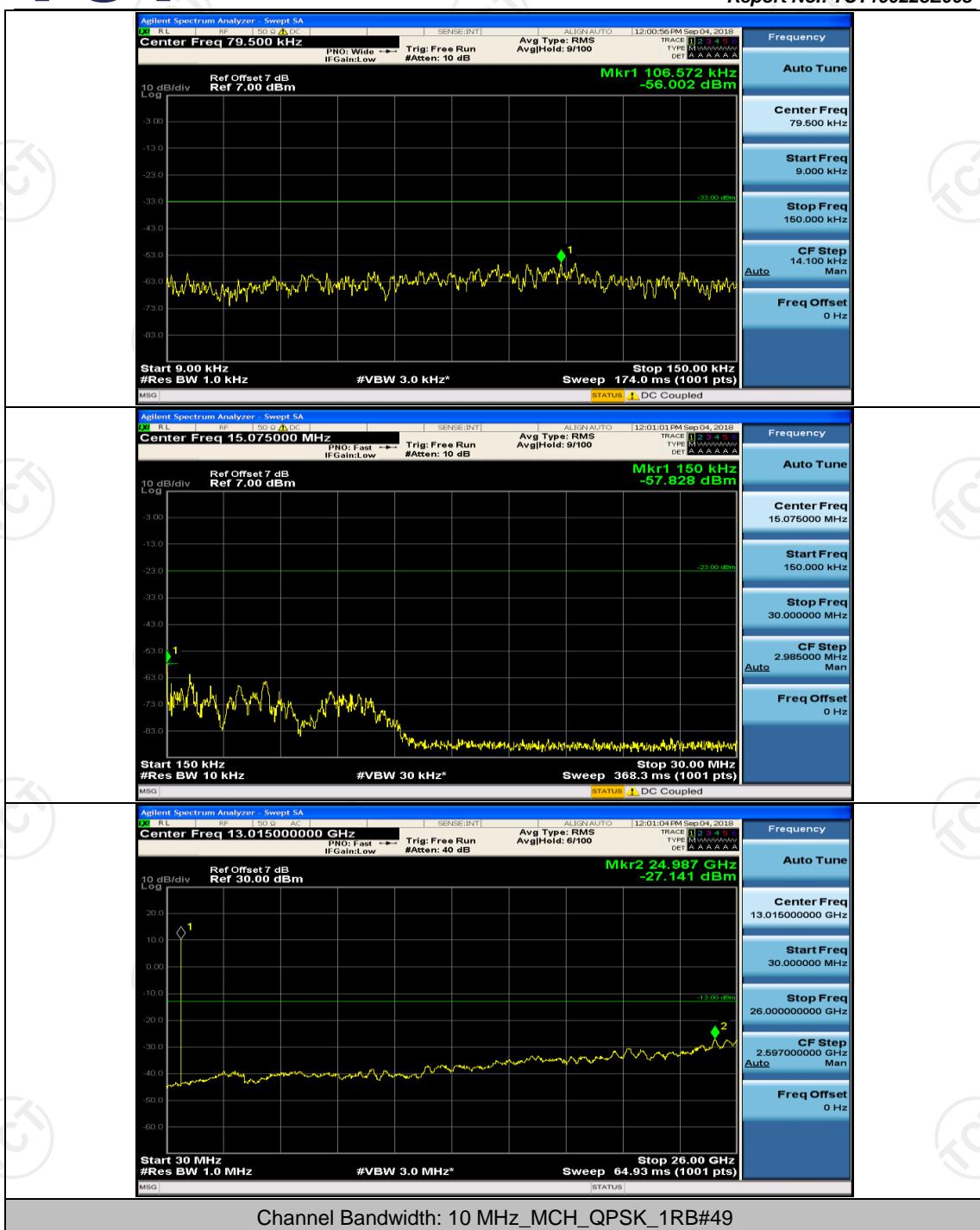
Channel Bandwidth: 10 MHz

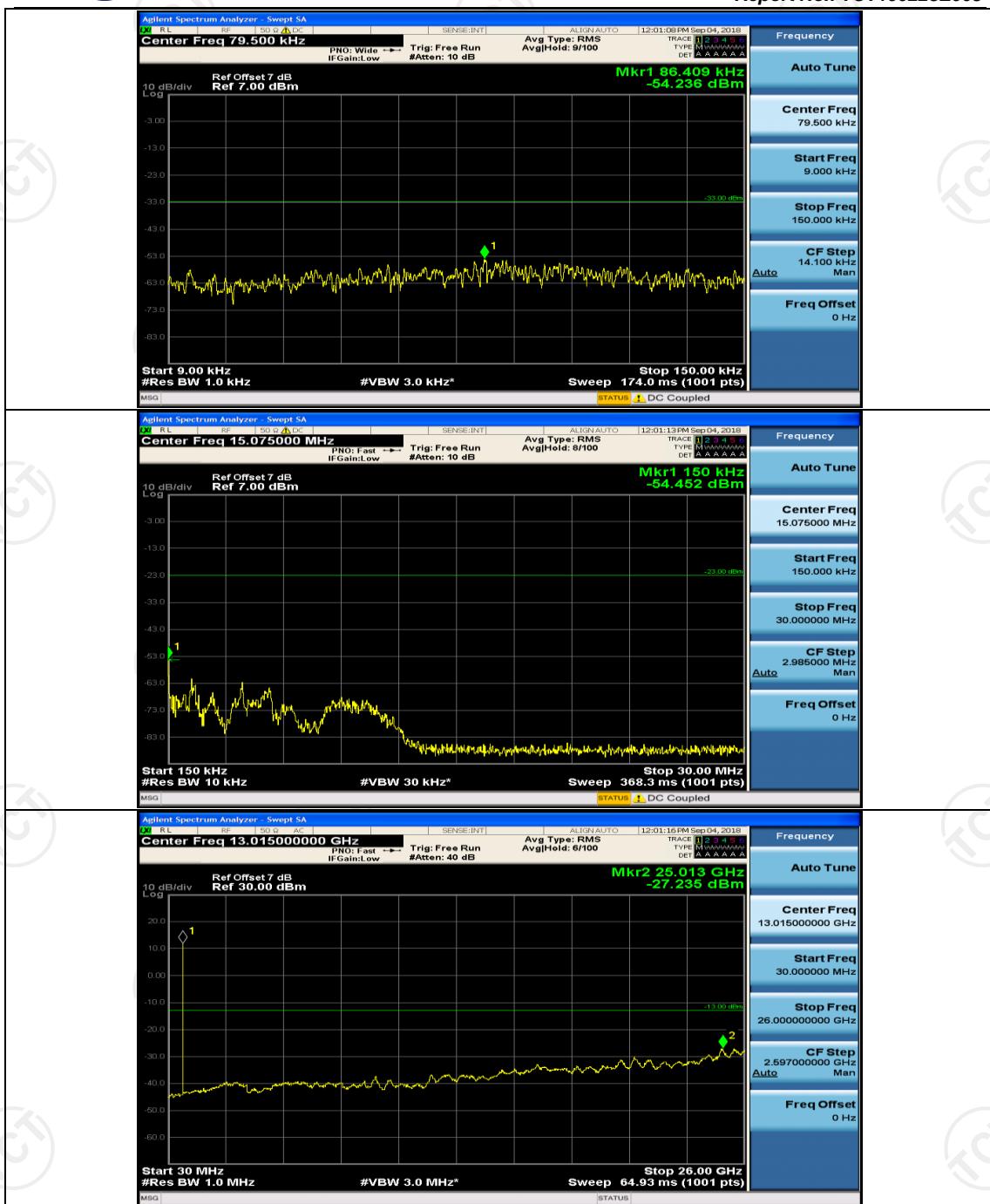


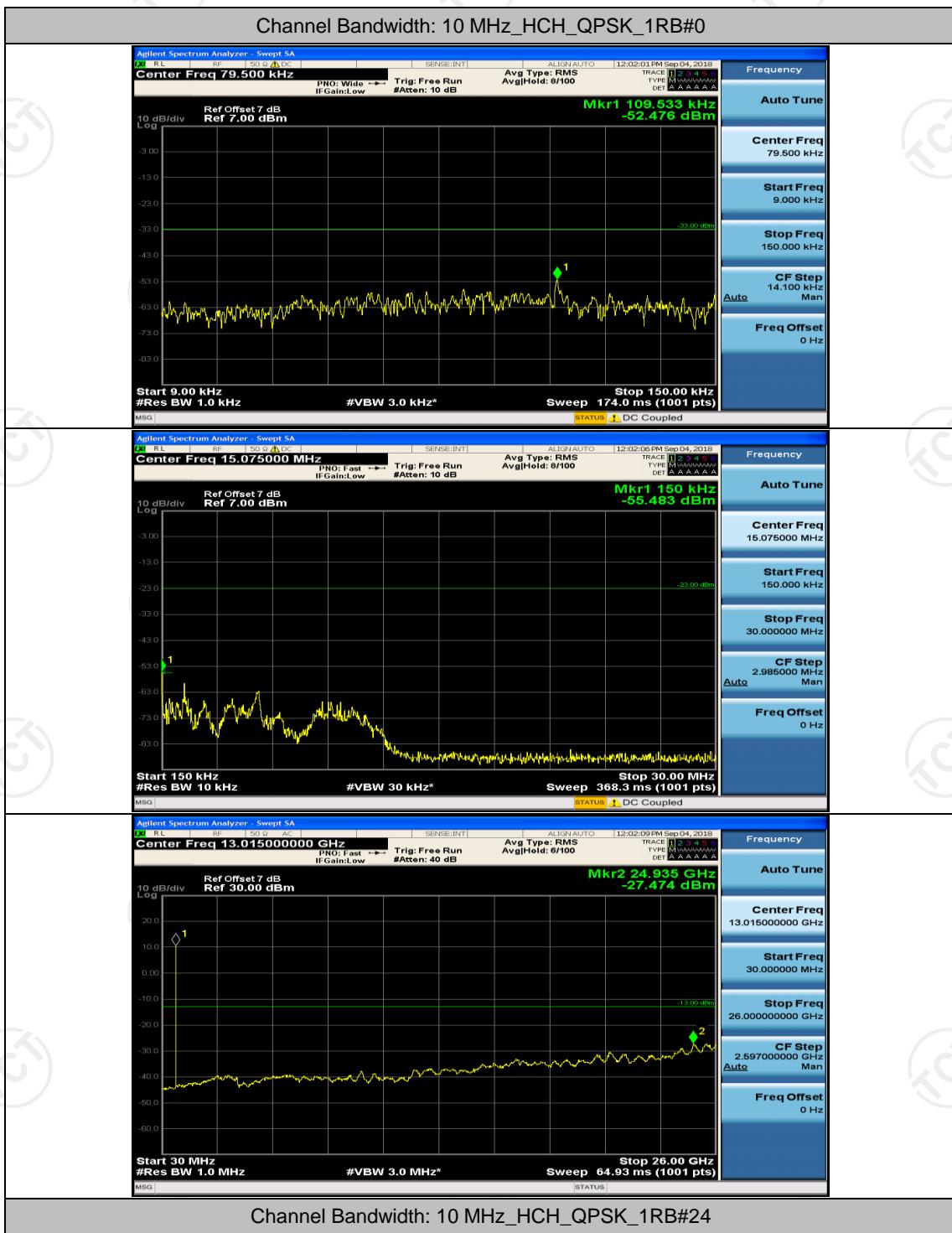


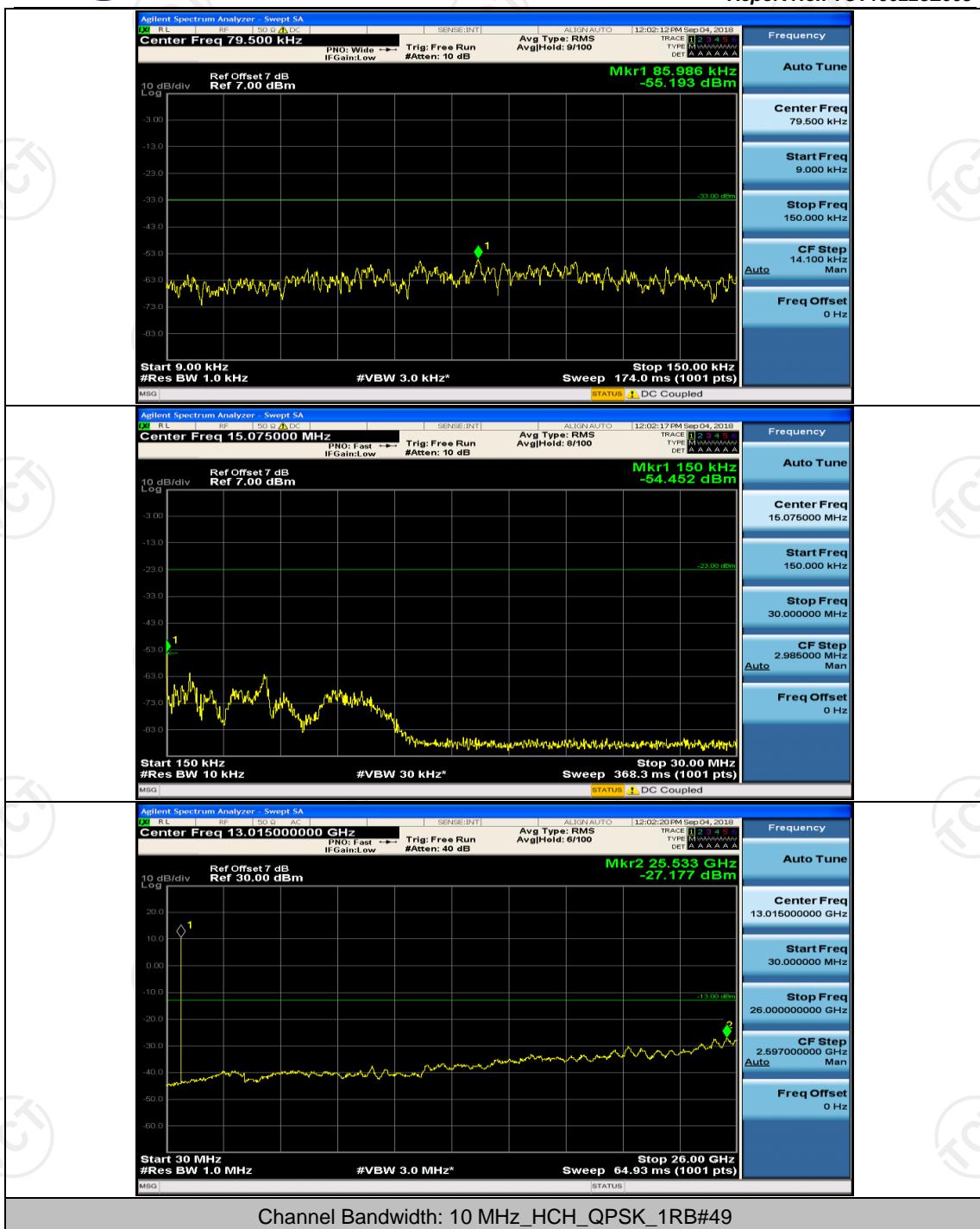


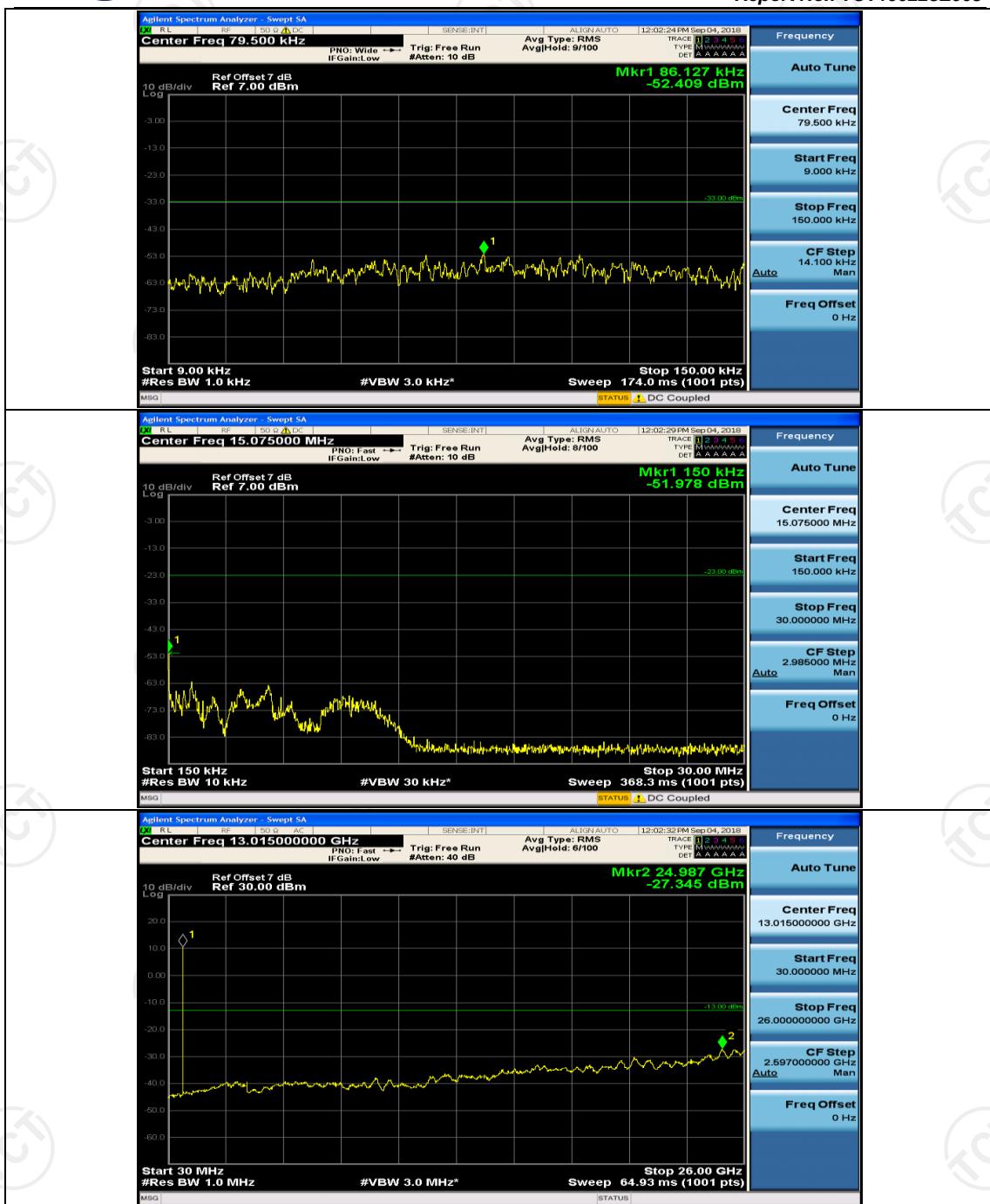


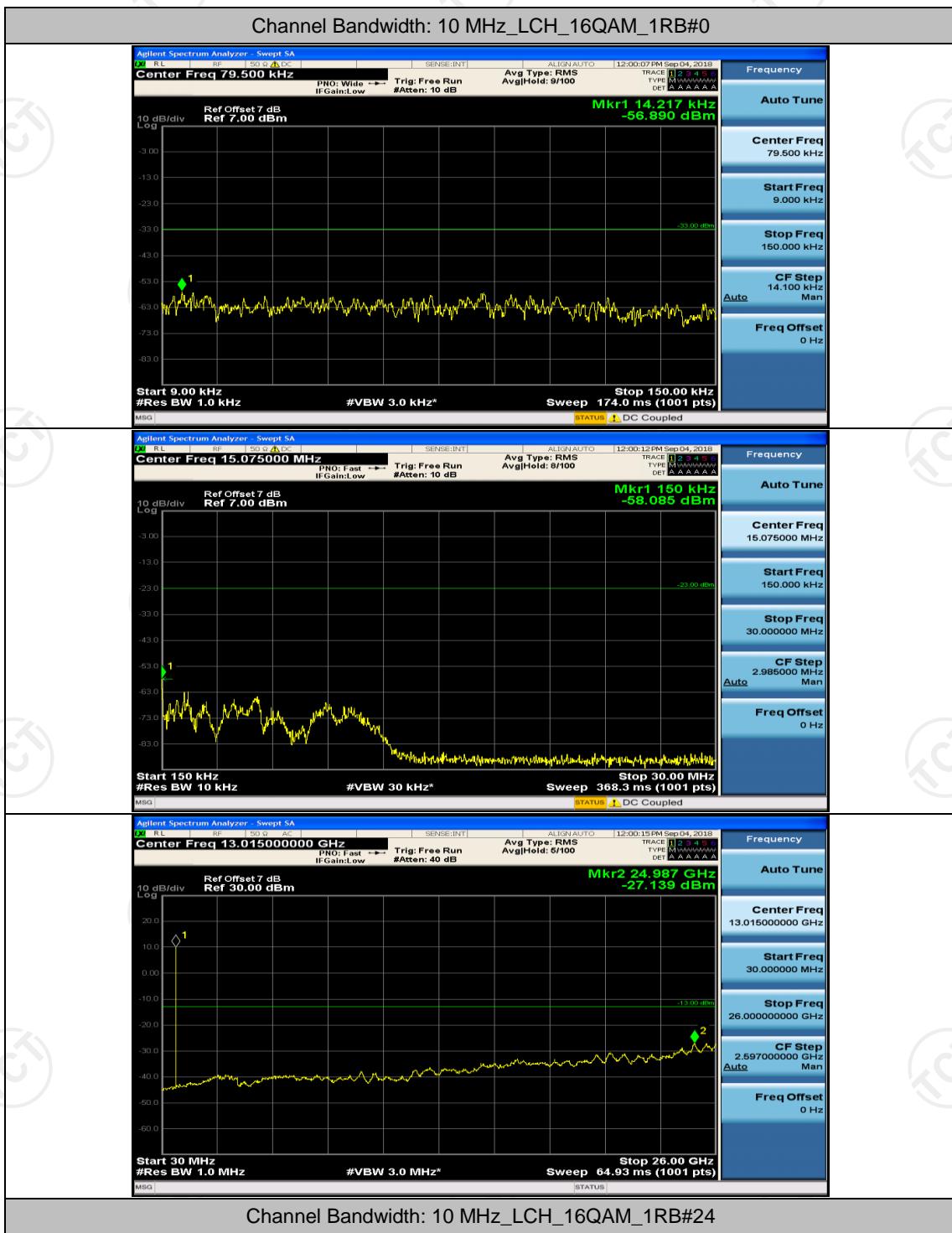


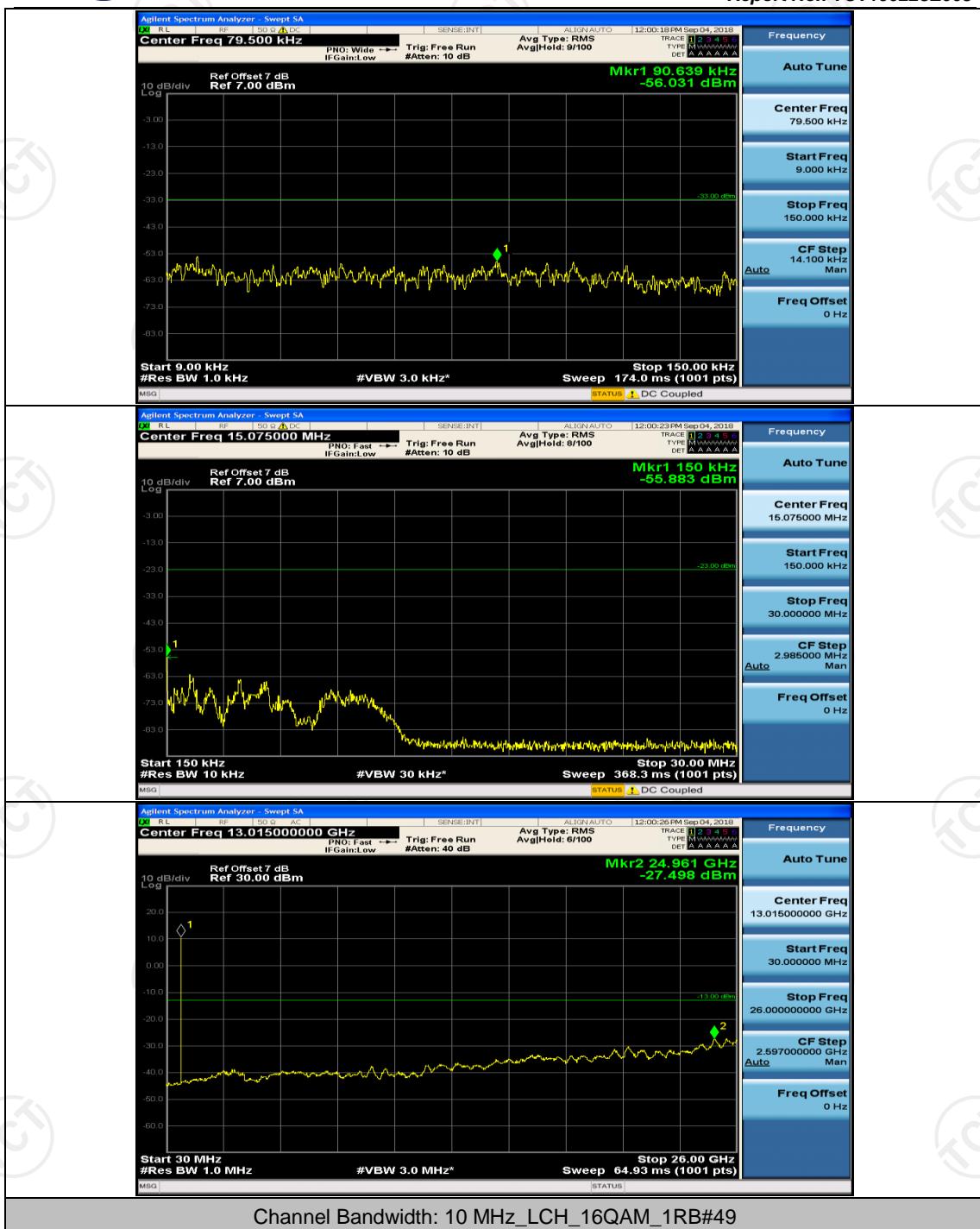


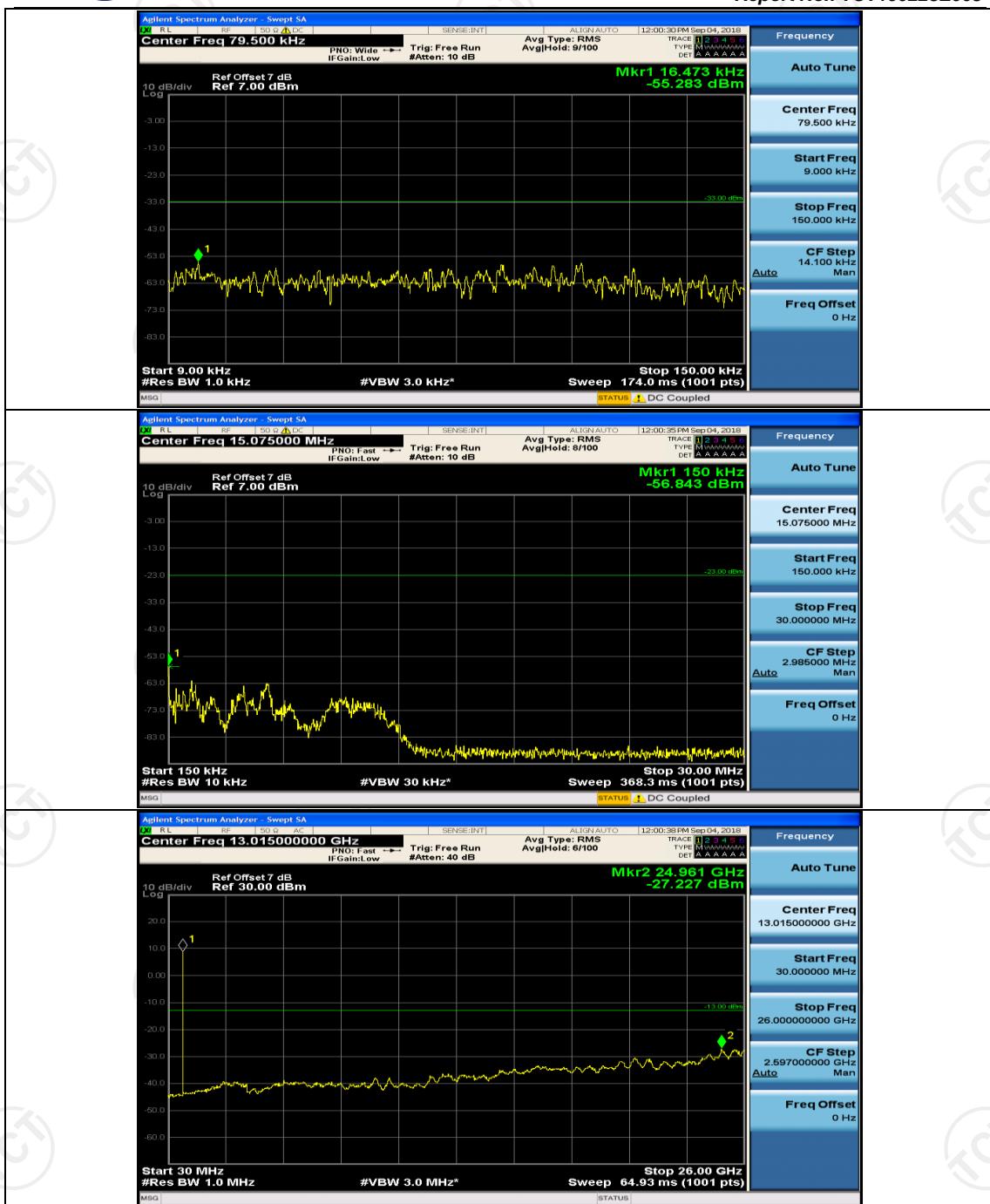


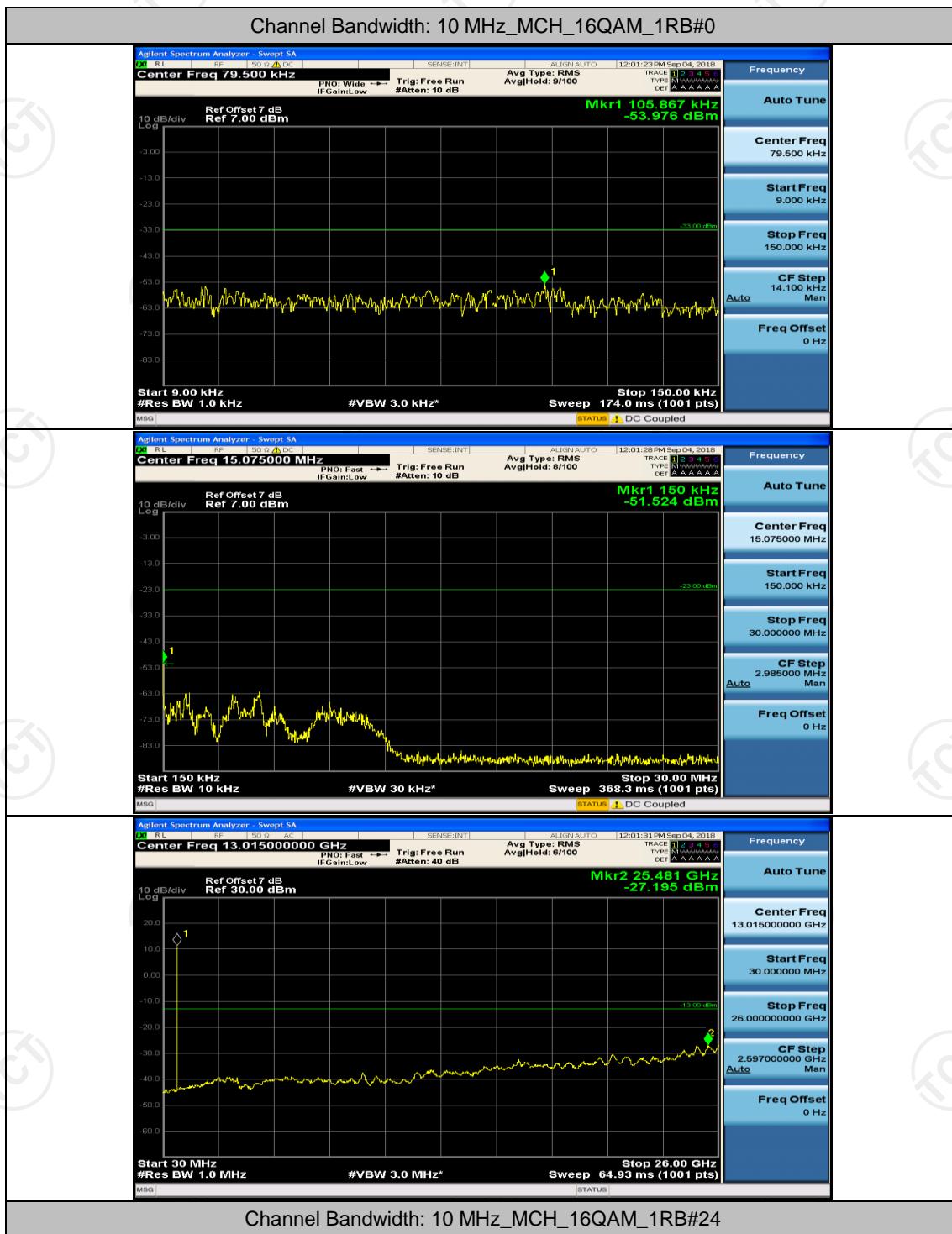


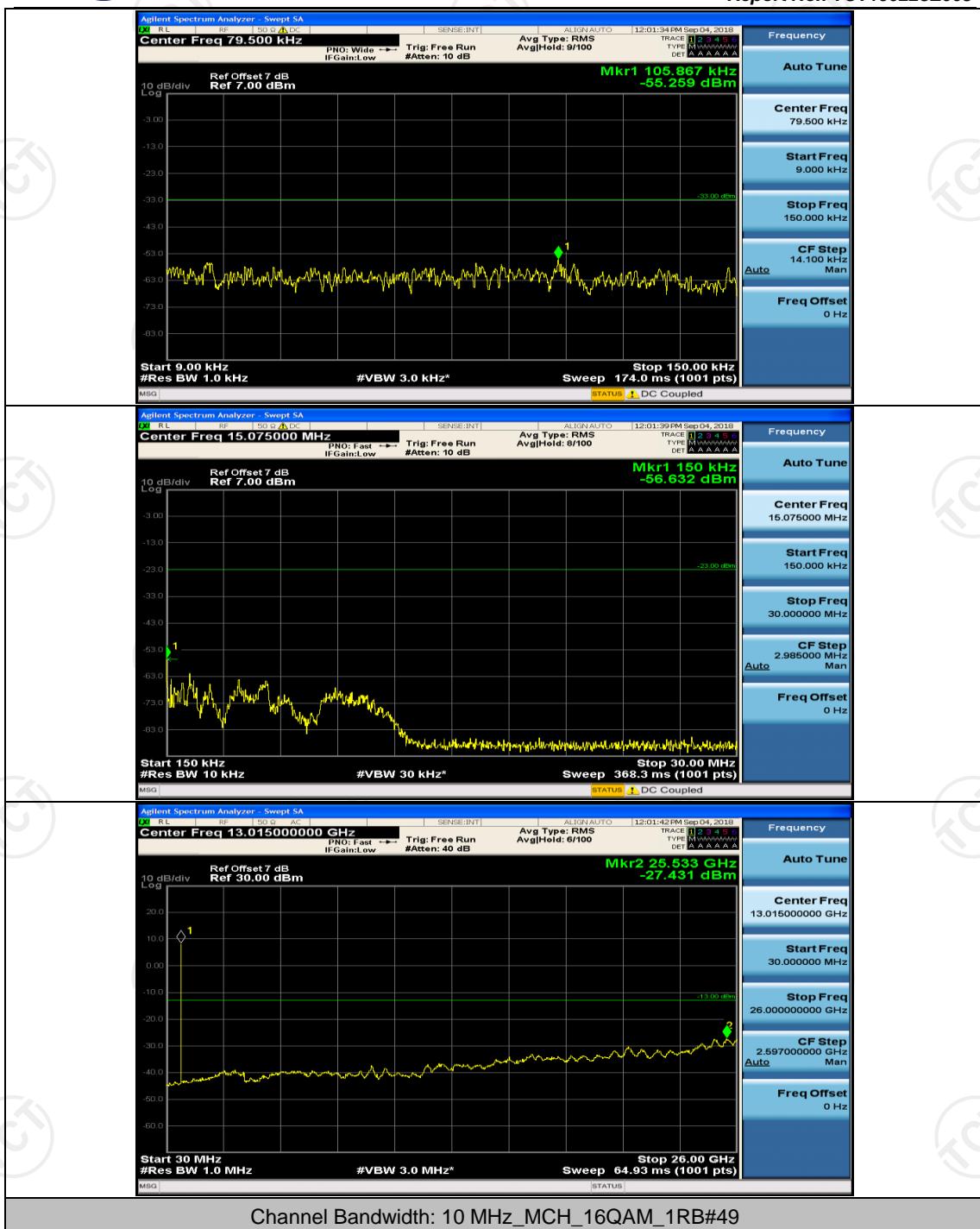


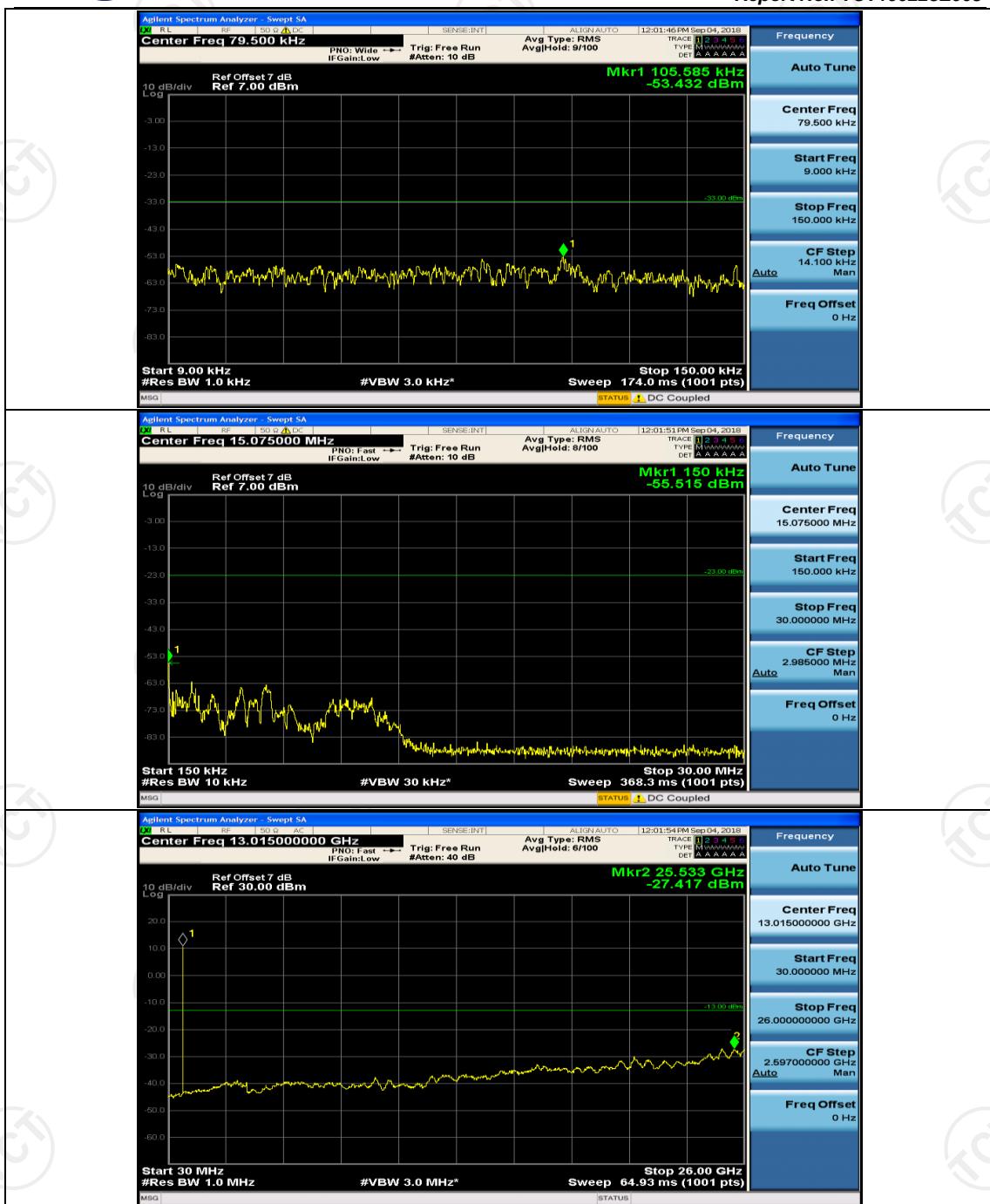


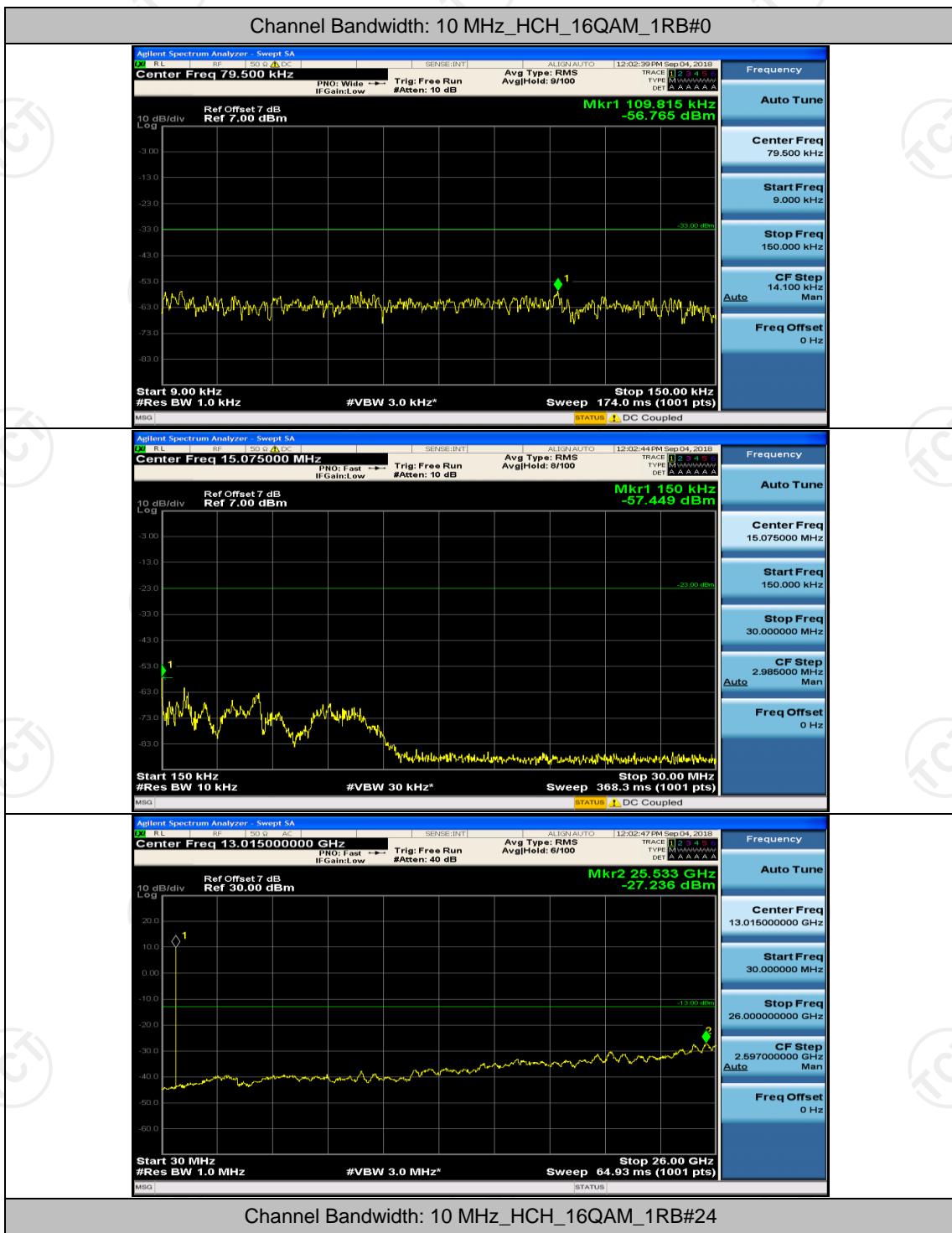


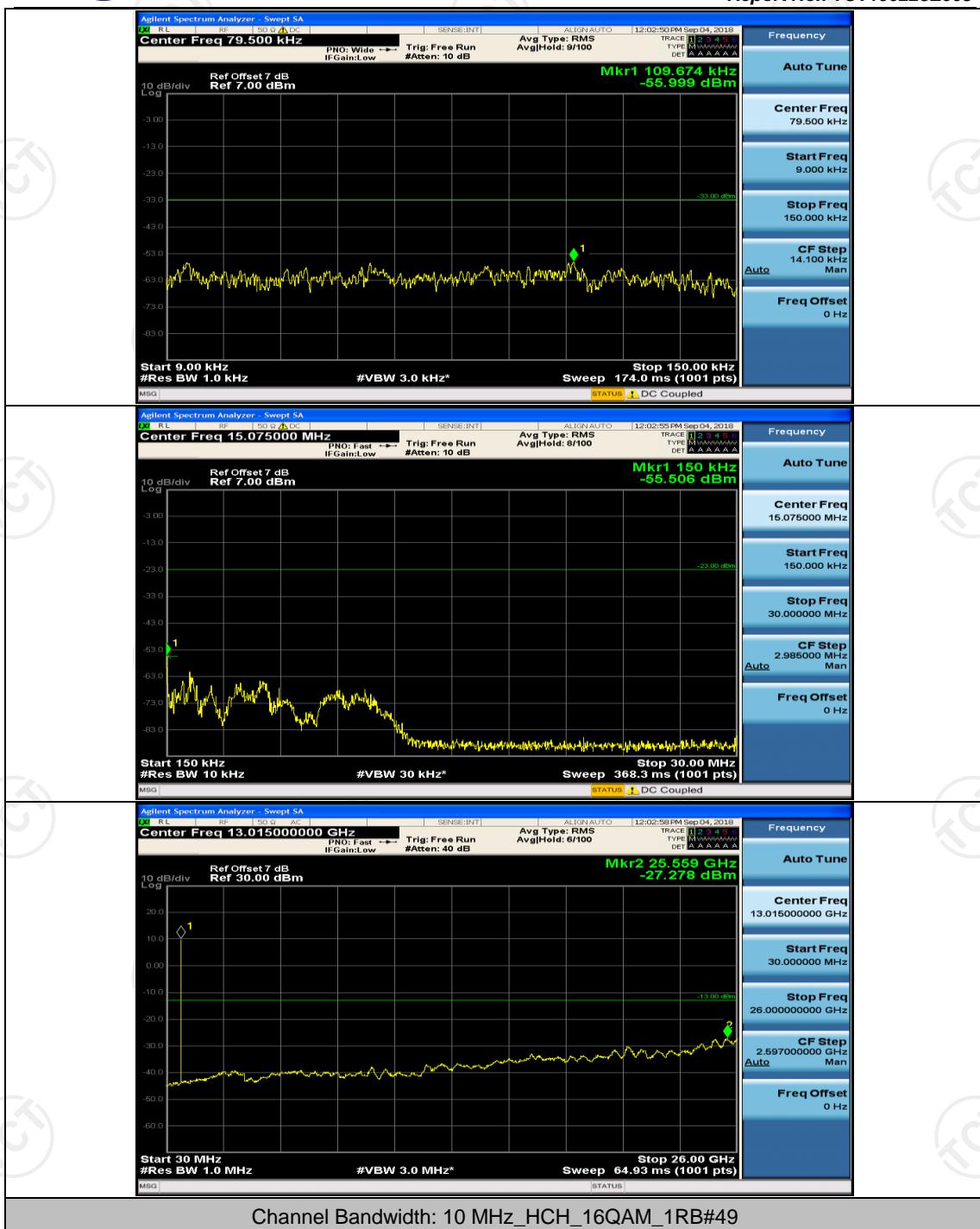


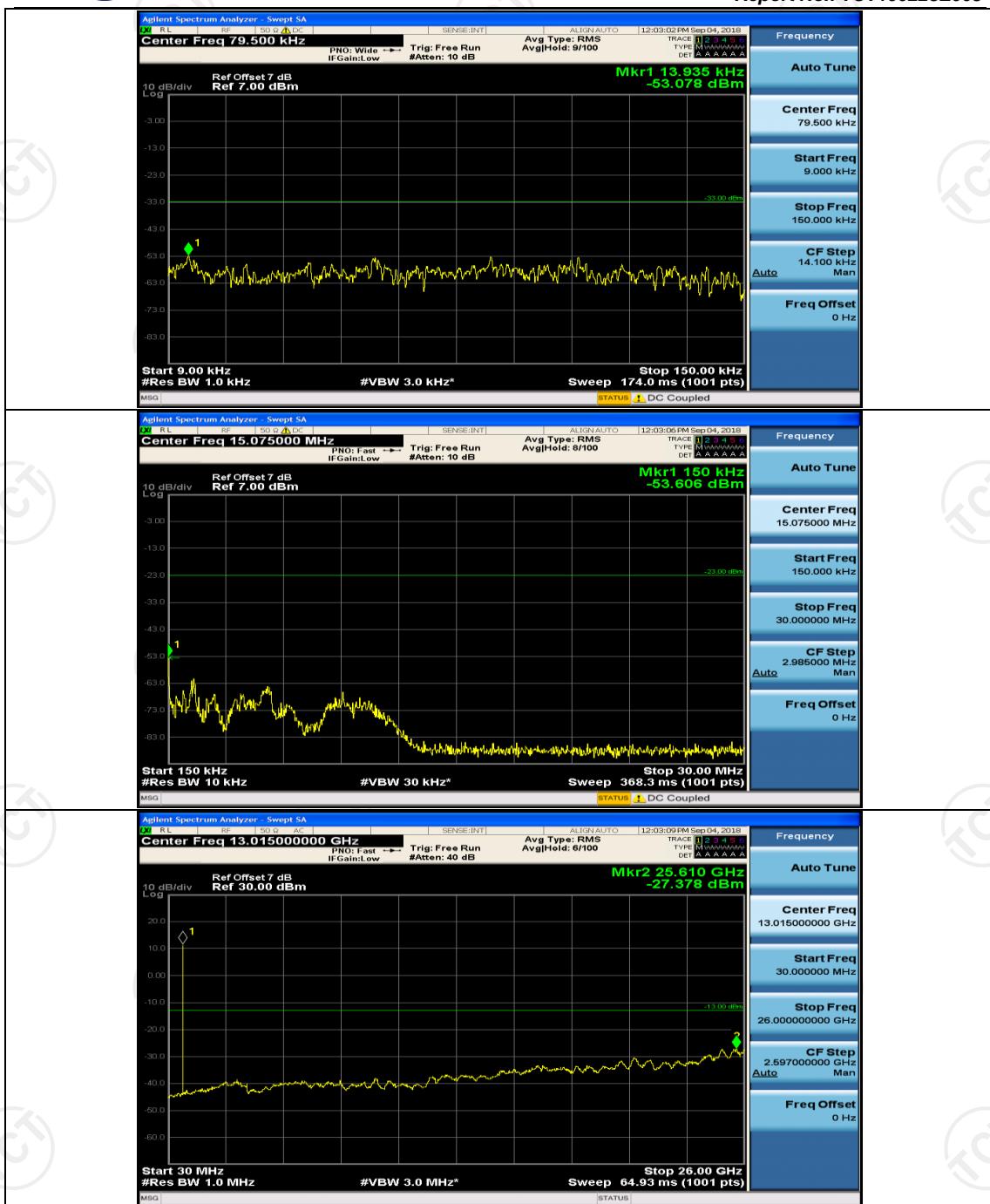












Appendix F: Frequency Stability

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	10.5	25	-0.000252	± 2.5	PASS
		24	25	-0.000225	± 2.5	PASS
		32	25	-0.000217	± 2.5	PASS
	MCH	10.5	25	-0.000451	± 2.5	PASS
		24	25	0.000040	± 2.5	PASS
		32	25	-0.000360	± 2.5	PASS
	HCH	10.5	25	-0.000710	± 2.5	PASS
		24	25	0.000400	± 2.5	PASS
		32	25	-0.000735	± 2.5	PASS
16QAM	LCH	10.5	25	-0.001780	± 2.5	PASS
		24	25	-0.001922	± 2.5	PASS
		32	25	-0.001627	± 2.5	PASS
	MCH	10.5	25	-0.000620	± 2.5	PASS
		24	25	-0.000364	± 2.5	PASS
		32	25	-0.000853	± 2.5	PASS
	HCH	10.5	25	-0.000650	± 2.5	PASS
		24	25	-0.000840	± 2.5	PASS
		32	25	-0.000284	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	24	-30	-0.002165	± 2.5	PASS
		24	-20	-0.002558	± 2.5	PASS
		24	-10	-0.001533	± 2.5	PASS
		24	0	-0.000859	± 2.5	PASS
		24	10	-0.000961	± 2.5	PASS
		24	20	-0.000716	± 2.5	PASS
		24	30	-0.002165	± 2.5	PASS
		24	40	0.001240	± 2.5	PASS
		24	50	-0.000890	± 2.5	PASS
	MCH	24	-30	-0.000607	± 2.5	PASS
		24	-20	-0.000708	± 2.5	PASS
		24	-10	0.000485	± 2.5	PASS
		24	0	-0.004140	± 2.5	PASS
		24	10	-0.003310	± 2.5	PASS
		24	20	-0.001120	± 2.5	PASS
		24	30	-0.001680	± 2.5	PASS

	HCH	24	40	-0.001120	± 2.5	PASS
		24	50	-0.000320	± 2.5	PASS
		24	-30	-0.004140	± 2.5	PASS
		24	-20	-0.001041	± 2.5	PASS
		24	-10	0.000041	± 2.5	PASS
		24	0	-0.000450	± 2.5	PASS
		24	10	-0.001411	± 2.5	PASS
		24	20	-0.000736	± 2.5	PASS
		24	30	-0.001830	± 2.5	PASS
		24	40	-0.001154	± 2.5	PASS
16QAM	LCH	24	50	0.000586	± 2.5	PASS
		24	-30	-0.000667	± 2.5	PASS
		24	-20	-0.001051	± 2.5	PASS
		24	-10	-0.001638	± 2.5	PASS
		24	0	-0.001830	± 2.5	PASS
		24	10	-0.002310	± 2.5	PASS
		24	20	-0.000420	± 2.5	PASS
		24	30	-0.000960	± 2.5	PASS
	MCH	24	40	-0.000640	± 2.5	PASS
		24	50	-0.001940	± 2.5	PASS
		24	-30	-0.002165	± 2.5	PASS
		24	-20	-0.002558	± 2.5	PASS
		24	-10	-0.001533	± 2.5	PASS
		24	0	-0.000859	± 2.5	PASS
		24	10	-0.000961	± 2.5	PASS
		24	20	-0.000716	± 2.5	PASS
	HCH	24	30	-0.002165	± 2.5	PASS
		24	40	0.001240	± 2.5	PASS
		24	50	-0.000890	± 2.5	PASS
		24	-30	-0.000607	± 2.5	PASS
		24	-20	-0.000708	± 2.5	PASS
		24	-10	0.000485	± 2.5	PASS
		24	0	-0.004140	± 2.5	PASS
		24	10	-0.003310	± 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	-32.72	-13.00	PASS
2099.1	V	-43.68		
-	V	-		
1399.4	Horizontal	-31.14		
2099.1	H	-44.36		
-	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	-32.34	-13.00	PASS
2122.5	V	-44.60		
-	V	-		
1415	Horizontal	-33.12		
2122.5	H	-44.79		
-	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	-32.57	-13.00	PASS
2145.9	V	-41.63		
-	V	-		
1430.6	Horizontal	-32.18		
2145.9	H	-45.74		
-	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
1399.4	Polarization	Level (dBm)		
1399.4	Vertical	-31.45	-13.00	PASS
2099.1	V	-42.68		
-	V	-		
1399.4	Horizontal	-32.47		
2099.1	H	-46.45		
-	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
1415	Polarization	Level (dBm)		
1415	Vertical	-31.60	-13.00	PASS
2122.5	V	-42.58		
-	V	-		
1415	Horizontal	-32.65		
2122.5	H	-43.87		
-	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
1430.6	Polarization	Level (dBm)		
1430.6	Vertical	-31.54	-13.00	PASS
2145.9	V	-42.22		
-	V	-		
1430.6	Horizontal	-32.56		
2145.9	H	-45.45		
-	H	-		

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