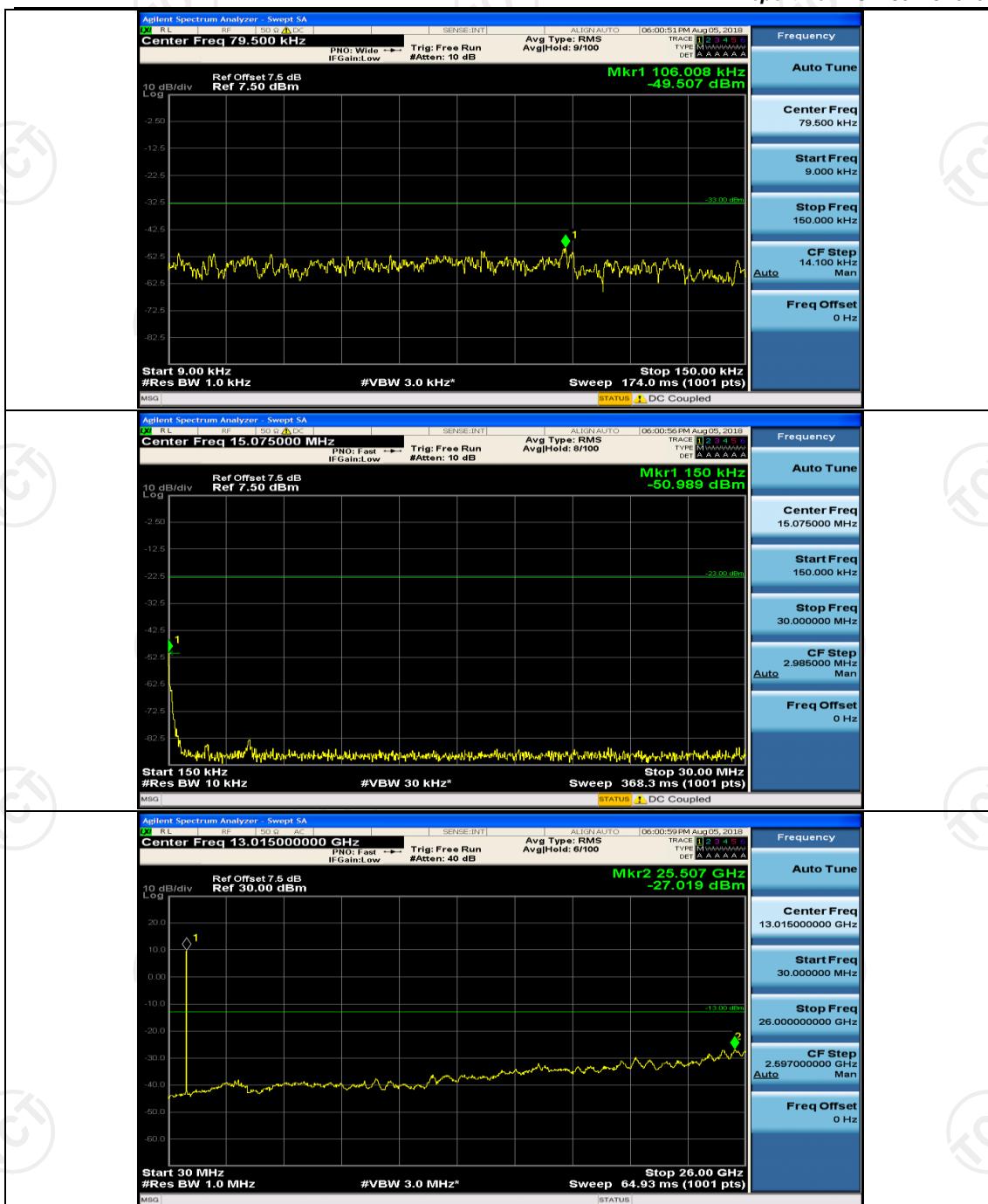
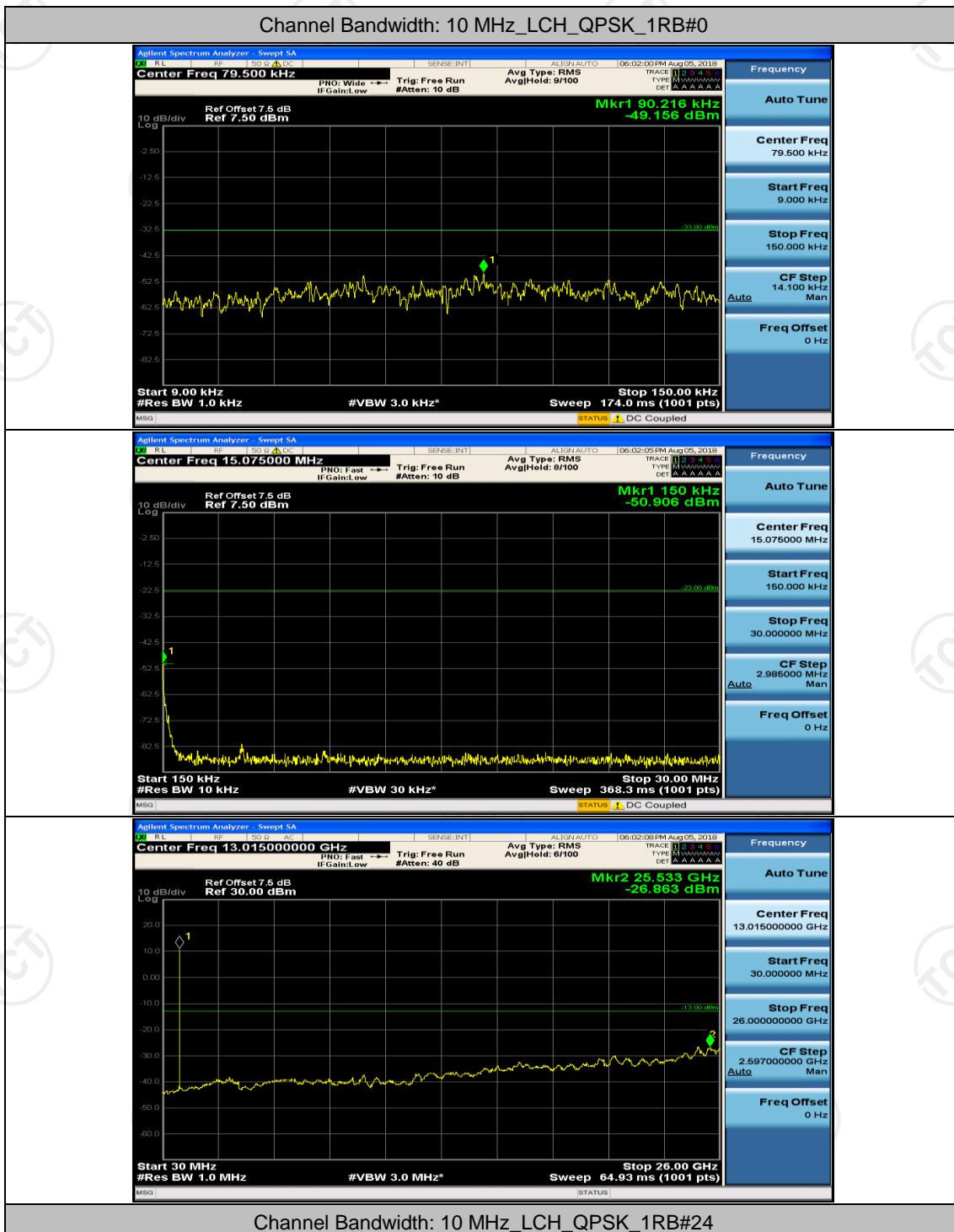
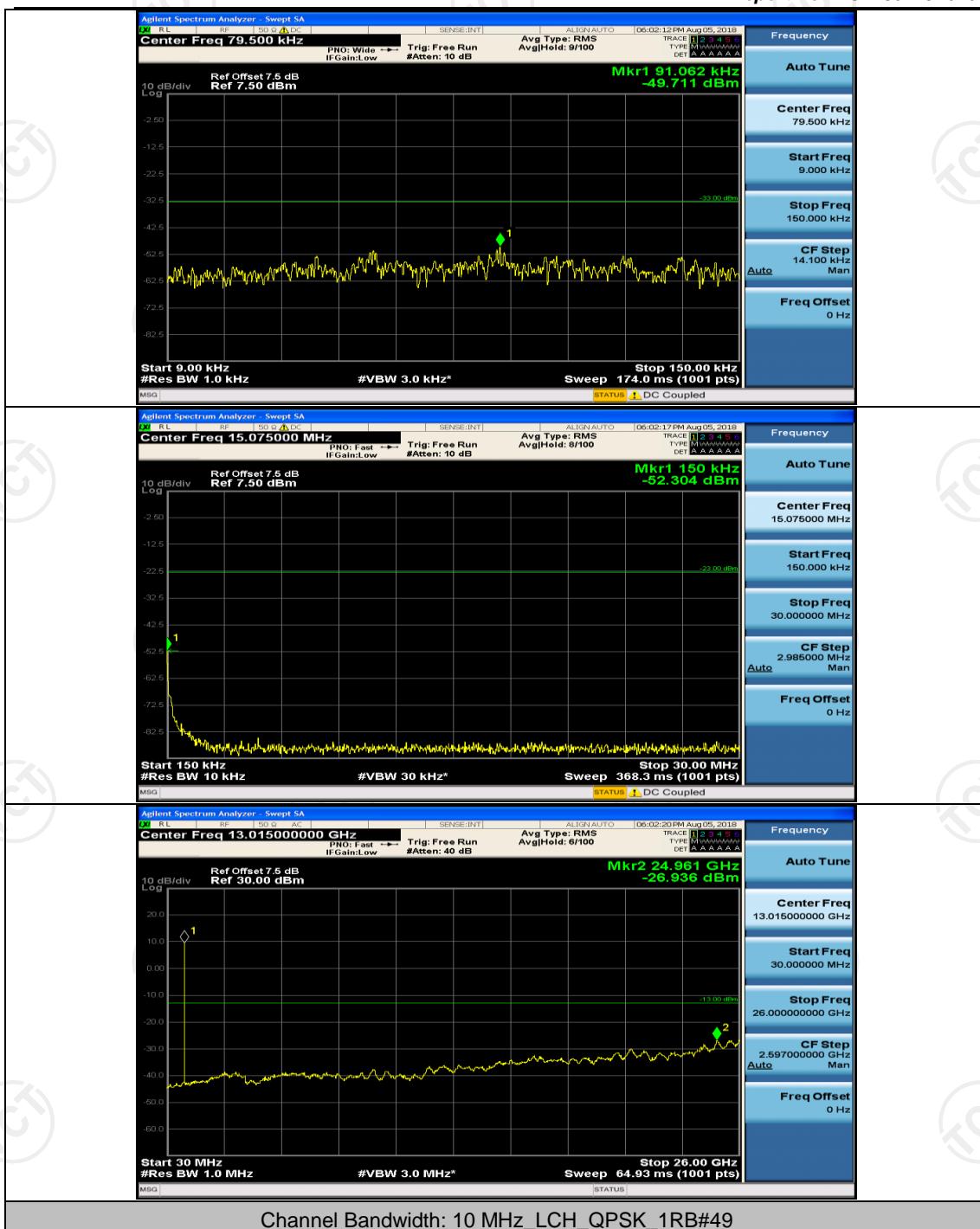


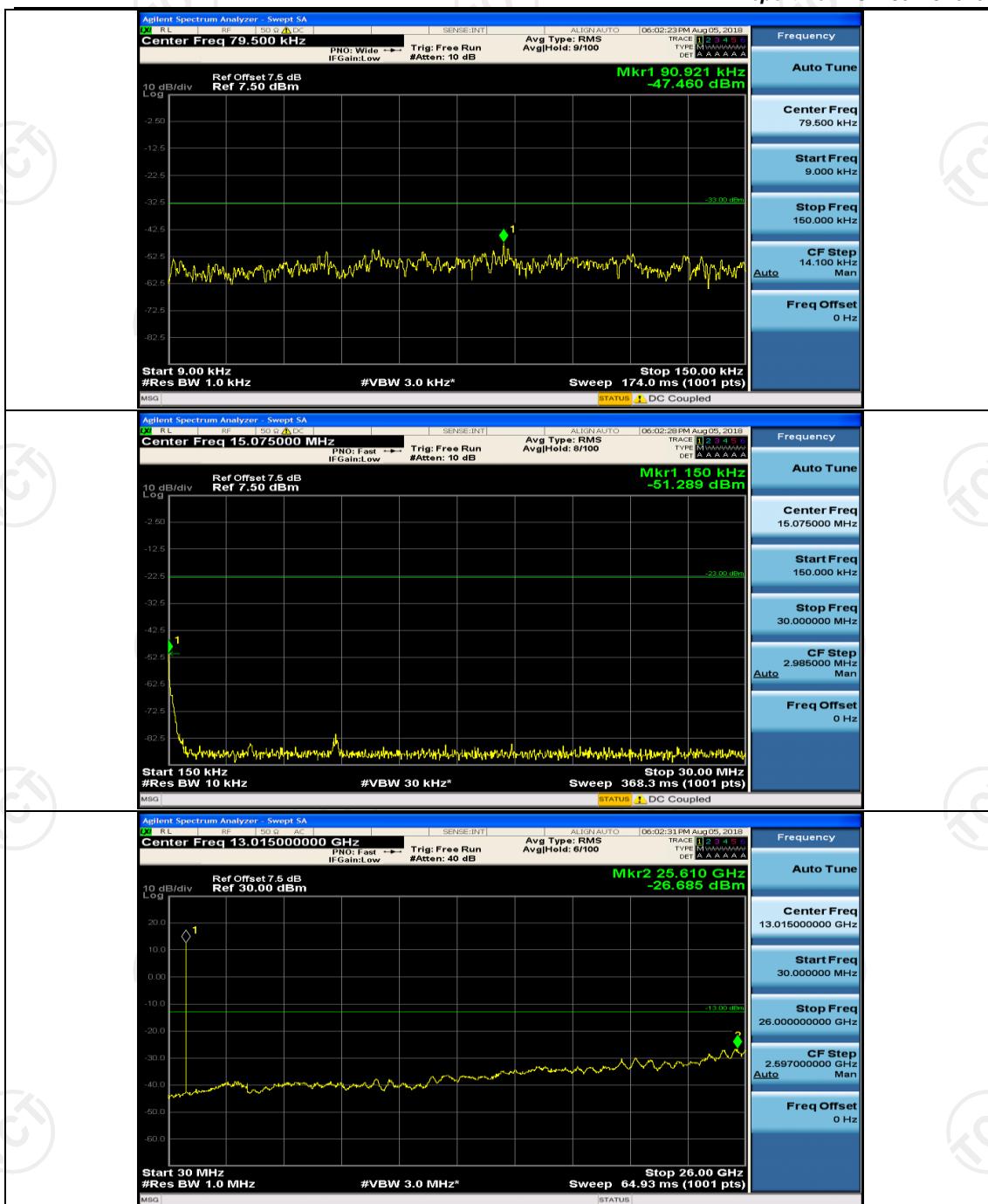
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24

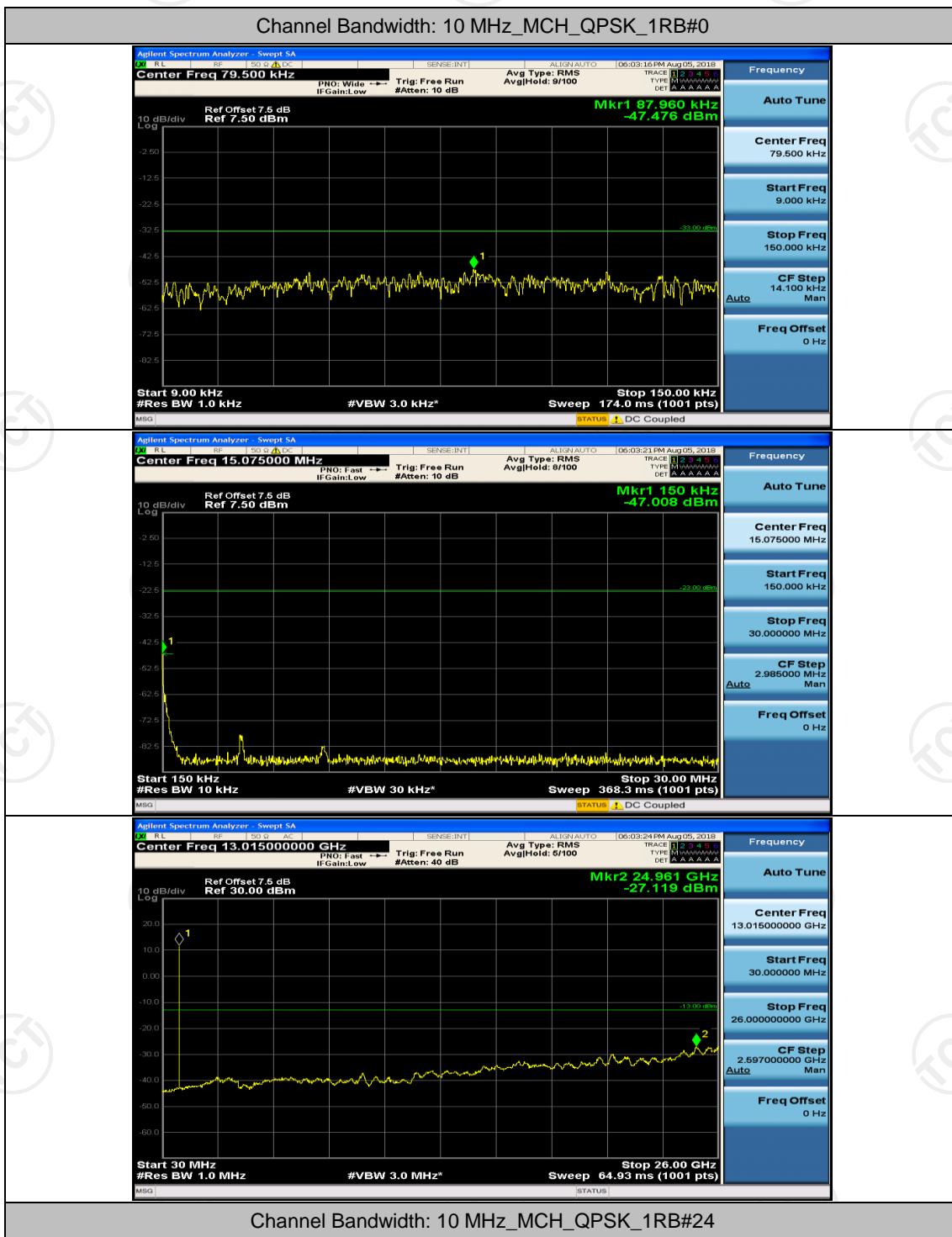


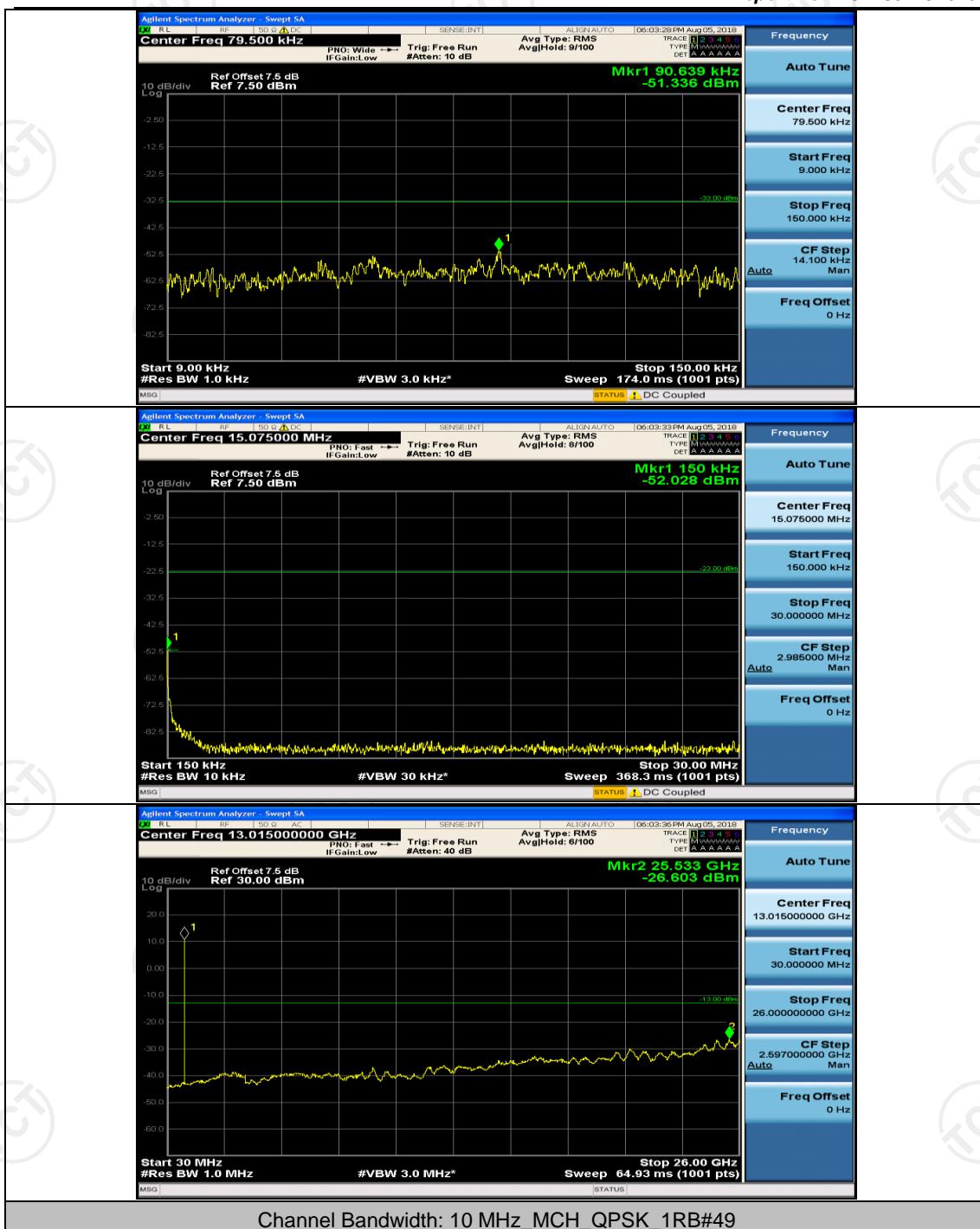
Channel Bandwidth: 10 MHz

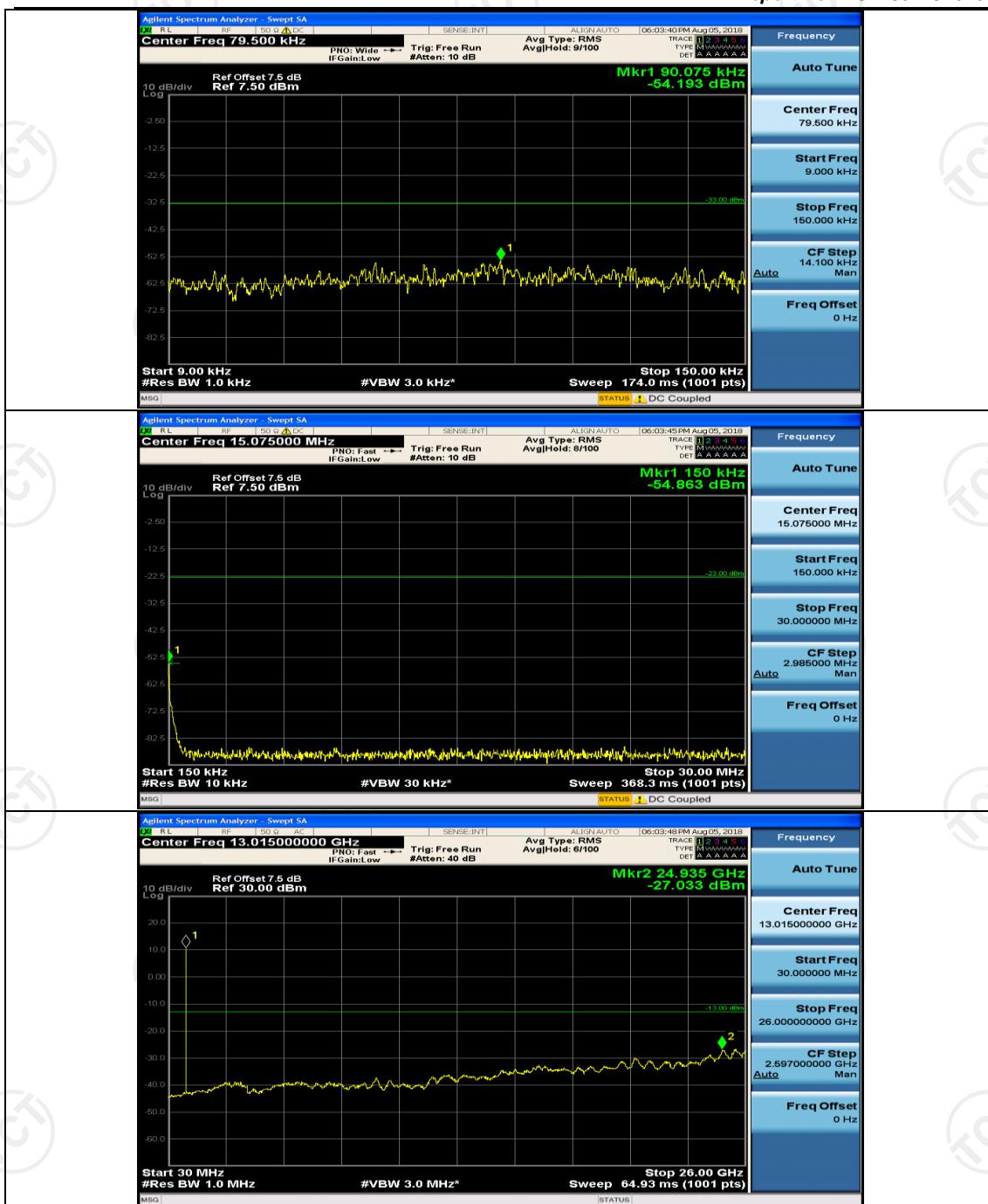


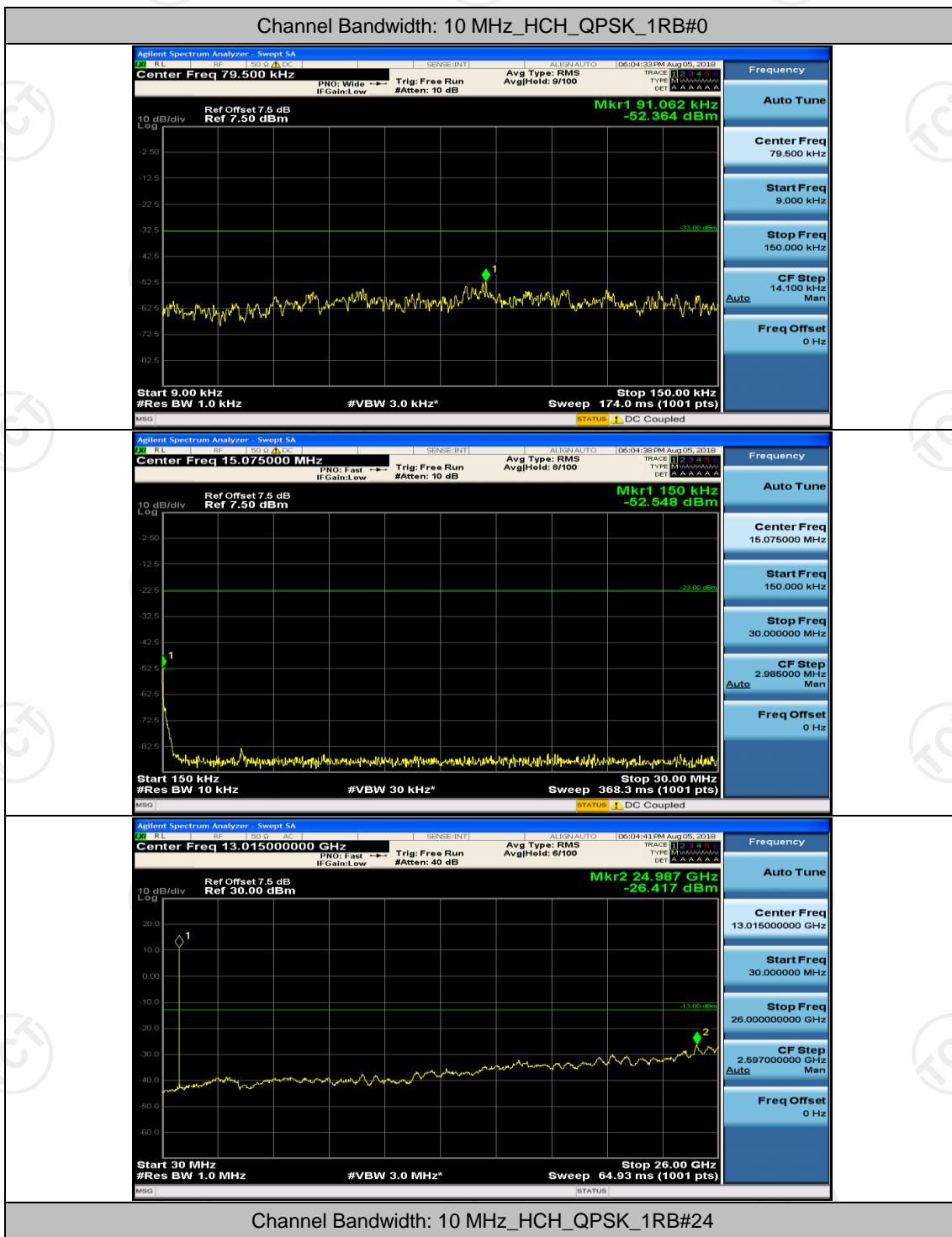


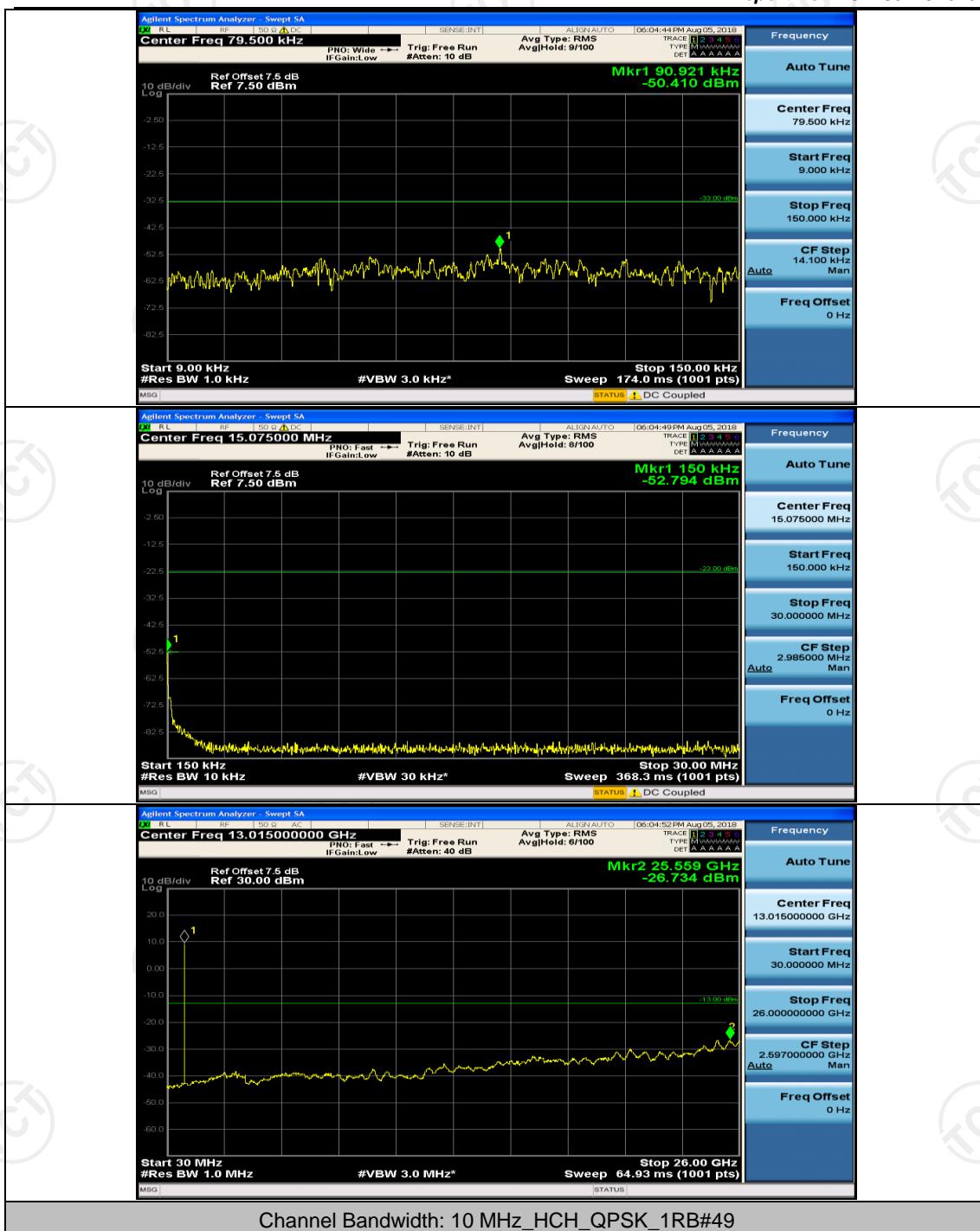


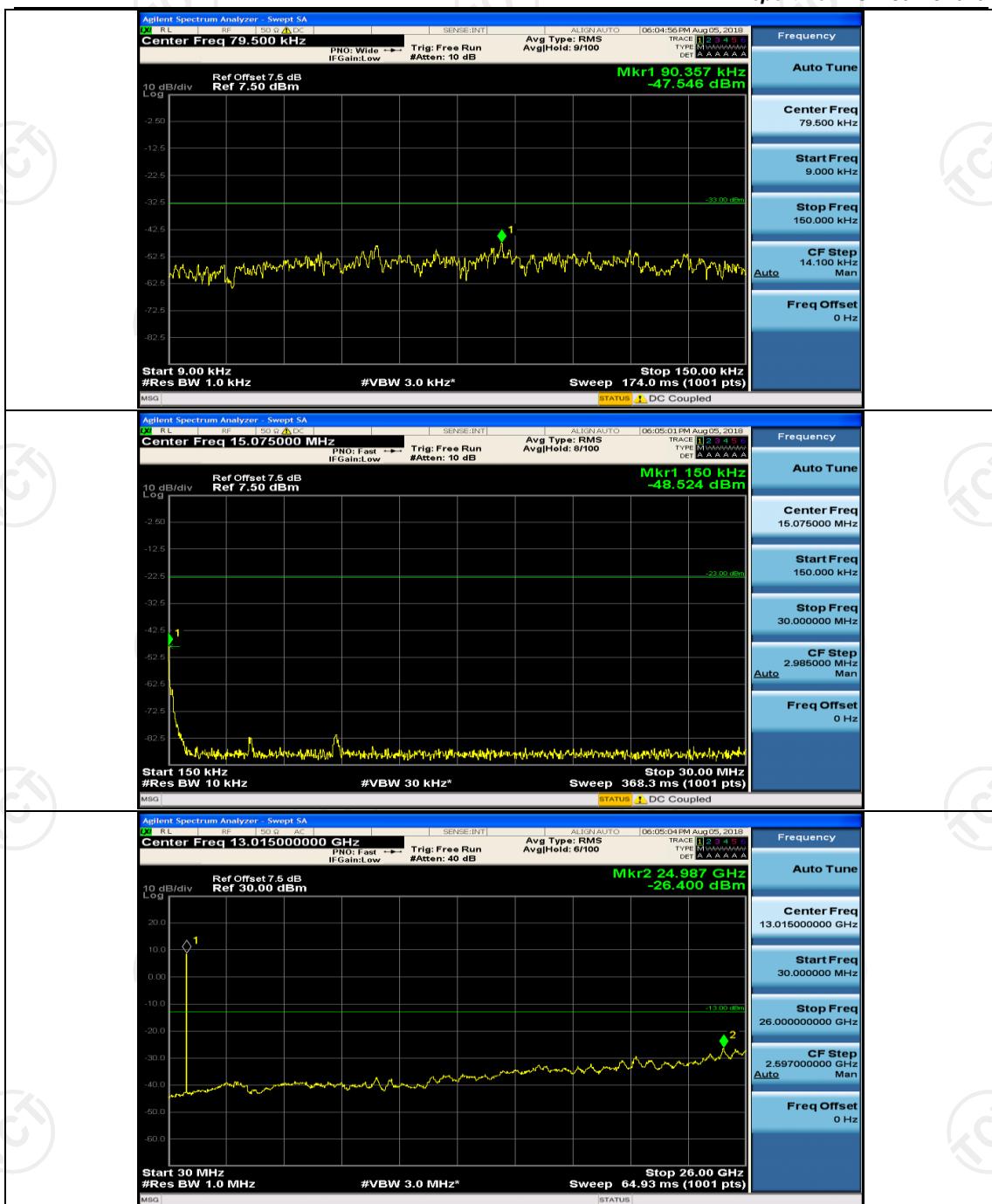


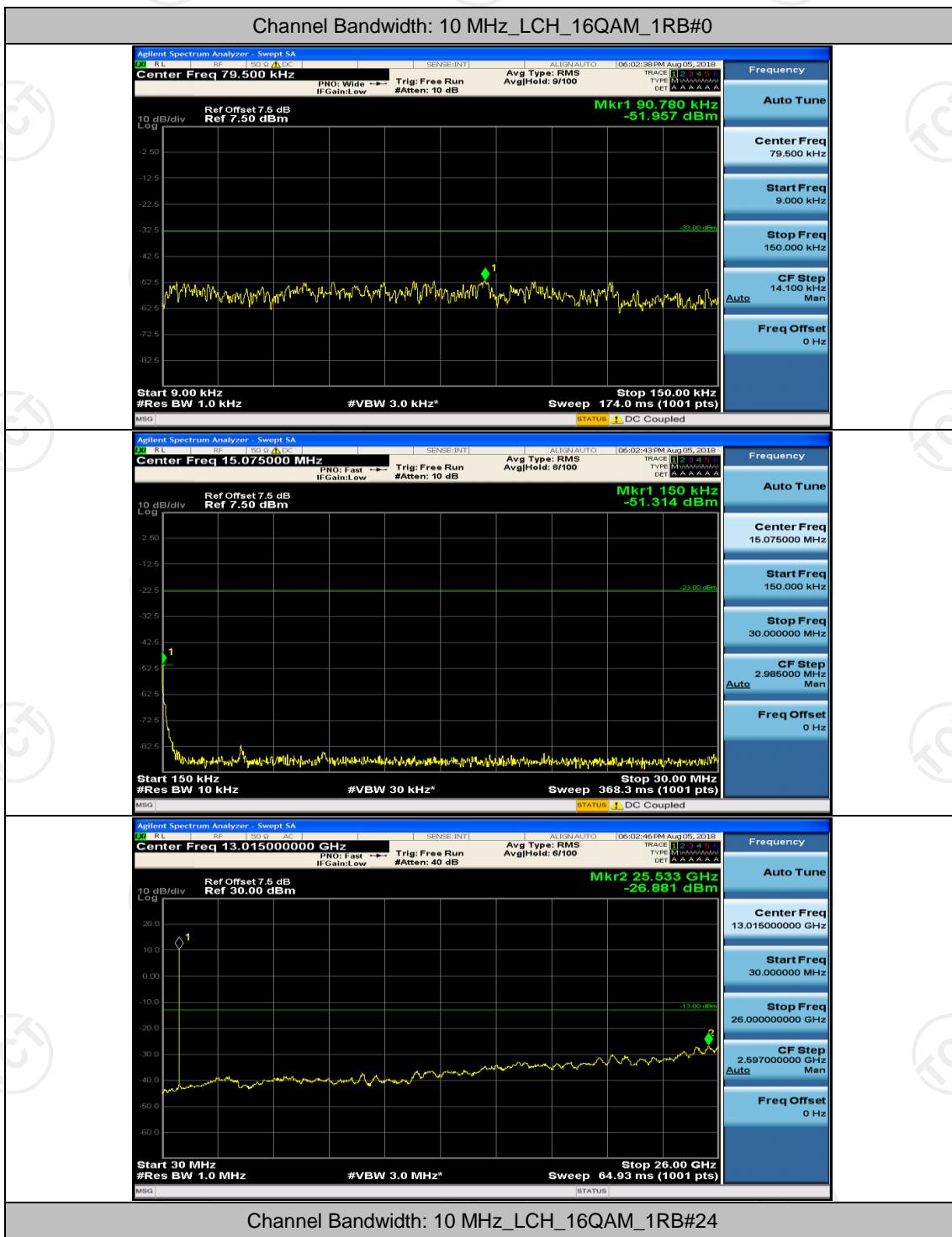


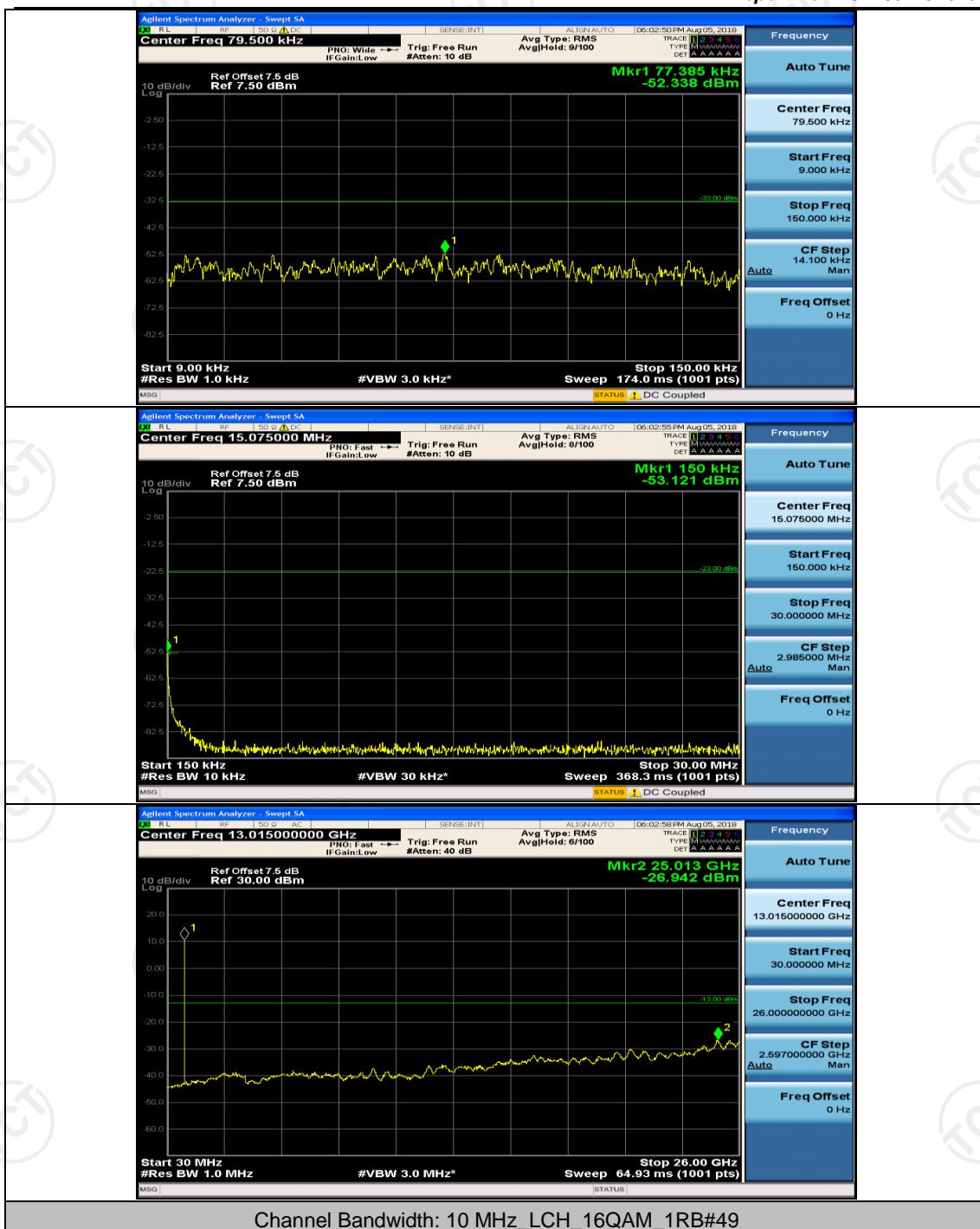


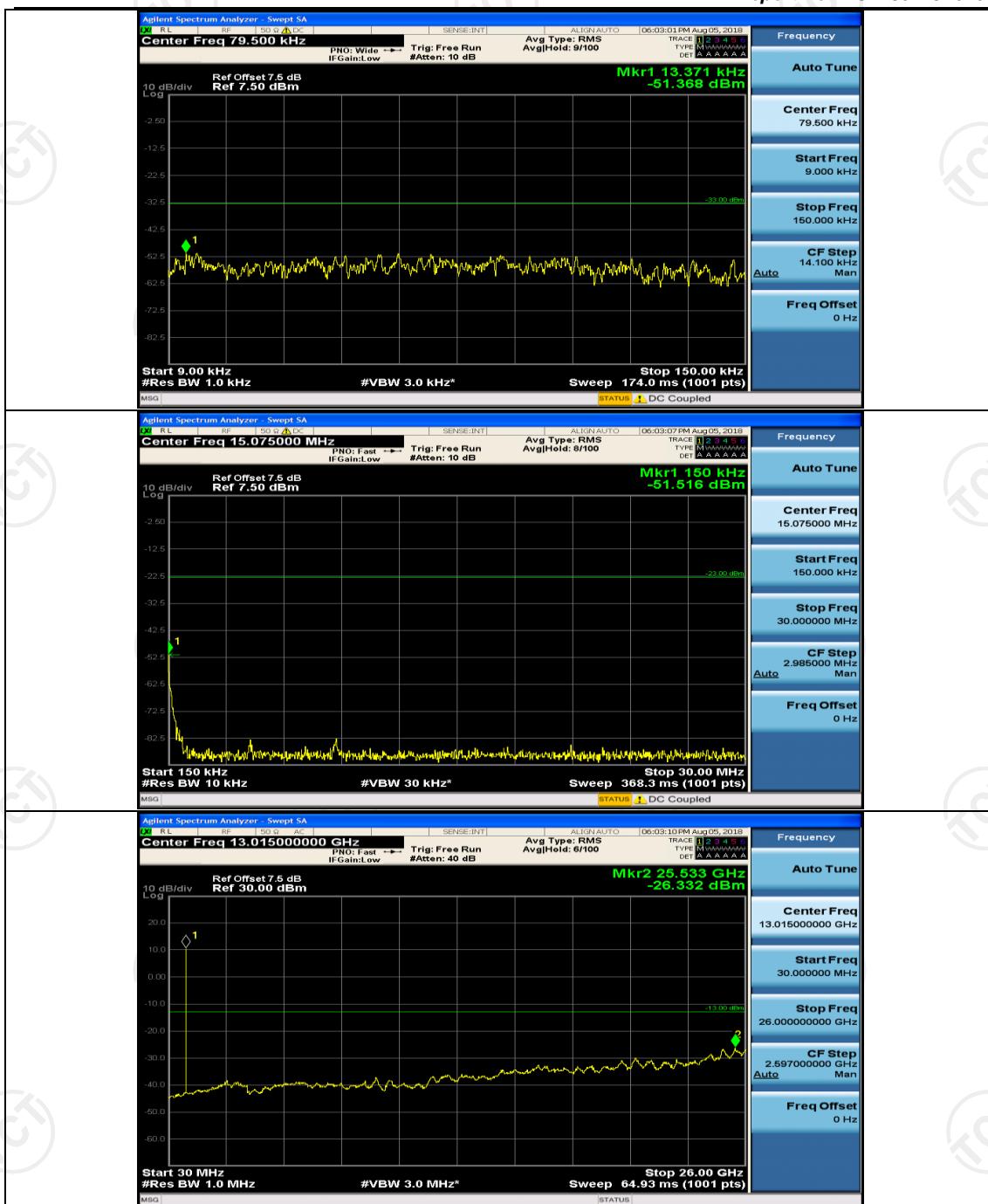


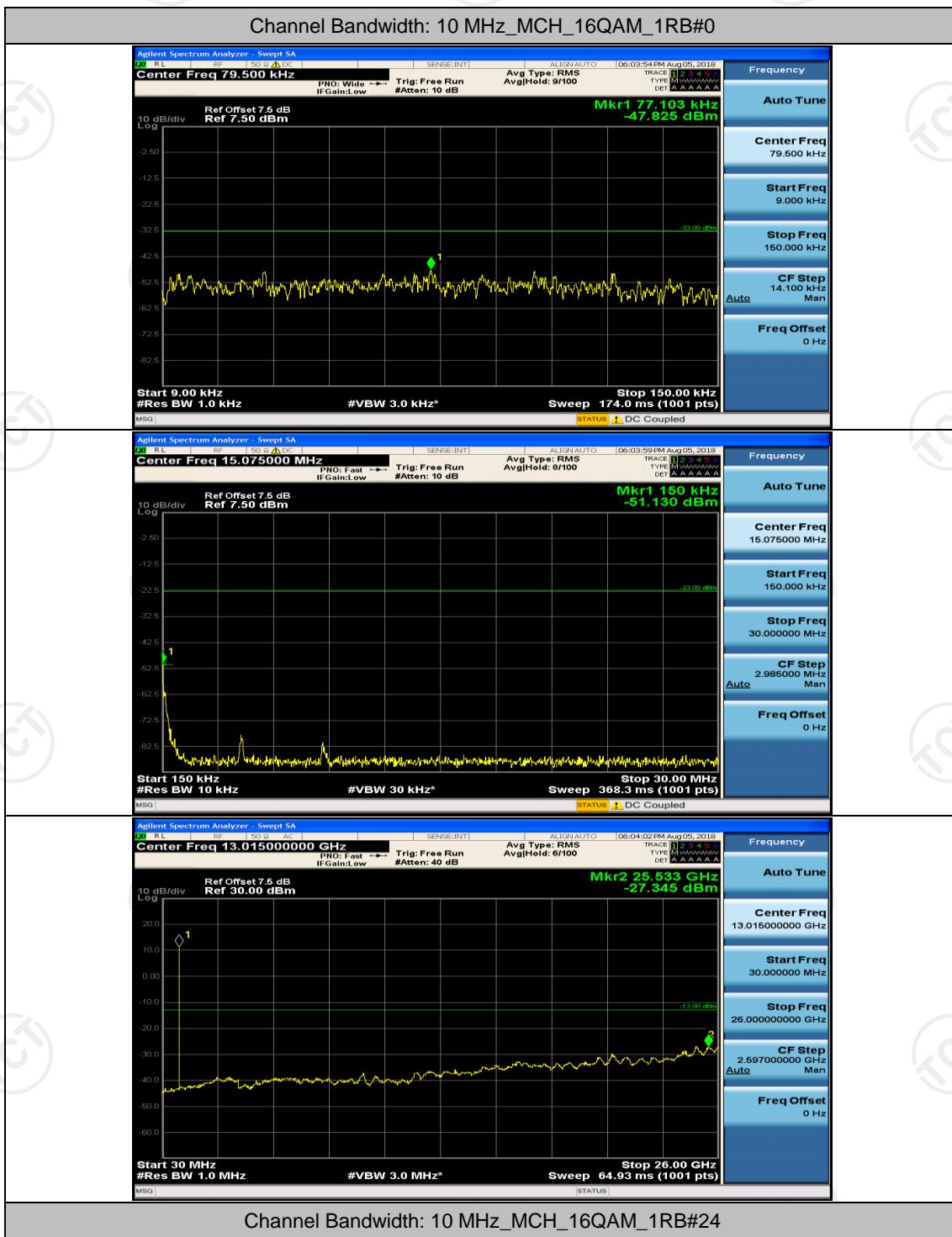


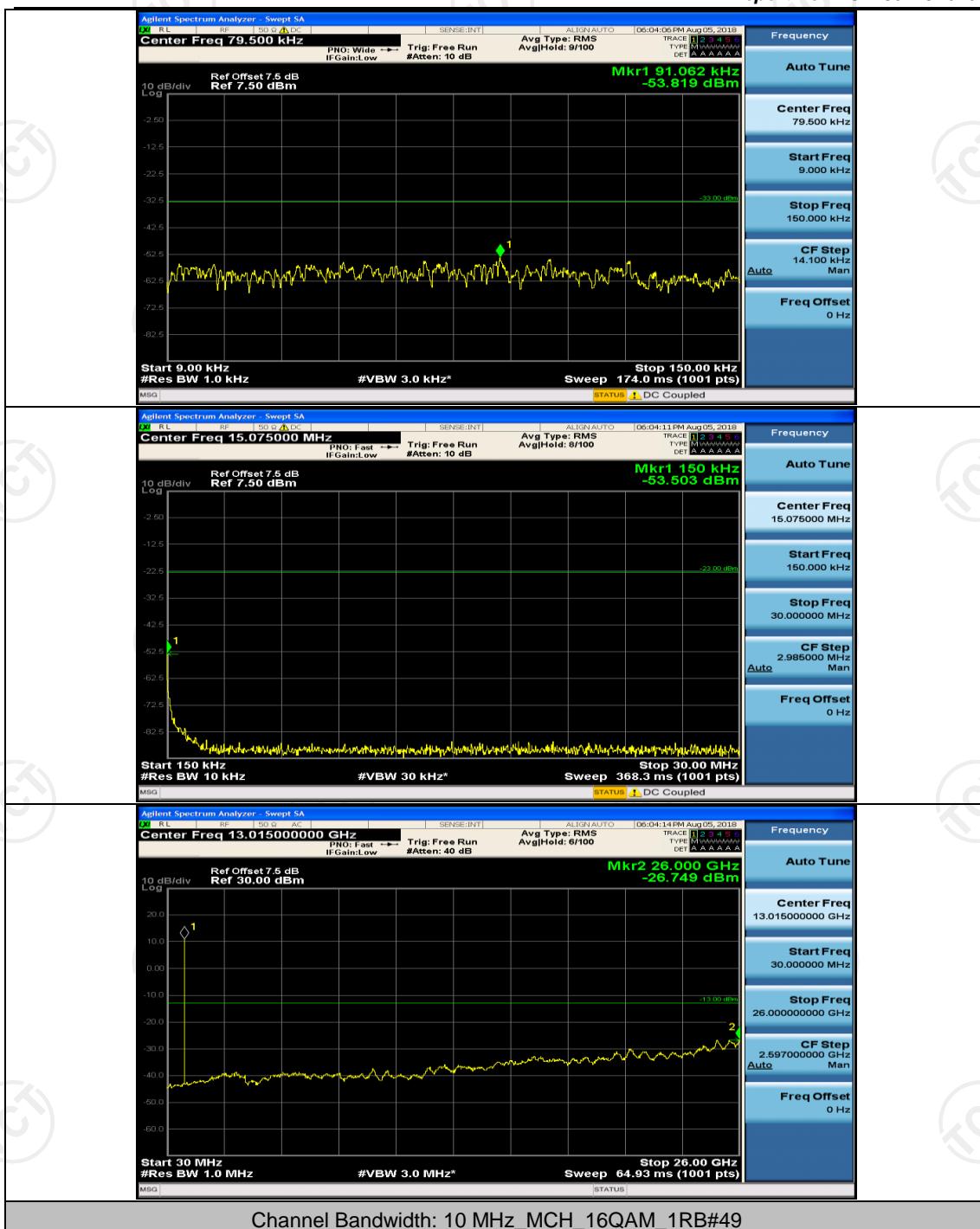


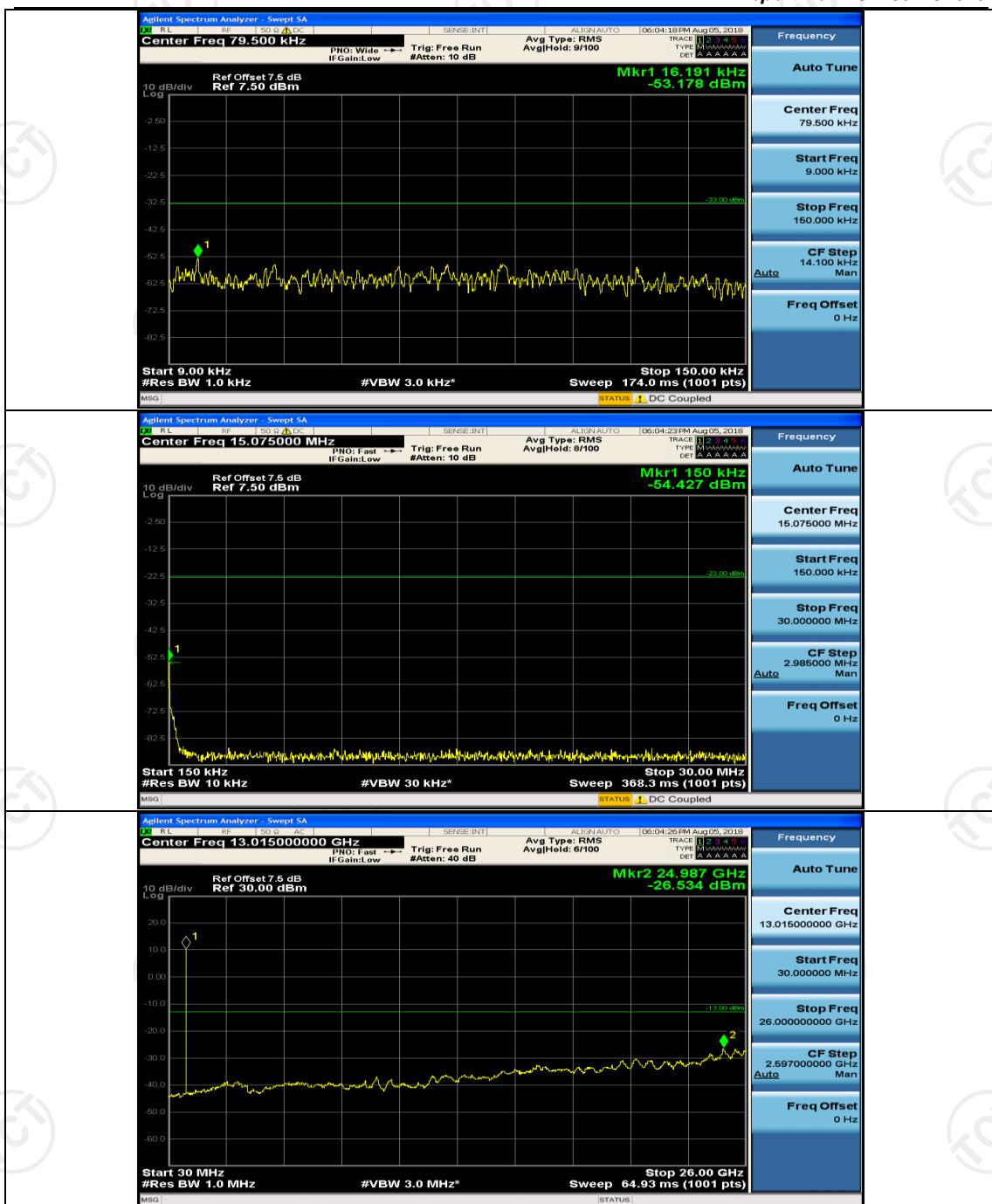


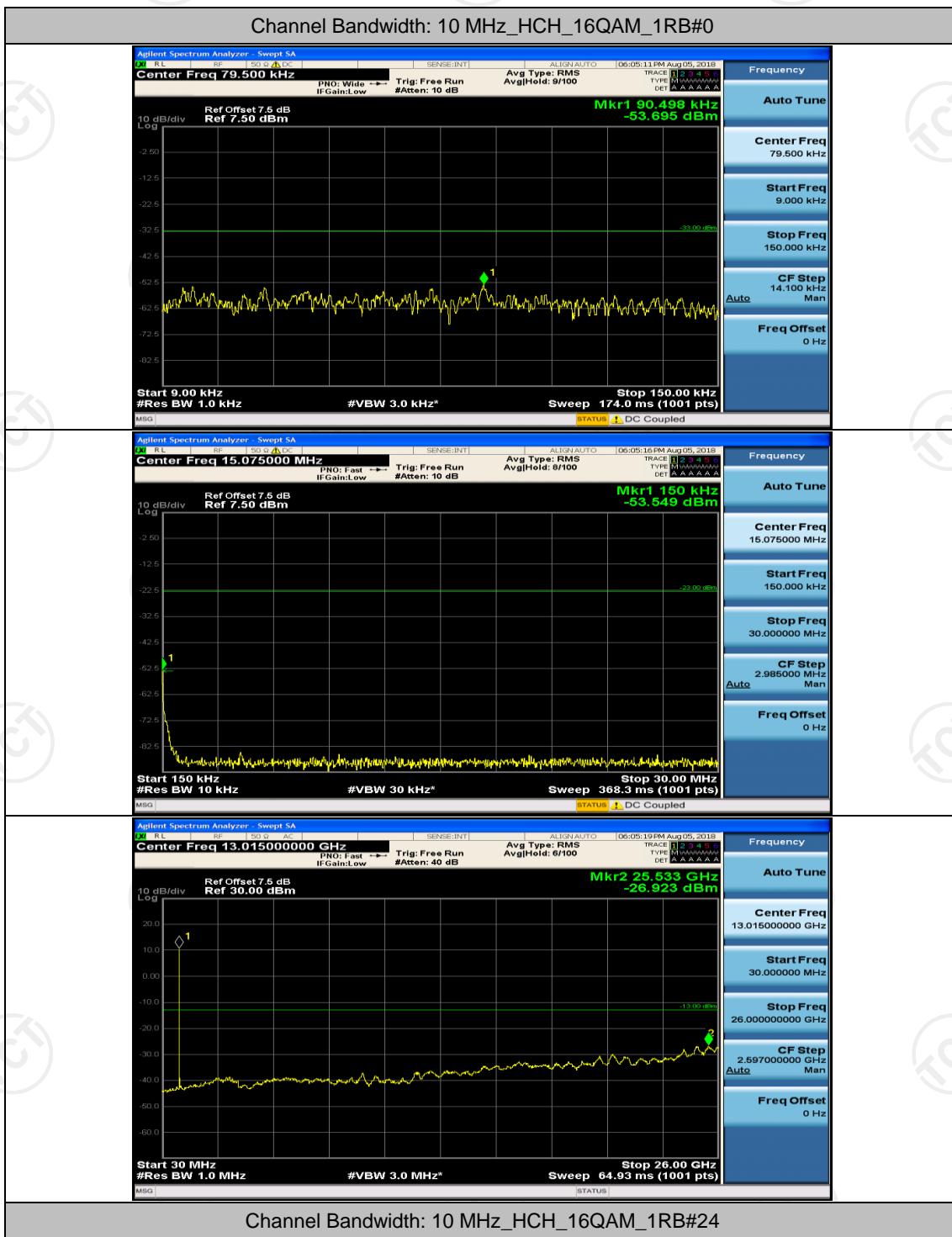


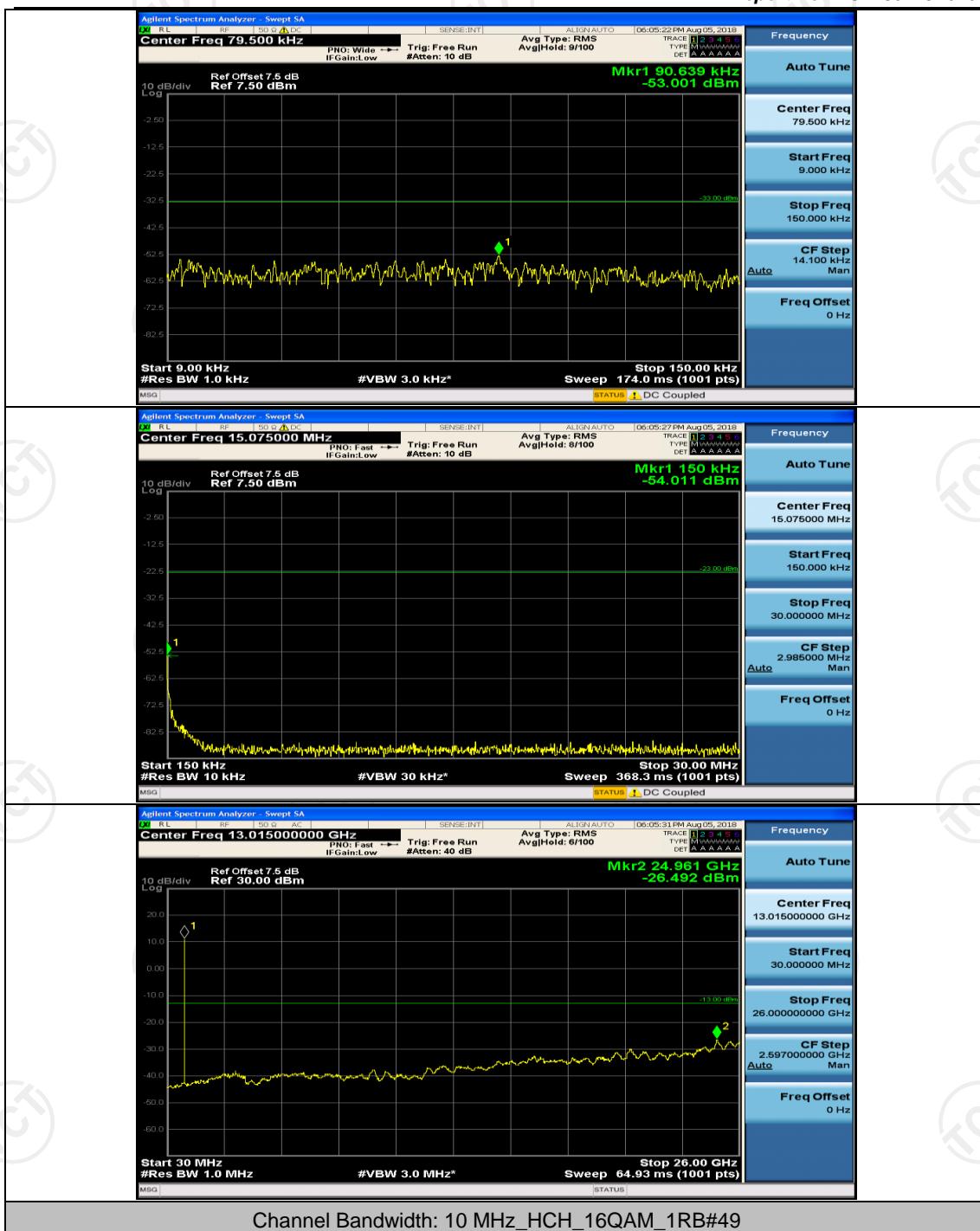


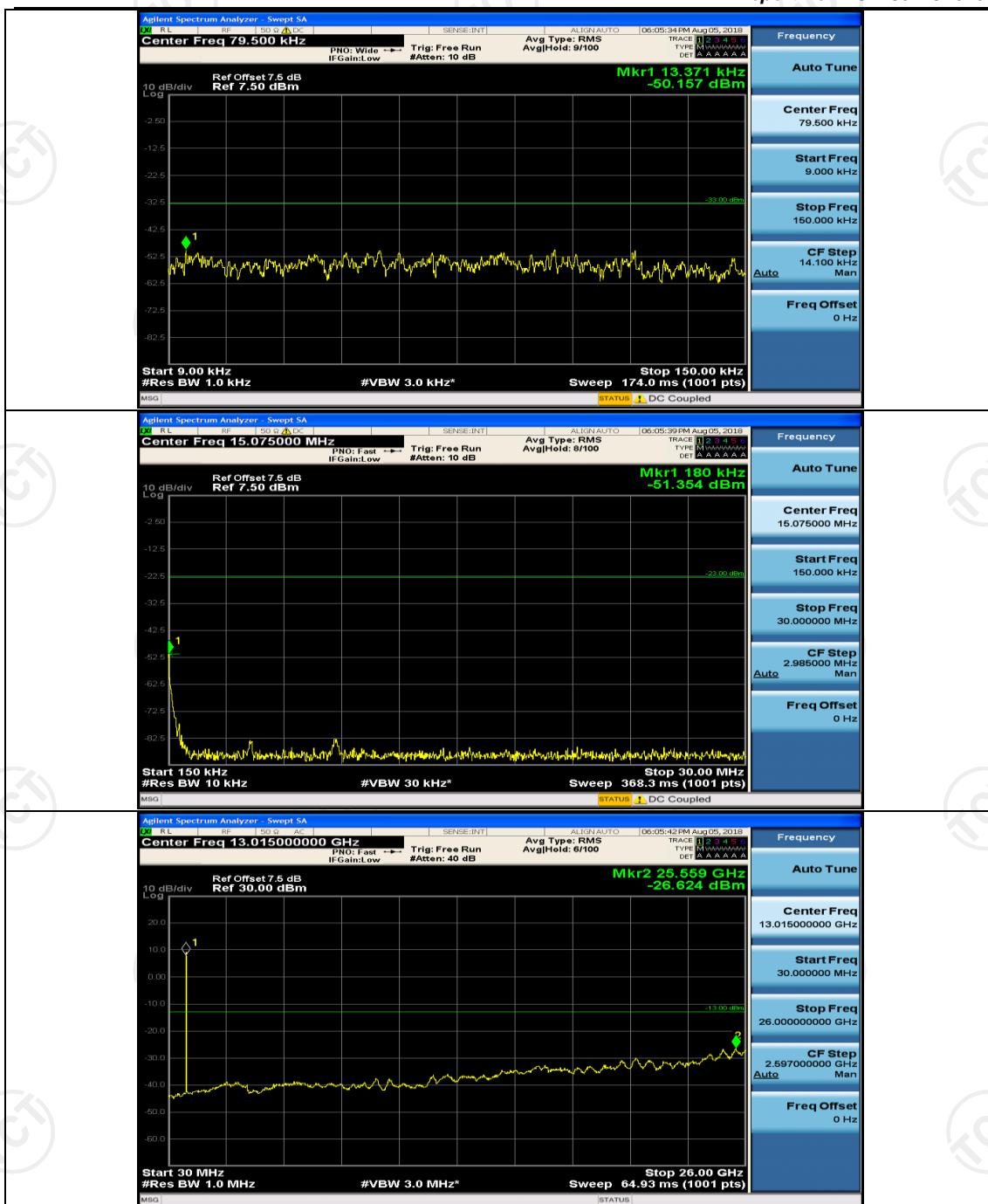












Appendix F: Frequency Stability

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	3.3	25	0.001144	± 2.5	PASS
		3.7	25	-0.001232	± 2.5	PASS
		4.2	25	-0.000710	± 2.5	PASS
	MCH	3.3	25	0.000941	± 2.5	PASS
		3.7	25	-0.000205	± 2.5	PASS
		4.2	25	0.000376	± 2.5	PASS
	HCH	3.3	25	-0.000203	± 2.5	PASS
		3.7	25	0.000523	± 2.5	PASS
		4.2	25	0.000152	± 2.5	PASS
16QAM	LCH	3.3	25	0.000433	± 2.5	PASS
		3.7	25	-0.000364	± 2.5	PASS
		4.2	25	-0.001315	± 2.5	PASS
	MCH	3.3	25	0.000513	± 2.5	PASS
		3.7	25	-0.001368	± 2.5	PASS
		4.2	25	0.000103	± 2.5	PASS
	HCH	3.3	25	-0.001063	± 2.5	PASS
		3.7	25	0.001568	± 2.5	PASS
		4.2	25	-0.000608	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	0.000277	± 2.5	PASS
		3.7	-20	0.001854	± 2.5	PASS
		3.7	-10	0.000243	± 2.5	PASS
		3.7	0	0.000451	± 2.5	PASS
		3.7	10	0.000415	± 2.5	PASS
		3.7	20	-0.000590	± 2.5	PASS
		3.7	30	-0.000867	± 2.5	PASS
		3.7	40	-0.000590	± 2.5	PASS
		3.7	50	-0.001613	± 2.5	PASS
	MCH	3.7	-30	-0.000633	± 2.5	PASS
		3.7	-20	-0.000222	± 2.5	PASS
		3.7	-10	0.000599	± 2.5	PASS
		3.7	0	0.000941	± 2.5	PASS
		3.7	10	0.000599	± 2.5	PASS
		3.7	20	-0.000667	± 2.5	PASS
		3.7	30	0.000342	± 2.5	PASS

	HCH	3.7	40	0.000291	± 2.5	PASS
		3.7	50	0.000838	± 2.5	PASS
		3.7	-30	-0.000827	± 2.5	PASS
		3.7	-20	0.000709	± 2.5	PASS
		3.7	-10	-0.000625	± 2.5	PASS
		3.7	0	-0.000219	± 2.5	PASS
		3.7	10	-0.000997	± 2.5	PASS
		3.7	20	-0.000084	± 2.5	PASS
		3.7	30	0.000944	± 2.5	PASS
		3.7	40	0.001113	± 2.5	PASS
		3.7	50	0.001180	± 2.5	PASS
16QAM	LCH	3.7	-30	0.000520	± 2.5	PASS
		3.7	-20	0.001230	± 2.5	PASS
		3.7	-10	0.001317	± 2.5	PASS
		3.7	0	0.000624	± 2.5	PASS
		3.7	10	-0.000363	± 2.5	PASS
		3.7	20	-0.000225	± 2.5	PASS
		3.7	30	-0.000278	± 2.5	PASS
		3.7	40	-0.000225	± 2.5	PASS
		3.7	50	-0.000746	± 2.5	PASS
	MCH	3.7	-30	0.001710	± 2.5	PASS
		3.7	-20	0.002189	± 2.5	PASS
		3.7	-10	0.001197	± 2.5	PASS
		3.7	0	0.000684	± 2.5	PASS
		3.7	10	0.000633	± 2.5	PASS
		3.7	20	-0.000308	± 2.5	PASS
		3.7	30	-0.000530	± 2.5	PASS
		3.7	40	-0.000239	± 2.5	PASS
		3.7	50	-0.000274	± 2.5	PASS
	HCH	3.7	-30	0.000101	± 2.5	PASS
		3.7	-20	-0.000017	± 2.5	PASS
		3.7	-10	-0.000709	± 2.5	PASS
		3.7	0	-0.000017	± 2.5	PASS
		3.7	10	-0.000304	± 2.5	PASS
		3.7	20	0.001568	± 2.5	PASS
		3.7	30	0.000877	± 2.5	PASS
		3.7	40	0.000590	± 2.5	PASS
		3.7	50	0.001467	± 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
1649.4	Polarization	Level (dBm)		
1649.4	Vertical	-38.42		
2474.1	V	-47.94		
-	V	-		
1649.4	Horizontal	-40.60		
2474.1	H	-48.15		
-	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
1673	Polarization	Level (dBm)		
1673	Vertical	-39.74		
2509.5	V	-49.98		
-	V	-		
1673	Horizontal	-40.42		
2509.5	H	-48.15		
-	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
1692.6	Polarization	Level (dBm)		
1692.6	Vertical	-40.26		
2538.9	V	-46.61		
-	V	-		
1692.6	Horizontal	-39.74		
2538.9	H	-47.52		
-	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)		
1649.4	Vertical	-40.21	-13.00	PASS
2474.1	V	-48.45		
-	V	-		
1649.4	Horizontal	-41.35		
2474.1	H	-46.57		
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)		
1673	Vertical	-40.95	-13.00	PASS
2509.5	V	-48.46		
-	V	-		
1673	Horizontal	-41.80		
2509.5	H	-48.77		
-	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)		
1692.6	Vertical	-39.58	-13.00	PASS
2538.9	V	-46.13		
-	V	-		
1692.6	Horizontal	-40.54		
2538.9	H	-49.22		
-	H	-		

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