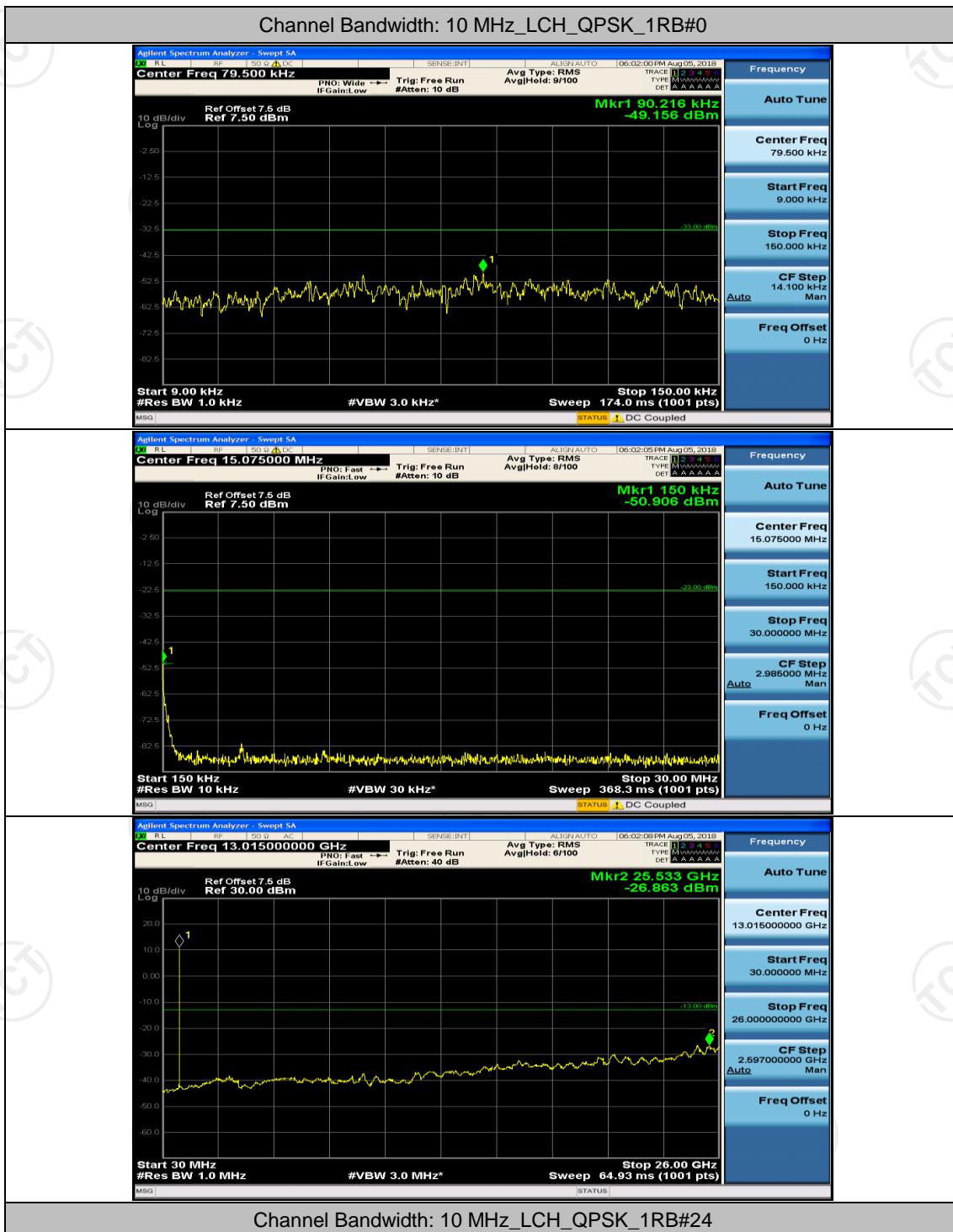
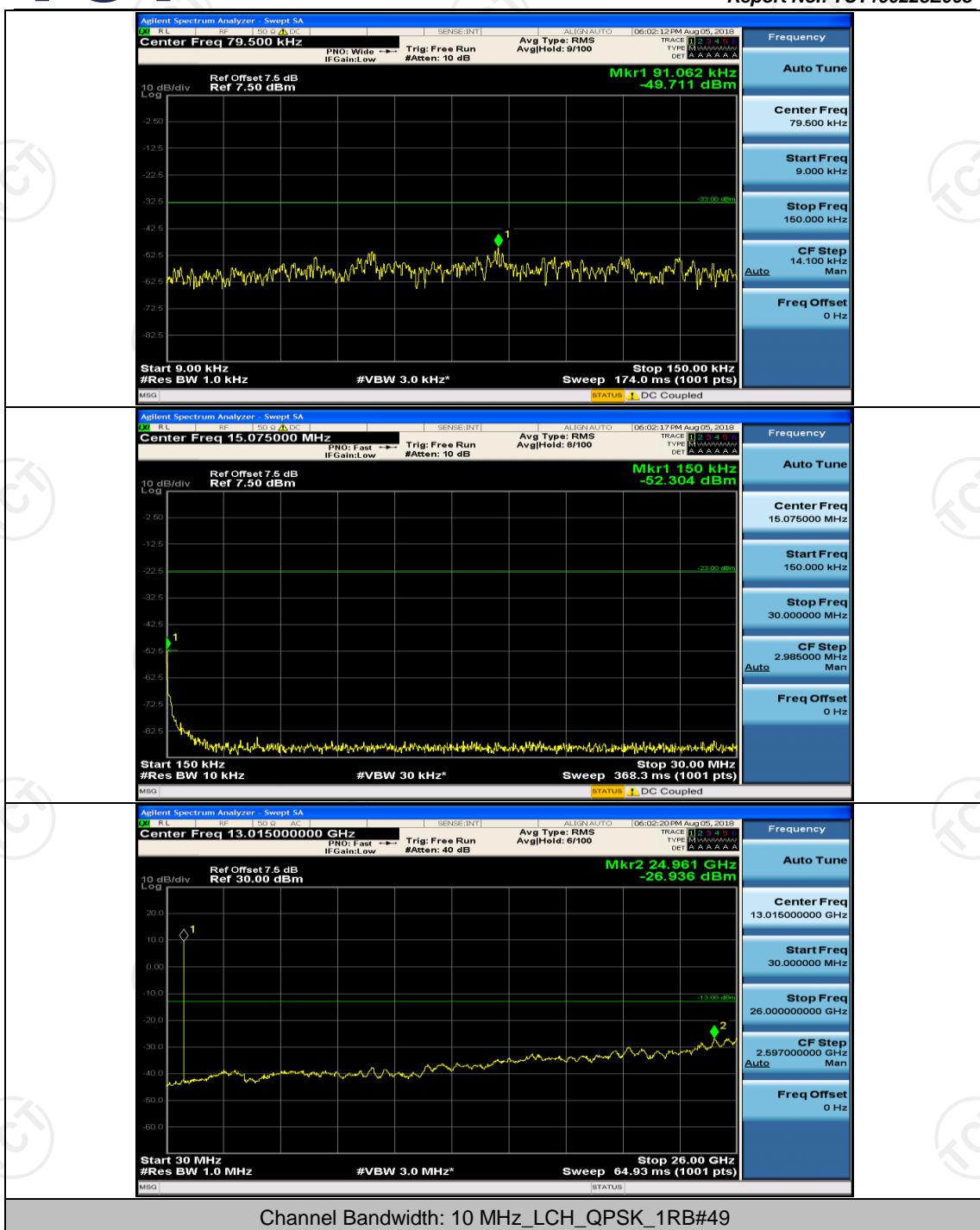
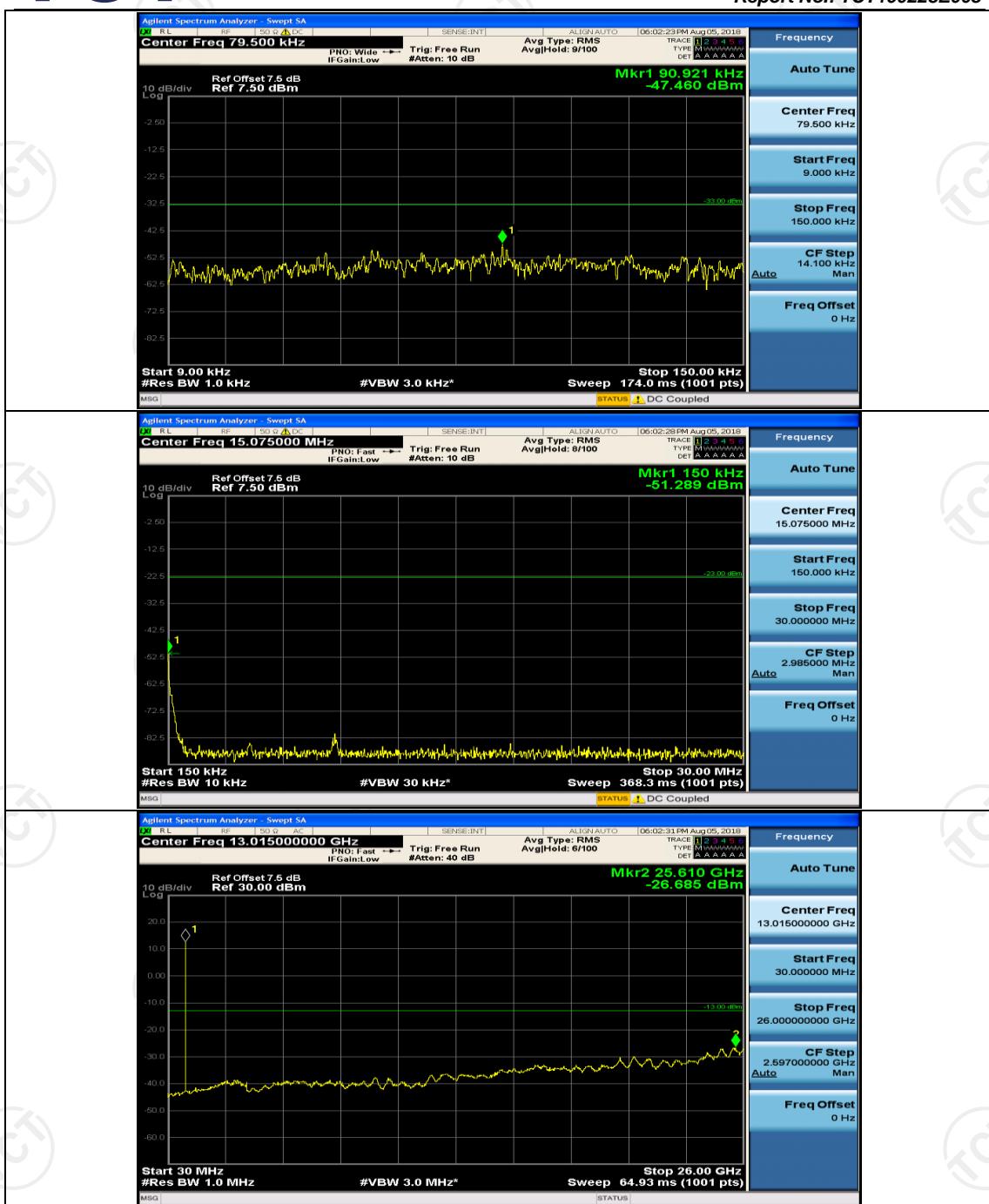
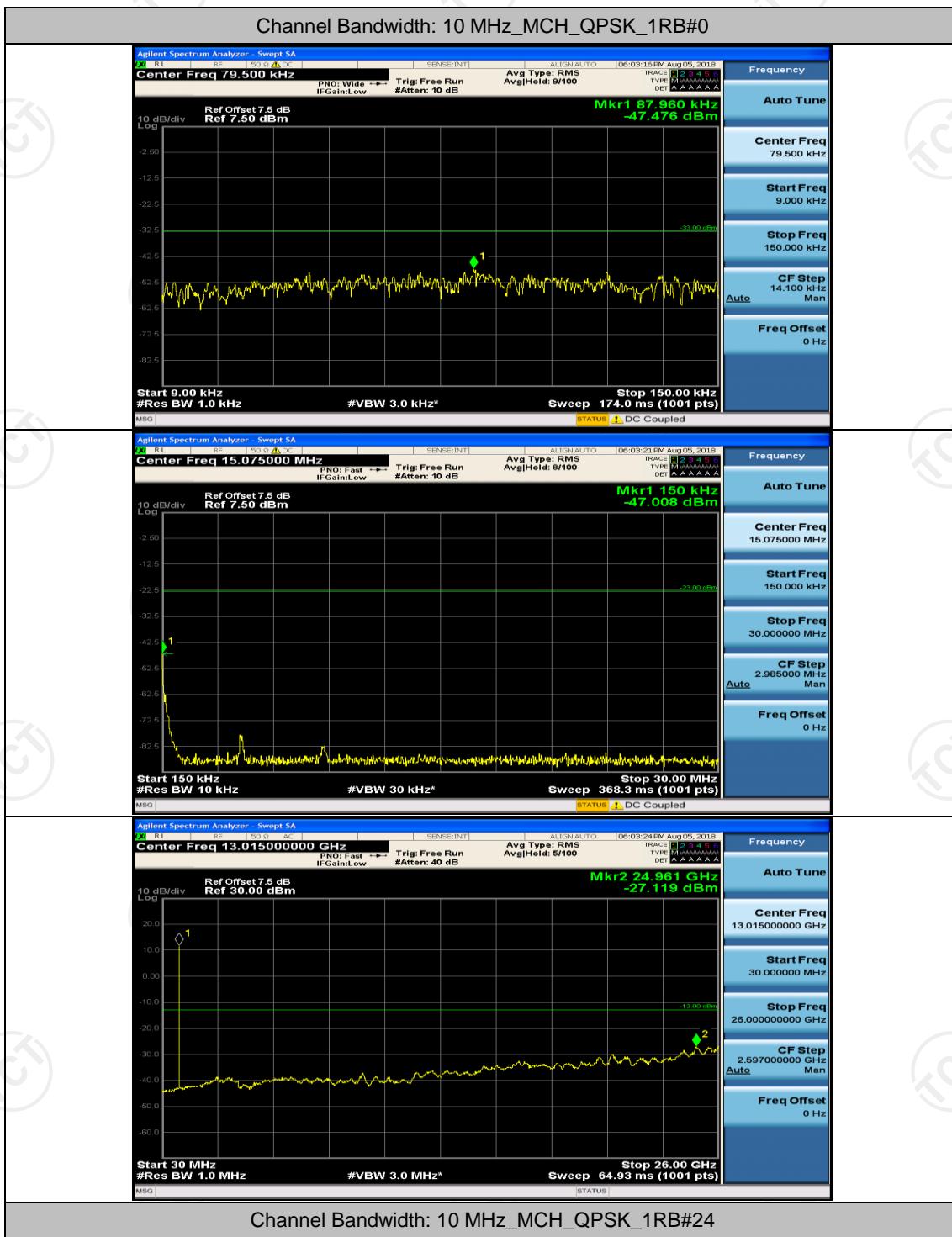


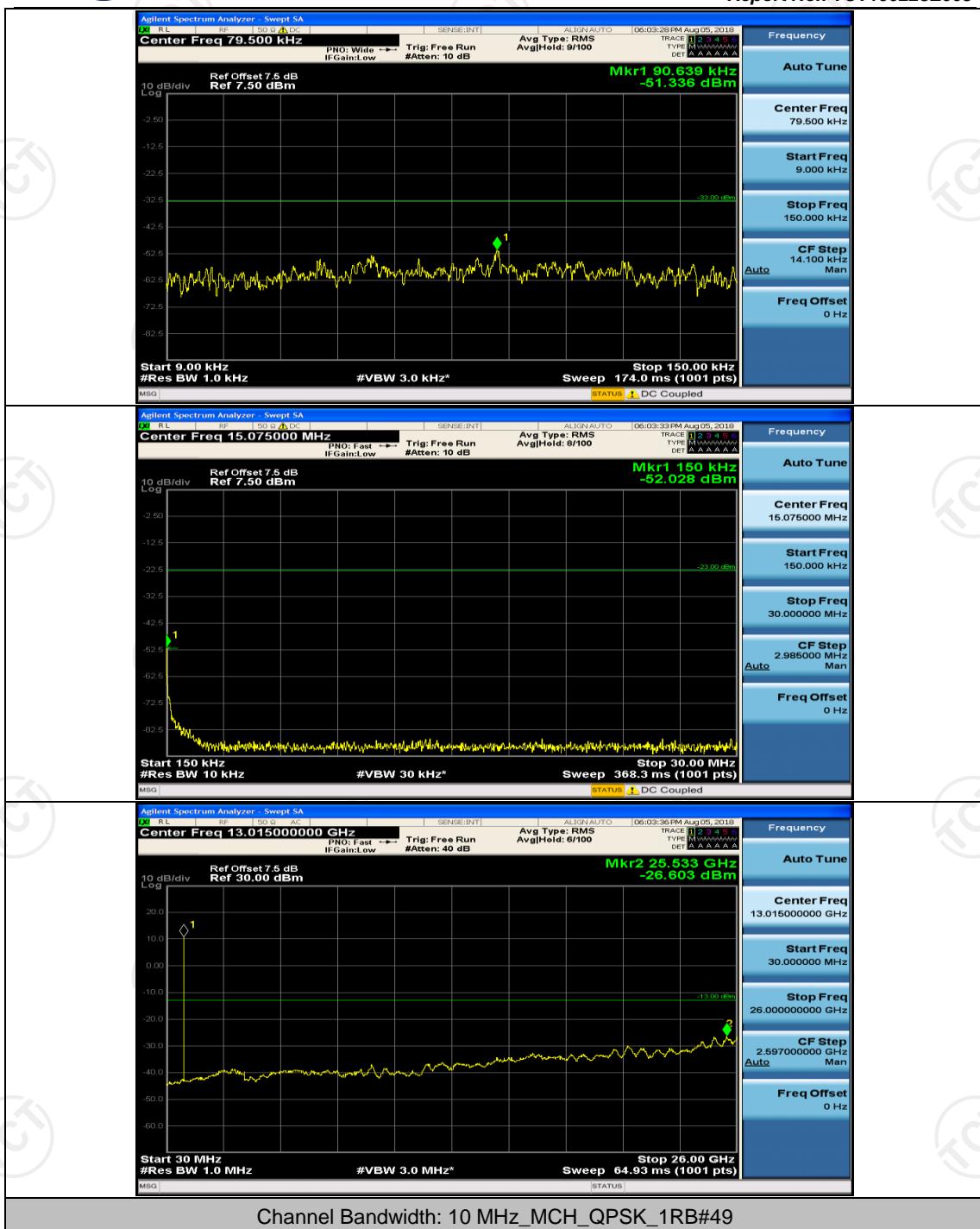
Channel Bandwidth: 10 MHz

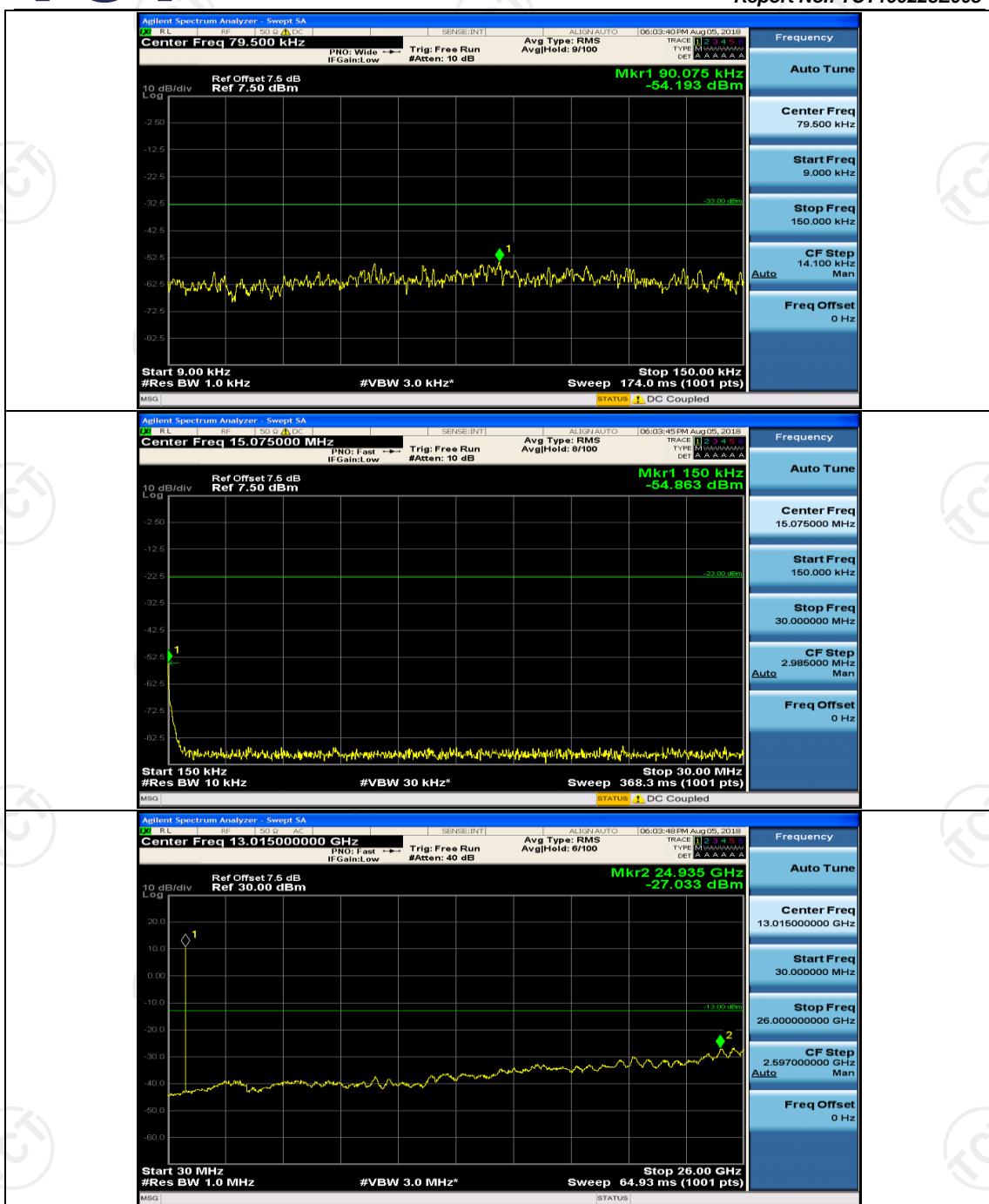


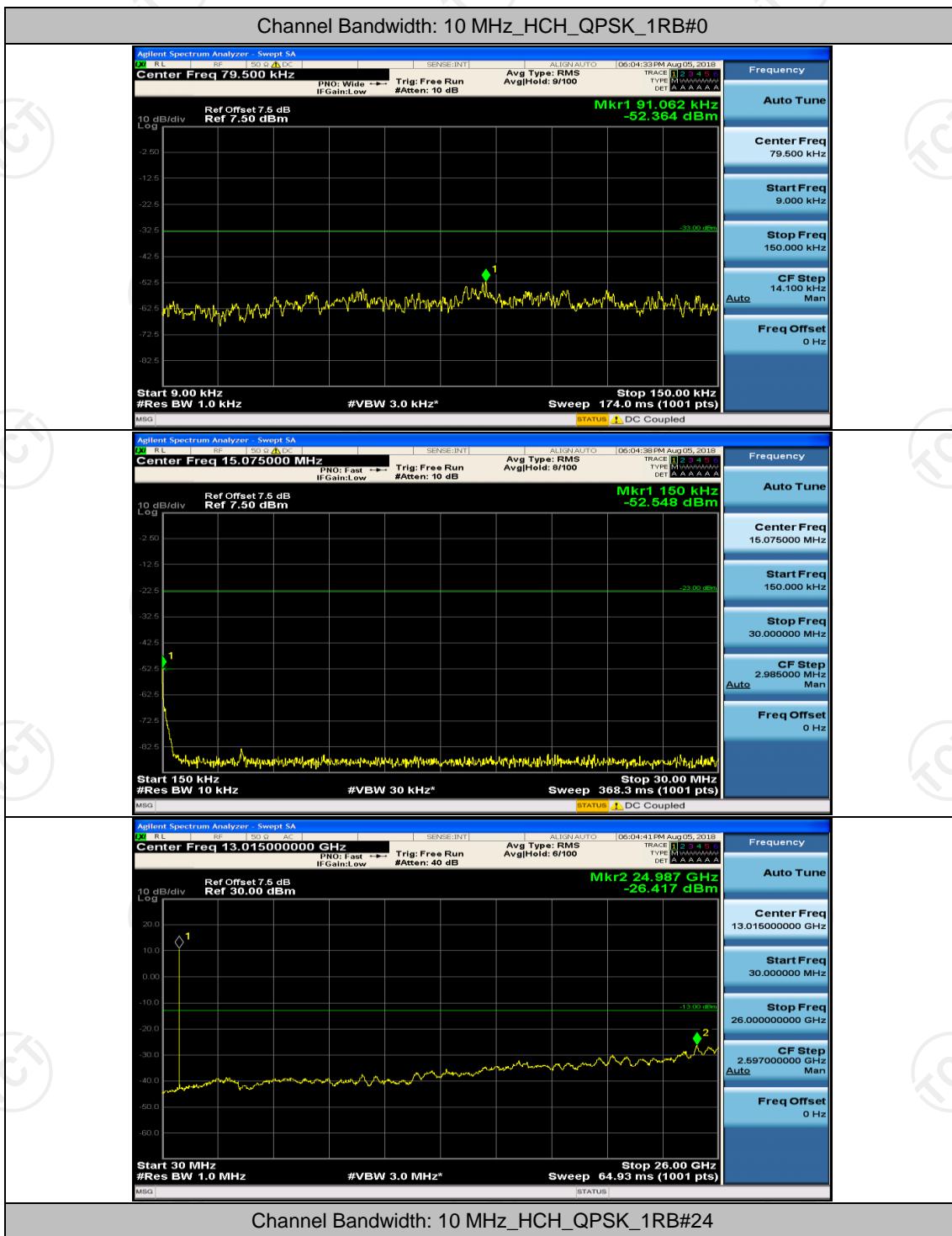


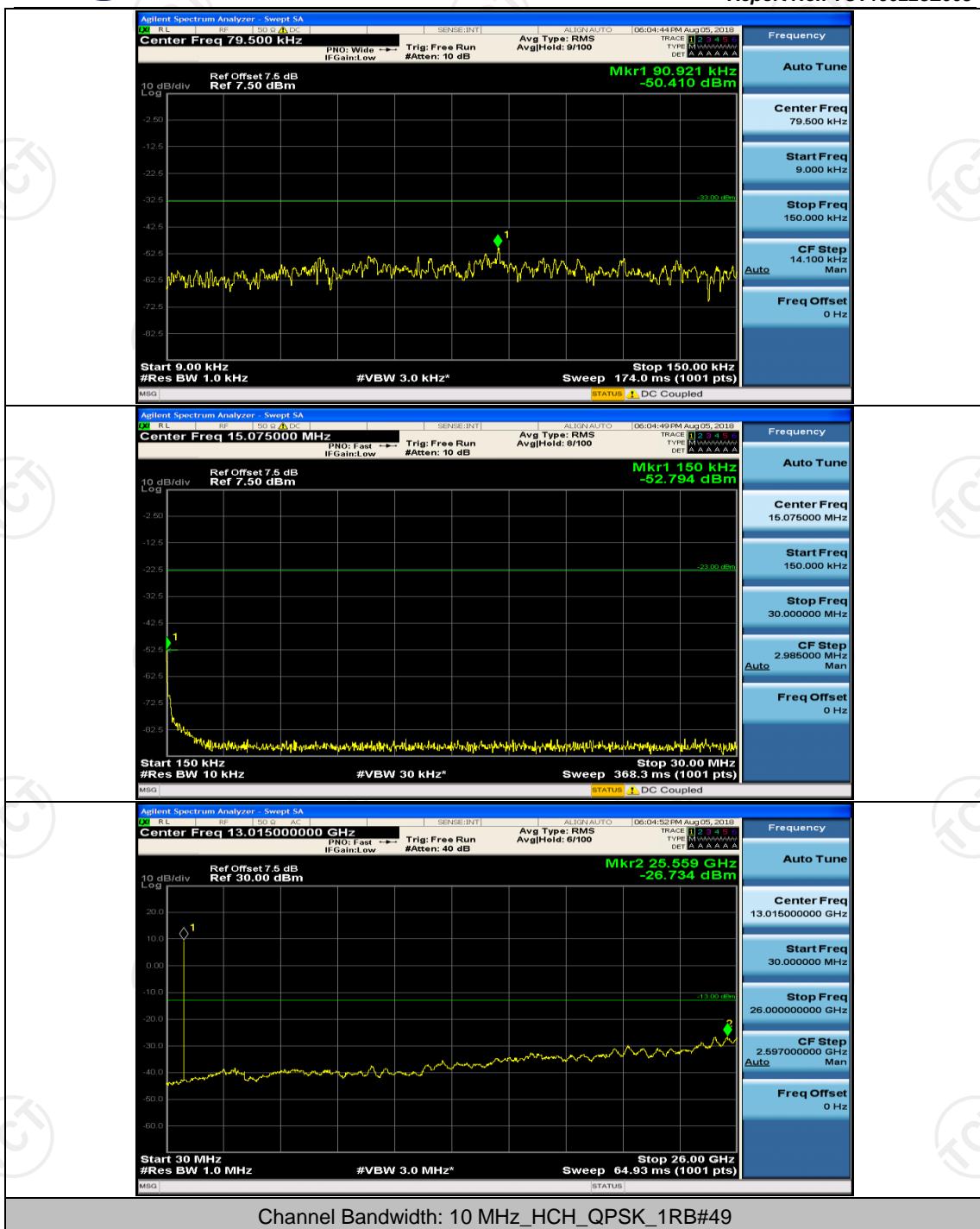


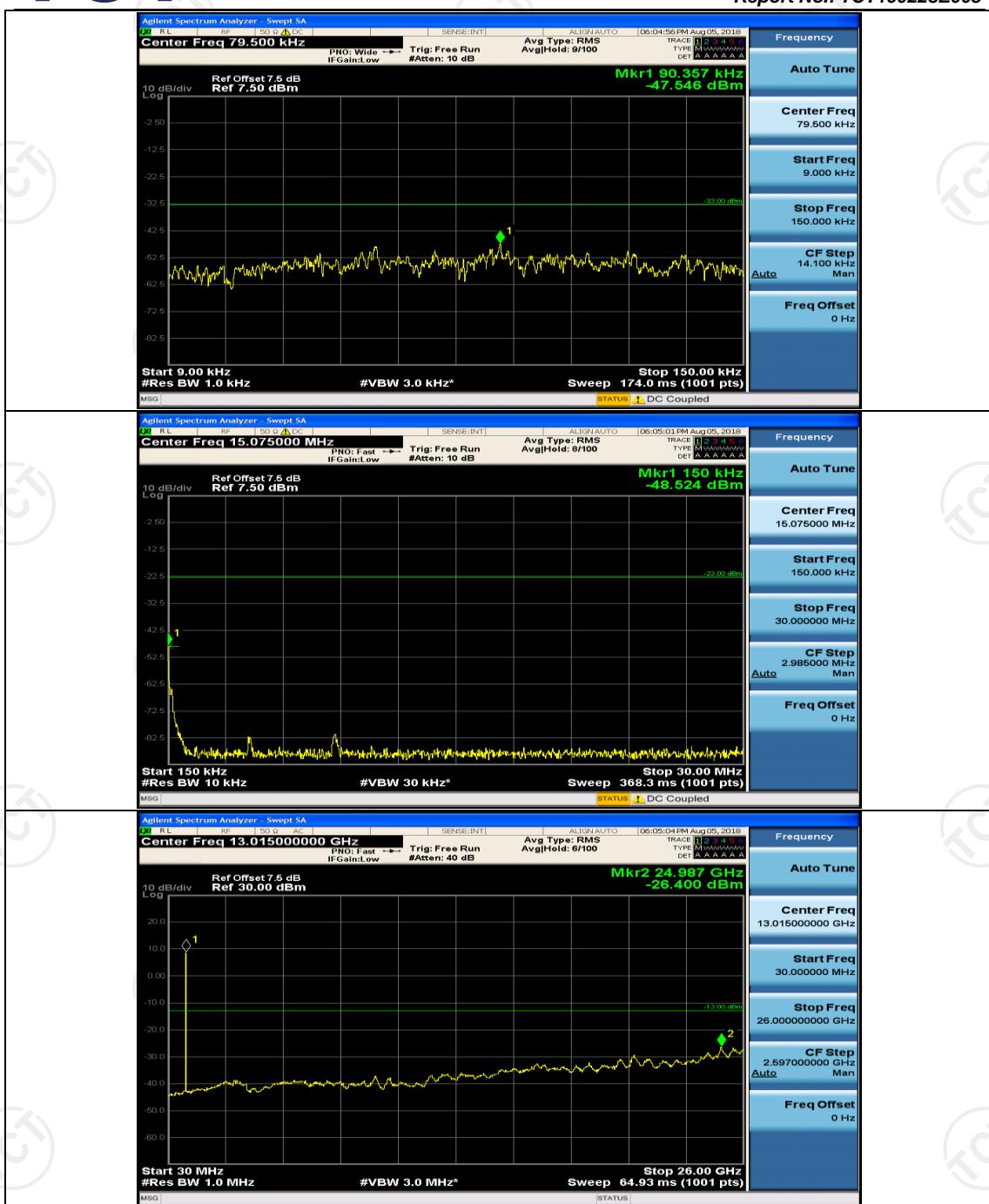


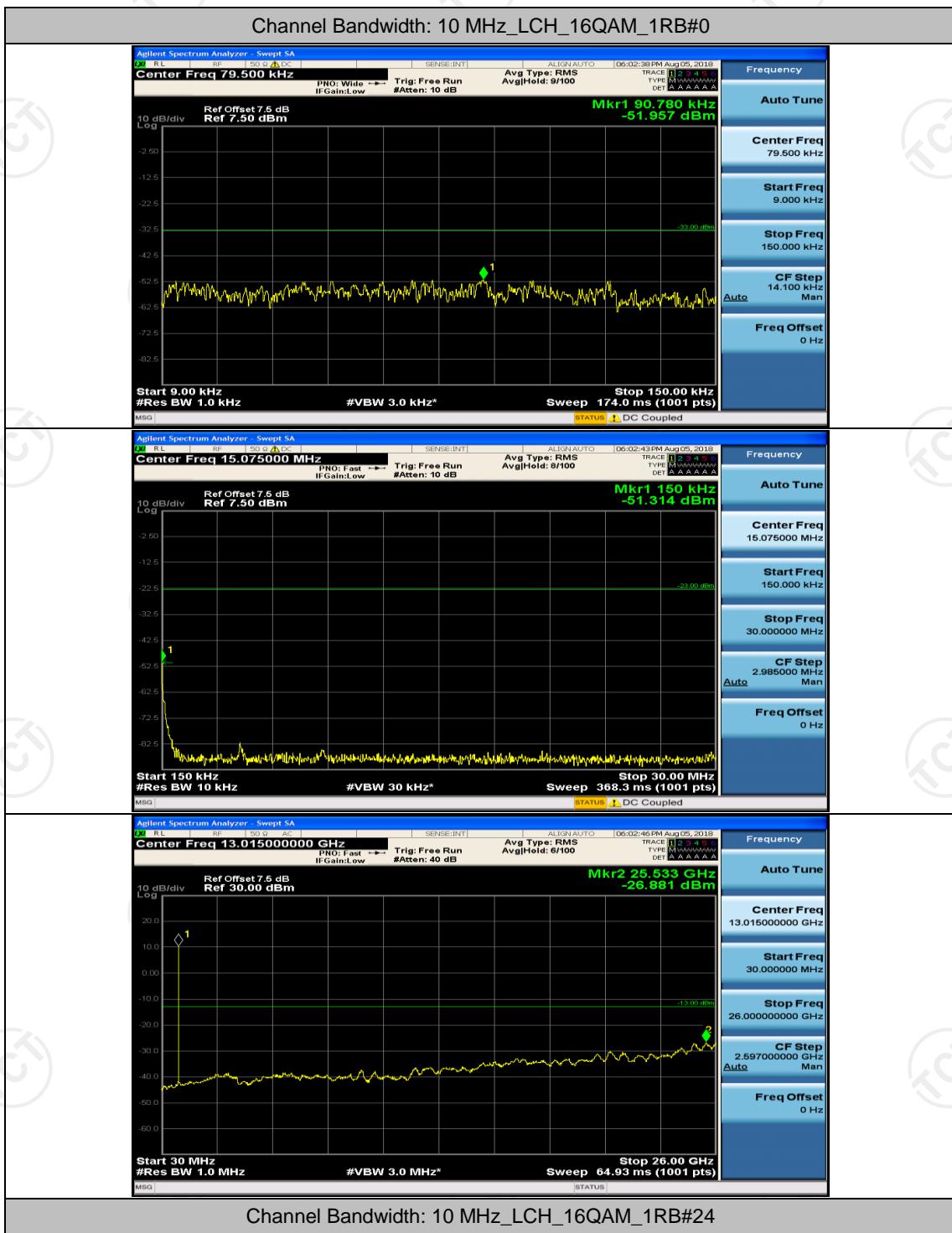


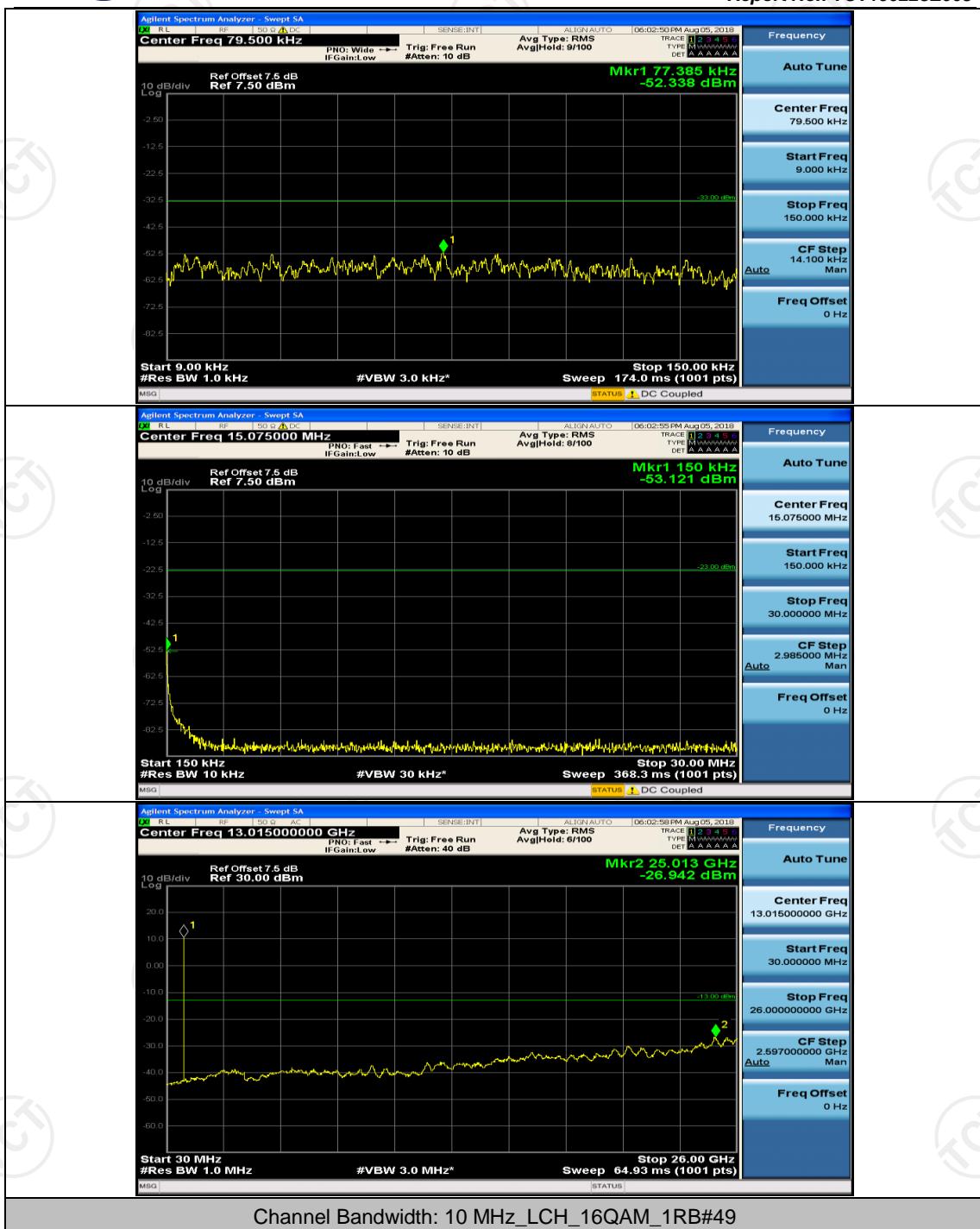


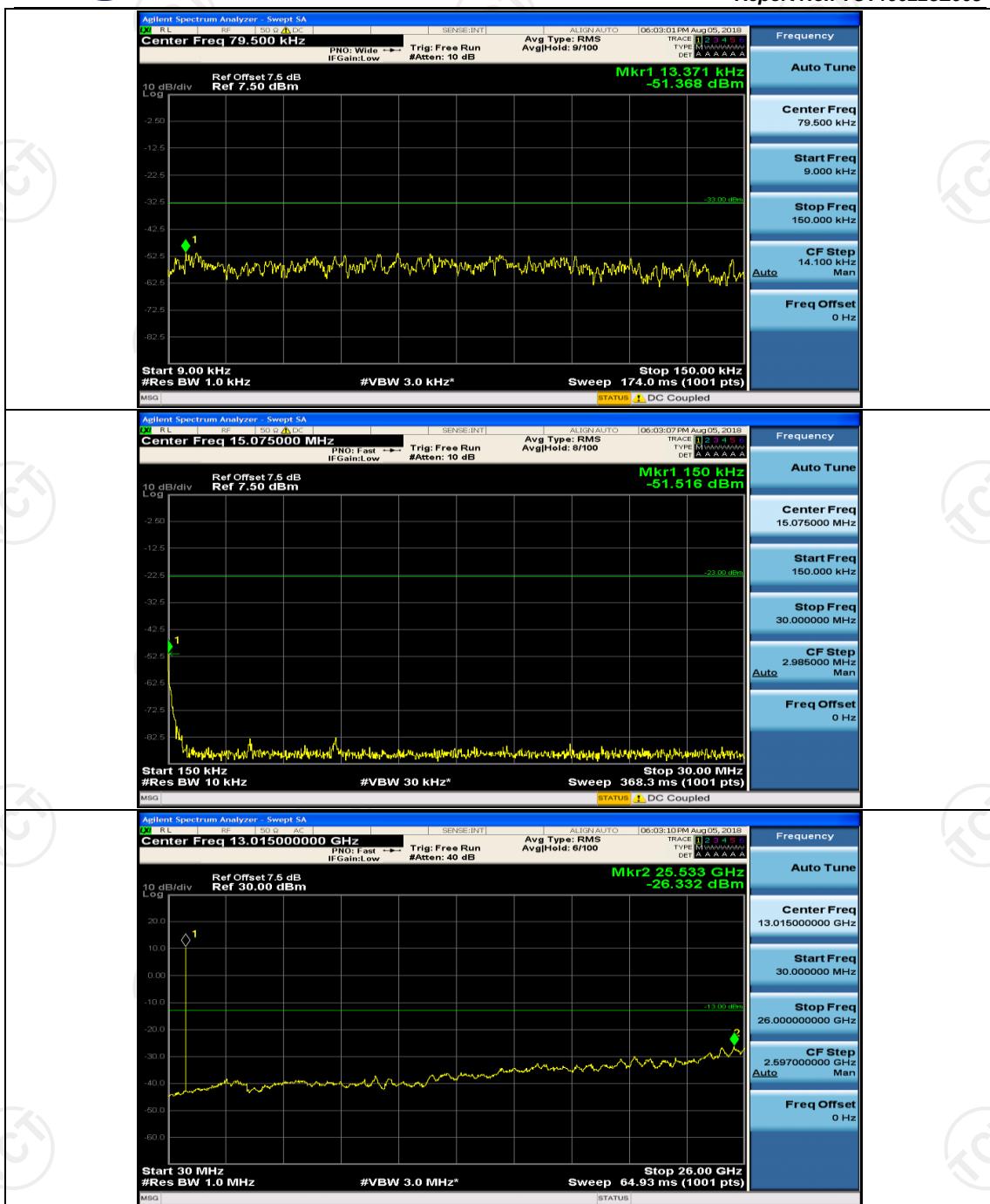


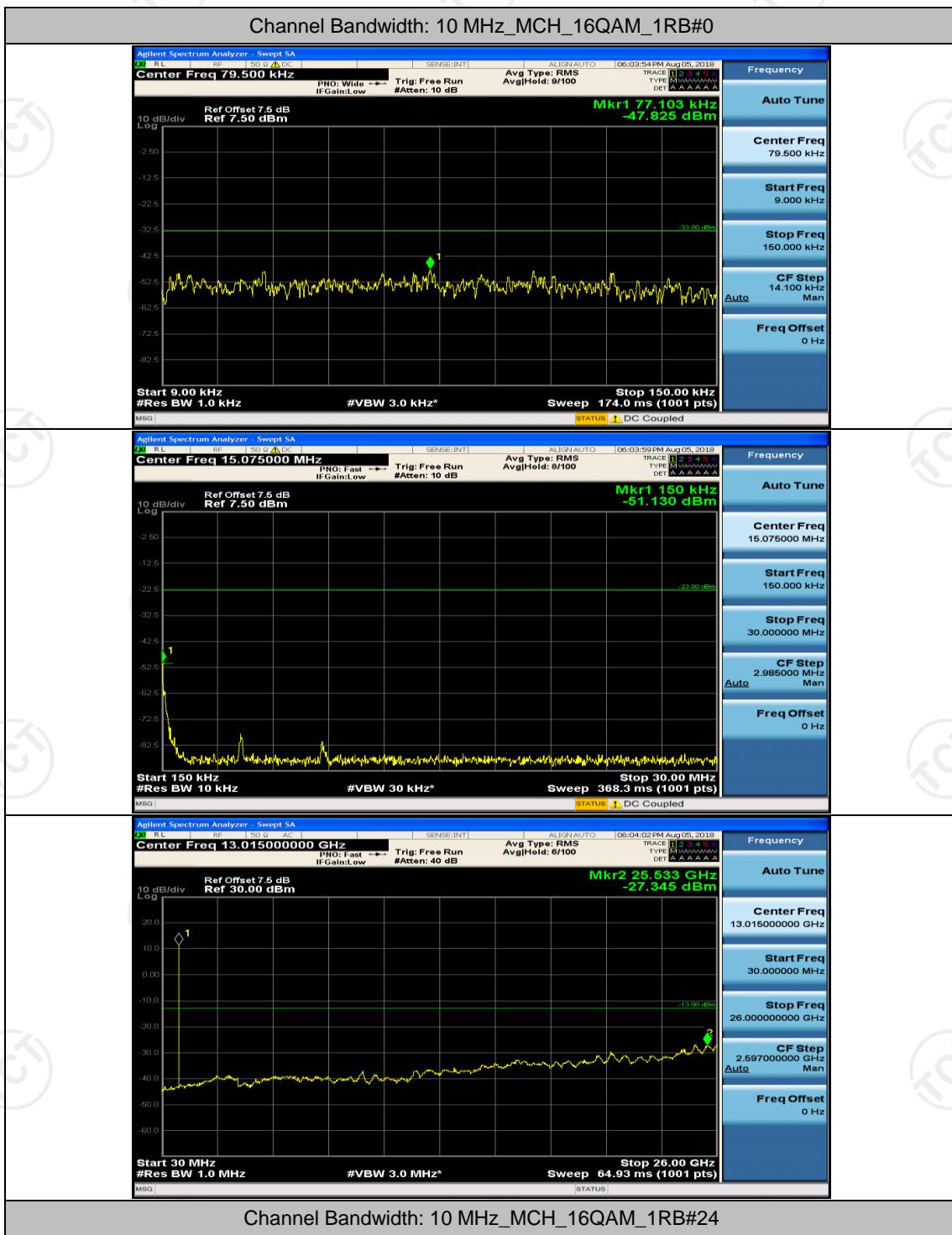


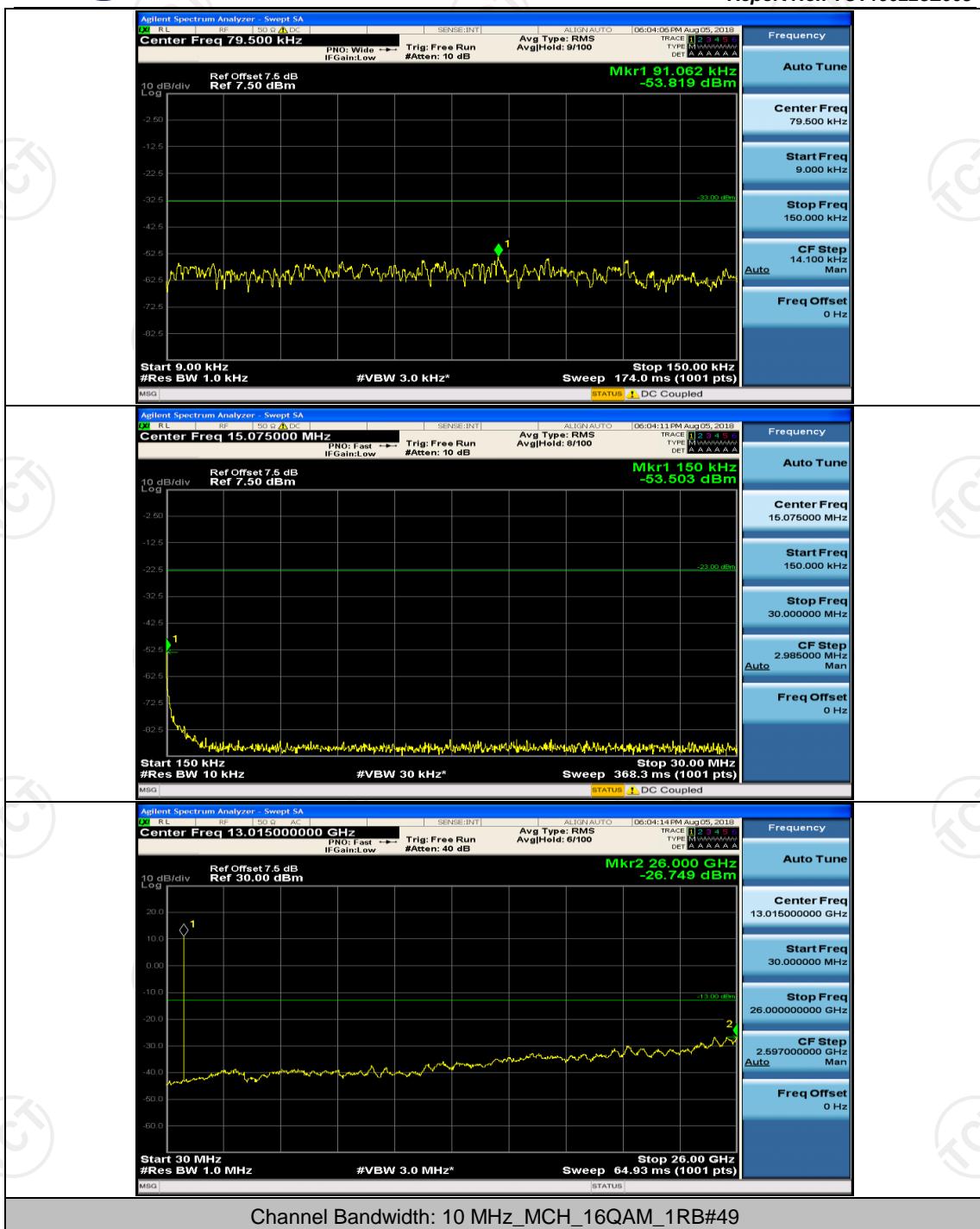


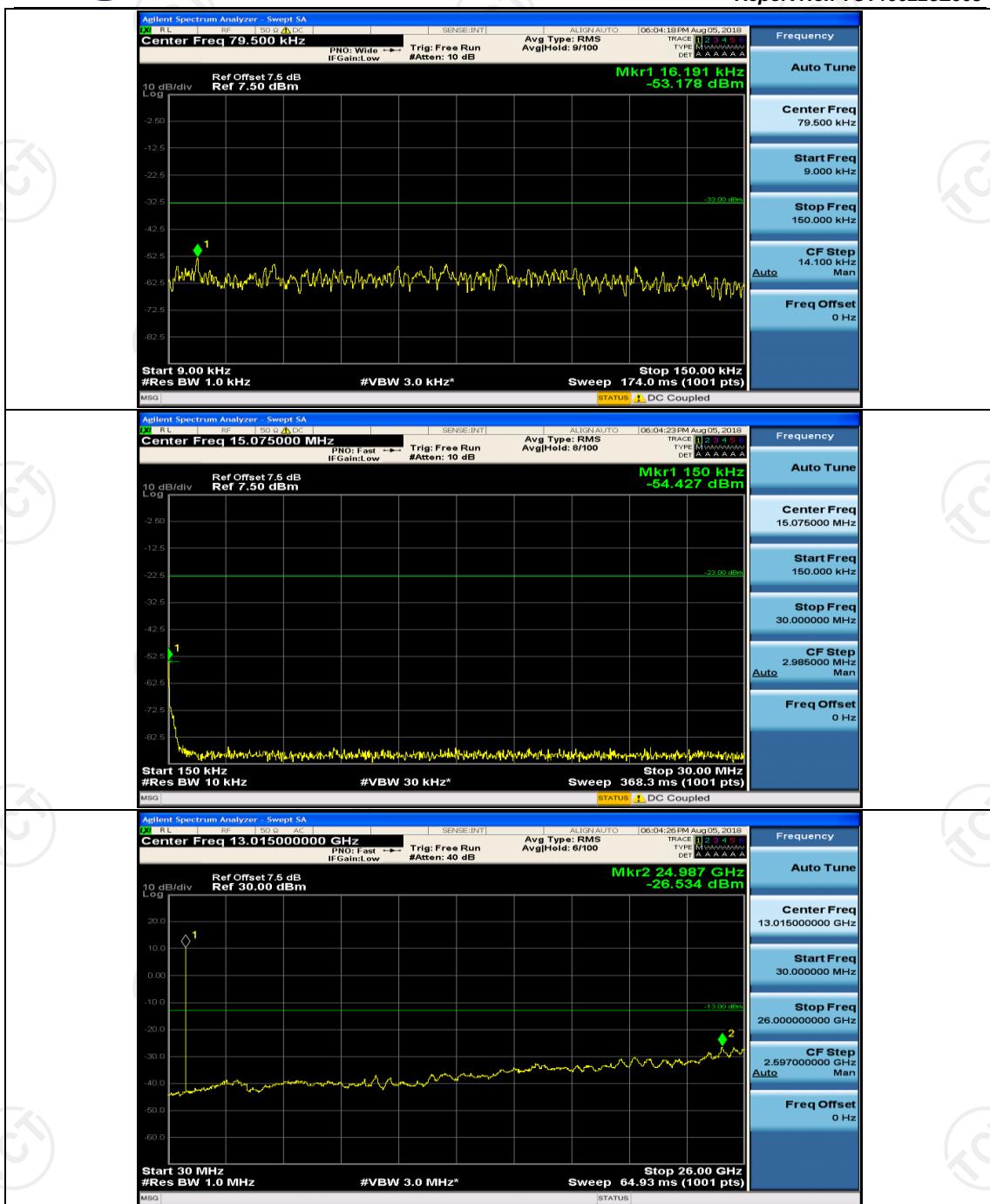


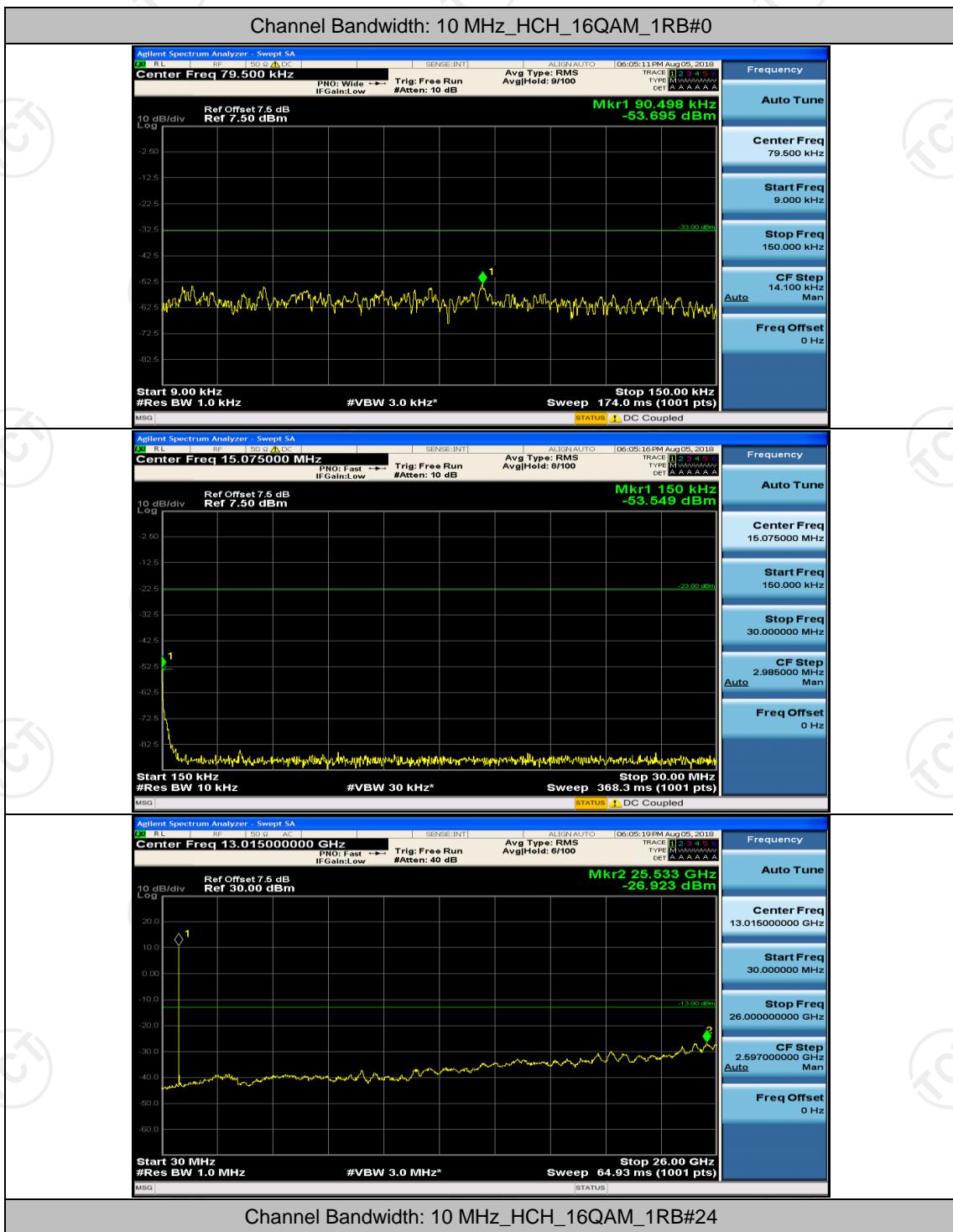


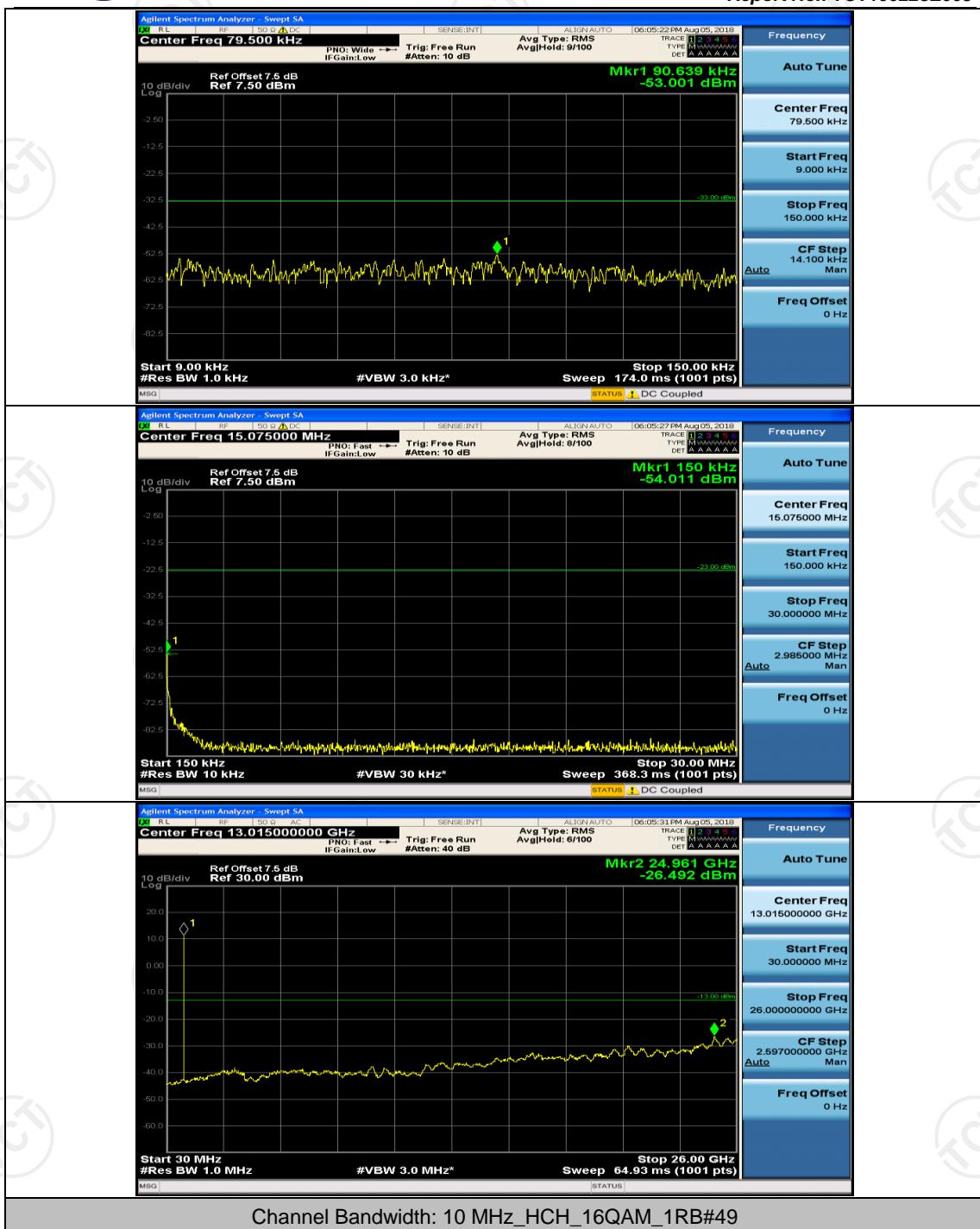


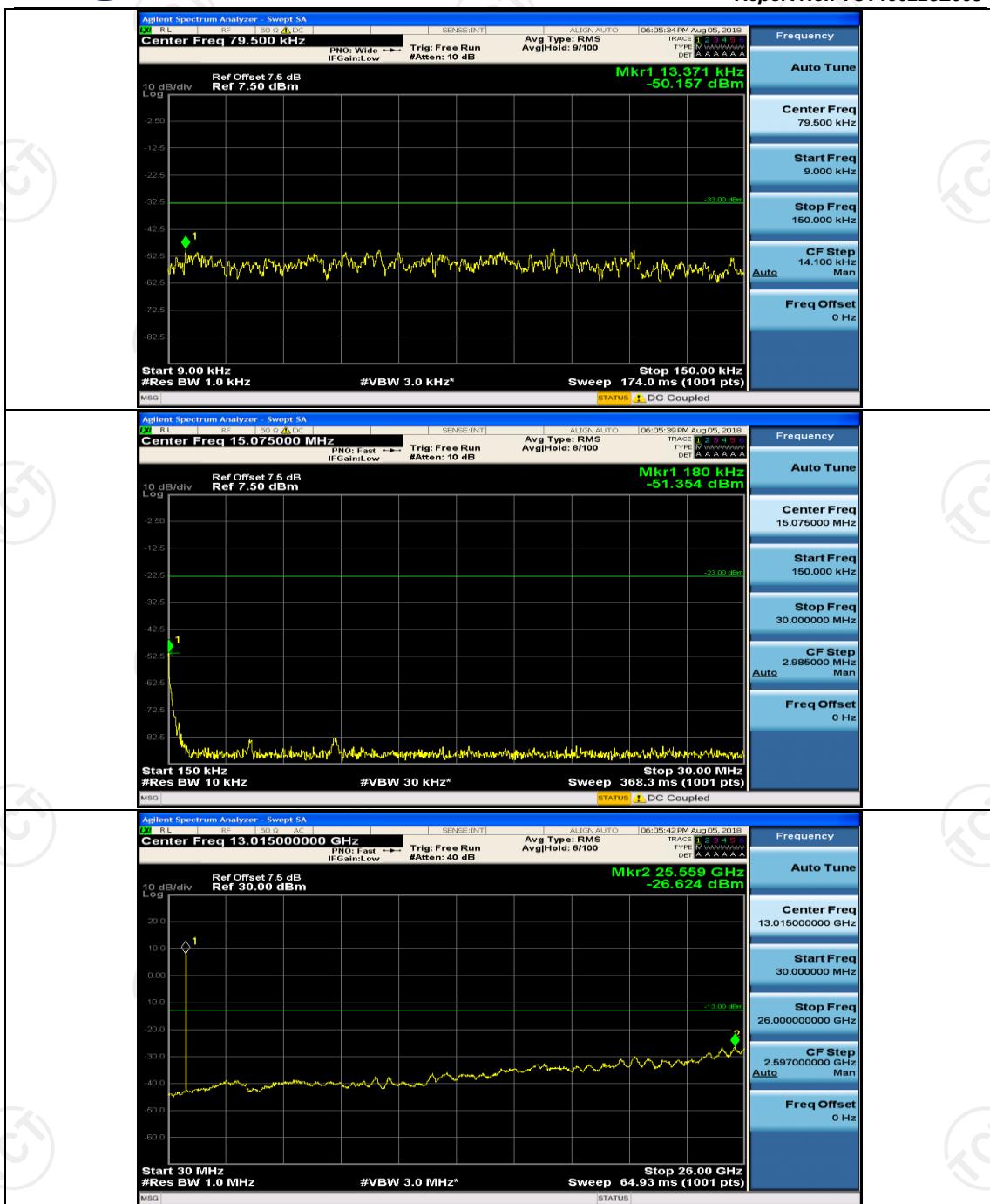












Appendix F: Frequency Stability

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	-0.000612	± 2.5	PASS
		24	25	-0.001747	± 2.5	PASS
		32	25	-0.001036	± 2.5	PASS
	MCH	10.5	25	-0.001692	± 2.5	PASS
		24	25	-0.002062	± 2.5	PASS
		32	25	0.000315	± 2.5	PASS
	HCH	10.5	25	0.000209	± 2.5	PASS
		24	25	0.000105	± 2.5	PASS
		32	25	0.000012	± 2.5	PASS
16QAM	LCH	10.5	25	-0.002720	± 2.5	PASS
		24	25	-0.000116	± 2.5	PASS
		32	25	-0.002063	± 2.5	PASS
	MCH	10.5	25	-0.002584	± 2.5	PASS
		24	25	-0.001225	± 2.5	PASS
		32	25	-0.002532	± 2.5	PASS
	HCH	10.5	25	-0.000278	± 2.5	PASS
		24	25	-0.000300	± 2.5	PASS
		32	25	-0.000491	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	24	-30	-0.001054	± 2.5	PASS
		24	-20	-0.001405	± 2.5	PASS
		24	-10	-0.000917	± 2.5	PASS
		24	0	-0.001784	± 2.5	PASS
		24	10	-0.001692	± 2.5	PASS
		24	20	-0.001445	± 2.5	PASS
		24	30	-0.000912	± 2.5	PASS
		24	40	-0.001793	± 2.5	PASS
		24	50	-0.001129	± 2.5	PASS
	MCH	24	-30	-0.001135	± 2.5	PASS
		24	-20	-0.001147	± 2.5	PASS
		24	-10	-0.001979	± 2.5	PASS
		24	0	-0.001497	± 2.5	PASS
		24	10	-0.002331	± 2.5	PASS
		24	20	-0.001674	± 2.5	PASS
		24	30	-0.001841	± 2.5	PASS
		24	40	-0.002473	± 2.5	PASS

		24	50	-0.002701	± 2.5	PASS
HCH		24	-30	-0.000158	± 2.5	PASS
		24	-20	-0.000092	± 2.5	PASS
		24	-10	-0.000167	± 2.5	PASS
		24	0	0.000181	± 2.5	PASS
		24	10	0.000436	± 2.5	PASS
		24	20	0.000120	± 2.5	PASS
		24	30	-0.000877	± 2.5	PASS
		24	40	0.000172	± 2.5	PASS
		24	50	-0.000509	± 2.5	PASS
LCH		24	-30	-0.003092	± 2.5	PASS
		24	-20	-0.002000	± 2.5	PASS
		24	-10	-0.001854	± 2.5	PASS
		24	0	-0.002355	± 2.5	PASS
		24	10	-0.002349	± 2.5	PASS
		24	20	-0.000935	± 2.5	PASS
		24	30	-0.001345	± 2.5	PASS
		24	40	-0.000247	± 2.5	PASS
		24	50	-0.000271	± 2.5	PASS
MCH		24	-30	-0.000935	± 2.5	PASS
		24	-20	-0.001655	± 2.5	PASS
		24	-10	-0.002543	± 2.5	PASS
		24	0	-0.001981	± 2.5	PASS
		24	10	-0.002562	± 2.5	PASS
		24	20	-0.002047	± 2.5	PASS
		24	30	-0.002351	± 2.5	PASS
		24	40	-0.001606	± 2.5	PASS
		24	50	-0.000974	± 2.5	PASS
HCH		24	-30	-0.000321	± 2.5	PASS
		24	-20	-0.000299	± 2.5	PASS
		24	-10	-0.000626	± 2.5	PASS
		24	0	-0.000337	± 2.5	PASS
		24	10	-0.000541	± 2.5	PASS
		24	20	-0.000390	± 2.5	PASS
		24	30	-0.000532	± 2.5	PASS
		24	40	-0.000959	± 2.5	PASS
		24	50	0.000030	± 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)		
1649.4	Vertical	-33.78	-13.00	PASS
2474.1	V	-45.97		
-	V	-		
1649.4	Horizontal	-35.61		
2474.1	H	-44.83		
-	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)		
1673	Vertical	-34.73		PASS
2509.5	V	-43.64		
-	V	-		
1673	Horizontal	-34.42		
2509.5	H	-45.47		
-	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)		
1692.6	Vertical	-34.68		PASS
2538.9	V	-45.11		
-	V	-		
1692.6	Horizontal	-33.70		
2538.9	H	-44.47		
-	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	-35.27	-13.00	PASS
2474.1	V	-43.54		
-	V	-		
1649.4	Horizontal	-36.45		
2474.1	H	-44.39		
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	-36.95	-13.00	PASS
2509.5	V	-44.46		
-	V	-		
1673	Horizontal	-33.87		
2509.5	H	-45.46		
-	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	-34.57	-13.00	PASS
2538.9	V	-45.15		
-	V	-		
1692.6	Horizontal	-35.50		
2538.9	H	-46.98		
-	H	-		

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