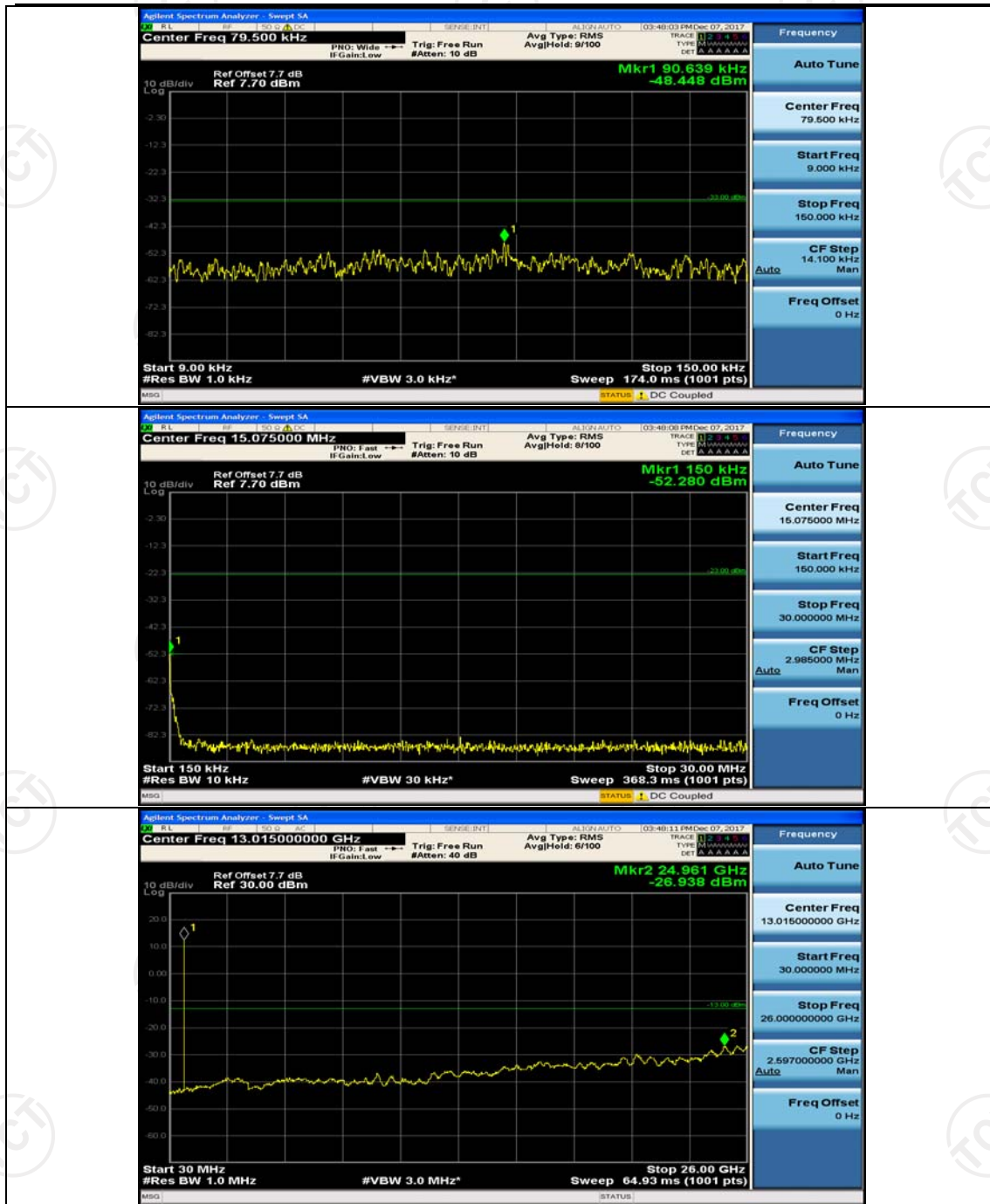
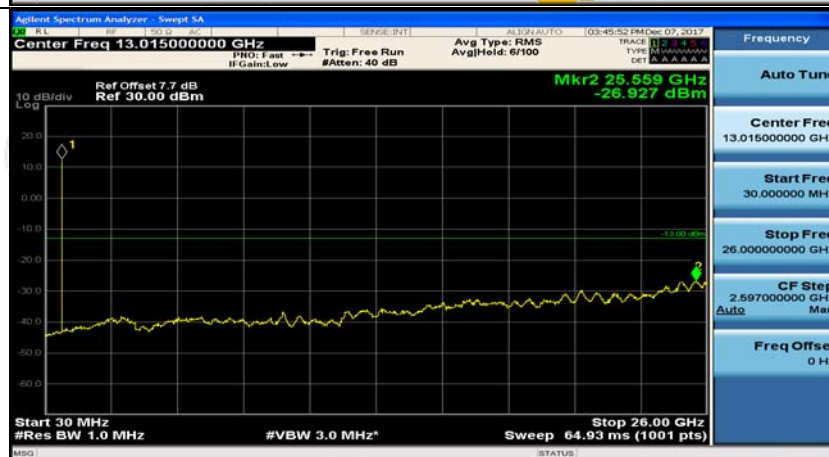
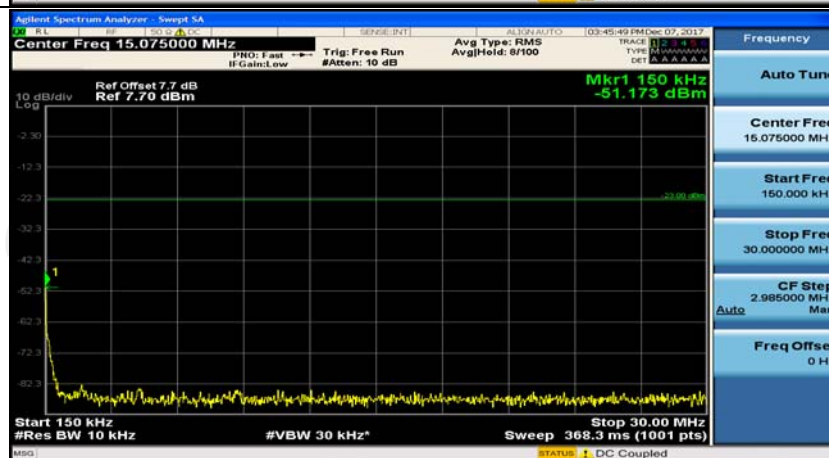
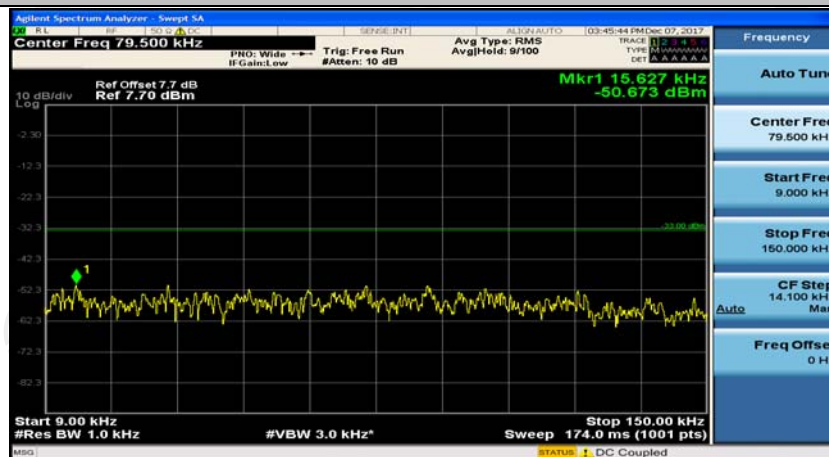
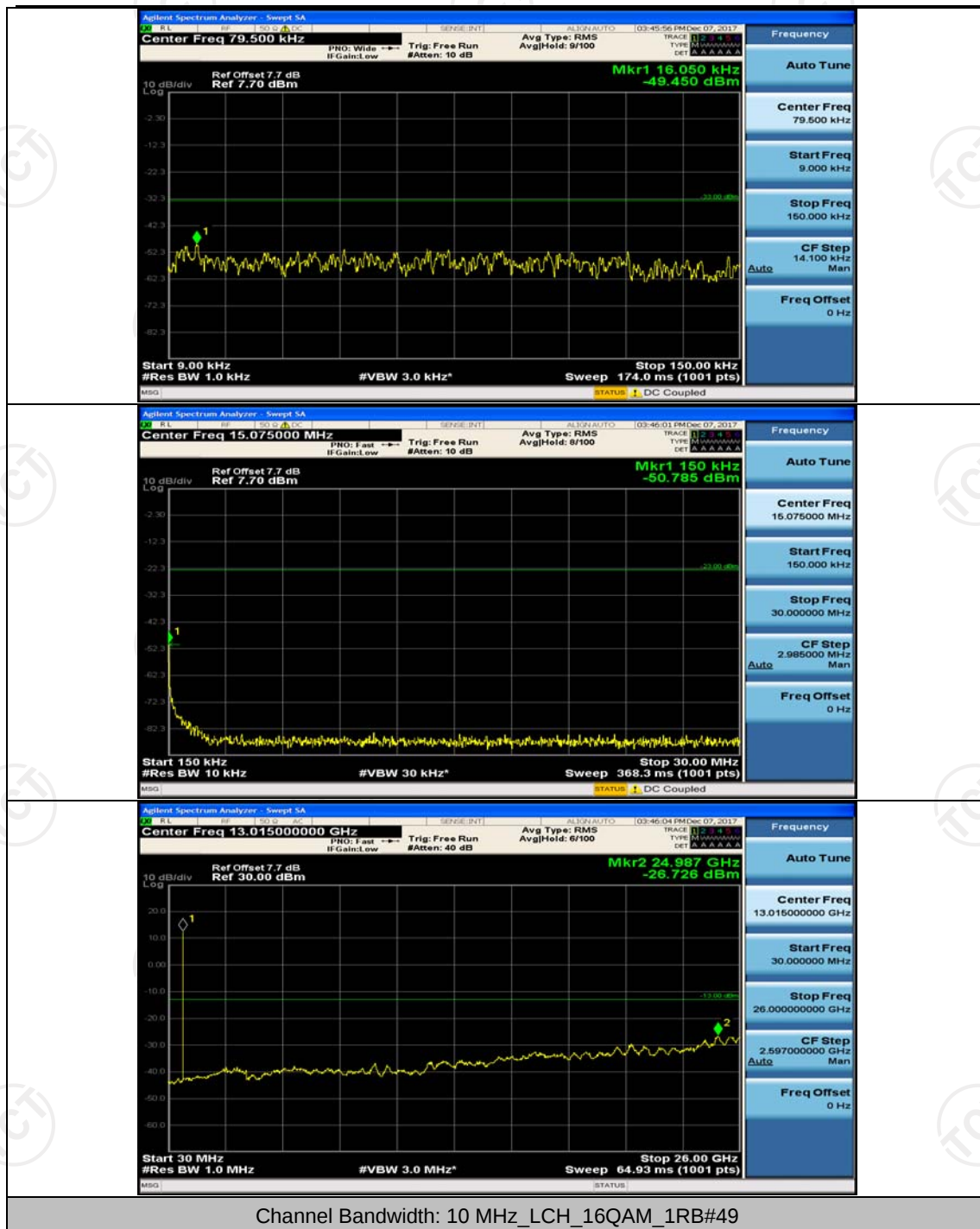


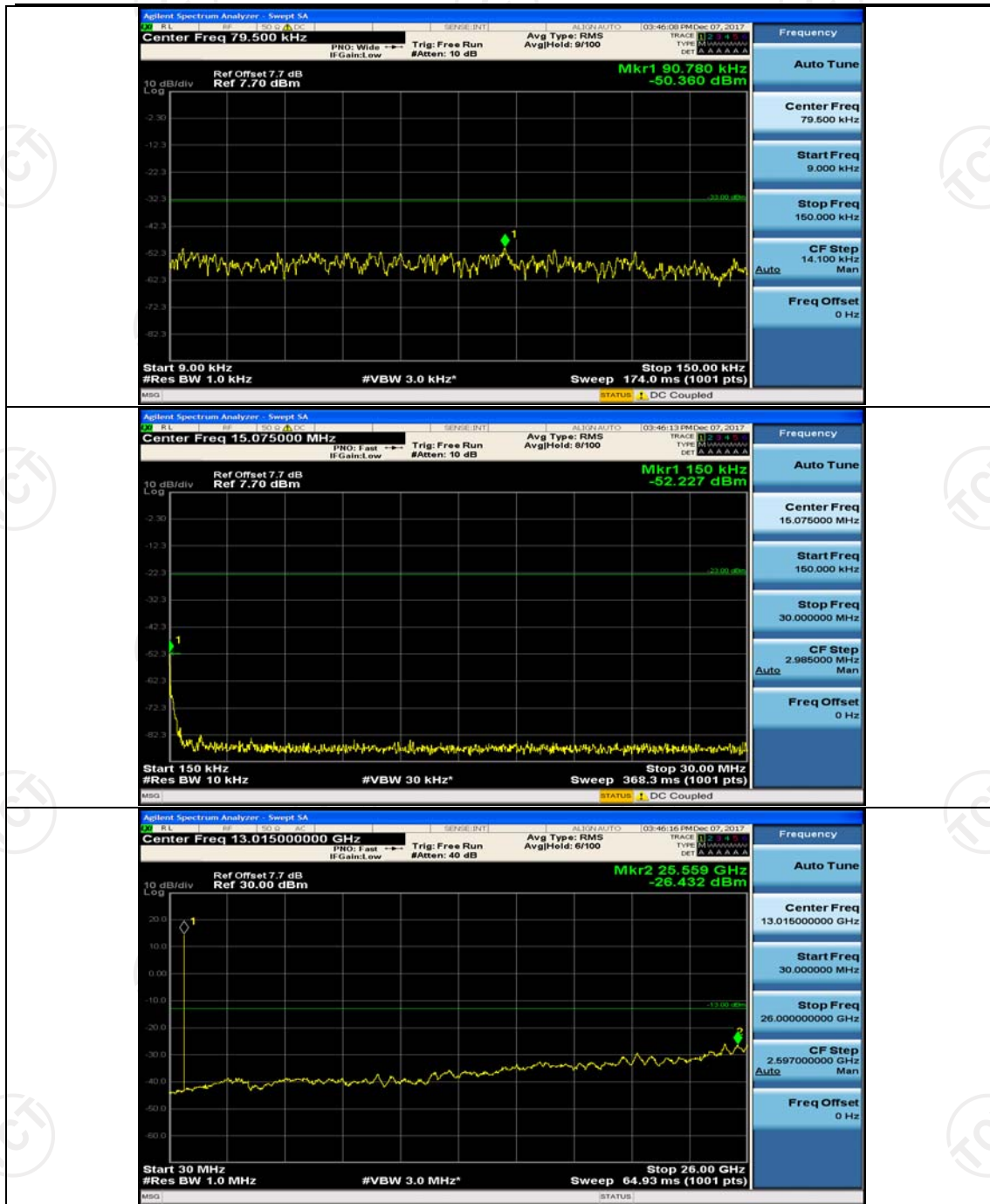


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

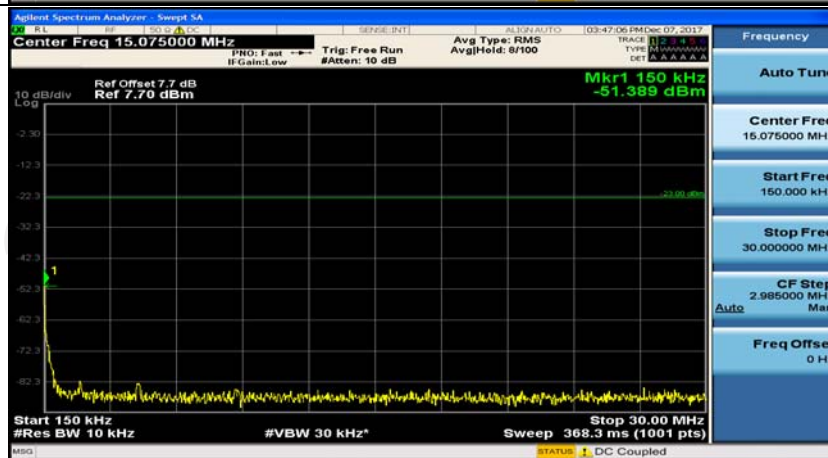
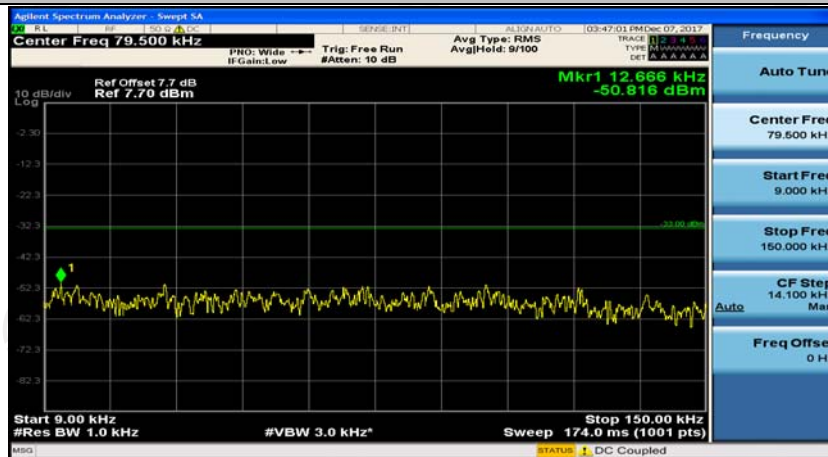


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

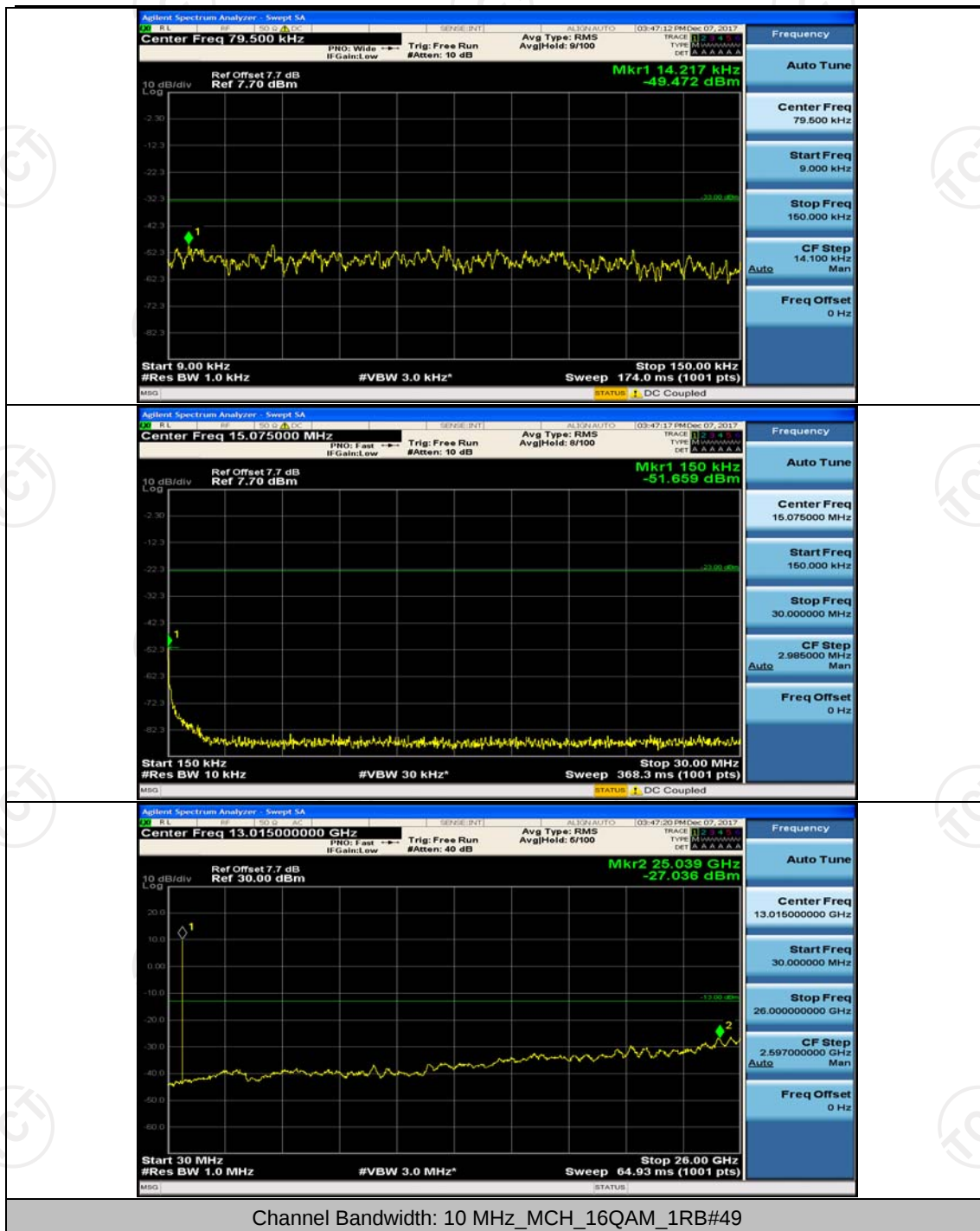


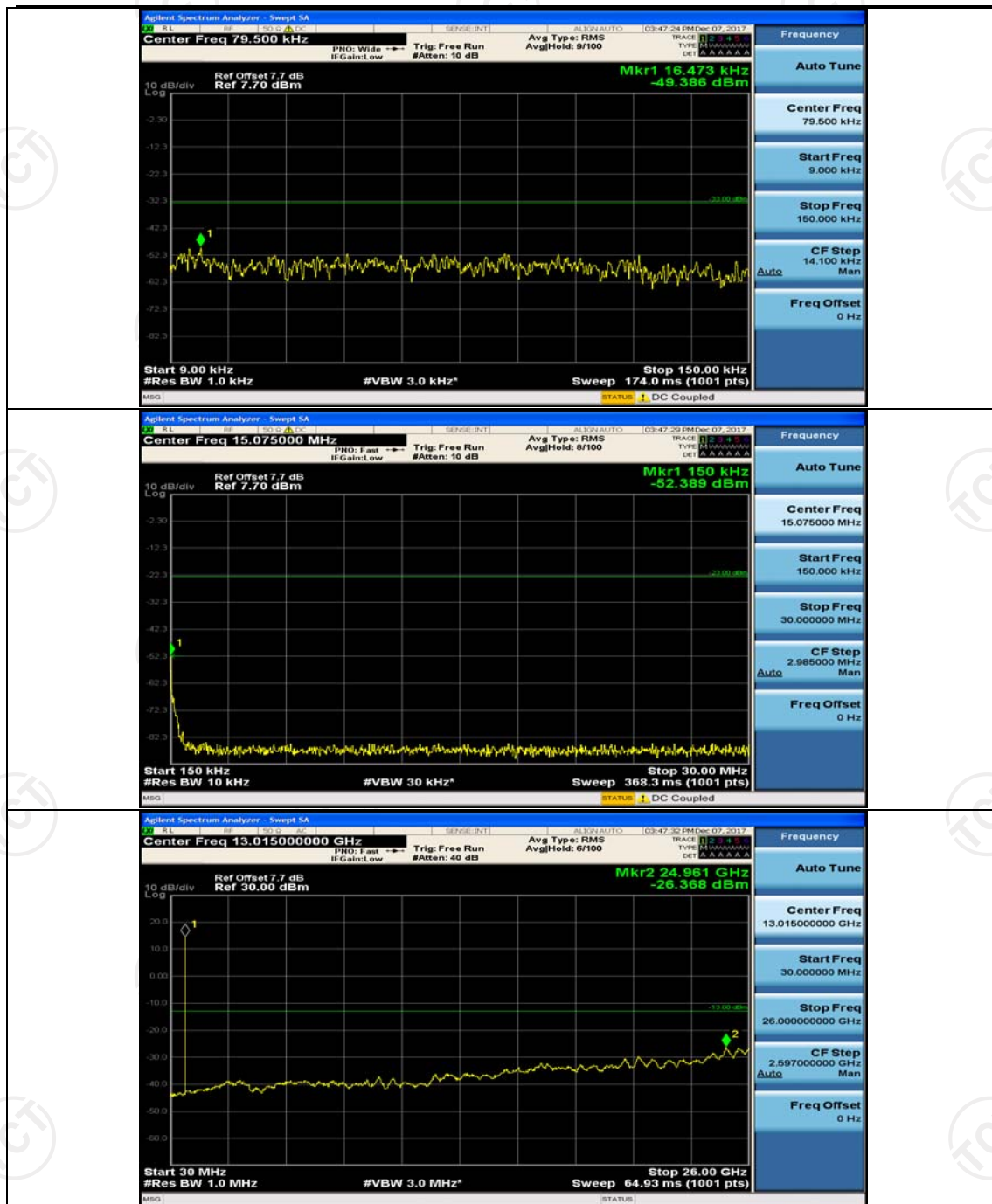


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

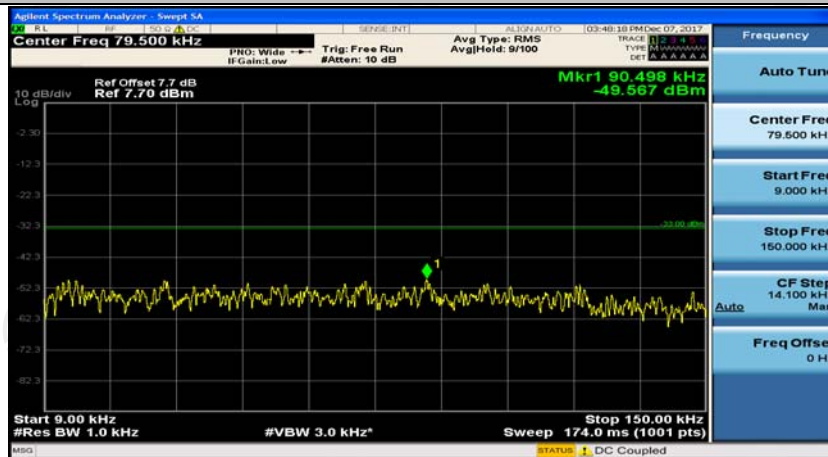


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

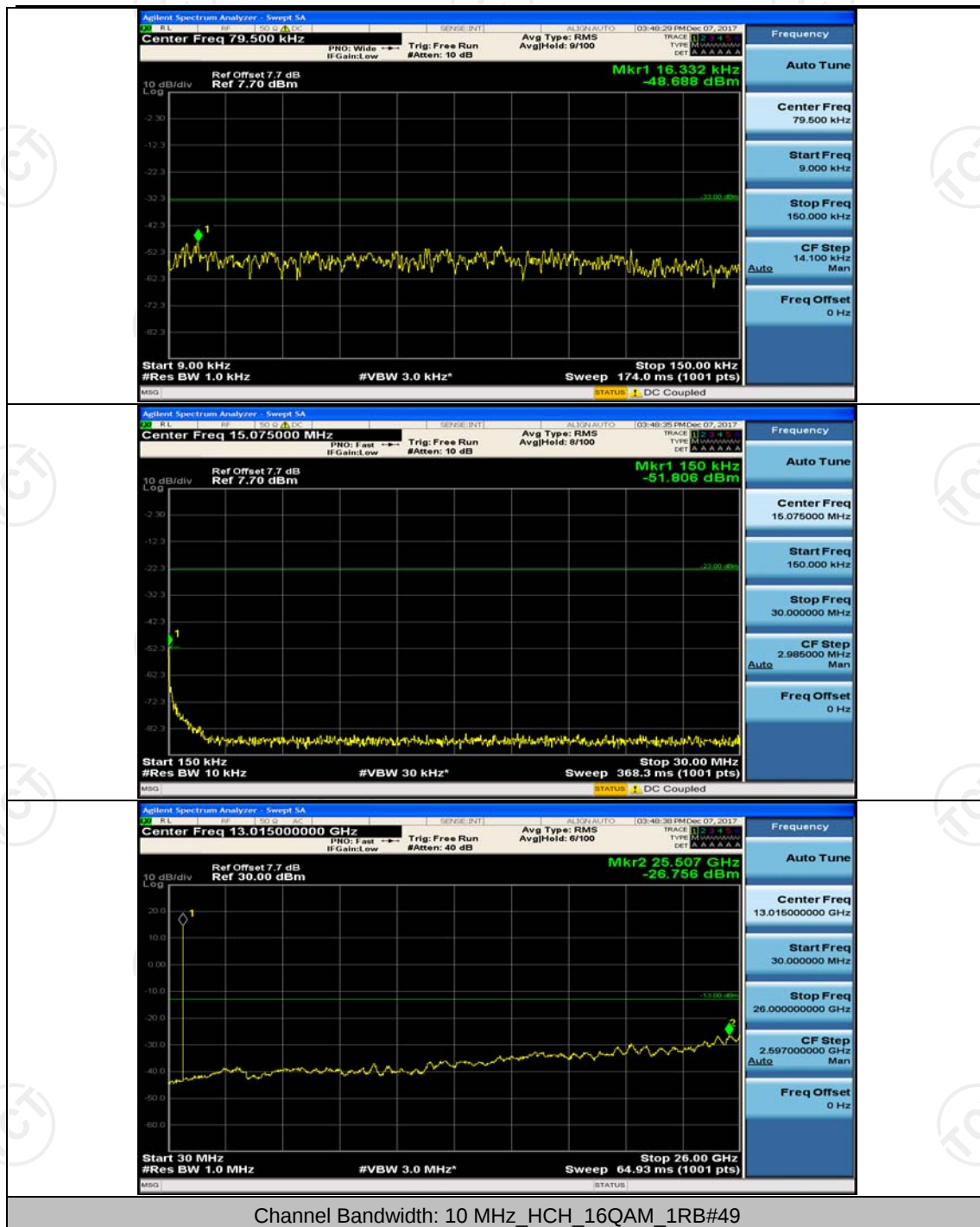


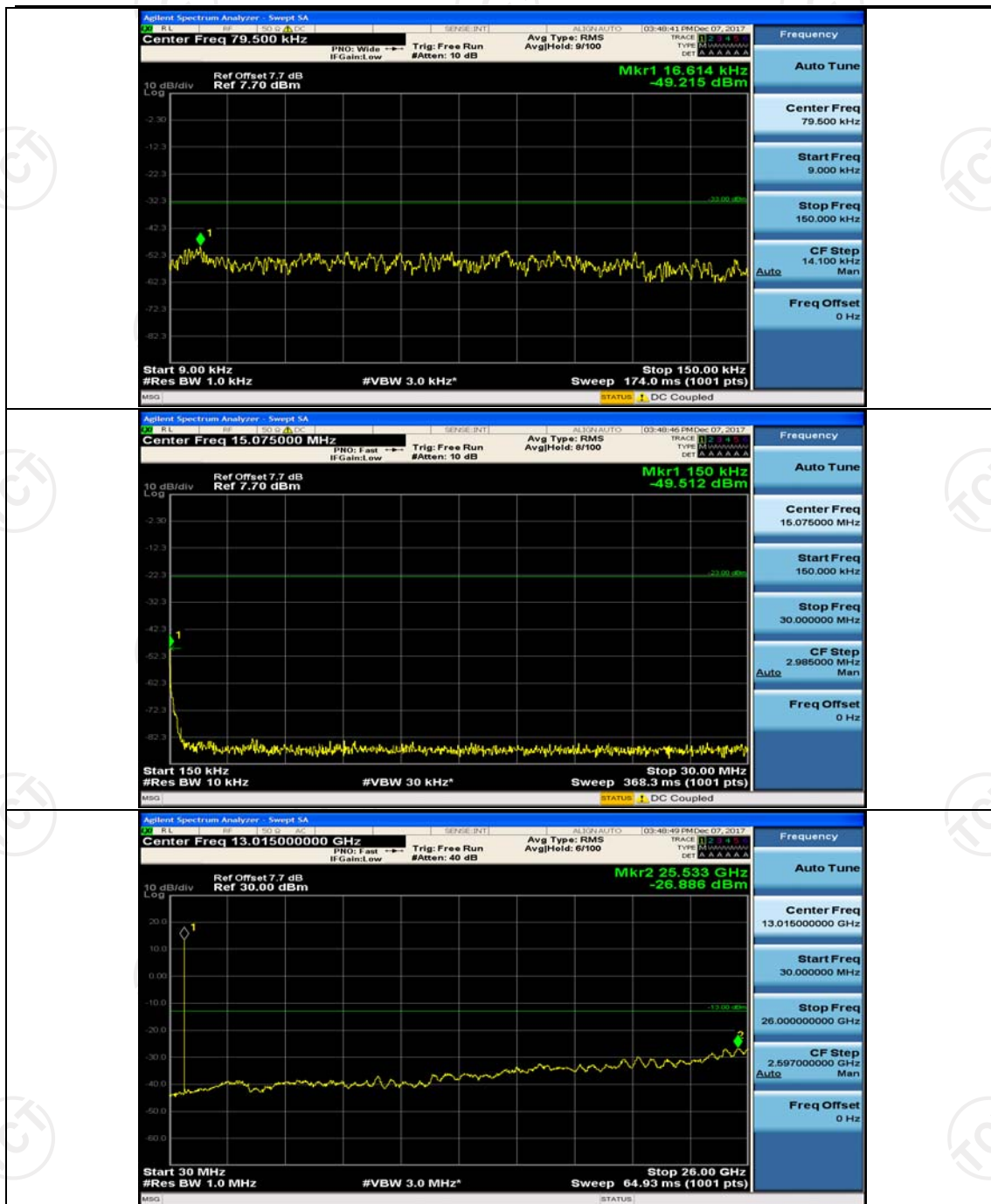


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





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

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	7.1	25	-0.000252	± 2.5	PASS
		7.4	25	-0.000102	± 2.5	PASS
		8.4	25	-0.000217	± 2.5	PASS
	MCH	7.1	25	-0.000451	± 2.5	PASS
		7.4	25	-0.000202	± 2.5	PASS
		8.4	25	-0.000360	± 2.5	PASS
	HCH	7.1	25	-0.000710	± 2.5	PASS
		7.4	25	-0.000500	± 2.5	PASS
		8.4	25	-0.000735	± 2.5	PASS
16QAM	LCH	7.1	25	-0.001780	± 2.5	PASS
		7.4	25	-0.001492	± 2.5	PASS
		8.4	25	-0.001627	± 2.5	PASS
	MCH	7.1	25	-0.000620	± 2.5	PASS
		7.4	25	-0.000445	± 2.5	PASS
		8.4	25	-0.000853	± 2.5	PASS
	HCH	7.1	25	-0.000650	± 2.5	PASS
		7.4	25	-0.000420	± 2.5	PASS
		8.4	25	-0.000284	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	7.4	0	-0.002165	± 2.5	PASS
		7.4	10	-0.002558	± 2.5	PASS
		7.4	20	-0.000266	± 2.5	PASS
		7.4	30	-0.001206	± 2.5	PASS
		7.4	40	-0.001124	± 2.5	PASS
		7.4	45	-0.002515	± 2.5	PASS
	MCH	7.4	0	-0.002165	± 2.5	PASS
		7.4	10	0.001240	± 2.5	PASS
		7.4	20	0.000445	± 2.5	PASS
		7.4	30	-0.001880	± 2.5	PASS
		7.4	40	-0.000566	± 2.5	PASS
		7.4	45	0.000040	± 2.5	PASS
	HCH	7.4	0	-0.004140	± 2.5	PASS
		7.4	10	-0.003310	± 2.5	PASS

16QAM		7.4	20	-0.001980	± 2.5	PASS
		7.4	30	-0.003800	± 2.5	PASS
		7.4	40	-0.003540	± 2.5	PASS
		7.4	45	-0.002300	± 2.5	PASS
	LCH	7.4	0	-0.004140	± 2.5	PASS
		7.4	10	-0.001041	± 2.5	PASS
		7.4	20	-0.000818	± 2.5	PASS
		7.4	30	-0.000348	± 2.5	PASS
		7.4	40	0.000184	± 2.5	PASS
		7.4	45	-0.000041	± 2.5	PASS
	MCH	7.4	0	-0.001830	± 2.5	PASS
		7.4	10	-0.001154	± 2.5	PASS
		7.4	20	0.000180	± 2.5	PASS
		7.4	30	-0.000081	± 2.5	PASS
		7.4	40	-0.001436	± 2.5	PASS
		7.4	45	-0.001152	± 2.5	PASS
	HCH	7.4	0	-0.001830	± 2.5	PASS
		7.4	10	-0.002310	± 2.5	PASS
		7.4	20	-0.001060	± 2.5	PASS
		7.4	30	-0.000300	± 2.5	PASS
		7.4	40	-0.001520	± 2.5	PASS
		7.4	45	-0.001060	± 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	-41.50	-13.00	PASS
2099.1	V	-45.42		
-	V	-		
1399.4	Horizontal	-44.38		
2099.1	H	-42.20		
-	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	-42.29	-13.00	PASS
2122.5	V	-44.54		
-	V	-		
1415	Horizontal	-45.17		
2122.5	H	-47.31		
-	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	-42.28	-13.00	PASS
2145.9	V	-45.63		
-	V	-		
1430.6	Horizontal	-42.27		
2145.9	H	-43.73		
-	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)		
1399.4	Vertical	-42.35	-13.00	PASS
2099.1	V	-46.24		
-	V	-		
1399.4	Horizontal	-43.40		
2099.1	H	-45.35		
-	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)		
1415	Vertical	-41.65	-13.00	PASS
2122.5	V	-46.58		
-	V	-		
1415	Horizontal	-42.60		
2122.5	H	-45.82		
-	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)		
1430.6	Vertical	-41.54	-13.00	PASS
2145.9	V	-44.21		
-	V	-		
1430.6	Horizontal	-42.54		
2145.9	H	-45.25		
-	H	-		

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