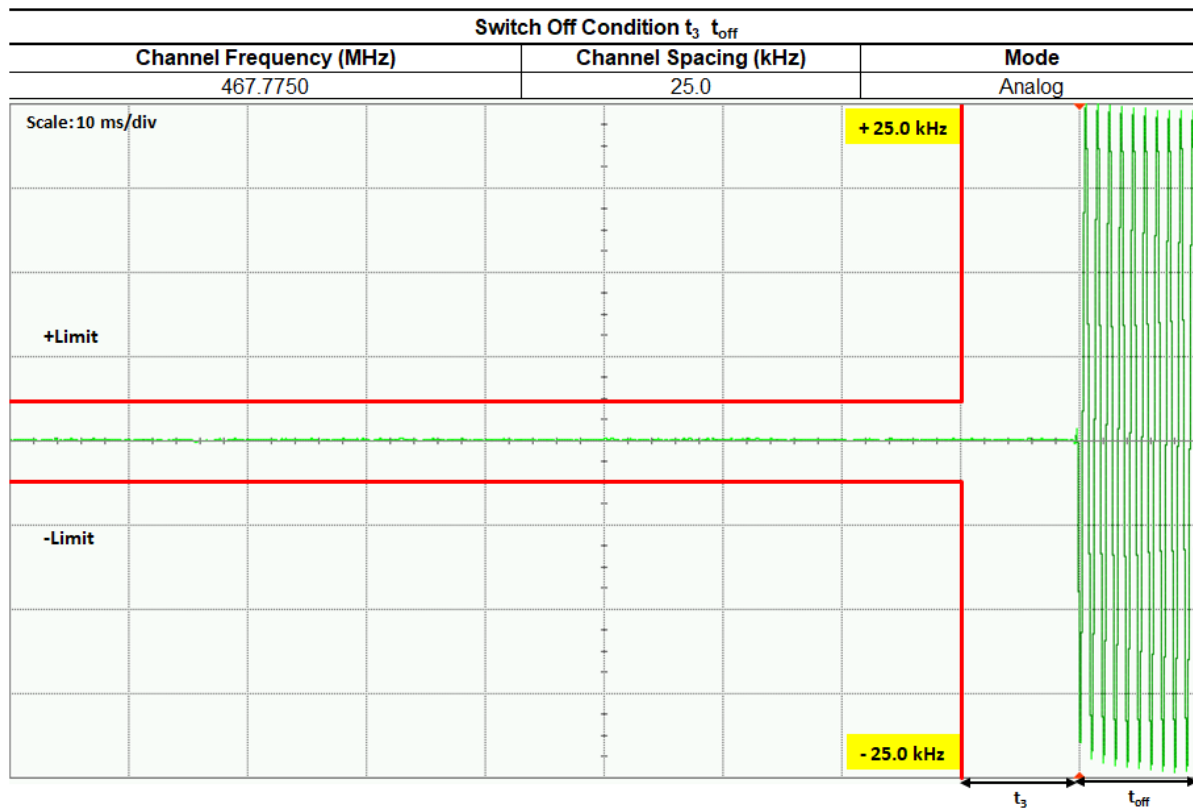
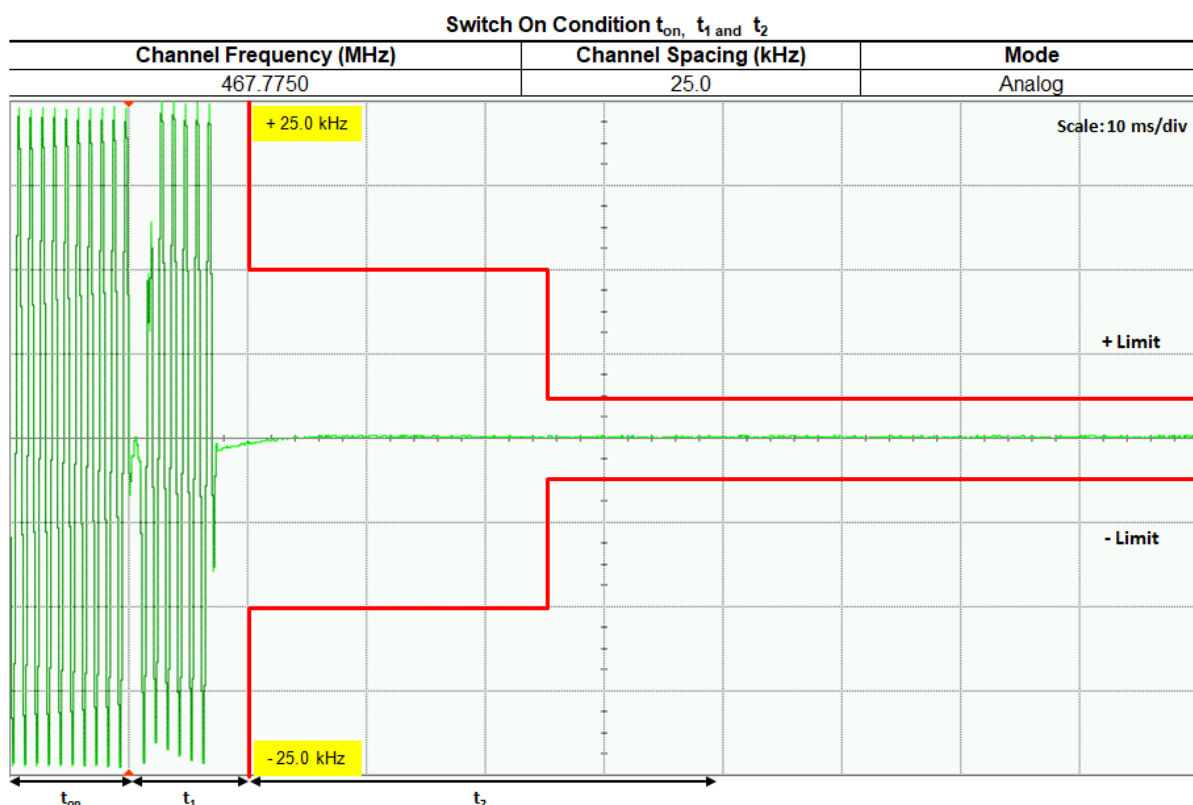
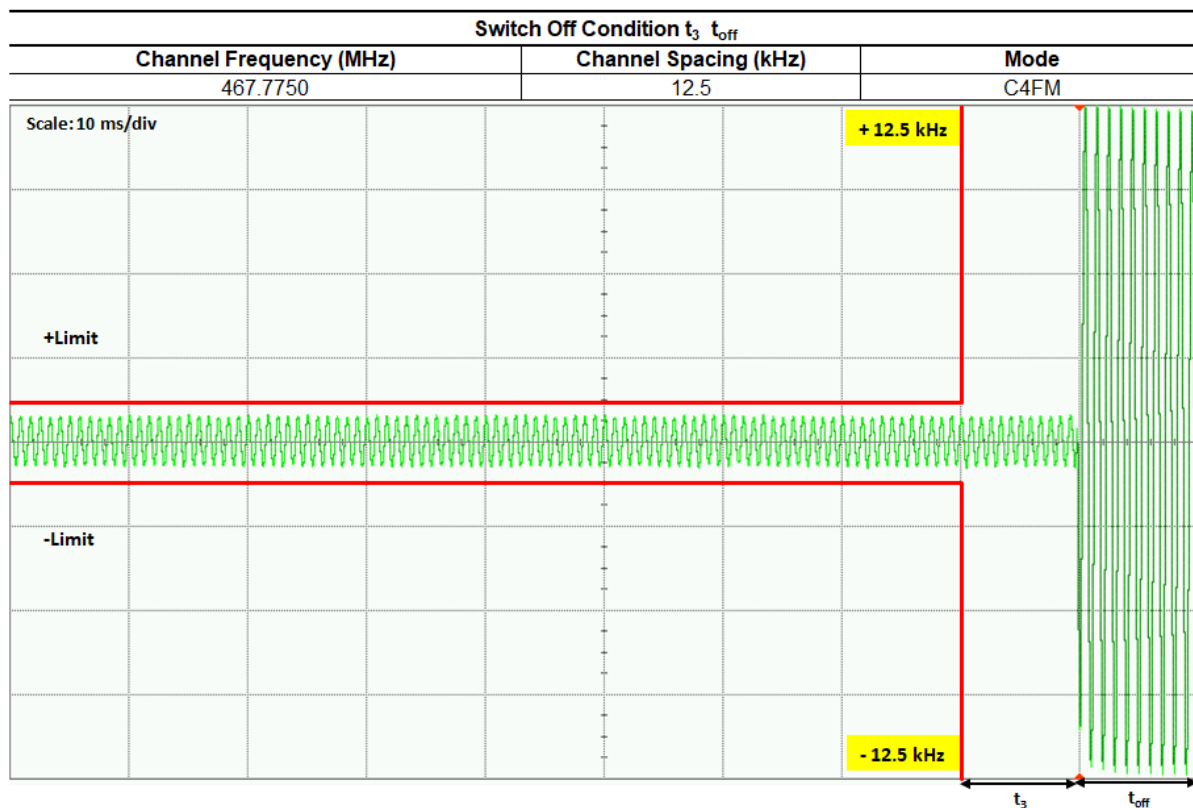
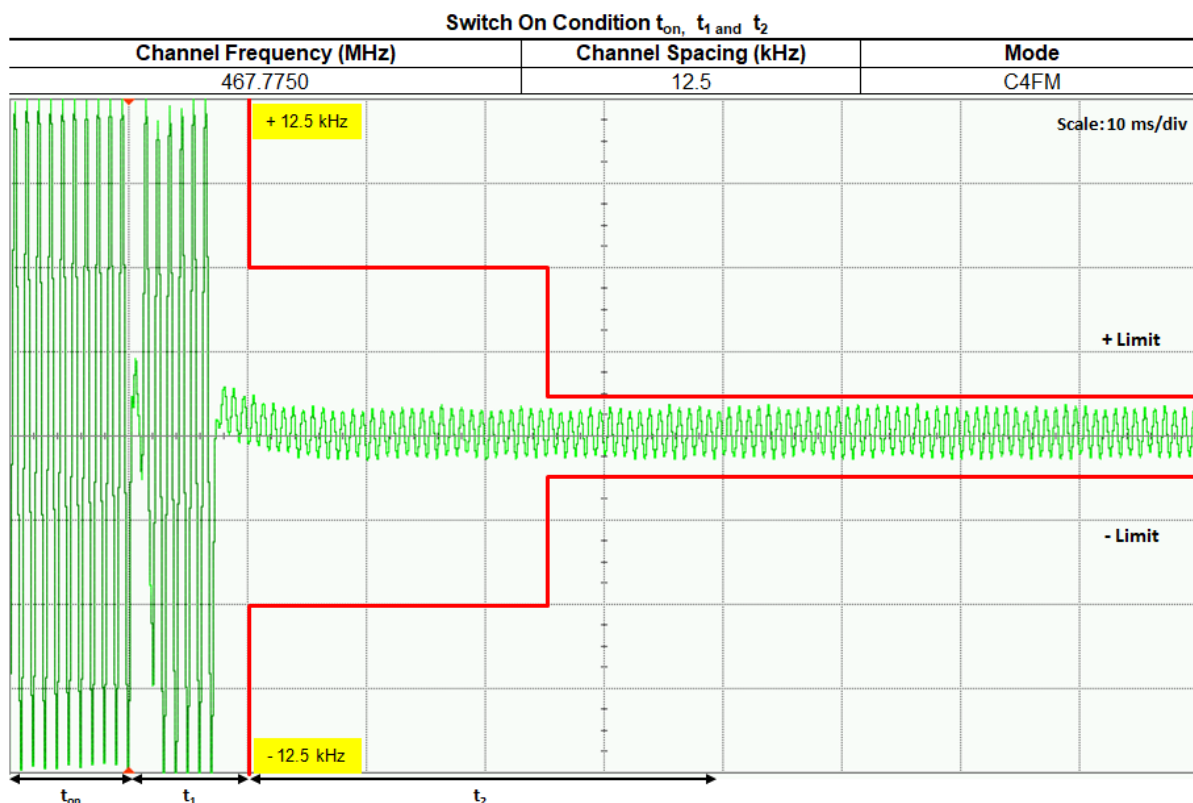




Not For FCC Review



6.8.3. Test Limit

Transmitters designed to operate in the 150-174 MHz and 421-512 MHz frequency bands must maintain transient frequencies within the maximum frequency difference limits during the time intervals indicated:

Time intervals ^{1 2}	Maximum frequency difference ³	All equipment	
		150 to 174 MHz	421 to 512 MHz
Transient Frequency Behavior for Equipment Designed to Operate on 25 kHz Channels			
t ₁ ⁴	±25.0 kHz	5.0 ms	10.0 ms
t ₂	±12.5 kHz	20.0 ms	25.0 ms
t ₃ ⁴	±25.0 kHz	5.0 ms	10.0 ms
Transient Frequency Behavior for Equipment Designed to Operate on 12.5 kHz Channels			
t ₁ ⁴	±12.5 kHz	5.0 ms	10.0 ms
t ₂	±6.25 kHz	20.0 ms	25.0 ms
t ₃ ⁴	±12.5 kHz	5.0 ms	10.0 ms
Transient Frequency Behavior for Equipment Designed to Operate on 6.25 kHz Channels			
t ₁ ⁴	±6.25 kHz	5.0 ms	10.0 ms
t ₂	±3.125 kHz	20.0 ms	25.0 ms
t ₃ ⁴	±6.25 kHz	5.0 ms	10.0 ms

¹ t_{on} is the instant when a 1 kHz test signal is completely suppressed, including any capture time due to phasing.

t_1 is the time period immediately following t_{on} .

t_2 is the time period immediately following t_1 .

t_3 is the time period from the instant when the transmitter is turned off until t_{off} .

t_{off} is the instant when the 1 kHz test signal starts to rise.

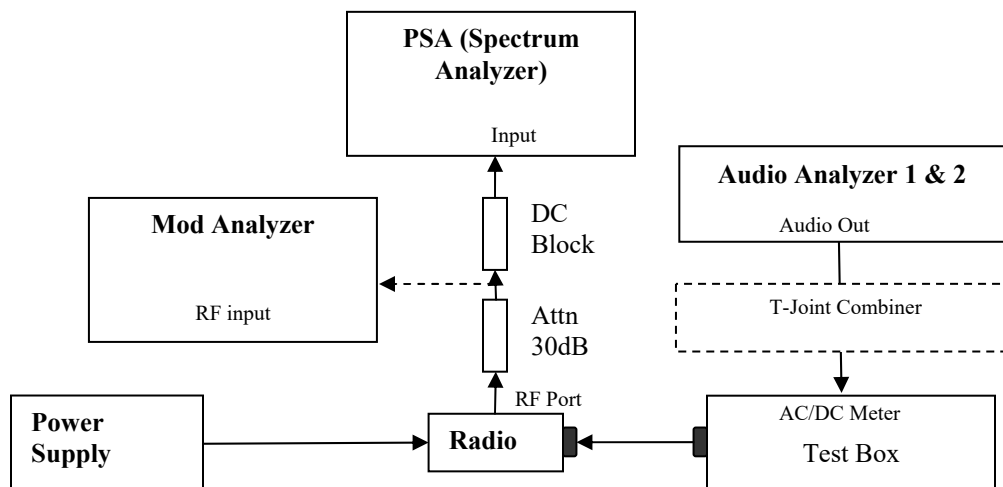
² During the time from the end of t_2 to the beginning of t_3 , the frequency difference must not exceed the limits specified in §90.213.

³ Difference between the actual transmitter frequency and the assigned transmitter frequency.

⁴ If the transmitter carrier output power rating is 6 watts or less, the frequency difference during this time period may exceed the maximum frequency difference for this time period.

6.9. Adjacent Channel Power

6.9.1. Test Setup (Analog)

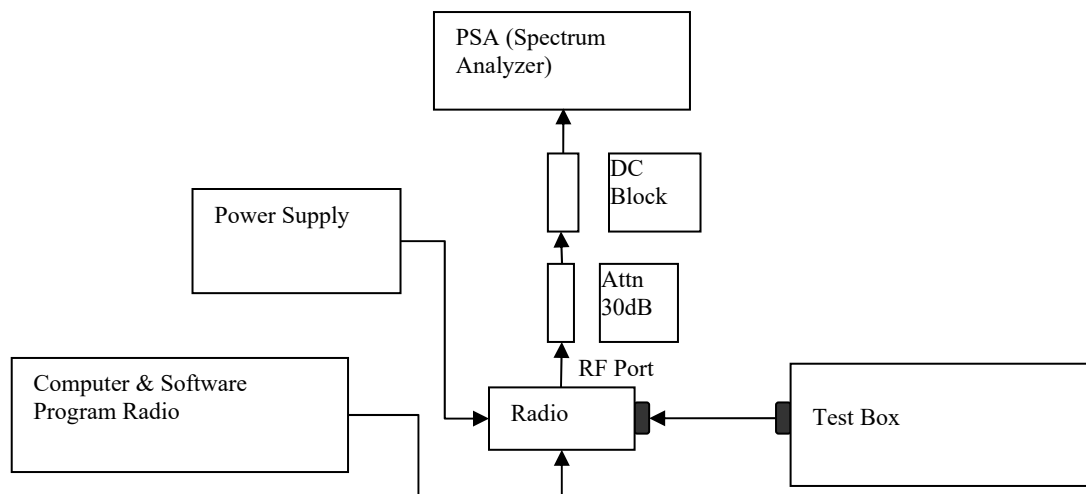


- 1) The DUT transmitter output port was connected to modulation analyzer.
- 2) Transmit the radio and turn on 1st audio analyzer with audio frequency 650Hz, 50% rated deviation, and record the amplitude value as AmpT1.
- 3) Turn off Audio analyzer 1 and turn on audio analyzer 2, set the audio frequency to 2.2 kHz and 50% deviation. Record the amplitude as AmpT2.
- 4) Turn both audio analyzers ON and up 10dB amplitude level.
- 5) Connect the output to PSA and set to assigned center frequency.
- 6) Set Span, Resolution Bandwidth and Video Bandwidth per rules part.
- 7) Transmit the radio and record the Adjacent Channel Power value in dBc.

6.9.2. Test Result

Not Applicable

6.9.3. Test Setup (Digital)



- 1) Program and set radio to operate in desire test frequency and digital mode with modulation. (4FSK, C4FM or other digital modulation form).
- 2) Prepare setup as per picture.
- 3) Turn on the ACP Measurement – Press Measure, ACP.
- 4) Set Span, Resolution Bandwidth and Video Bandwidth as per rules part.
- 5) Transmit the radio and record the Adjacent Channel Power value in dBc.

6.9.4. Test Result

Not Applicable

6.9.5. Test Limit

12.5 kHz MOBILE TRANSMITTER ACP REQUIREMENTS

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP relative (dBc)
9.375	6.25	-40
15.625	6.25	-60
21.875	6.25	-60
37.50	25.00	-60
62.50	25.00	-65
87.50	25.00	-65
150.00	100	-65
250.00	100	-65
350.00	100	-65
>400 to 12 MHz	30 (s)	-75
12 MHz to paired receive band	30 (s)	-75
In the paired receive band	30 (s)	-100

25 kHz MOBILE TRANSMITTER ACP REQUIREMENTS

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP relative (dBc)
15.625	6.25	-40
21.875	6.25	-60
37.50	25	-60
62.50	25	-65
87.50	25	-65
150.00	100	-65
250.00	100	-65
350.00	100	-65
>400 kHz to 12 MHz	30 (s)	-75
12 MHz to paired receive band	30 (s)	-75
In the paired receive band	30 (s)	-100

12.5 kHz BASE TRANSMITTER ACP REQUIREMENTS

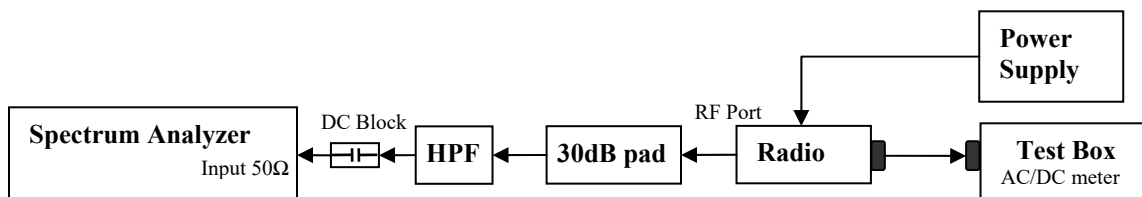
Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
9.375	6.25	-40
15.625	6.25	-60
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
350.00	100	-65
>400 kHz to 12 MHz	30 (s)	-80
12 MHz to paired receive band	30 (s)	-80
In the paired receive band	30 (s)	¹ -85

25 kHz BASE TRANSMITTER ACP REQUIREMENTS

Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
15.625	6.25	-40
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
350	100.00	-65
>400 kHz to 12 MHz	30 (s)	-80
12 MHz to paired receive band	30 (s)	-80
In the paired receive band	30 (s)	¹ -85

6.10. Conducted Spurious Emission

6.10.1. Test Setup

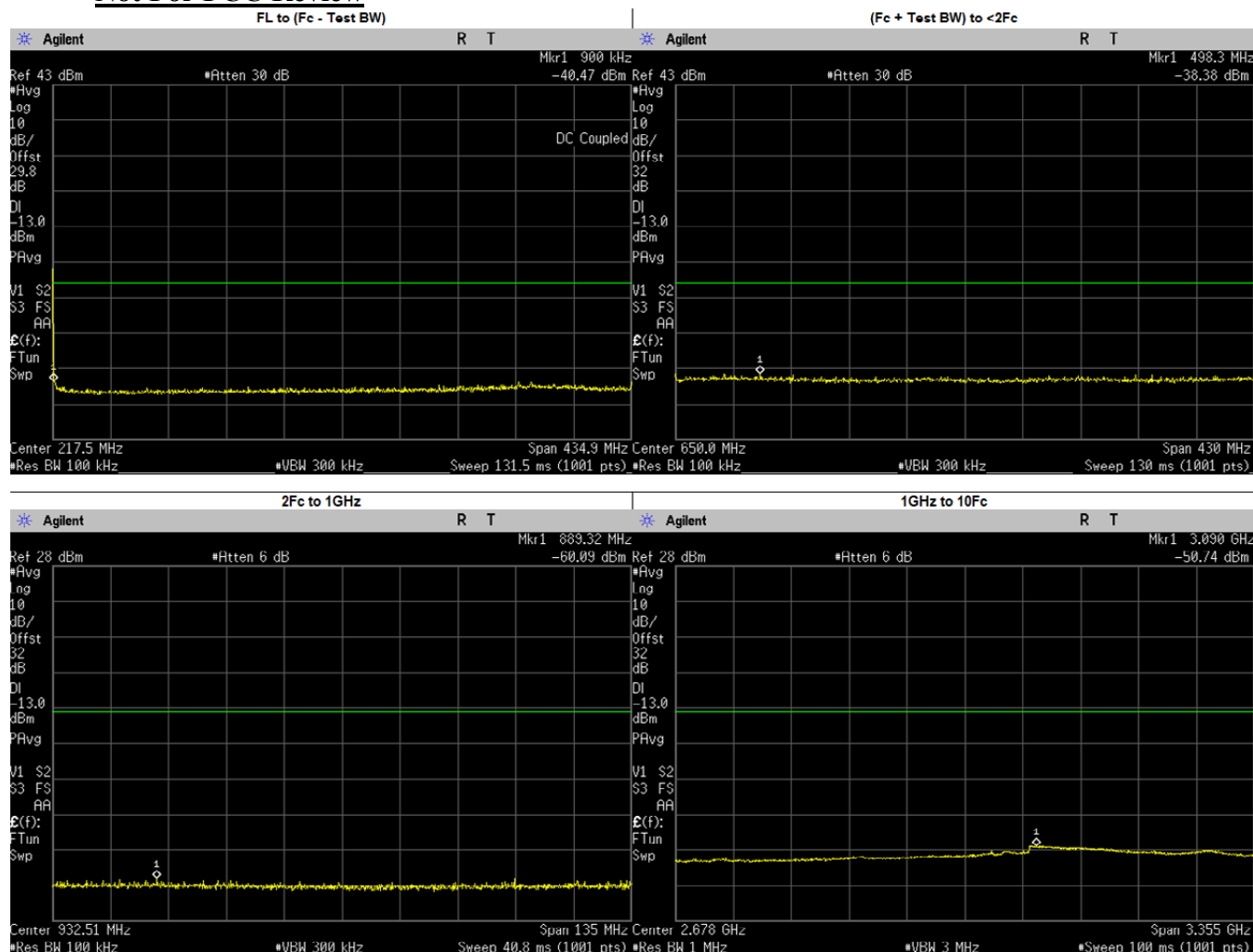


- 1) The DUT transmitter output port was connected to Spectrum Analyzer with above setup.
- 2) Program and set radio to operate in desire test frequency and mode. (Analog / digital modulation form).
- 3) Path loss for the measurement included.
- 4) Set the PSA Resolution Bandwidth as per rules part.
- 5) Set the Ref offset from the pathloss offset calibration file.
- 6) Adjust the center frequency of the spectrum analyzer for incremental coverage of the range from:
 - a. 9 KHz to $F_c - \text{Test Bandwidth}$
 - b. $F_c + \text{Test Bandwidth}$ to $2F_c - 5\text{MHz}$.
- 7) Key up the DUT, Peak Search the highest Spur and record the levels of spurious emissions
- 8) Dekey the DUT.
- 9) Turn On High Pass Filter path and Key up the DUT.
- 10) Adjust the PSA Freq for incremental coverage of range from $2F_c$ to $10F_c$
- 11) Key up the DUT and record the highest spur levels of spurious emissions.

6.10.2. Test Result (Analog)

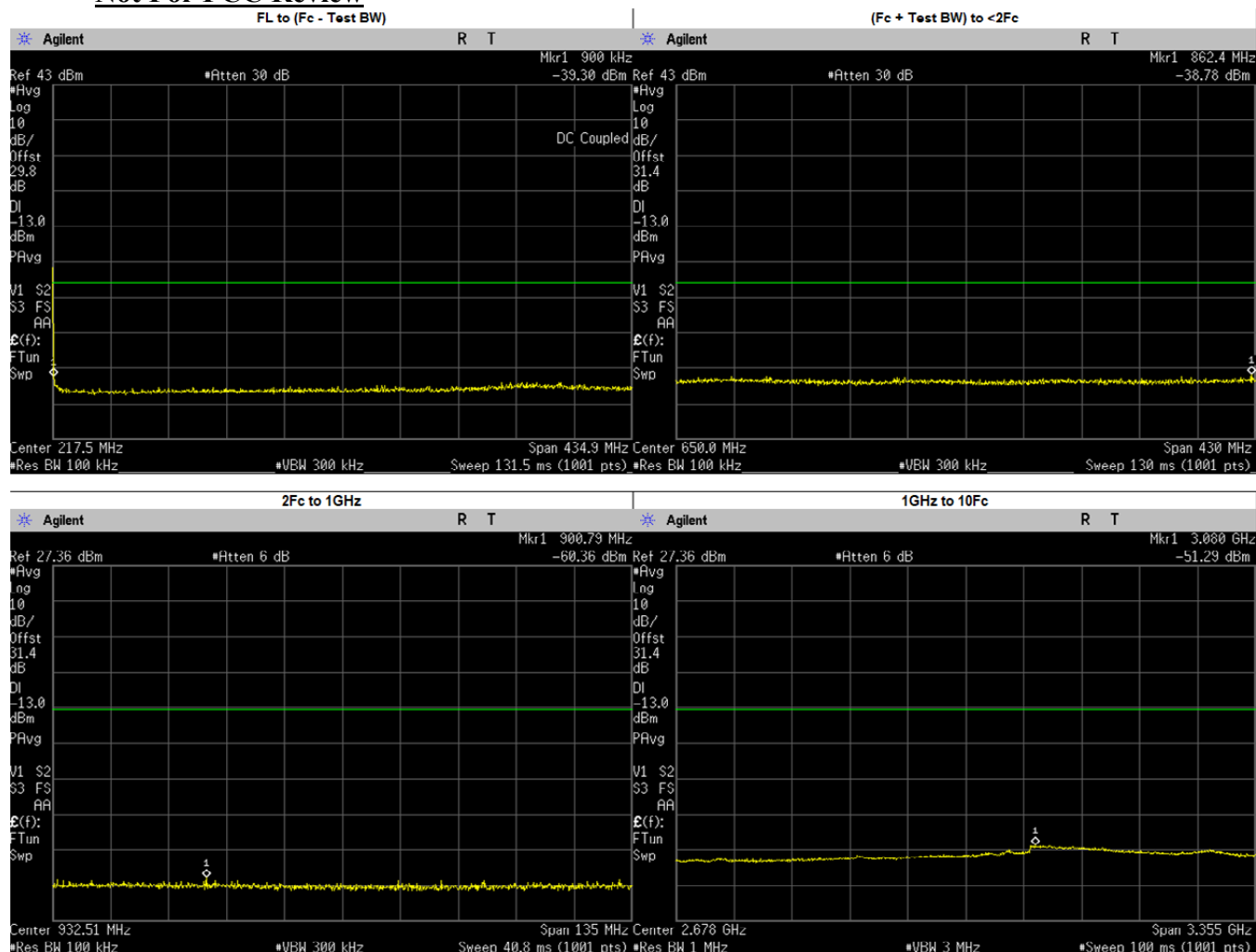
Analog: 435.0125 MHz, 25.0kHz Channel Spacing, Max Power

Not For FCC Review



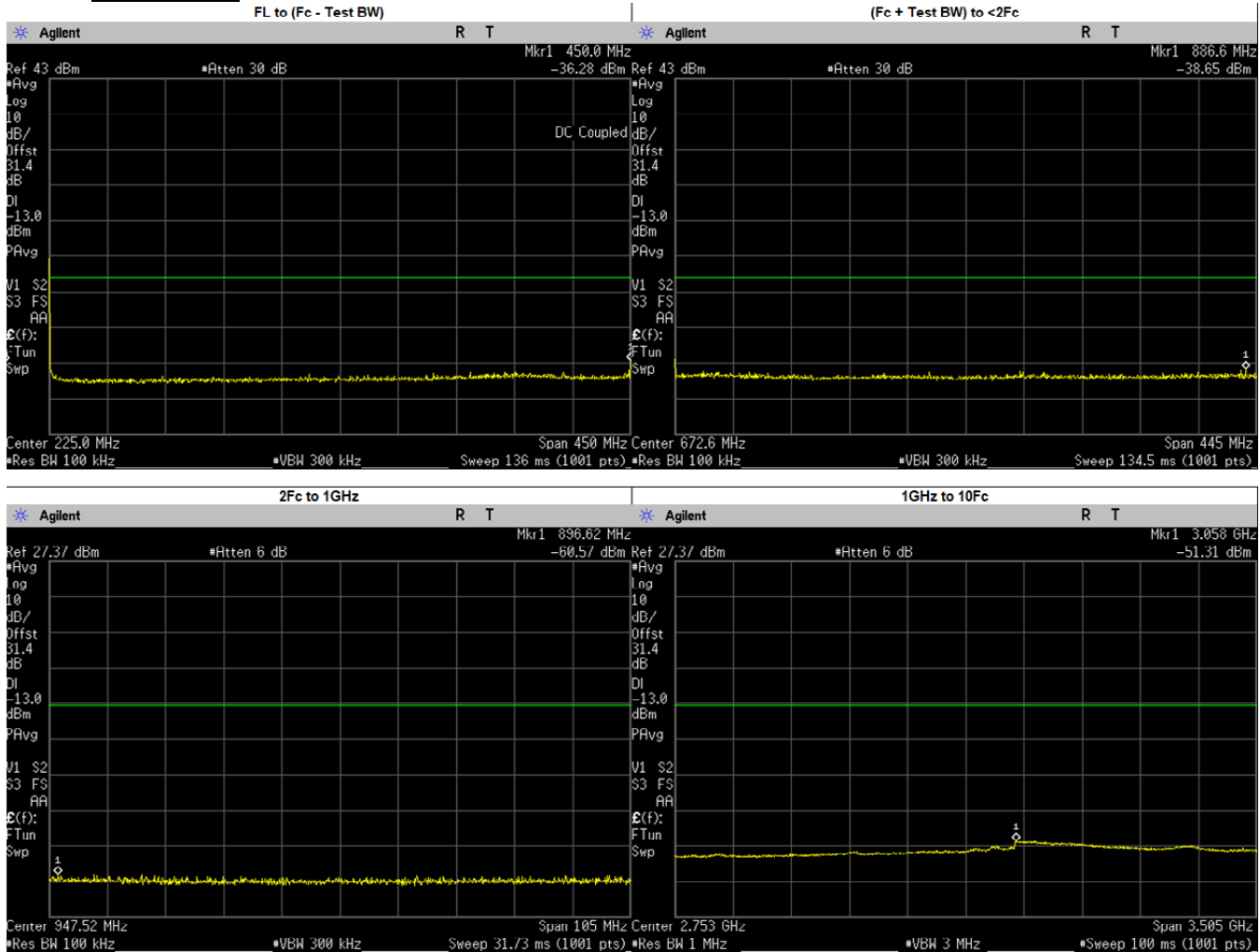
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9000	-40.4700	-13.00	PASS
(Fc + Test BW) to <2Fc	498.2718	-38.3800	-13.00	PASS
2Fc to 1GHz	889.3205	-60.0900	-13.00	PASS
	870.0250	-62.4222	-13.00	PASS
1GHz to 10Fc	3090.2430	-50.7400	-13.00	PASS
	1305.0370	-55.0129	-13.00	PASS
	1740.0500	-54.6330	-13.00	PASS
	2175.0620	-54.3453	-13.00	PASS
	2610.0750	-54.0029	-13.00	PASS
	3045.0880	-52.5560	-13.00	PASS
	3480.1000	-51.8752	-13.00	PASS
	3915.1130	-53.0463	-13.00	PASS
	4350.1250	-53.2821	-13.00	PASS

Analog: 435.0125 MHz, 25.0kHz Channel Spacing, Low Power
Not For FCC Review



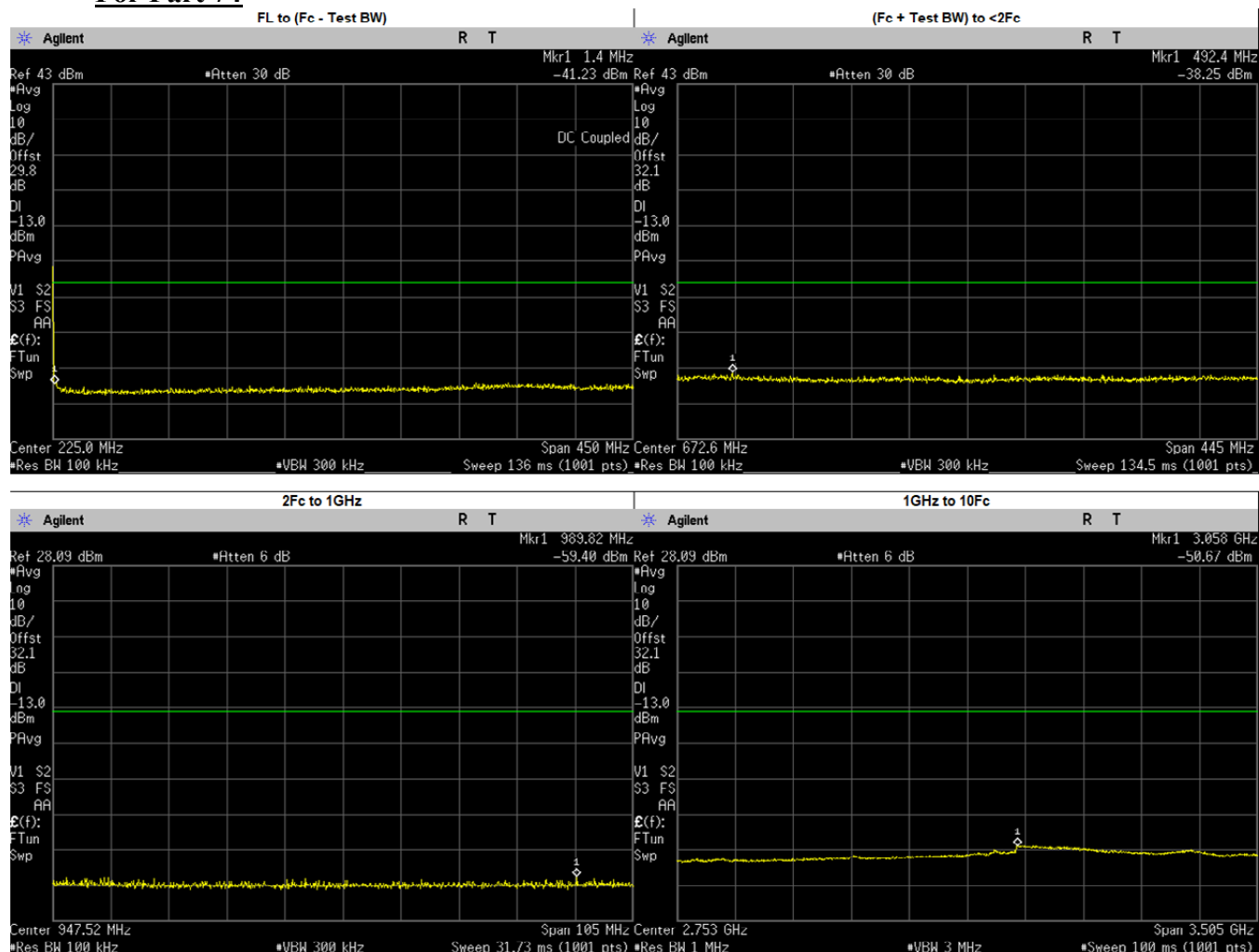
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9000	-39.3000	-13.00	PASS
(Fc + Test BW) to <2Fc	862.4453	-38.7800	-13.00	PASS
2Fc to 1GHz	900.7934	-60.3600	-13.00	PASS
	870.0250	-63.0826	-13.00	PASS
1GHz to 10Fc	3080.1770	-51.2900	-13.00	PASS
	1305.0370	-55.7463	-13.00	PASS
	1740.0500	-55.6450	-13.00	PASS
	2175.0620	-55.0629	-13.00	PASS
	2610.0750	-54.5617	-13.00	PASS
	3045.0880	-53.2235	-13.00	PASS
	3480.1000	-52.4714	-13.00	PASS
	3915.1130	-53.5739	-13.00	PASS
	4350.1250	-54.0749	-13.00	PASS

**Analog: 450.025 MHz, 25.0kHz Channel Spacing, Max Power
For Part 74**



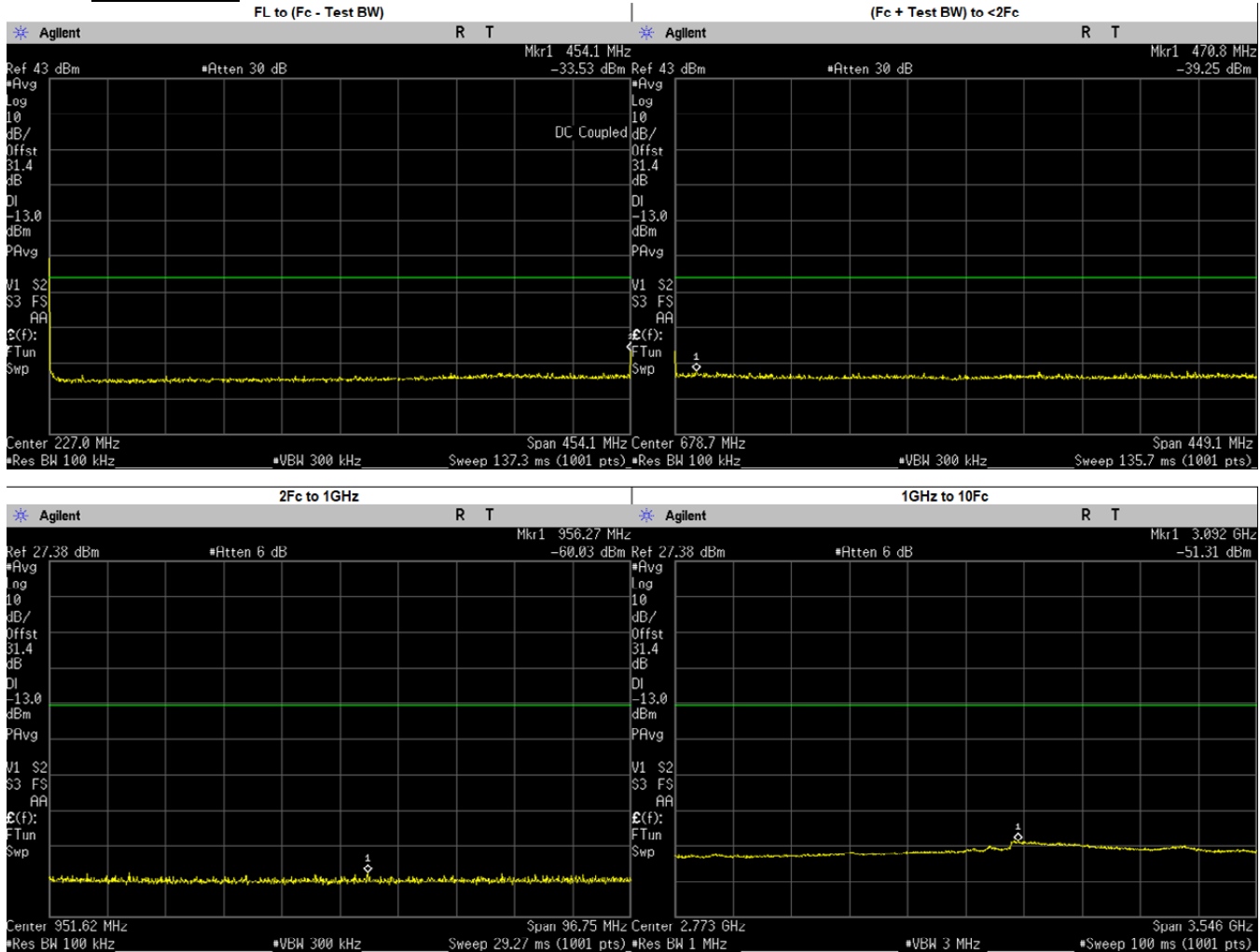
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	450.0000	-36.2750	-13.00	PASS
(Fc + Test BW) to <2Fc	886.5956	-38.6500	-13.00	PASS
2Fc to 1GHz	896.6242	-60.5700	-13.00	PASS
	900.0500	-62.4995	-13.00	PASS
1GHz to 10Fc	3057.5820	-51.3100	-13.00	PASS
	1350.0750	-55.2948	-13.00	PASS
	1800.1000	-55.2725	-13.00	PASS
	2250.1250	-54.7574	-13.00	PASS
	2700.1500	-54.1091	-13.00	PASS
	3150.1750	-51.6000	-13.00	PASS
	3600.2000	-52.8139	-13.00	PASS
	4050.2250	-53.0042	-13.00	PASS
	4500.2500	-53.5842	-13.00	PASS

**Analog: 450.025 MHz, 25.0kHz Channel Spacing, Low Power
For Part 74**



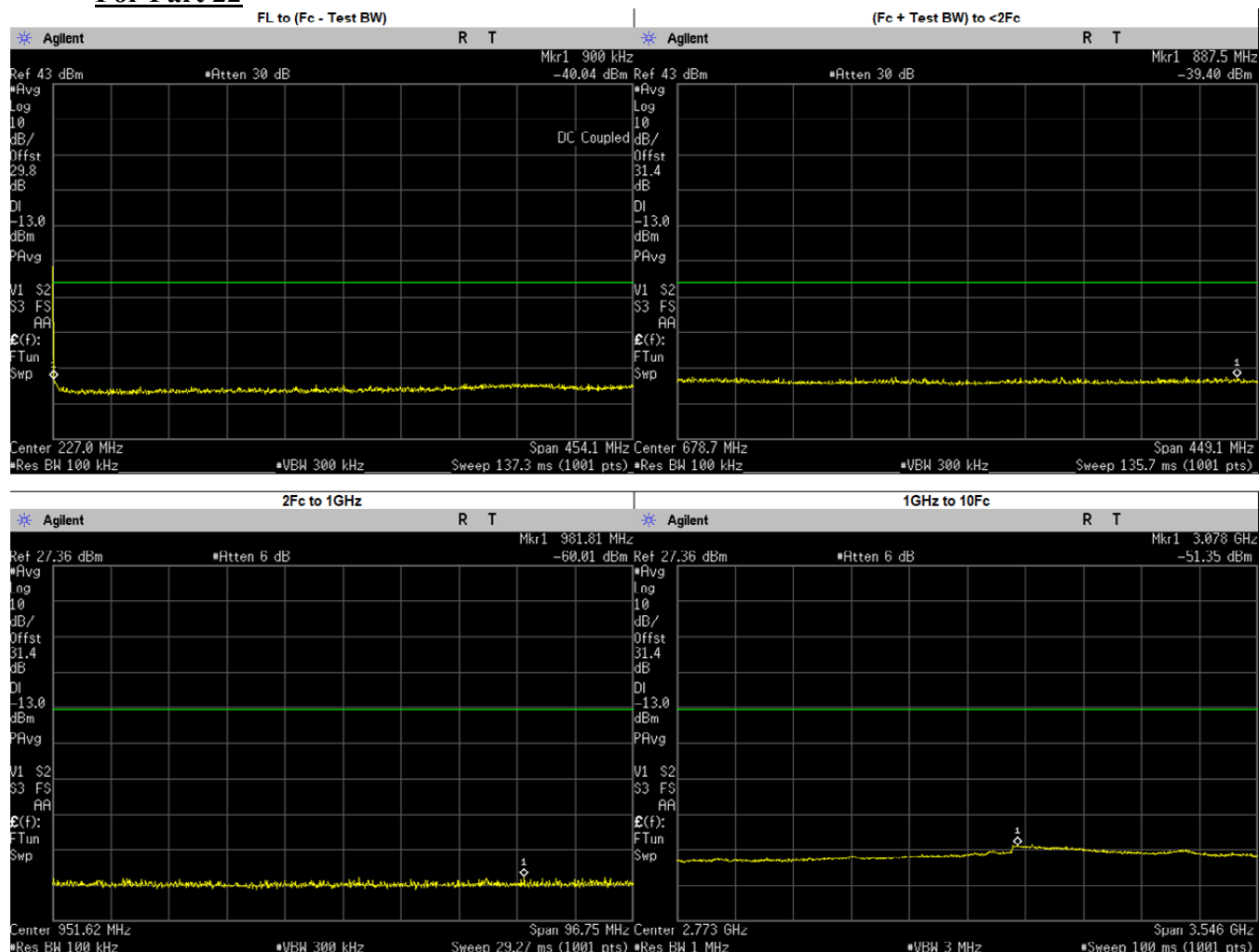
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.4000	-41.2280	-13.00	PASS
(Fc + Test BW) to <2Fc	492.3538	-38.2500	-13.00	PASS
2Fc to 1GHz	989.8198	-59.4000	-13.00	PASS
	900.0500	-61.7445	-13.00	PASS
1GHz to 10Fc	3057.5820	-50.6700	-13.00	PASS
	1350.0750	-54.7195	-13.00	PASS
	1800.1000	-54.5348	-13.00	PASS
	2250.1250	-54.1542	-13.00	PASS
	2700.1500	-53.6031	-13.00	PASS
	3150.1750	-50.8361	-13.00	PASS
	3600.2000	-52.2838	-13.00	PASS
	4050.2250	-52.2362	-13.00	PASS
	4500.2500	-53.3040	-13.00	PASS

**Analog: 454.125 MHz, 25.0kHz Channel Spacing, Max Power
 For Part 22**



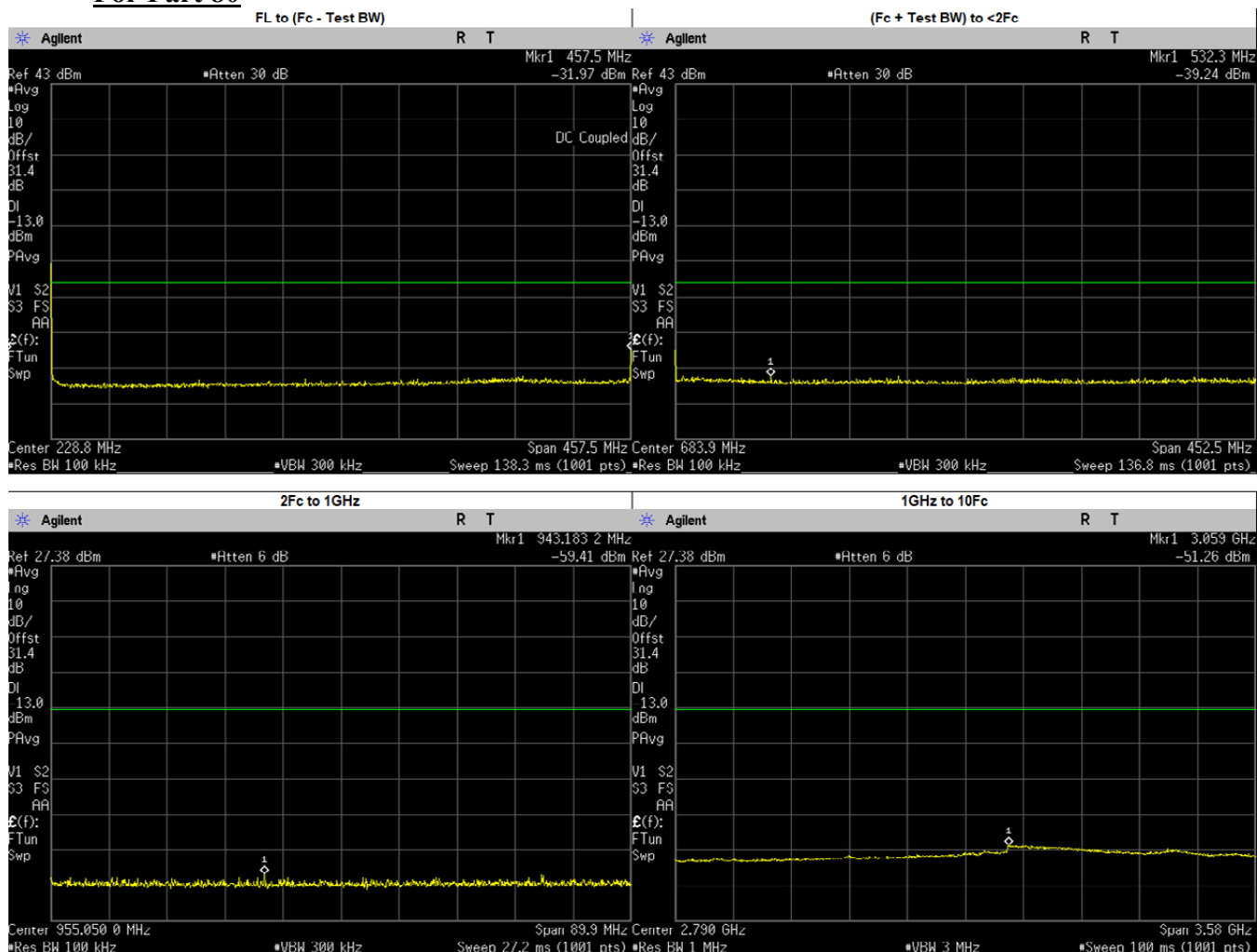
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	454.1000	-33.5270	-13.00	PASS
(Fc + Test BW) to <2Fc	470.7973	-39.2500	-13.00	PASS
2Fc to 1GHz	956.2690	-60.0300	-13.00	PASS
	908.2500	-62.0293	-13.00	PASS
1GHz to 10Fc	3092.2870	-51.3100	-13.00	PASS
	1362.3750	-55.4298	-13.00	PASS
	1816.5000	-55.1981	-13.00	PASS
	2270.6250	-54.8107	-13.00	PASS
	2724.7500	-54.2174	-13.00	PASS
	3178.8750	-51.6994	-13.00	PASS
	3633.0000	-53.2150	-13.00	PASS
	4087.1250	-52.8998	-13.00	PASS
	4541.2500	-54.2368	-13.00	PASS

**Analog: 454.125 MHz, 25.0kHz Channel Spacing, Low Power
For Part 22**



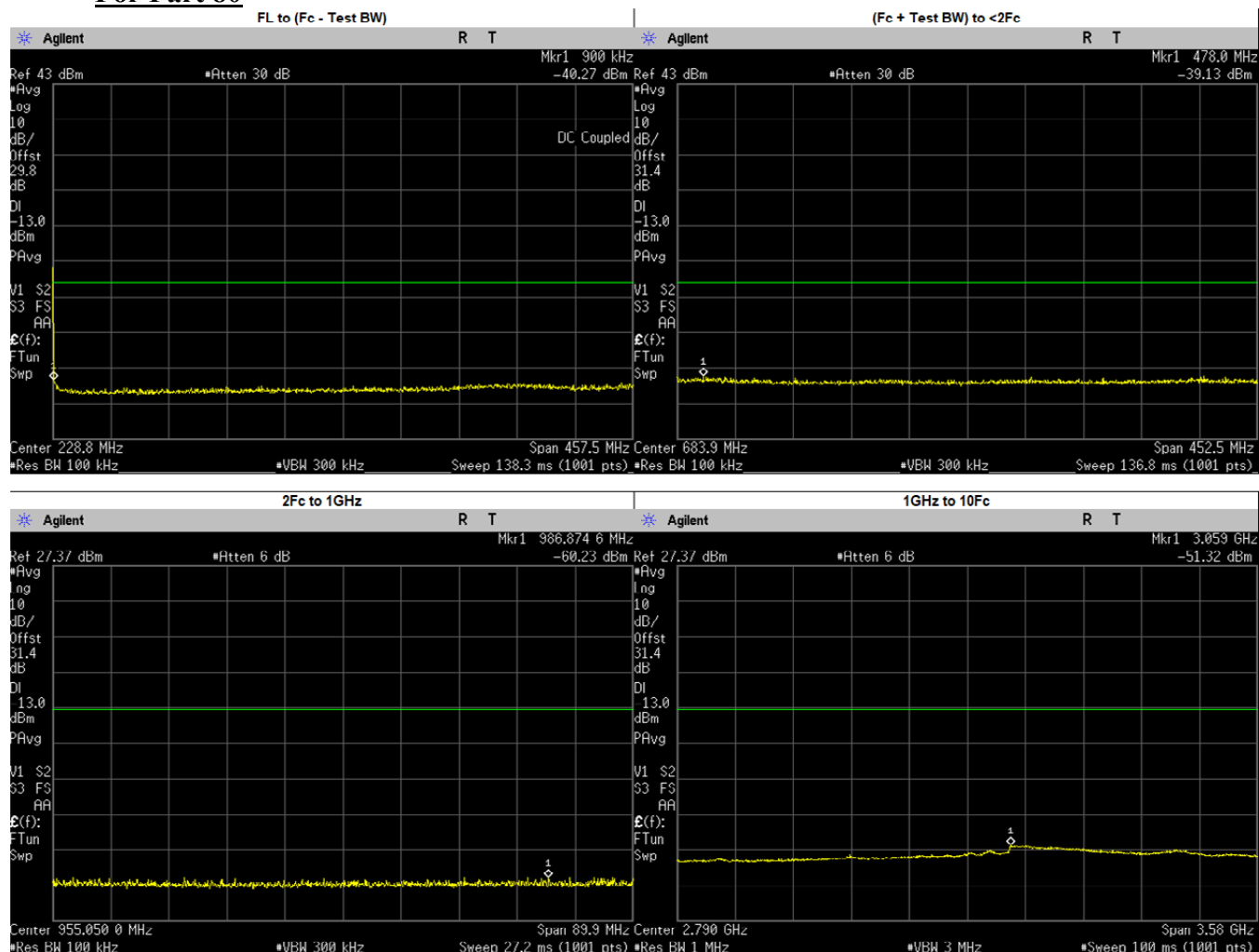
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9000	-40.0400	-13.00	PASS
(Fc + Test BW) to <2Fc	887.5326	-39.4000	-13.00	PASS
2Fc to 1GHz	981.8110	-60.0100	-13.00	PASS
	908.2500	-62.0723	-13.00	PASS
1GHz to 10Fc	3078.1020	-51.3500	-13.00	PASS
	1362.3750	-55.5051	-13.00	PASS
	1816.5000	-55.1714	-13.00	PASS
	2270.6250	-55.0010	-13.00	PASS
	2724.7500	-54.2161	-13.00	PASS
	3178.8750	-51.8797	-13.00	PASS
	3633.0000	-53.1414	-13.00	PASS
	4087.1250	-52.8587	-13.00	PASS
	4541.2500	-54.2939	-13.00	PASS

**Analog: 457.55 MHz, 25.0kHz Channel Spacing, Max Power
For Part 80**



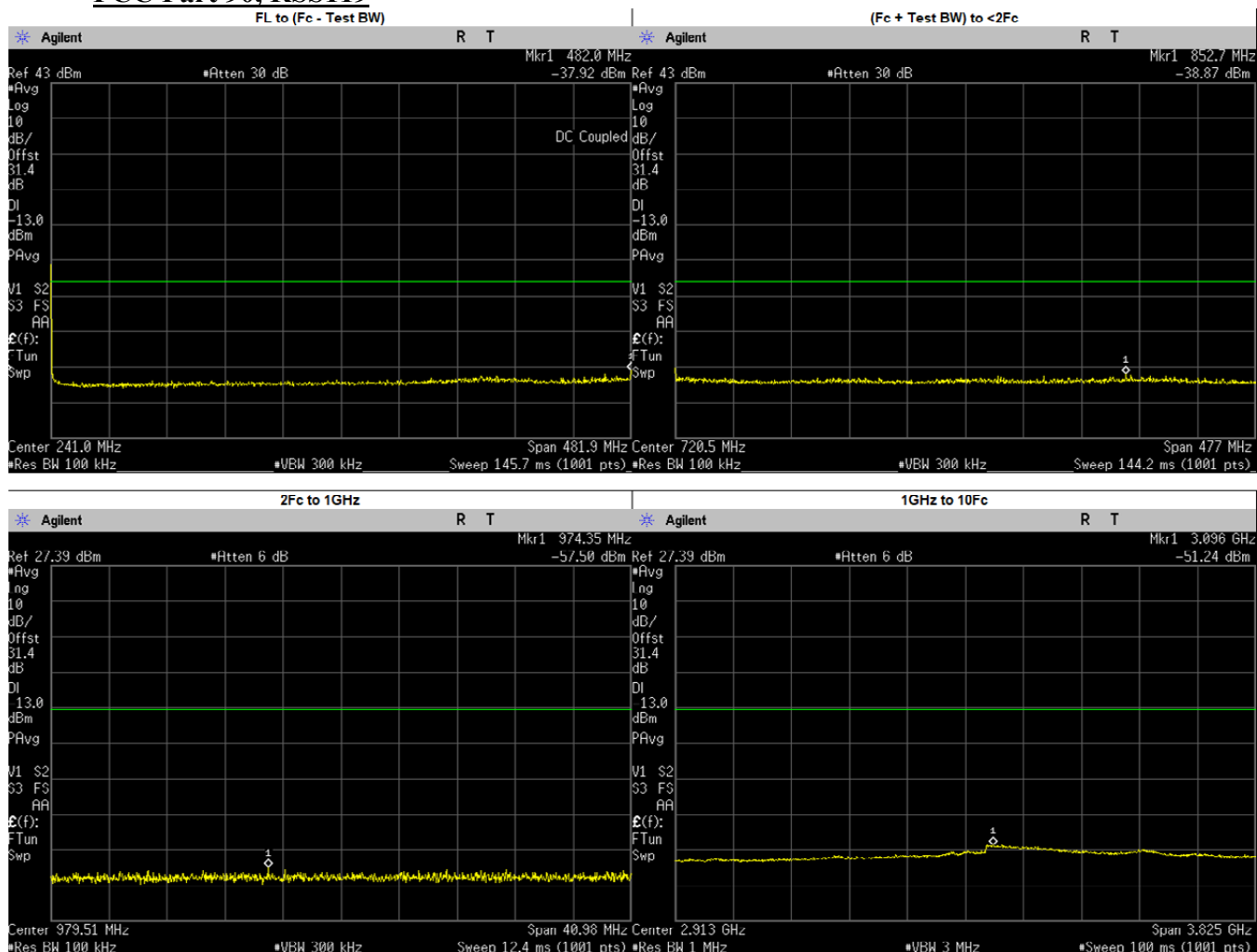
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	457.5000	-31.9660	-13.00	PASS
(Fc + Test BW) to <2Fc	532.2682	-39.2400	-13.00	PASS
2Fc to 1GHz	943.1832	-59.4100	-13.00	PASS
	915.1000	-62.6333	-13.00	PASS
1GHz to 10Fc	3058.7870	-51.2600	-13.00	PASS
	1372.6500	-55.6068	-13.00	PASS
	1830.2000	-55.2938	-13.00	PASS
	2287.7500	-54.8545	-13.00	PASS
	2745.3000	-53.9347	-13.00	PASS
	3202.8500	-51.9142	-13.00	PASS
	3660.4000	-53.2670	-13.00	PASS
	4117.9500	-52.9178	-13.00	PASS
	4575.5000	-54.2967	-13.00	PASS

**Analog: 457.55 MHz, 25.0kHz Channel Spacing, Low Power
For Part 80**



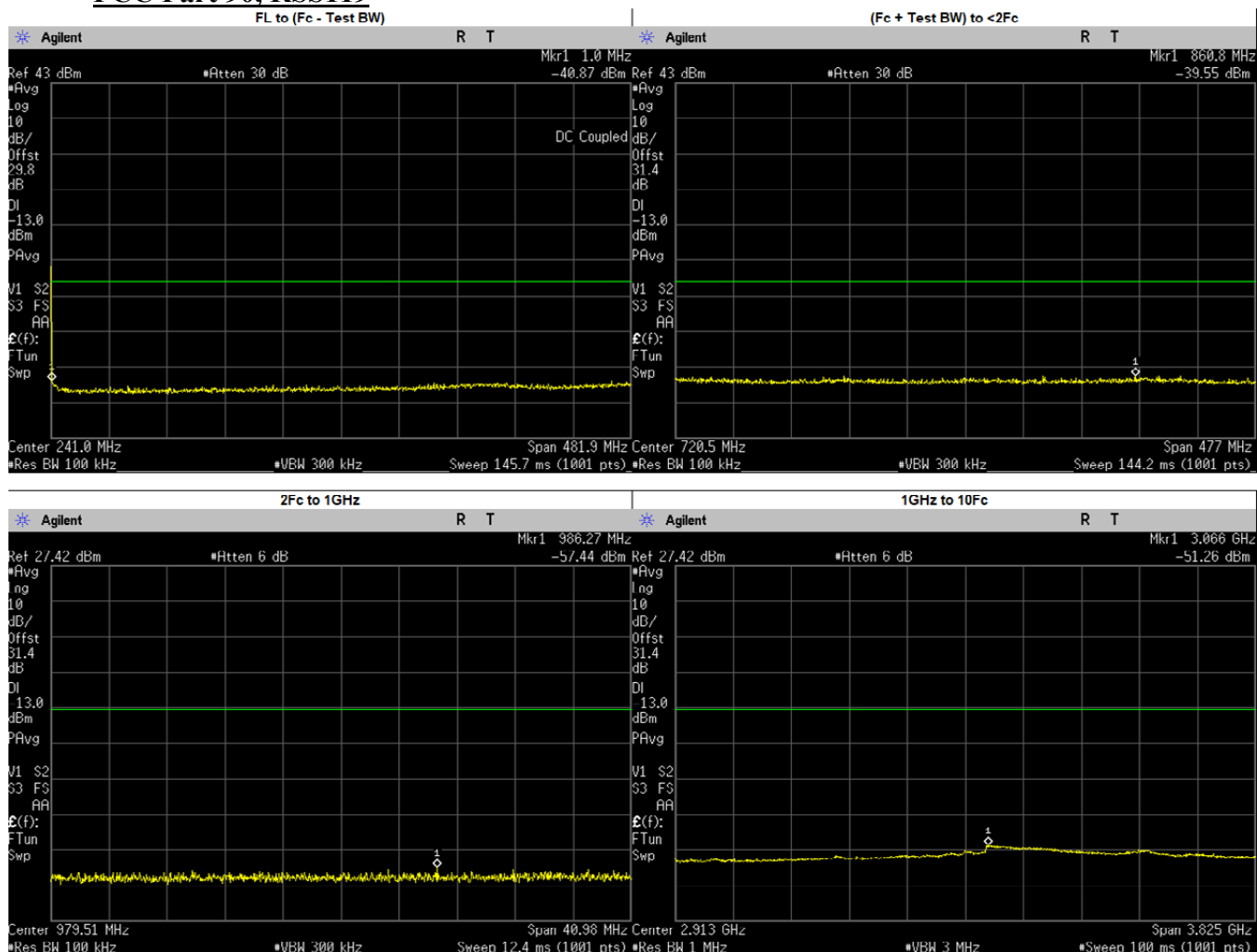
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9000	-40.2710	-13.00	PASS
(Fc + Test BW) to <2Fc	478.0000	-39.1300	-13.00	PASS
2Fc to 1GHz	986.8746	-60.2300	-13.00	PASS
	915.1000	-61.8004	-13.00	PASS
1GHz to 10Fc	3058.7870	-51.3200	-13.00	PASS
	1372.6500	-55.6797	-13.00	PASS
	1830.2000	-55.1884	-13.00	PASS
	2287.7500	-54.7923	-13.00	PASS
	2745.3000	-54.1611	-13.00	PASS
	3202.8500	-51.8818	-13.00	PASS
	3660.4000	-53.2386	-13.00	PASS
	4117.9500	-53.0433	-13.00	PASS
	4575.5000	-54.4154	-13.00	PASS

Analog: 482.0125 MHz, 25.0kHz Channel Spacing, Max Power
FCC Part 90, RSS119



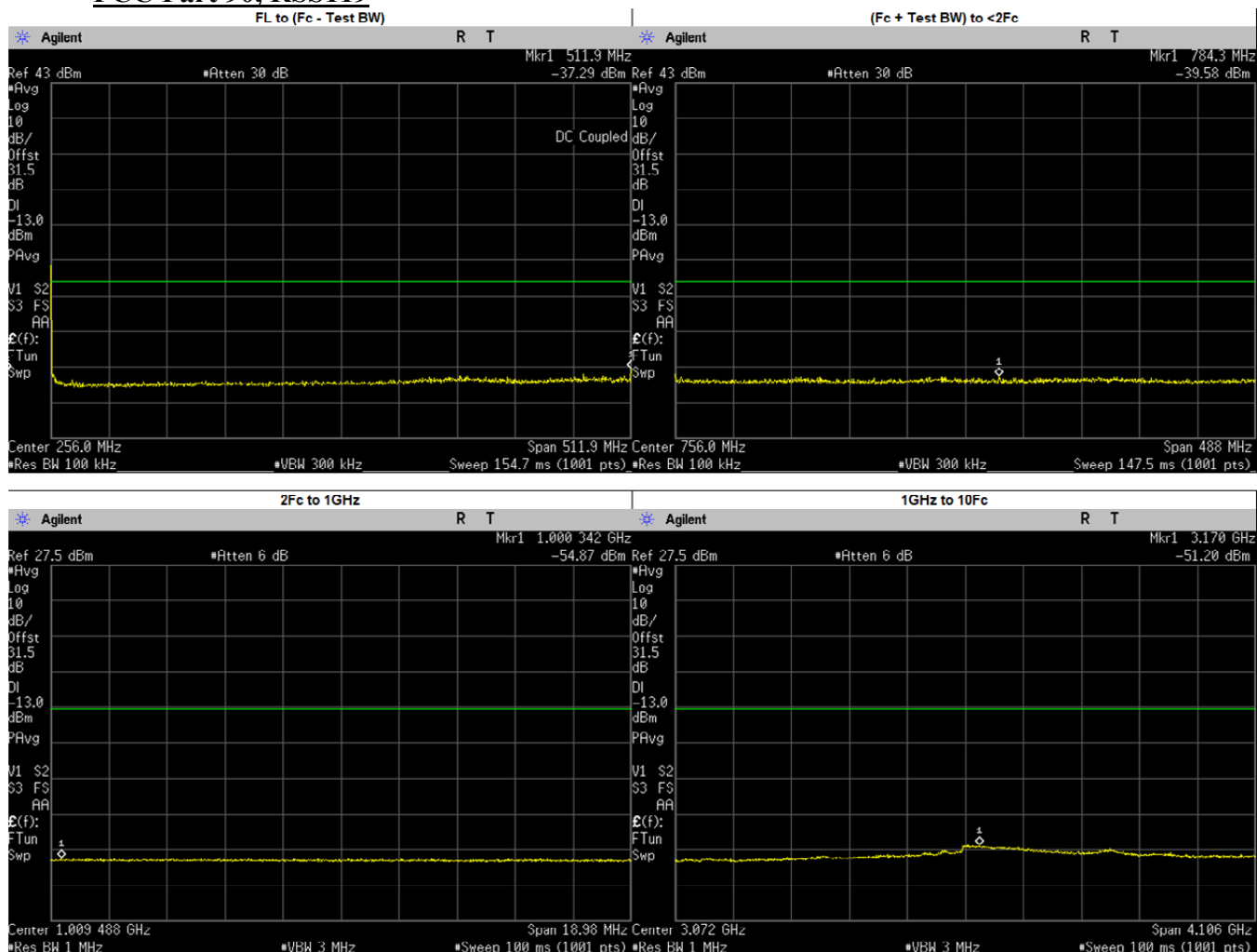
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	482.0000	-37.9170	-13.00	PASS
(Fc + Test BW) to <2Fc	852.6639	-38.8700	-13.00	PASS
2Fc to 1GHz	974.3496	-57.5000	-13.00	PASS
	964.0250	-59.9188	-13.00	PASS
1GHz to 10Fc	3096.1690	-51.2400	-13.00	PASS
	1446.0370	-55.5064	-13.00	PASS
	1928.0500	-55.0415	-13.00	PASS
	2410.0620	-54.4796	-13.00	PASS
	2892.0750	-53.4052	-13.00	PASS
	3374.0880	-51.8788	-13.00	PASS
	3856.1000	-53.4571	-13.00	PASS
	4338.1130	-53.9195	-13.00	PASS
	4820.1250	-54.3230	-13.00	PASS

Analog: 482.0125 MHz, 25.0kHz Channel Spacing, Low Power
FCC Part 90, RSS119



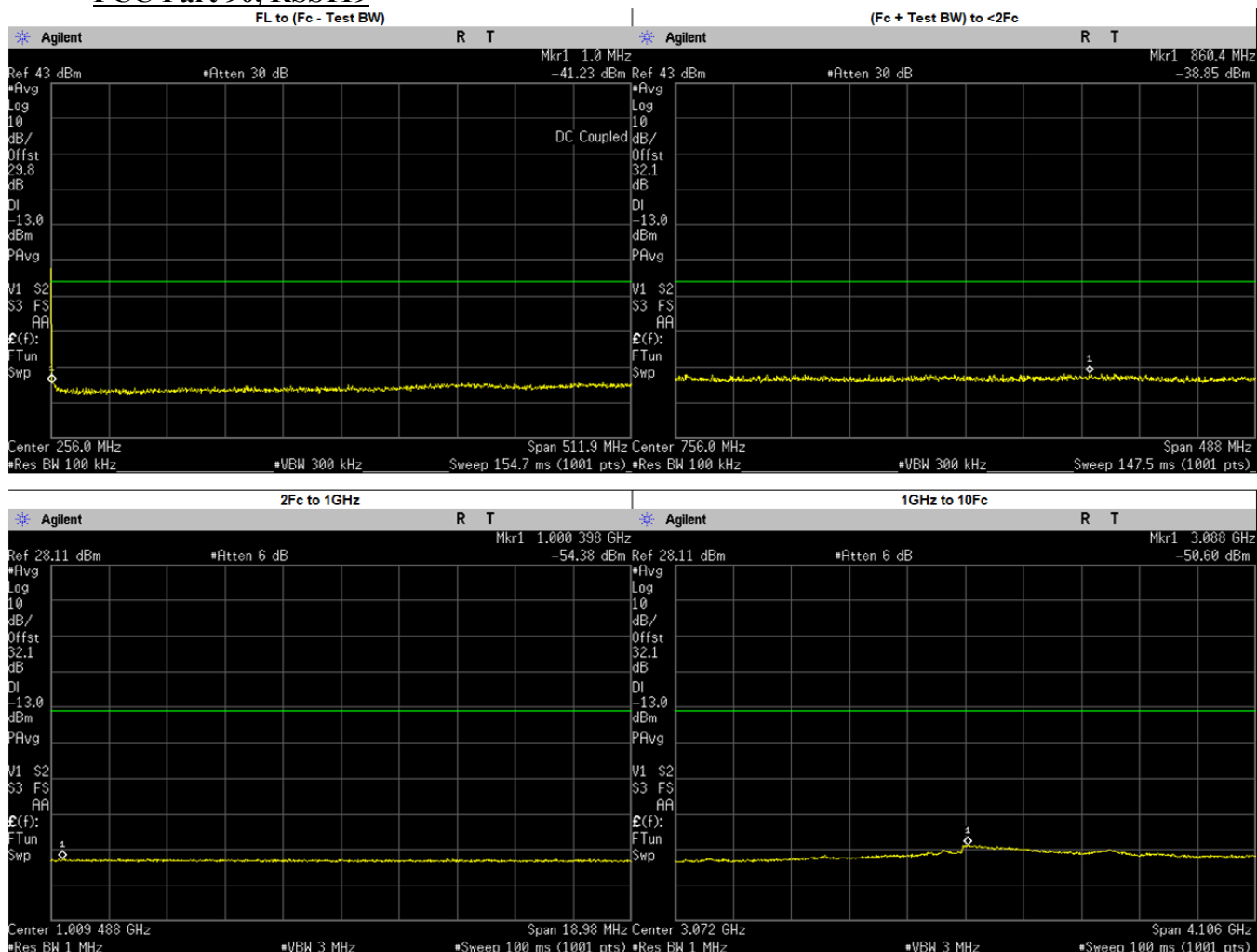
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.0000	-40.8700	-13.00	PASS
(Fc + Test BW) to <2Fc	860.7721	-39.5500	-13.00	PASS
2Fc to 1GHz	986.2734	-57.4400	-13.00	PASS
	964.0250	-60.7262	-13.00	PASS
1GHz to 10Fc	3065.5680	-51.2600	-13.00	PASS
	1446.0370	-55.7712	-13.00	PASS
	1928.0500	-55.1052	-13.00	PASS
	2410.0620	-54.6015	-13.00	PASS
	2892.0750	-53.5545	-13.00	PASS
	3374.0880	-52.2244	-13.00	PASS
	3856.1000	-53.5412	-13.00	PASS
	4338.1130	-54.0588	-13.00	PASS
	4820.1250	-54.4802	-13.00	PASS

**Analog: 511.9875 MHz, 25.0kHz Channel Spacing, Max Power
FCC Part 90, RSS119**



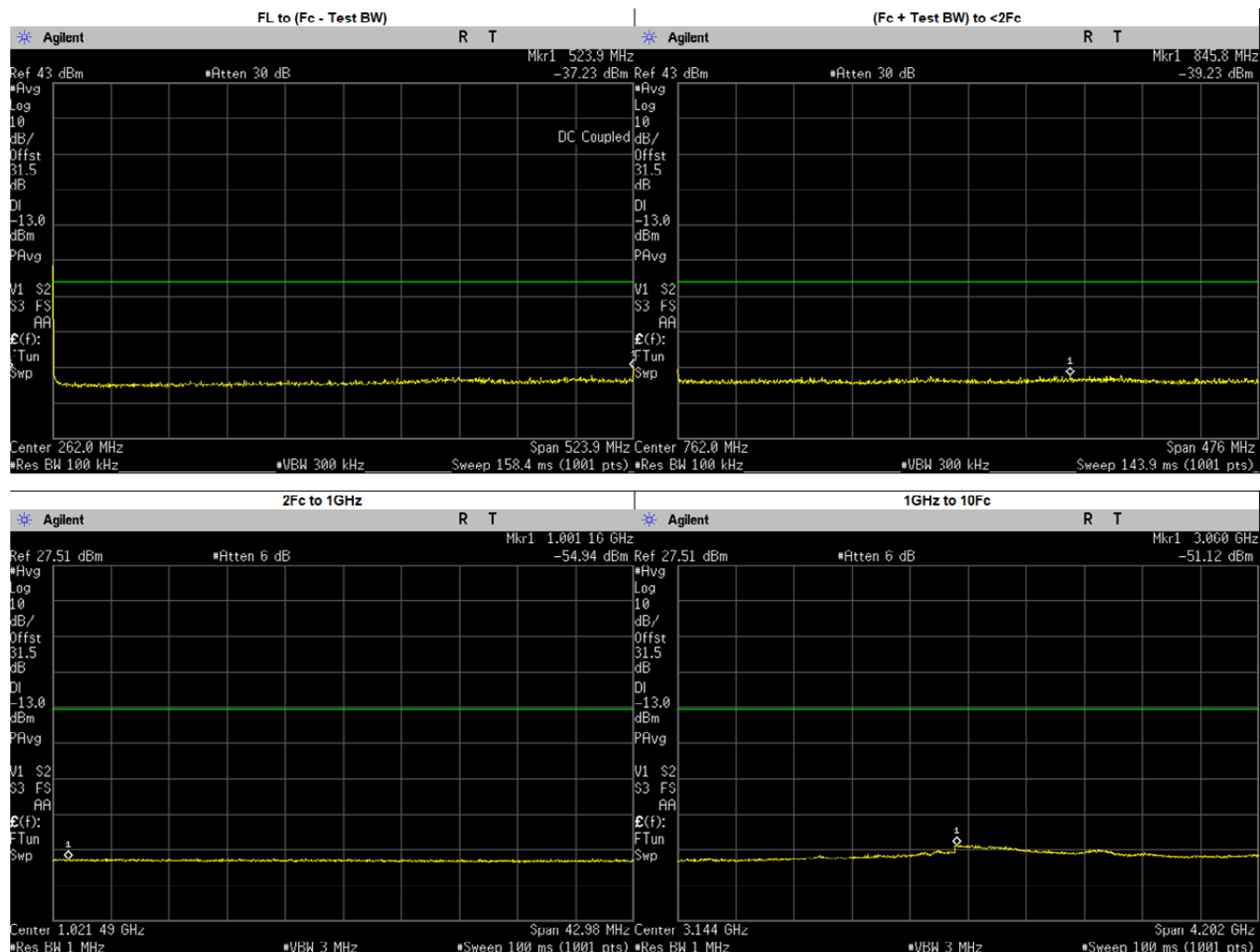
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	511.9000	-37.2900	-13.00	PASS
(Fc + Test BW) to <2Fc	784.3236	-39.5800	-13.00	PASS
2Fc to 1GHz	1000.3410	-54.8700	-13.00	PASS
1GHz to 10Fc	3170.4670	-51.2000	-13.00	PASS
	1023.9750	-55.5830	-13.00	PASS
	1535.9630	-55.3235	-13.00	PASS
	2047.9500	-54.3635	-13.00	PASS
	2559.9370	-54.0157	-13.00	PASS
	3071.9250	-51.4680	-13.00	PASS
	3583.9120	-52.7879	-13.00	PASS
	4095.9000	-52.4242	-13.00	PASS
	4607.8870	-54.2137	-13.00	PASS
	5119.8750	-54.3502	-13.00	PASS

Analog: 511.9875 MHz, 25.0kHz Channel Spacing, Low Power
FCC Part 90, RSS119



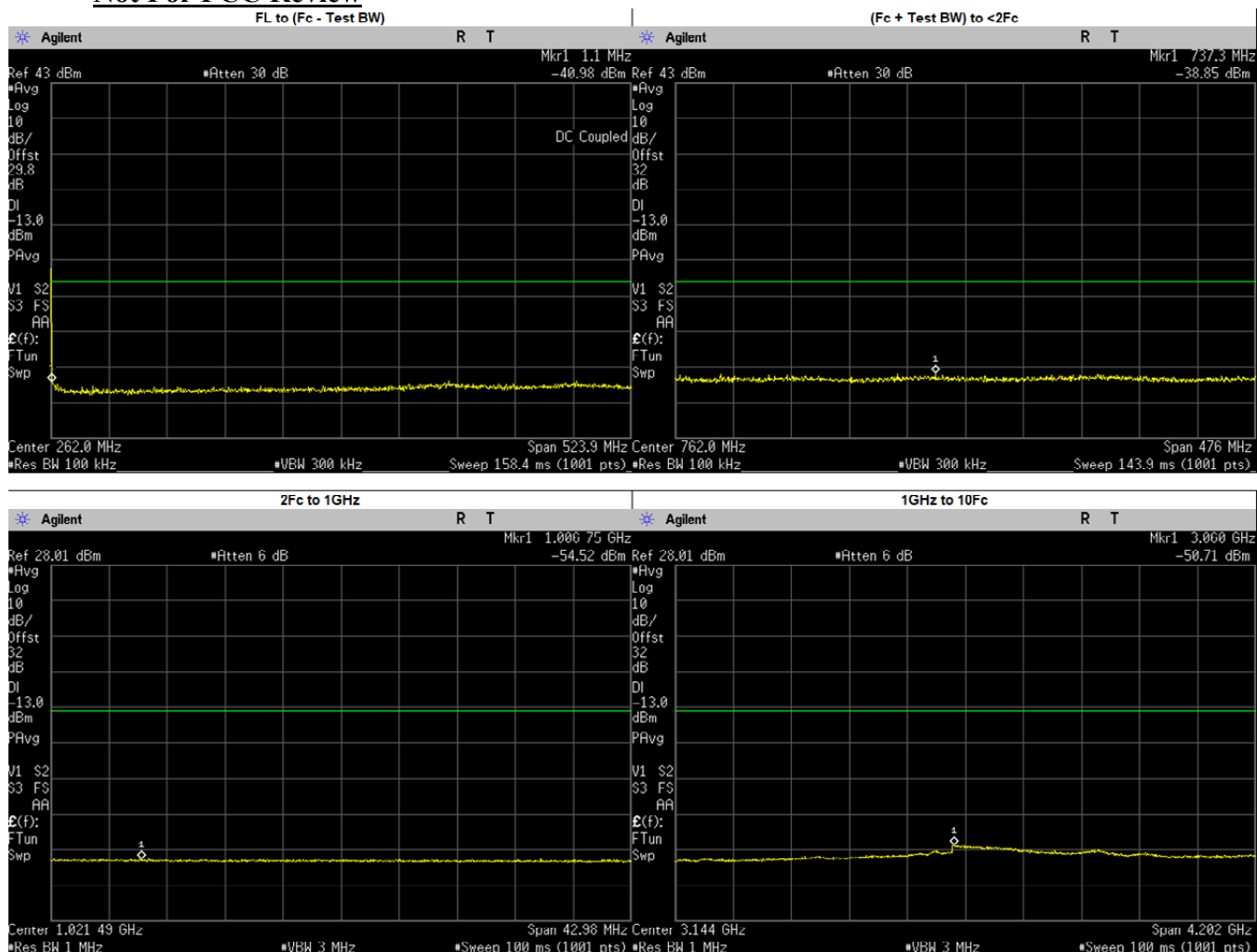
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.0000	-41.2300	-13.00	PASS
(Fc + Test BW) to <2Fc	860.4447	-38.8500	-13.00	PASS
2Fc to 1GHz	1000.3990	-54.3800	-13.00	PASS
1GHz to 10Fc	3088.3490	-50.6000	-13.00	PASS
	1023.9750	-55.0565	-13.00	PASS
	1535.9630	-54.5589	-13.00	PASS
	2047.9500	-54.0413	-13.00	PASS
	2559.9370	-53.6308	-13.00	PASS
	3071.9250	-50.9640	-13.00	PASS
	3583.9120	-52.0663	-13.00	PASS
	4095.9000	-52.1365	-13.00	PASS
	4607.8870	-53.3228	-13.00	PASS
	5119.8750	-53.6429	-13.00	PASS

Analog: 523.9875 MHz, 25.0kHz Channel Spacing, Max Power
Not For FCC Review



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	523.9000	-37.2310	-13.00	PASS
(Fc + Test BW) to <2Fc	845.7904	-39.2300	-13.00	PASS
2Fc to 1GHz	1001.1600	-54.9400	-13.00	PASS
1GHz to 10Fc	3059.8870	-51.1200	-13.00	PASS
	1047.9750	-55.5833	-13.00	PASS
	1571.9630	-55.3586	-13.00	PASS
	2095.9500	-54.5109	-13.00	PASS
	2619.9370	-54.2596	-13.00	PASS
	3143.9250	-51.5810	-13.00	PASS
	3667.9120	-53.0947	-13.00	PASS
	4191.9000	-53.3738	-13.00	PASS
	4715.8870	-54.3982	-13.00	PASS
	5239.8750	-54.0263	-13.00	PASS

Analog: 523.9875 MHz, 25.0kHz Channel Spacing, Low Power
Not For FCC Review

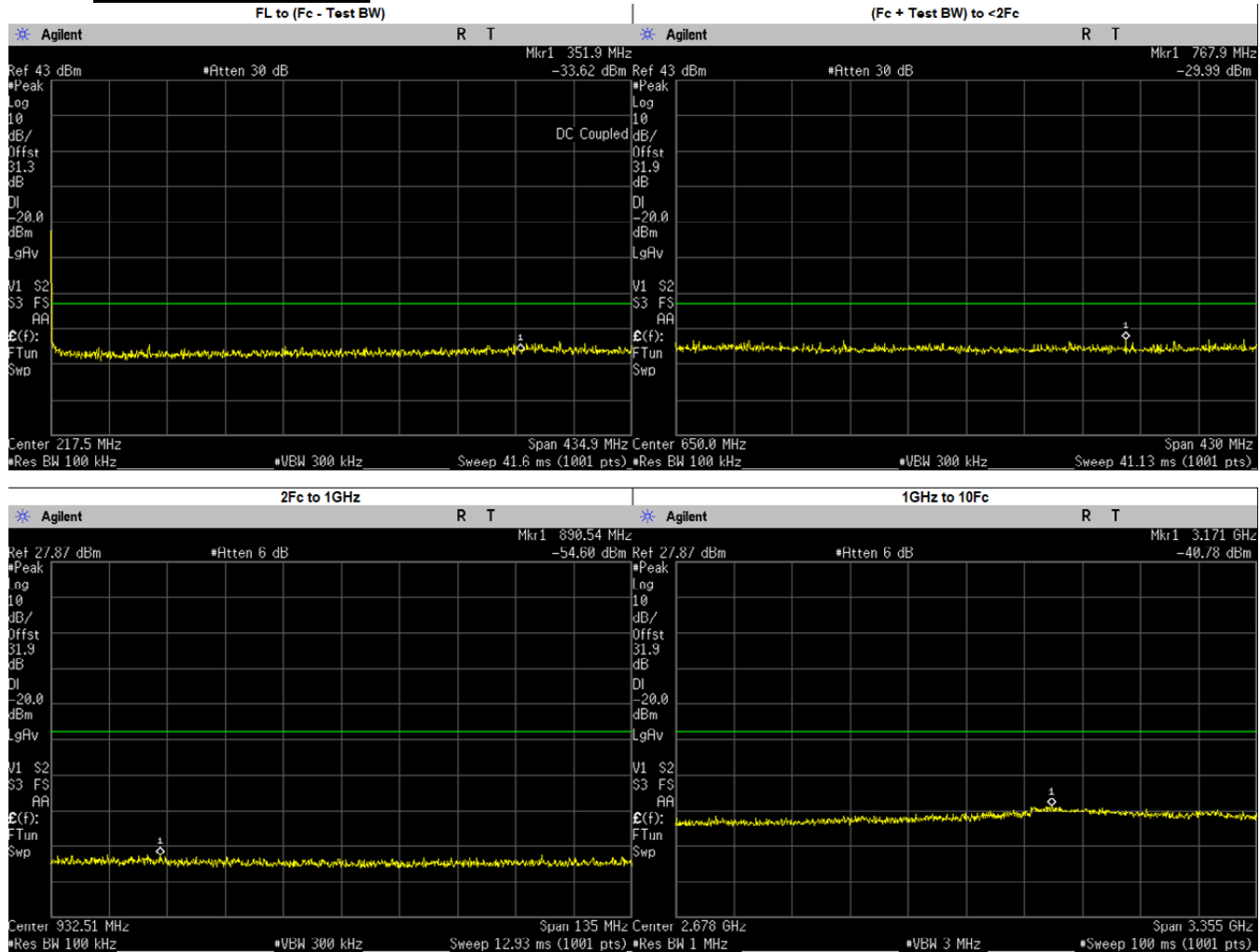


Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.1000	-40.9800	-13.00	PASS
(Fc + Test BW) to <2Fc	737.2725	-38.8500	-13.00	PASS
2Fc to 1GHz	1006.7470	-54.5200	-13.00	PASS
1GHz to 10Fc	3059.8870	-50.7100	-13.00	PASS
	1047.9750	-55.2013	-13.00	PASS
	1571.9630	-55.1078	-13.00	PASS
	2095.9500	-54.1464	-13.00	PASS
	2619.9370	-53.6225	-13.00	PASS
	3143.9250	-51.2940	-13.00	PASS
	3667.9120	-52.3815	-13.00	PASS
	4191.9000	-52.9987	-13.00	PASS
	4715.8870	-53.9138	-13.00	PASS
	5239.8750	-53.3629	-13.00	PASS

6.10.3. Test Result (Digital)

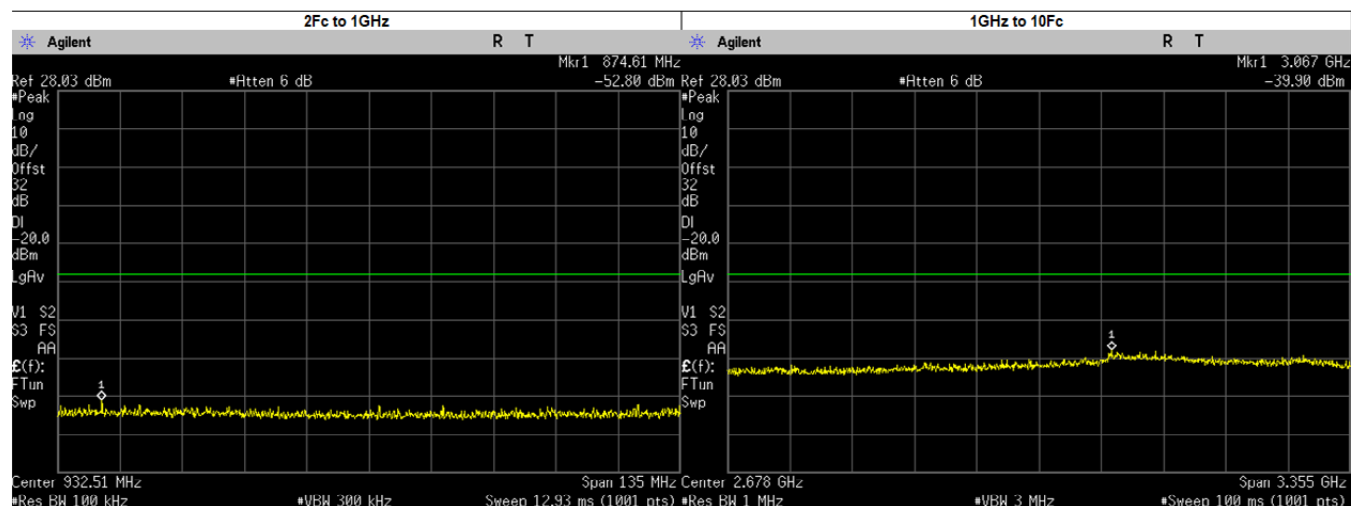
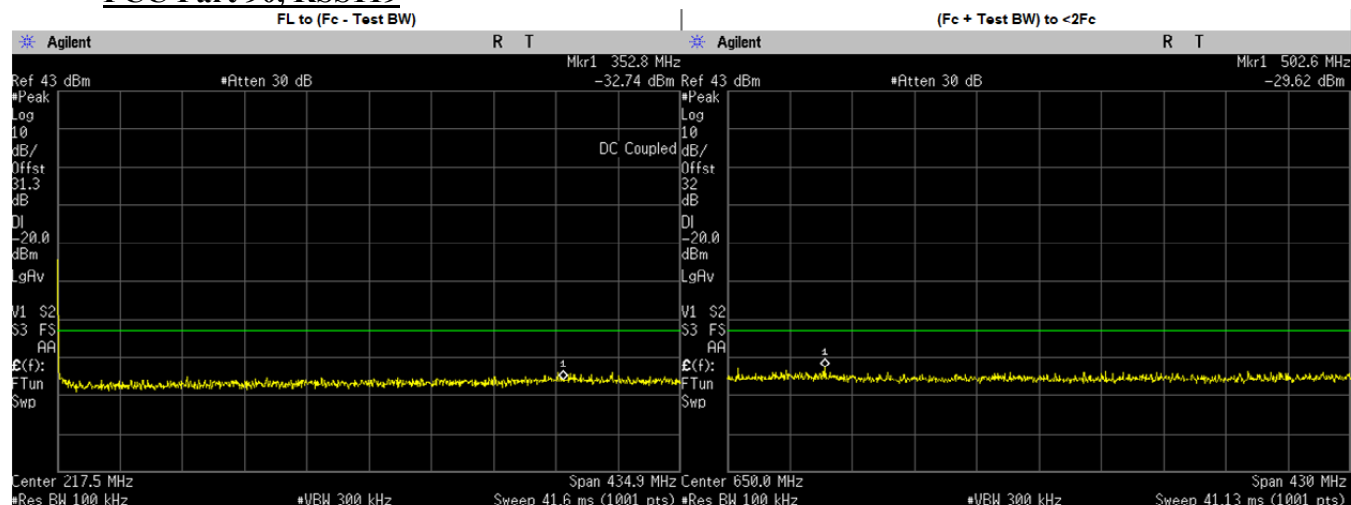
C4FM: 435.0125 MHz, 12.5 kHz Channel Spacing, Max Power

FCC Part 90, RSS119



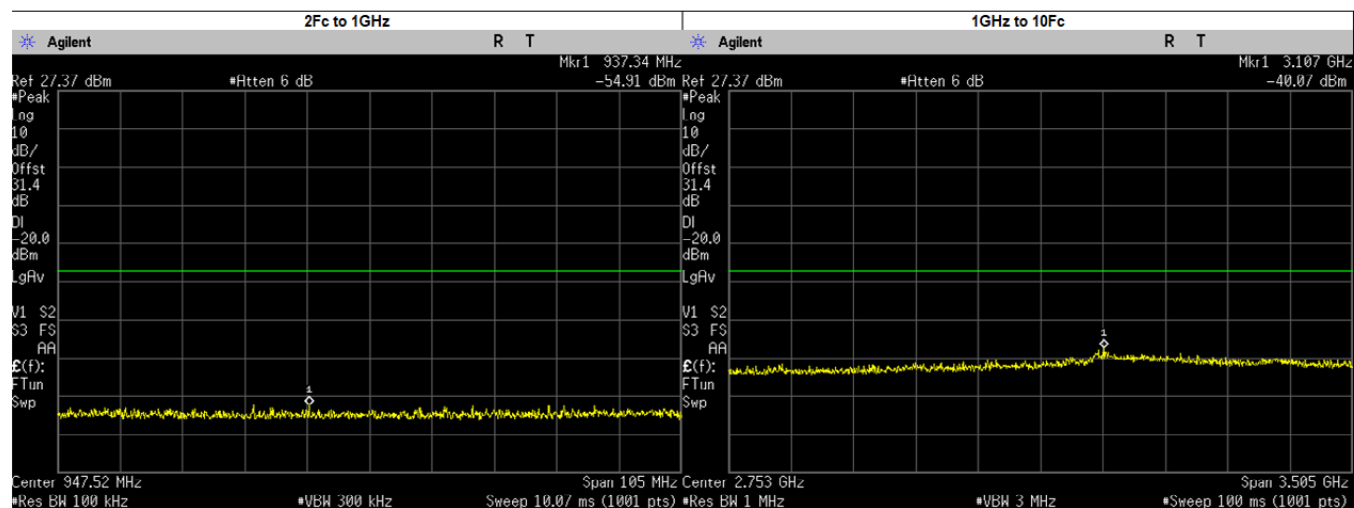
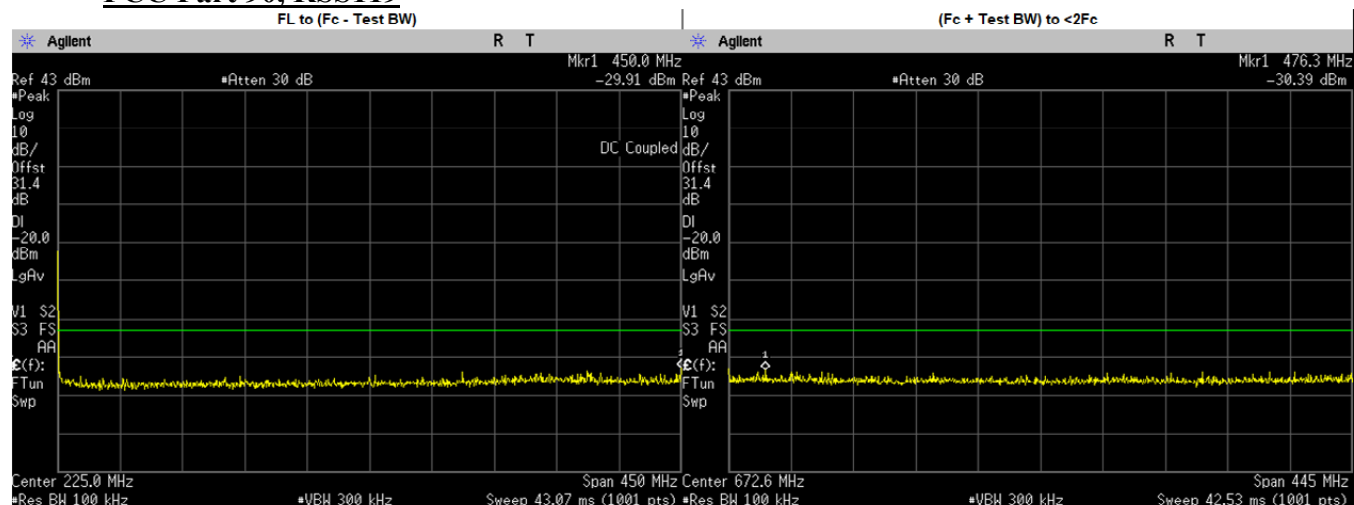
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	351.9000	-33.6170	-20.00	PASS
(Fc + Test BW) to <2Fc	767.8547	-29.9900	-20.00	PASS
2Fc to 1GHz	890.5353	-54.6000	-20.00	PASS
	870.0250	-55.0650	-20.00	PASS
1GHz to 10Fc	3170.7660	-40.7800	-20.00	PASS
	1305.0370	-45.1955	-20.00	PASS
	1740.0500	-45.4402	-20.00	PASS
	2175.0620	-44.7537	-20.00	PASS
	2610.0750	-44.6310	-20.00	PASS
	3045.0880	-43.6743	-20.00	PASS
	3480.1000	-43.0658	-20.00	PASS
	3915.1130	-43.6979	-20.00	PASS
	4350.1250	-44.2957	-20.00	PASS

C4FM: 435.0125 MHz, 12.5 kHz Channel Spacing, Low Power
FCC Part 90, RSS119



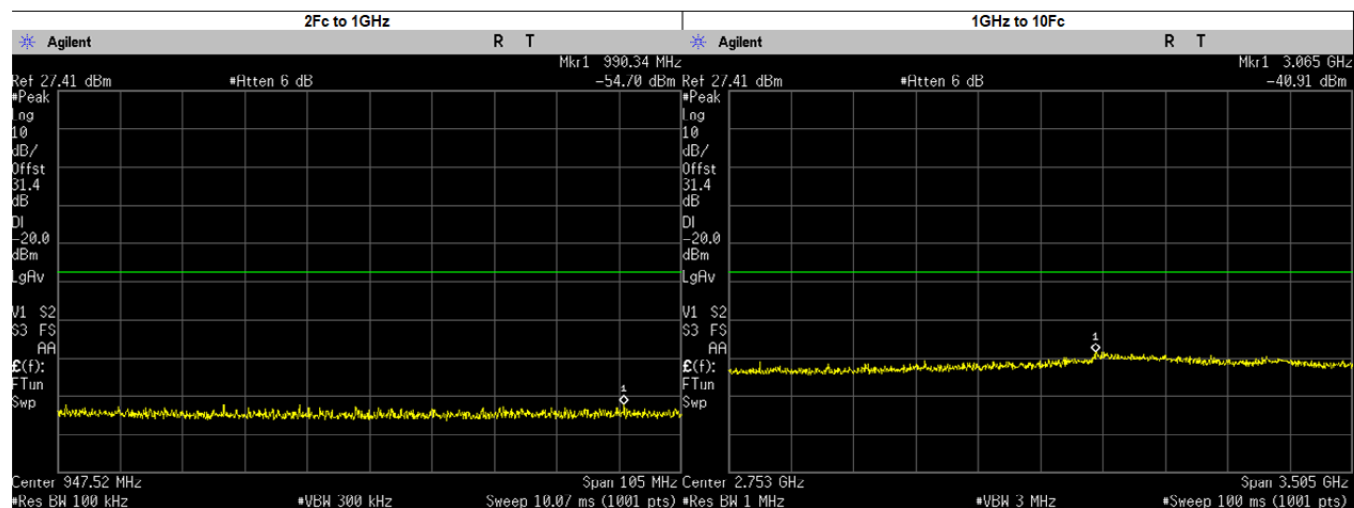
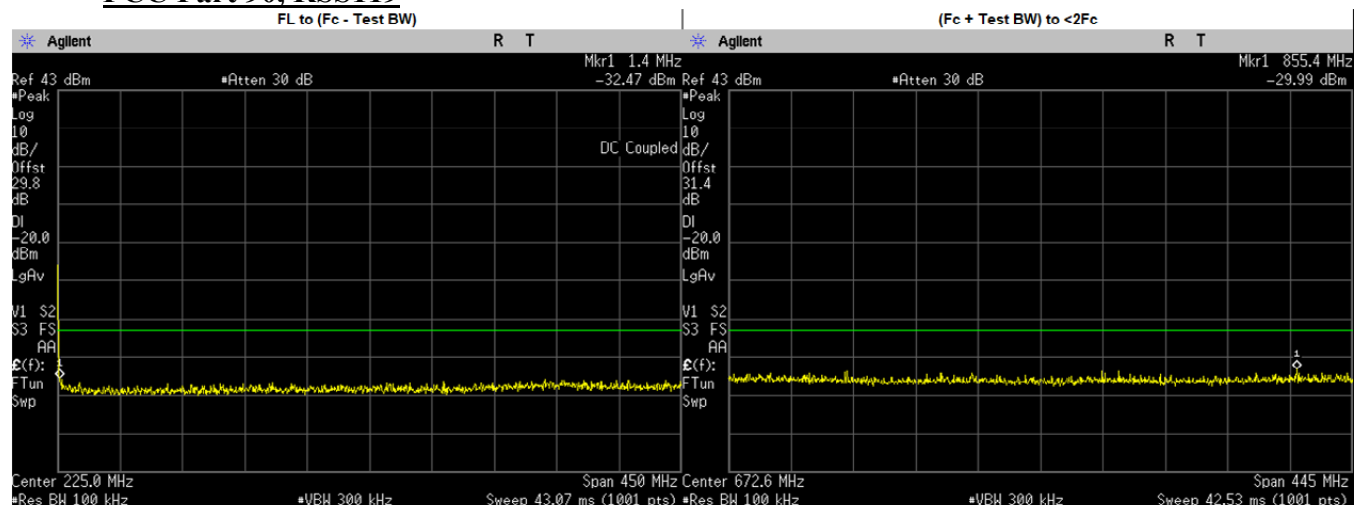
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	352.8000	-32.7450	-20.00	PASS
(Fc + Test BW) to <2Fc	502.5714	-29.6200	-20.00	PASS
2Fc to 1GHz	874.6082	-52.8000	-20.00	PASS
	870.0250	-56.2683	-20.00	PASS
1GHz to 10Fc	1305.0370	-45.2810	-20.00	PASS
	1740.0500	-44.9777	-20.00	PASS
	2175.0620	-44.7326	-20.00	PASS
	2610.0750	-44.0181	-20.00	PASS
	3045.0880	-42.7380	-20.00	PASS
	3480.1000	-42.6358	-20.00	PASS
	3915.1130	-43.1986	-20.00	PASS
	4350.1250	-43.5160	-20.00	PASS
	3066.7570	-39.9100	-20.00	PASS

C4FM: 450.025 MHz, 12.5 kHz Channel Spacing, Max Power
FCC Part 90, RSS119



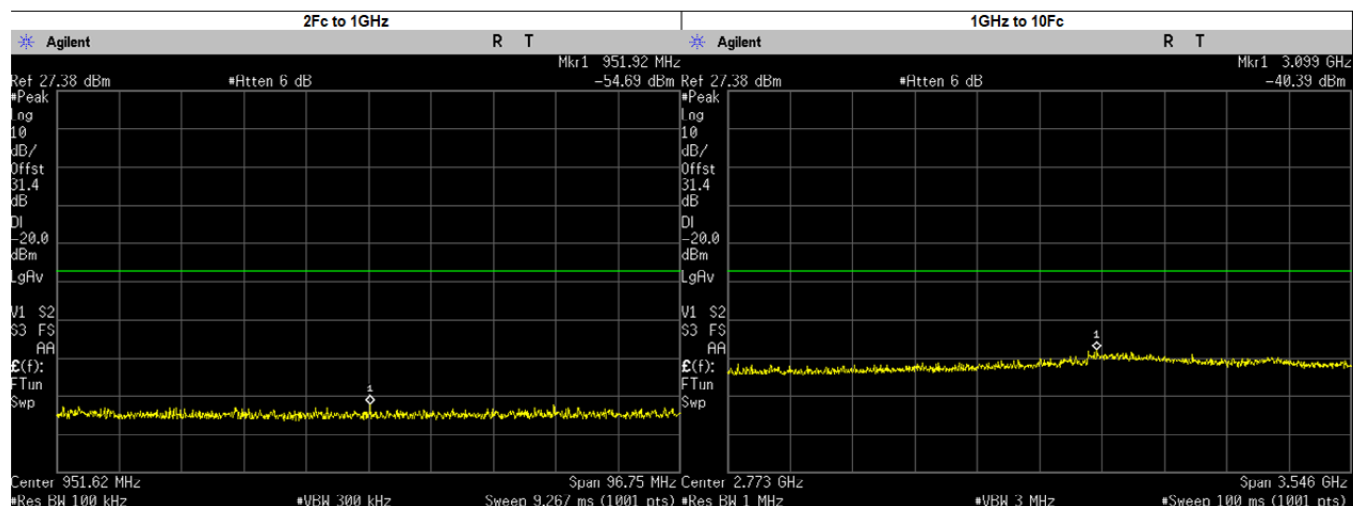
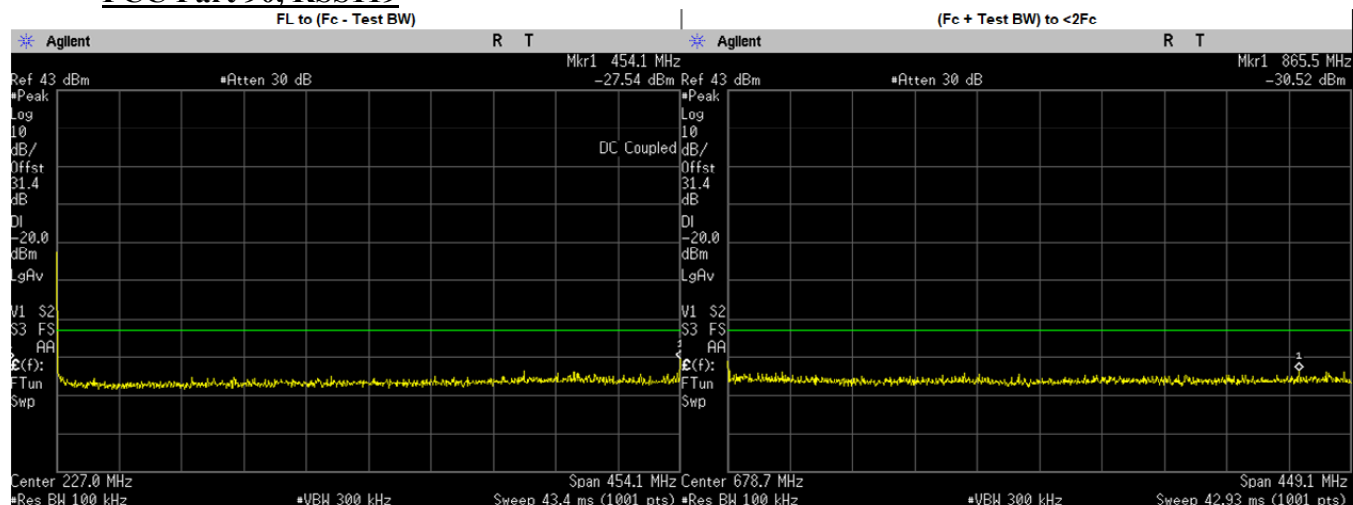
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	450.0000	-29.9050	-20.00	PASS
(Fc + Test BW) to <2Fc	476.3349	-30.3900	-20.00	PASS
2Fc to 1GHz	937.3448	-54.9100	-20.00	PASS
	900.0500	-57.5141	-20.00	PASS
1GHz to 10Fc	3106.6550	-40.0700	-20.00	PASS
	1350.0750	-45.6251	-20.00	PASS
	1800.1000	-45.6260	-20.00	PASS
	2250.1250	-45.1525	-20.00	PASS
	2700.1500	-44.8724	-20.00	PASS
	3150.1750	-42.1743	-20.00	PASS
	3600.2000	-43.5202	-20.00	PASS
	4050.2250	-43.7883	-20.00	PASS
	4500.2500	-44.8241	-20.00	PASS

C4FM: 450.025 MHz, 12.5 kHz Channel Spacing, Low Power
FCC Part 90, RSS119



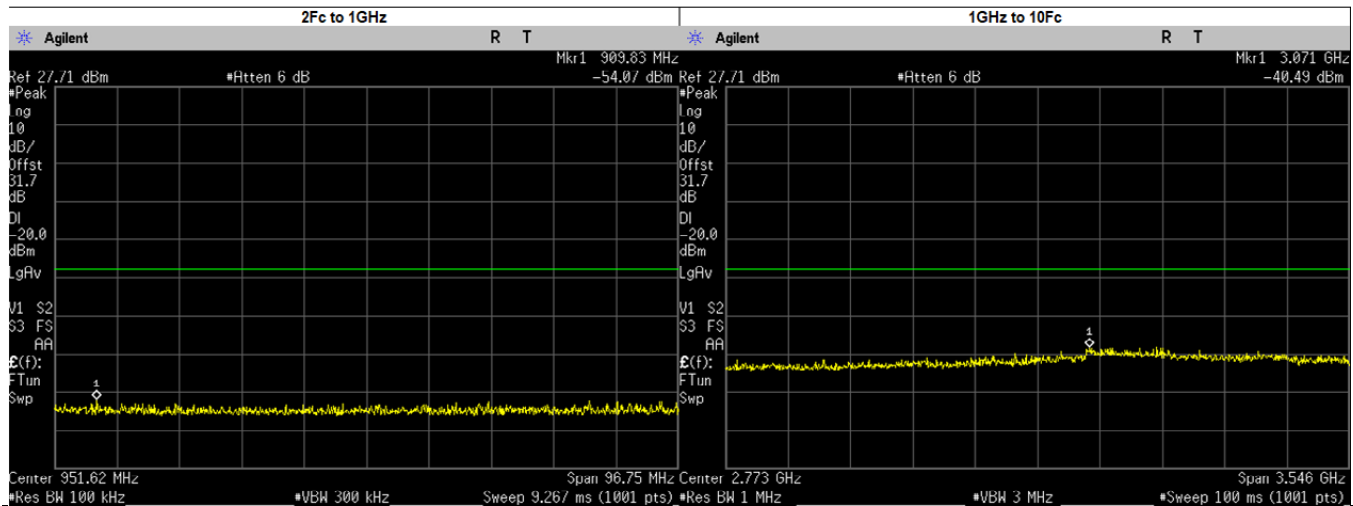
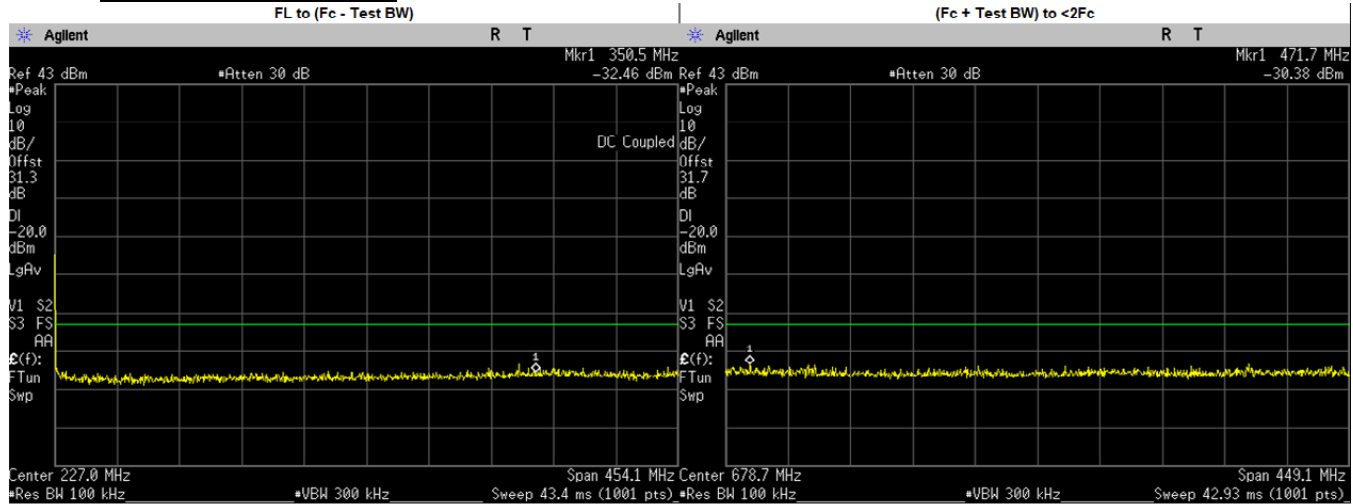
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.4000	-32.4690	-20.00	PASS
(Fc + Test BW) to <2Fc	855.4478	-29.9900	-20.00	PASS
2Fc to 1GHz	990.3446	-54.7000	-20.00	PASS
	900.0500	-57.6614	-20.00	PASS
1GHz to 10Fc	3064.5920	-40.9100	-20.00	PASS
	1350.0750	-46.3632	-20.00	PASS
	1800.1000	-45.4947	-20.00	PASS
	2250.1250	-45.3326	-20.00	PASS
	2700.1500	-45.3522	-20.00	PASS
	3150.1750	-41.9667	-20.00	PASS
	3600.2000	-42.9457	-20.00	PASS
	4050.2250	-43.8430	-20.00	PASS
	4500.2500	-45.0063	-20.00	PASS

**C4FM: 454.125 MHz, 12.5 kHz Channel Spacing, Max Power
FCC Part 90, RSS119**



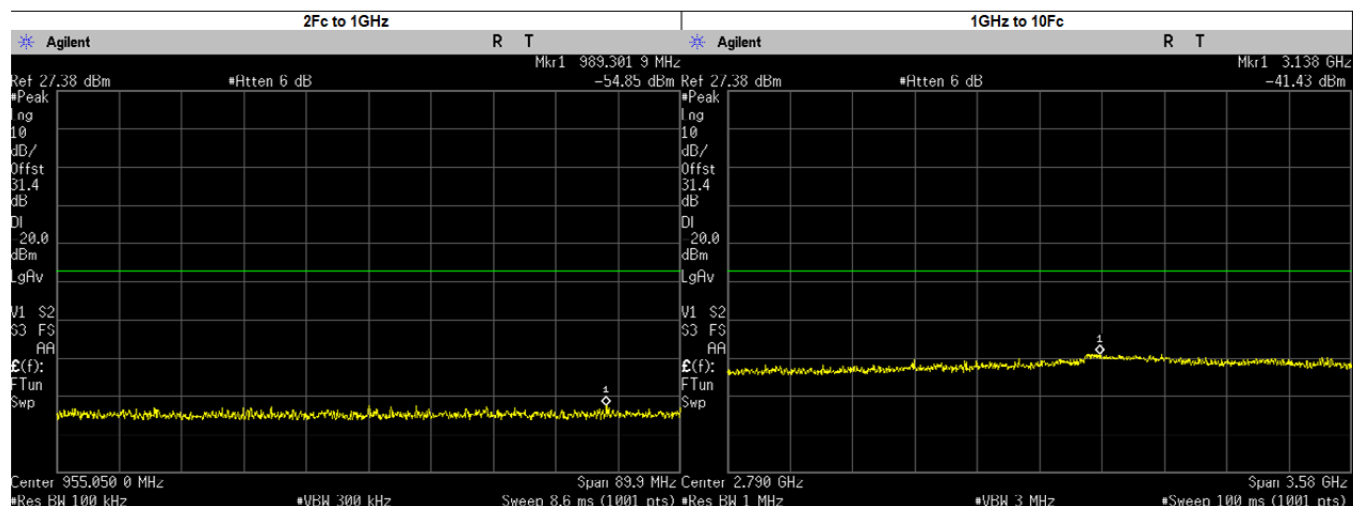
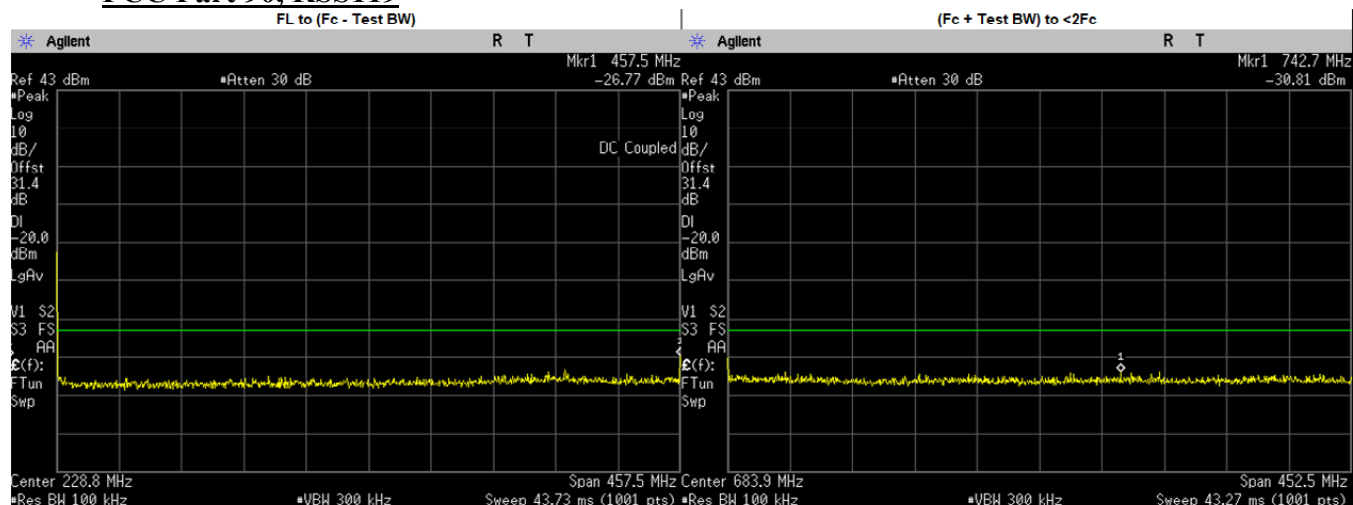
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	454.1000	-27.5440	-20.00	PASS
(Fc + Test BW) to <2Fc	865.5283	-30.5200	-20.00	PASS
2Fc to 1GHz	951.9153	-54.6900	-20.00	PASS
	908.2500	-57.4591	-20.00	PASS
1GHz to 10Fc	3099.3800	-40.3900	-20.00	PASS
	1362.3750	-45.7778	-20.00	PASS
	1816.5000	-45.9942	-20.00	PASS
	2270.6250	-45.4804	-20.00	PASS
	2724.7500	-44.5227	-20.00	PASS
	3178.8750	-41.8363	-20.00	PASS
	3633.0000	-43.6681	-20.00	PASS
	4087.1250	-43.2028	-20.00	PASS
	4541.2500	-44.6127	-20.00	PASS

C4FM: 454.125 MHz, 12.5 kHz Channel Spacing, Low Power
FCC Part 90, RSS119



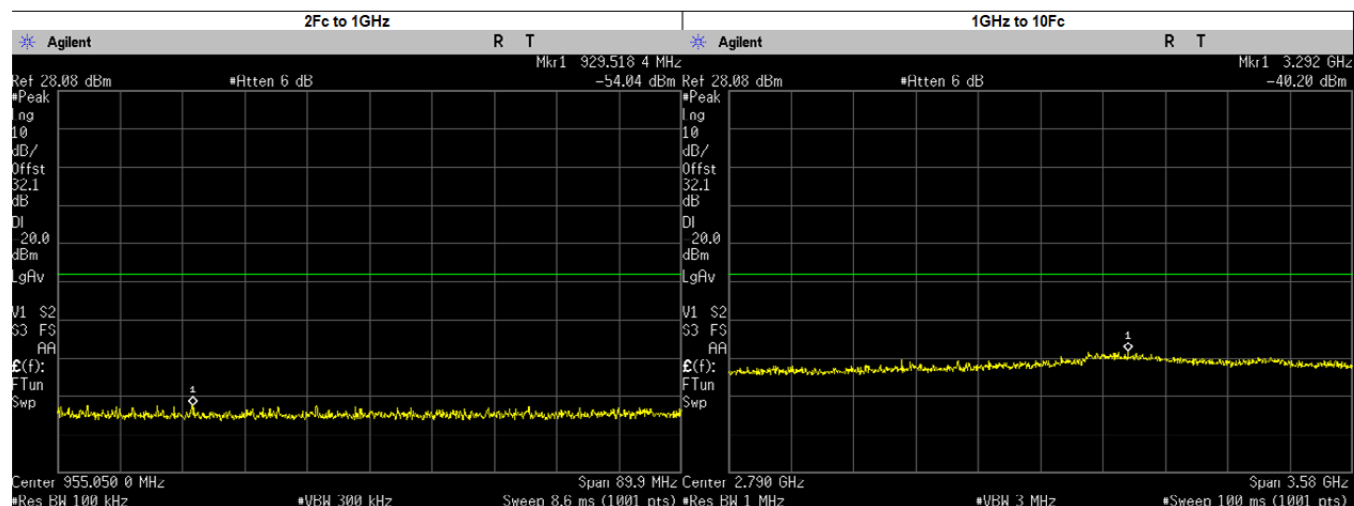
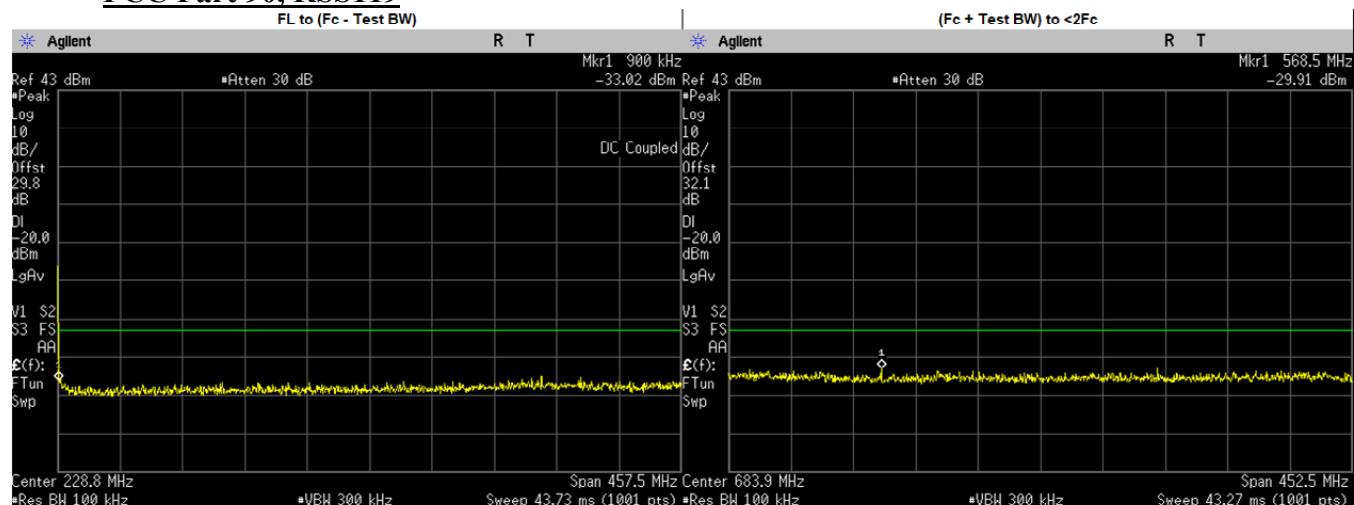
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	350.5000	-32.4580	-20.00	PASS
(Fc + Test BW) to <2Fc	471.6955	-30.3800	-20.00	PASS
2Fc to 1GHz	909.8290	-54.0700	-20.00	PASS
	908.2500	-57.6809	-20.00	PASS
1GHz to 10Fc	3071.0100	-40.4900	-20.00	PASS
	1362.3750	-45.0123	-20.00	PASS
	1816.5000	-44.2454	-20.00	PASS
	2270.6250	-45.4796	-20.00	PASS
	2724.7500	-44.1998	-20.00	PASS
	3178.8750	-42.3342	-20.00	PASS
	3633.0000	-42.4639	-20.00	PASS
	4087.1250	-42.7176	-20.00	PASS
	4541.2500	-44.4159	-20.00	PASS

**C4FM: 457.55 MHz, 12.5 kHz Channel Spacing, Max Power
FCC Part 90, RSS119**



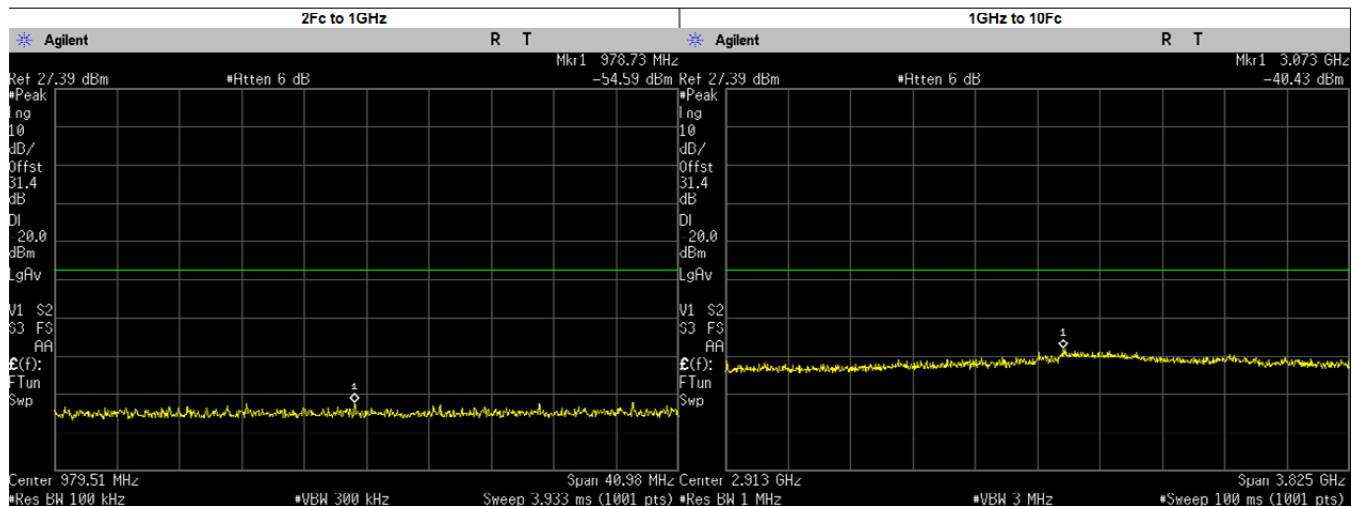
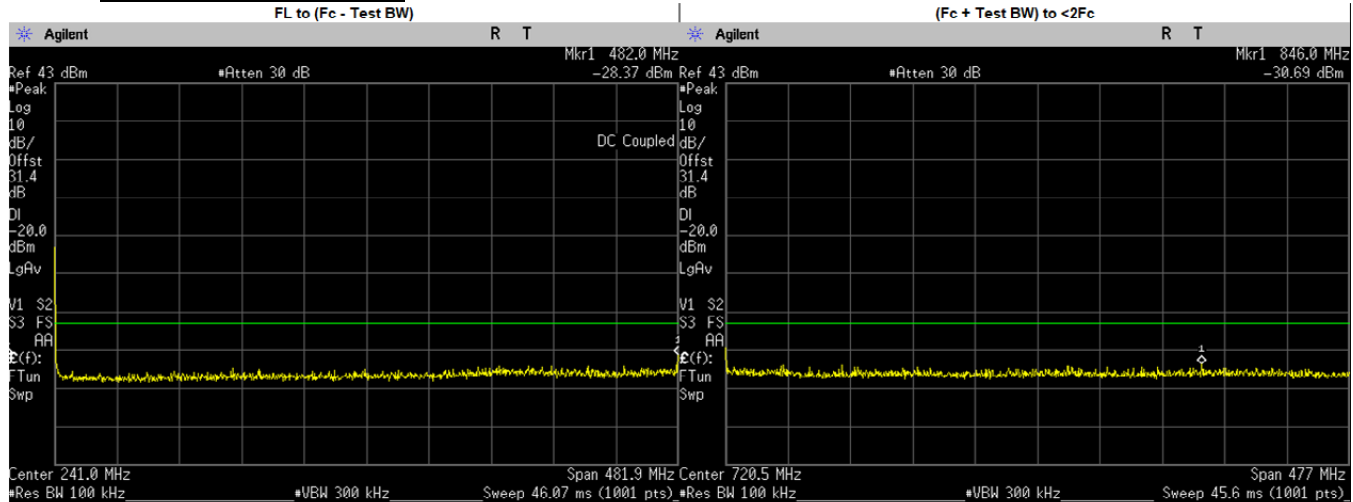
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	457.5000	-26.7670	-20.00	PASS
(Fc + Test BW) to <2Fc	742.6775	-30.8100	-20.00	PASS
2Fc to 1GHz	989.3019	-54.8500	-20.00	PASS
	915.1000	-56.8965	-20.00	PASS
1GHz to 10Fc	3137.5590	-41.4300	-20.00	PASS
	1372.6500	-45.6740	-20.00	PASS
	1830.2000	-45.5342	-20.00	PASS
	2287.7500	-45.7898	-20.00	PASS
	2745.3000	-44.0776	-20.00	PASS
	3202.8500	-42.6628	-20.00	PASS
	3660.4000	-44.4525	-20.00	PASS
	4117.9500	-43.3039	-20.00	PASS
	4575.5000	-44.3107	-20.00	PASS

C4FM: 457.55 MHz, 12.5 kHz Channel Spacing, Low Power
FCC Part 90, RSS119



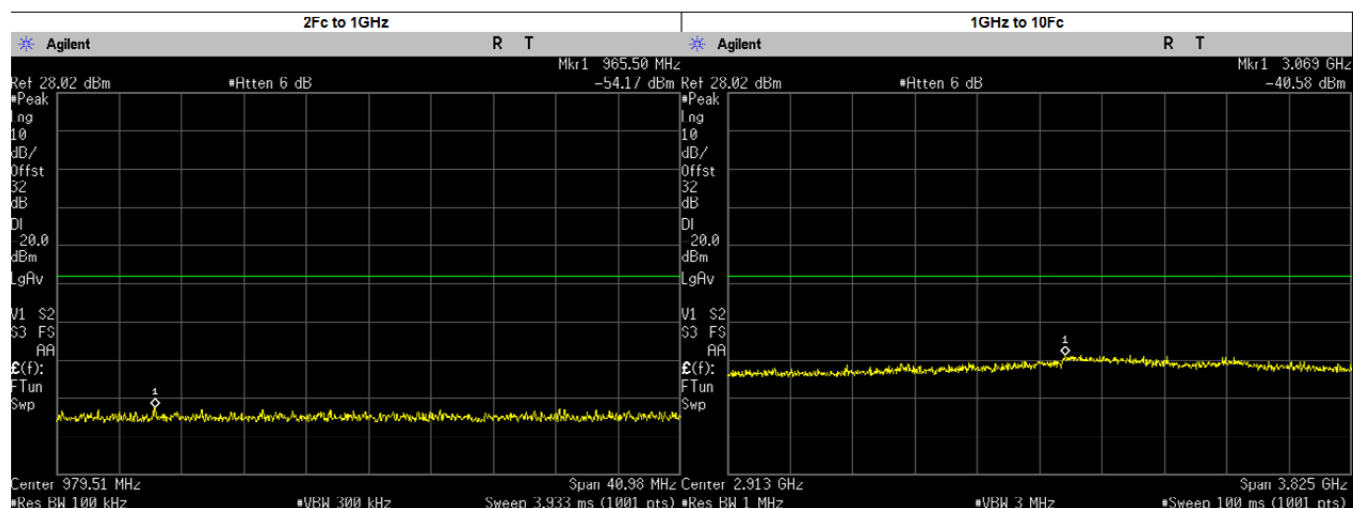
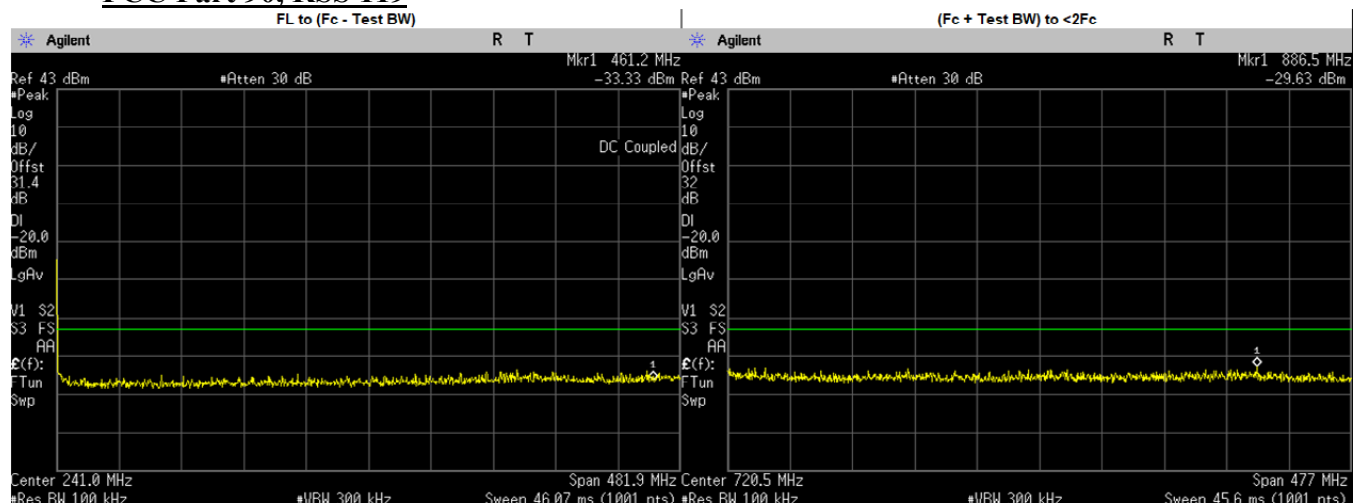
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9000	-33.0180	-20.00	PASS
(Fc + Test BW) to <2Fc	568.4676	-29.9100	-20.00	PASS
2Fc to 1GHz	929.5184	-54.0400	-20.00	PASS
	915.1000	-56.6670	-20.00	PASS
1GHz to 10Fc	3291.5200	-40.2000	-20.00	PASS
	1372.6500	-45.4431	-20.00	PASS
	1830.2000	-45.4168	-20.00	PASS
	2287.7500	-44.8983	-20.00	PASS
	2745.3000	-43.8516	-20.00	PASS
	3202.8500	-41.5329	-20.00	PASS
	3660.4000	-43.0731	-20.00	PASS
	4117.9500	-42.6864	-20.00	PASS
	4575.5000	-44.0812	-20.00	PASS

**C4FM: 482.0125 MHz, 12.5 kHz Channel Spacing, Max Power
FCC Part 90, RSS 119**



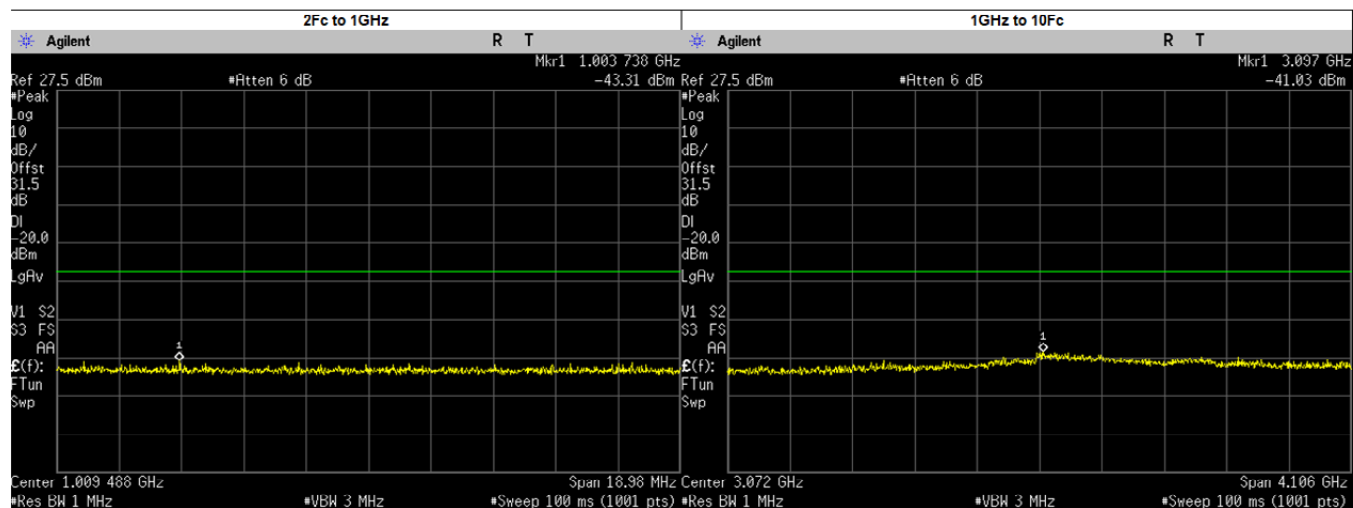
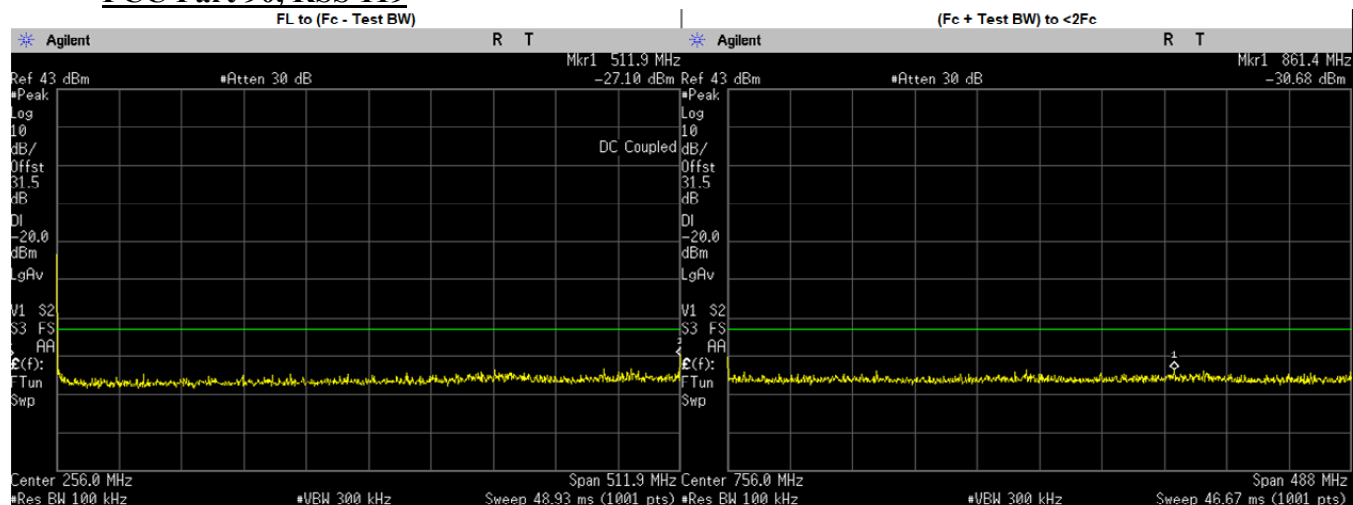
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	482.0000	-28.3740	-20.00	PASS
(Fc + Test BW) to <2Fc	845.9865	-30.6900	-20.00	PASS
2Fc to 1GHz	978.7340	-54.5900	-20.00	PASS
	964.0250	-57.7347	-20.00	PASS
1GHz to 10Fc	3073.2180	-40.4300	-20.00	PASS
	1446.0370	-46.4051	-20.00	PASS
	1928.0500	-45.7255	-20.00	PASS
	2410.0620	-44.9022	-20.00	PASS
	2892.0750	-44.7296	-20.00	PASS
	3374.0880	-42.6343	-20.00	PASS
	3856.1000	-43.9063	-20.00	PASS
	4338.1130	-44.7271	-20.00	PASS
	4820.1250	-45.2640	-20.00	PASS

C4FM: 482.0125 MHz, 12.5 kHz Channel Spacing, Low Power
FCC Part 90, RSS 119



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	461.2000	-33.3310	-20.00	PASS
(Fc + Test BW) to <2Fc	886.5277	-29.6300	-20.00	PASS
2Fc to 1GHz	965.4991	-54.1700	-20.00	PASS
	964.0250	-57.0634	-20.00	PASS
1GHz to 10Fc	3069.3930	-40.5800	-20.00	PASS
	1446.0370	-45.4459	-20.00	PASS
	1928.0500	-45.2001	-20.00	PASS
	2410.0620	-44.5868	-20.00	PASS
	2892.0750	-43.2148	-20.00	PASS
	3374.0880	-41.8419	-20.00	PASS
	3856.1000	-43.4004	-20.00	PASS
	4338.1130	-43.8103	-20.00	PASS
	4820.1250	-43.5603	-20.00	PASS

**C4FM: 511.9875 MHz, 12.5 kHz Channel Spacing, Max Power
FCC Part 90, RSS 119**



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	511.9000	-27.1030	-20.00	PASS
(Fc + Test BW) to <2Fc	861.4206	-30.6800	-20.00	PASS
2Fc to 1GHz	1003.7380	-43.3100	-20.00	PASS
1GHz to 10Fc	3096.5600	-41.0300	-20.00	PASS
	1023.9750	-45.6976	-20.00	PASS
	1535.9630	-46.3398	-20.00	PASS
	2047.9500	-44.3924	-20.00	PASS
	2559.9370	-44.4545	-20.00	PASS
	3071.9250	-41.4240	-20.00	PASS
	3583.9120	-43.2295	-20.00	PASS
	4095.9000	-43.3738	-20.00	PASS
	4607.8870	-44.7431	-20.00	PASS
	5119.8750	-44.9482	-20.00	PASS