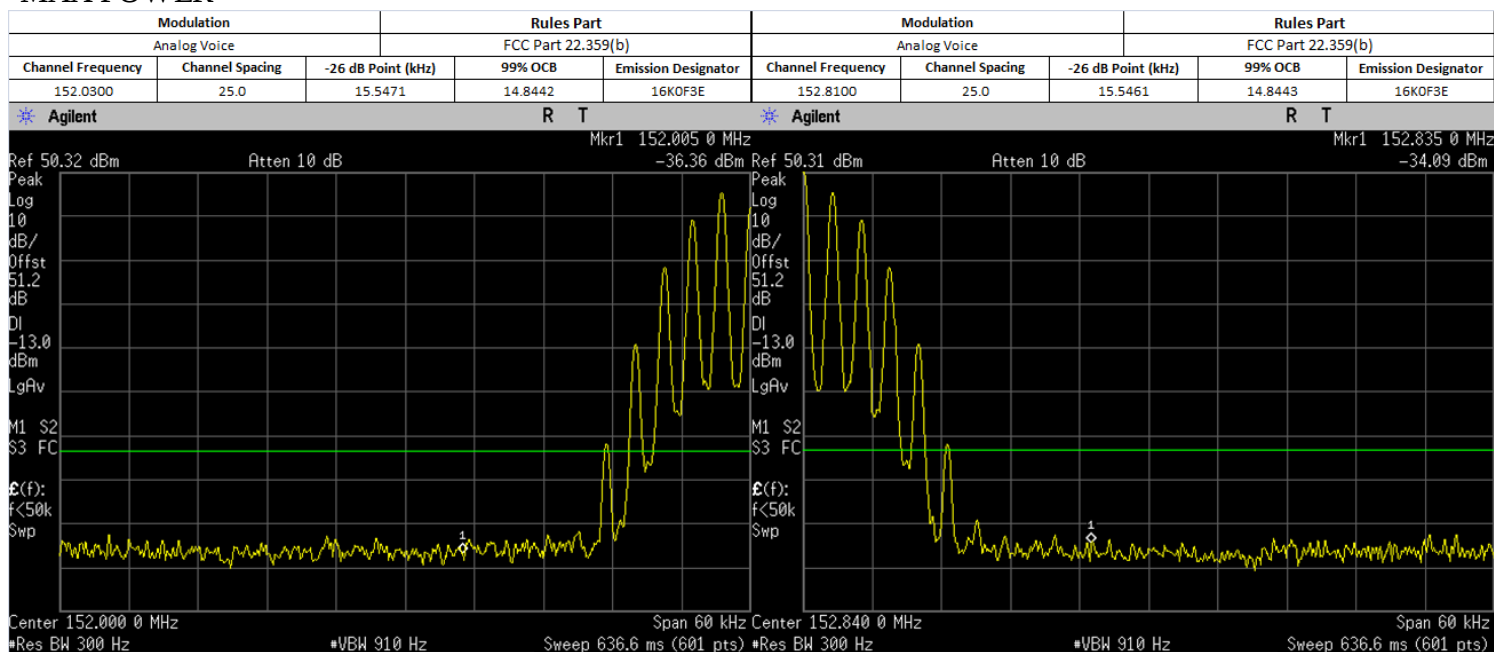
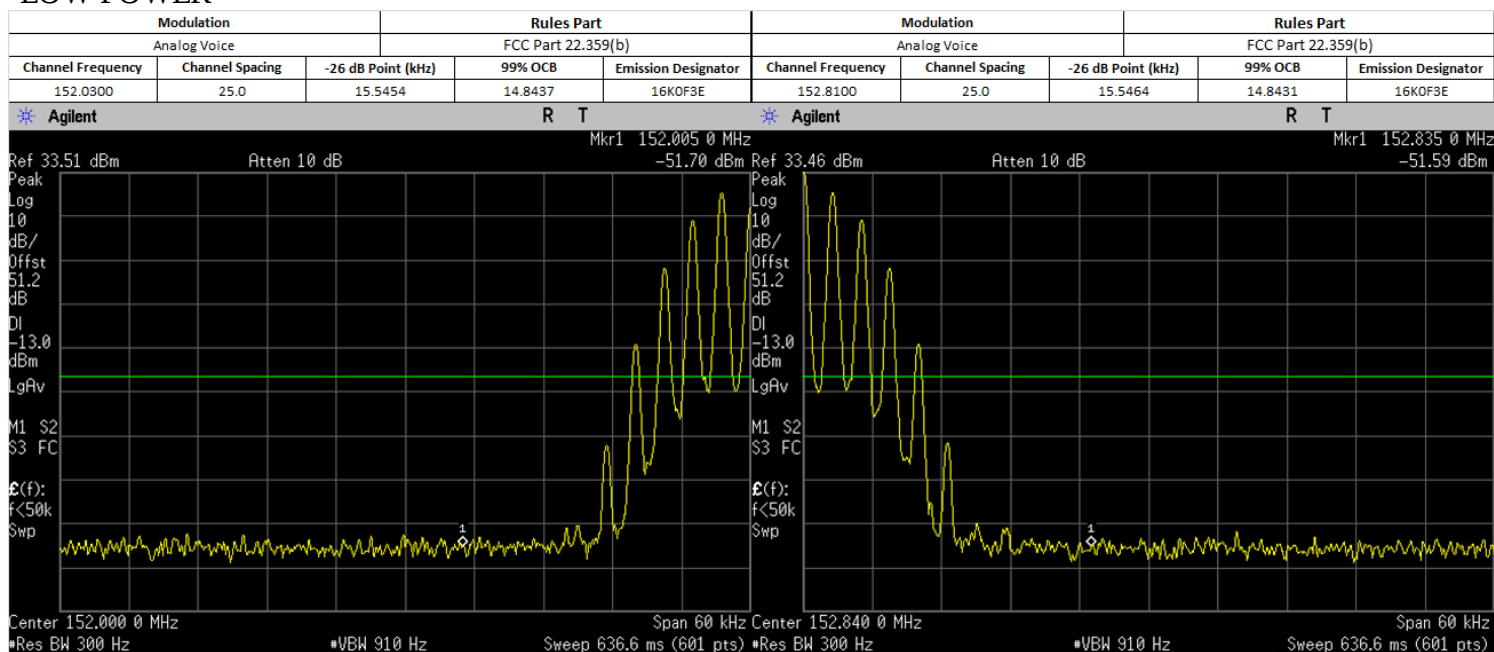


6.7.2. Test Result (Analog)

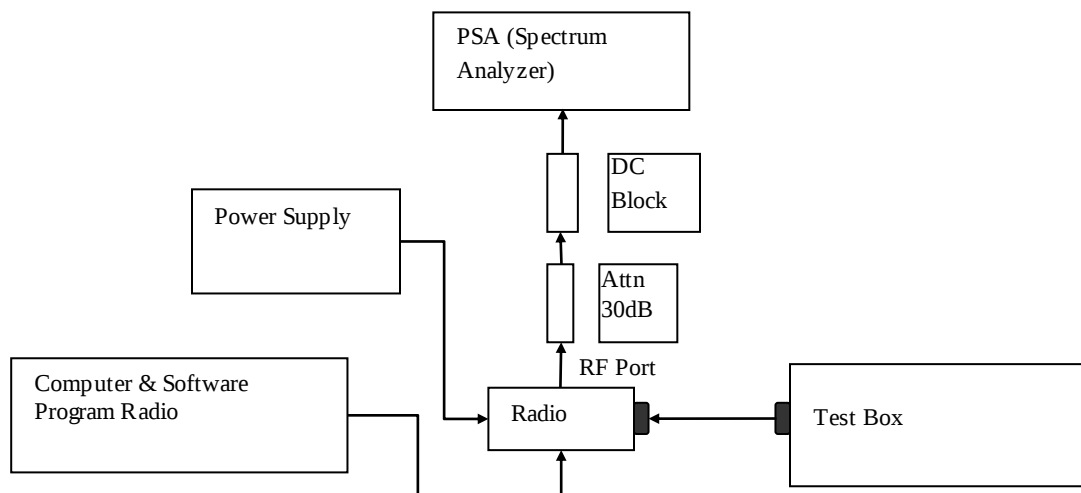
MAX POWER



LOW POWER



6.7.3. Test Setup (Digital)



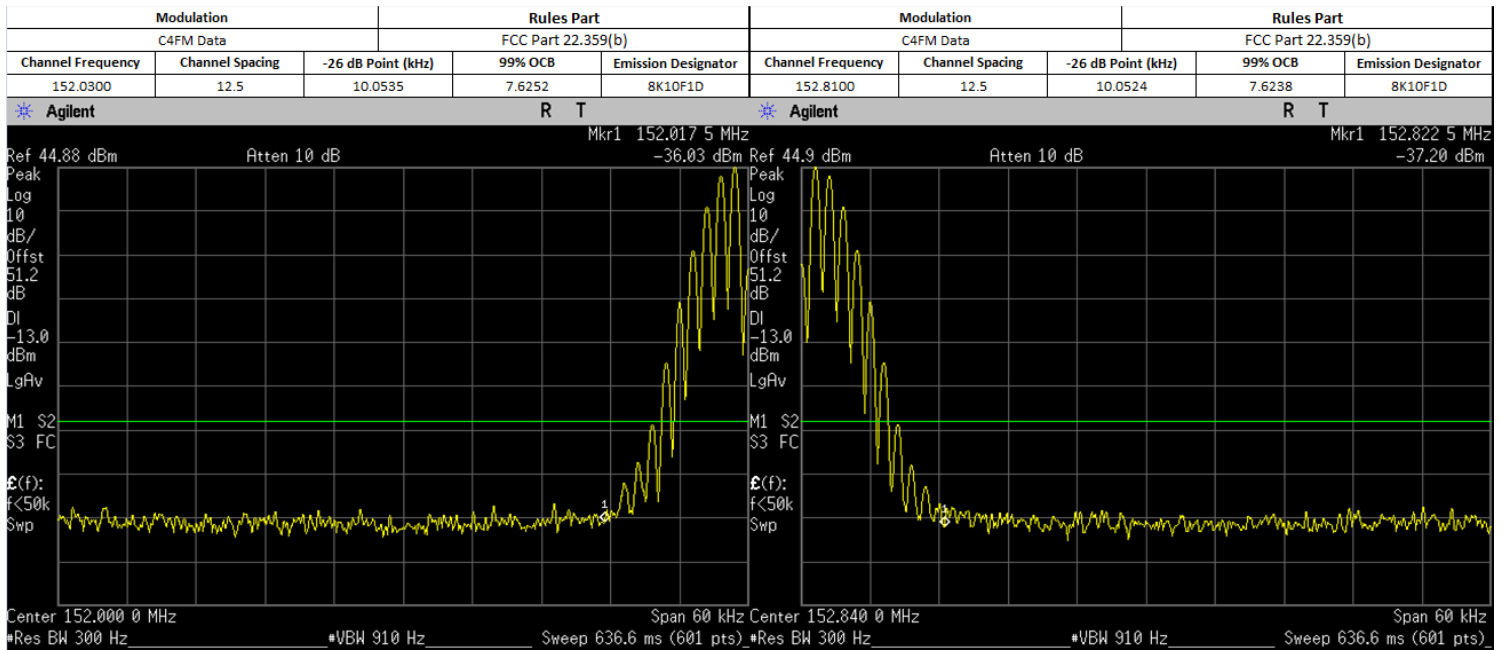
- 1) Program and set radio to operate in desire test frequency and digital mode with modulation. (*4FSK, C4FM or other digital modulation form).
- 2) Path loss for the measurement included.
- 3) Select the Occupied Bandwidth measurement for 99% and 26dB Emissions Bandwidth Measurement.
- 4) Key in the Fc and Resolution Bandwidth.
- 5) Transmit radio record the occupied Bandwidth frequencies.
- 6) Preset the spectrum analyzer for band edge measurement.
- 7) Key in the lowest and highest channels frequency, span is 60 kHz and Resolution Bandwidth is at least 1% of Emission Bandwidth.
- 8) Save the screen shot.

***Note:**

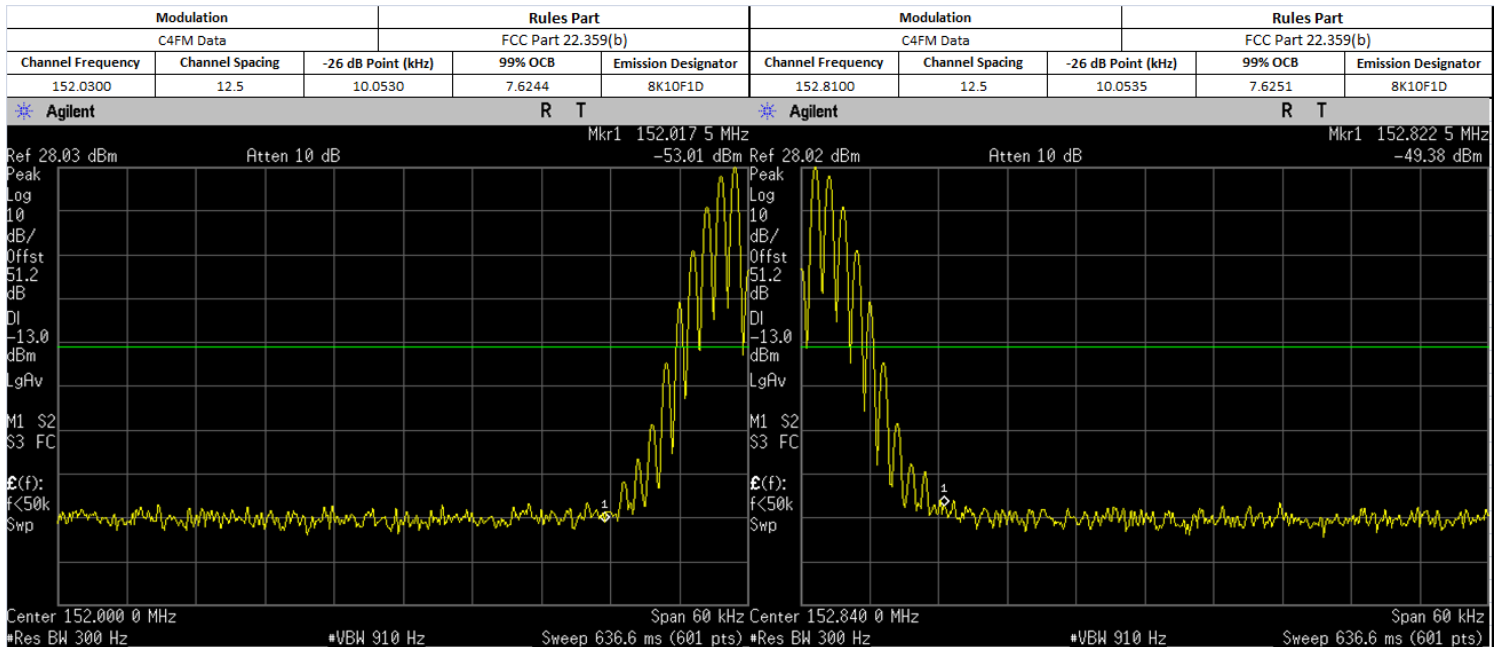
- For Digital Modulation, 12.5 kHz Data F1D & FXD would be the same. Therefore only measurements with F1D modulation shown below.
- For Digital Modulation, 12.5 kHz Data F1E & FXE would be the same. Therefore only measurements with F1E modulation shown below.

6.7.4. Test Result (Digital)

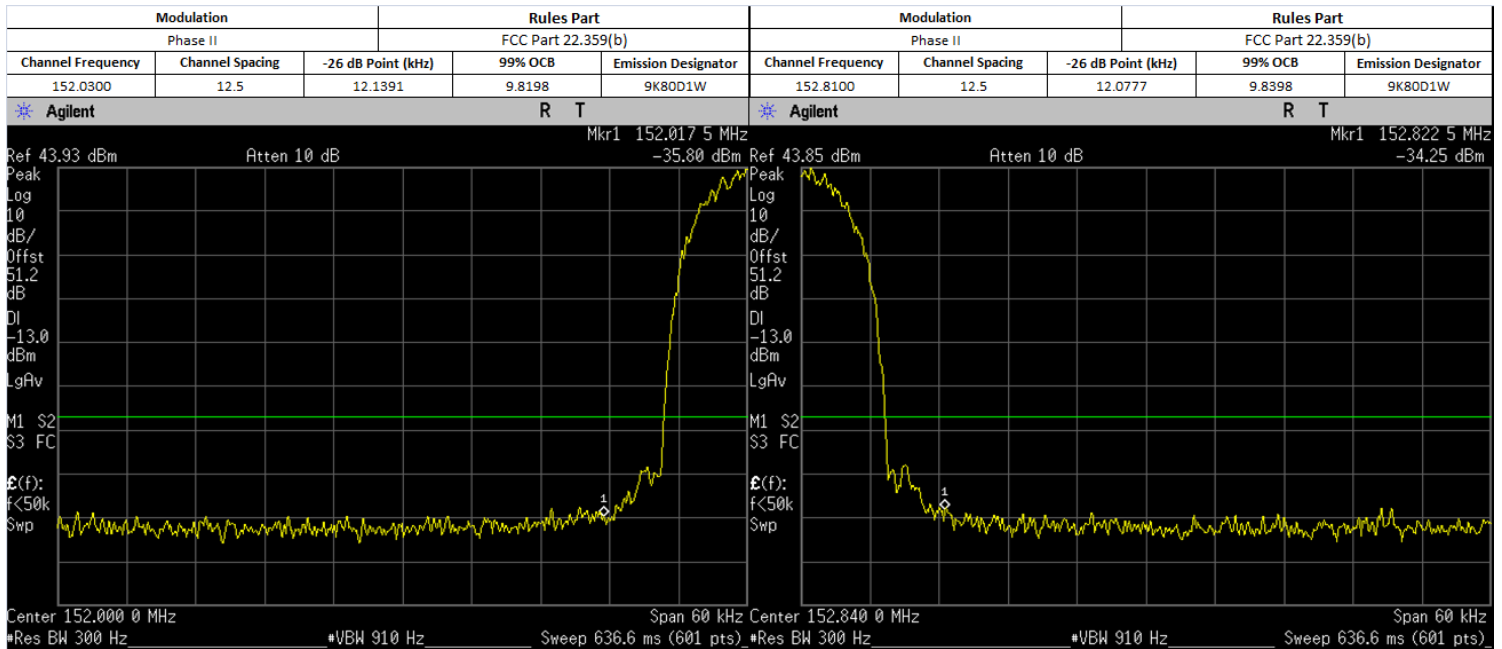
MAX POWER



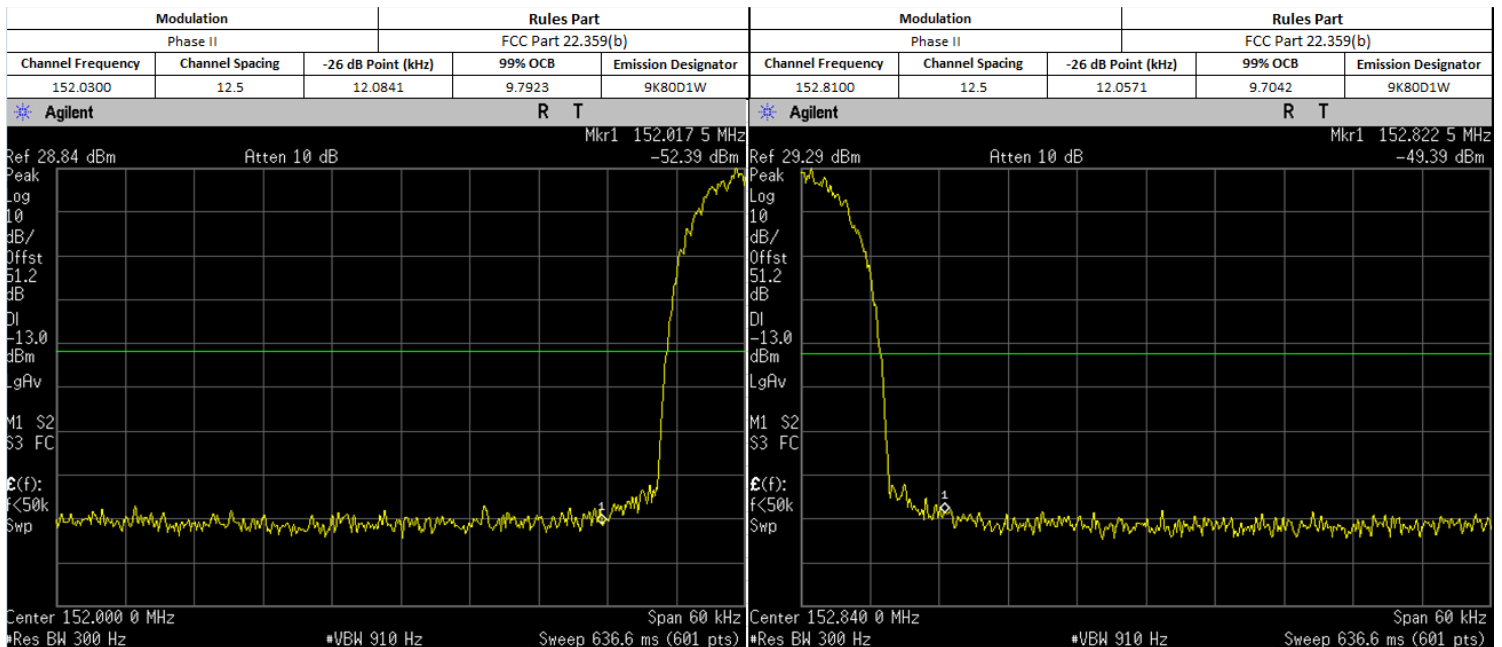
LOW POWER



MAX POWER



LOW POWER

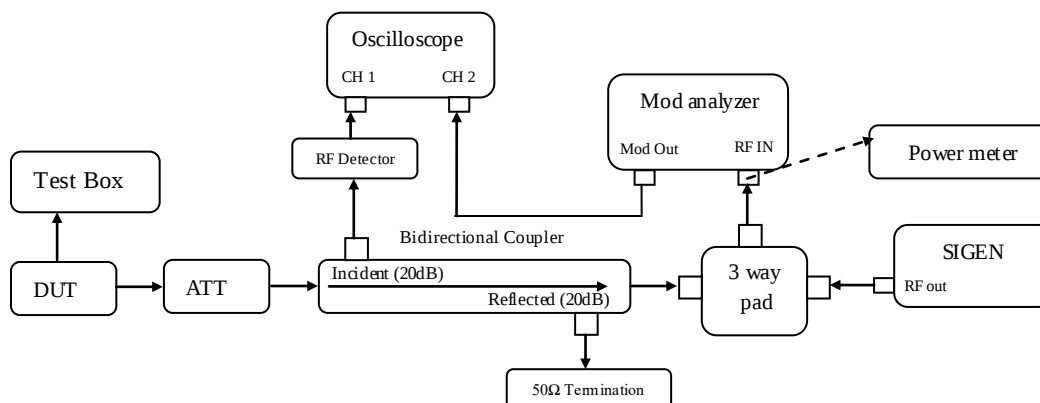


6.7.5. Test Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

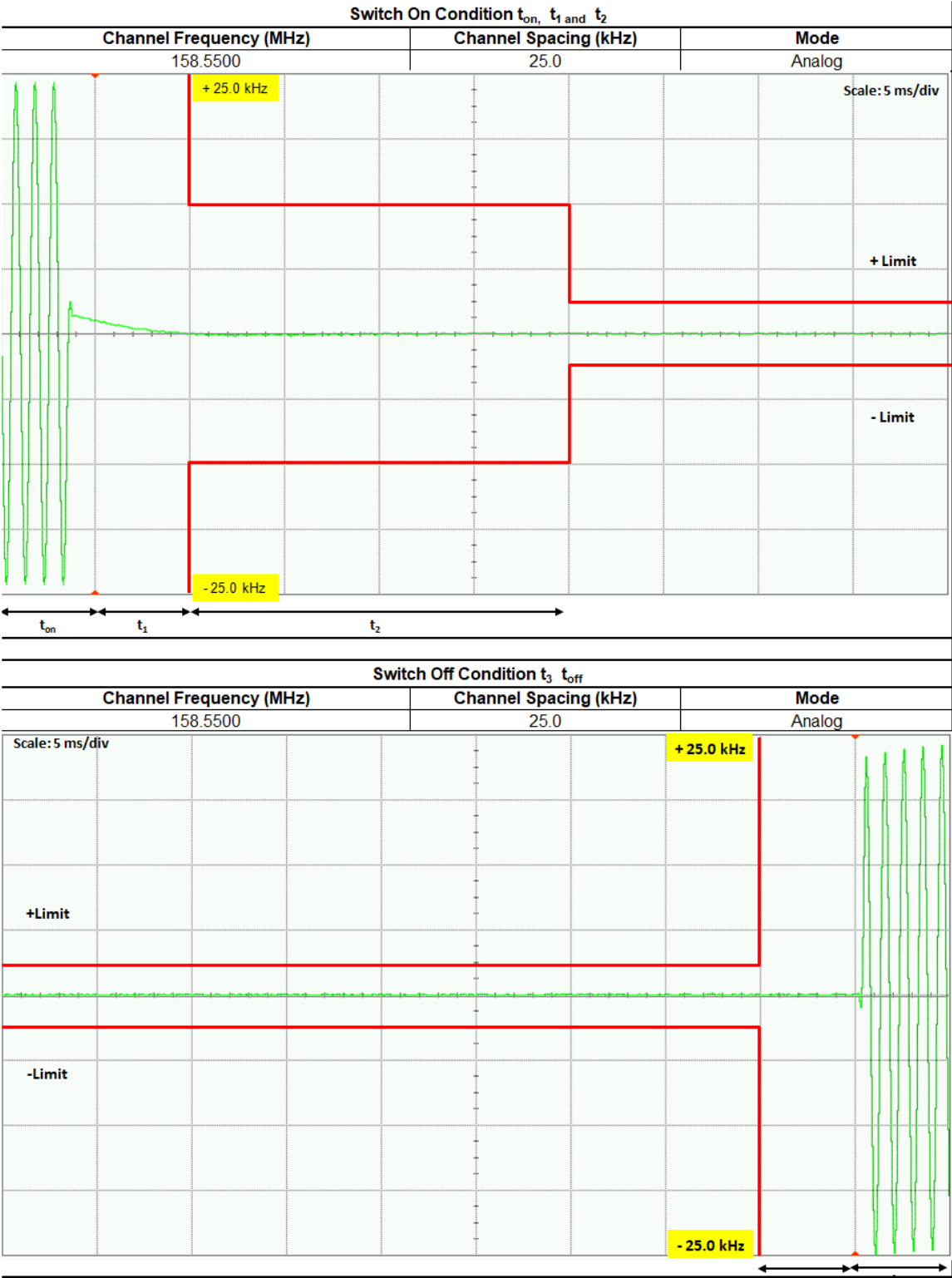
6.8. Transient Frequency Behavior

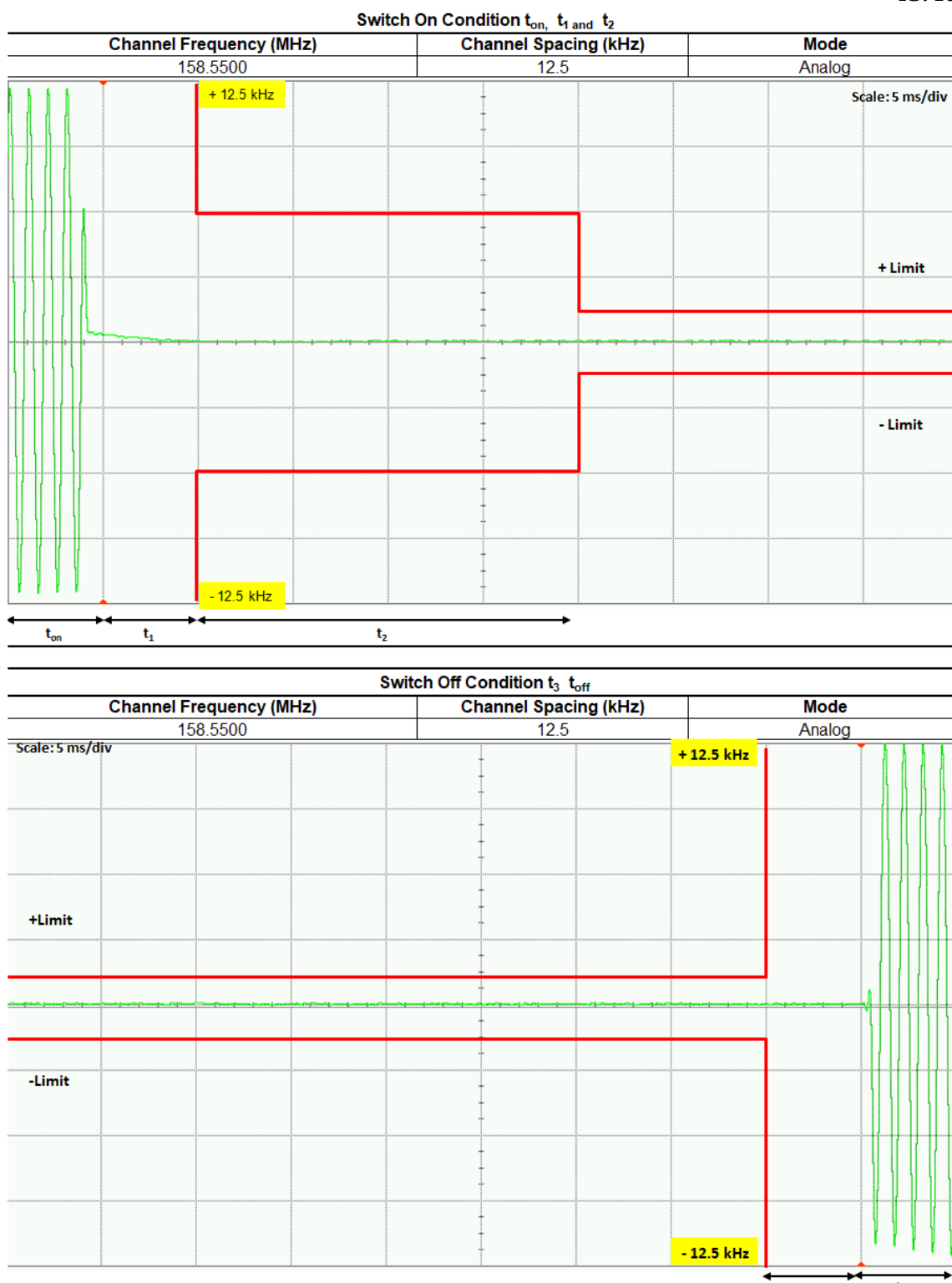
6.8.1. Test Setup

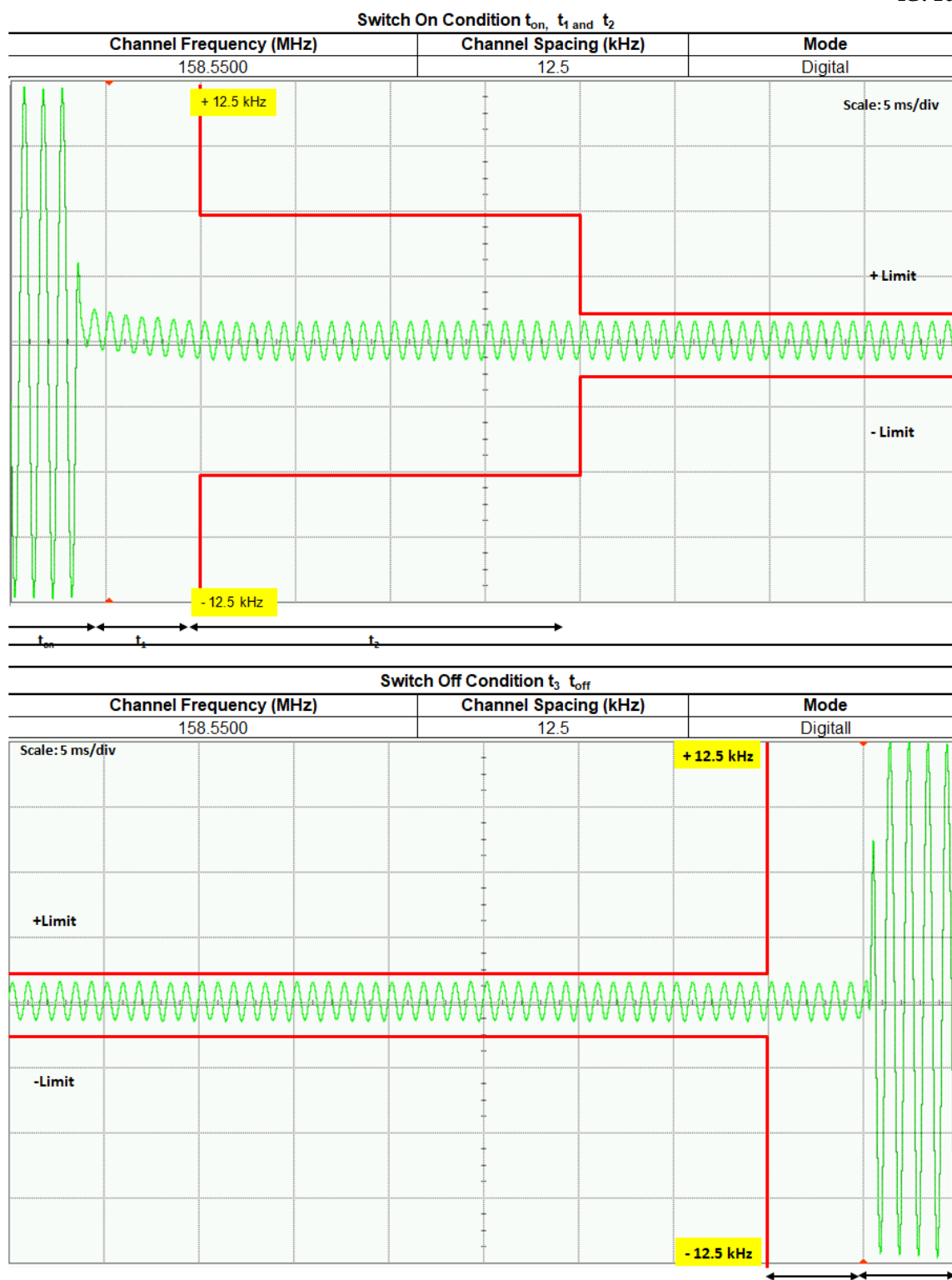


- 1) Connect the setup as figure above.
- 2) Path loss for the measurement included.
- 3) Set on Sigen with the assigned center frequency, internal 1 kHz FM tone.
FM Deviation: Analog 25kHz Channel Spacing = 25 kHz
Analog 12.5 kHz Channel Spacing = 12.5 kHz
C4FM = 12.5 kHz
- 4) Turn on 50 kHz high pass filter and 15 kHz low pass filter on modulation analyzer.
- 5) Supply sufficient attenuation ATT to provide the output power of $\leq -11\text{dBm}$ into power meter when DUT is keying up.
- 6) Note the power level on power meter and dekey the DUT.
- 7) Adjust the amplitude of the signal generator to the level power meter, maintained the amplitude throughout the rest of the measurement.
- 8) Connect the output to modulation analyzer.
- 9) Reduce 30dB attenuation and transmit the radio to get the trigger line.
- 10) Capture the screen shot for key-up (rising edge) and de-key (falling edge) mode.

6.8.2. Test Result







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_{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.

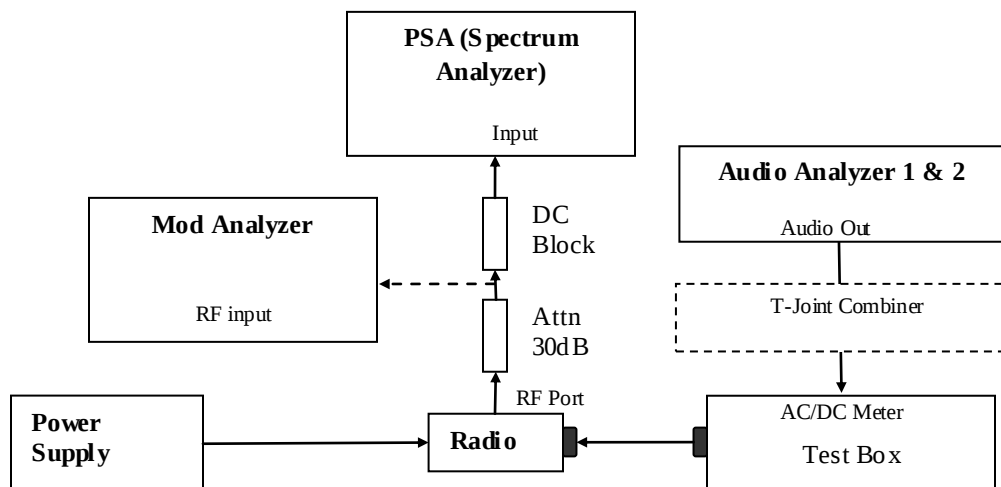
² During the time from the end of t_2 to the beginning of t_3 , the frequency difference must not exceed the limits specified in §90.213.

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)

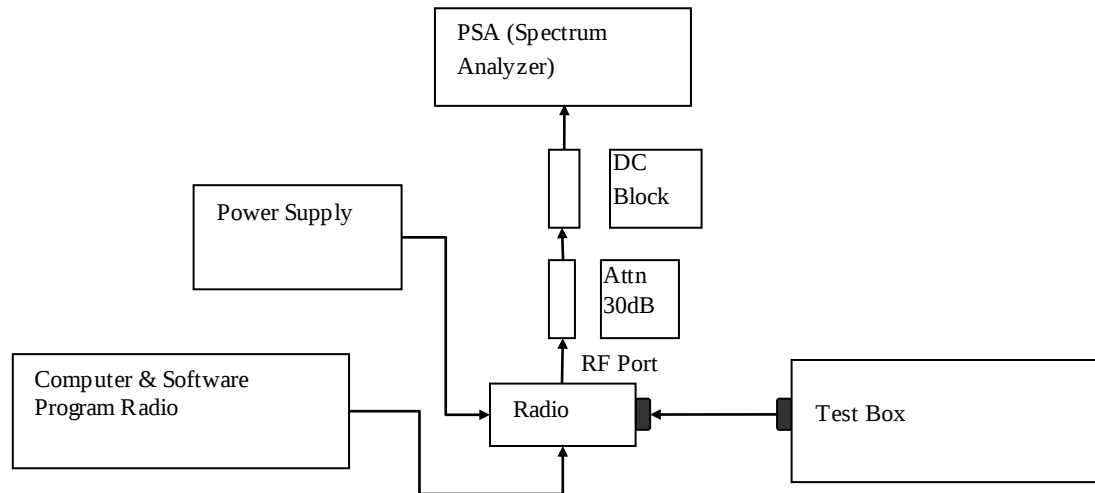


- 1) The DUT transmitter output port was connected to modulation analyzer.
- 2) Transmit the radio and turn on 1st audio analyzer with audio frequency 650Hz, 50% rated deviation, and record the amplitude value as AmpT1.
- 3) Turn off Audio analyzer 1 and turn on audio analyzer 2, set the audio frequency 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

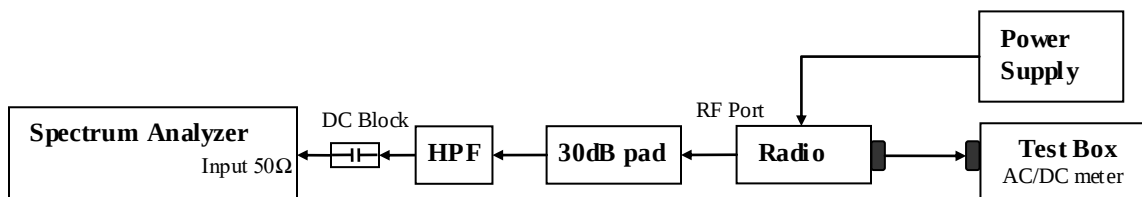
Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
9.375	6.25	-40
15.625	6.25	-60
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
350.00	100	-65
>400 kHz to 12 MHz	30 (s)	-80
12 MHz to paired receive band	30 (s)	-80
In the paired receive band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

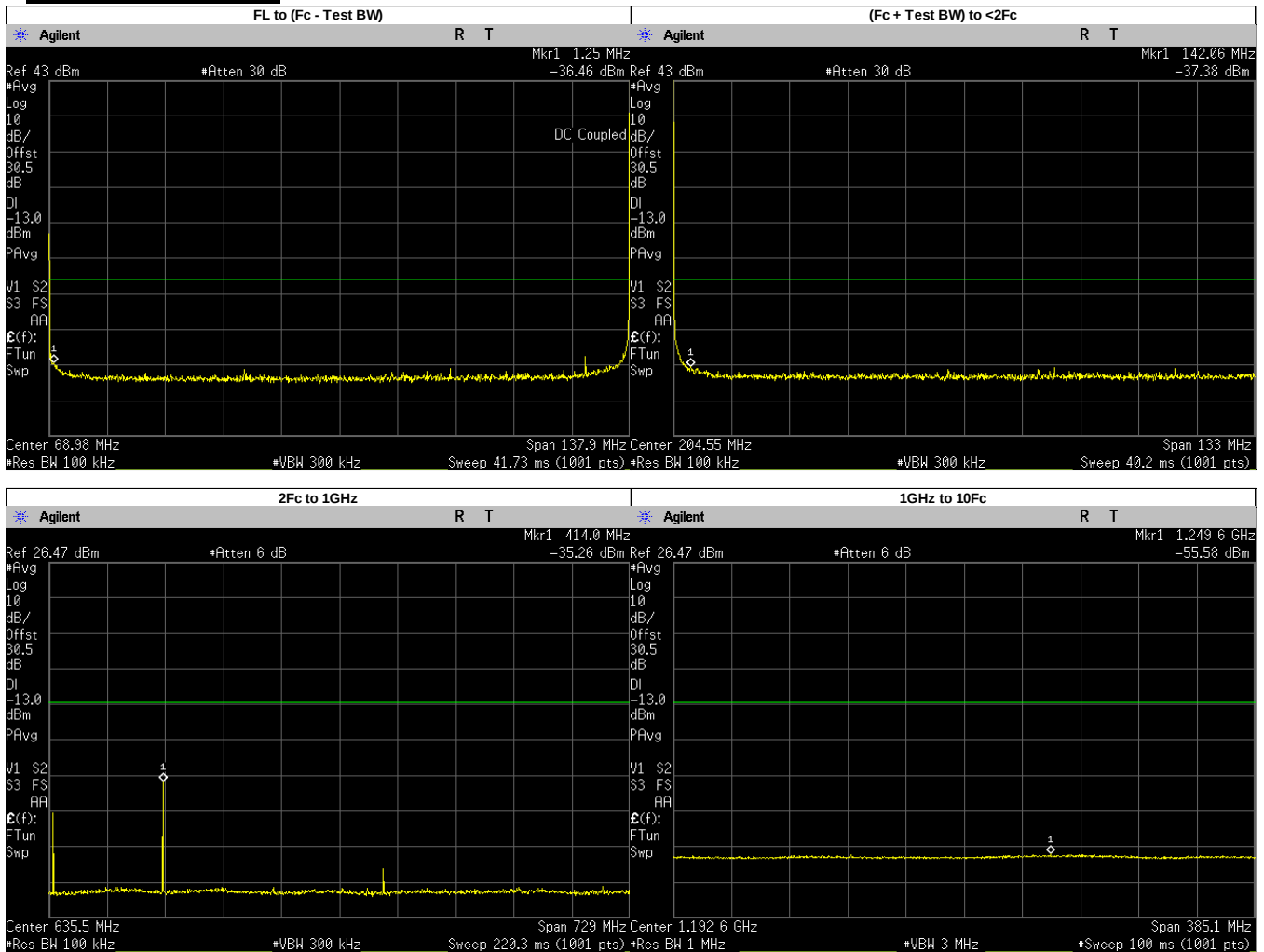
6.10.1. Test Setup



- 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 – Test Bandwidth
 - b. F_c + Test Bandwidth to $2F_c$ – 5MHz.
- 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.

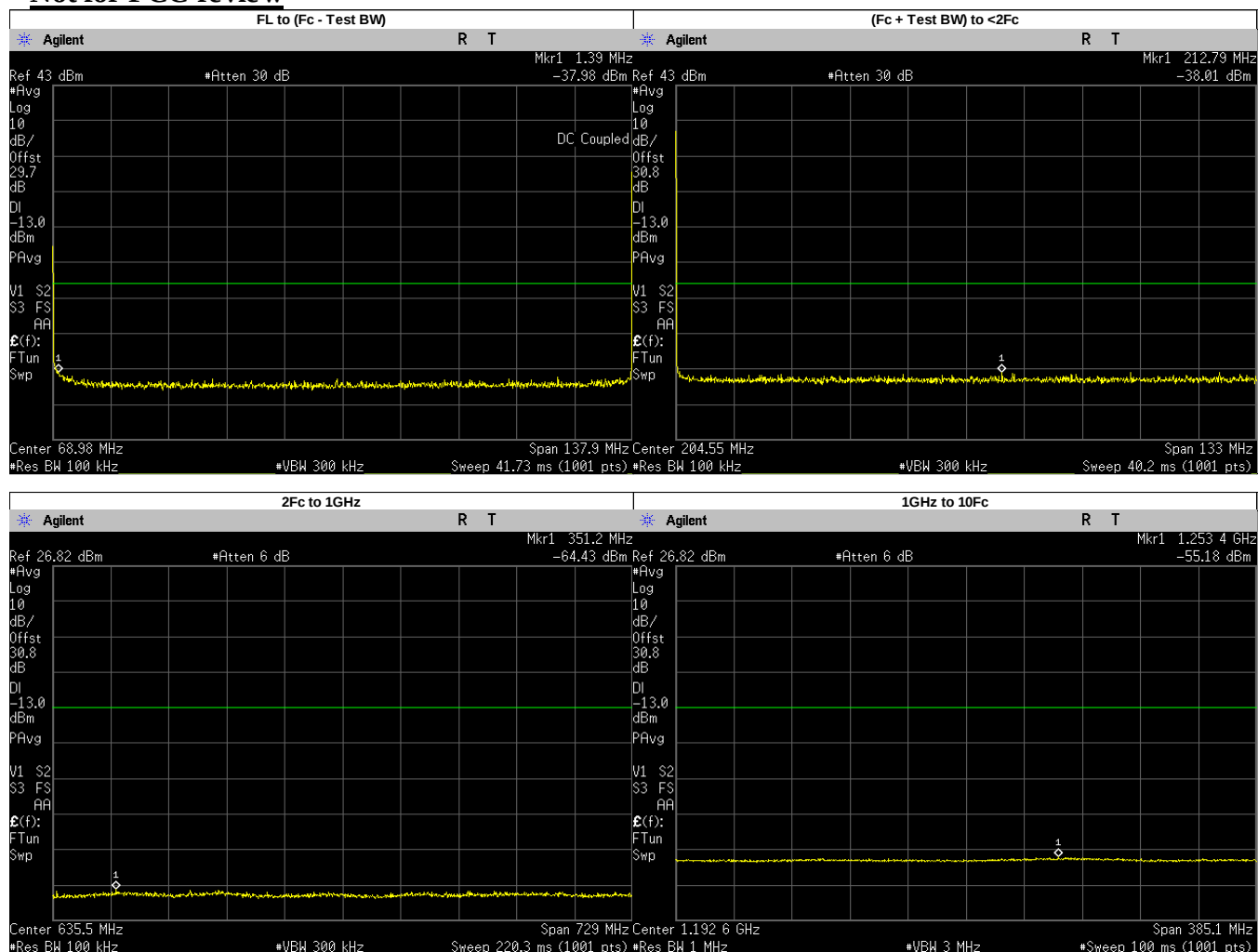
6.10.2. Test Result (Analog)

Analog: 138.0125. MHz, 25.0.kHz Channel Spacing, Max. Power
Not for FCC reiew



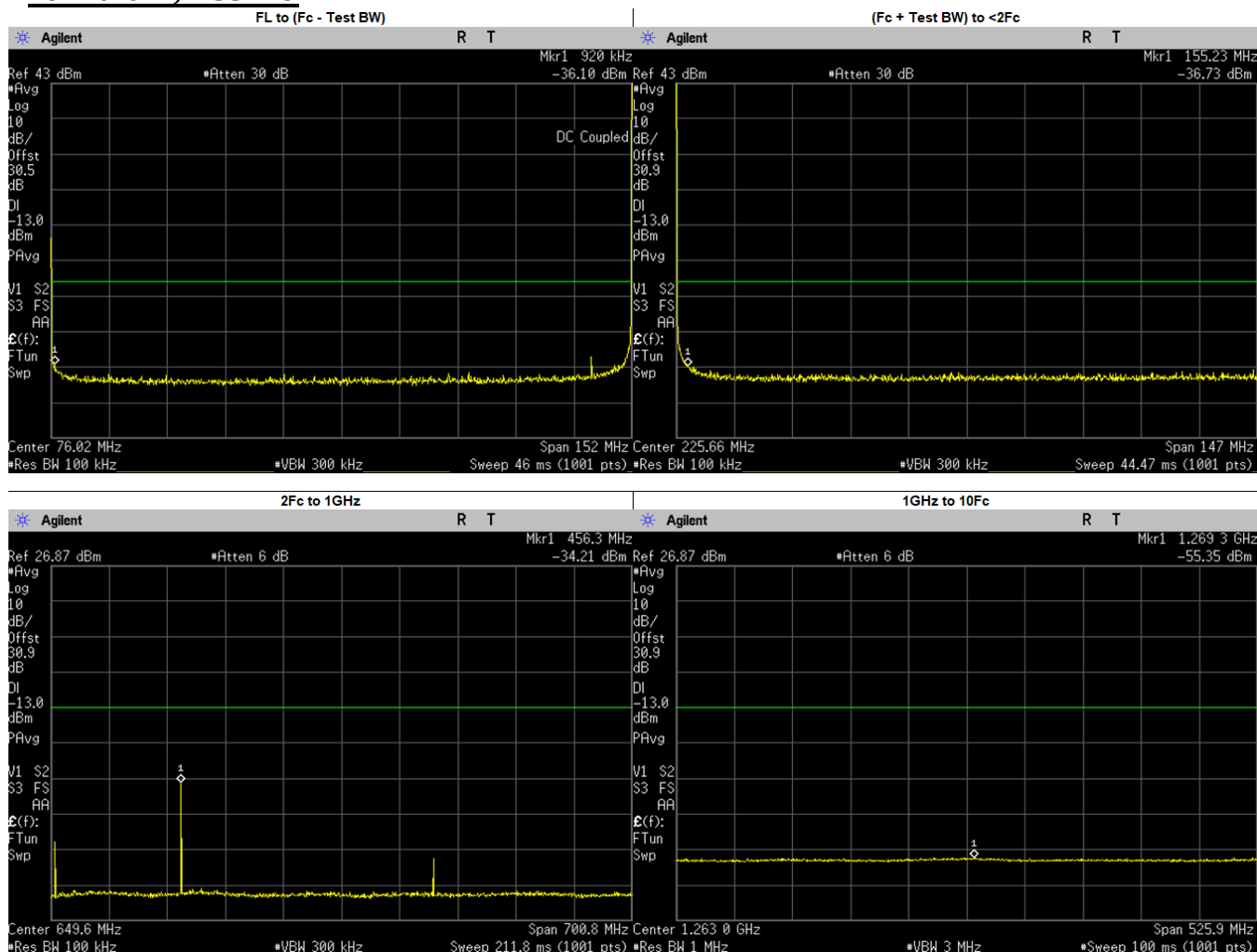
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.2500	-36.4550	-13.00	PASS
(Fc + Test BW) to <2Fc	142.0568	-37.3800	-13.00	PASS
2Fc to 1GHz	414.0000	-35.2600	-13.00	PASS
	276.0250	-47.1615	-13.00	PASS
	414.0375	-40.8594	-13.00	PASS
	552.0500	-65.1094	-13.00	PASS
	690.0625	-60.7692	-13.00	PASS
	828.0750	-66.0362	-13.00	PASS
	966.0875	-65.4616	-13.00	PASS
1GHz to 10Fc	1249.5610	-55.5800	-13.00	PASS
	1104.1000	-56.4452	-13.00	PASS
	1242.1120	-55.9781	-13.00	PASS
	1380.1250	-56.5322	-13.00	PASS

Analog: 138.0125. MHz, 25.0 kHz Channel Spacing, Low. Power
Not for FCC review



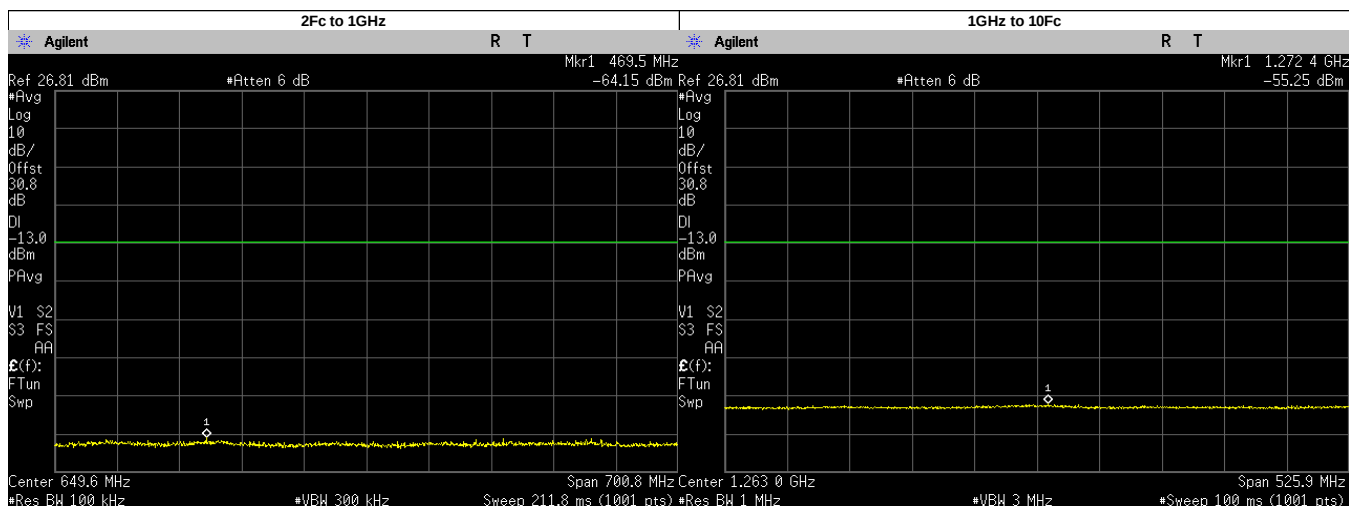
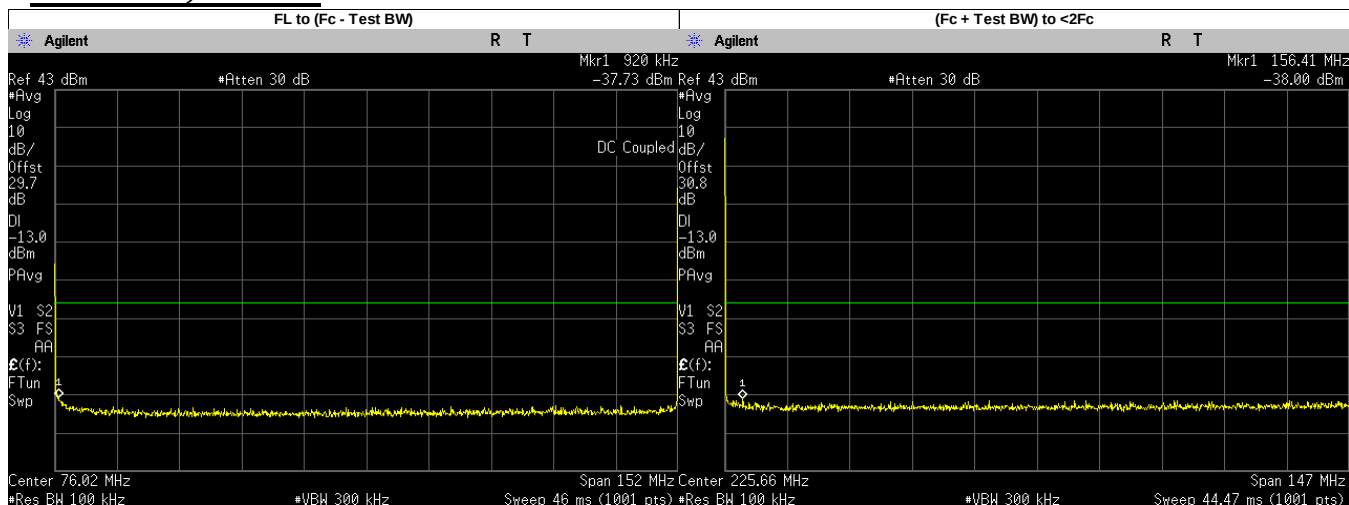
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.3900	-37.9800	-13.00	PASS
(Fc + Test BW) to <2Fc	212.7899	-38.0100	-13.00	PASS
2Fc to 1GHz	351.2122	-64.4300	-13.00	PASS
	276.0250	-65.1781	-13.00	PASS
	414.0375	-66.0475	-13.00	PASS
	552.0500	-66.3490	-13.00	PASS
	690.0625	-66.1915	-13.00	PASS
	828.0750	-65.6044	-13.00	PASS
	966.0875	-65.8844	-13.00	PASS
1GHz to 10Fc	1253.4120	-55.1800	-13.00	PASS
	1104.1000	-56.1209	-13.00	PASS
	1242.1120	-55.7109	-13.00	PASS
	1380.1250	-56.1566	-13.00	PASS

**Analog: 152.09. MHz, 25.0 kHz Channel Spacing, Max. Power
For Part 22, RSS 119**



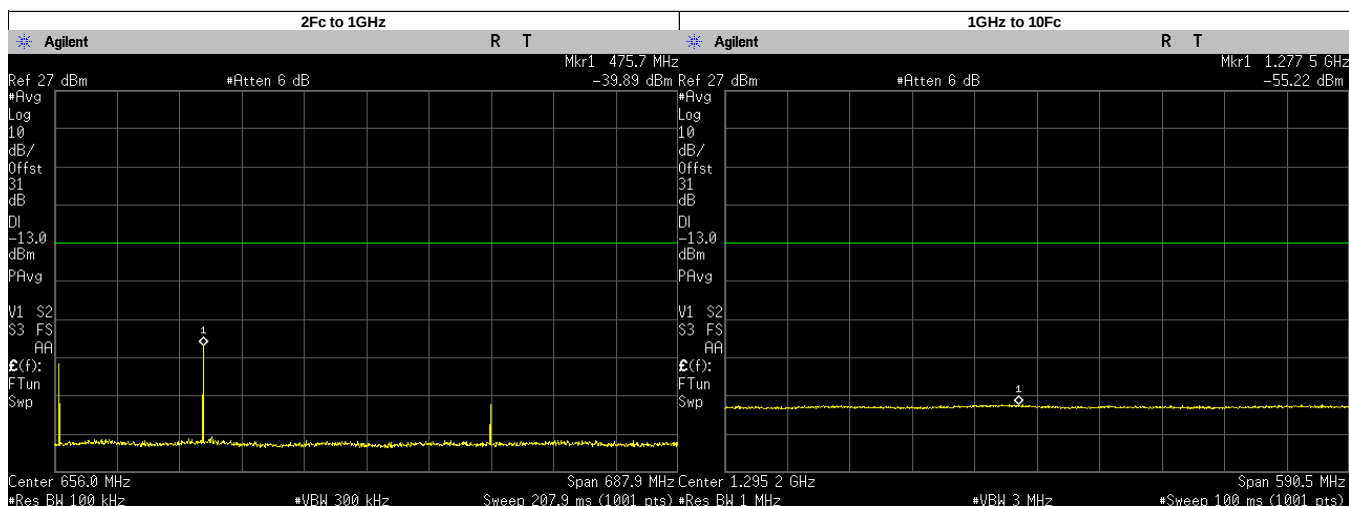
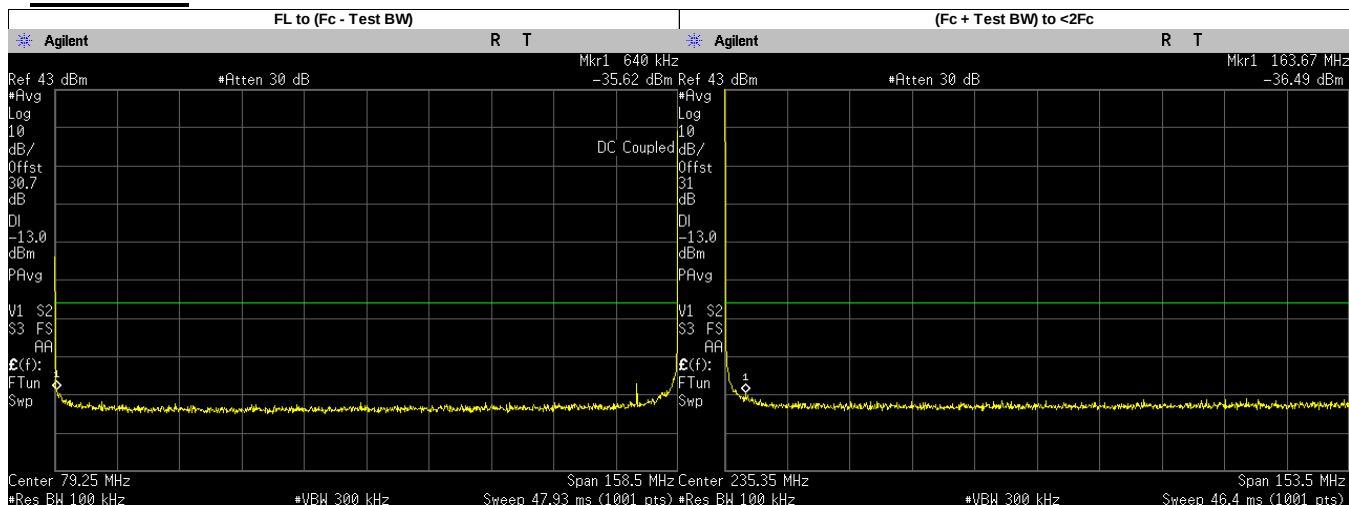
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9200	-36.1030	-13.00	PASS
(Fc + Test BW) to <2Fc	155.2333	-36.7300	-13.00	PASS
2Fc to 1GHz	456.3000	-34.2100	-13.00	PASS
	304.1800	-52.9310	-13.00	PASS
	456.2700	-38.9784	-13.00	PASS
	608.3600	-64.8985	-13.00	PASS
	760.4500	-57.6449	-13.00	PASS
	912.5400	-65.7650	-13.00	PASS
1GHz to 10Fc	1269.2610	-55.3500	-13.00	PASS
	1064.6300	-55.5448	-13.00	PASS
	1216.7200	-56.0029	-13.00	PASS
	1368.8100	-55.9654	-13.00	PASS
	1520.9000	-55.8052	-13.00	PASS

**Analog: 152.09. MHz, 25.0.kHz Channel Spacing, Low. Power
For Part 22, RSS 119**



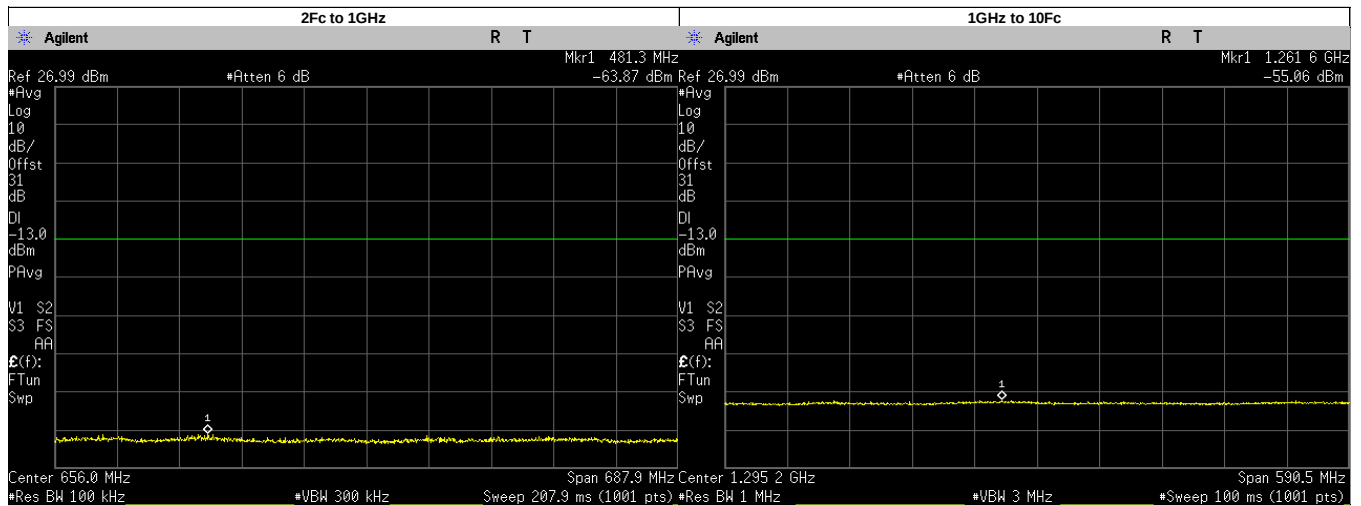
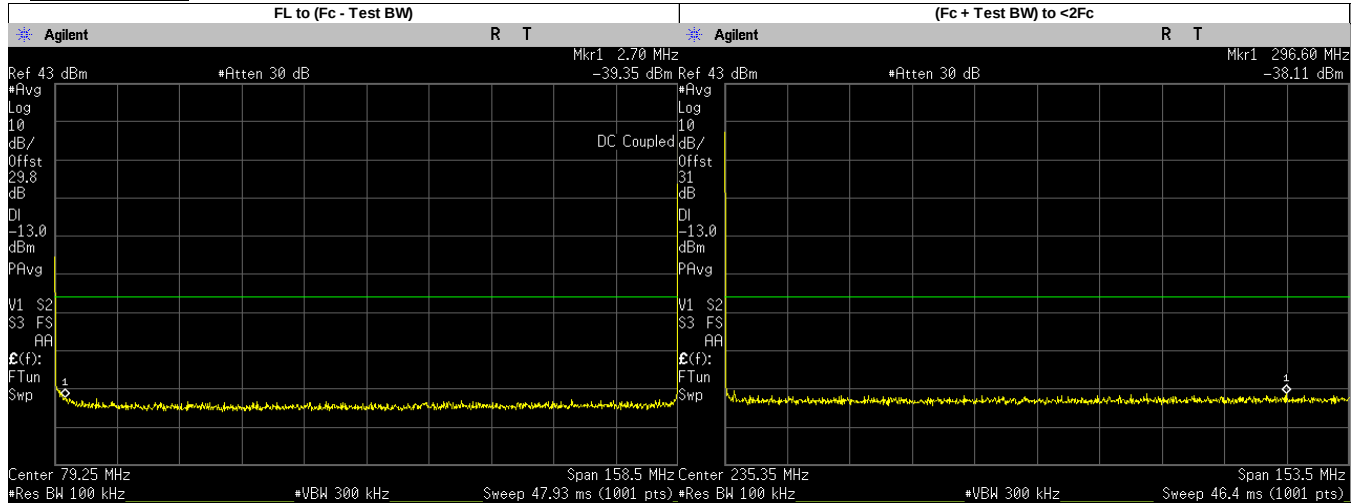
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9200	-37.7310	-13.00	PASS
(Fc + Test BW) to <2Fc	156.4096	-38.0000	-13.00	PASS
2Fc to 1GHz	469.4793	-64.1500	-13.00	PASS
	304.1800	-66.1591	-13.00	PASS
	456.2700	-65.0777	-13.00	PASS
	608.3600	-65.9784	-13.00	PASS
	760.4500	-65.6362	-13.00	PASS
	912.5400	-65.0464	-13.00	PASS
1GHz to 10Fc	1272.4160	-55.2500	-13.00	PASS
	1064.6300	-56.2946	-13.00	PASS
	1216.7200	-55.8470	-13.00	PASS
	1368.8100	-56.0214	-13.00	PASS
	1520.9000	-55.8983	-13.00	PASS

**Analog: 158.55. MHz, 25.0.kHz Channel Spacing, Max. Power
For Part 80**



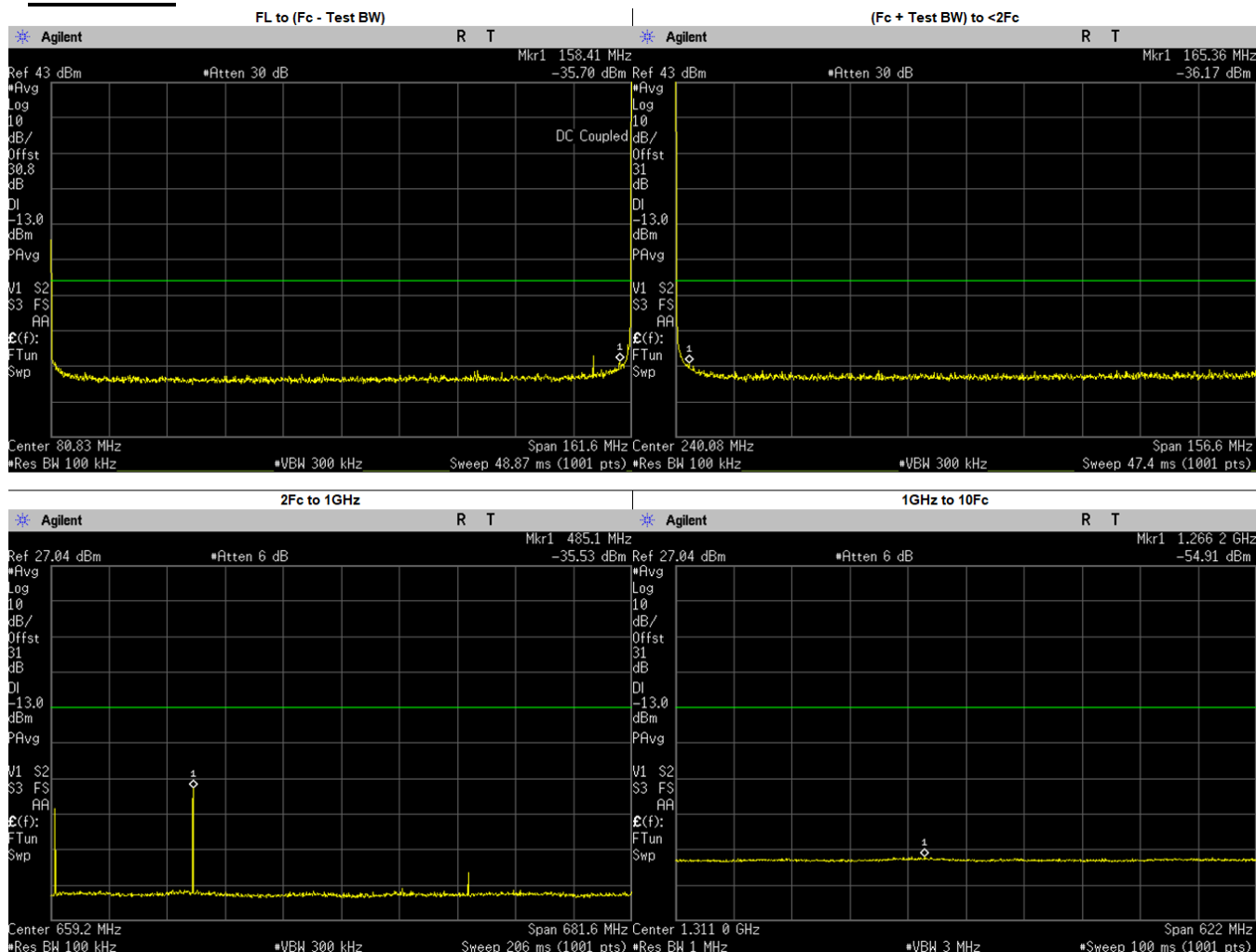
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.6400	-35.6200	-13.00	PASS
(Fc + Test BW) to <2Fc	163.6709	-36.4900	-13.00	PASS
2Fc to 1GHz	475.7000	-39.8900	-13.00	PASS
	317.1000	-50.1541	-13.00	PASS
	475.6500	-46.1012	-13.00	PASS
	634.2000	-65.1873	-13.00	PASS
	792.7500	-57.9251	-13.00	PASS
	951.3000	-66.0185	-13.00	PASS
1GHz to 10Fc	1277.5350	-55.2200	-13.00	PASS
	1109.8500	-55.5244	-13.00	PASS
	1268.4000	-55.4341	-13.00	PASS
	1426.9500	-56.0476	-13.00	PASS
	1585.5000	-55.9187	-13.00	PASS

**Analog: 158.55. MHz, 25.0.kHz Channel Spacing, Low. Power
For Part 80**



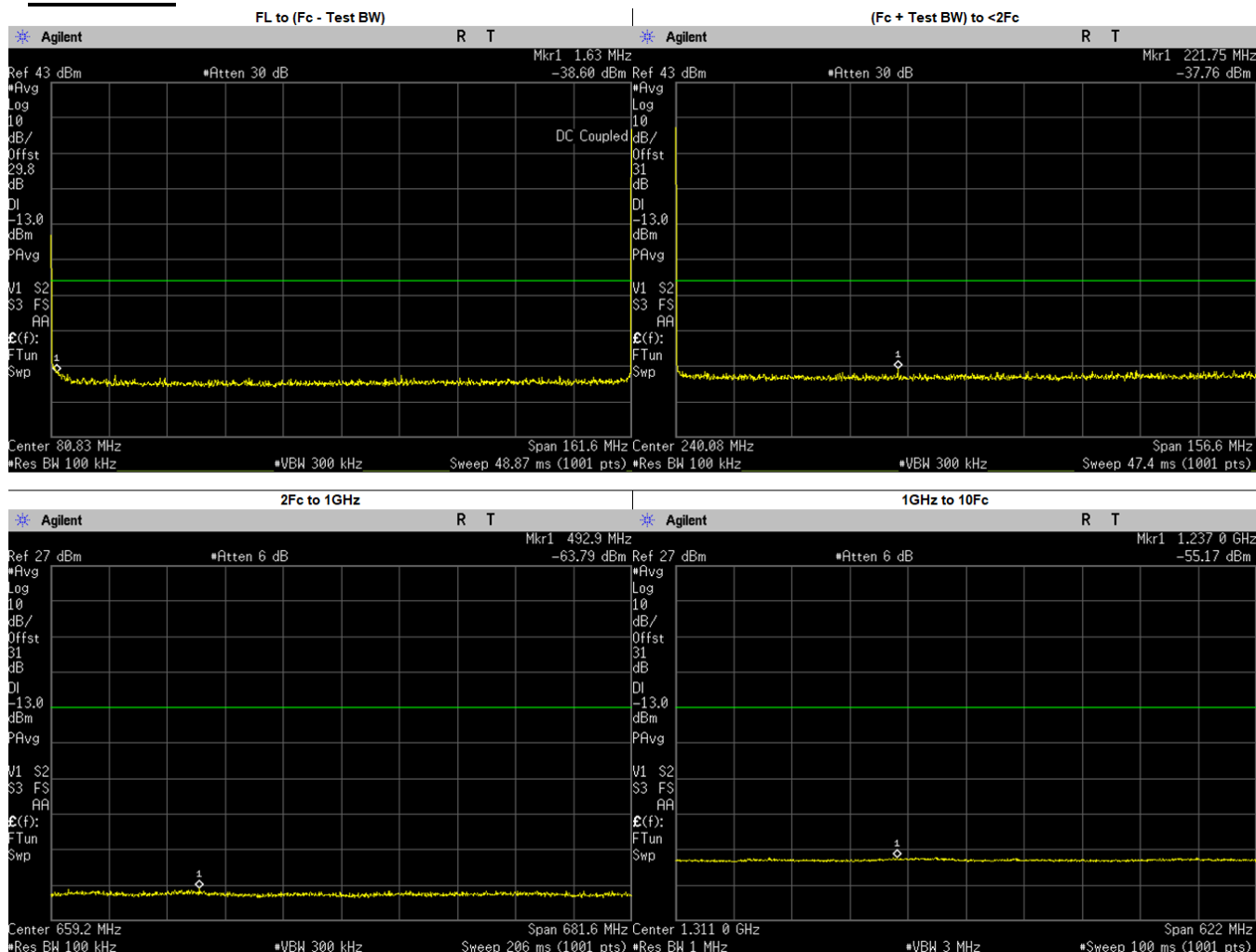
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	2.7000	-39.3540	-13.00	PASS
(Fc + Test BW) to <2Fc	296.5971	-38.1100	-13.00	PASS
2Fc to 1GHz	481.3234	-63.8700	-13.00	PASS
	317.1000	-65.6886	-13.00	PASS
	475.6500	-65.0598	-13.00	PASS
	634.2000	-65.8261	-13.00	PASS
	792.7500	-65.6351	-13.00	PASS
	951.3000	-65.9724	-13.00	PASS
1GHz to 10Fc	1261.5910	-55.0600	-13.00	PASS
	1109.8500	-56.0391	-13.00	PASS
	1268.4000	-55.6951	-13.00	PASS
	1426.9500	-56.0260	-13.00	PASS
	1585.5000	-55.9347	-13.00	PASS

Analog: 161.7. MHz, 25.0.kHz Channel Spacing, Max. Power For Part 74



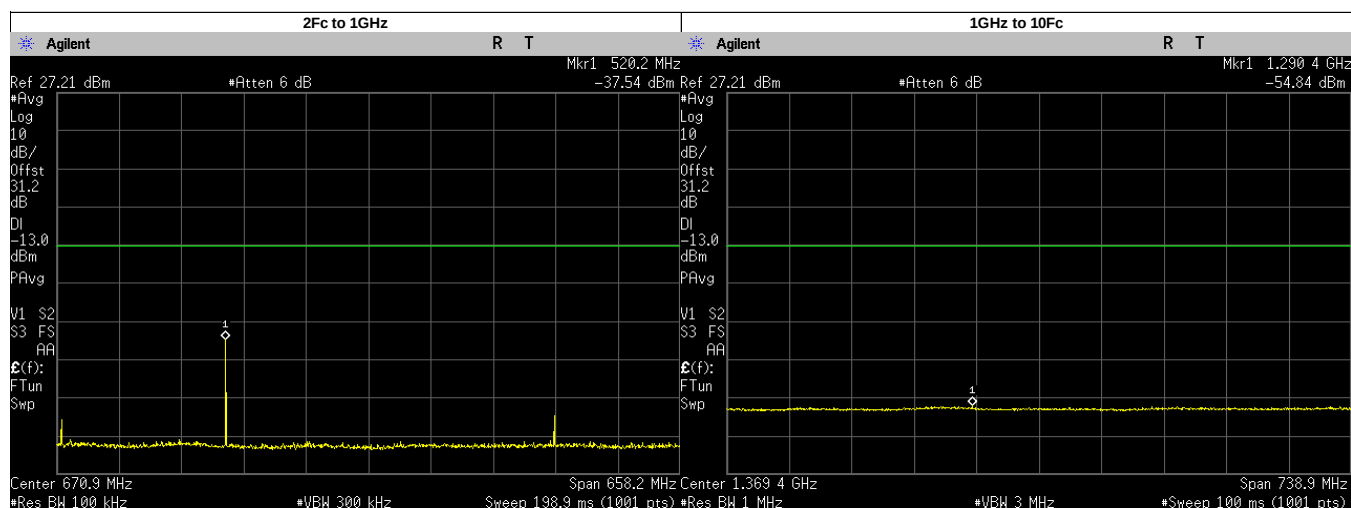
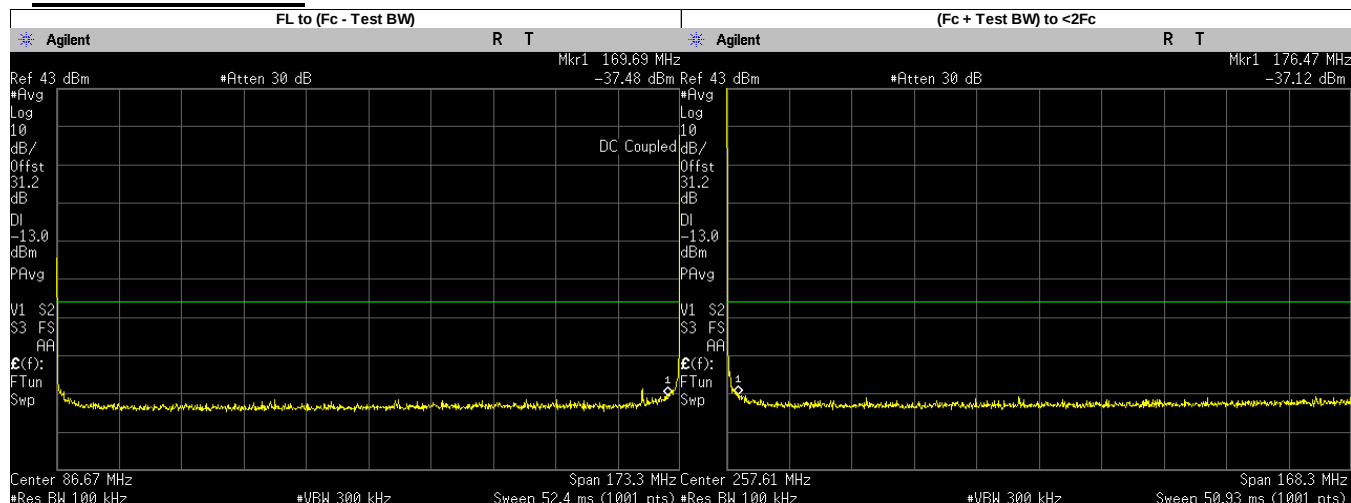
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	158.4100	-35.6980	-13.00	PASS
(Fc + Test BW) to <2Fc	165.3584	-36.1700	-13.00	PASS
2Fc to 1GHz	485.1000	-35.5300	-13.00	PASS
	323.4000	-49.0844	-13.00	PASS
	485.1000	-37.8928	-13.00	PASS
	646.8000	-65.5174	-13.00	PASS
	808.5000	-59.5407	-13.00	PASS
	970.2000	-65.5550	-13.00	PASS
1GHz to 10Fc	1266.2160	-54.9100	-13.00	PASS
	1131.9000	-55.8472	-13.00	PASS
	1293.6000	-55.6448	-13.00	PASS
	1455.3000	-55.8997	-13.00	PASS
	1617.0000	-55.3801	-13.00	PASS

**Analog: 161.7 MHz, 25.0 kHz Channel Spacing, Low Power
For Part 74**



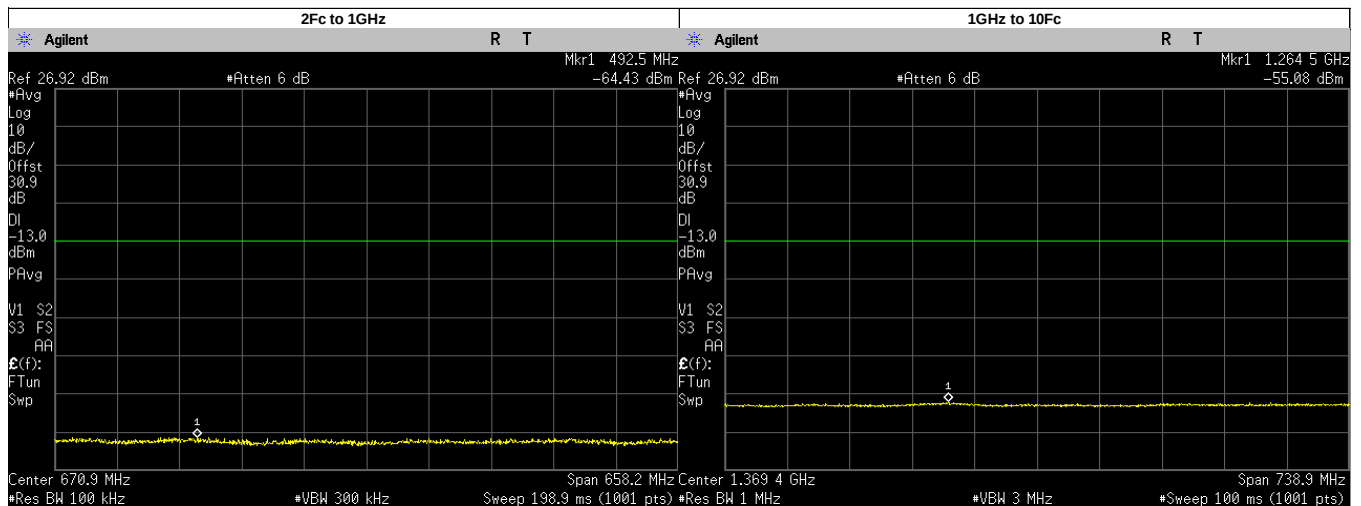
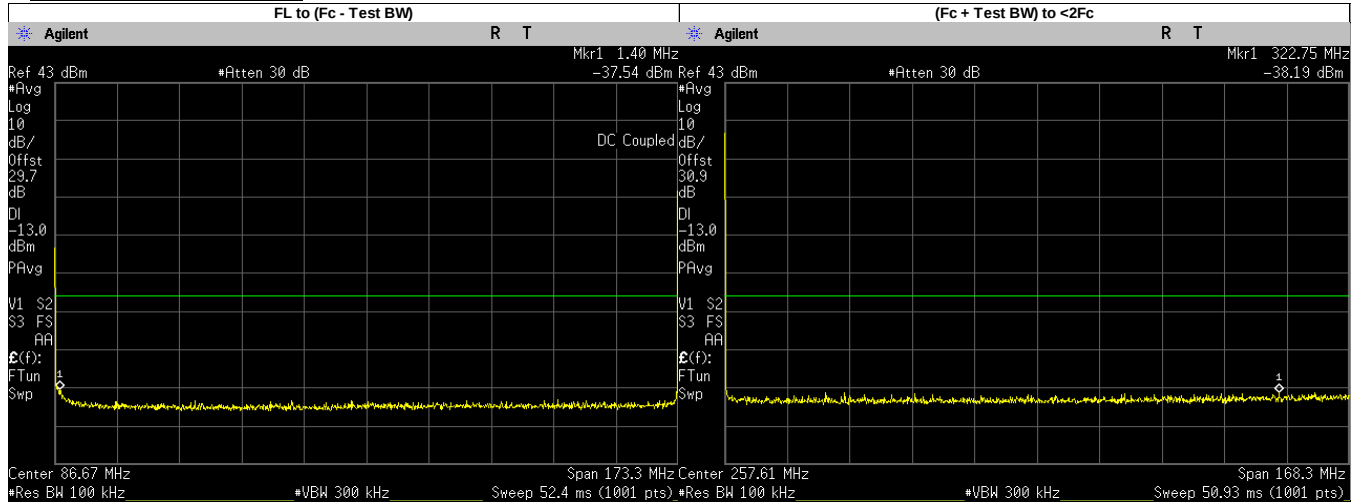
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.6300	-38.5950	-13.00	PASS
(Fc + Test BW) to <2Fc	221.7504	-37.7600	-13.00	PASS
2Fc to 1GHz	492.8896	-63.7900	-13.00	PASS
	323.4000	-65.2084	-13.00	PASS
	485.1000	-64.9069	-13.00	PASS
	646.8000	-65.6226	-13.00	PASS
	808.5000	-65.5286	-13.00	PASS
	970.2000	-65.6305	-13.00	PASS
1GHz to 10Fc	1236.9820	-55.1700	-13.00	PASS
	1131.9000	-56.1144	-13.00	PASS
	1293.6000	-55.7816	-13.00	PASS
	1455.3000	-55.9745	-13.00	PASS
	1617.0000	-55.6879	-13.00	PASS

Analog: 173.3875. MHz, 25.0.kHz 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)	169.6900	-37.4760	-13.00	PASS
(Fc + Test BW) to <2Fc	176.4731	-37.1200	-13.00	PASS
2Fc to 1GHz	520.2000	-37.5400	-13.00	PASS
	346.7750	-60.2663	-13.00	PASS
	520.1625	-37.8980	-13.00	PASS
	693.5500	-65.6577	-13.00	PASS
	866.9375	-58.5705	-13.00	PASS
1GHz to 10Fc	1290.3780	-54.8400	-13.00	PASS
	1040.3250	-55.9714	-13.00	PASS
	1213.7130	-55.4415	-13.00	PASS
	1387.1000	-55.6697	-13.00	PASS
	1560.4870	-55.6094	-13.00	PASS
	1733.8750	-55.6556	-13.00	PASS

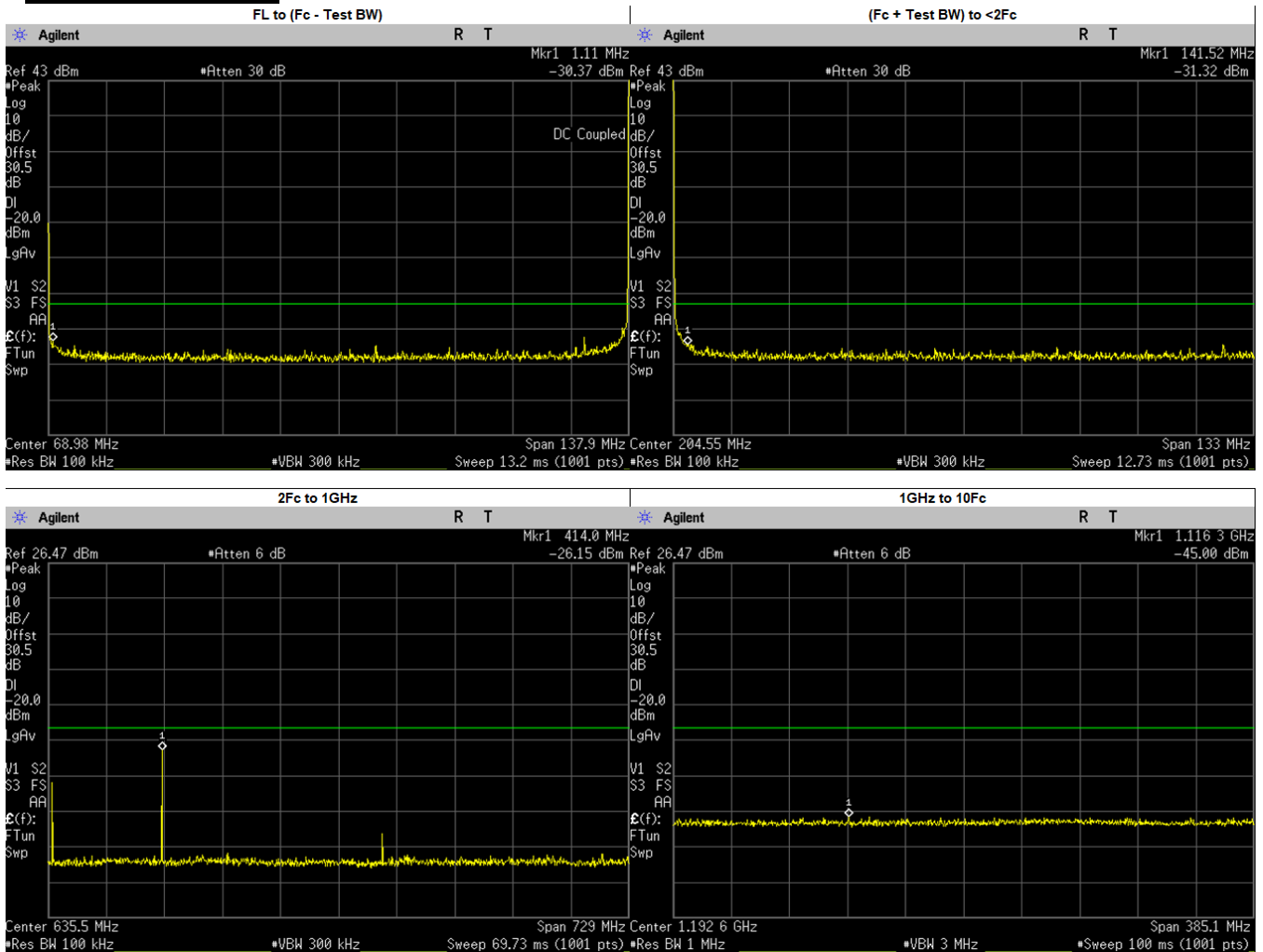
Analog: 173.3875. MHz, 25.0.kHz Channel Spacing, Low. Power
Not for FCC review



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.4000	-37.5370	-13.00	PASS
(Fc + Test BW) to <2Fc	322.7535	-38.1900	-13.00	PASS
2Fc to 1GHz	492.5085	-64.4300	-13.00	PASS
	346.7750	-65.4085	-13.00	PASS
	520.1625	-65.6565	-13.00	PASS
	693.5500	-65.9451	-13.00	PASS
	866.9375	-65.3898	-13.00	PASS
1GHz to 10Fc	1264.5170	-55.0800	-13.00	PASS
	1040.3250	-56.1771	-13.00	PASS
	1213.7130	-56.0477	-13.00	PASS
	1387.1000	-55.9168	-13.00	PASS
	1560.4870	-55.9182	-13.00	PASS
	1733.8750	-55.8123	-13.00	PASS

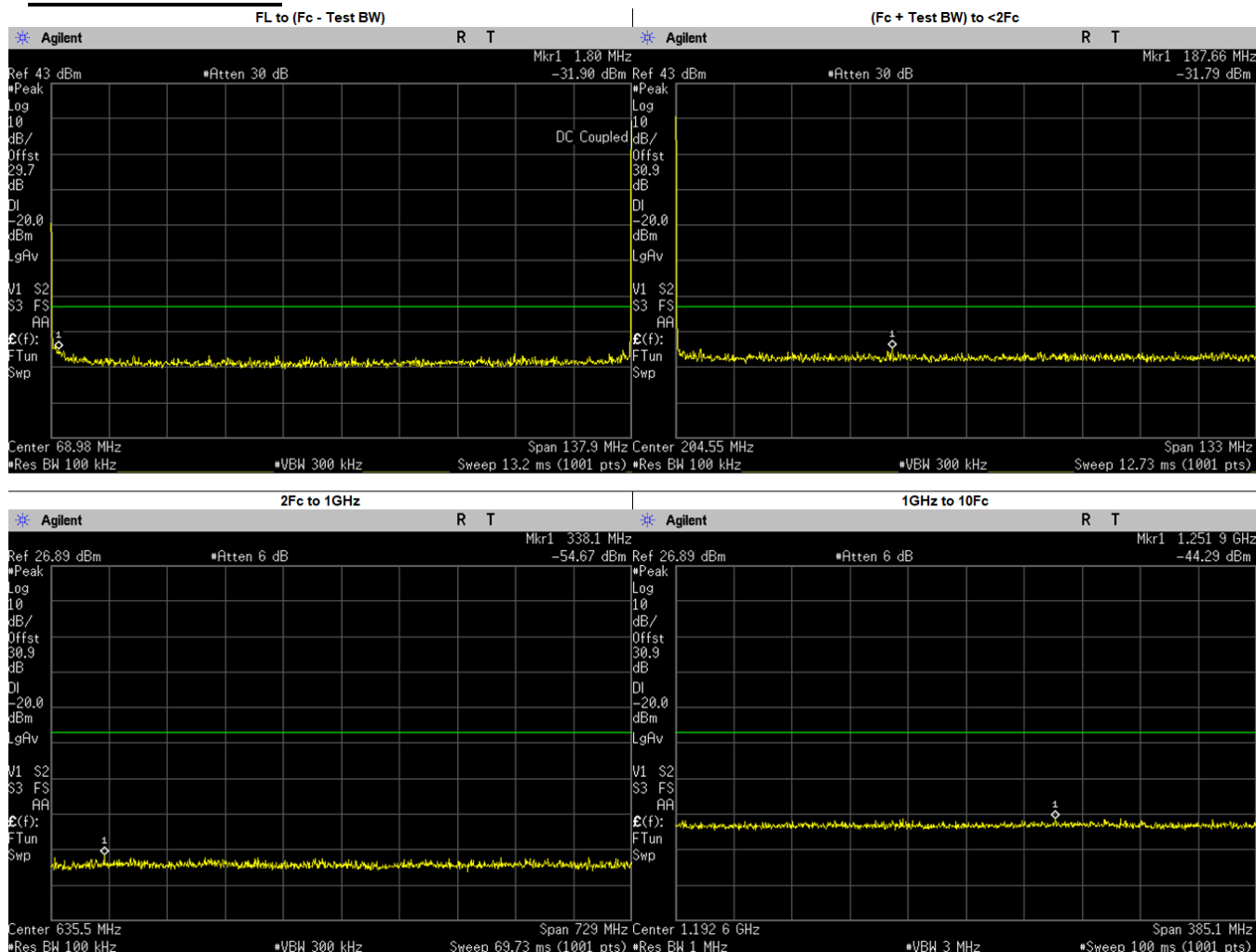
6.10.3. Test Result (Digital)

C4FM: 138.0125. MHz, 12.5.kHz Channel Spacing, Max.Power Not for FCC review



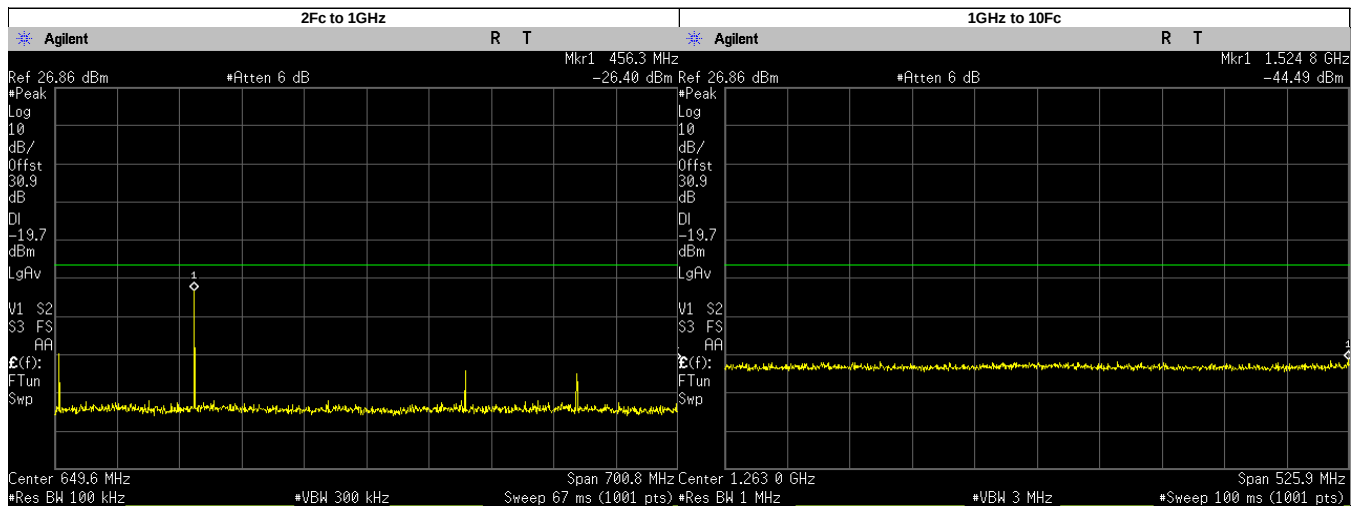
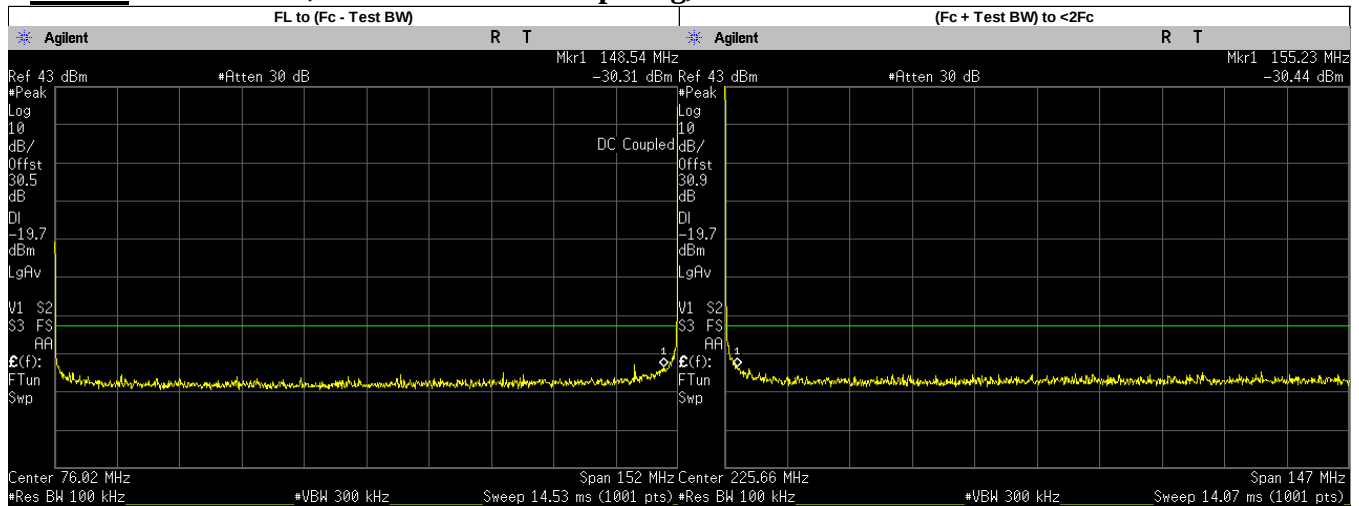
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.1100	-30.3700	-20.00	PASS
(Fc + Test BW) to <2Fc	141.5250	-31.3200	-20.00	PASS
2Fc to 1GHz	414.0000	-26.1500	-20.00	PASS
	552.0500	-57.3354	-20.00	PASS
	690.0625	-51.1718	-20.00	PASS
	828.0750	-58.0139	-20.00	PASS
	966.0875	-55.5781	-20.00	PASS
	276.0250	-38.6438	-20.00	PASS
	414.0375	-31.8927	-20.00	PASS
1GHz to 10Fc	1116.3080	-45.0000	-20.00	PASS
	1104.1000	-46.4789	-20.00	PASS
	1242.1120	-46.2829	-20.00	PASS
	1380.1250	-46.9974	-20.00	PASS

C4FM: 138.0125. MHz, 12.5.kHz Channel Spacing, Low.Power
Not for FCC review



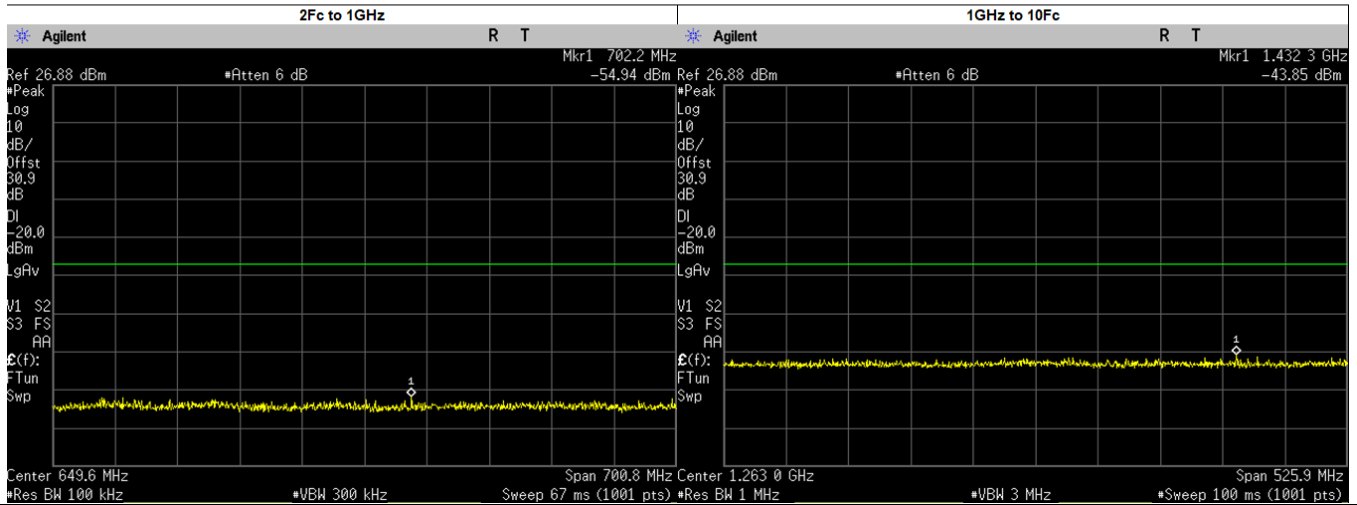
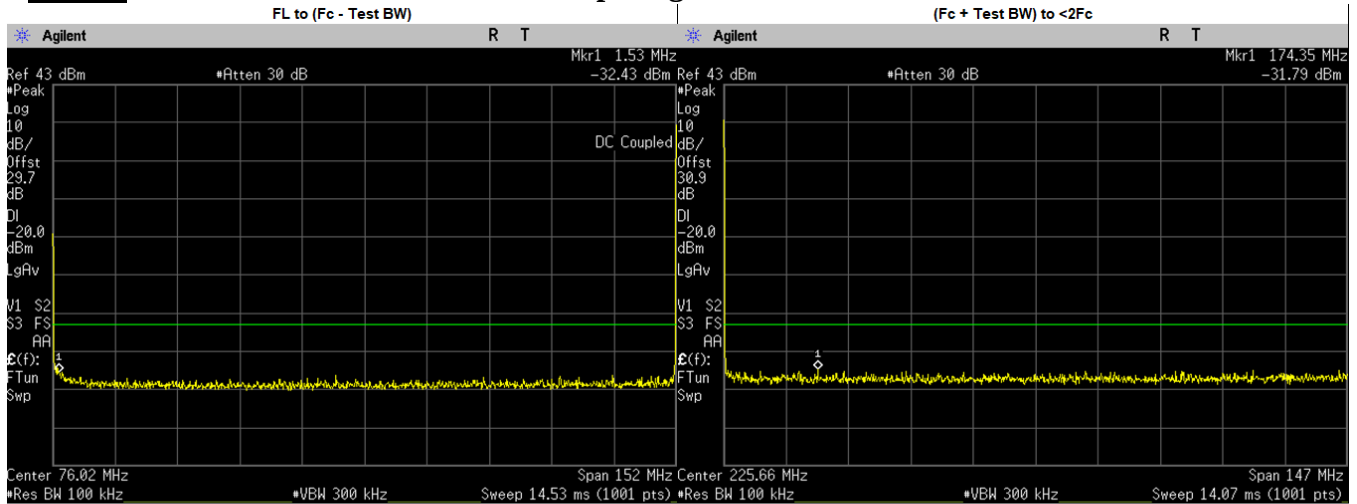
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.8000	-31.8980	-20.00	PASS
(Fc + Test BW) to <2Fc	187.6610	-31.7900	-20.00	PASS
2Fc to 1GHz	338.0907	-54.6700	-20.00	PASS
	276.0250	-55.6324	-20.00	PASS
	414.0375	-57.6799	-20.00	PASS
	552.0500	-57.6883	-20.00	PASS
	690.0625	-57.8917	-20.00	PASS
	828.0750	-57.9195	-20.00	PASS
	966.0875	-57.8307	-20.00	PASS
1GHz to 10Fc	1251.8720	-44.2900	-20.00	PASS
	1104.1000	-46.4112	-20.00	PASS
	1242.1120	-46.3086	-20.00	PASS
	1380.1250	-46.3741	-20.00	PASS

C4FM: 152.09. MHz, 12.5.kHz Channel Spacing, Max.Power



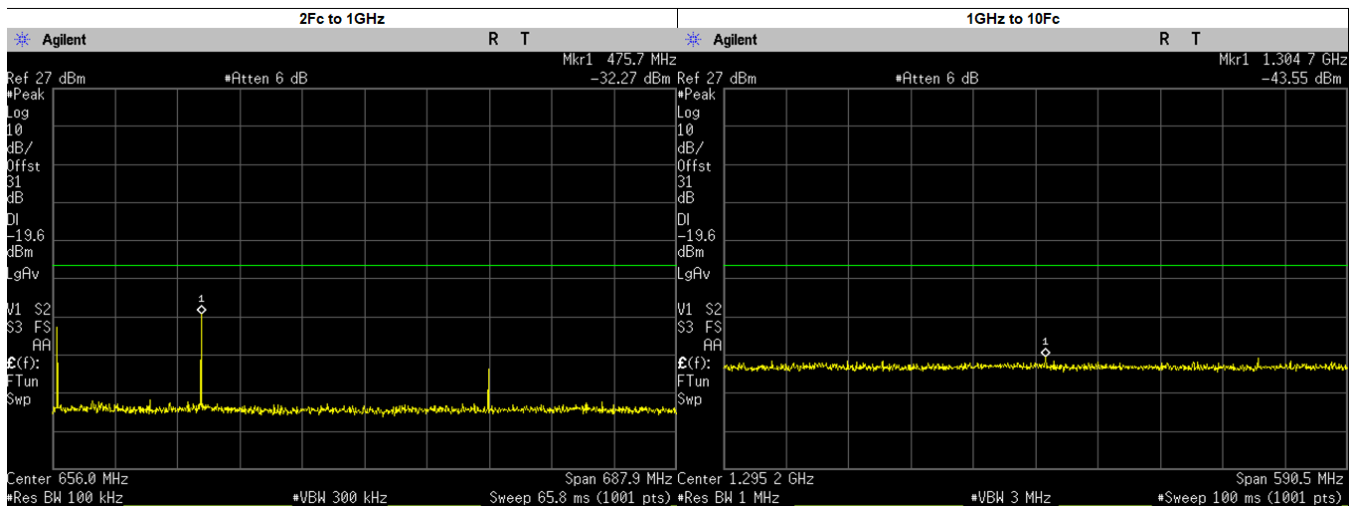
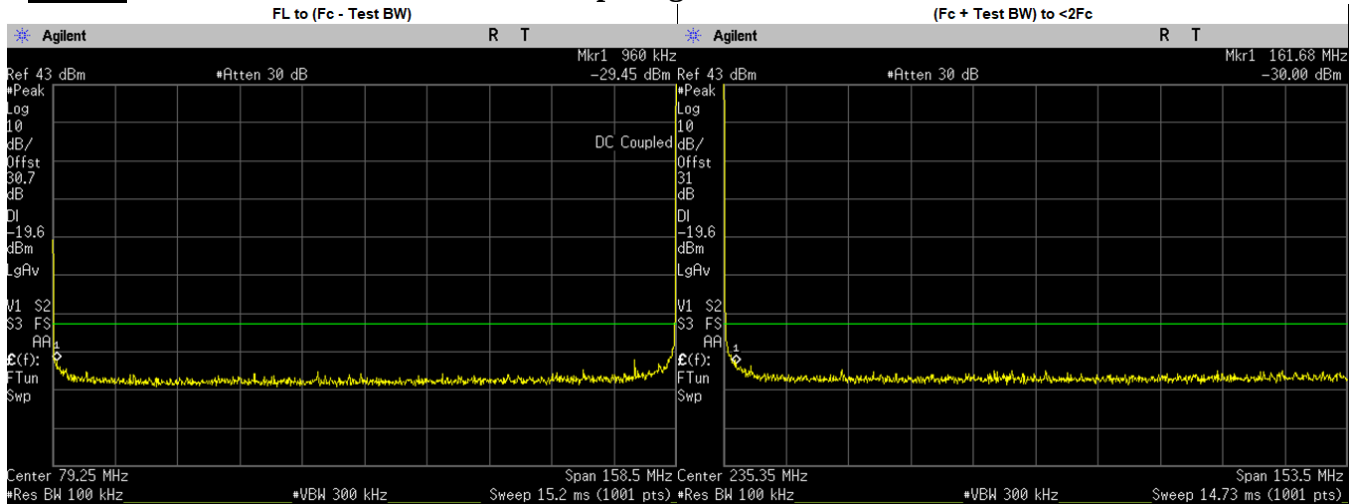
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	148.5400	-30.3110	-19.67	PASS
(Fc + Test BW) to <2Fc	155.2333	-30.4500	-19.67	PASS
2Fc to 1GHz	456.3000	-26.4000	-19.67	PASS
	304.1800	-44.9301	-19.67	PASS
	608.3600	-57.7044	-19.67	PASS
	760.4500	-49.2028	-19.67	PASS
	912.5400	-57.7721	-19.67	PASS
	456.2700	-30.9051	-19.67	PASS
1GHz to 10Fc	1524.8480	-44.4900	-19.67	PASS
	1064.6300	-46.6111	-19.67	PASS
	1216.7200	-46.0644	-19.67	PASS
	1368.8100	-46.0709	-19.67	PASS
	1520.9000	-46.4867	-19.67	PASS

C4FM: 152.09. MHz, 12.5.kHz Channel Spacing, Low Power



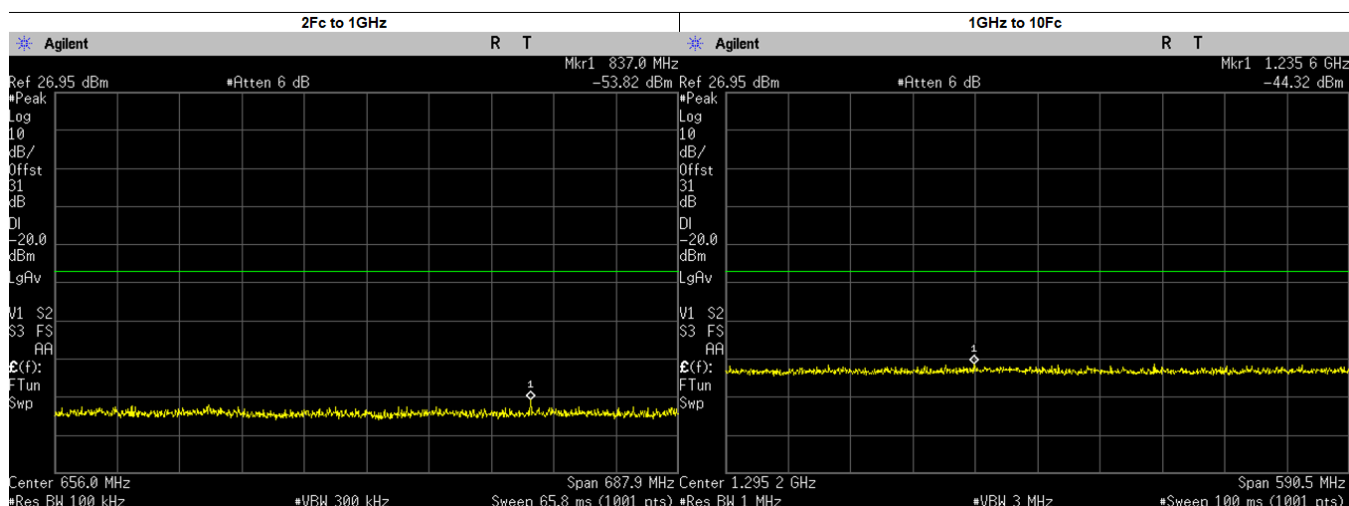
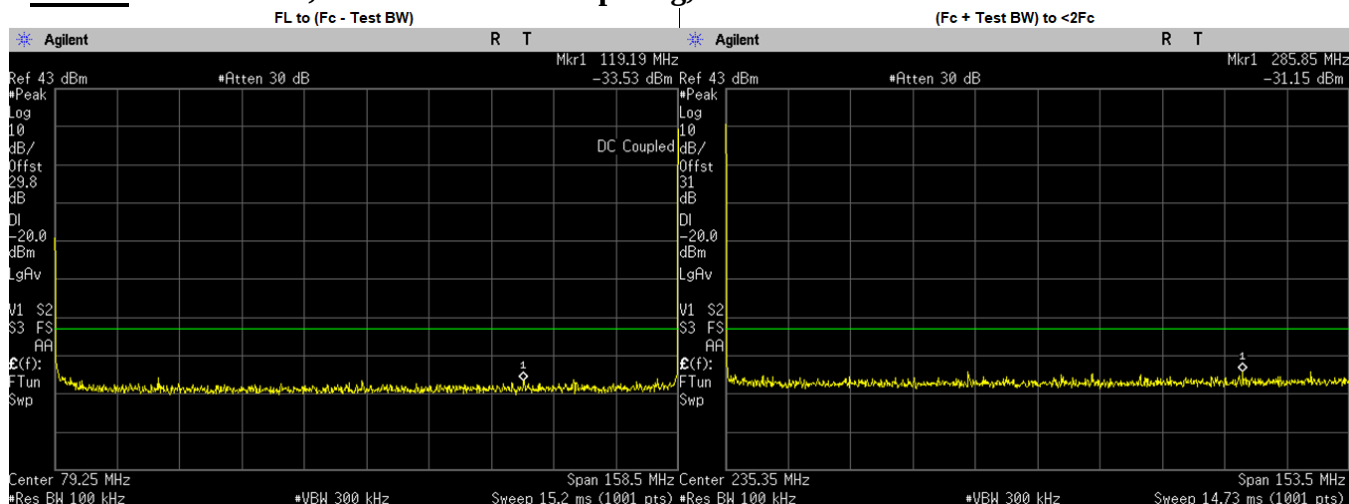
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.5300	-32.4280	-20.00	PASS
(Fc + Test BW) to <2Fc	174.3478	-31.7900	-20.00	PASS
2Fc to 1GHz	702.1515	-54.9400	-20.00	PASS
	304.1800	-57.6078	-20.00	PASS
	456.2700	-56.2835	-20.00	PASS
	608.3600	-57.3797	-20.00	PASS
	760.4500	-57.1720	-20.00	PASS
	912.5400	-56.2039	-20.00	PASS
1GHz to 10Fc	1432.2900	-43.8500	-20.00	PASS
	1064.6300	-46.1175	-20.00	PASS
	1216.7200	-46.3449	-20.00	PASS
	1368.8100	-46.1838	-20.00	PASS
	1520.9000	-46.2533	-20.00	PASS

C4FM: 158.55. MHz, 12.5.kHz Channel Spacing, Max.Power



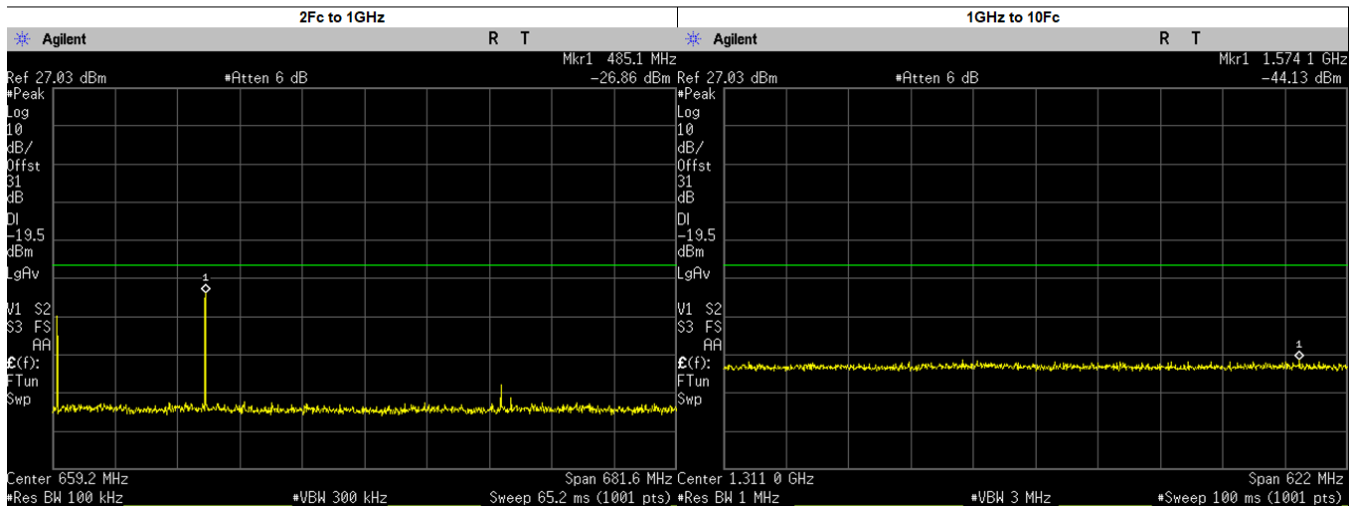
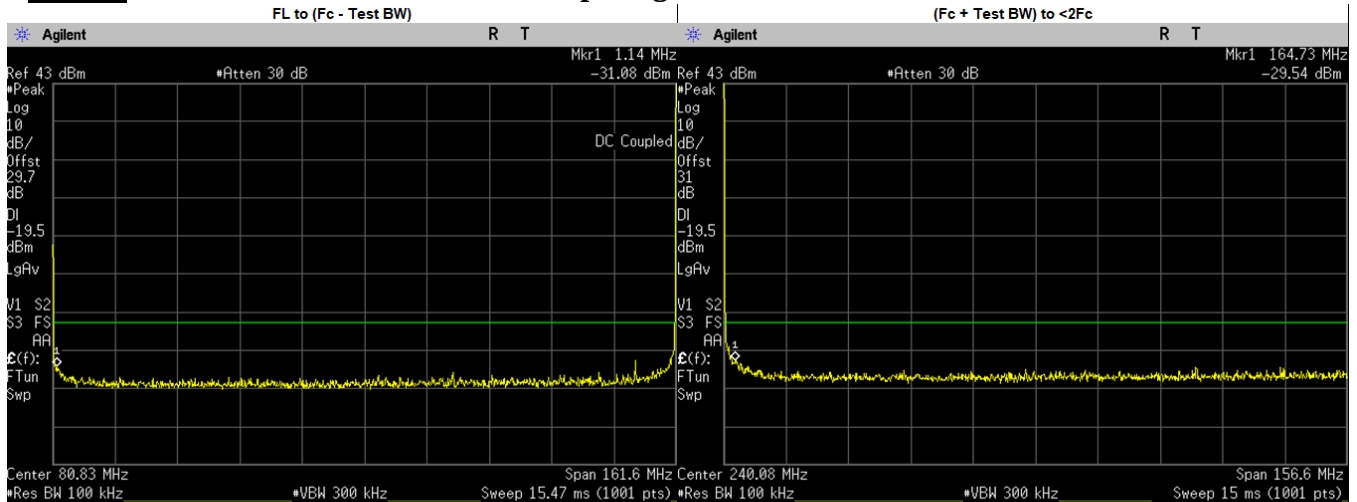
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.9600	-29.4520	-19.60	PASS
(Fc + Test BW) to <2Fc	161.6755	-30.0000	-19.60	PASS
2Fc to 1GHz	475.7000	-32.2700	-19.60	PASS
	317.1000	-40.7132	-19.60	PASS
	634.2000	-57.2645	-19.60	PASS
	792.7500	-49.5135	-19.60	PASS
	951.3000	-58.3127	-19.60	PASS
	475.6500	-38.1619	-19.60	PASS
1GHz to 10Fc	1304.6980	-43.5500	-19.60	PASS
	1109.8500	-45.7306	-19.60	PASS
	1268.4000	-45.6527	-19.60	PASS
	1426.9500	-45.7458	-19.60	PASS
	1585.5000	-46.3696	-19.60	PASS

C4FM: 158.55. MHz, 12.5.kHz Channel Spacing, Low.Power



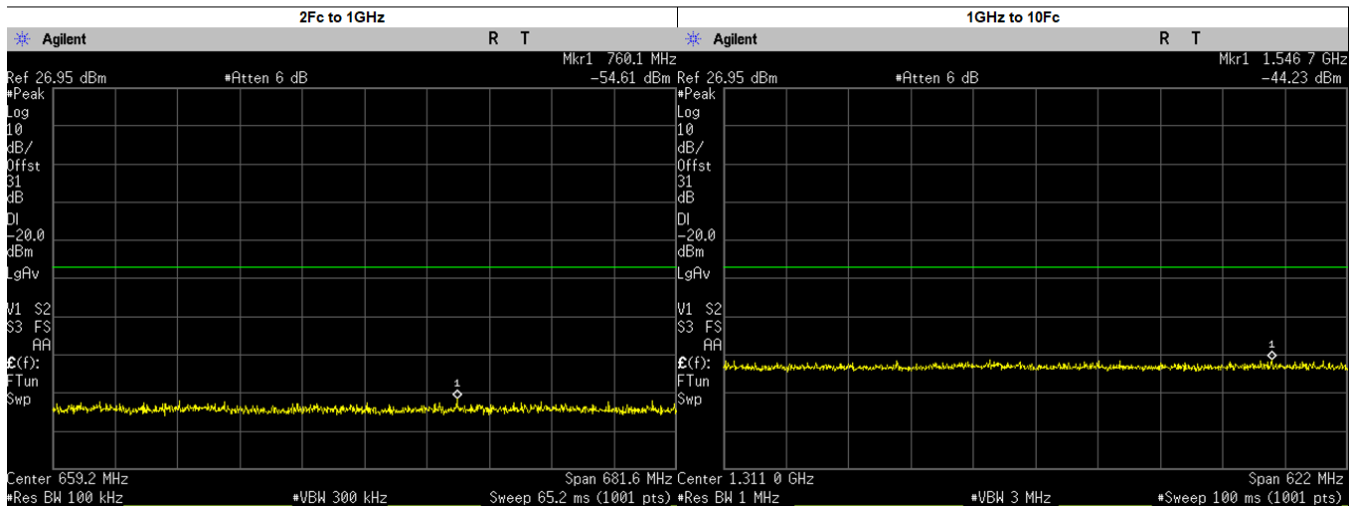
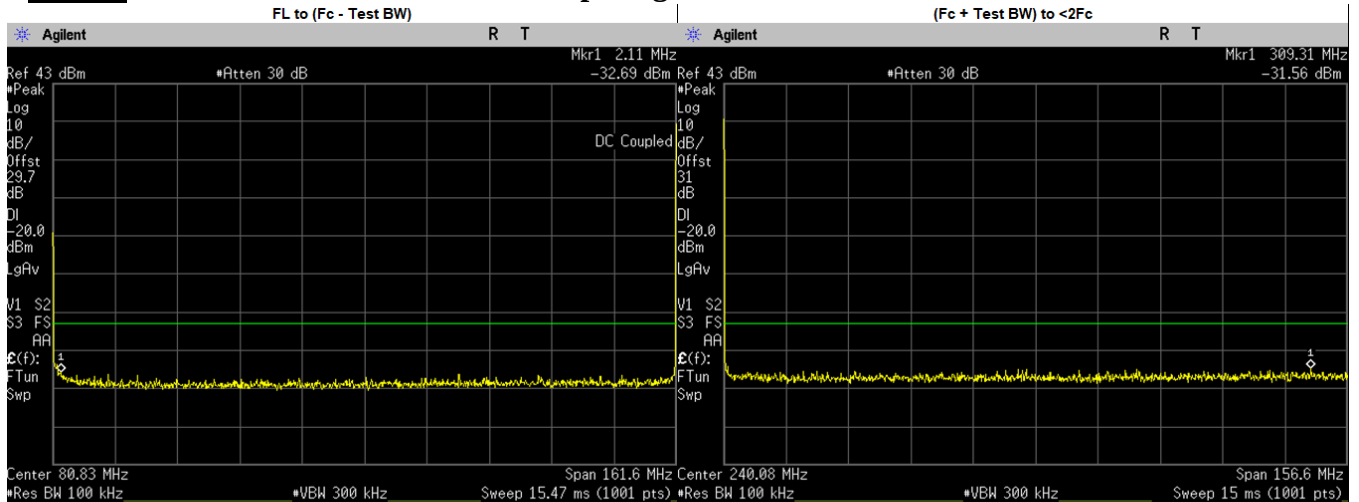
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	119.1900	-33.5330	-20.00	PASS
(Fc + Test BW) to <2Fc	285.8525	-31.1500	-20.00	PASS
2Fc to 1GHz	836.9677	-53.8200	-20.00	PASS
	317.1000	-56.9617	-20.00	PASS
	475.6500	-56.9938	-20.00	PASS
	634.2000	-57.3751	-20.00	PASS
	792.7500	-57.2223	-20.00	PASS
	951.3000	-57.5941	-20.00	PASS
1GHz to 10Fc	1235.6100	-44.3200	-20.00	PASS
	1109.8500	-46.4091	-20.00	PASS
	1268.4000	-45.3245	-20.00	PASS
	1426.9500	-46.4200	-20.00	PASS
	1585.5000	-45.8348	-20.00	PASS

C4FM: 161.7. MHz, 12.5.kHz Channel Spacing, Max Power



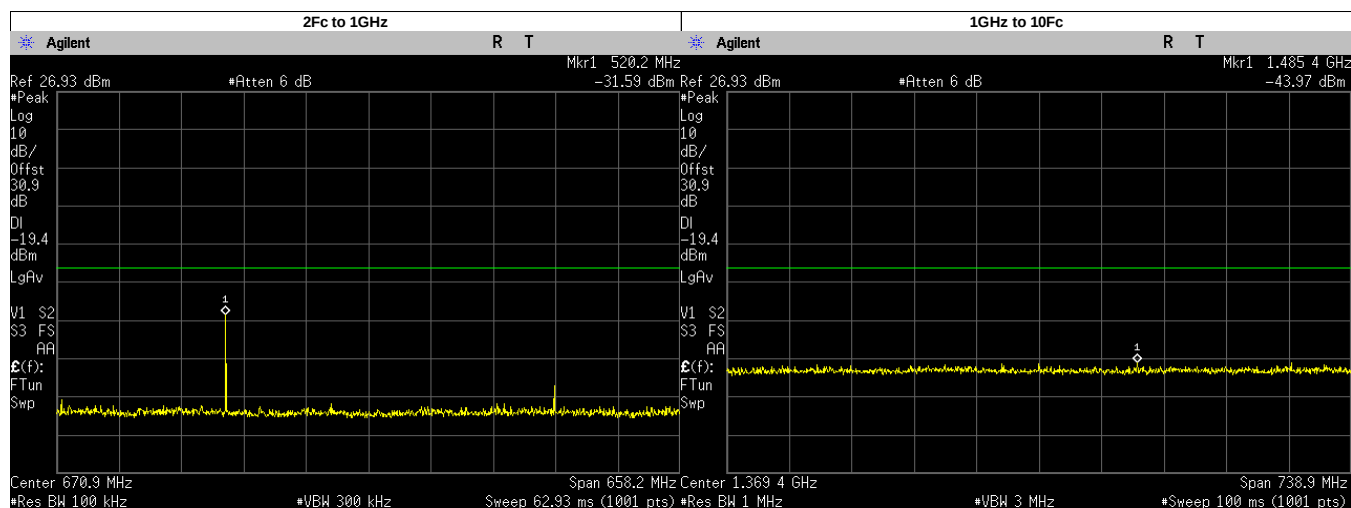
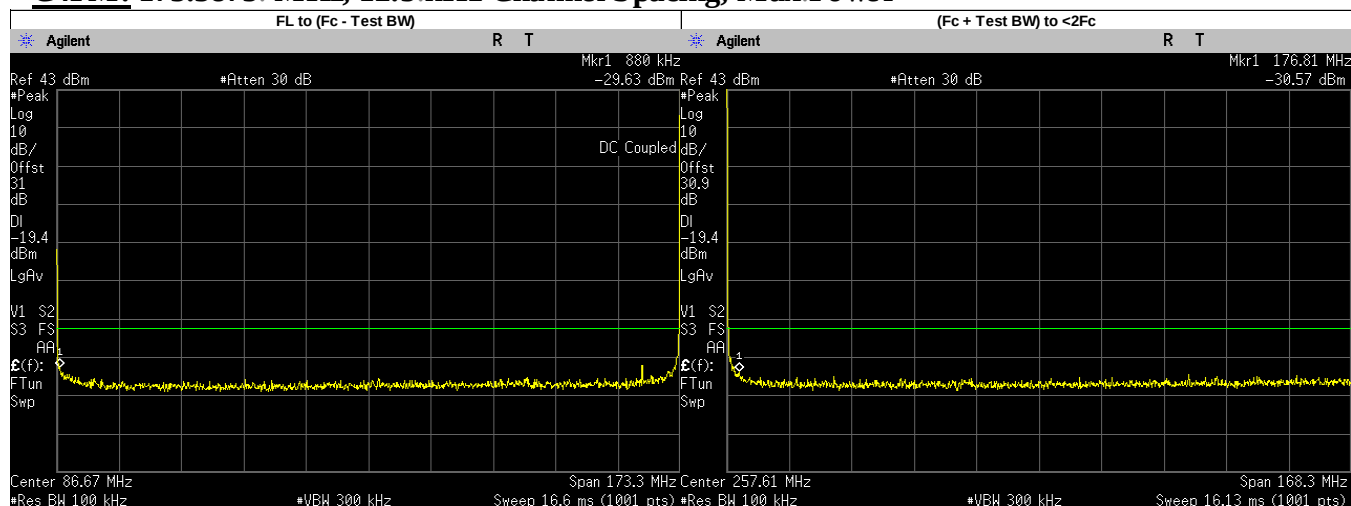
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.1400	-31.0840	-19.55	PASS
(Fc + Test BW) to <2Fc	164.7319	-29.5400	-19.55	PASS
2Fc to 1GHz	485.1000	-26.8600	-19.55	PASS
	808.5000	-51.0605	-19.55	PASS
	970.2000	-57.2196	-19.55	PASS
	484.7104	-28.8900	-19.55	PASS
	323.4000	-36.2859	-19.55	PASS
	485.1000	-27.7292	-19.55	PASS
1GHz to 10Fc	1574.1060	-44.1300	-19.55	PASS
	1131.9000	-46.4902	-19.55	PASS
	1293.6000	-45.1370	-19.55	PASS
	1455.3000	-45.8238	-19.55	PASS
	1617.0000	-46.2368	-19.55	PASS

C4FM: 161.7. MHz, 12.5.kHz Channel Spacing, Low Power



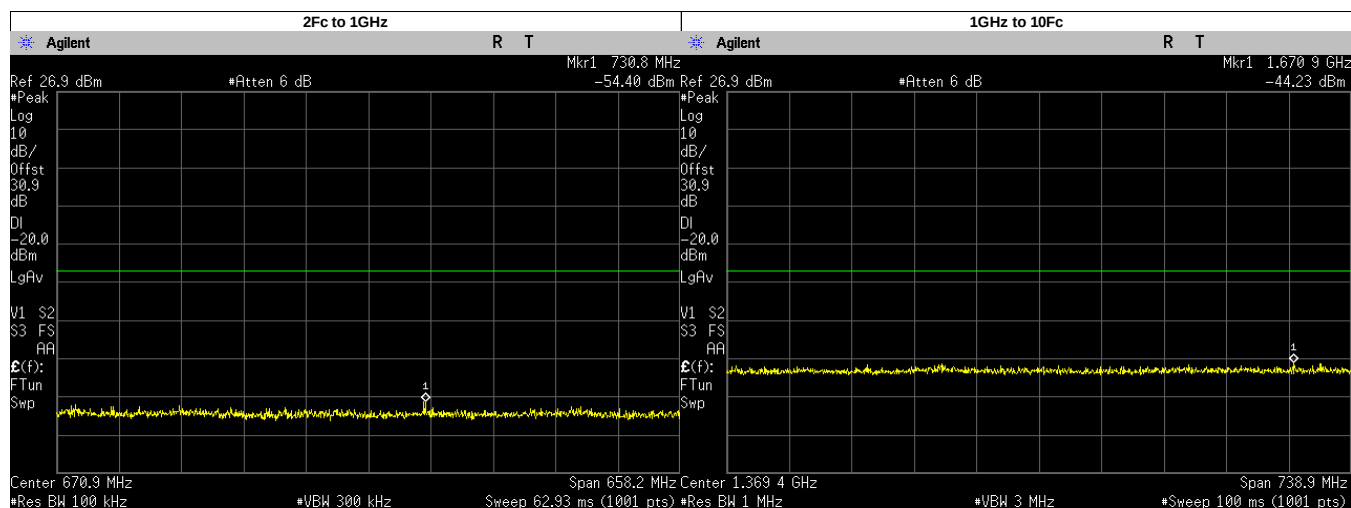
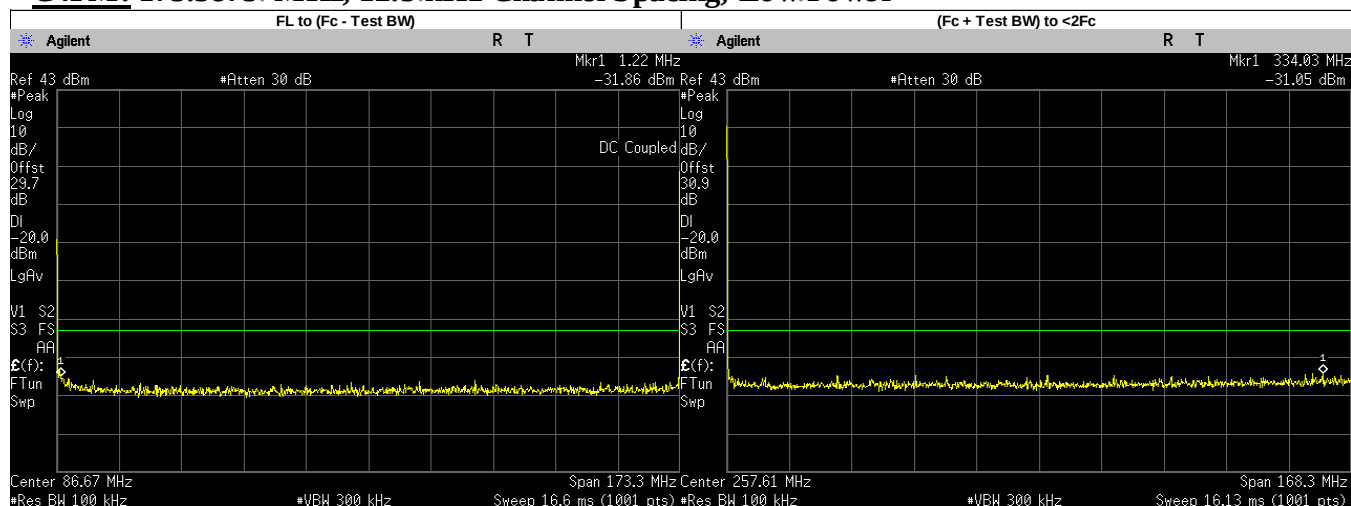
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	2.1100	-32.6900	-20.00	PASS
(Fc + Test BW) to <2Fc	309.3146	-31.5600	-20.00	PASS
2Fc to 1GHz	760.0768	-54.6100	-20.00	PASS
	323.4000	-56.5066	-20.00	PASS
	485.1000	-56.7480	-20.00	PASS
	646.8000	-57.7790	-20.00	PASS
	808.5000	-57.6517	-20.00	PASS
	970.2000	-57.2320	-20.00	PASS
1GHz to 10Fc	1546.7380	-44.2300	-20.00	PASS
	1131.9000	-46.9788	-20.00	PASS
	1293.6000	-45.5223	-20.00	PASS
	1455.3000	-45.8301	-20.00	PASS
	1617.0000	-46.5886	-20.00	PASS

C4FM: 173.3875. MHz, 12.5.kHz Channel Spacing, Max.Power



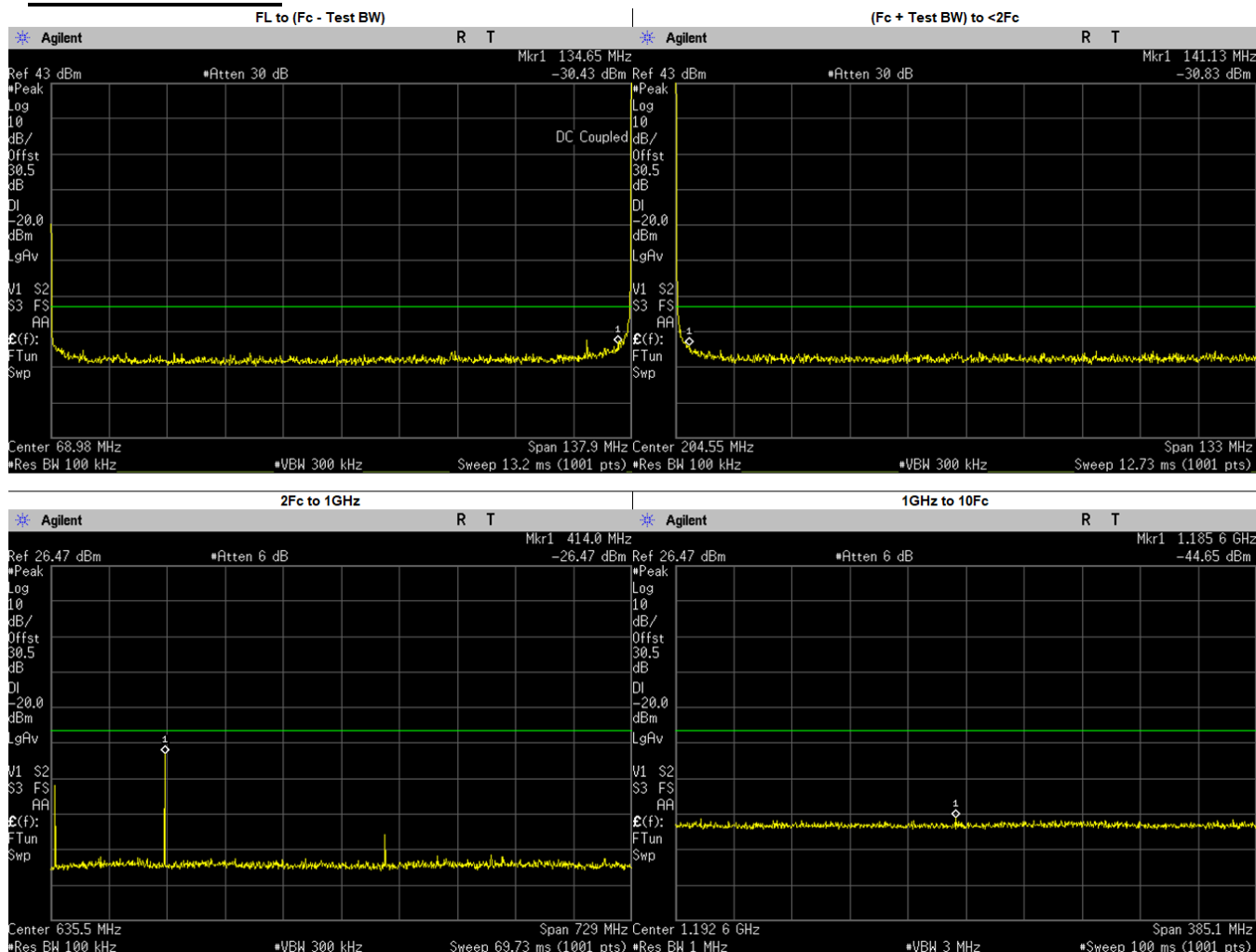
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.8800	-29.6260	-19.41	PASS
(Fc + Test BW) to <2Fc	176.8098	-30.5700	-19.41	PASS
2Fc to 1GHz	520.2000	-31.5900	-19.41	PASS
	346.7750	-54.6004	-19.41	PASS
	693.5500	-57.9487	-19.41	PASS
	866.9375	-51.0285	-19.41	PASS
	520.1625	-31.9168	-19.41	PASS
1GHz to 10Fc	1485.4410	-43.9700	-19.41	PASS
	1040.3250	-46.2082	-19.41	PASS
	1213.7130	-46.2297	-19.41	PASS
	1387.1000	-45.7879	-19.41	PASS
	1560.4870	-46.1297	-19.41	PASS
	1733.8750	-46.7658	-19.41	PASS

C4FM: 173.3875. MHz, 12.5.kHz Channel Spacing, Low.Power



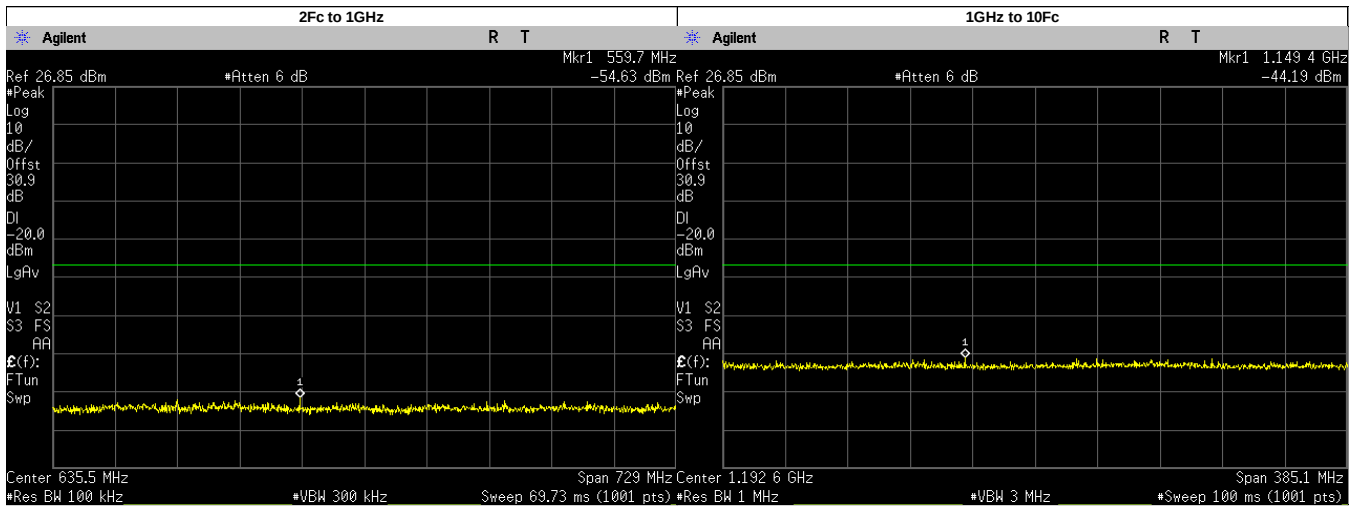
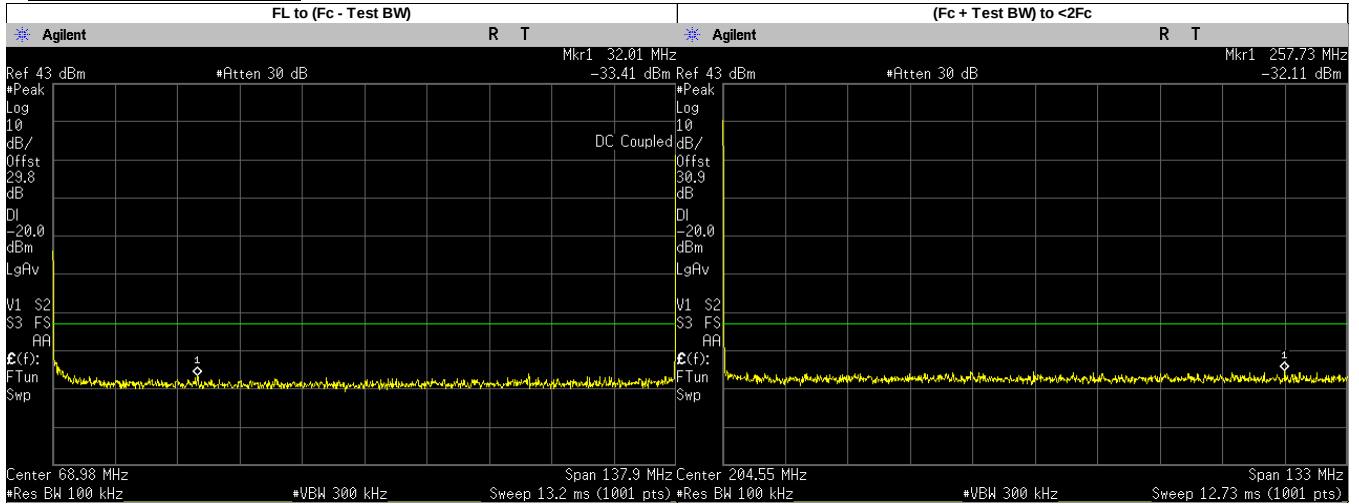
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.2200	-31.8630	-20.00	PASS
(Fc + Test BW) to <2Fc	334.0317	-31.0500	-20.00	PASS
2Fc to 1GHz	730.7860	-54.4000	-20.00	PASS
	346.7750	-56.9306	-20.00	PASS
	520.1625	-57.3716	-20.00	PASS
	693.5500	-57.8261	-20.00	PASS
	866.9375	-57.7801	-20.00	PASS
1GHz to 10Fc	1670.8990	-44.2300	-20.00	PASS
	1040.3250	-46.2920	-20.00	PASS
	1213.7130	-46.2805	-20.00	PASS
	1387.1000	-46.3070	-20.00	PASS
	1560.4870	-46.1368	-20.00	PASS
	1733.8750	-46.2907	-20.00	PASS

FSK: 138.0125 MHz, 12.5 kHz Channel Spacing, Max Power
Not for FCC review



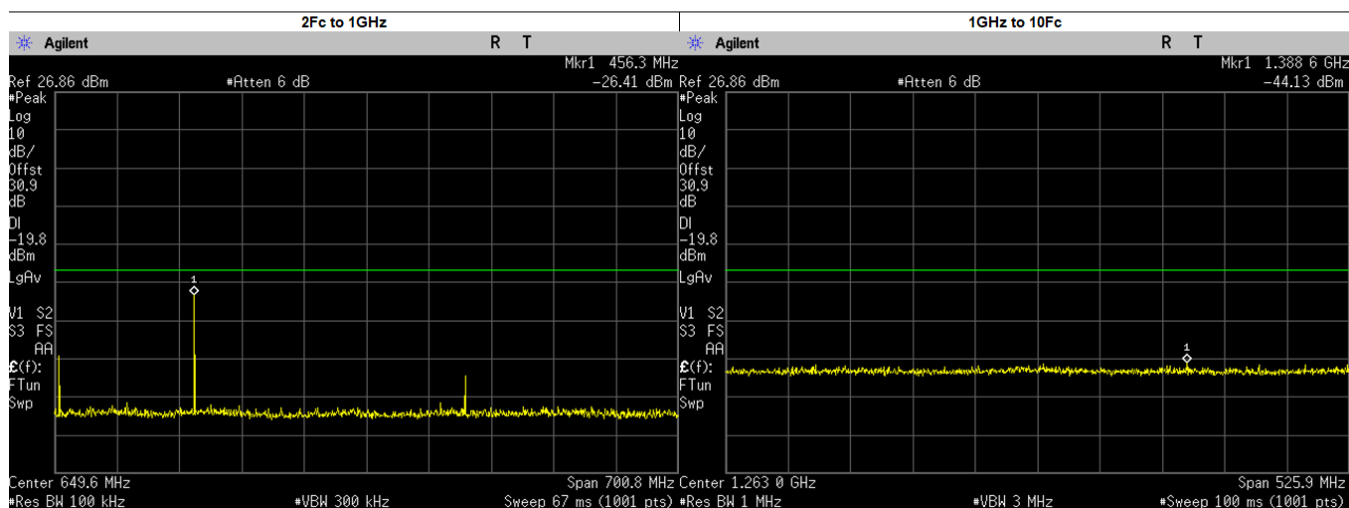
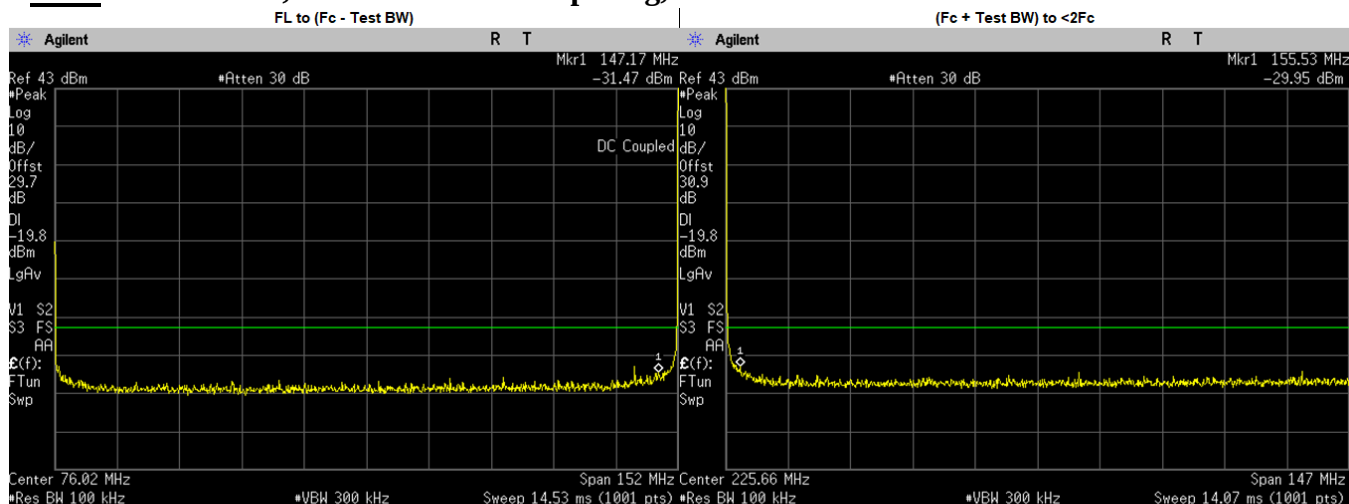
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	134.6500	-30.4280	-20.00	PASS
(Fc + Test BW) to <2Fc	141.1261	-30.8300	-20.00	PASS
2Fc to 1GHz	414.0000	-26.4700	-20.00	PASS
	552.0500	-57.7879	-20.00	PASS
	690.0625	-50.7209	-20.00	PASS
	828.0750	-57.0415	-20.00	PASS
	966.0875	-56.0888	-20.00	PASS
	276.0250	-38.5328	-20.00	PASS
	414.0375	-32.2866	-20.00	PASS
1GHz to 10Fc	1185.6300	-44.6500	-20.00	PASS
	1104.1000	-46.7211	-20.00	PASS
	1242.1120	-45.5474	-20.00	PASS
	1380.1250	-46.9244	-20.00	PASS

FSK: 138.0125 MHz, 12.5 kHz Channel Spacing, Low Power
Not for FCC review



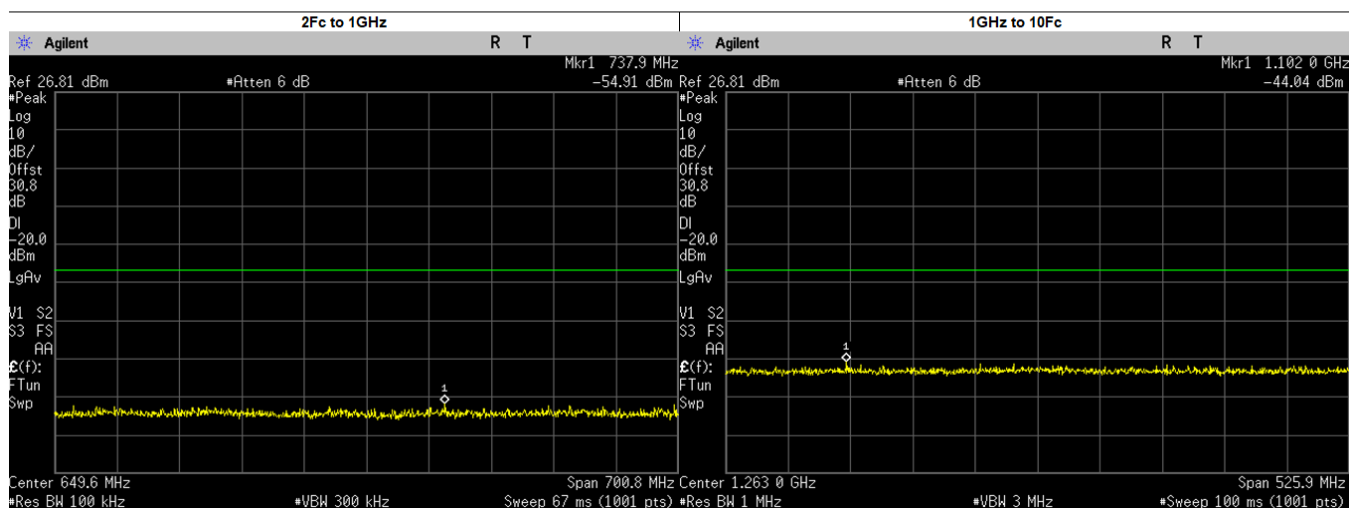
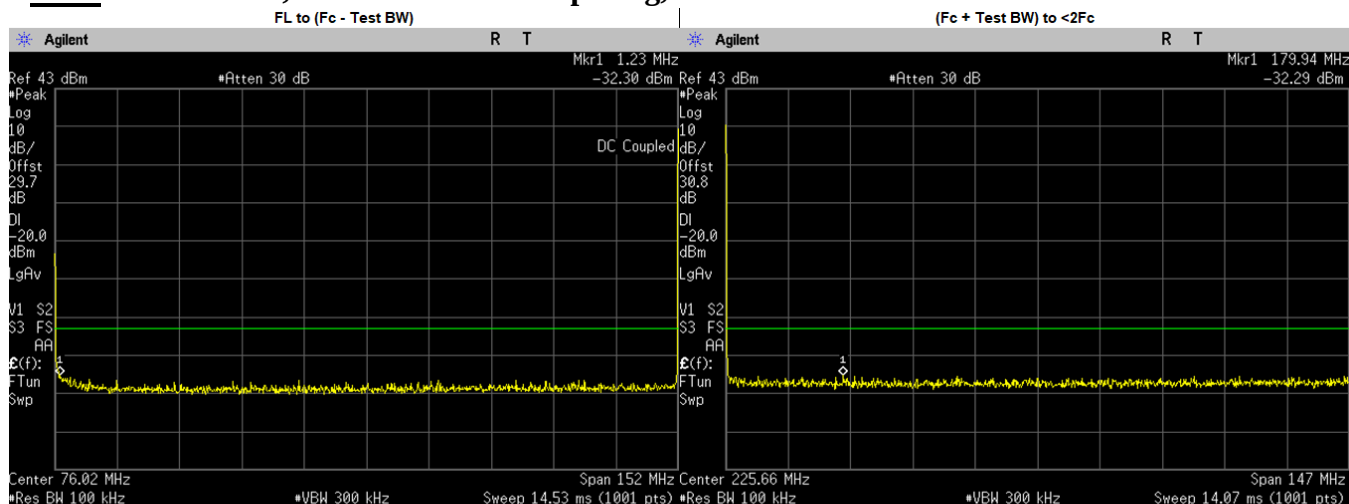
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	32.0100	-33.4080	-20.00	PASS
(Fc + Test BW) to <2Fc	257.7293	-32.1100	-20.00	PASS
2Fc to 1GHz	559.6991	-54.6300	-20.00	PASS
	276.0250	-57.5747	-20.00	PASS
	414.0375	-56.9855	-20.00	PASS
	552.0500	-58.0688	-20.00	PASS
	690.0625	-57.0518	-20.00	PASS
	828.0750	-58.3717	-20.00	PASS
	966.0875	-57.2719	-20.00	PASS
1GHz to 10Fc	1149.4280	-44.1900	-20.00	PASS
	1104.1000	-46.6777	-20.00	PASS
	1242.1120	-45.6757	-20.00	PASS
	1380.1250	-46.4308	-20.00	PASS

FSK: 152.09 MHz, 12.5 kHz Channel Spacing, Max Power



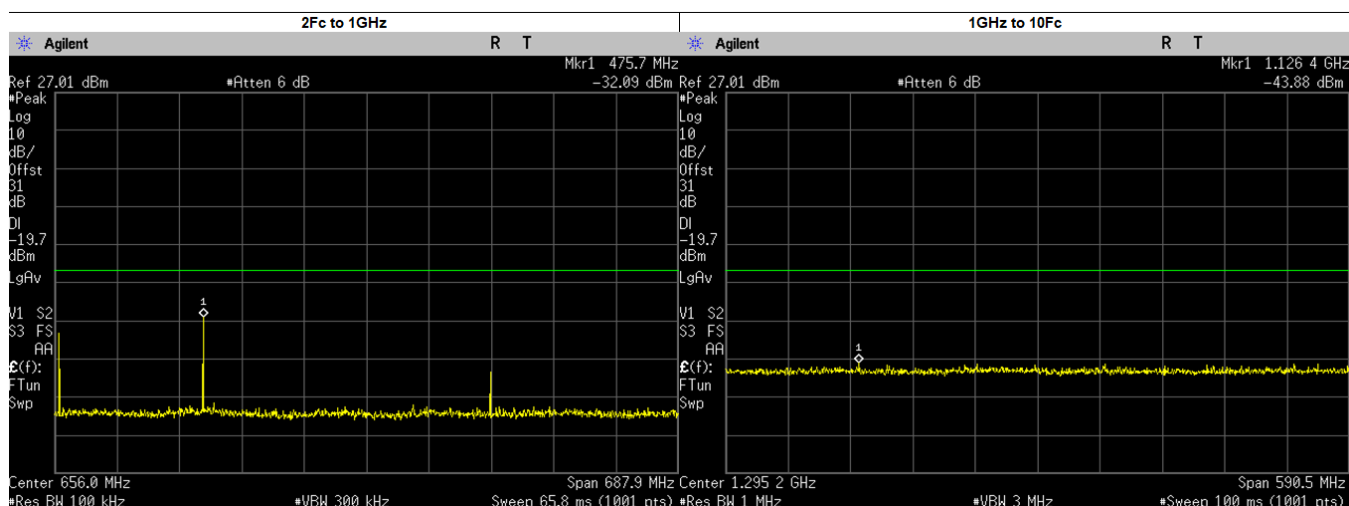
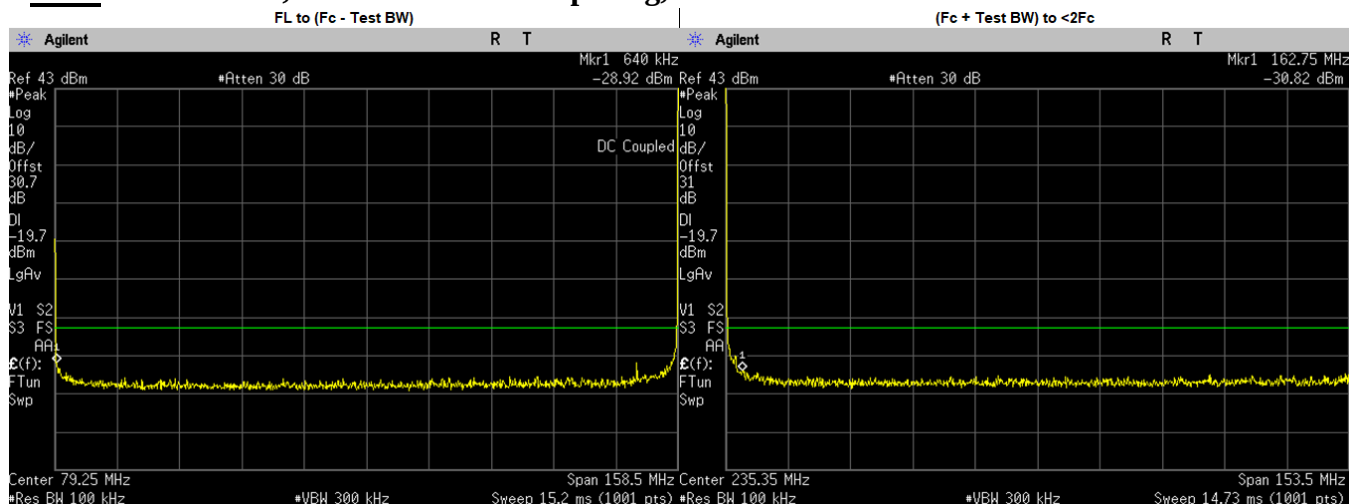
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	147.1700	-31.4710	-19.79	PASS
(Fc + Test BW) to <2Fc	155.5274	-29.9500	-19.79	PASS
2Fc to 1GHz	456.3000	-26.4100	-19.79	PASS
	304.1800	-44.4976	-19.79	PASS
	608.3600	-57.3571	-19.79	PASS
	760.4500	-49.4991	-19.79	PASS
	912.5400	-57.1896	-19.79	PASS
	456.2700	-31.1569	-19.79	PASS
1GHz to 10Fc	1388.6400	-44.1300	-19.79	PASS
	1064.6300	-45.8602	-19.79	PASS
	1216.7200	-46.3510	-19.79	PASS
	1368.8100	-46.1075	-19.79	PASS
	1520.9000	-46.5753	-19.79	PASS

FSK: 152.09. MHz, 12.5 kHz Channel Spacing, Low Power



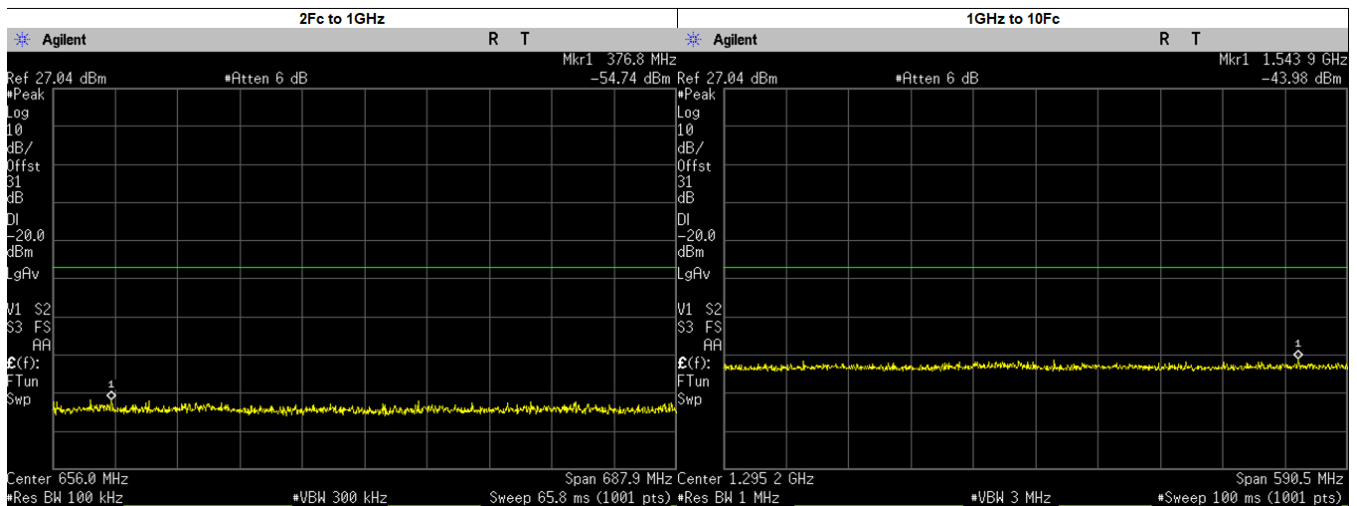
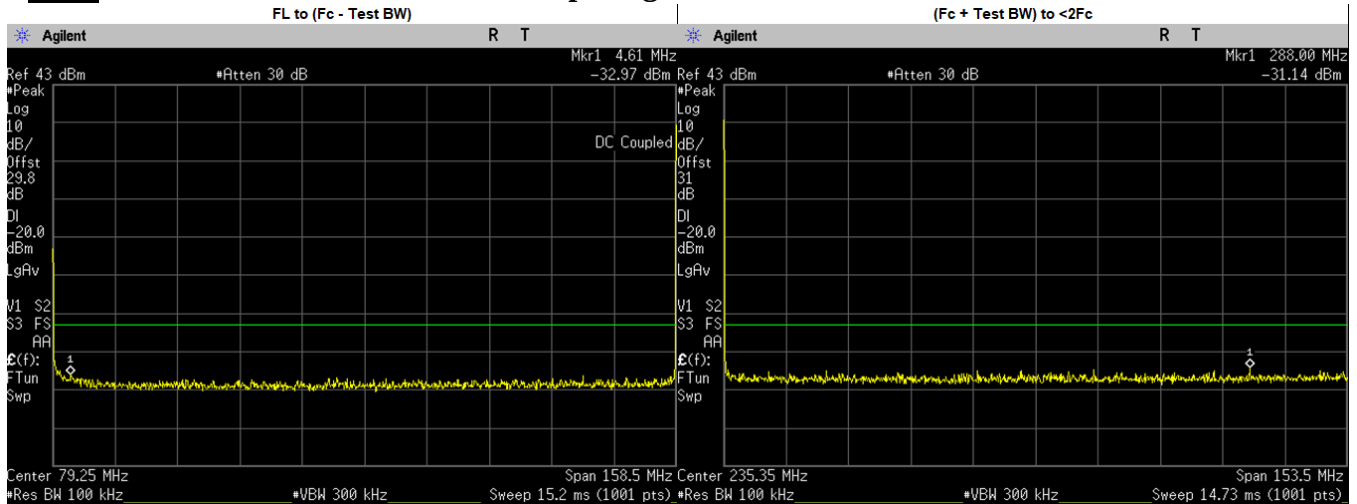
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.2300	-32.3010	-20.00	PASS
(Fc + Test BW) to <2Fc	179.9351	-32.3000	-20.00	PASS
2Fc to 1GHz	737.8933	-54.9100	-20.00	PASS
	304.1800	-58.3490	-20.00	PASS
	456.2700	-56.8320	-20.00	PASS
	608.3600	-56.8460	-20.00	PASS
	760.4500	-57.6291	-20.00	PASS
	912.5400	-57.0002	-20.00	PASS
1GHz to 10Fc	1102.0250	-44.0400	-20.00	PASS
	1064.6300	-45.5442	-20.00	PASS
	1216.7200	-45.8250	-20.00	PASS
	1368.8100	-46.3510	-20.00	PASS
	1520.9000	-46.0784	-20.00	PASS

FSK: 158.55 MHz, 12.5 kHz Channel Spacing, Max Power



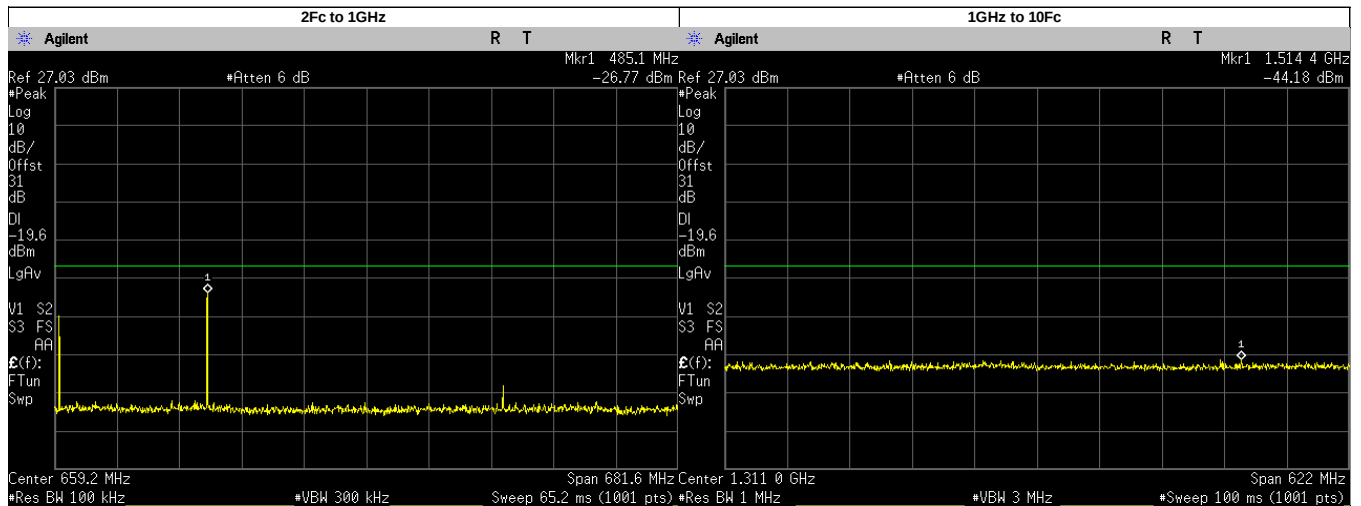
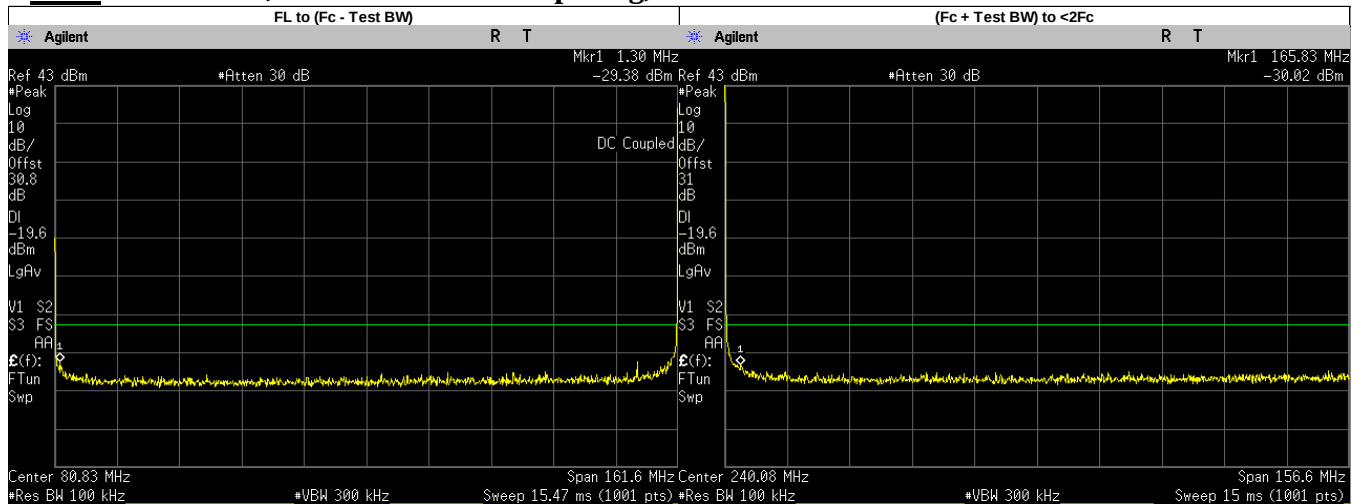
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.6400	-28.9200	-19.71	PASS
(Fc + Test BW) to <2Fc	162.7500	-30.8200	-19.71	PASS
2Fc to 1GHz	475.7000	-32.0900	-19.71	PASS
	317.1000	-41.1825	-19.71	PASS
	634.2000	-56.3583	-19.71	PASS
	792.7500	-49.5322	-19.71	PASS
	951.3000	-57.3046	-19.71	PASS
	475.6500	-38.0422	-19.71	PASS
1GHz to 10Fc	1126.3670	-43.8800	-19.71	PASS
	1109.8500	-46.0086	-19.71	PASS
	1268.4000	-46.1325	-19.71	PASS
	1426.9500	-45.5693	-19.71	PASS
	1585.5000	-45.8971	-19.71	PASS

FSK: 158.55. MHz, 12.5 kHz Channel Spacing, Low Power



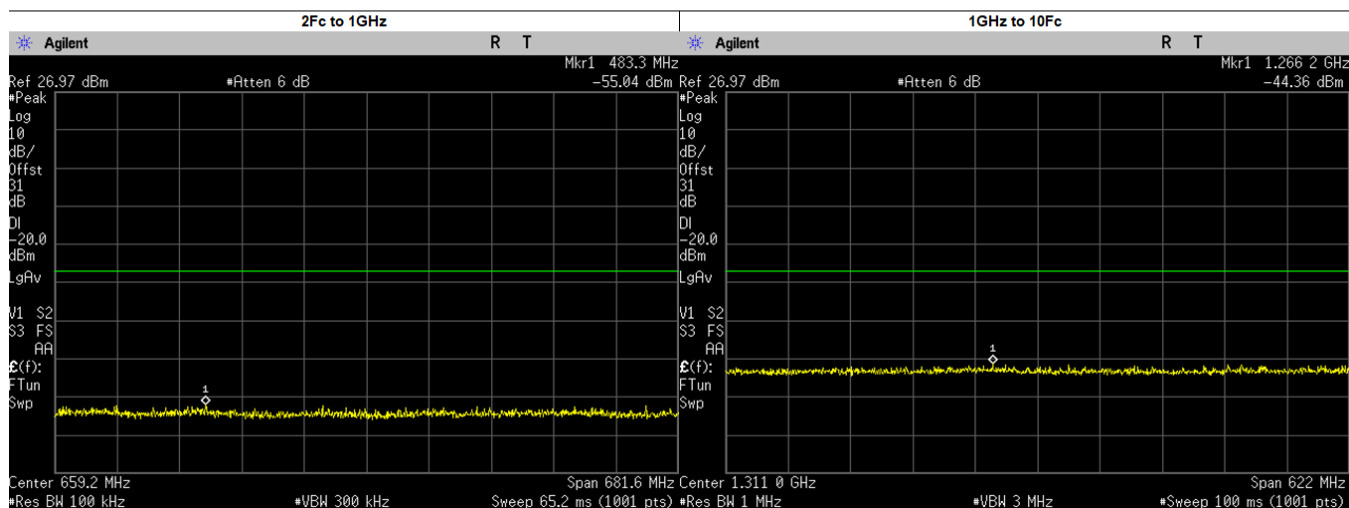
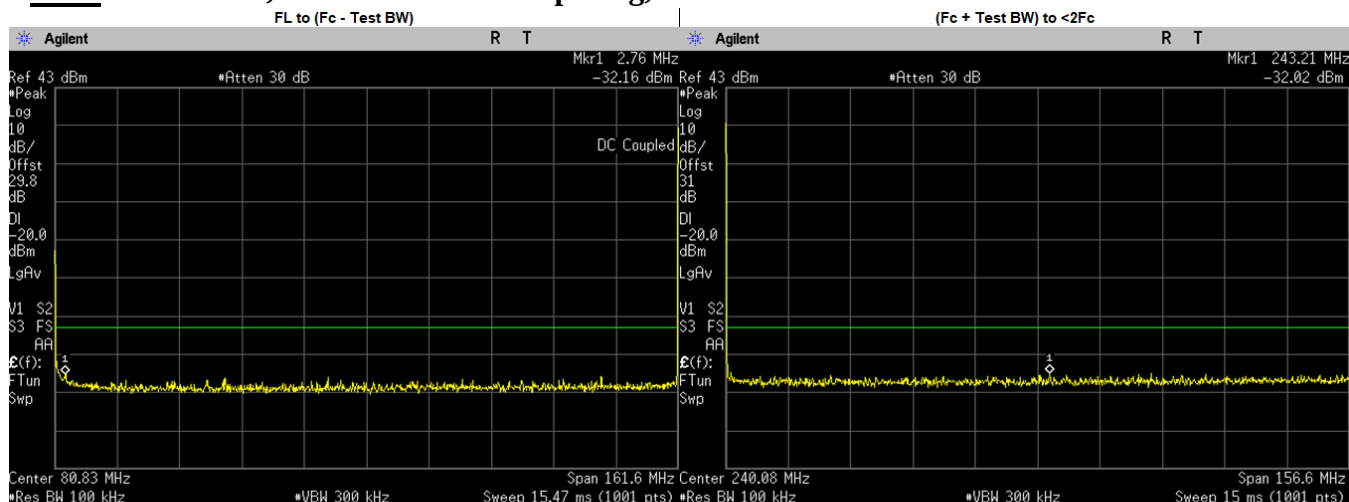
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	4.6100	-32.9680	-20.00	PASS
(Fc + Test BW) to <2Fc	288.0014	-31.1400	-20.00	PASS
2Fc to 1GHz	376.7626	-54.7400	-20.00	PASS
	317.1000	-56.8533	-20.00	PASS
	475.6500	-56.1972	-20.00	PASS
	634.2000	-57.4728	-20.00	PASS
	792.7500	-57.6452	-20.00	PASS
	951.3000	-56.8417	-20.00	PASS
1GHz to 10Fc	1543.8510	-43.9800	-20.00	PASS
	1109.8500	-46.0410	-20.00	PASS
	1268.4000	-45.7173	-20.00	PASS
	1426.9500	-45.6656	-20.00	PASS
	1585.5000	-45.8021	-20.00	PASS

FSK: 161.7. MHz, 12.5 kHz Channel Spacing, Max Power



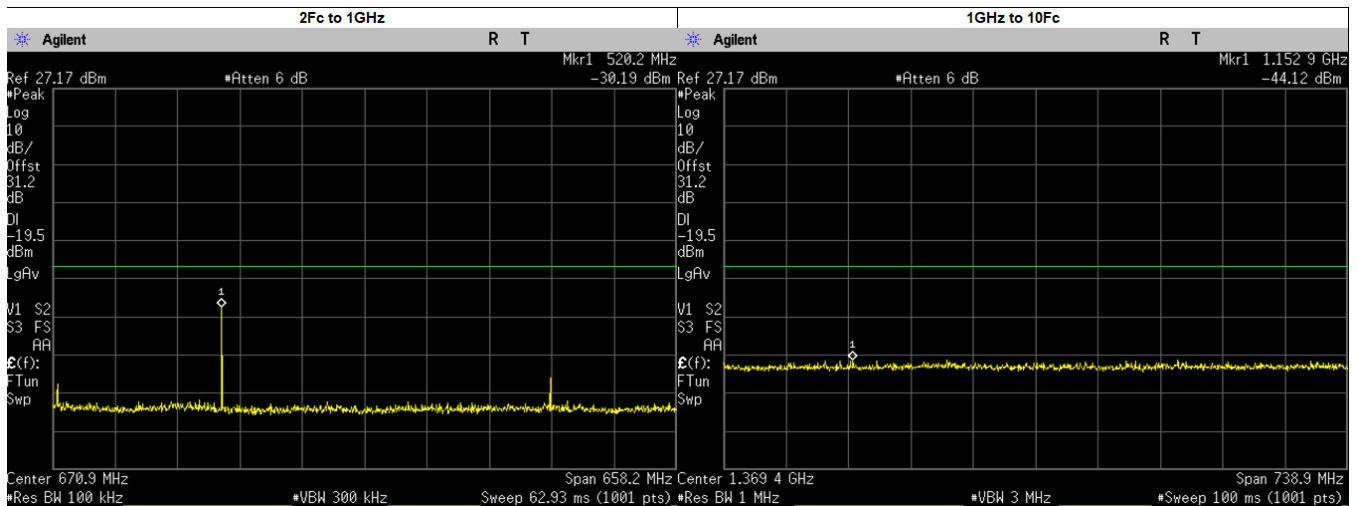
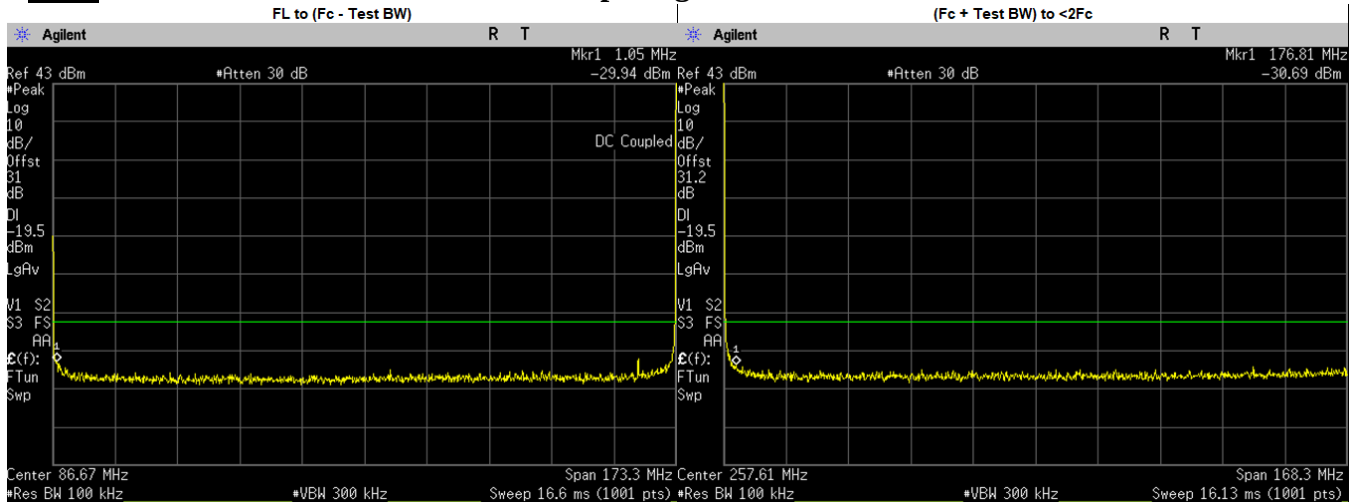
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.3000	-29.3800	-19.59	PASS
(Fc + Test BW) to <2Fc	165.8284	-30.0200	-19.59	PASS
2Fc to 1GHz	485.1000	-26.7700	-19.59	PASS
	808.5000	-51.2002	-19.59	PASS
	970.2000	-57.6355	-19.59	PASS
	484.7104	-29.0500	-19.59	PASS
	323.4000	-36.3847	-19.59	PASS
	485.1000	-27.7443	-19.59	PASS
1GHz to 10Fc	1514.3940	-44.1800	-19.59	PASS
	1131.9000	-45.0578	-19.59	PASS
	1293.6000	-46.1946	-19.59	PASS
	1455.3000	-46.4287	-19.59	PASS
	1617.0000	-46.5835	-19.59	PASS

FSK: 161.7. MHz, 12.5 kHz Channel Spacing, Low Power



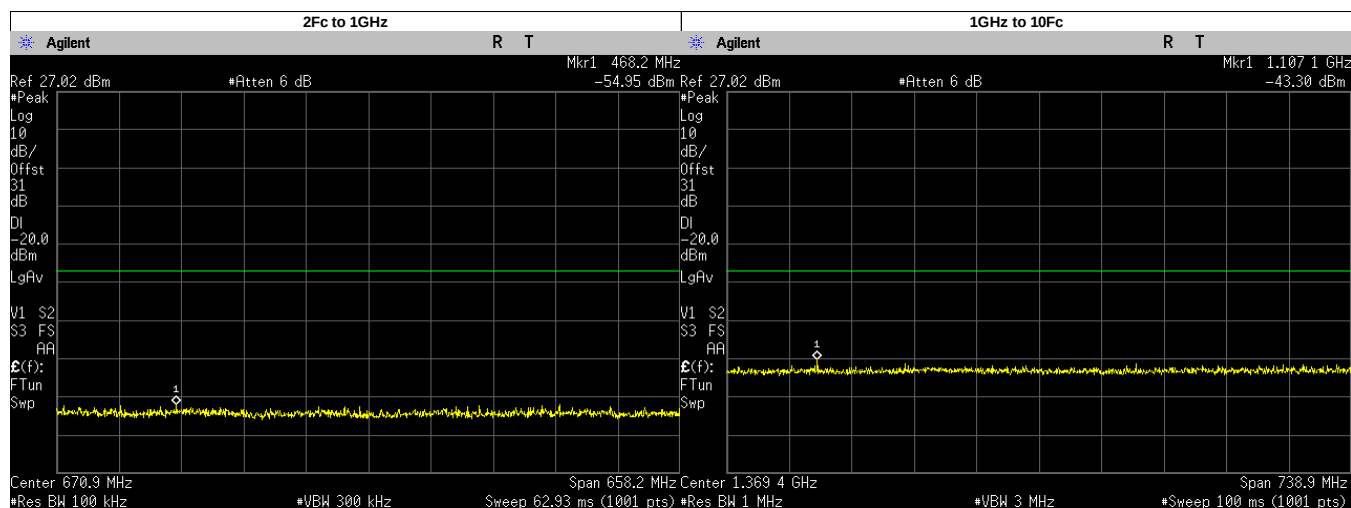
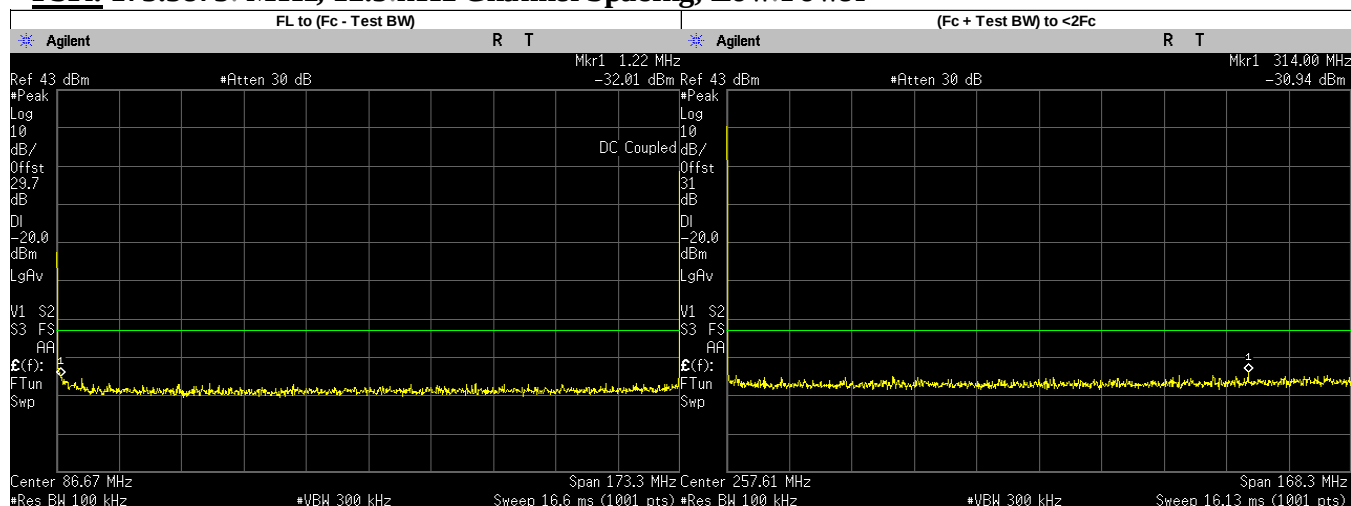
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	2.7600	-32.1570	-20.00	PASS
(Fc + Test BW) to <2Fc	243.2107	-32.0200	-20.00	PASS
2Fc to 1GHz	483.3472	-55.0500	-20.00	PASS
	323.4000	-56.8761	-20.00	PASS
	485.1000	-57.1802	-20.00	PASS
	646.8000	-57.4814	-20.00	PASS
	808.5000	-57.6772	-20.00	PASS
	970.2000	-57.3949	-20.00	PASS
1GHz to 10Fc	1266.2160	-44.3600	-20.00	PASS
	1131.9000	-45.7095	-20.00	PASS
	1293.6000	-46.4970	-20.00	PASS
	1455.3000	-45.9899	-20.00	PASS
	1617.0000	-46.3466	-20.00	PASS

FSK: 173.3875 MHz, 12.5 kHz Channel Spacing, Max Power



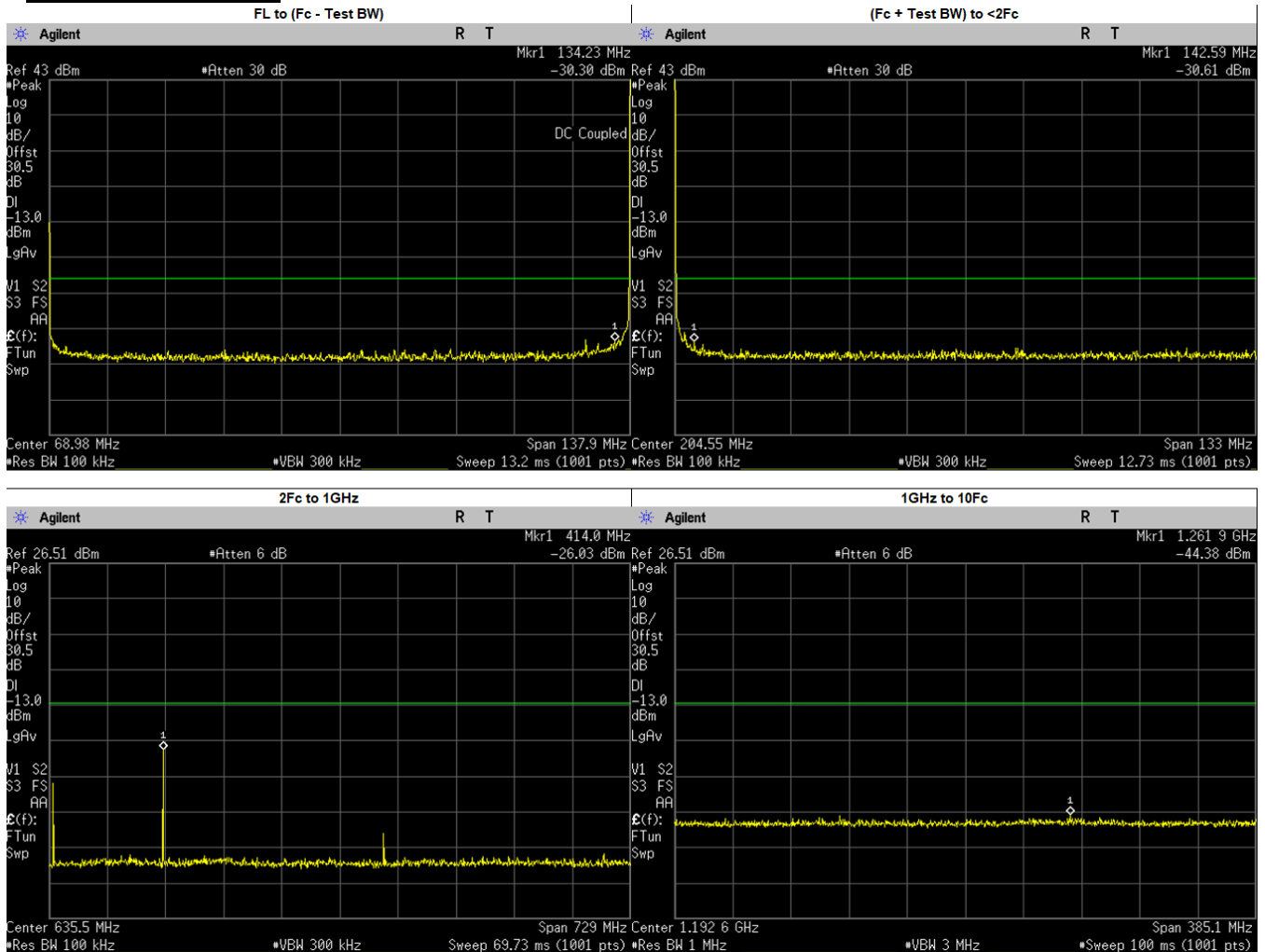
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.0500	-29.9420	-19.50	PASS
(Fc + Test BW) to <2Fc	176.8098	-30.6900	-19.50	PASS
2Fc to 1GHz	520.2000	-30.1900	-19.50	PASS
	346.7750	-51.4479	-19.50	PASS
	693.5500	-57.3052	-19.50	PASS
	866.9375	-50.0446	-19.50	PASS
	520.1625	-30.5213	-19.50	PASS
1GHz to 10Fc	1152.9470	-44.1200	-19.50	PASS
	1040.3250	-46.3459	-19.50	PASS
	1213.7130	-45.5103	-19.50	PASS
	1387.1000	-45.4840	-19.50	PASS
	1560.4870	-46.2081	-19.50	PASS
	1733.8750	-45.7610	-19.50	PASS

FSK: 173.3875 MHz, 12.5 kHz Channel Spacing, Low Power



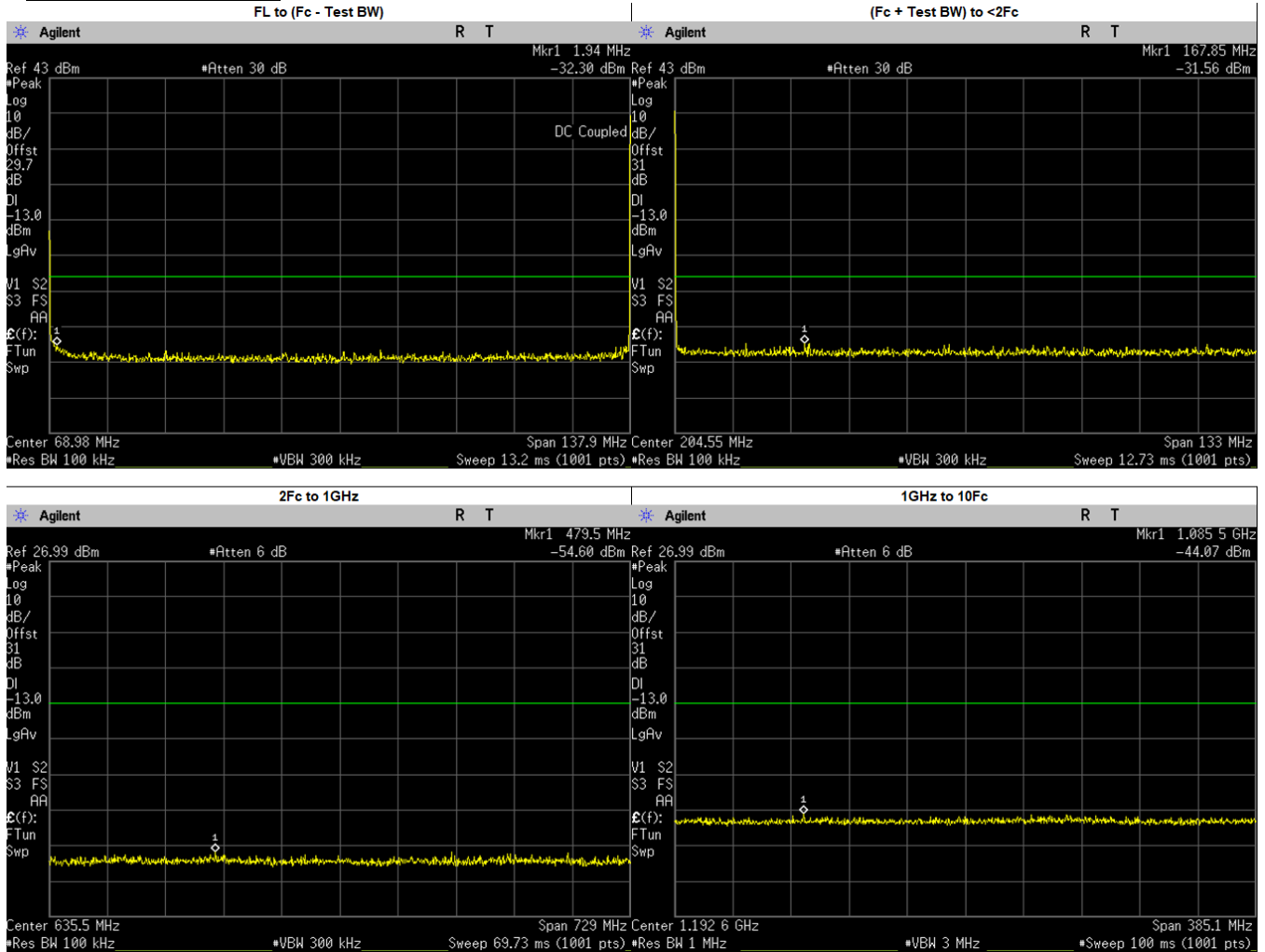
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.2200	-32.0150	-20.00	PASS
(Fc + Test BW) to <2Fc	314.0002	-30.9400	-20.00	PASS
2Fc to 1GHz	468.1542	-54.9500	-20.00	PASS
	346.7750	-57.1864	-20.00	PASS
	520.1625	-56.0719	-20.00	PASS
	693.5500	-57.7107	-20.00	PASS
	866.9375	-57.8024	-20.00	PASS
1GHz to 10Fc	1107.1370	-43.3000	-20.00	PASS
	1040.3250	-46.3886	-20.00	PASS
	1213.7130	-45.9383	-20.00	PASS
	1387.1000	-46.3413	-20.00	PASS
	1560.4870	-45.7080	-20.00	PASS
	1733.8750	-46.0280	-20.00	PASS

FSK: 138.0125 MHz, 25.0 kHz Channel Spacing, Max Power
Not for FCC review



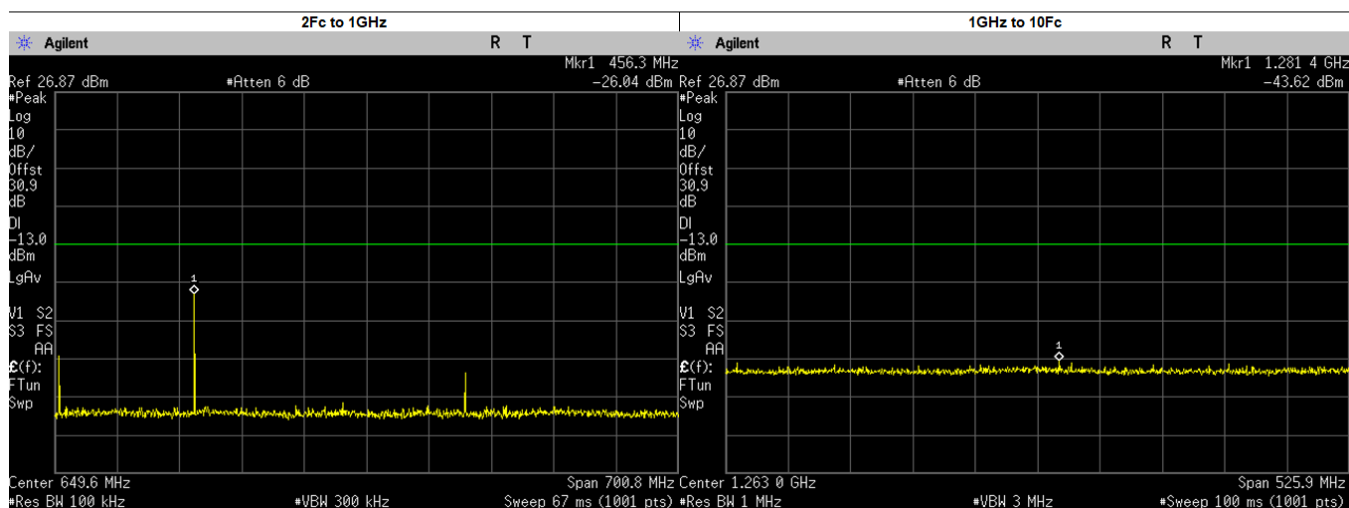
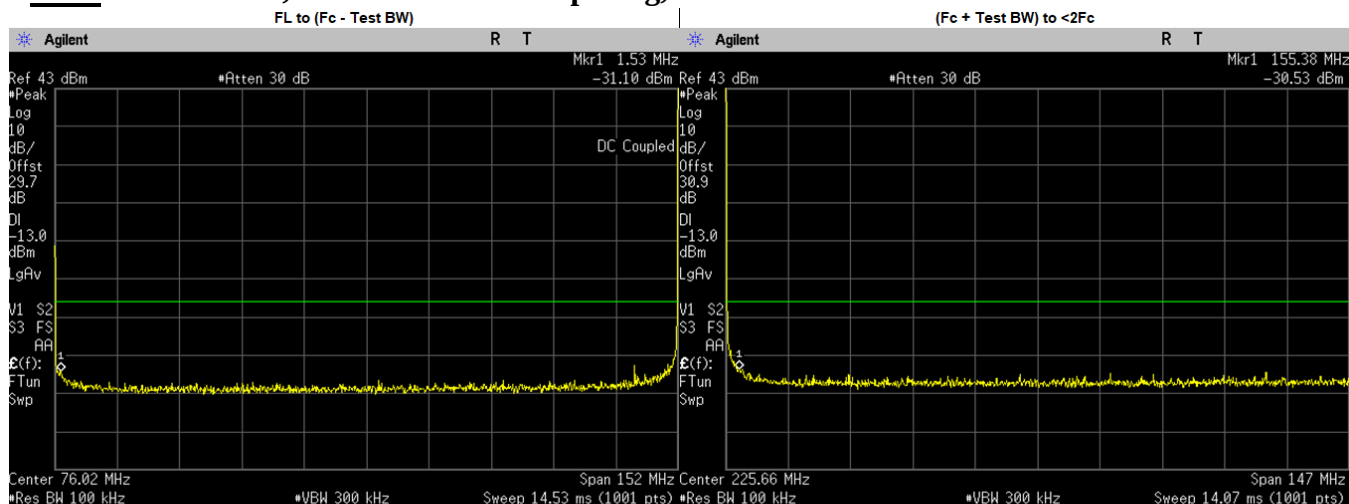
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	134.2300	-30.3000	-13.00	PASS
(Fc + Test BW) to <2Fc	142.5887	-30.6100	-13.00	PASS
2Fc to 1GHz	414.0000	-26.0300	-13.00	PASS
	276.0250	-38.4638	-13.00	PASS
	552.0500	-57.6796	-13.00	PASS
	690.0625	-50.9061	-13.00	PASS
	828.0750	-56.5305	-13.00	PASS
	966.0875	-55.5427	-13.00	PASS
	414.0375	-31.6972	-13.00	PASS
1GHz to 10Fc	1261.8850	-44.3800	-13.00	PASS
	1104.1000	-46.2250	-13.00	PASS
	1242.1120	-46.1636	-13.00	PASS
	1380.1250	-47.3672	-13.00	PASS

FSK: 138.0125 MHz, 25.0 kHz Channel Spacing, Low Power
Not for FCC review



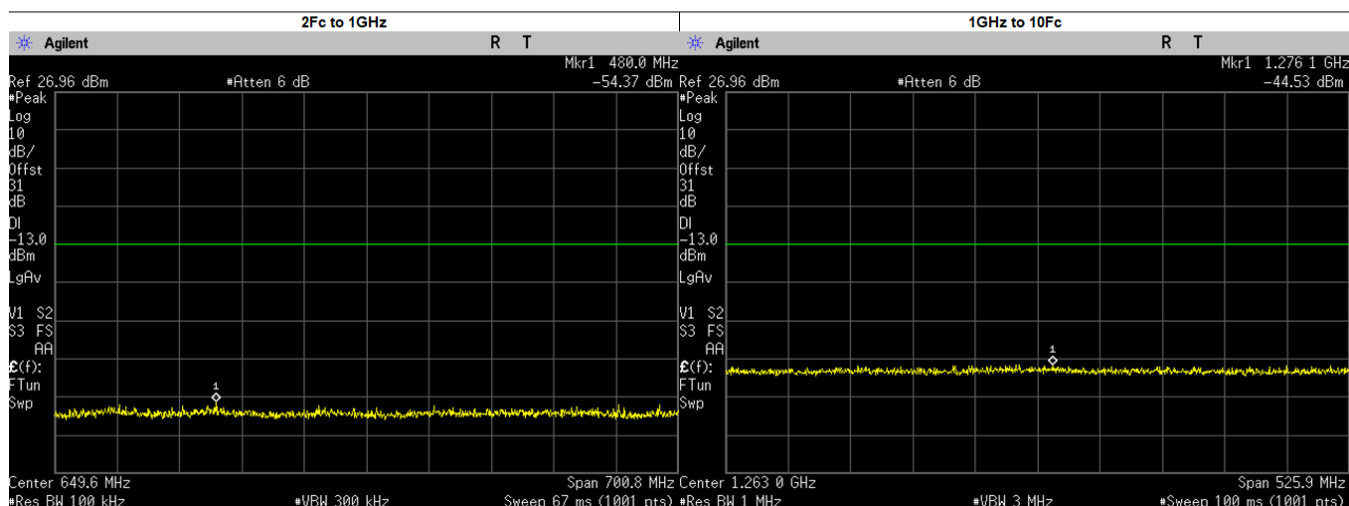
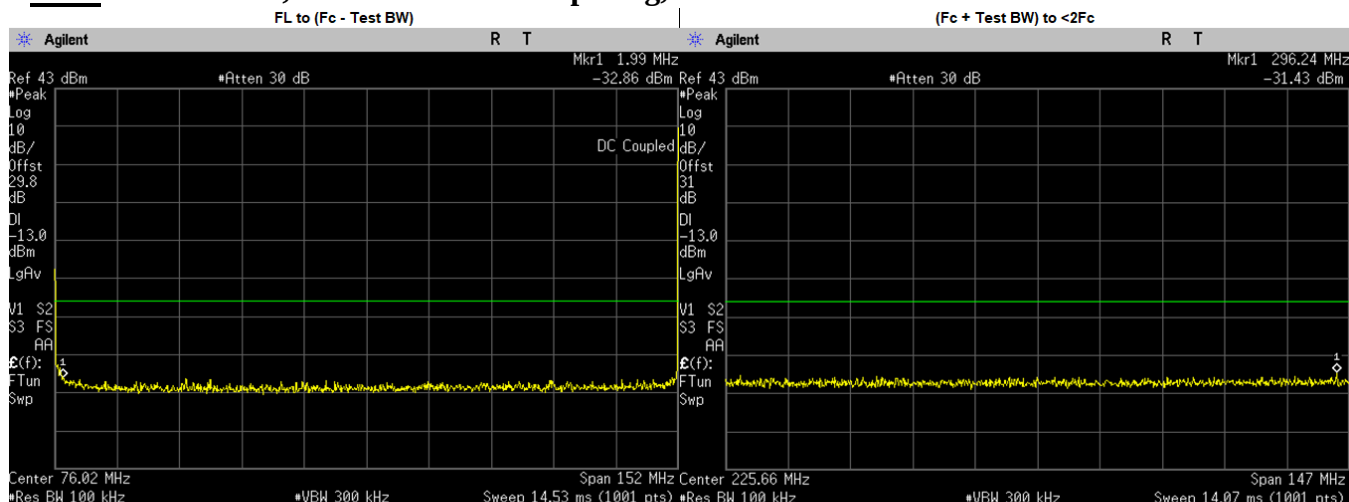
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.9400	-32.3010	-13.00	PASS
(Fc + Test BW) to <2Fc	167.8505	-31.5600	-13.00	PASS
2Fc to 1GHz	479.5118	-54.6000	-13.00	PASS
	276.0250	-57.2696	-13.00	PASS
	414.0375	-57.5243	-13.00	PASS
	552.0500	-58.1168	-13.00	PASS
	690.0625	-57.8891	-13.00	PASS
	828.0750	-57.0703	-13.00	PASS
	966.0875	-57.3859	-13.00	PASS
1GHz to 10Fc	1085.4980	-44.0700	-13.00	PASS
	1104.1000	-45.4922	-13.00	PASS
	1242.1120	-45.5570	-13.00	PASS
	1380.1250	-46.3869	-13.00	PASS

FSK: 152.09 MHz, 25.0 kHz Channel Spacing, Max Power



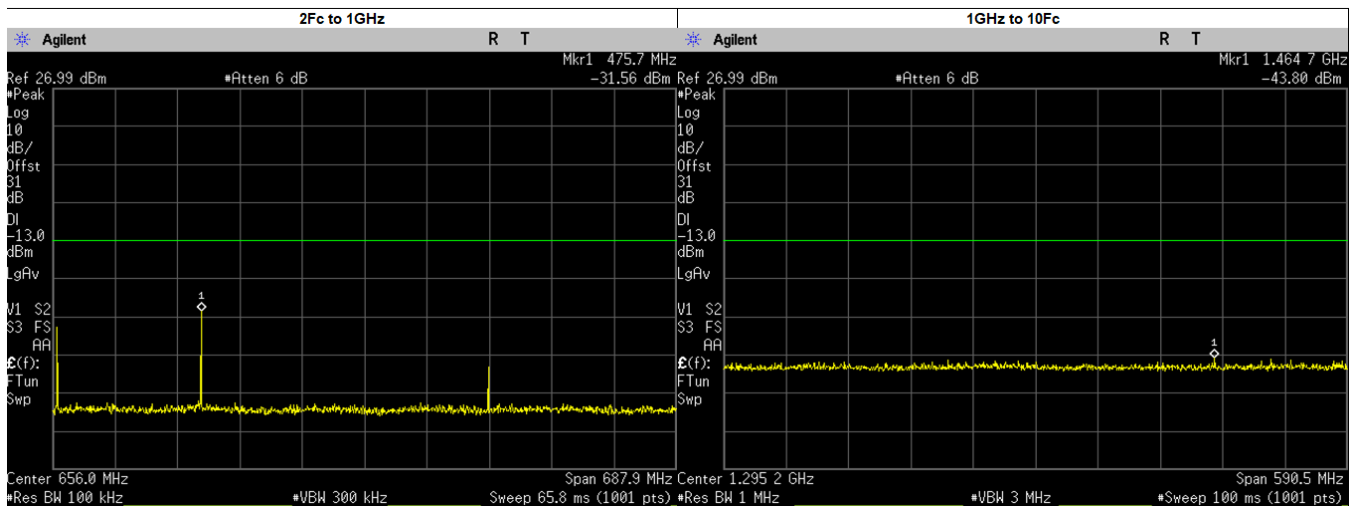
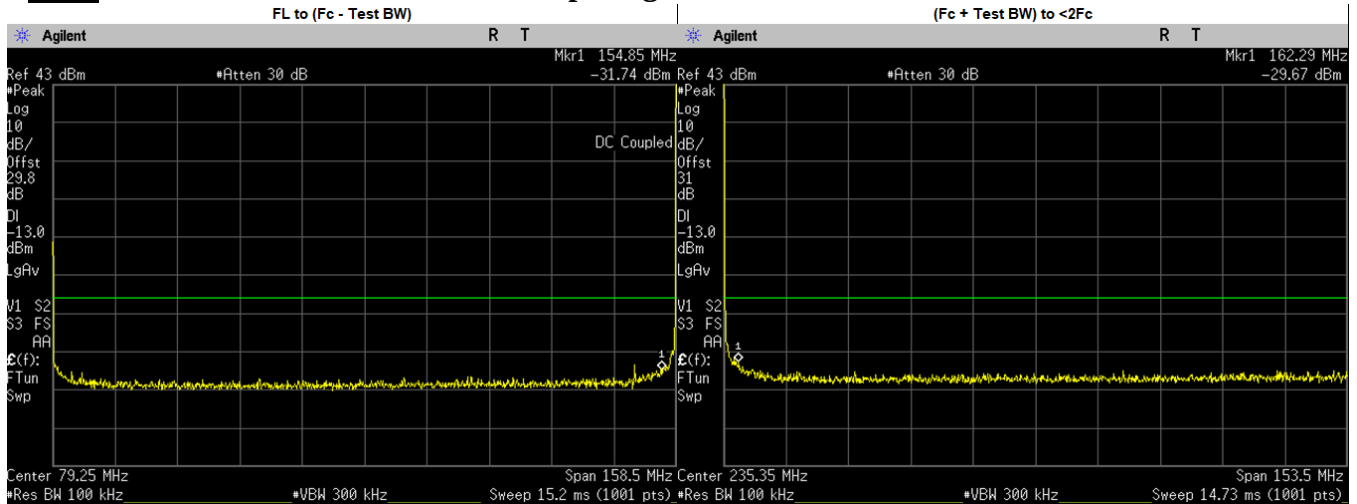
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.5300	-31.0980	-13.00	PASS
(Fc + Test BW) to <2Fc	155.3804	-30.5300	-13.00	PASS
2Fc to 1GHz	456.3000	-26.0400	-13.00	PASS
	304.1800	-44.4846	-13.00	PASS
	608.3600	-57.2209	-13.00	PASS
	760.4500	-48.7460	-13.00	PASS
	912.5400	-58.1099	-13.00	PASS
	456.2700	-30.7731	-13.00	PASS
1GHz to 10Fc	1281.3570	-43.6200	-13.00	PASS
	1064.6300	-46.1720	-13.00	PASS
	1216.7200	-46.7169	-13.00	PASS
	1368.8100	-46.4452	-13.00	PASS
	1520.9000	-46.0019	-13.00	PASS

FSK: 152.09 MHz, 25.0 kHz Channel Spacing, Low Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.9900	-32.8600	-13.00	PASS
(Fc + Test BW) to <2Fc	296.2393	-31.4300	-13.00	PASS
2Fc to 1GHz	480.0000	-54.3700	-13.00	PASS
	304.1800	-57.5894	-13.00	PASS
	456.2700	-57.1763	-13.00	PASS
	608.3600	-57.4937	-13.00	PASS
	760.4500	-56.8037	-13.00	PASS
	912.5400	-57.1017	-13.00	PASS
1GHz to 10Fc	1276.0980	-44.5300	-13.00	PASS
	1064.6300	-46.6676	-13.00	PASS
	1216.7200	-46.0399	-13.00	PASS
	1368.8100	-46.2560	-13.00	PASS
	1520.9000	-45.7503	-13.00	PASS

FSK: 158.55 MHz, 25.0 kHz Channel Spacing, Max Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	154.8500	-31.7360	-13.00	PASS
(Fc + Test BW) to <2Fc	162.2895	-29.6700	-13.00	PASS
2Fc to 1GHz	475.7000	-31.5600	-13.00	PASS
	317.1000	-40.6911	-13.00	PASS
	475.6500	-37.2606	-13.00	PASS
	634.2000	-56.9181	-13.00	PASS
	792.7500	-49.1045	-13.00	PASS
	951.3000	-58.2089	-13.00	PASS
1GHz to 10Fc	1464.7240	-43.8000	-13.00	PASS
	1109.8500	-45.8031	-13.00	PASS
	1268.4000	-45.6556	-13.00	PASS
	1426.9500	-45.9489	-13.00	PASS
	1585.5000	-45.4077	-13.00	PASS