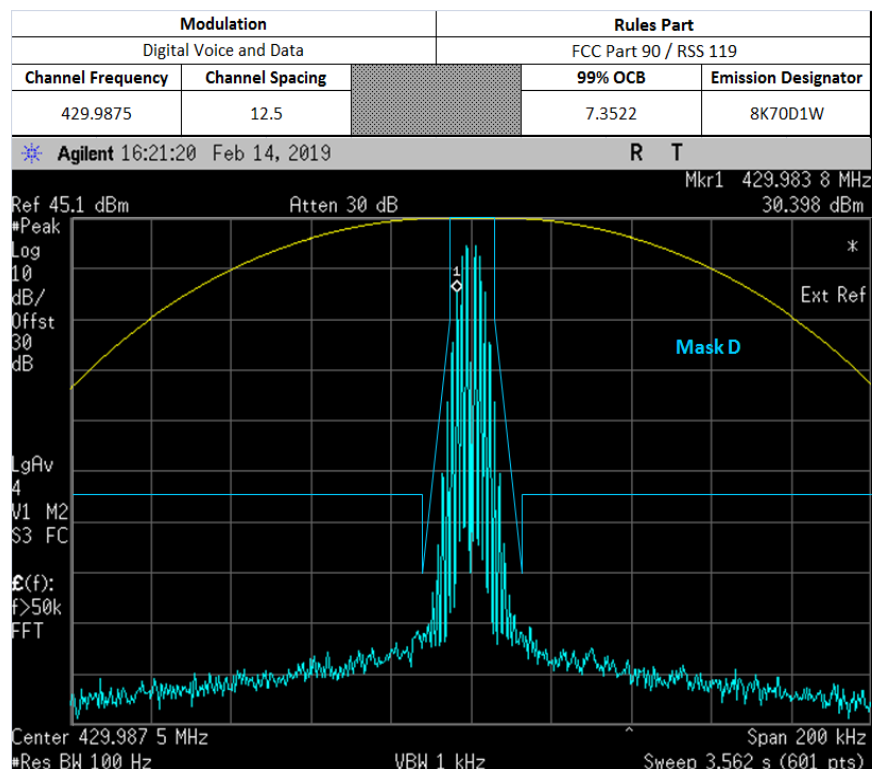
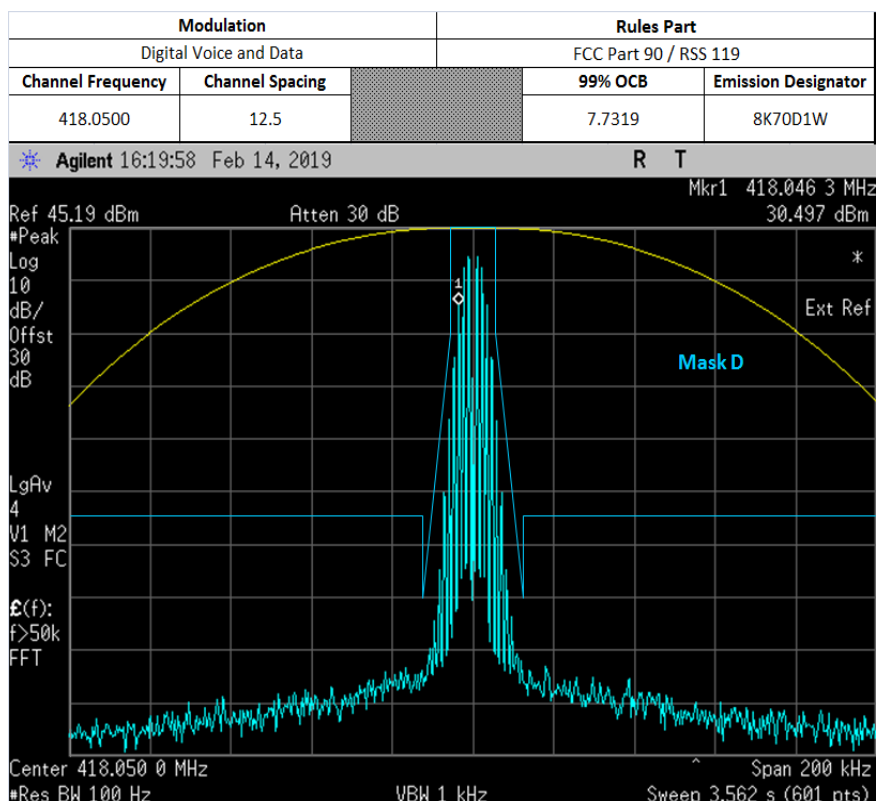
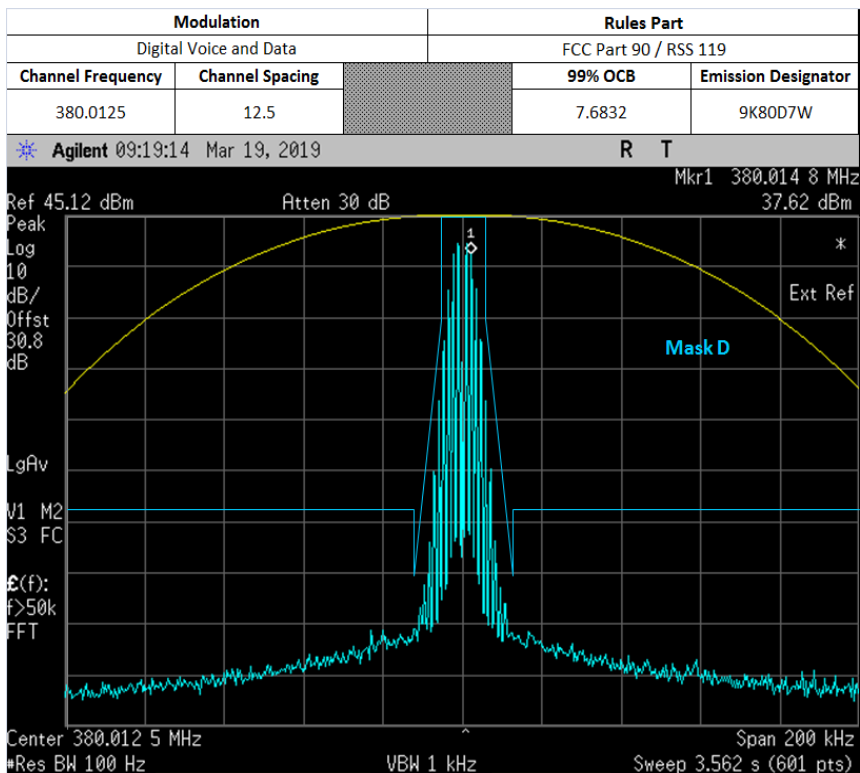
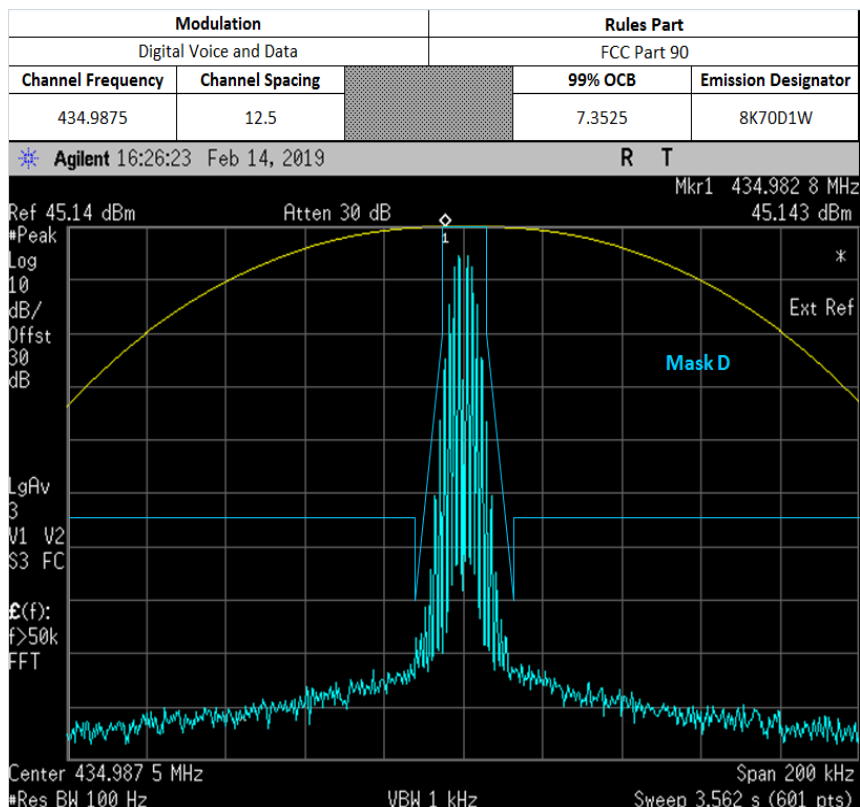
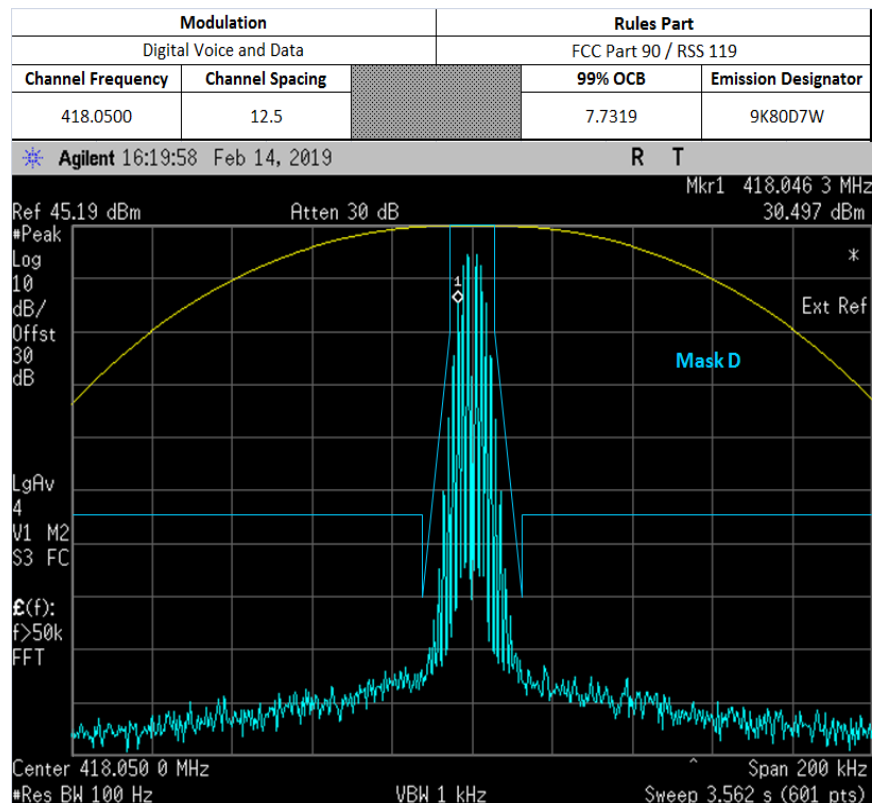
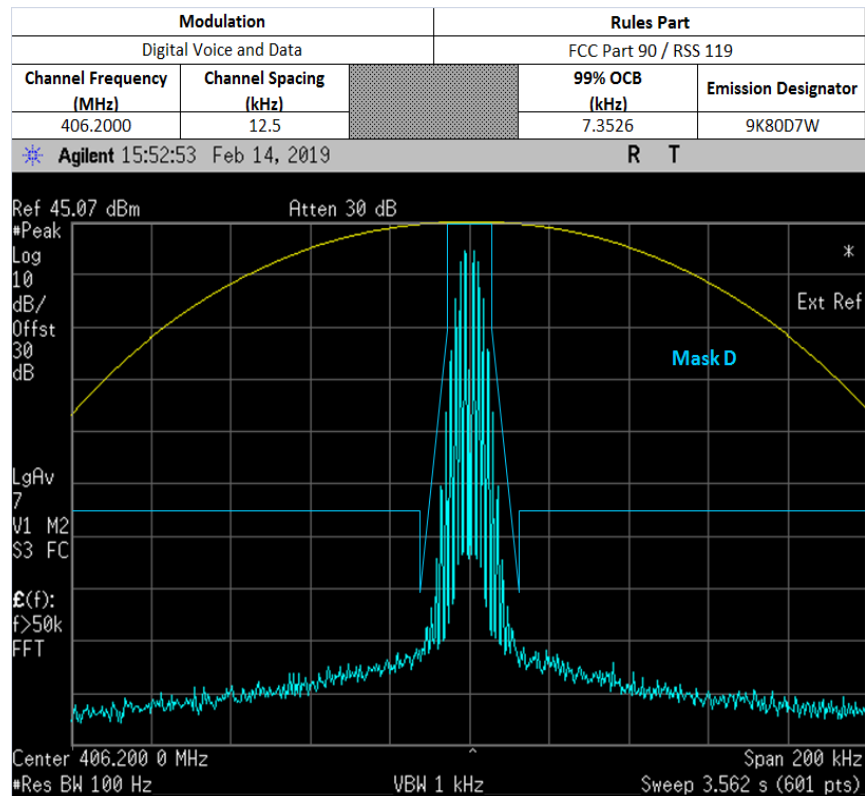
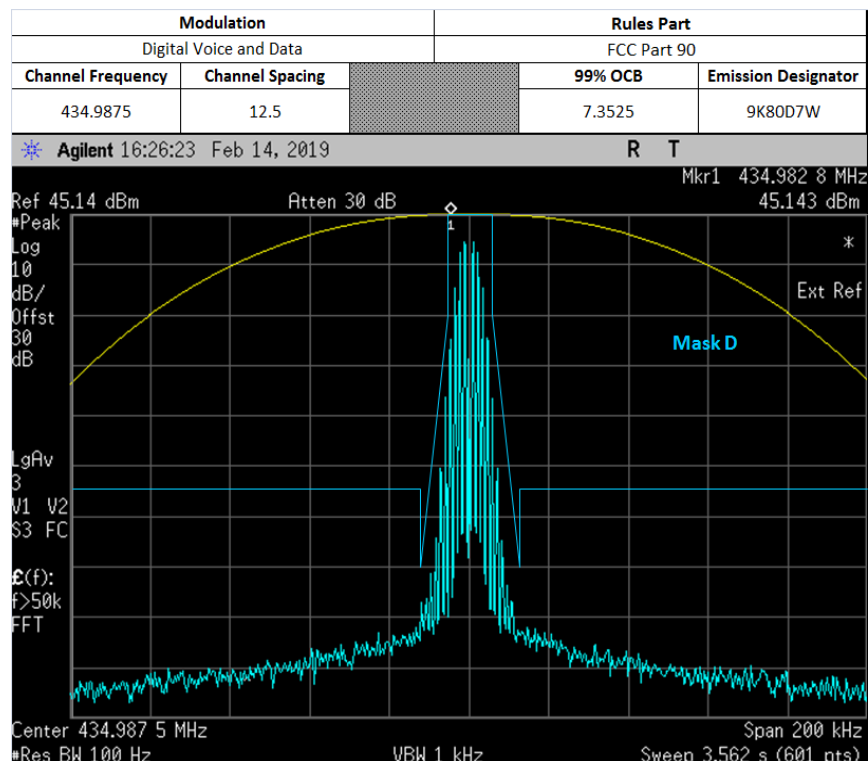
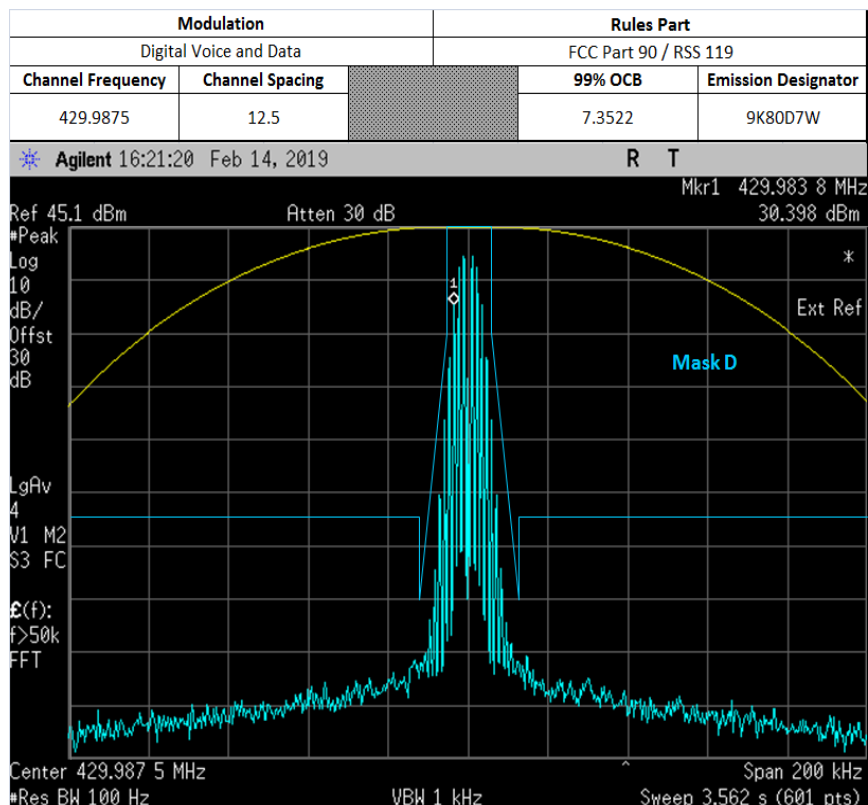
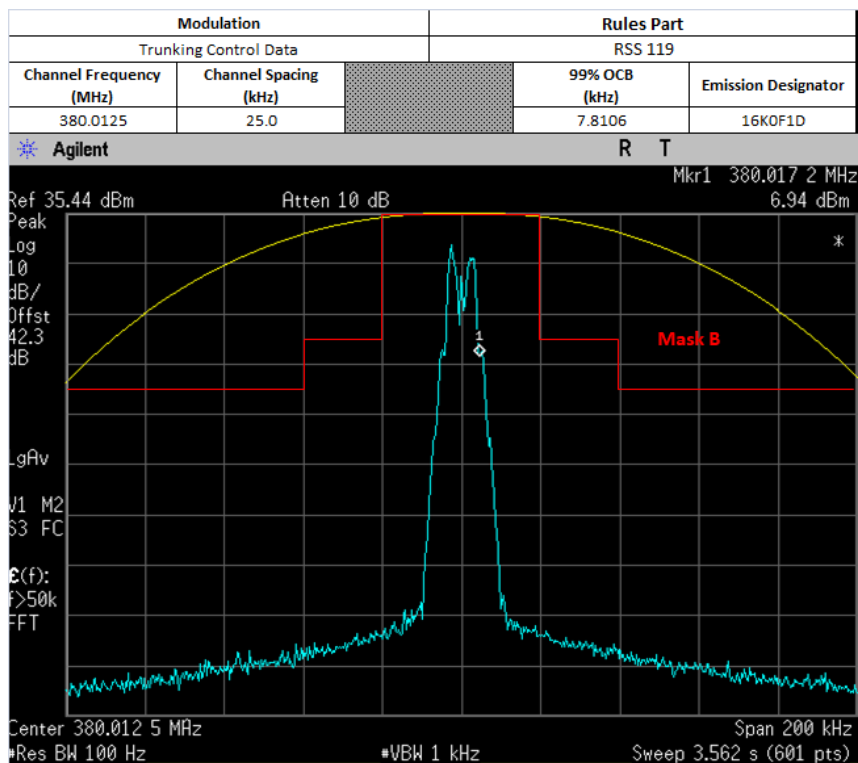




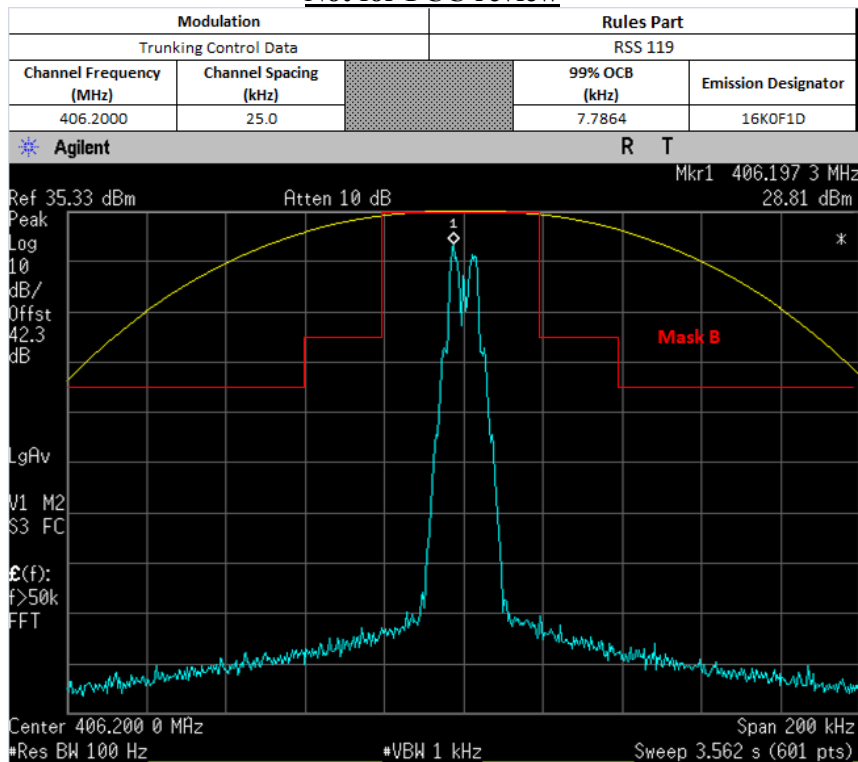




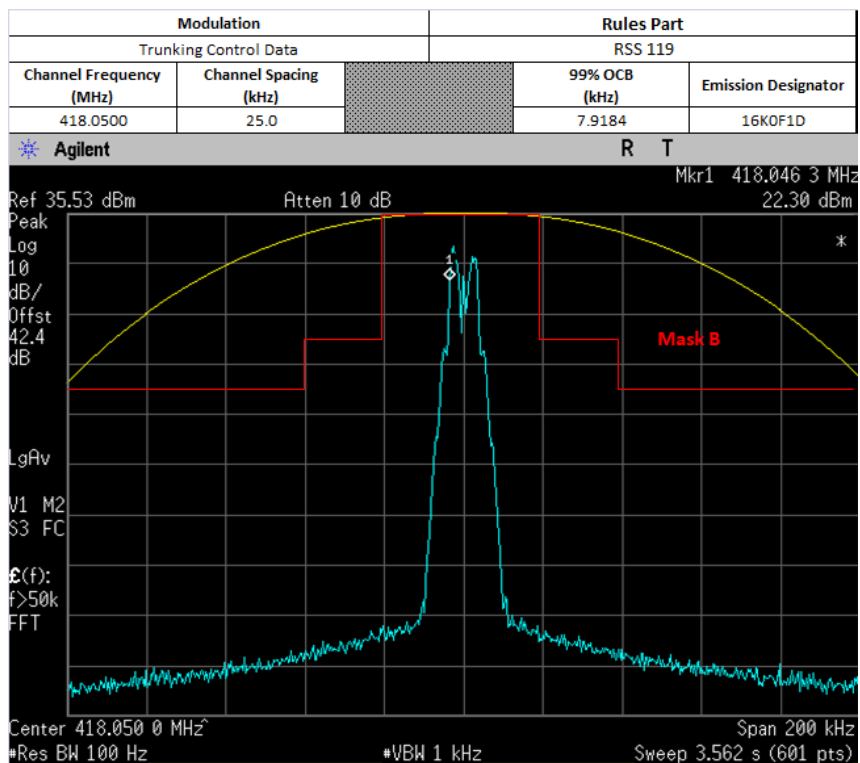




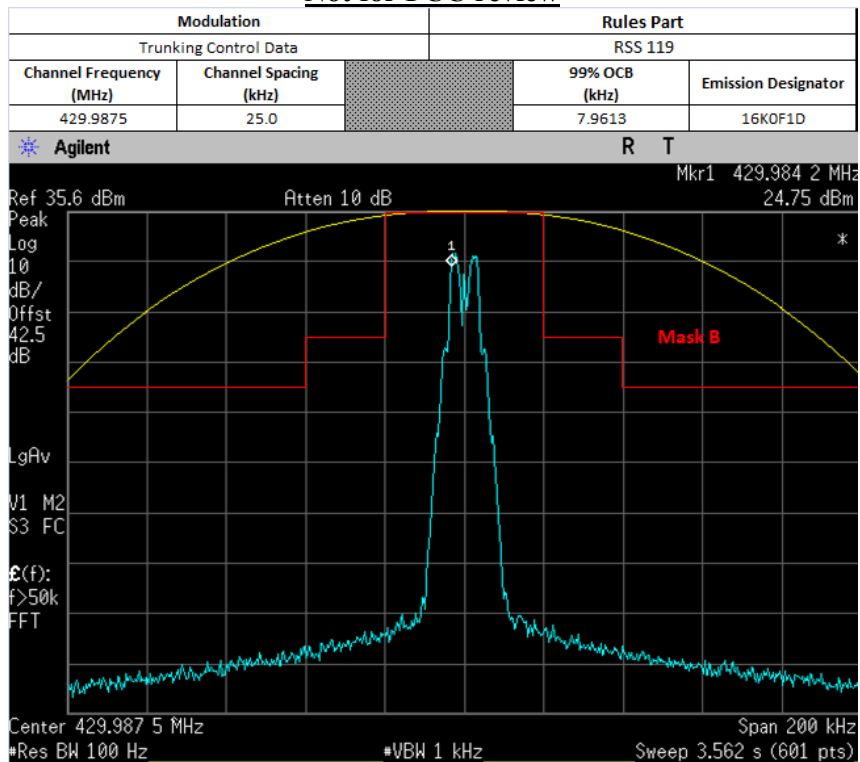
Not for FCC review



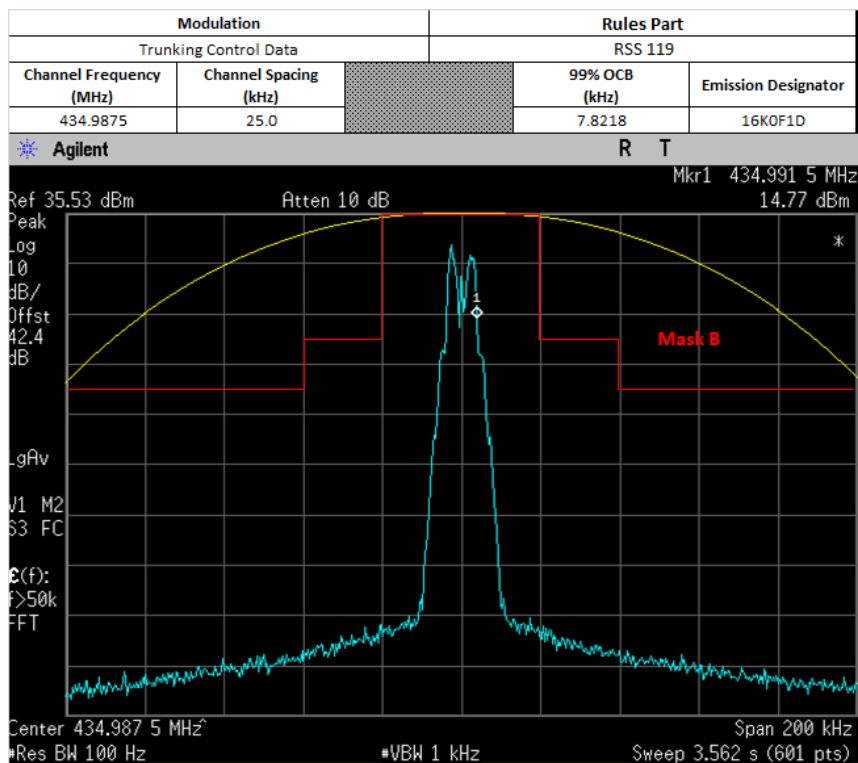
Not for FCC review



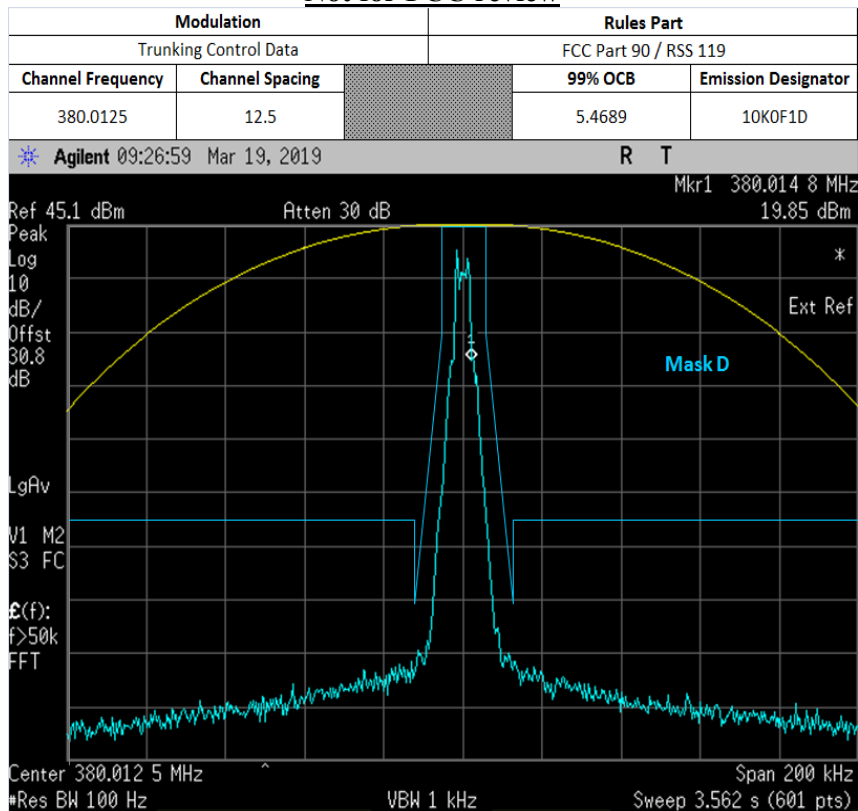
Not for FCC review

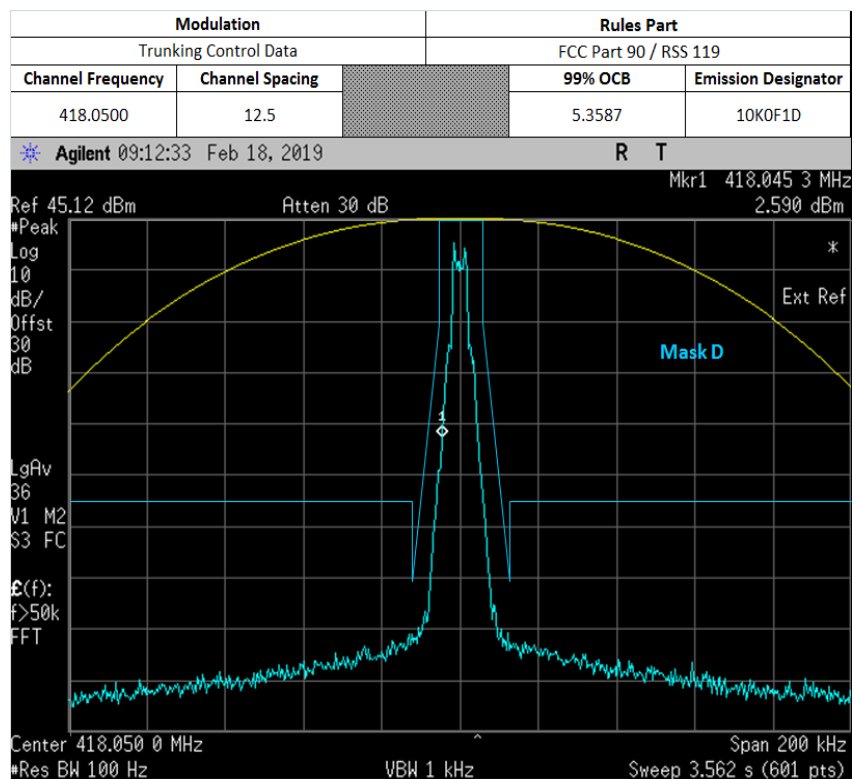
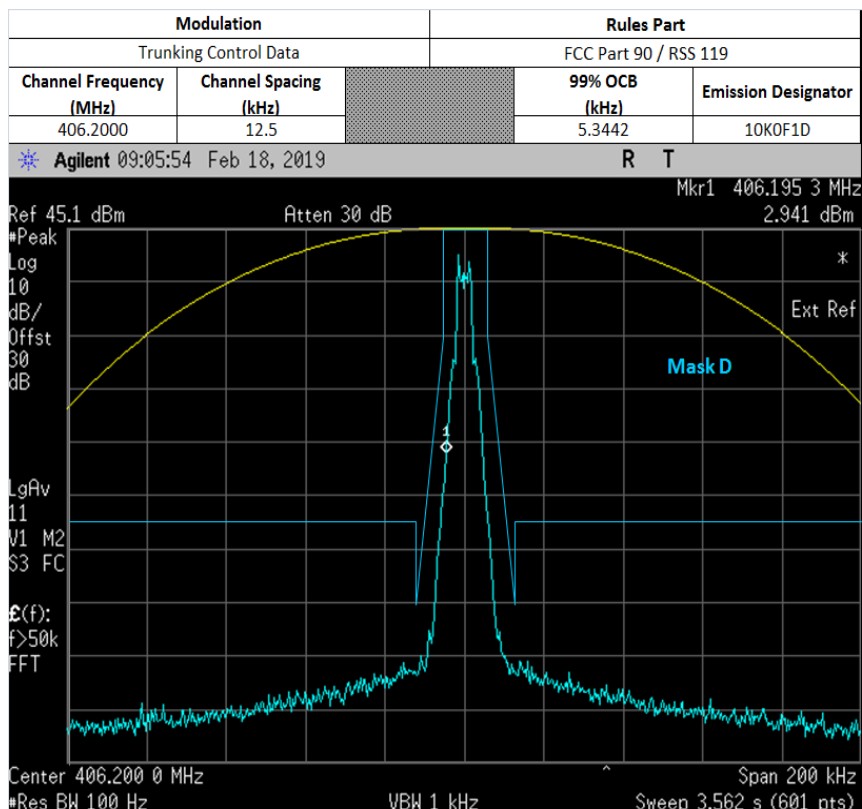


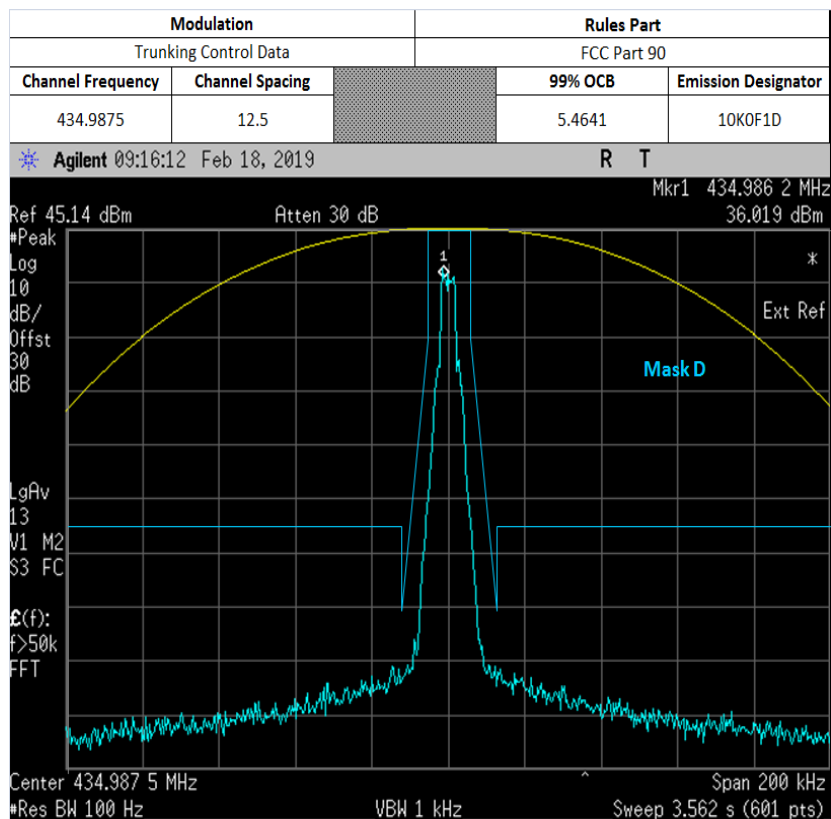
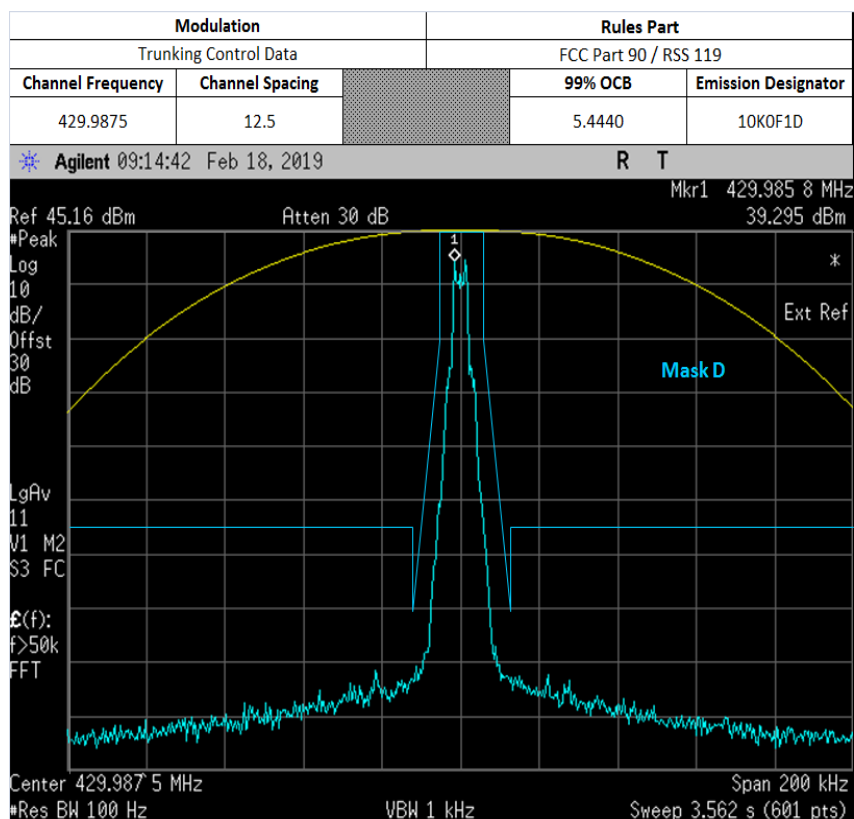
Not for FCC review



Not for FCC review





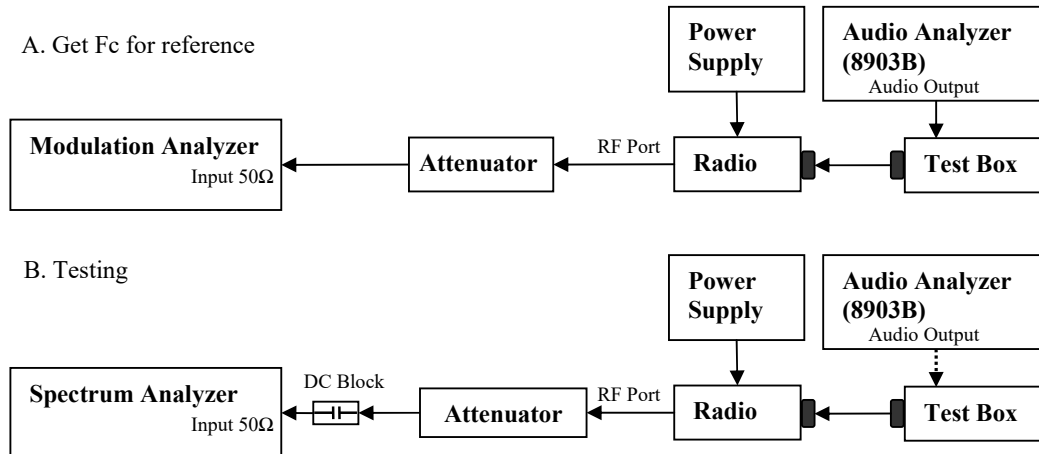


5.8. Test Limit

The 99% occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

5.9. Band Edge Conducted Spurious Emission (Part 22)

5.9.1. Test Setup (Analog)



- 1) The DUT transmitter output port was connected to Modulation Analyzer.
- 2) Set the audio bandwidth filter to 15 kHz low pass filter and 50 kHz high pass filter.
- 3) Transmit the radio and set the audio analyzer to 2.5 kHz audio frequency and 50% of the rated deviation. Up the amplitude by 16 dB. Dekey the DUT.
- 4) Path loss for the measurement included.
- 5) Select the Occupied Bandwidth measurement for 99% and 26dB Emissions Bandwidth Measurement.
- 6) Key in the Fc and Resolution Bandwidth.
- 7) Transmit the DUT and record the occupied Bandwidth frequencies.
- 8) Preset the spectrum analyzer for band edge measurement.
- 9) The band edges of lowest and highest channels were measured.
- 10) Key in the Lowest and highest channel frequency, span is 60 kHz and Resolution Bandwidth is at least 1% of Emission Bandwidth.
- 11) Save the screen shot as modulated signal.
- 12) Remove the audio tone from audio analyzer to capture unmodulated signal.

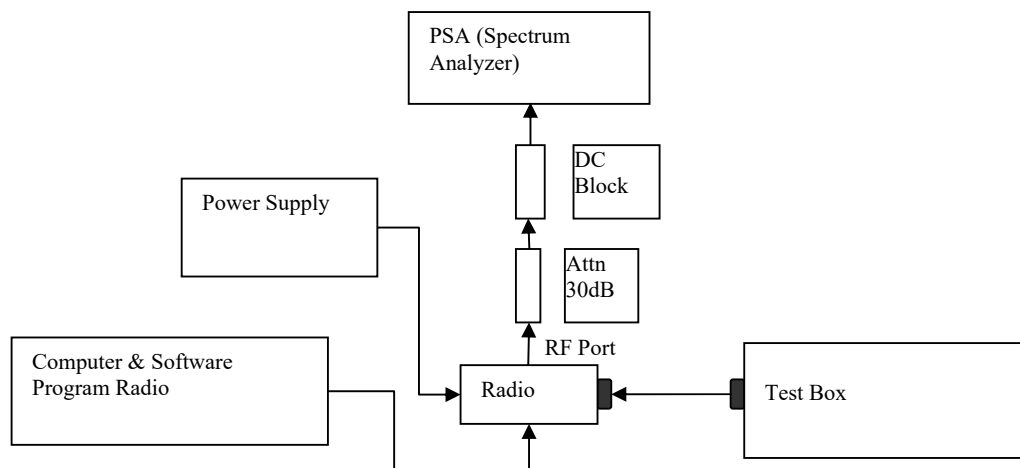
*Note:

- For emission designator ending with F3E, 16K0F3E is the worst case and therefore only 16K0F3E will be shown.

5.9.2. Test Result (Analog)

NA → Not Applicable

5.9.3. 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) 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:

- All digital modulation modes utilize the same high deviation test pattern, and they are therefore identical. Hence, only F1D plots will be shown.

5.9.4. Test Result (Digital)

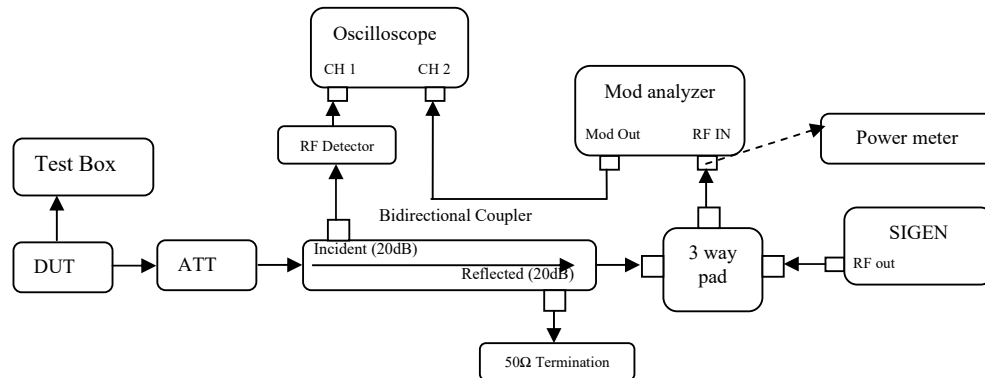
NA → Not Applicable

5.10. 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.

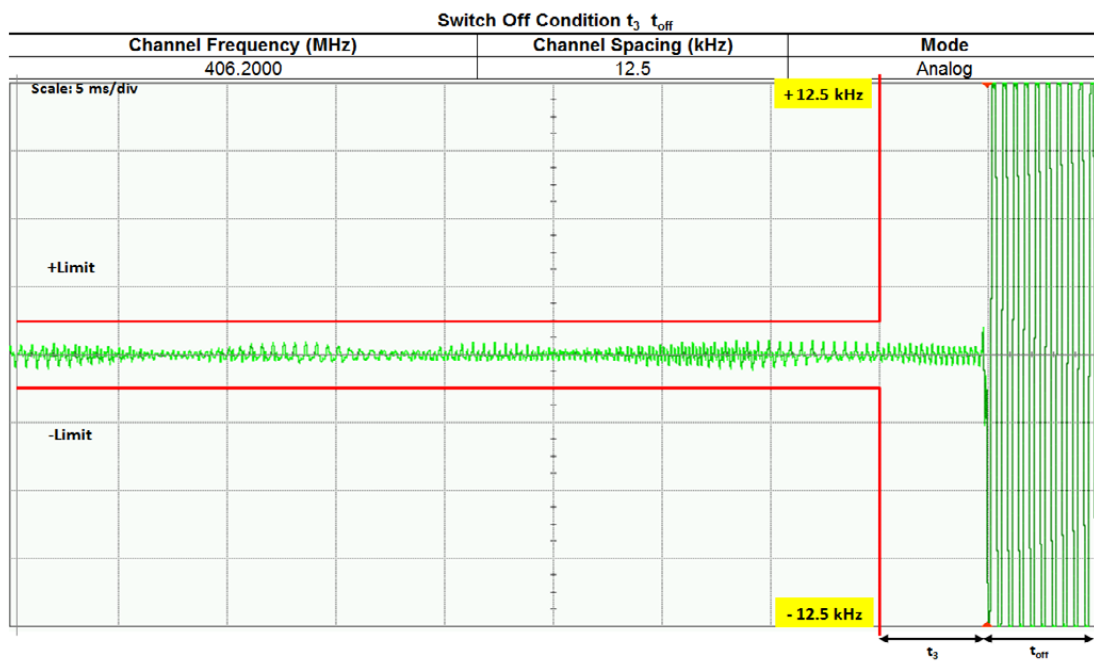
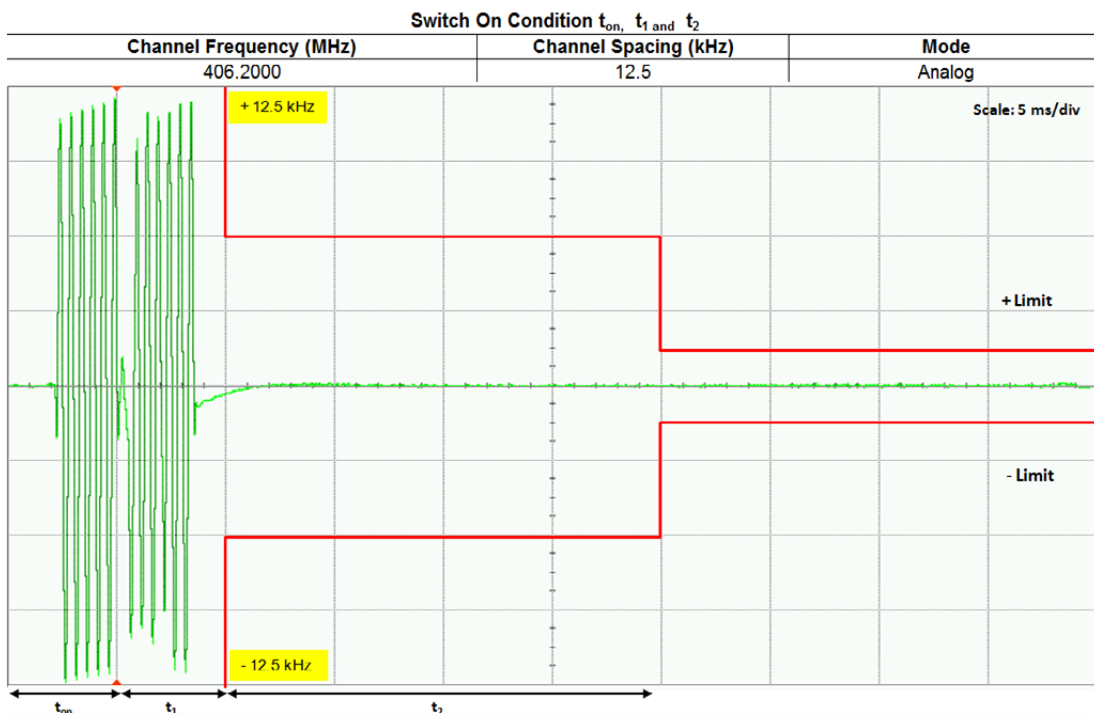
5.11. Transient Frequency Behavior

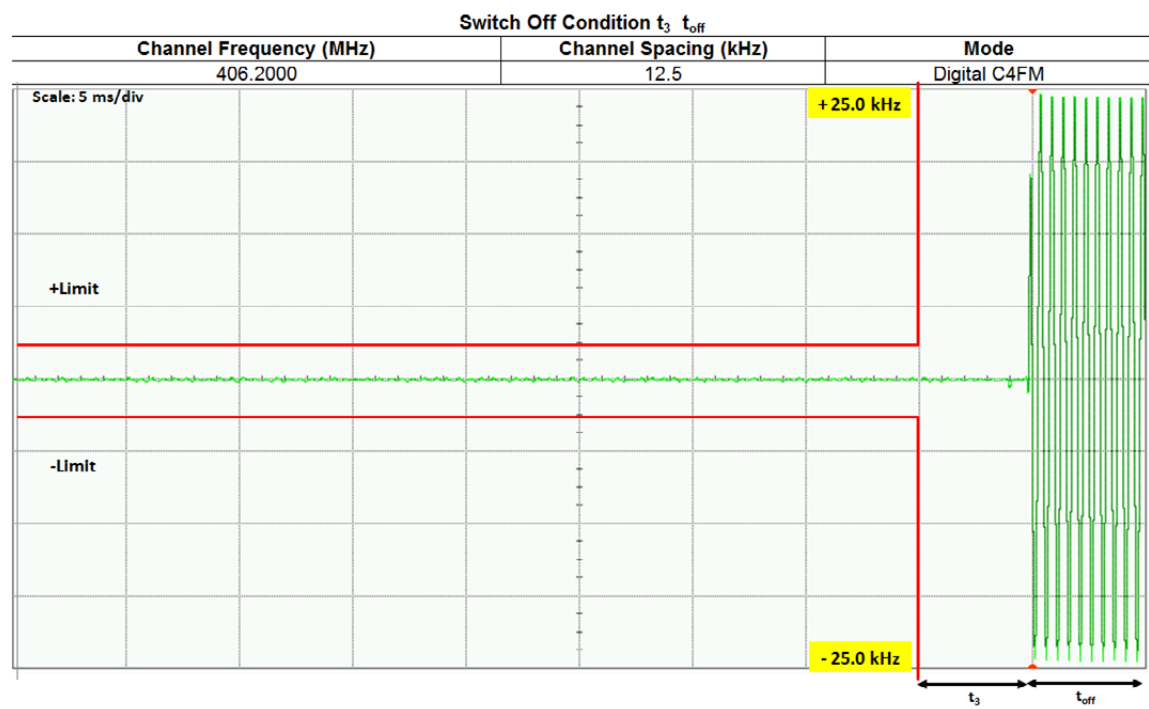
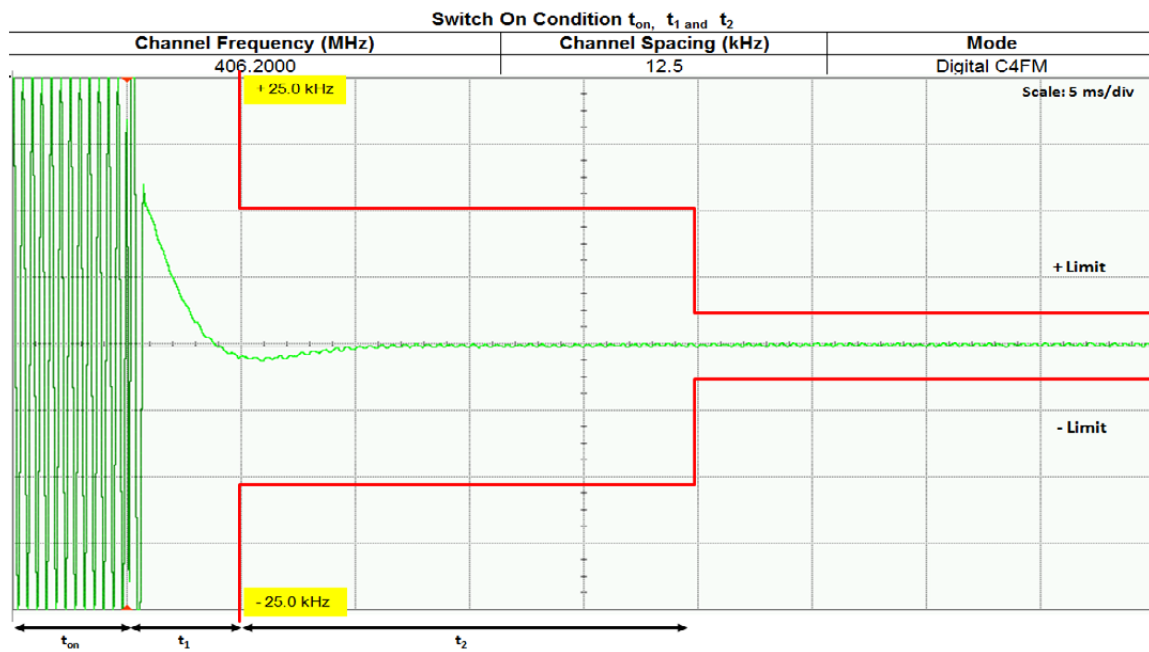
5.11.1. Test Setup



- 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 ≤ -11 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.

5.11.2. Test Result





5.11.3. 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.

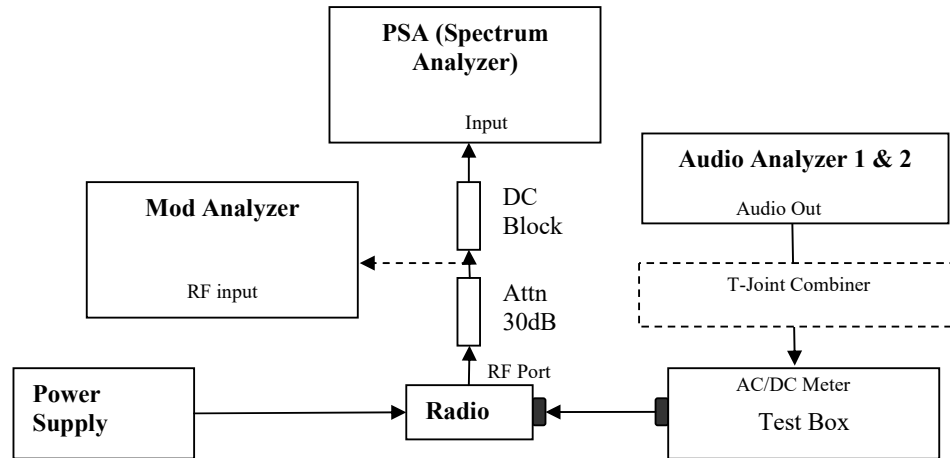
² During the time from the end of t_2 to the beginning of t_3 , the frequency difference must not exceed the limits specified in §90.213.

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.

5.12. Adjacent Channel Power

5.12.1. Test Setup (Analog)

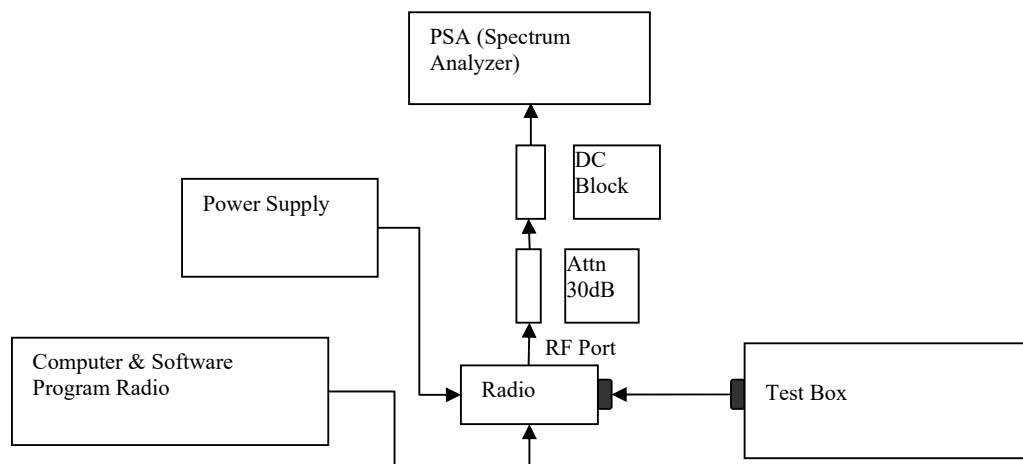


- 1) The DUT transmitter output port was connected to modulation analyzer.
- 2) Transmit the radio and turn on 1st audio analyzer with audio frequency 650Hz, 50% rated deviation, and record the amplitude value as AmpT1.
- 3) Turn off Audio analyzer 1 and turn on audio analyzer 2, set the audio frequency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

5.12.2. Test Result

NA → Not Applicable

5.12.3. 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.

5.12.4. Test Result

NA → Not Applicable

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

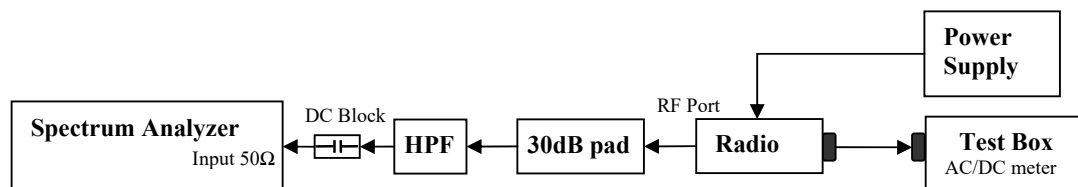
Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
9.375	6.25	-40
15.625	6.25	-60
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
350.00	100	-65
>400 kHz to 12 MHz	30 (s)	-80
12 MHz to paired receive band	30 (s)	-80
In the paired receive band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

5.13. Conducted Spurious Emission

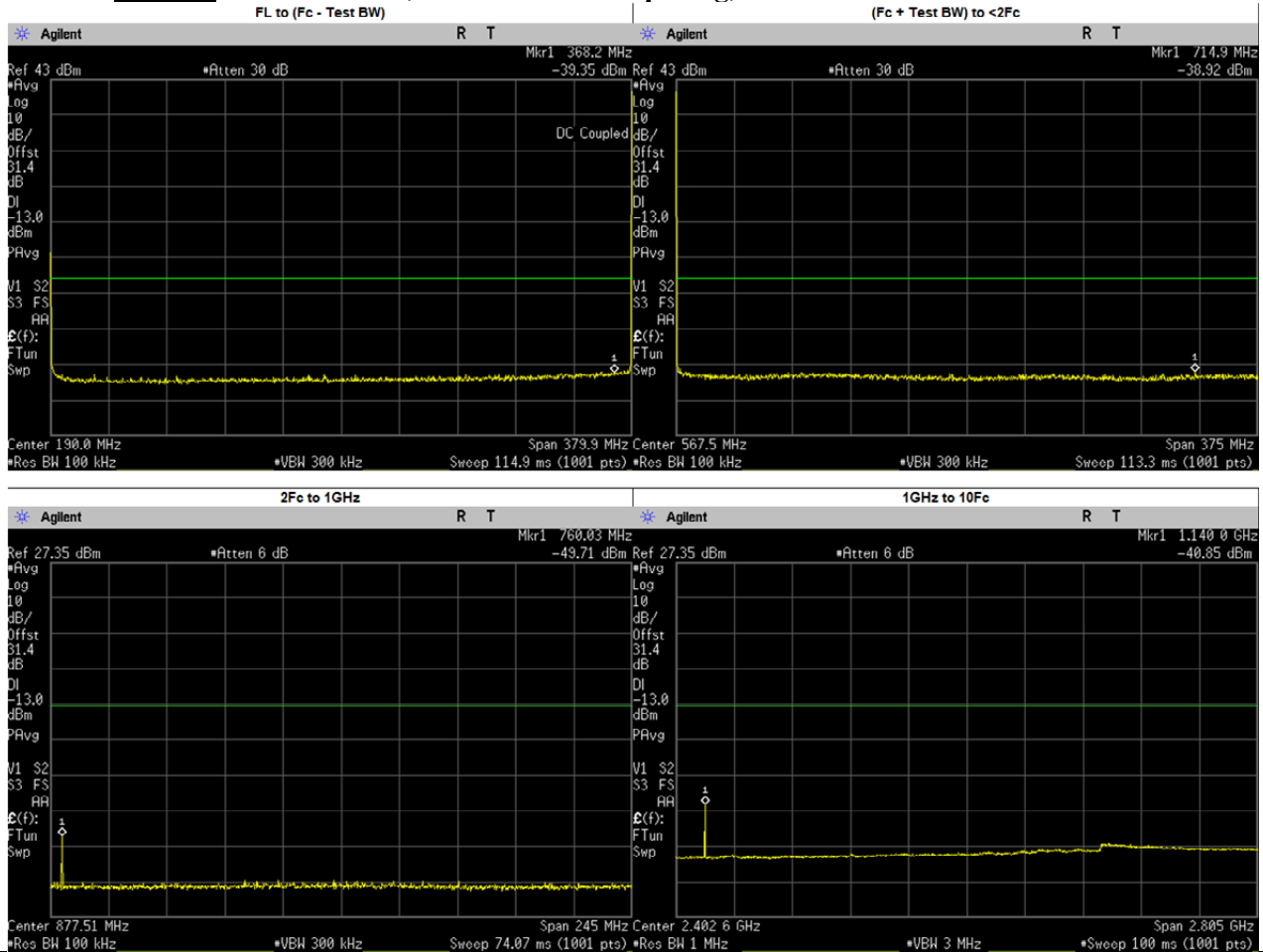
5.13.1. Test Setup



- 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.

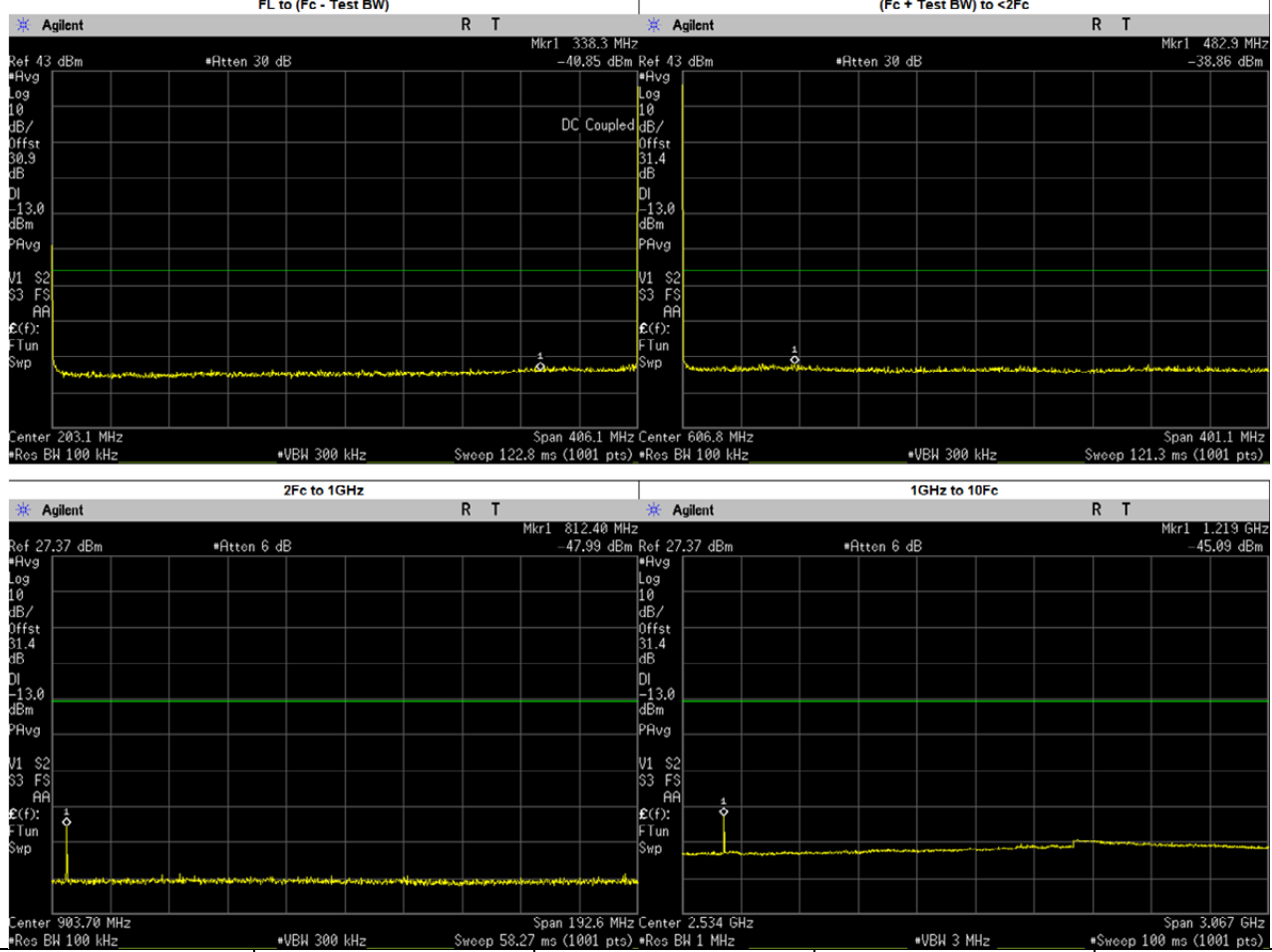
5.13.2. Test Result (Analog)

Analog: 380.0125 MHz, 25kHz Channel Spacing, Max Power



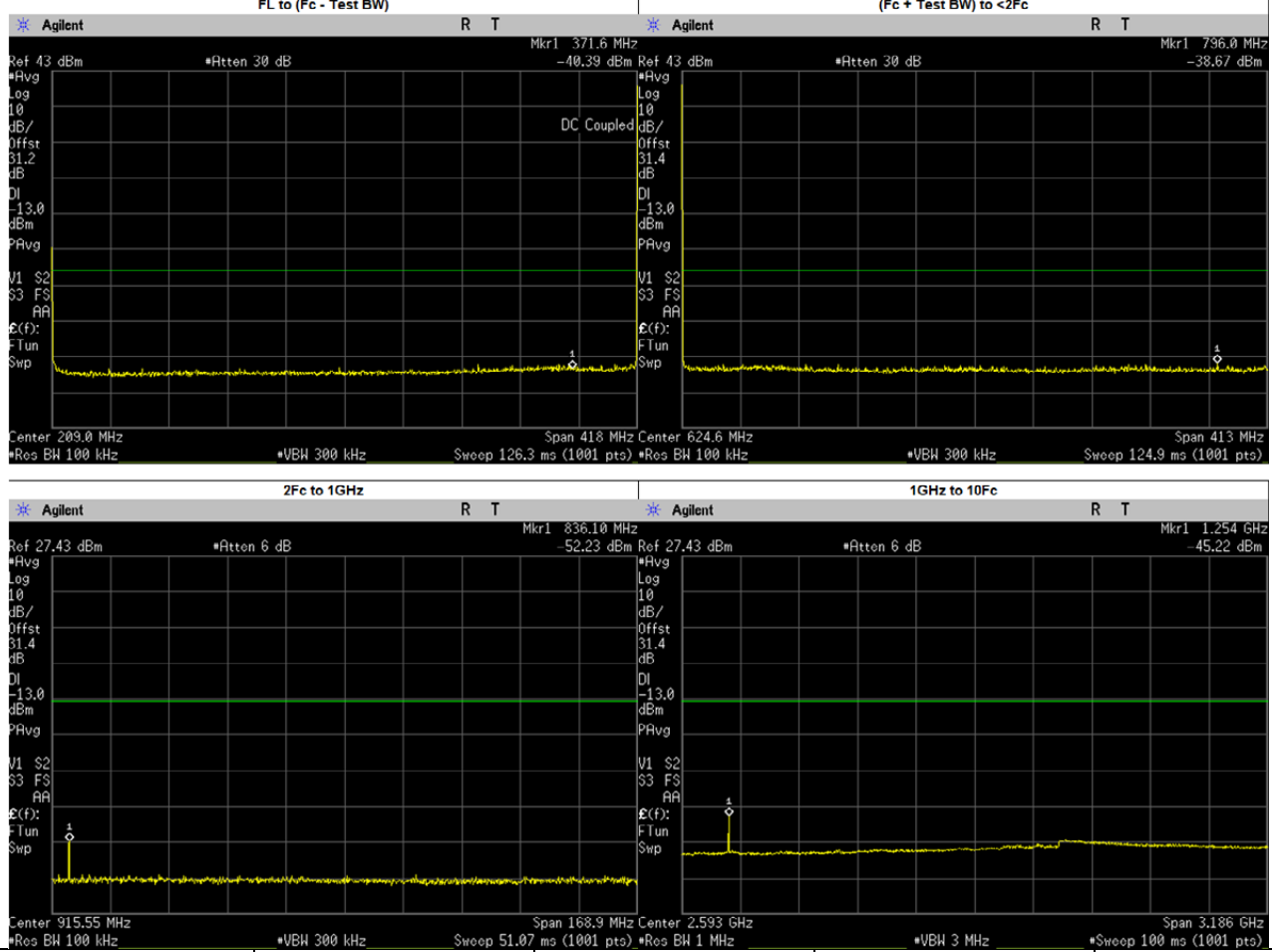
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	368.2000	-39.3510	-13.00	PASS
(Fc + Test BW) to <2Fc	714.9046	-38.9200	-13.00	PASS
2Fc to 1GHz	760.0250	-49.7100	-13.00	PASS
1GHz to 10Fc	1140.0000	-40.8500	-13.00	PASS
	1520.0500	-55.5915	-13.00	PASS
	1900.0620	-55.1770	-13.00	PASS
	2280.0750	-55.0984	-13.00	PASS
	2660.0880	-54.2204	-13.00	PASS
	3040.1000	-53.5619	-13.00	PASS
	3420.1130	-53.1551	-13.00	PASS
	3800.1250	-53.6702	-13.00	PASS

Analog: 406.2 MHz, 25kHz Channel Spacing, Max Power



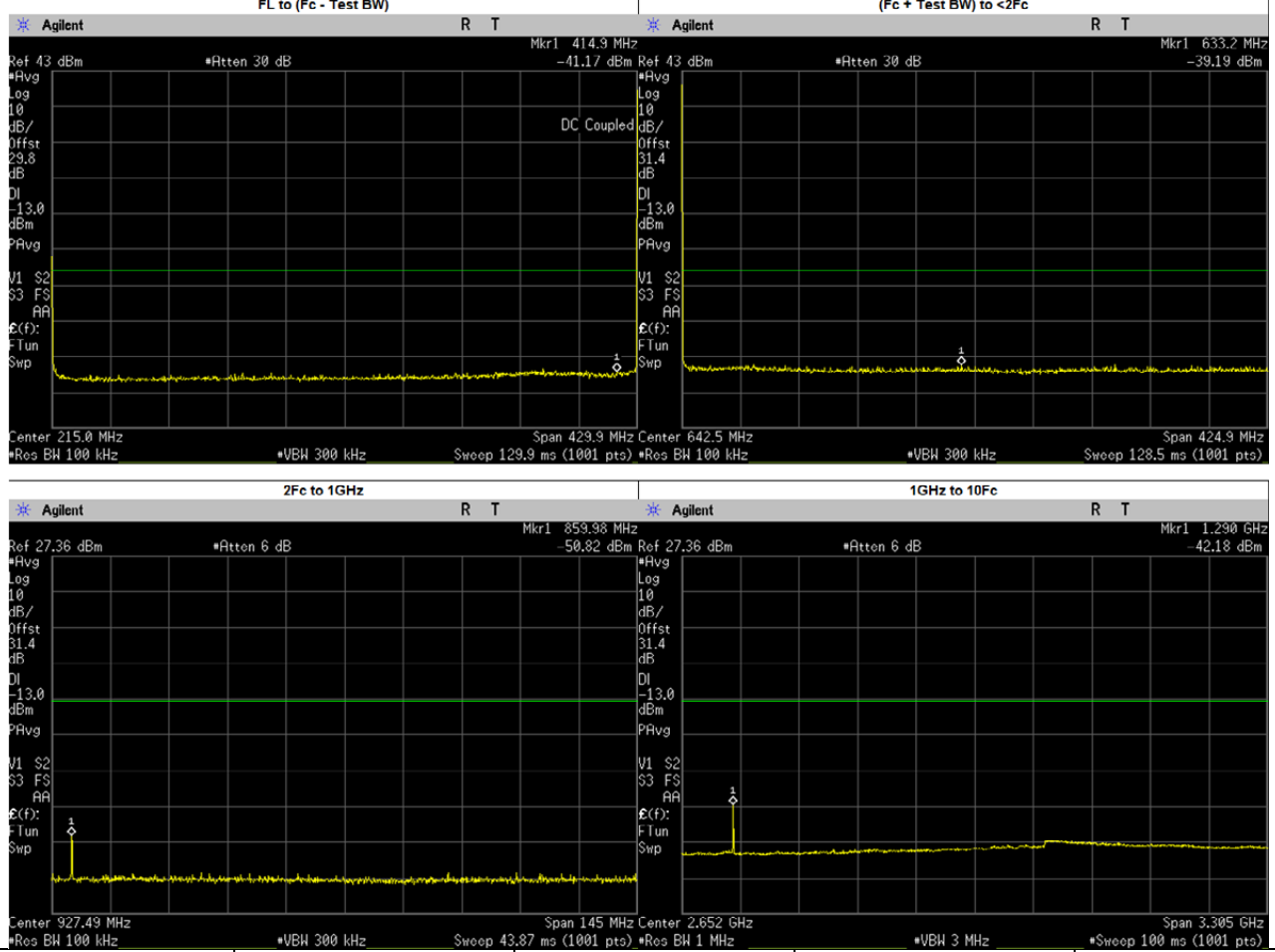
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	338.3000	-40.8450	-13.00	PASS
(Fc + Test BW) to <2Fc	482.8742	-38.8600	-13.00	PASS
2Fc to 1GHz	812.4000	-47.9900	-13.00	PASS
1GHz to 10Fc	1219.0000	-45.0900	-13.00	PASS
	1624.8000	-55.6085	-13.00	PASS
	2031.0000	-55.0876	-13.00	PASS
	2437.2000	-54.9209	-13.00	PASS
	2843.4000	-53.7069	-13.00	PASS
	3249.6000	-52.8774	-13.00	PASS
	3655.8000	-53.1703	-13.00	PASS
	4062.0000	-54.0126	-13.00	PASS

Analog: 418.05 MHz, 25kHz Channel Spacing, Max Power



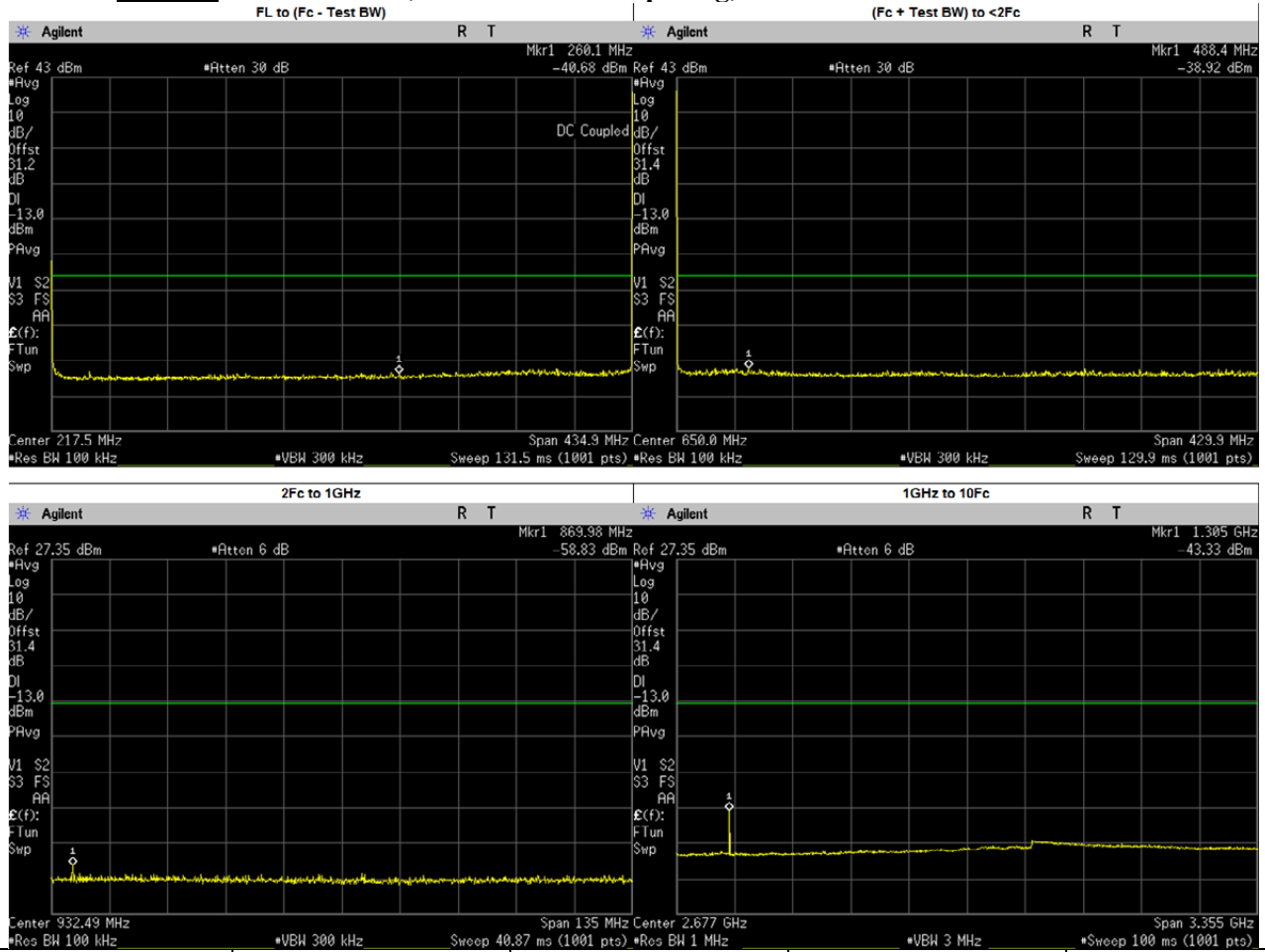
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	371.6000	-40.3880	-13.00	PASS
(Fc + Test BW) to <2Fc	795.9955	-38.6700	-13.00	PASS
2Fc to 1GHz	836.1000	-52.2300	-13.00	PASS
1GHz to 10Fc	1254.0000	-45.2200	-13.00	PASS
	1672.2000	-55.7655	-13.00	PASS
	2090.2500	-54.7004	-13.00	PASS
	2508.3000	-54.1826	-13.00	PASS
	2926.3500	-53.6140	-13.00	PASS
	3344.4000	-52.7381	-13.00	PASS
	3762.4500	-53.4868	-13.00	PASS
	4180.5000	-53.6808	-13.00	PASS

Analog: 429.9875 MHz, 25kHz Channel Spacing, Max Power



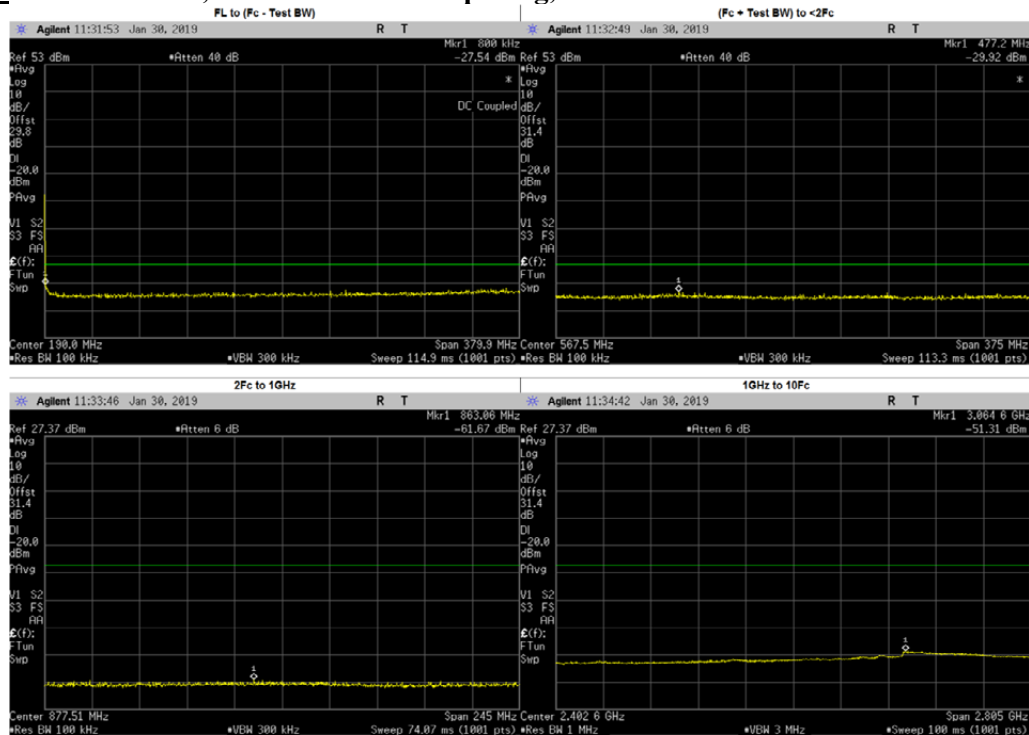
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	414.9000	-41.1720	-13.00	PASS
(Fc + Test BW) to <2Fc	633.1606	-39.1900	-13.00	PASS
2Fc to 1GHz	859.9750	-50.8200	-13.00	PASS
1GHz to 10Fc	1290.0000	-42.1800	-13.00	PASS
	1719.9500	-55.5035	-13.00	PASS
	2149.9370	-55.0116	-13.00	PASS
	2579.9250	-54.6359	-13.00	PASS
	3009.9120	-53.8007	-13.00	PASS
	3439.9000	-53.2868	-13.00	PASS
	3869.8870	-53.5655	-13.00	PASS
	4299.8750	-54.0282	-13.00	PASS

Analog: 434.9875 MHz, 25kHz Channel Spacing, Max Power



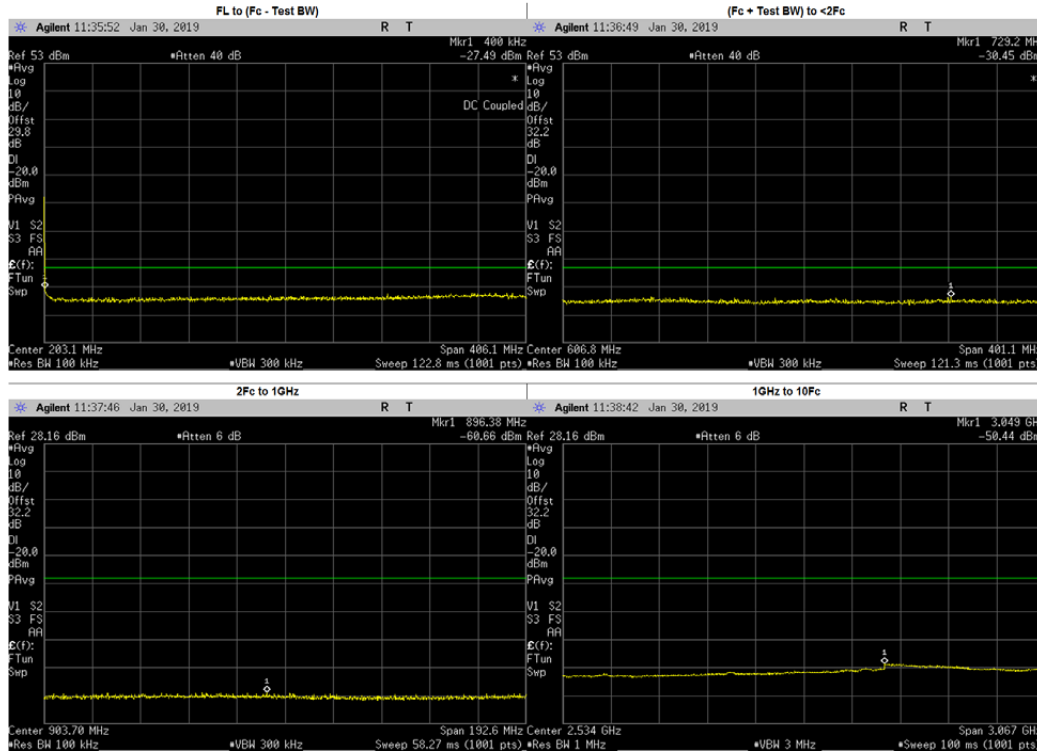
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	260.1000	-40.6780	-13	PASS
(Fc + Test BW) to <2Fc	488.3547	-38.9200	-13.00	PASS
2Fc to 1GHz	869.9750	-58.8300	-13.00	PASS
1GHz to 10Fc	1305.0000	-43.3300	-13.00	PASS
	1739.9500	-55.3955	-13.00	PASS
	2174.9370	-55.1493	-13.00	PASS
	2609.9250	-54.7044	-13.00	PASS
	3044.9120	-53.9201	-13.00	PASS
	3479.9000	-53.3627	-13.00	PASS
	3914.8870	-53.6278	-13.00	PASS
	4349.8750	-54.1918	-13.00	PASS

Analog: 380.0125 MHz, 12.5kHz Channel Spacing, Max Power



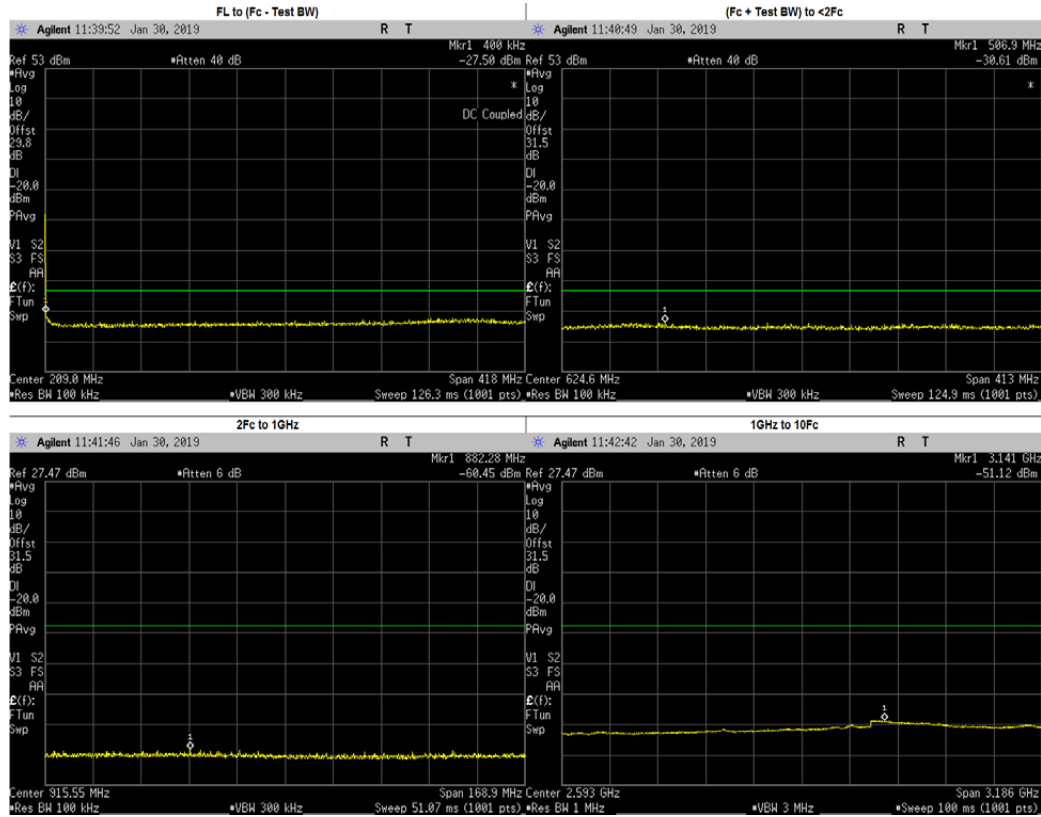
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.8000	-27.54	-20	PASS
(Fc + Test BW) to <2Fc	477.1820	-29.92	-20	PASS
2Fc to 1GHz	863.0590	-61.67	-20	PASS
	760.0250	-62.73	-20	PASS
1GHz to 10Fc	3064.5720	-51.31	-20	PASS
	1140.0370	-55.64	-20	PASS
	1520.0500	-55.60	-20	PASS
	1900.0620	-55.10	-20	PASS
	2280.0750	-54.77	-20	PASS
	2660.0880	-54.22	-20	PASS
	3040.1000	-53.22	-20	PASS
	3420.1130	-52.35	-20	PASS
	3800.1250	-53.40	-20	PASS

Analog: 406.2 MHz, 12.5kHz Channel Spacing, Max Power



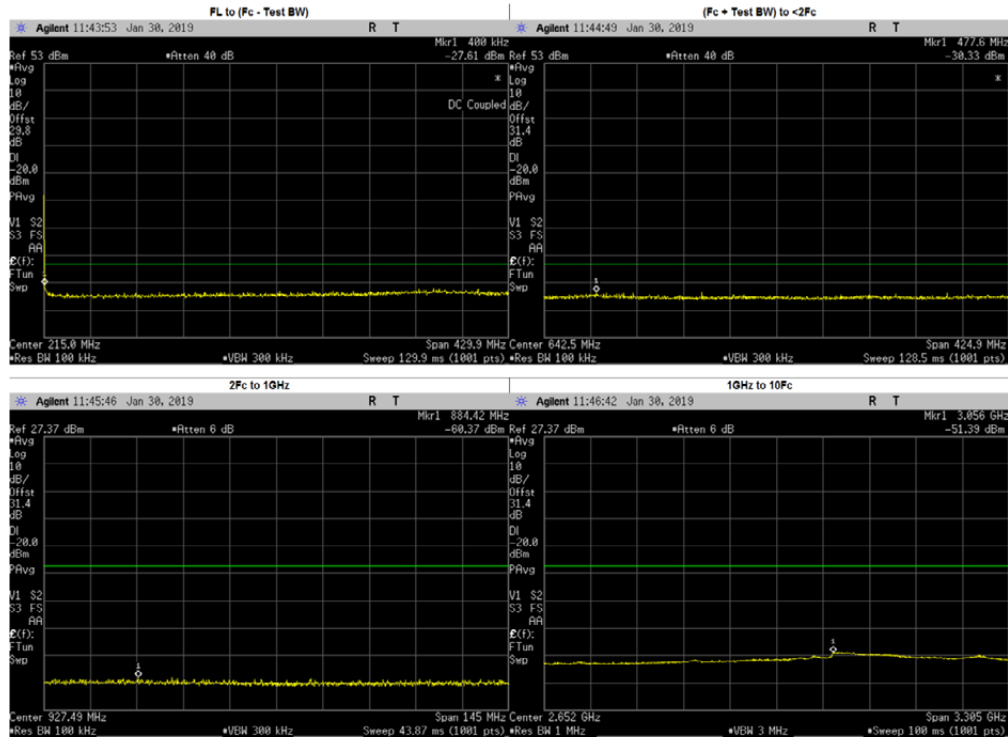
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-27.56	-20	PASS
(Fc + Test BW) to <2Fc	729.1768	-30.45	-20	PASS
2Fc to 1GHz	896.3812	-60.66	-20	PASS
	812.4000	-61.57	-20	PASS
1GHz to 10Fc	3048.7560	-50.44	-20	PASS
	1218.6000	-54.64	-20	PASS
	1624.8000	-54.66	-20	PASS
	2031.0000	-54.05	-20	PASS
	2437.2000	-53.78	-20	PASS
	2843.4000	-52.83	-20	PASS
	3249.6000	-51.44	-20	PASS
	3655.8000	-52.58	-20	PASS
	4062.0000	-52.26	-20	PASS

Analog: 418.05 MHz, 12.5kHz Channel Spacing, Max Power



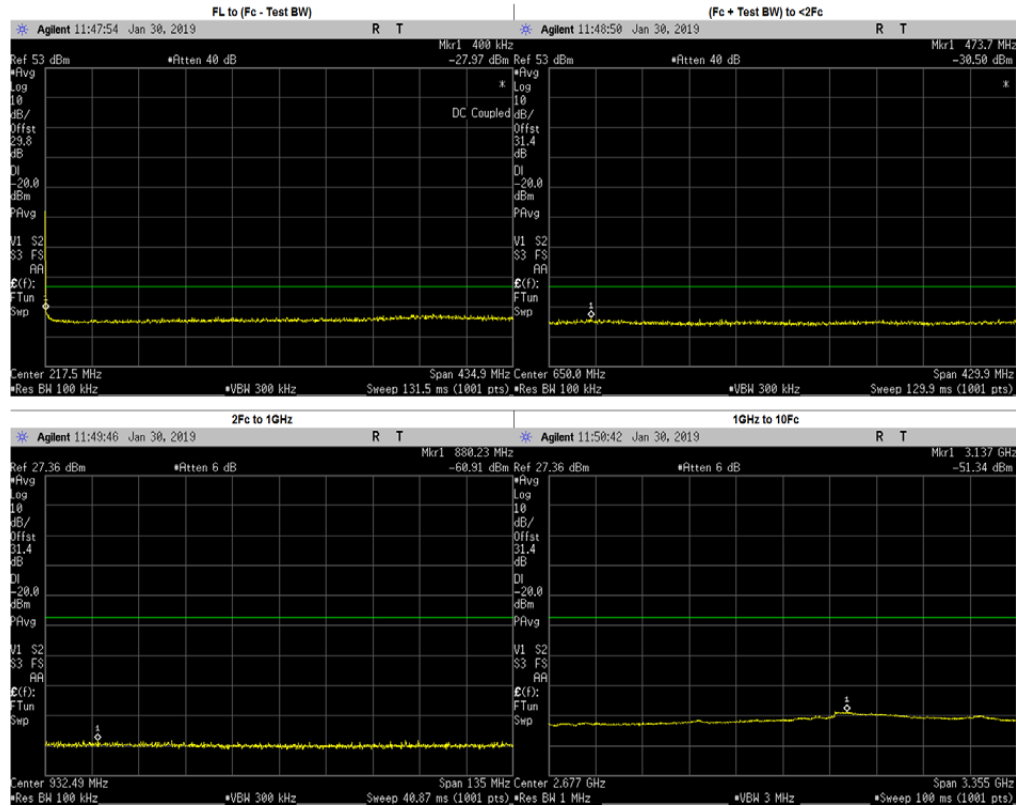
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-27.50	-20	PASS
(Fc + Test BW) to <2Fc	506.8994	-30.61	-20	PASS
2Fc to 1GHz	882.2767	-60.45	-20	PASS
	836.1000	-62.54	-20	PASS
1GHz to 10Fc	3140.6560	-51.12	-20	PASS
	1254.1500	-54.96	-20	PASS
	1672.2000	-55.56	-20	PASS
	2090.2500	-54.38	-20	PASS
	2508.3000	-54.02	-20	PASS
	2926.3500	-52.78	-20	PASS
	3344.4000	-52.31	-20	PASS
	3762.4500	-53.31	-20	PASS
	4180.5000	-53.49	-20	PASS

Analog: 429.9875 MHz, 12.5kHz Channel Spacing, Max Power



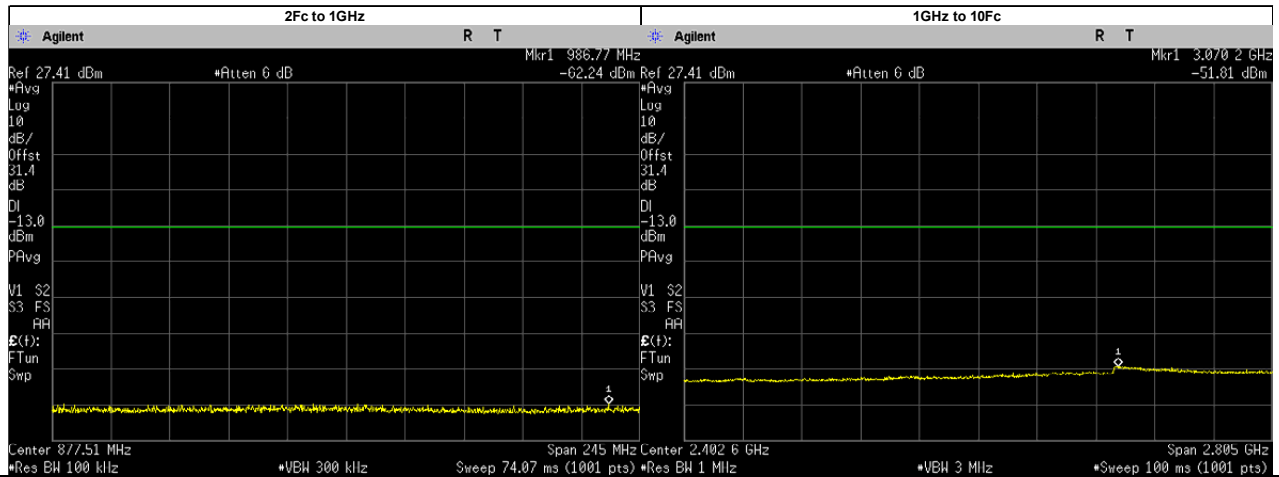
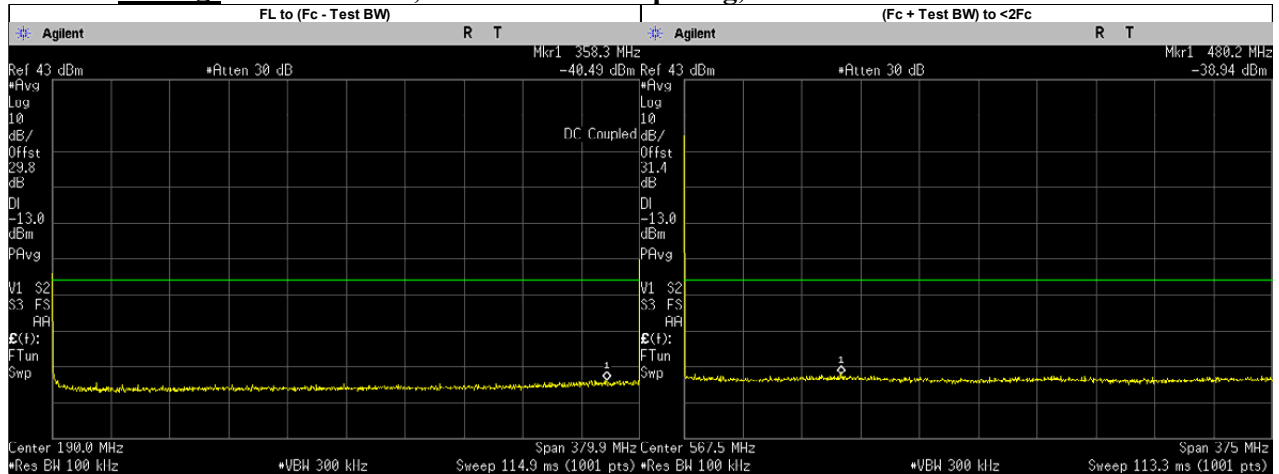
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-27.61	-20	PASS
(Fc + Test BW) to <2Fc	477.6355	-30.33	-20	PASS
2Fc to 1GHz	884.4151	-60.37	-20	PASS
	859.9750	-62.65	-20	PASS
1GHz to 10Fc	3055.6320	-51.39	-20	PASS
	1289.9630	-55.41	-20	PASS
	1719.9500	-55.34	-20	PASS
	2149.9370	-54.97	-20	PASS
	2579.9250	-54.14	-20	PASS
	3009.9120	-53.39	-20	PASS
	3439.9000	-52.54	-20	PASS
	3869.8870	-53.61	-20	PASS
	4299.8750	-54.33	-20	PASS

Analog: 434.9875 MHz, 12.5kHz Channel Spacing, Max Power



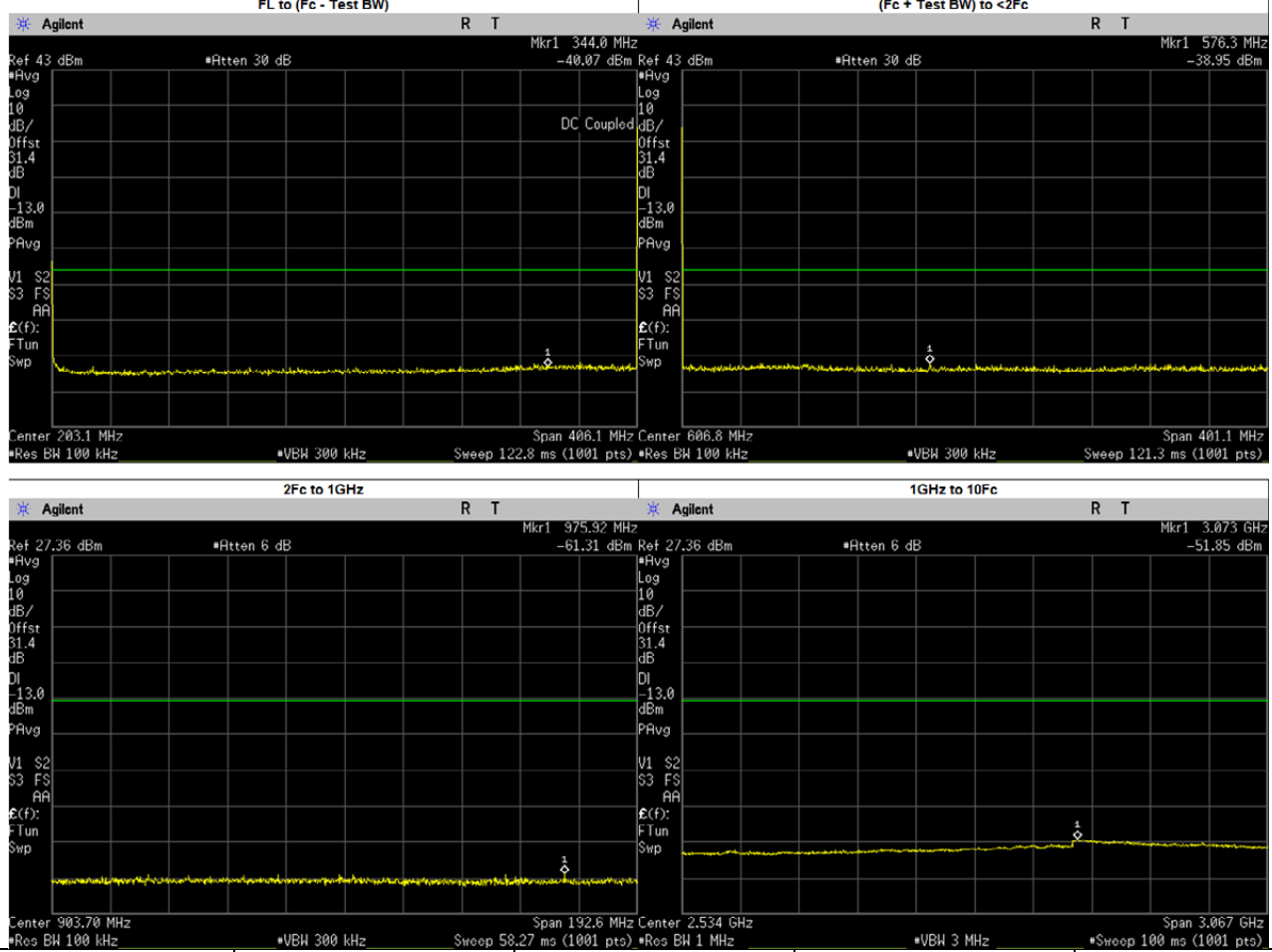
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	400.0000	-27.97	-20	PASS
(Fc + Test BW) to <2Fc	473.7000	-30.69	-20	PASS
2Fc to 1GHz	880.2328	-60.91	-20	PASS
	869.9750	-62.38	-20	PASS
1GHz to 10Fc	3137.0550	-51.34	-20	PASS
	1304.9630	-55.50	-20	PASS
	1739.9500	-55.38	-20	PASS
	2174.9370	-54.90	-20	PASS
	2609.9250	-54.24	-20	PASS
	3044.9120	-53.05	-20	PASS
	3479.9000	-52.62	-20	PASS
	3914.8870	-53.66	-20	PASS
	4349.8750	-54.14	-20	PASS

Analog: 380.0125 MHz, 25kHz Channel Spacing, Low Power



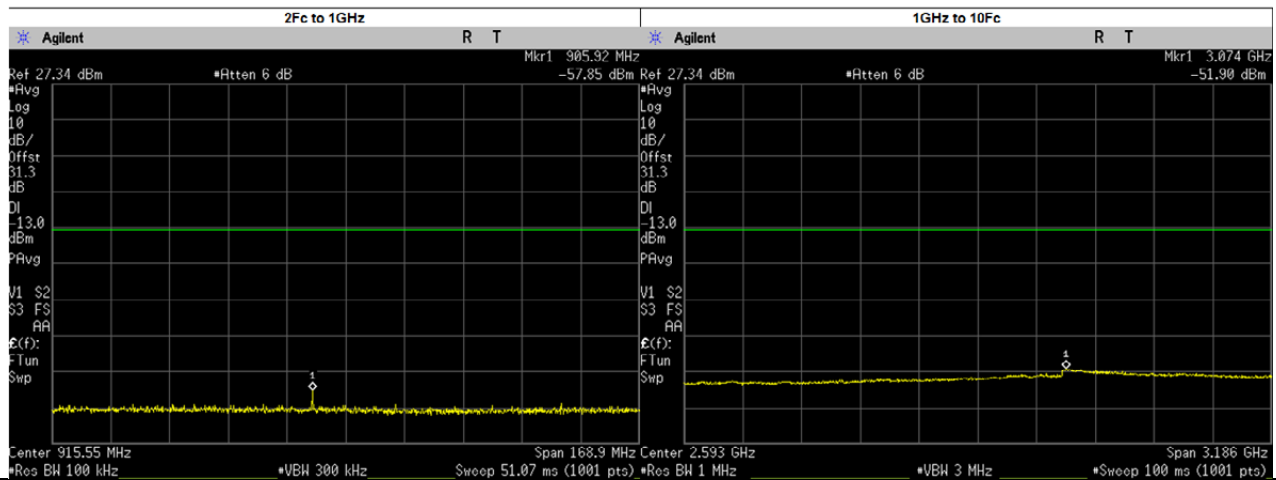
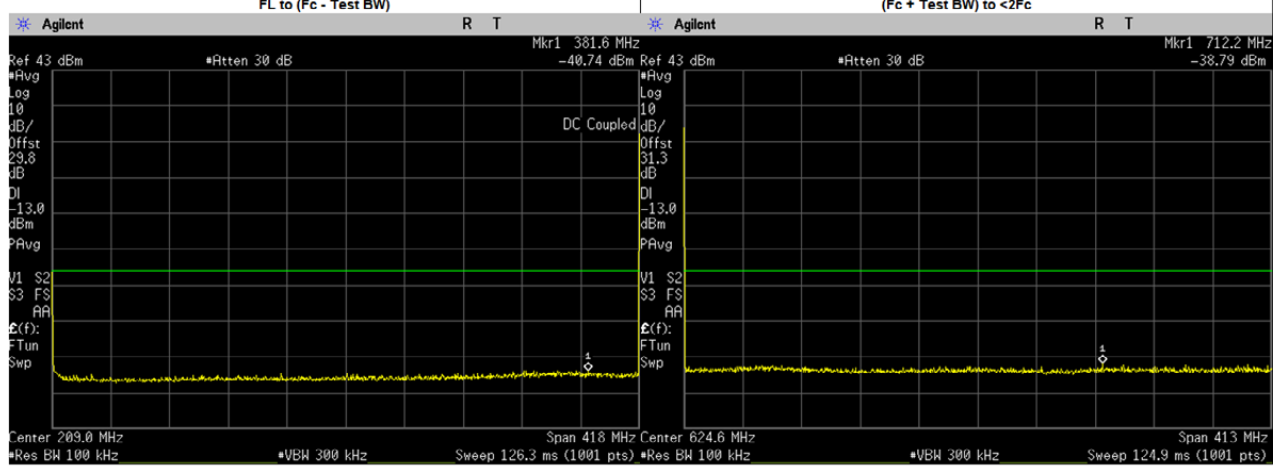
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	358.3000	-40.4890	-13.00	PASS
(Fc + Test BW) to <2Fc	480.1816	-38.9400	-13.00	PASS
2Fc to 1GHz	986.7713	-62.2400	-13.00	PASS
1GHz to 10Fc	3070.1820	-51.8100	-13.00	PASS
	1140.0370	-55.7348	-13.00	PASS
	1520.0500	-55.5139	-13.00	PASS
	1900.0620	-55.3217	-13.00	PASS
	2280.0750	-54.9258	-13.00	PASS
	2660.0880	-54.3153	-13.00	PASS
	3040.1000	-53.5431	-13.00	PASS
	3420.1130	-53.0760	-13.00	PASS
	3800.1250	-53.4973	-13.00	PASS

Analog: 406.2 MHz, 25kHz Channel Spacing, Low Power



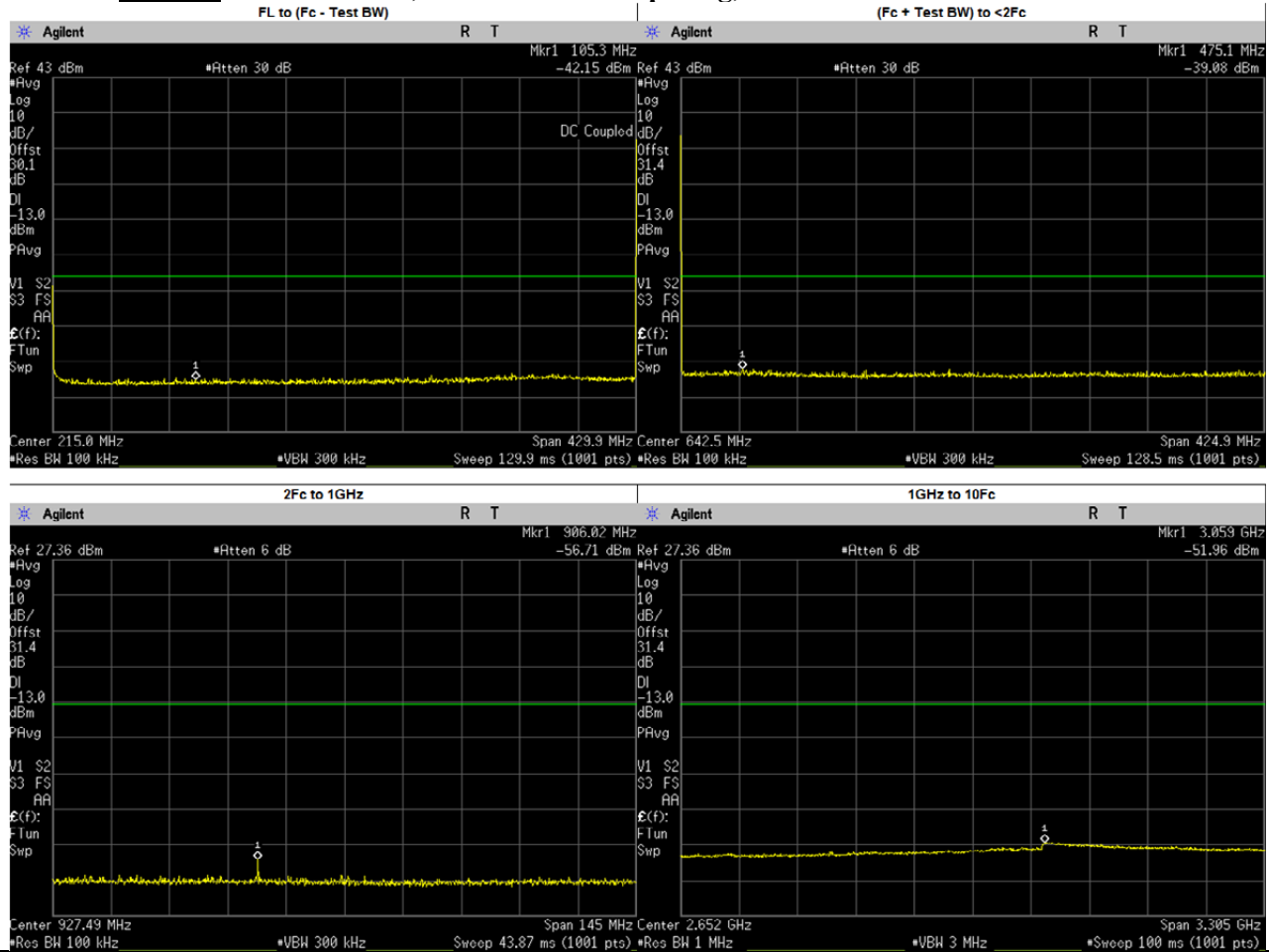
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	344.0000	-40.0710	-13.00	PASS
(Fc + Test BW) to <2Fc	576.3408	-38.9500	-13.00	PASS
2Fc to 1GHz	975.9250	-61.3100	-13.00	PASS
1GHz to 10Fc	3073.2920	-51.8500	-13.00	PASS
	1218.6000	-55.6361	-13.00	PASS
	1624.8000	-55.5846	-13.00	PASS
	2031.0000	-55.0344	-13.00	PASS
	2437.2000	-54.8977	-13.00	PASS
	2843.4000	-53.6876	-13.00	PASS
	3249.6000	-52.8880	-13.00	PASS
	3655.8000	-53.4515	-13.00	PASS
	4062.0000	-54.0983	-13.00	PASS

Analog: 418.05 MHz, 25kHz Channel Spacing, Low Power



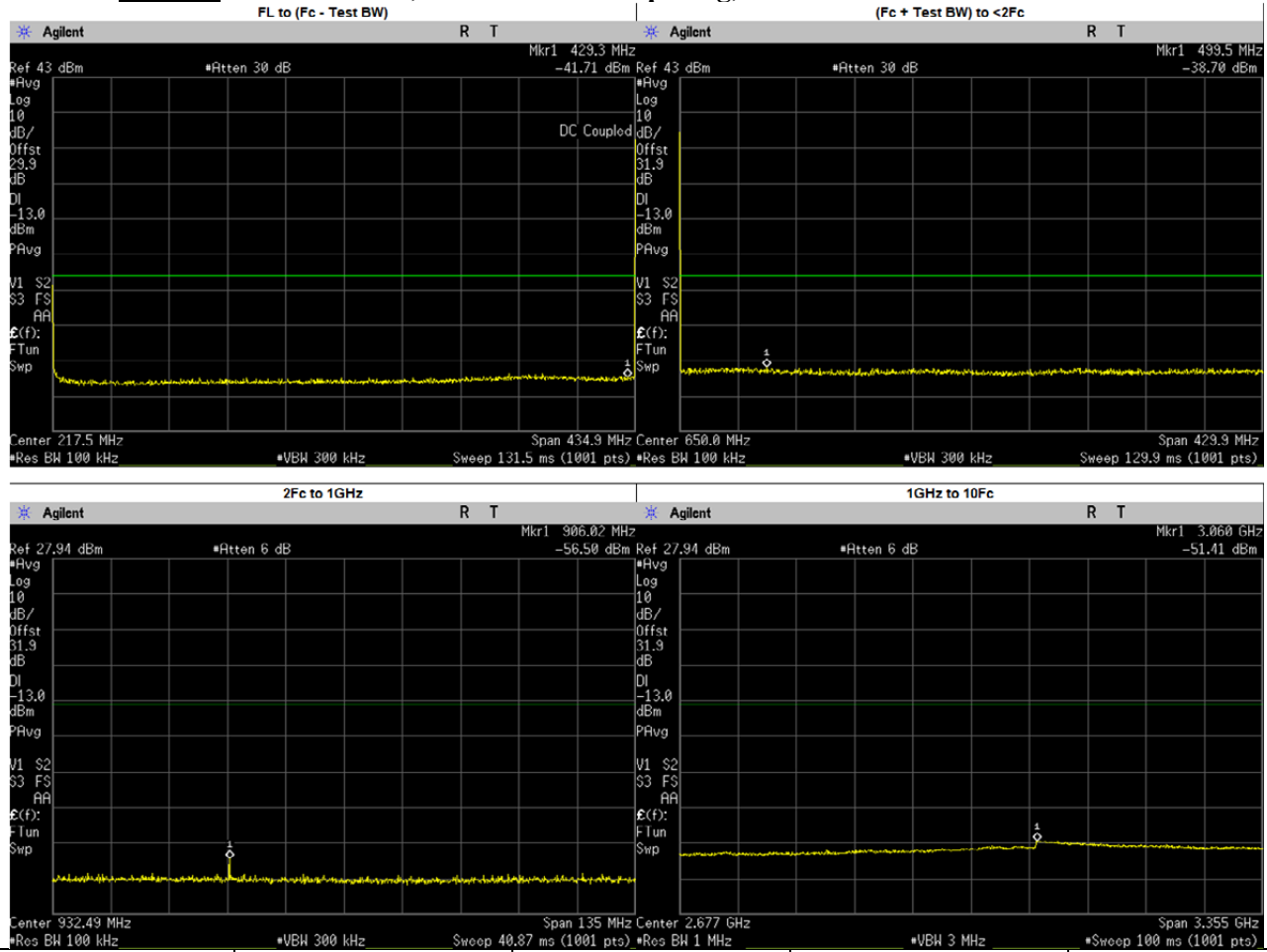
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	381.6000	-40.7420	-13.00	PASS
(Fc + Test BW) to <2Fc	712.1576	-38.7900	-13.00	PASS
2Fc to 1GHz	905.9227	-57.8500	-13.00	PASS
1GHz to 10Fc	3073.7600	-51.9000	-13.00	PASS
	1254.1500	-55.4940	-13.00	PASS
	1672.2000	-55.7101	-13.00	PASS
	2090.2500	-54.9566	-13.00	PASS
	2508.3000	-54.5907	-13.00	PASS
	2926.3500	-53.7363	-13.00	PASS
	3344.4000	-53.0471	-13.00	PASS
	3762.4500	-53.4400	-13.00	PASS
	4180.5000	-53.8537	-13.00	PASS

Analog: 429.9875 MHz, 25kHz Channel Spacing, Low Power



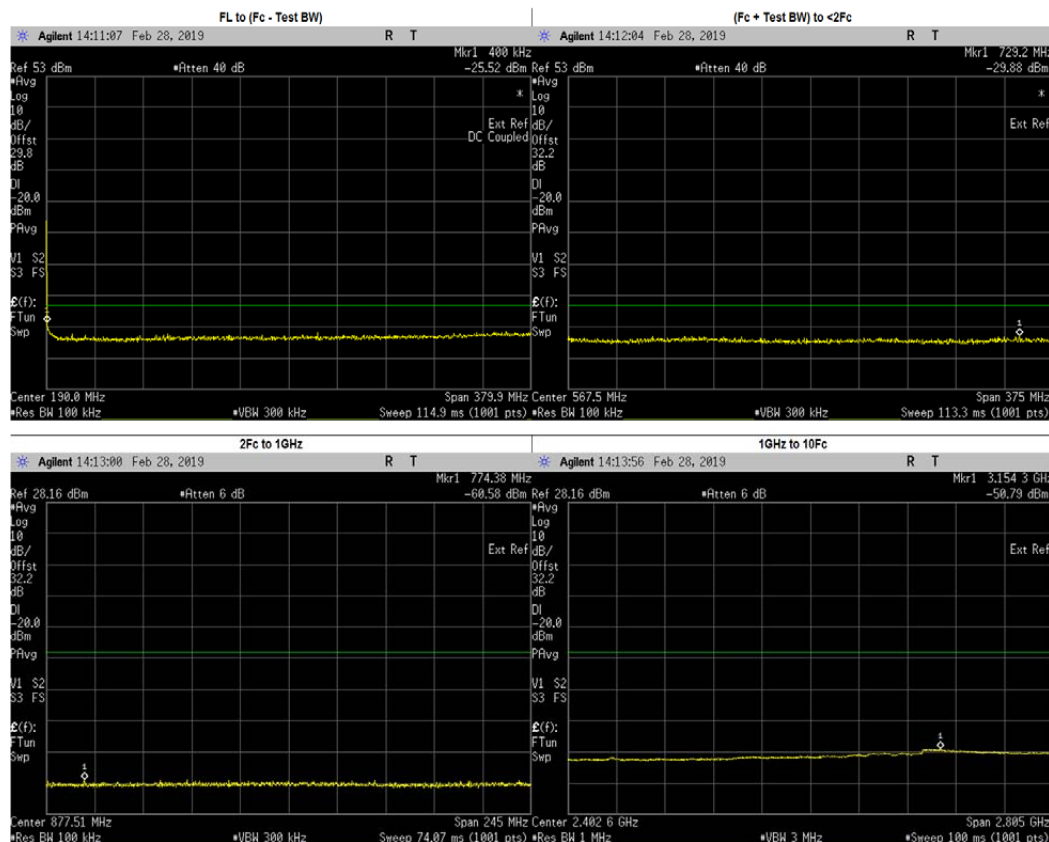
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	105.3000	-42.1450	-13.00	PASS
(Fc + Test BW) to <2Fc	475.0859	-39.0800	-13.00	PASS
2Fc to 1GHz	906.0238	-56.7000	-13.00	PASS
1GHz to 10Fc	3058.9370	-51.9600	-13.00	PASS
	1289.9630	-55.3573	-13.00	PASS
	1719.9500	-55.4156	-13.00	PASS
	2149.9370	-55.1768	-13.00	PASS
	2579.9250	-54.6290	-13.00	PASS
	3009.9120	-53.9504	-13.00	PASS
	3439.9000	-53.3156	-13.00	PASS
	3869.8870	-53.6632	-13.00	PASS
	4299.8750	-54.0171	-13.00	PASS

Analog: 434.9875 MHz, 25kHz Channel Spacing, Low Power



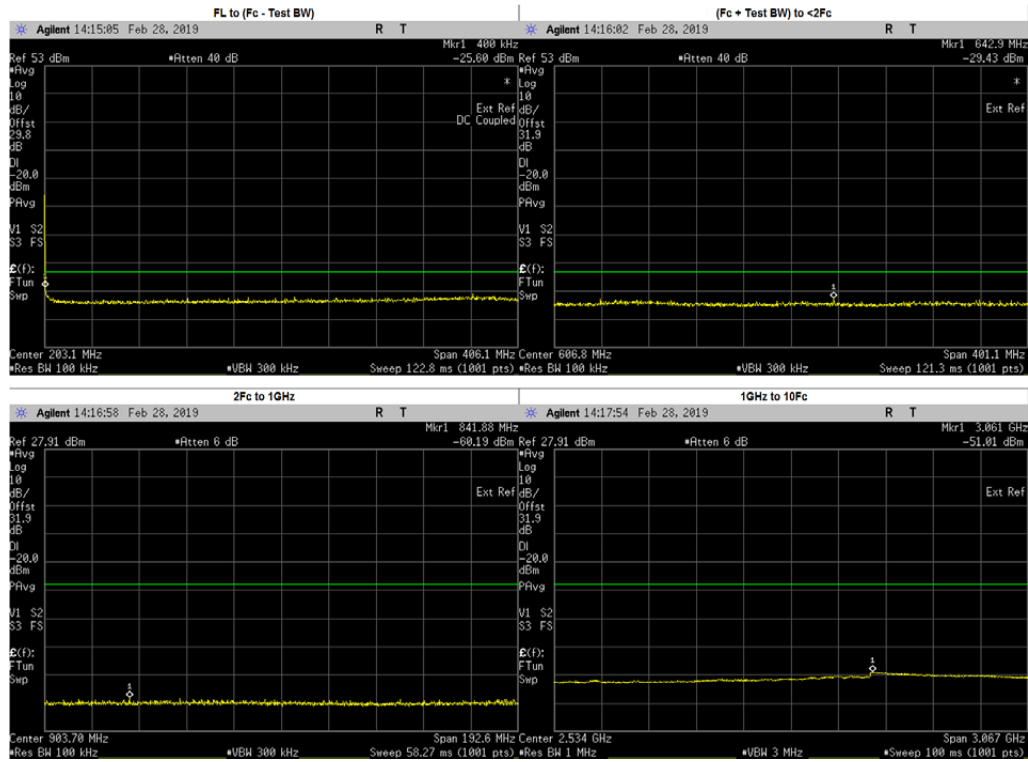
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	429.3000	-41.7130	-13.00	PASS
(Fc + Test BW) to <2Fc	499.5329	-38.7000	-13.00	PASS
2Fc to 1GHz	906.0226	-56.5000	-13.00	PASS
1GHz to 10Fc	3059.8930	-51.4100	-13.00	PASS
	1304.9630	-55.0346	-13.00	PASS
	1739.9500	-54.8445	-13.00	PASS
	2174.9370	-54.4313	-13.00	PASS
	2609.9250	-54.0210	-13.00	PASS
	3044.9120	-53.1387	-13.00	PASS
	3479.9000	-52.7299	-13.00	PASS
	3914.8870	-53.1999	-13.00	PASS
	4349.8750	-53.4546	-13.00	PASS

Analog: 380.0125 MHz, 12.5kHz Channel Spacing, Low Power



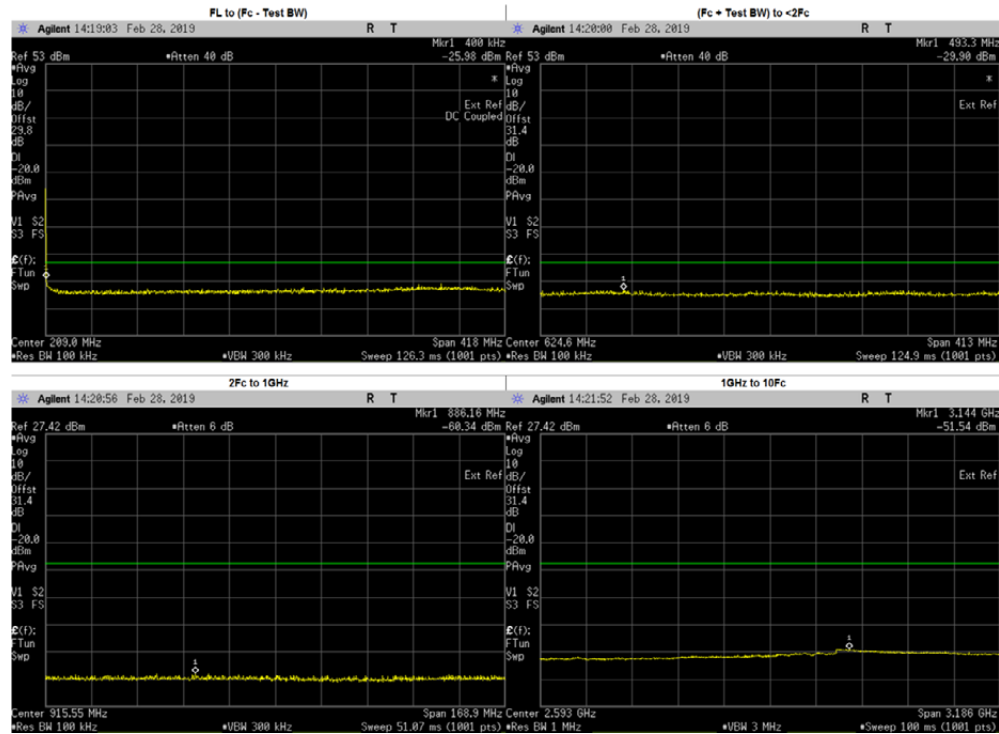
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-25.52	-20	PASS
(Fc + Test BW) to <2Fc	729.1530	-29.88	-20	PASS
2Fc to 1GHz	774.3780	-60.58	-20	PASS
	760.0250	-62.21	-20	PASS
1GHz to 10Fc	3154.3360	-50.79	-20	PASS
	1140.0370	-54.37	-20	PASS
	1520.0500	-54.14	-20	PASS
	1900.0620	-53.97	-20	PASS
	2280.0750	-53.62	-20	PASS
	2660.0880	-52.84	-20	PASS
	3040.1000	-52.25	-20	PASS
	3420.1130	-51.90	-20	PASS
	3800.1250	-52.19	-20	PASS

Analog: 406.2 MHz, 12.5kHz Channel Spacing, Low Power



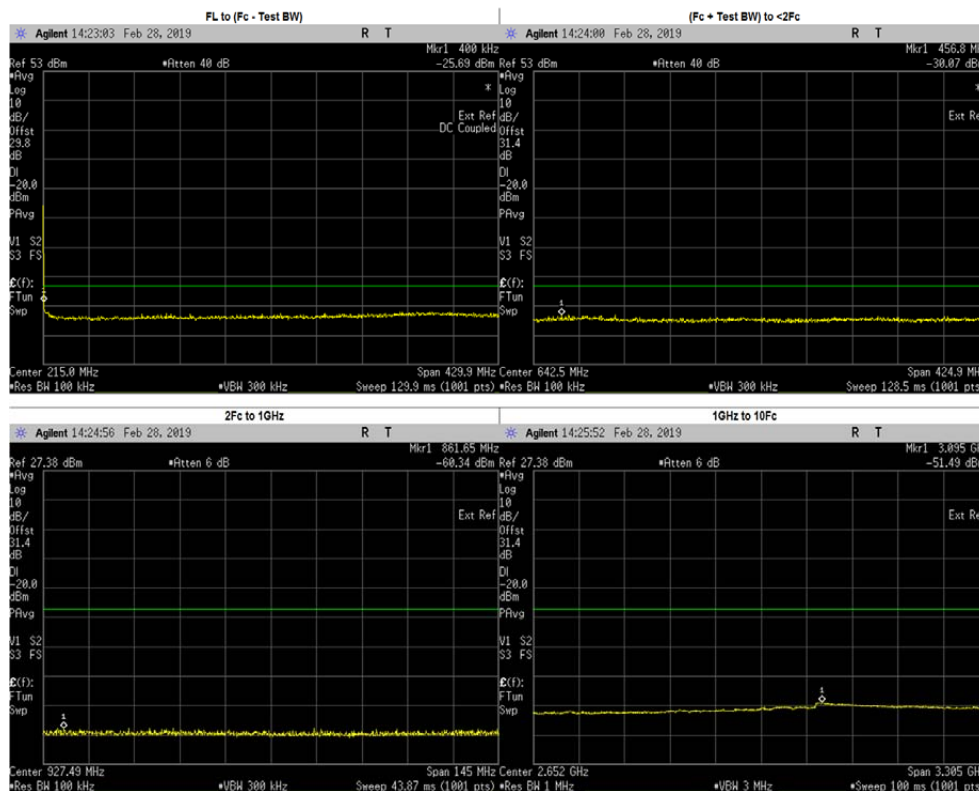
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-25.60	-20	PASS
(Fc + Test BW) to <2Fc	642.9308	-29.43	-20	PASS
2Fc to 1GHz	841.8754	-60.19	-20	PASS
	812.4000	-62.09	-20	PASS
1GHz to 10Fc	3061.0240	-51.01	-20	PASS
	1218.6000	-54.46	-20	PASS
	1624.8000	-54.56	-20	PASS
	2031.0000	-53.91	-20	PASS
	2437.2000	-53.82	-20	PASS
	2843.4000	-52.63	-20	PASS
	3249.6000	-51.64	-20	PASS
	3655.8000	-52.41	-20	PASS
	4062.0000	-52.95	-20	PASS

Analog: 418.05 MHz, 12.5kHz Channel Spacing, Low Power



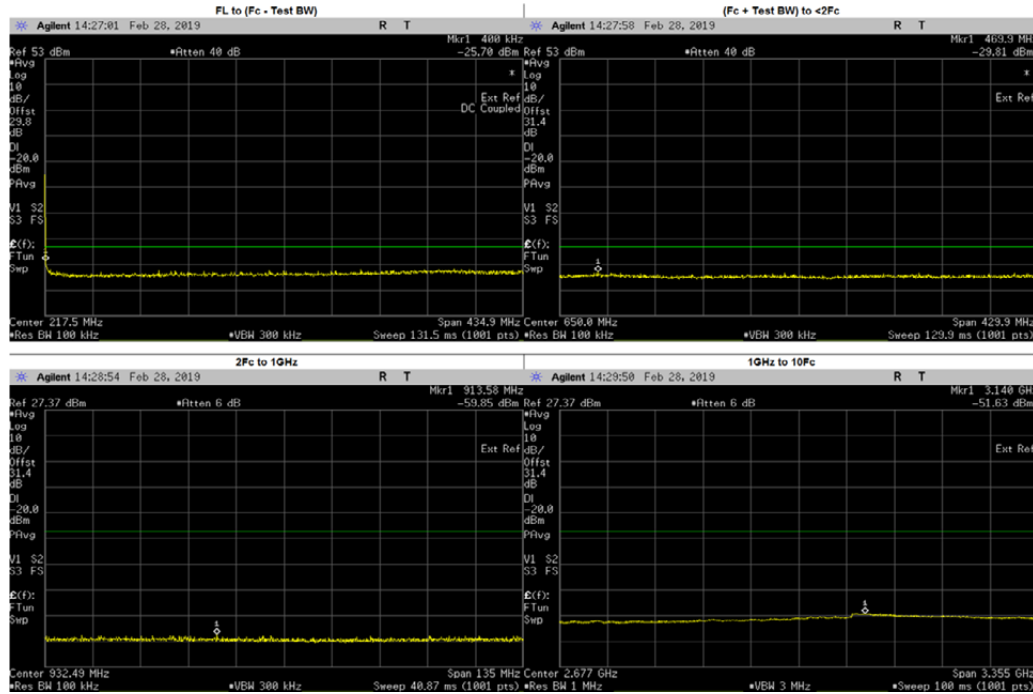
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-25.98	-20	PASS
(Fc + Test BW) to <2Fc	493.2706	-29.90	-20	PASS
2Fc to 1GHz	886.1614	-60.34	-20	PASS
	836.1000	-62.49	-20	PASS
1GHz to 10Fc	3143.8410	-51.54	-20	PASS
	1254.1500	-54.64	-20	PASS
	1672.2000	-55.05	-20	PASS
	2090.2500	-54.27	-20	PASS
	2508.3000	-53.91	-20	PASS
	2926.3500	-53.04	-20	PASS
	3344.4000	-52.54	-20	PASS
	3762.4500	-52.95	-20	PASS
	4180.5000	-53.39	-20	PASS

Analog: 429.9875 MHz, 12.5kHz Channel Spacing, Low Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-25.69	-20	PASS
(Fc + Test BW) to <2Fc	456.8138	-30.07	-20	PASS
2Fc to 1GHz	861.6462	-60.34	-20	PASS
	859.9750	-61.79	-20	PASS
1GHz to 10Fc	3095.2910	-51.49	-20	PASS
	1289.9630	-55.05	-20	PASS
	1719.9500	-54.85	-20	PASS
	2149.9370	-54.60	-20	PASS
	2579.9250	-54.24	-20	PASS
	3009.9120	-53.41	-20	PASS
	3439.9000	-52.72	-20	PASS
	3869.8870	-53.20	-20	PASS
	4299.8750	-53.64	-20	PASS

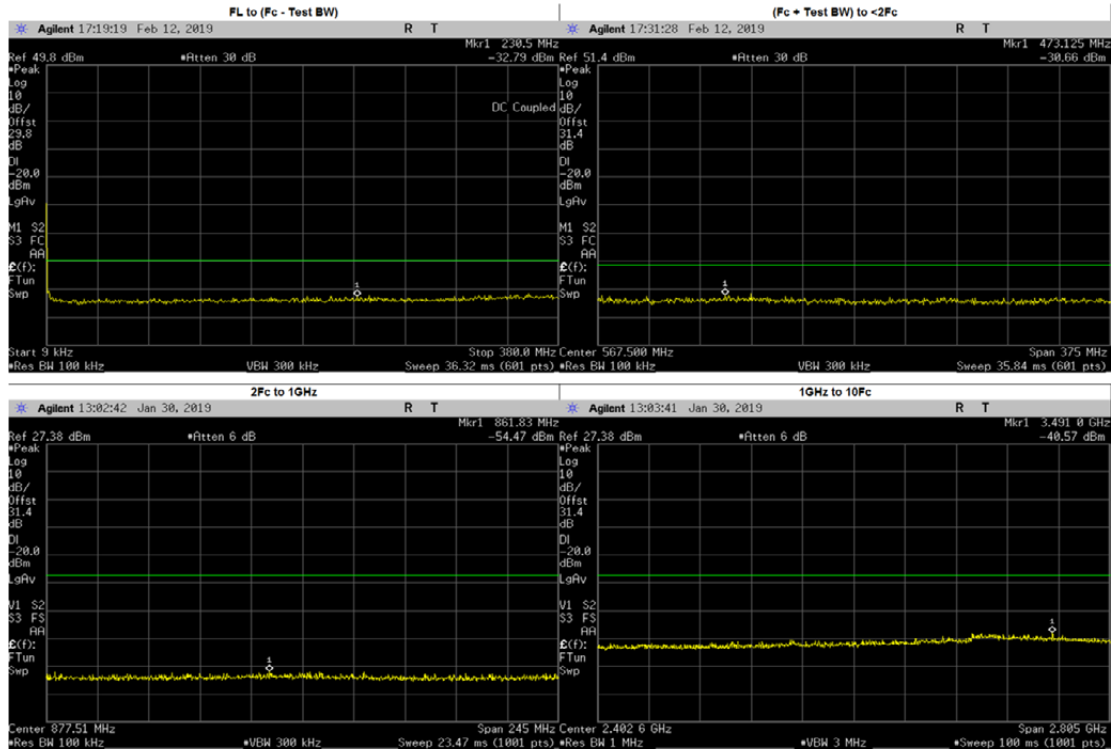
Analog: 434.9875 MHz, 12.5kHz Channel Spacing, Low Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.4000	-25.70	-20	PASS
(Fc + Test BW) to <2Fc	469.8676	-29.81	-20	PASS
2Fc to 1GHz	913.5840	-59.85	-20	PASS
	869.9750	-62.26	-20	PASS
1GHz to 10Fc	3140.4100	-51.63	-20	PASS
	1304.9630	-55.13	-20	PASS
	1739.9500	-55.01	-20	PASS
	2174.9370	-54.32	-20	PASS
	2609.9250	-54.06	-20	PASS
	3044.9120	-53.34	-20	PASS
	3479.9000	-52.77	-20	PASS
	3914.8870	-53.38	-20	PASS
	4349.8750	-53.64	-20	PASS

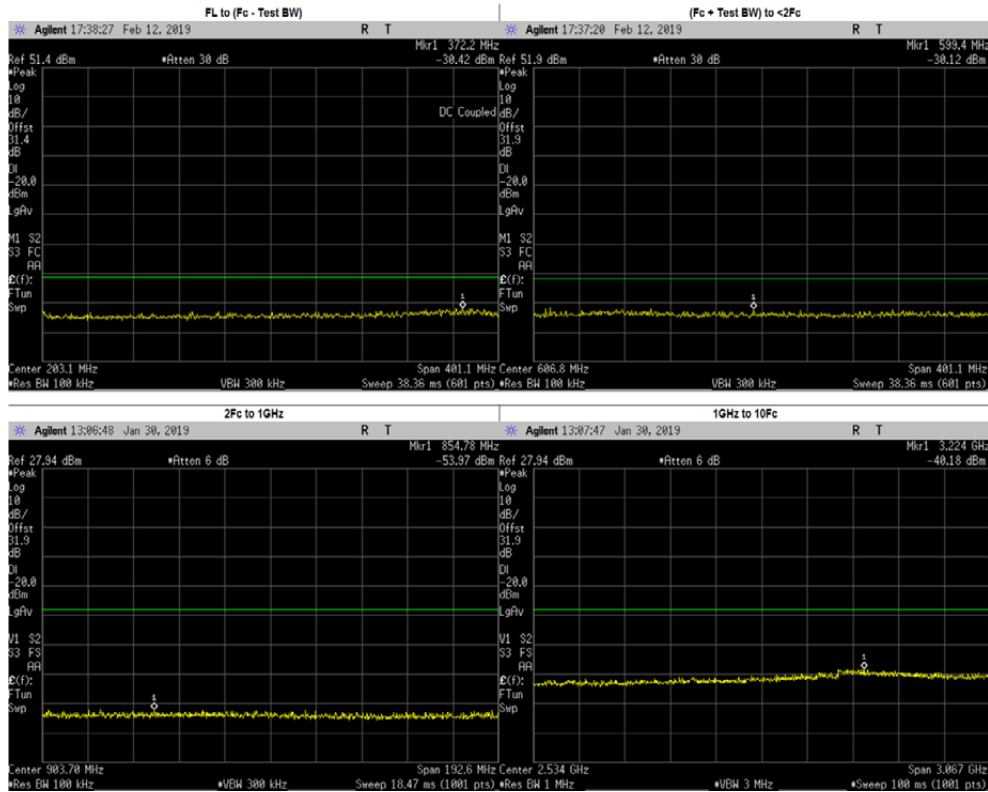
5.13.3. Test Result (Digital)

Digital: 380.0125 MHz, 12.5kHz Channel Spacing, Max Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	230.5000	-32.79	-20	PASS
(Fc + Test BW) to <2Fc	473.1250	-30.66	-20	PASS
2Fc to 1GHz	861.8341	-54.47	-20	PASS
	760.0250	-56.77	-20	PASS
1GHz to 10Fc	3490.9510	-40.57	-20	PASS
	1140.0370	-45.63	-20	PASS
	1520.0500	-46.11	-20	PASS
	1900.0620	-43.94	-20	PASS
	2280.0750	-44.41	-20	PASS
	2660.0880	-44.47	-20	PASS
	3040.1000	-43.37	-20	PASS
	3420.1130	-42.65	-20	PASS
	3800.1250	-43.07	-20	PASS

Digital: 406.2 MHz, 12.5kHz Channel Spacing, Max Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (MHz)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	372.2000	-30.42	-20	PASS
(Fc + Test BW) to <2Fc	599.4000	-30.12	-20	PASS
2Fc to 1GHz	854.7796	-53.97	-20	PASS
	812.4000	-55.75	-20	PASS
1GHz to 10Fc	3223.5750	-40.18	-20	PASS
	1218.6000	-45.00	-20	PASS
	1624.8000	-45.49	-20	PASS
	2031.0000	-44.50	-20	PASS
	2437.2000	-43.67	-20	PASS
	2843.4000	-43.31	-20	PASS
	3249.6000	-41.95	-20	PASS
	3655.8000	-42.92	-20	PASS
	4062.0000	-42.74	-20	PASS