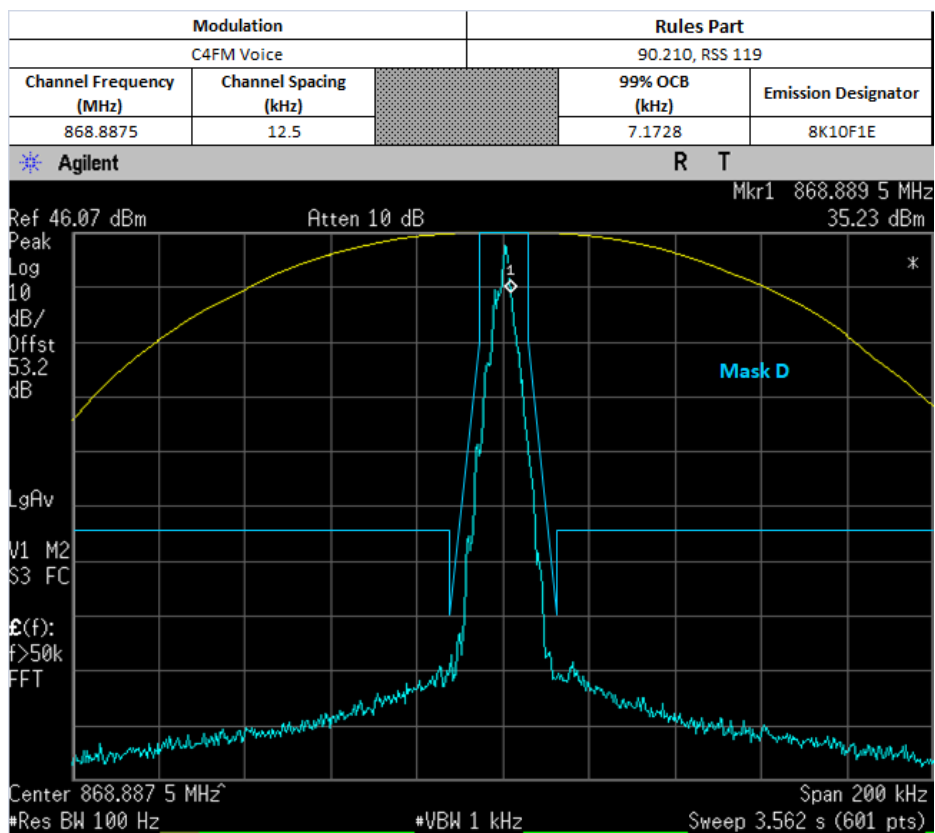
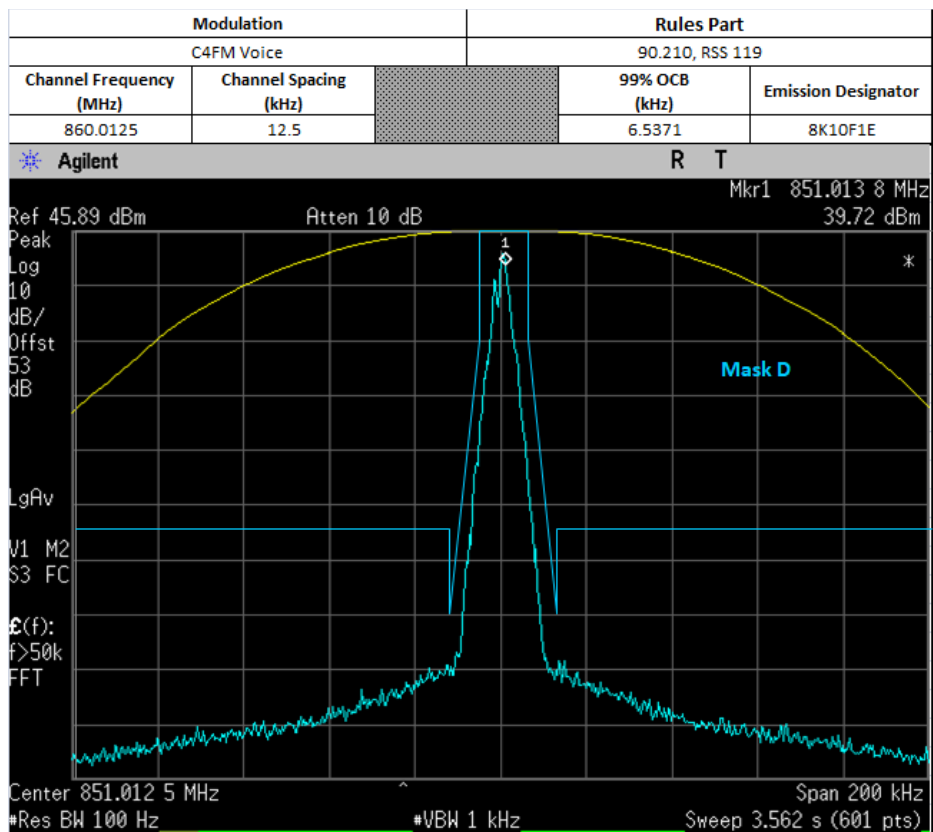
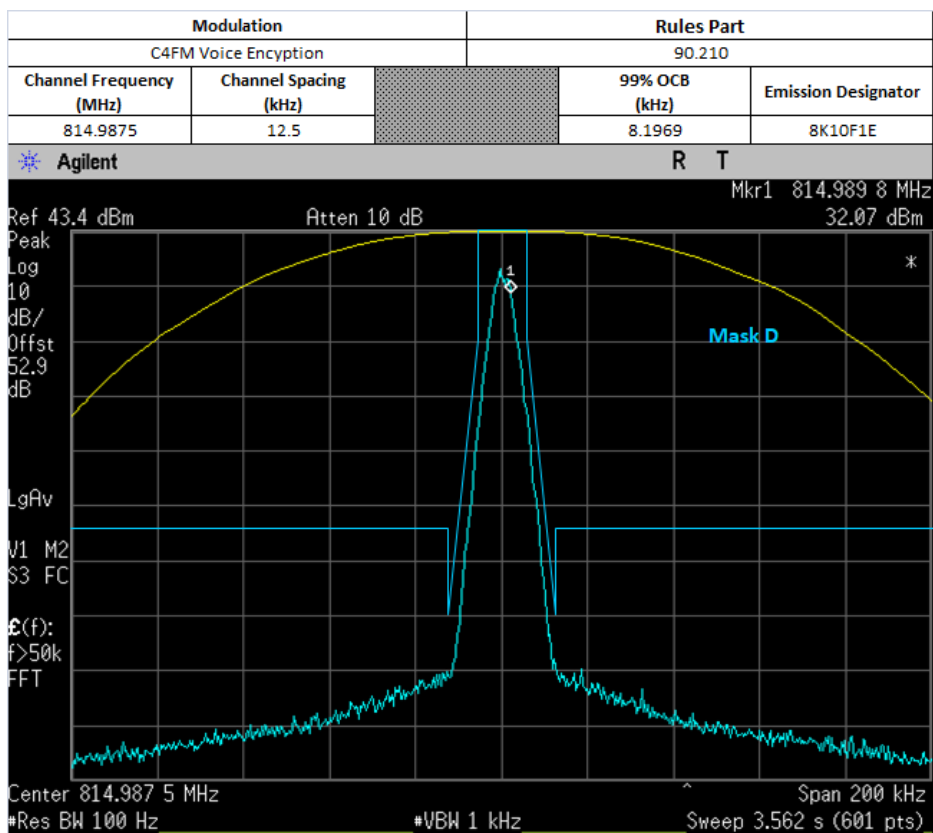
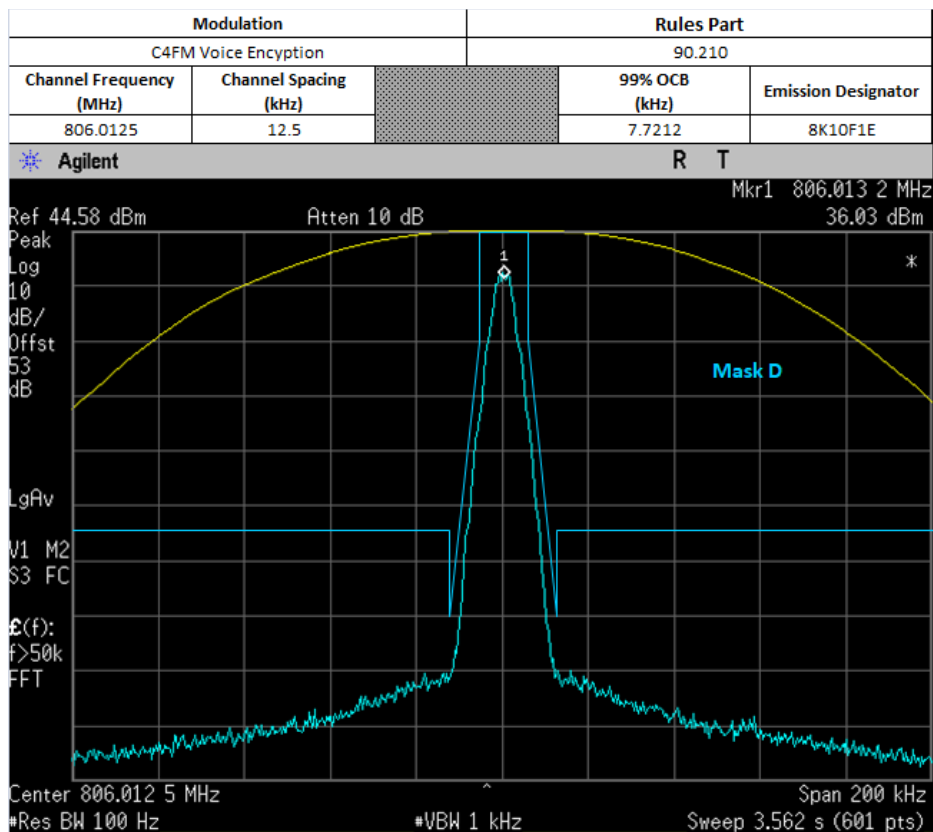
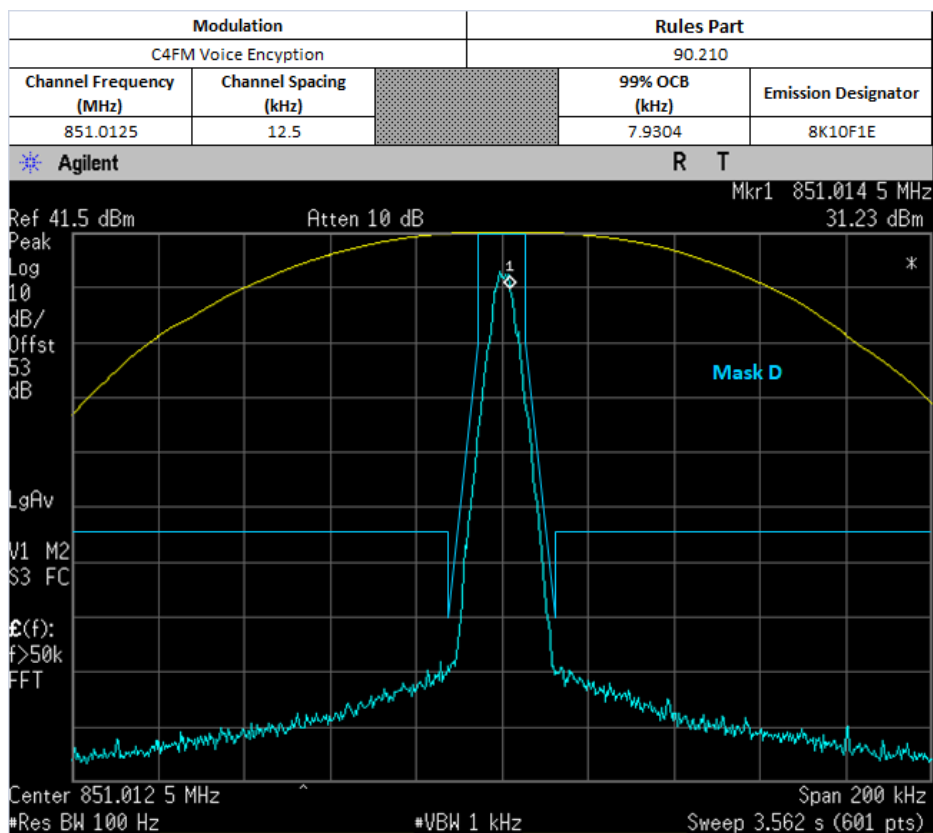
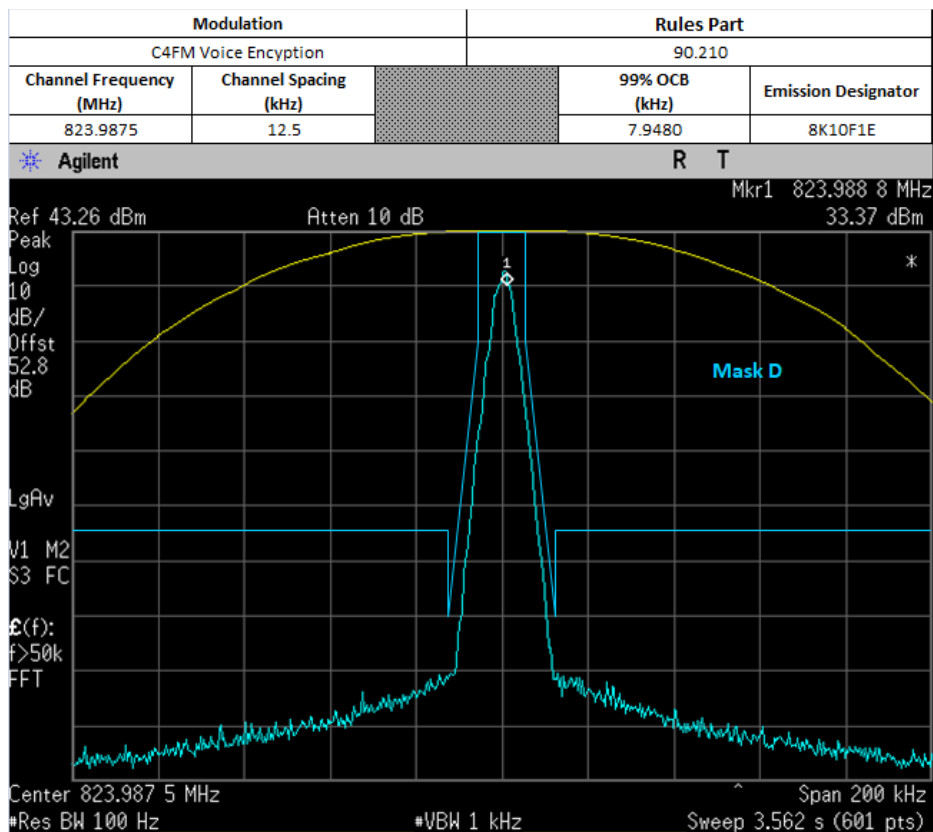
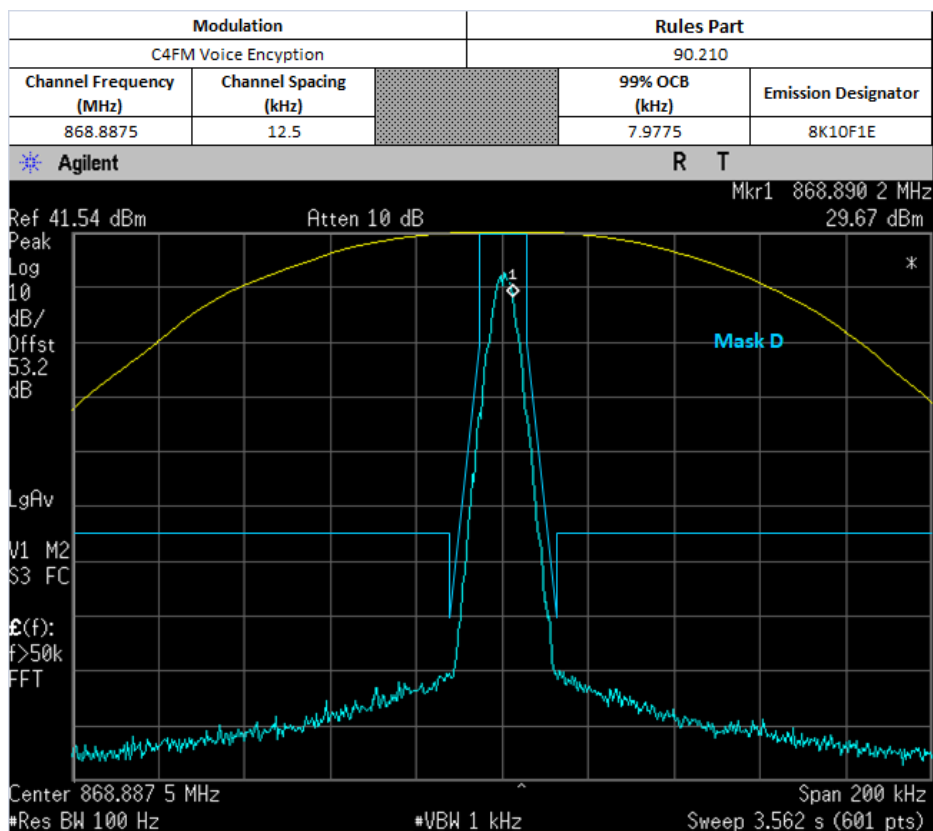
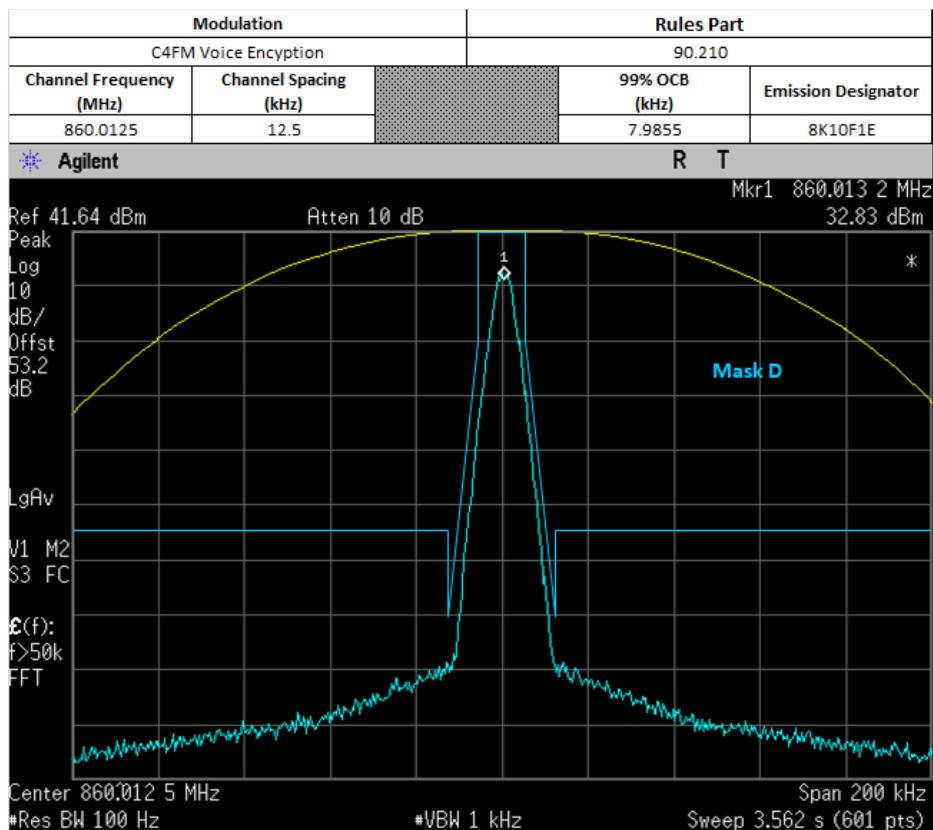
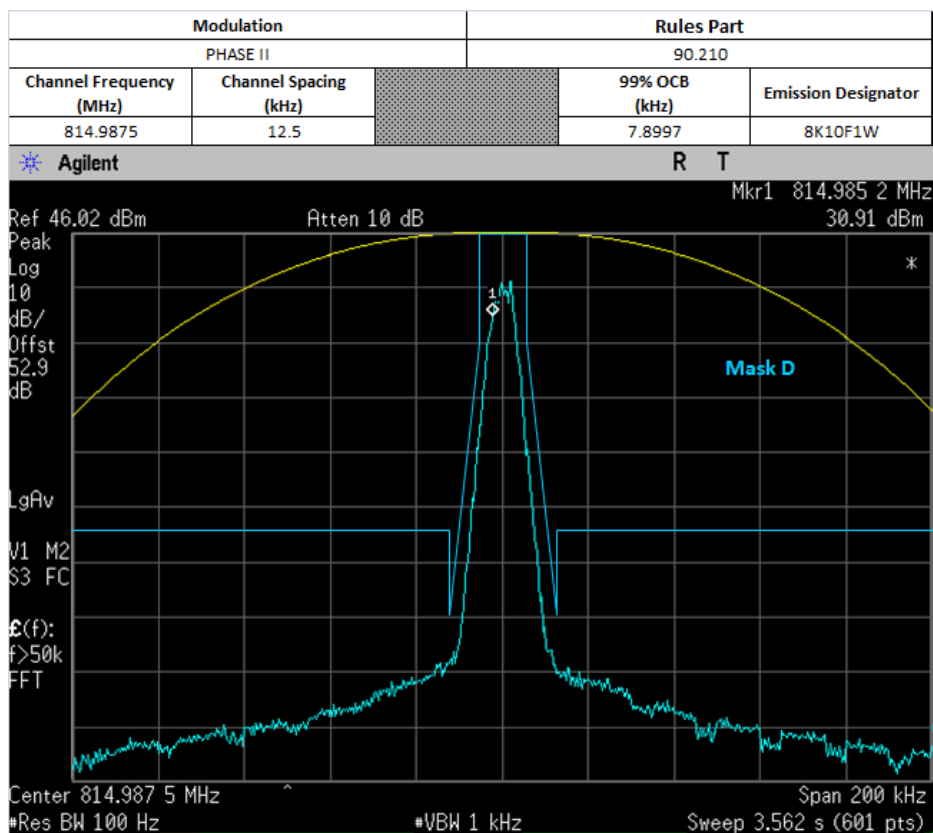
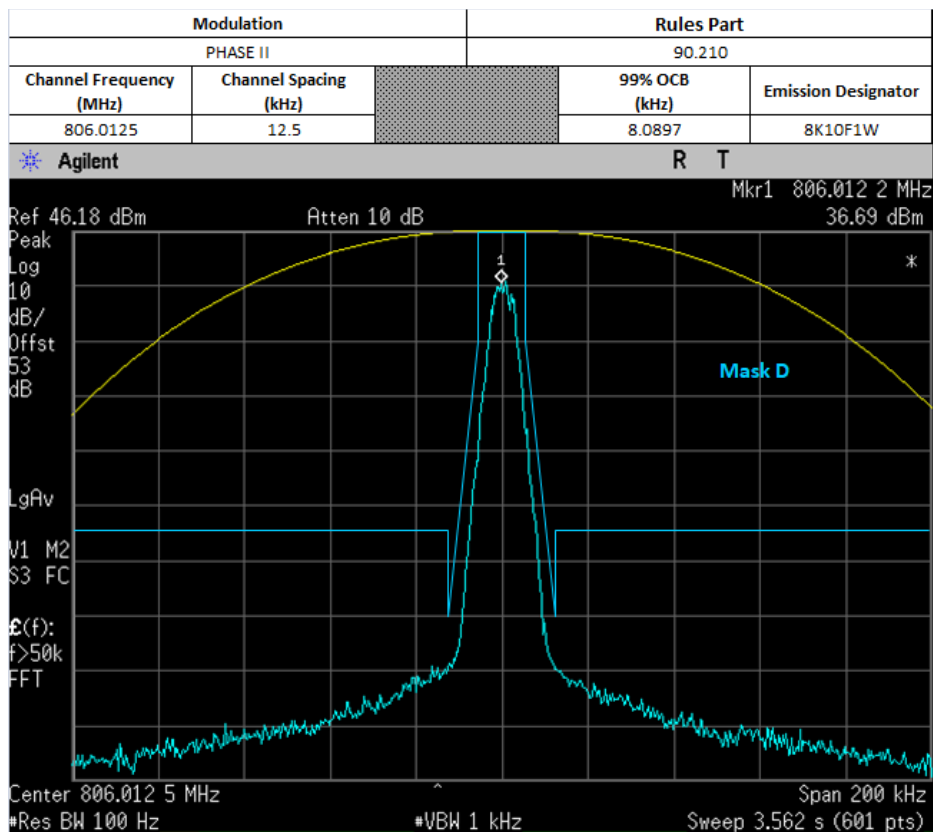


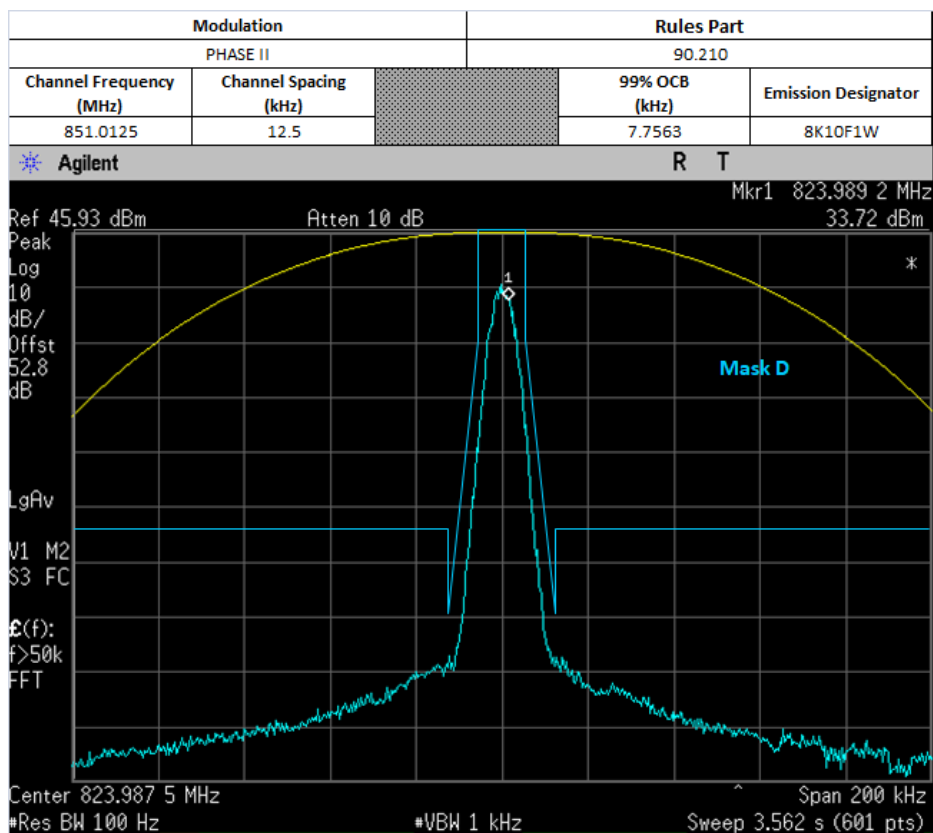
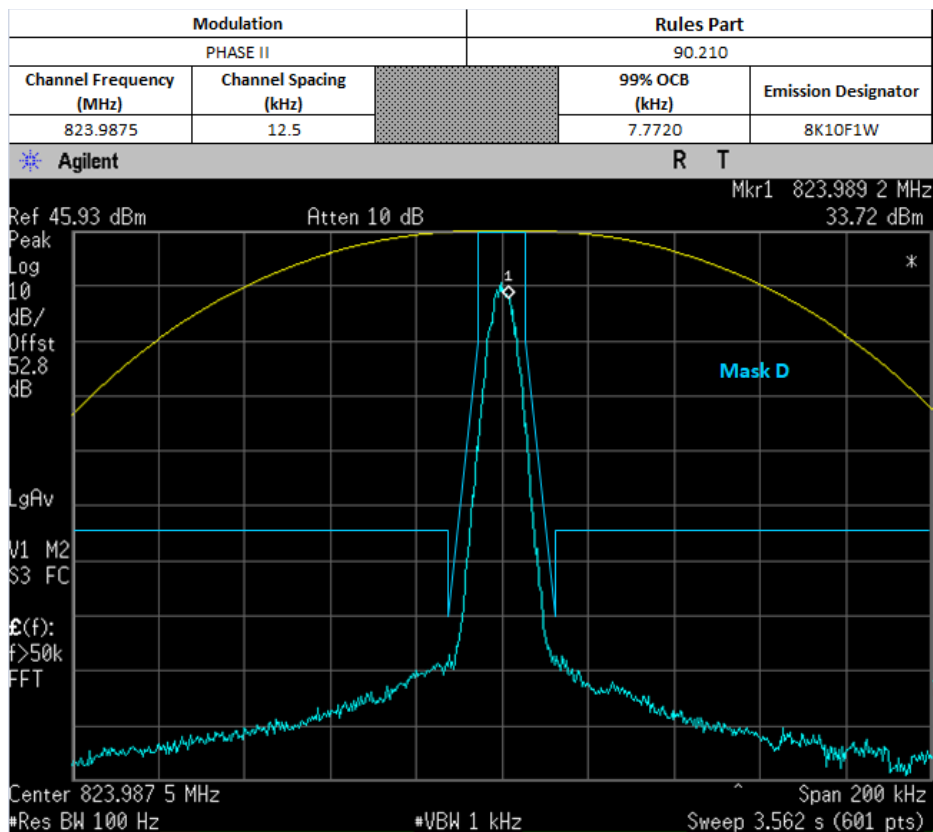


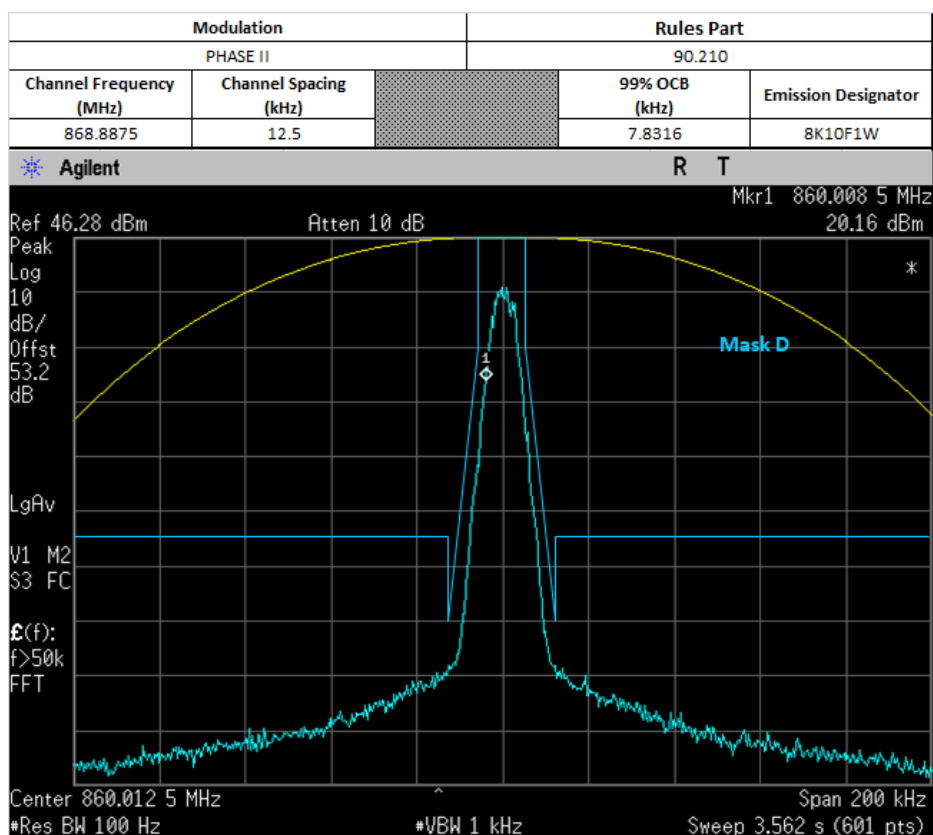
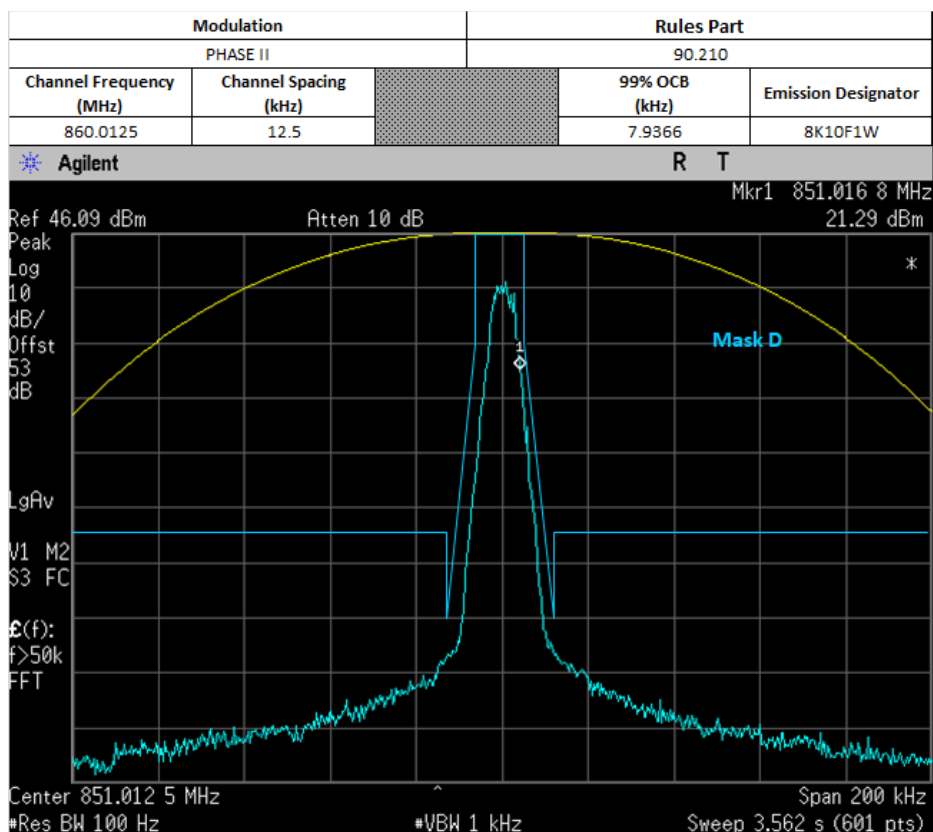




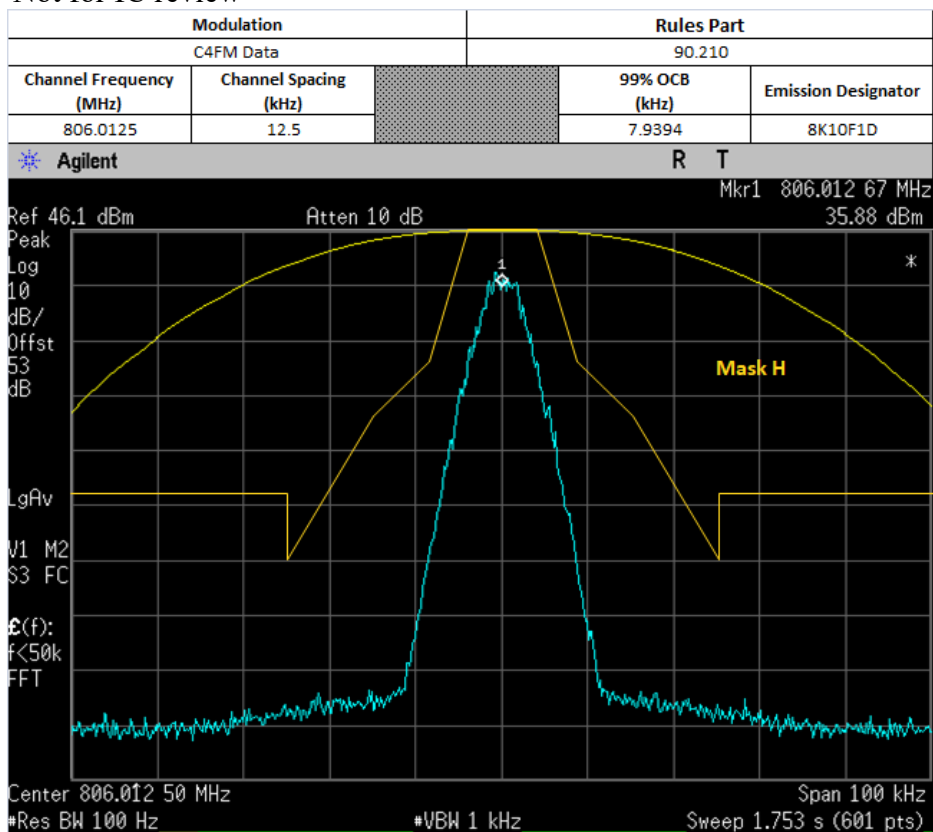




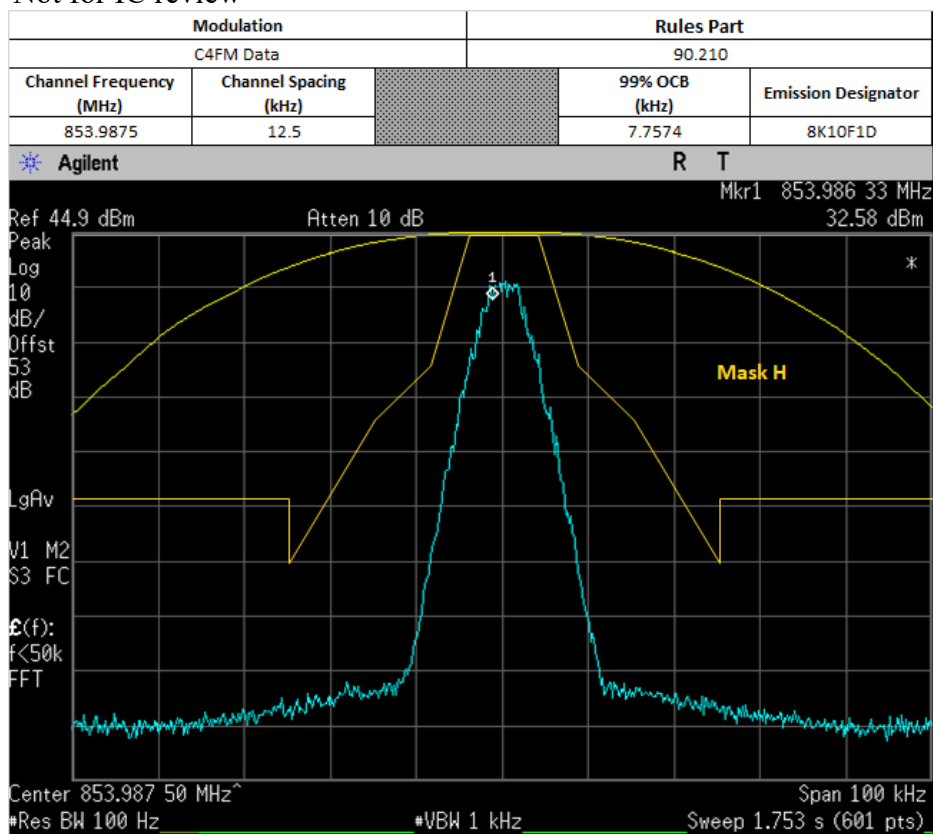




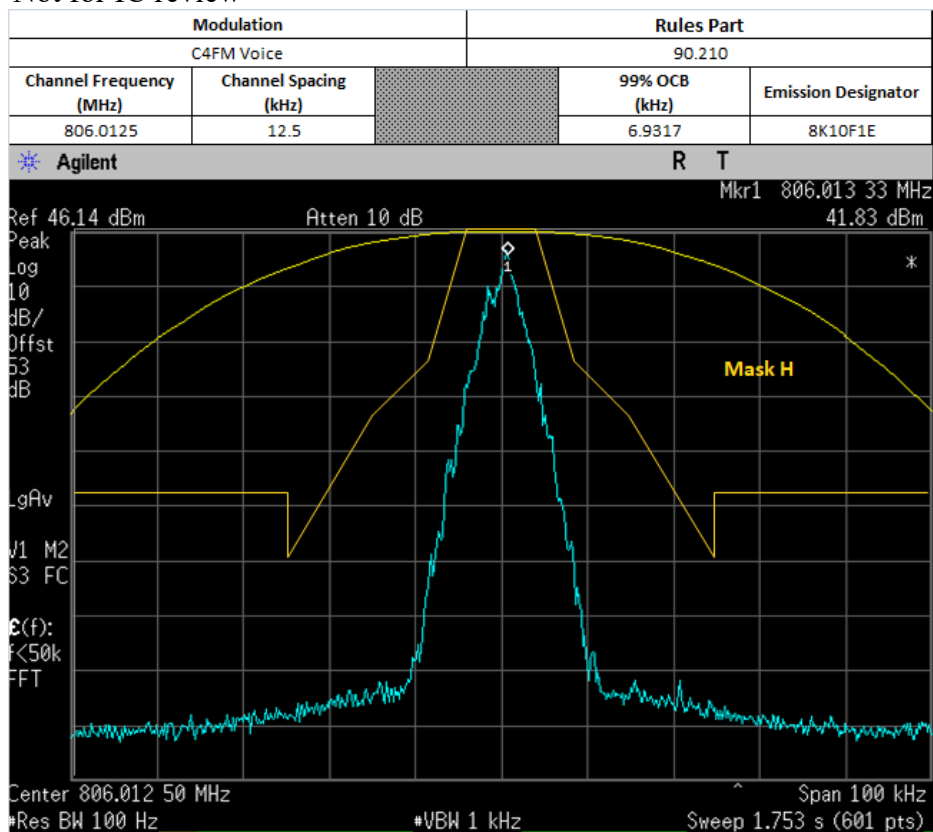
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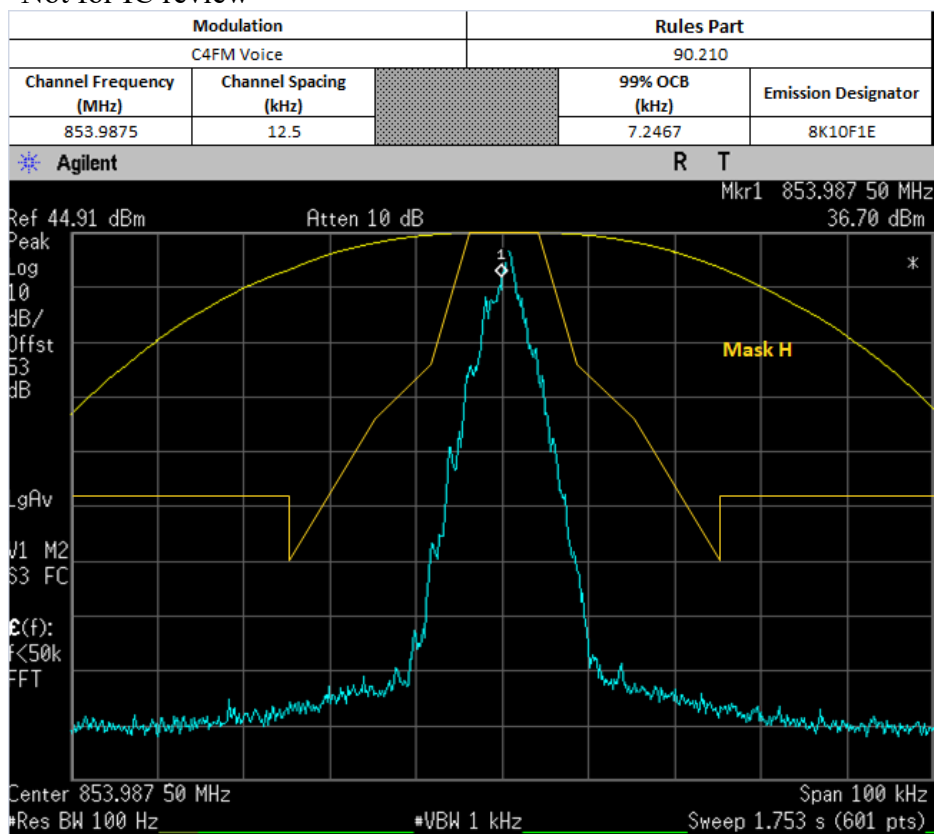
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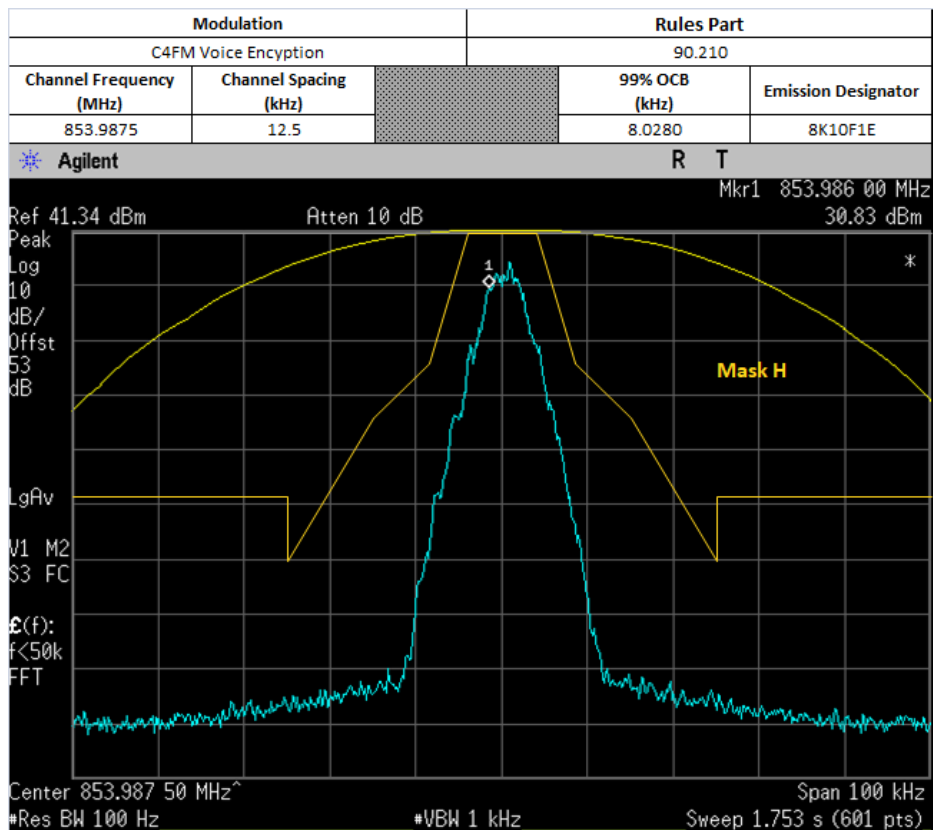
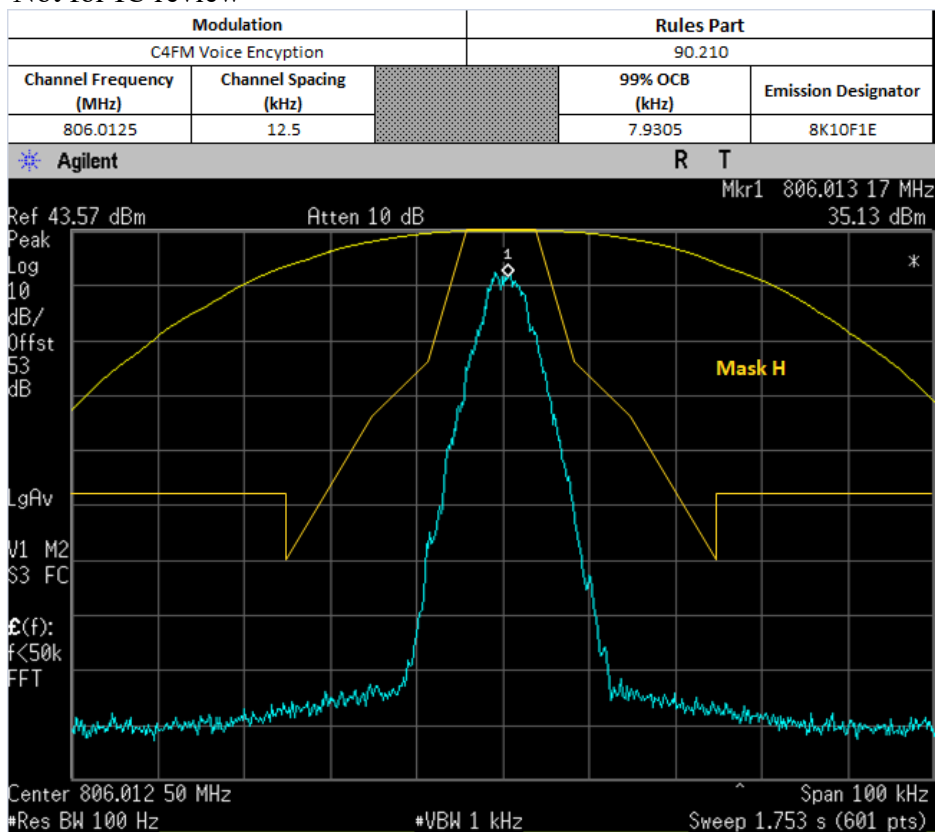
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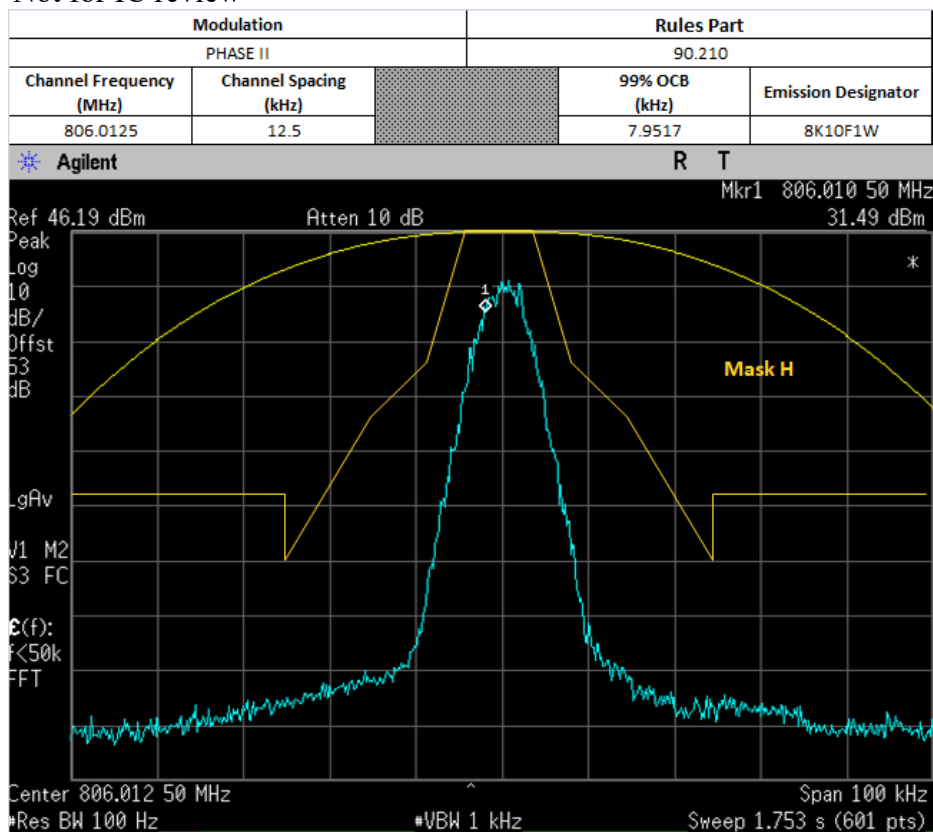
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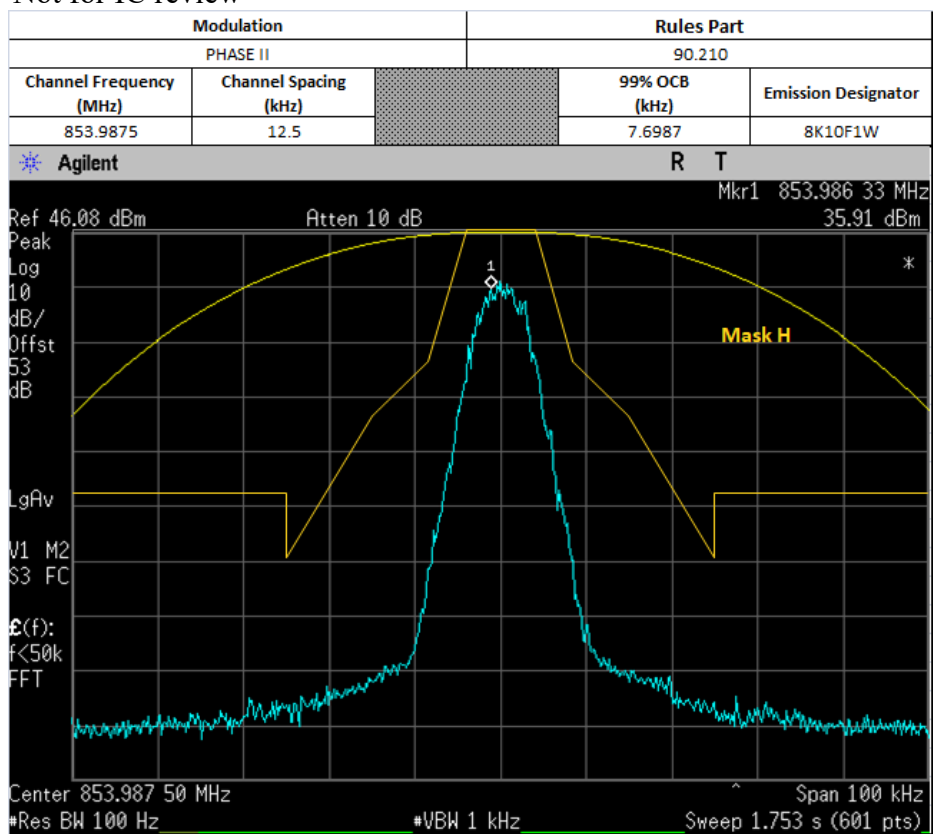
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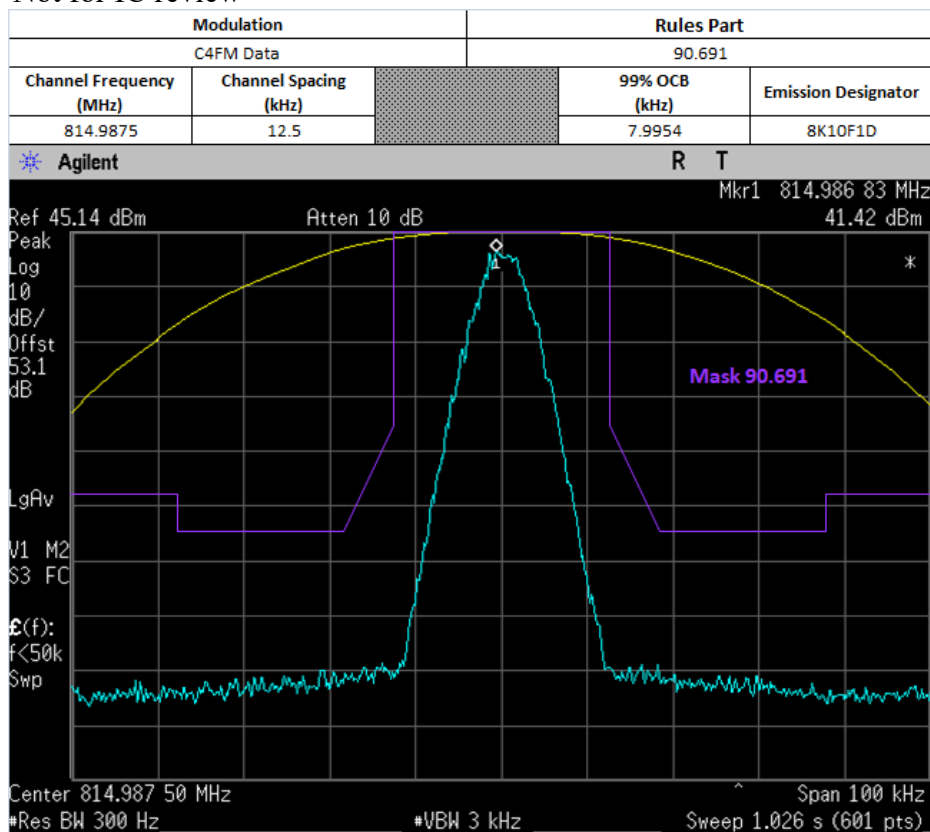
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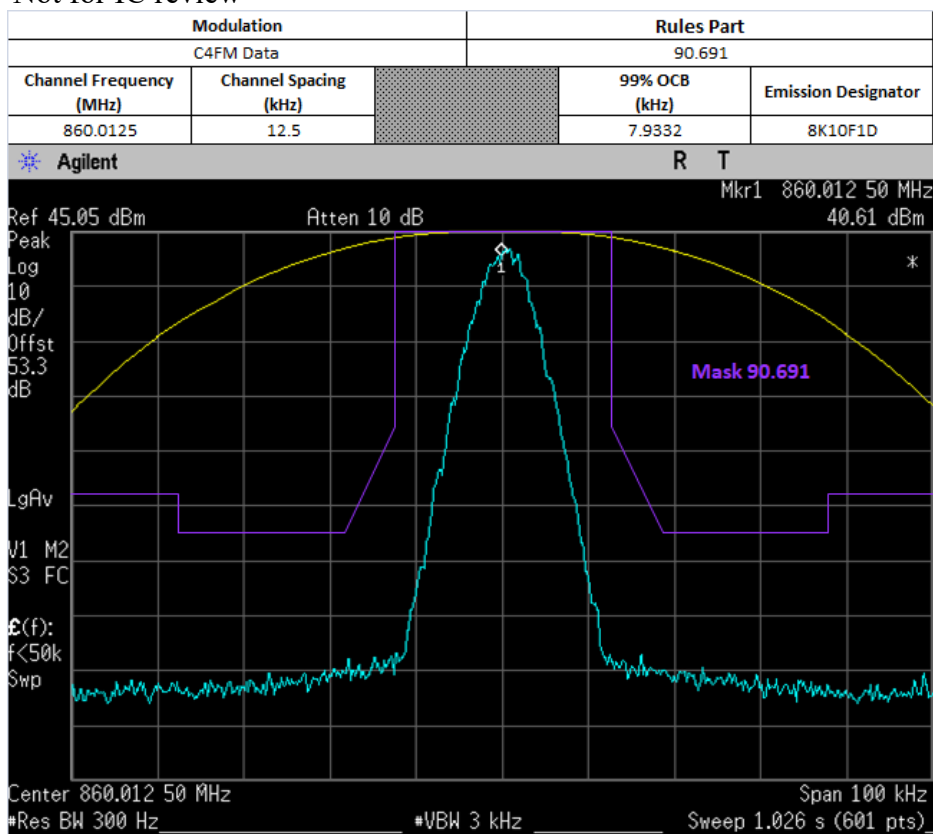
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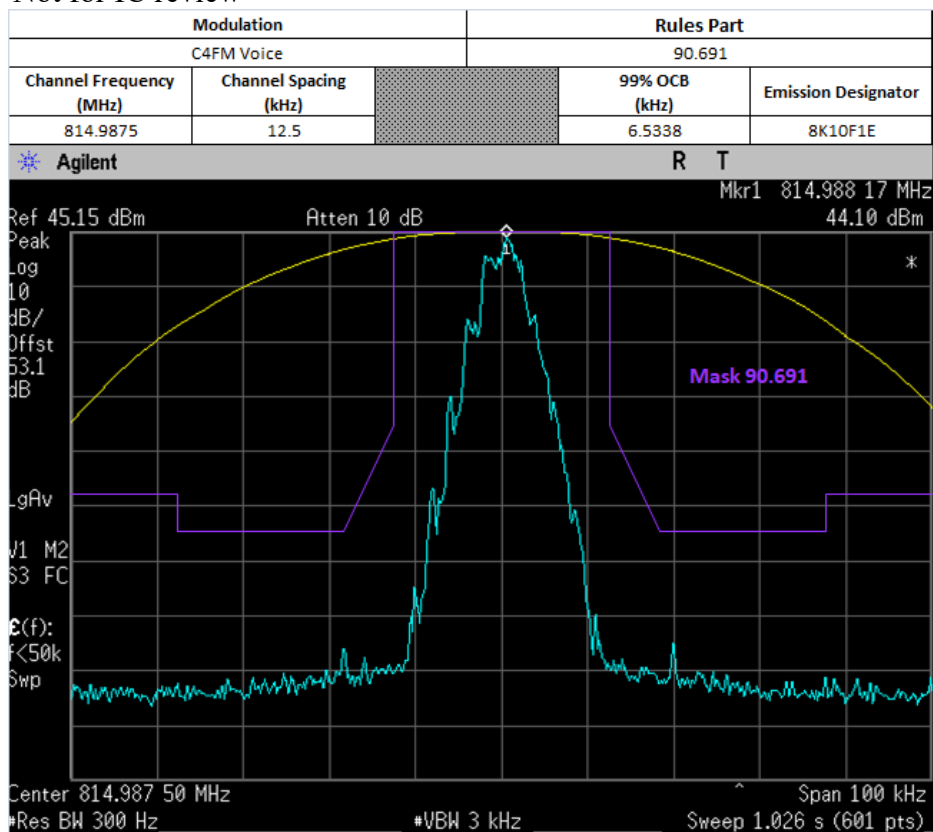
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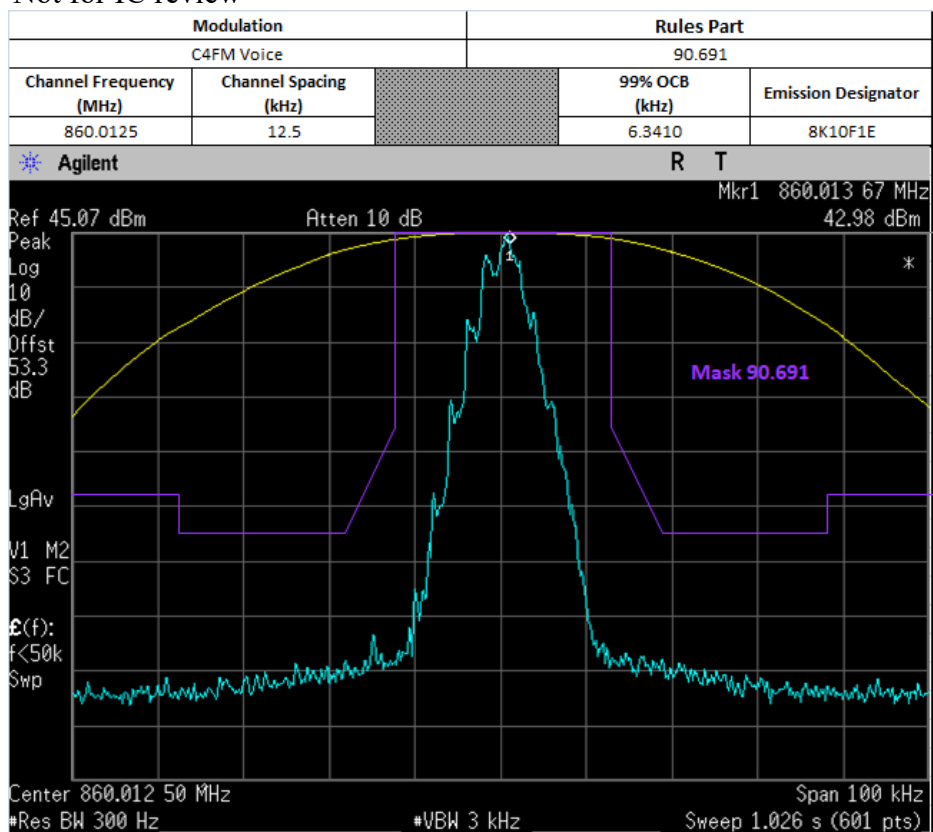
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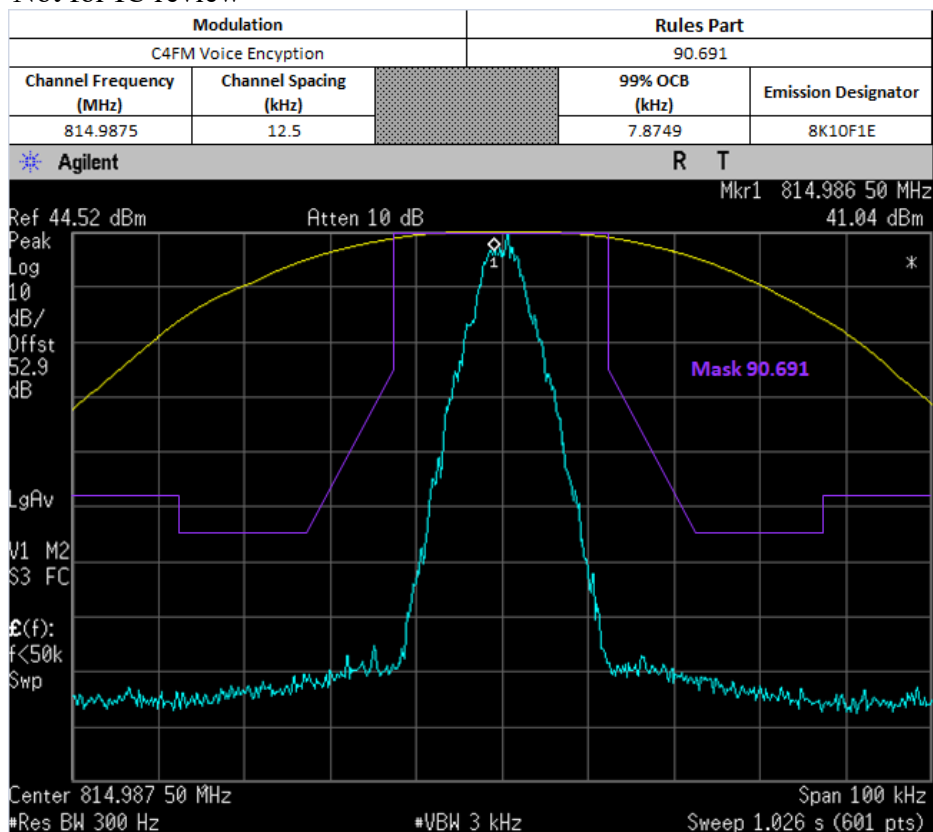
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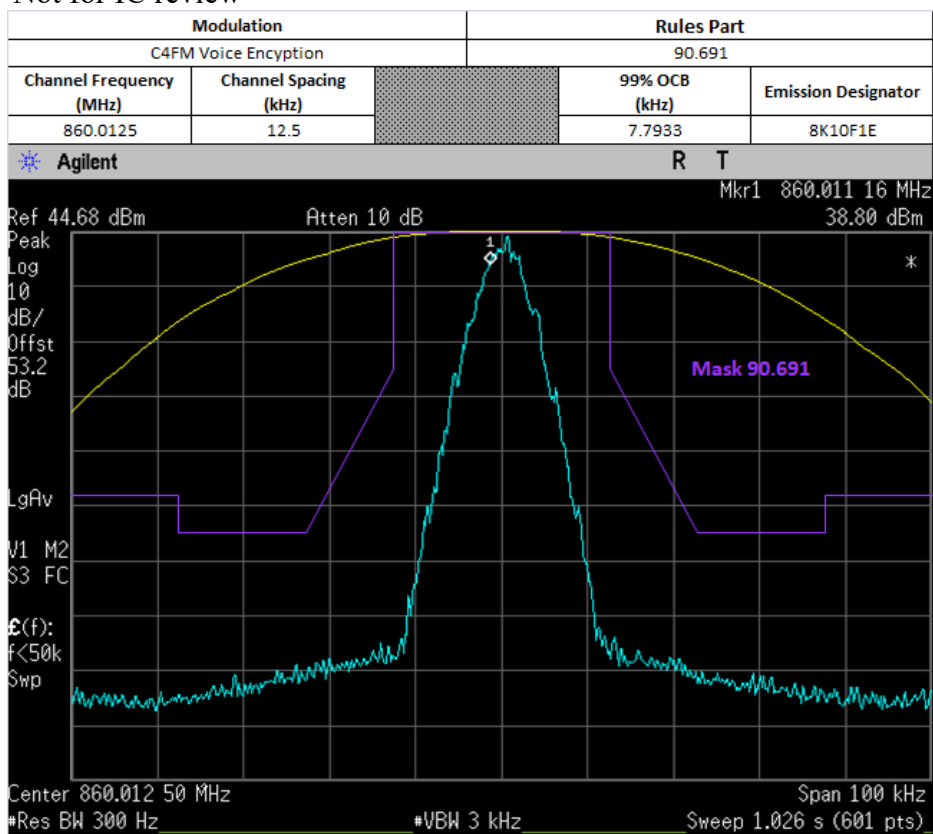
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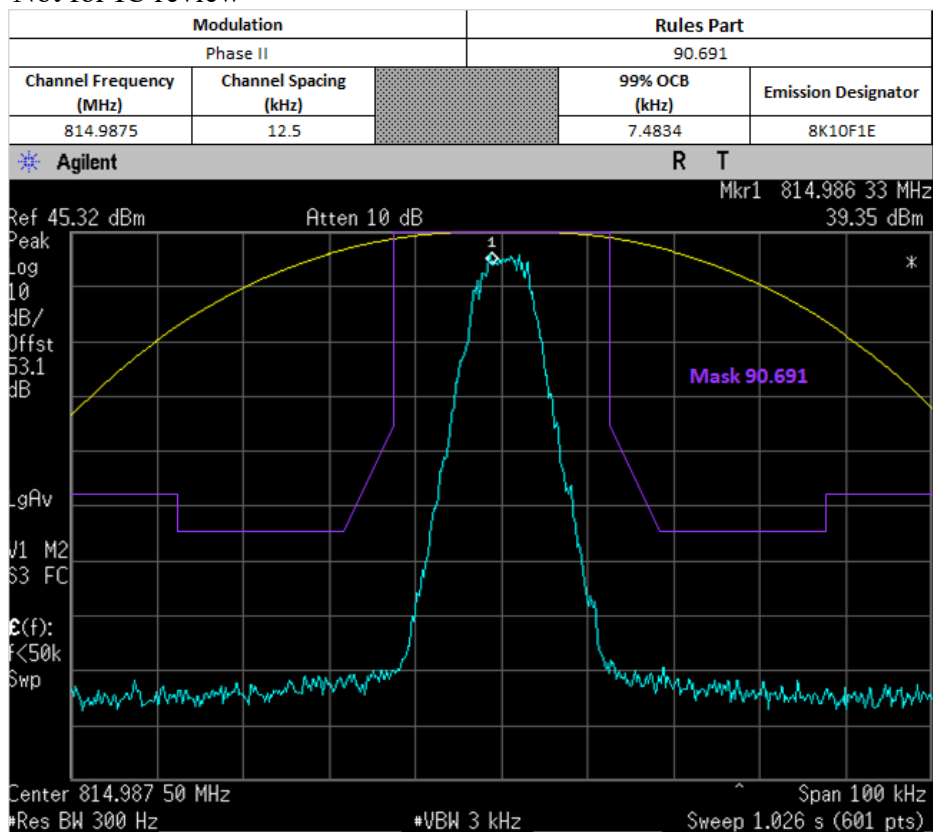
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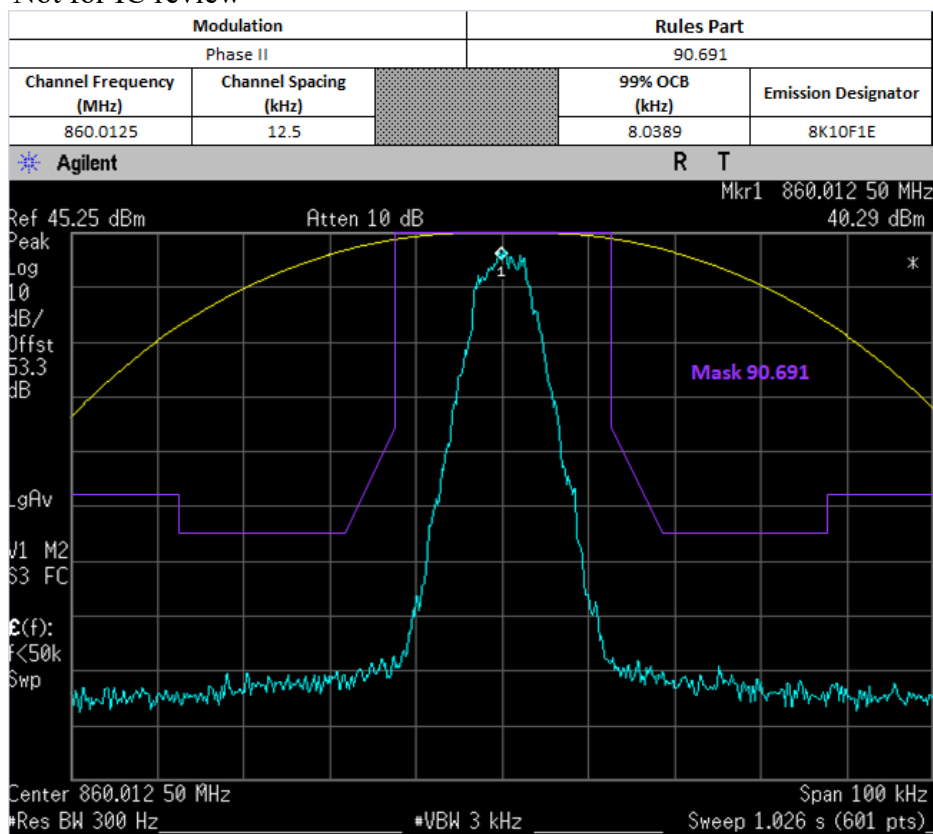
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Not for IC review



Not for IC review

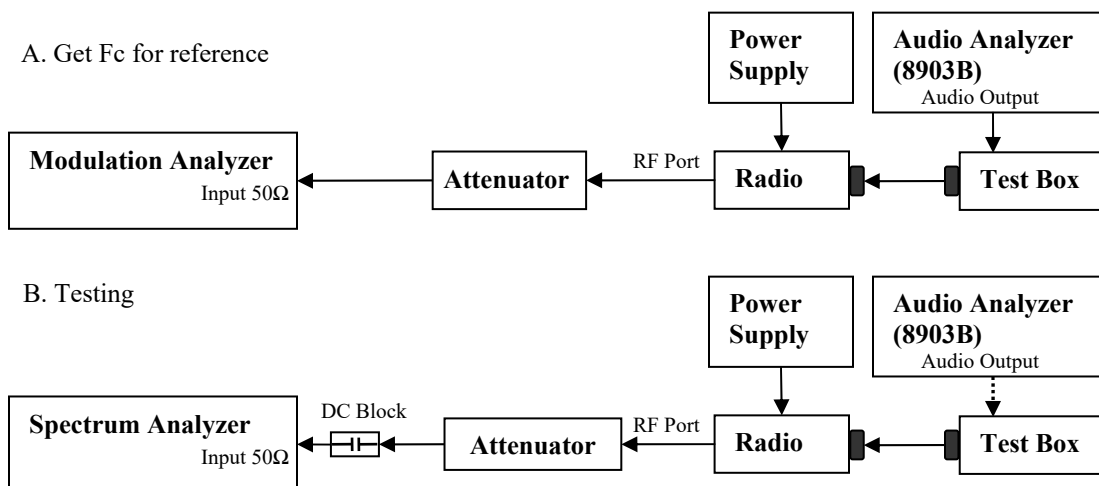


6.6.5. Test Limit

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.

6.7. Band Edge Conducted Spurious Emission (Part 22)

6.7.1. 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.

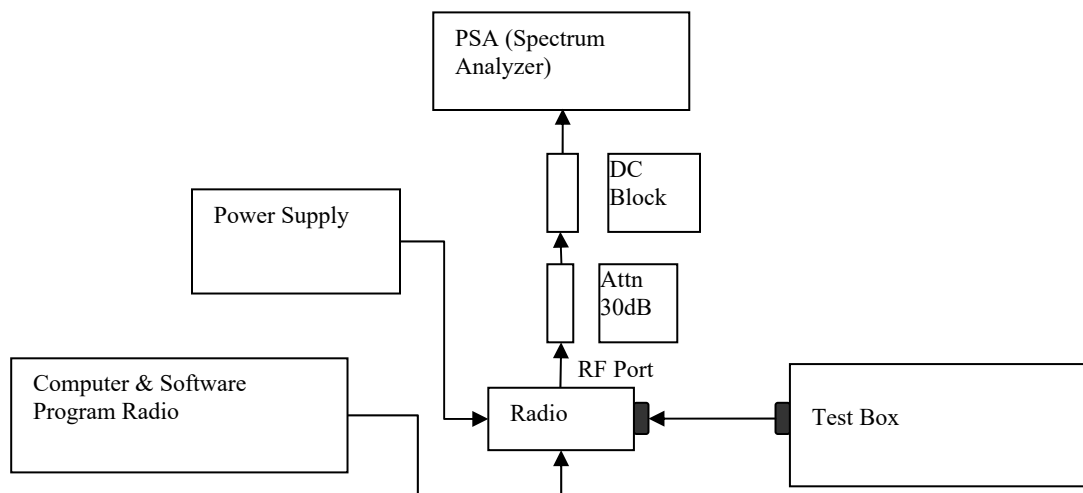
*Note:

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

6.7.2. Test Result (Analog)

Not Applicable

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)

Not Applicable

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.

6.8.3. 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.

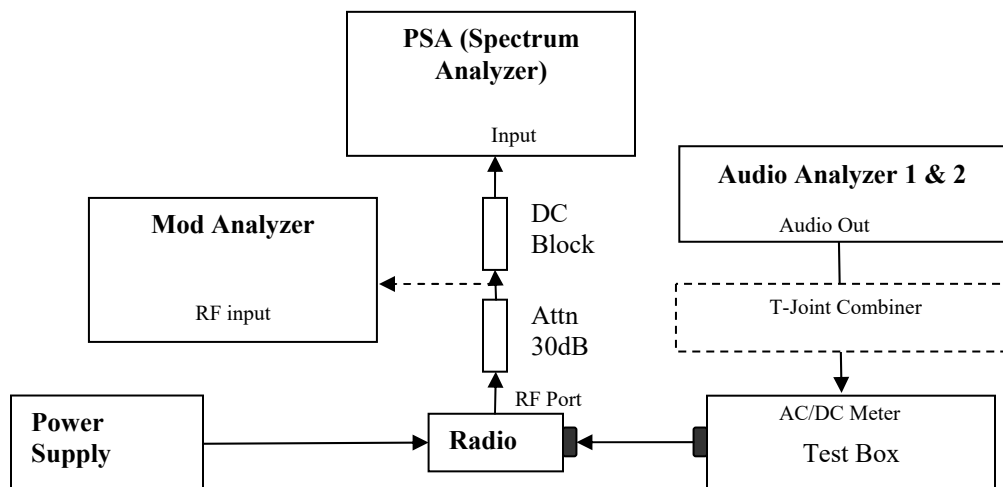
² During the time from the end of t_2 to the beginning of t_3 , the frequency difference must not exceed the limits specified in §90.213.

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)

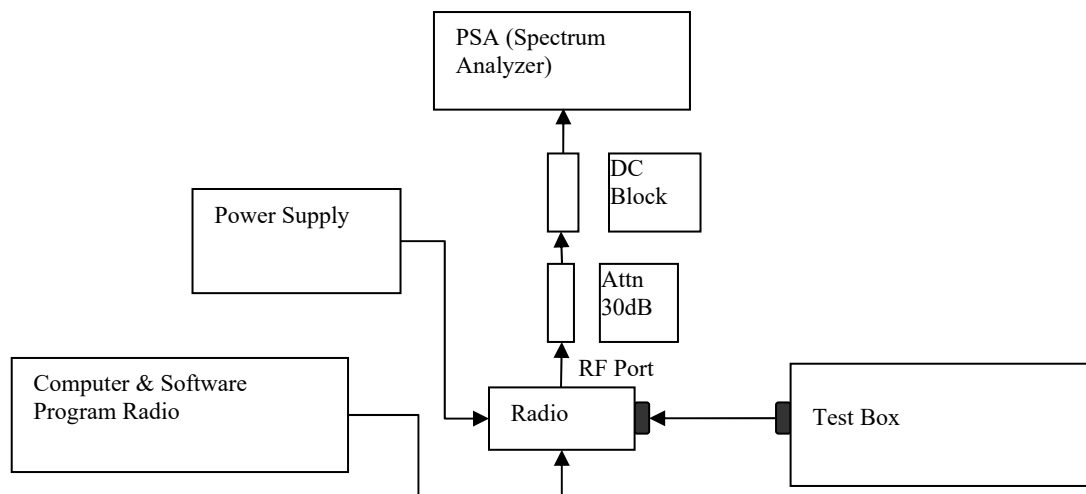


- 1) The DUT transmitter output port was connected to modulation analyzer.
- 2) Transmit the radio and turn on 1st audio analyzer with audio frequency 650Hz, 50% rated deviation, and record the amplitude value as AmpT1.
- 3) Turn off Audio analyzer 1 and turn on audio analyzer 2, set the audio frequency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

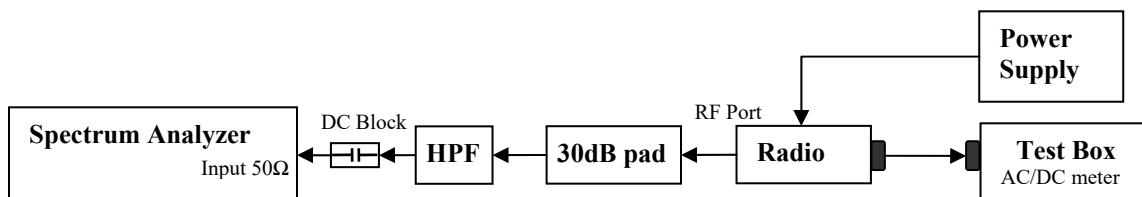
Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
9.375	6.25	-40
15.625	6.25	-60
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
350.00	100	-65
>400 kHz to 12 MHz	30 (s)	-80
12 MHz to paired receive band	30 (s)	-80
In the paired receive band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

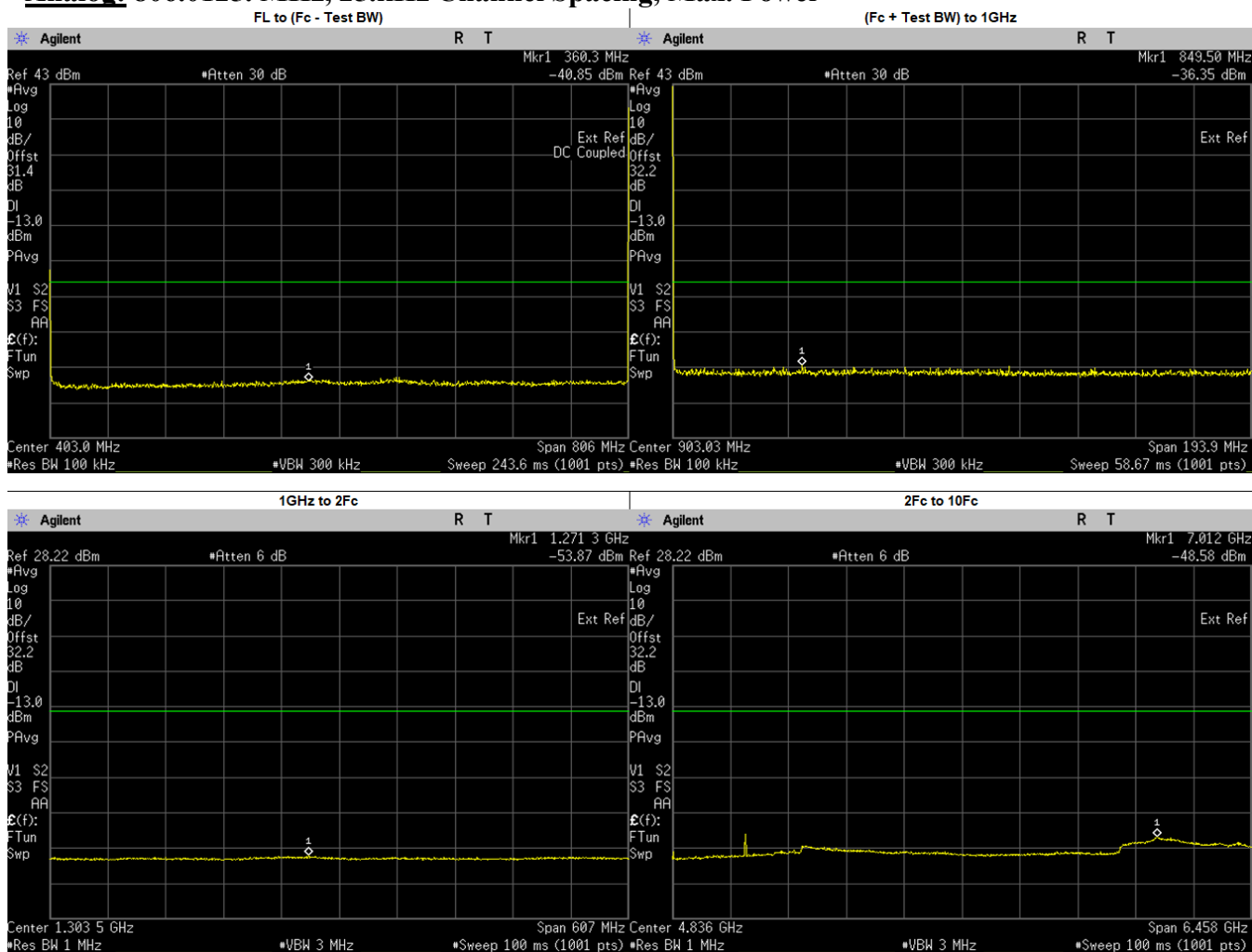
6.10.1. Test Setup



- 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.

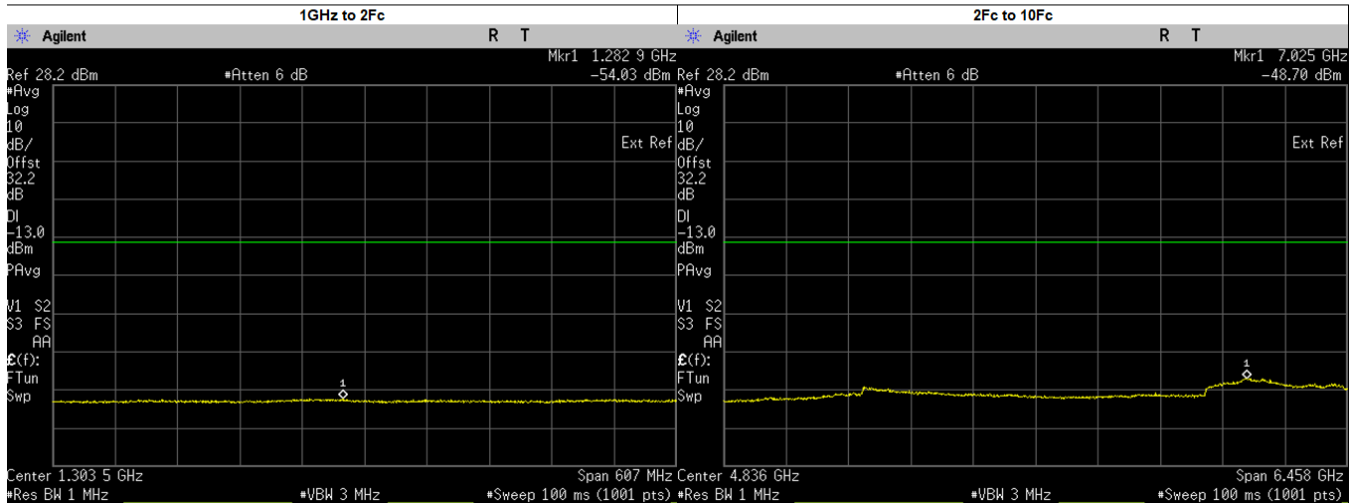
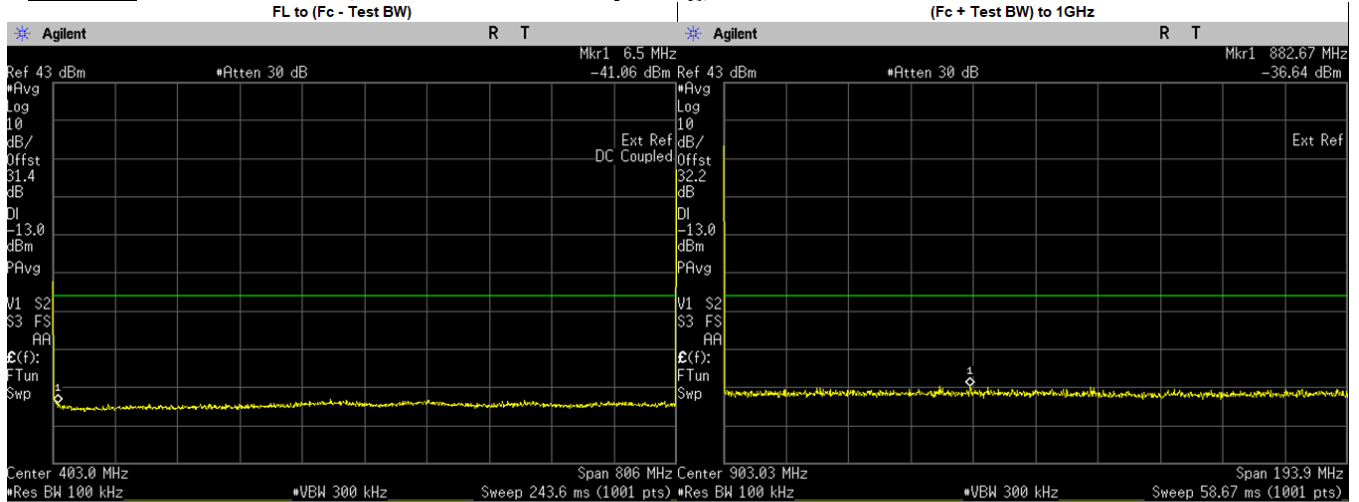
6.10.2. Test Result (Analog)

Analog: 806.0125. MHz, 25.kHz Channel Spacing, Max. Power



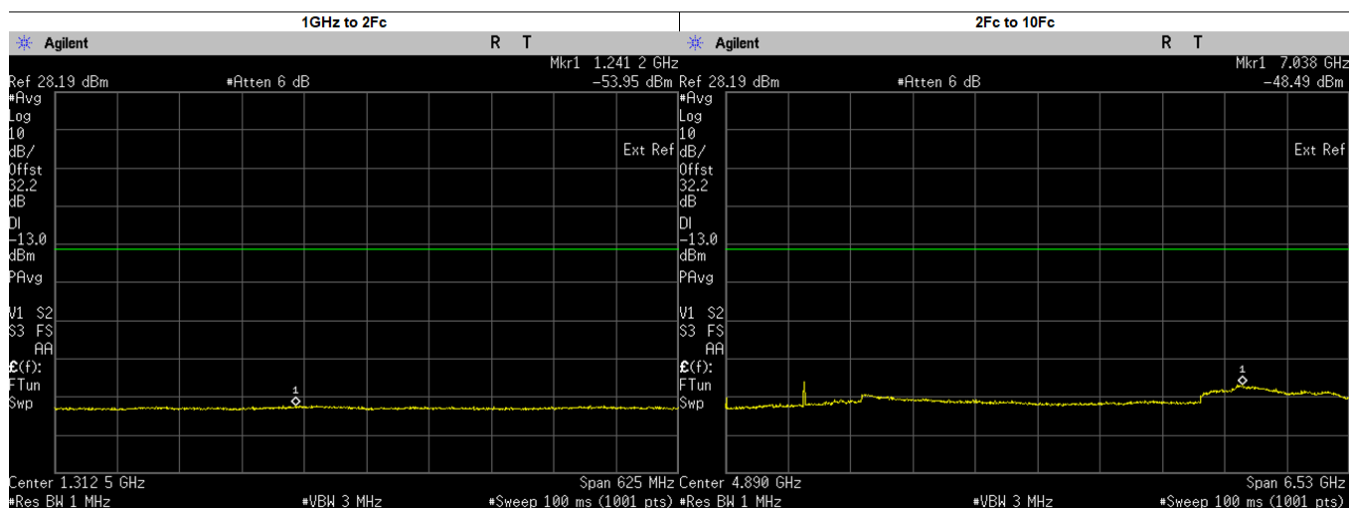
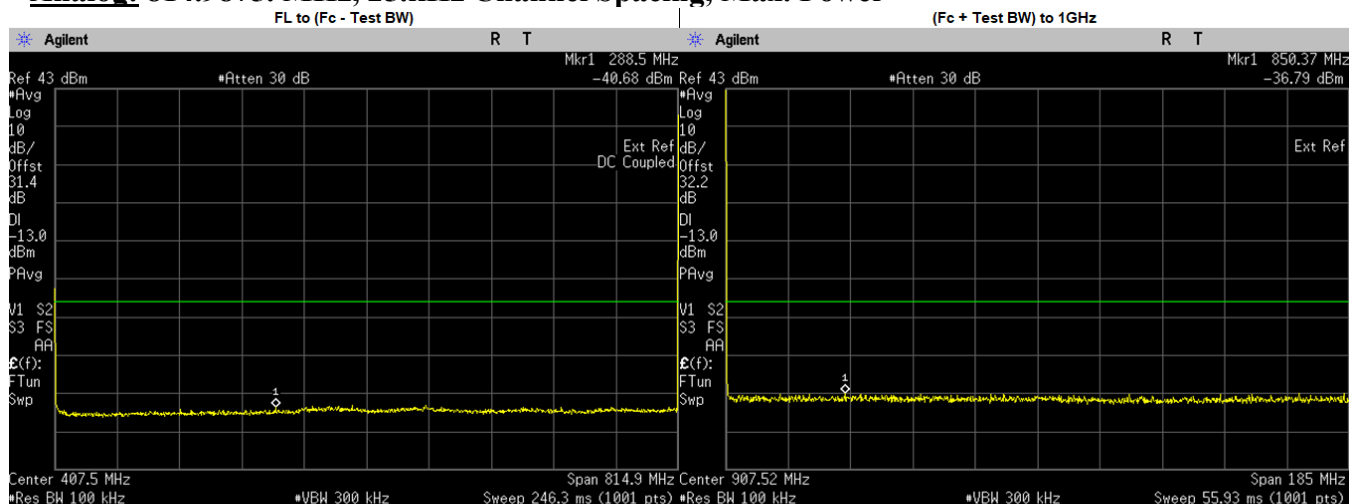
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	360.3000	-40.8500	-13.00	PASS
(Fc + Test BW) to 1GHz	849.5045	-36.3500	-13.00	PASS
1GHz to 2Fc	1271.3400	-53.8700	-13.00	PASS
2Fc to 10Fc	7012.4550	-48.5800	-13.00	PASS
	1612.0250	-53.2746	-13.00	PASS
	2418.0370	-49.5129	-13.00	PASS
	3224.0500	-51.7822	-13.00	PASS
	4030.0620	-53.0345	-13.00	PASS
	4836.0750	-53.4820	-13.00	PASS
	5642.0870	-53.2250	-13.00	PASS
	6448.1000	-53.3733	-13.00	PASS
	7254.1130	-49.6997	-13.00	PASS
	8060.1250	-51.3785	-13.00	PASS

Analog: 806.0125. MHz, 25.kHz Channel Spacing, Low. Power



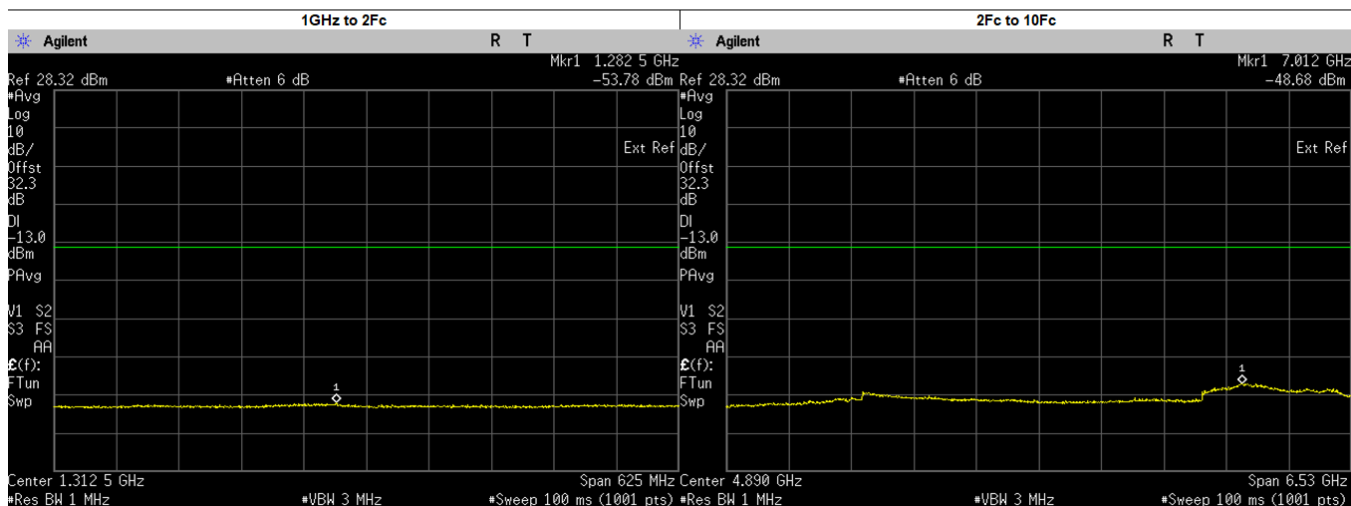
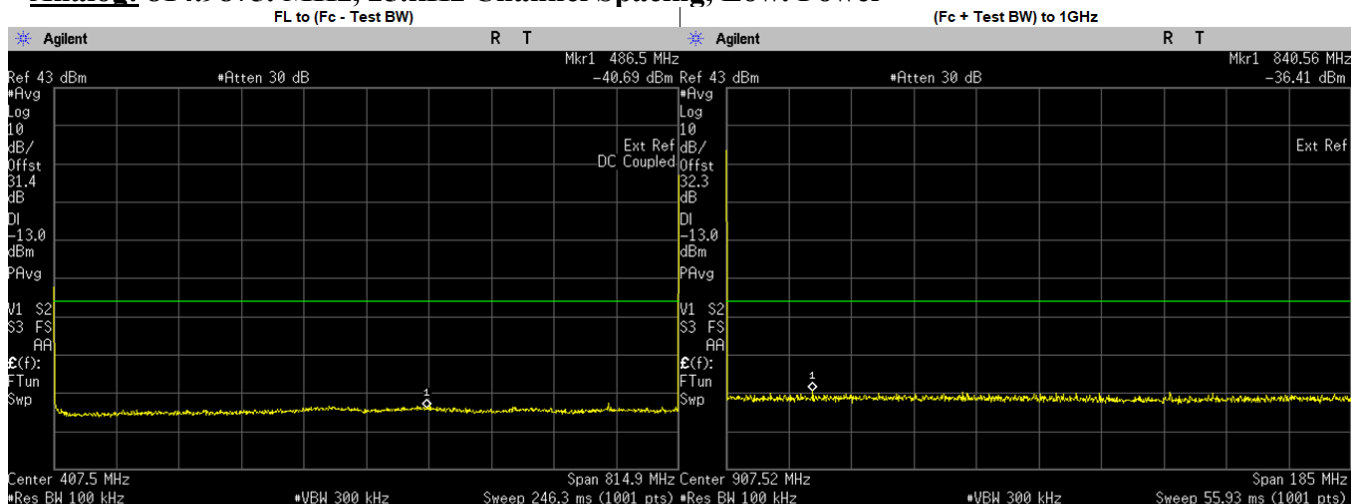
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	6.5000	-41.0560	-13.00	PASS
(Fc + Test BW) to 1GHz	882.6678	-36.6400	-13.00	PASS
1GHz to 2Fc	1282.8740	-54.0300	-13.00	PASS
2Fc to 10Fc	7025.3710	-48.7000	-13.00	PASS
	1612.0250	-54.6962	-13.00	PASS
	2418.0370	-54.0888	-13.00	PASS
	3224.0500	-51.8557	-13.00	PASS
	4030.0620	-53.1155	-13.00	PASS
	4836.0750	-53.5000	-13.00	PASS
	5642.0870	-53.6051	-13.00	PASS
	6448.1000	-53.4170	-13.00	PASS
	7254.1130	-49.7731	-13.00	PASS
	8060.1250	-51.5343	-13.00	PASS

Analog: 814.9875. MHz, 25.kHz Channel Spacing, Max. Power



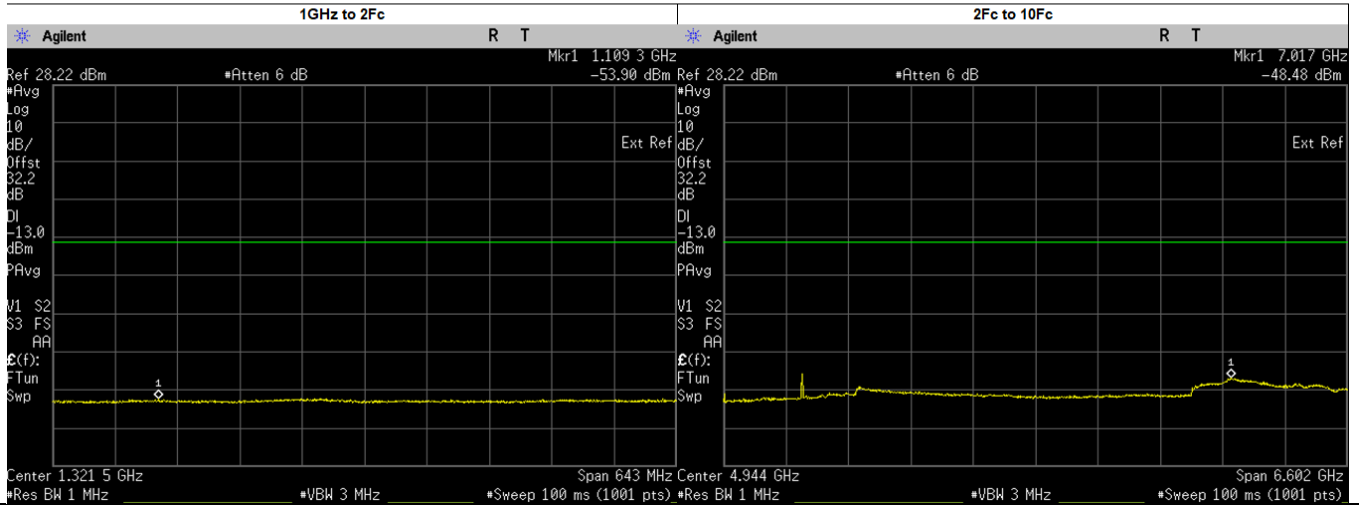
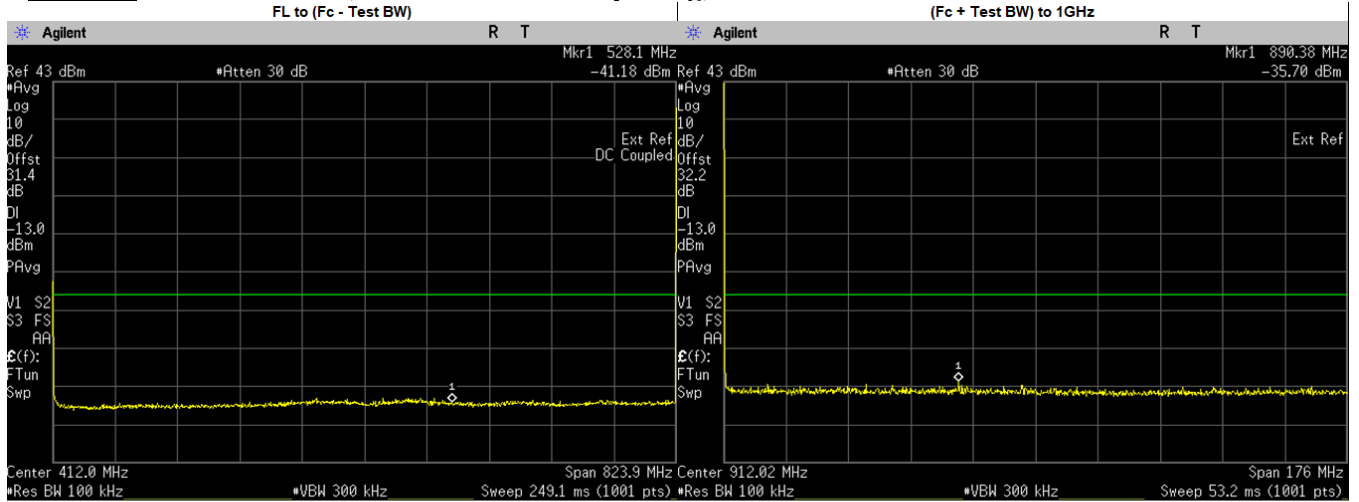
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	288.5000	-40.6780	-13.00	PASS
(Fc + Test BW) to 1GHz	850.3653	-36.7900	-13.00	PASS
1GHz to 2Fc	1241.2400	-53.9500	-13.00	PASS
2Fc to 10Fc	7038.2620	-48.4900	-13.00	PASS
	1629.9750	-52.6653	-13.00	PASS
	2444.9630	-49.5282	-13.00	PASS
	3259.9500	-51.9935	-13.00	PASS
	4074.9370	-52.9059	-13.00	PASS
	4889.9250	-53.7490	-13.00	PASS
	5704.9130	-53.4422	-13.00	PASS
	6519.9000	-53.4174	-13.00	PASS
	7334.8870	-50.2608	-13.00	PASS
	8149.8750	-51.9840	-13.00	PASS

Analog: 814.9875. MHz, 25.kHz Channel Spacing, Low. Power



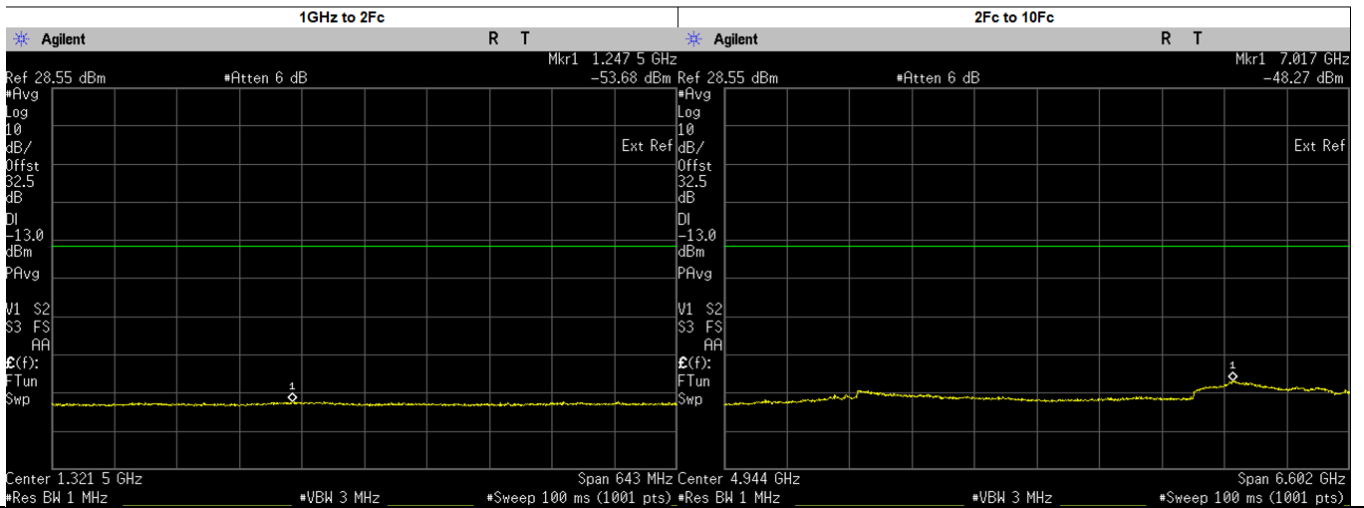
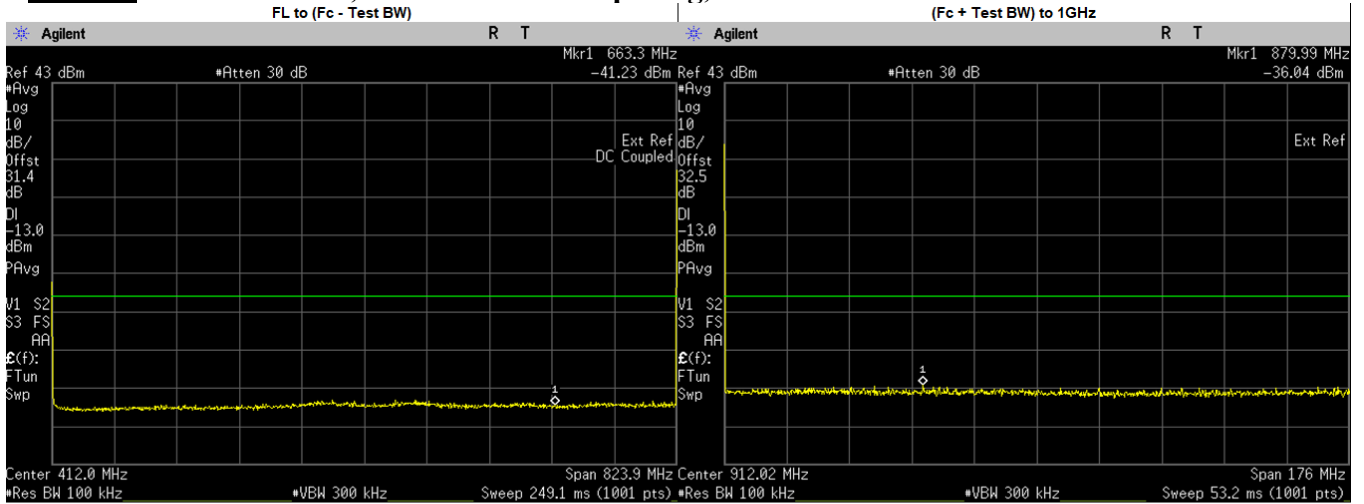
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	486.5000	-40.6920	-13.00	PASS
(Fc + Test BW) to 1GHz	840.5623	-36.4100	-13.00	PASS
1GHz to 2Fc	1282.4890	-53.7800	-13.00	PASS
2Fc to 10Fc	7012.1420	-48.6800	-13.00	PASS
	1629.9750	-54.5909	-13.00	PASS
	2444.9630	-53.6205	-13.00	PASS
	3259.9500	-51.9913	-13.00	PASS
	4074.9370	-53.1617	-13.00	PASS
	4889.9250	-53.6480	-13.00	PASS
	5704.9130	-53.3501	-13.00	PASS
	6519.9000	-53.2255	-13.00	PASS
	7334.8870	-50.1362	-13.00	PASS
	8149.8750	-51.7983	-13.00	PASS

Analog: 823.9875. MHz, 25.kHz Channel Spacing, Max. Power



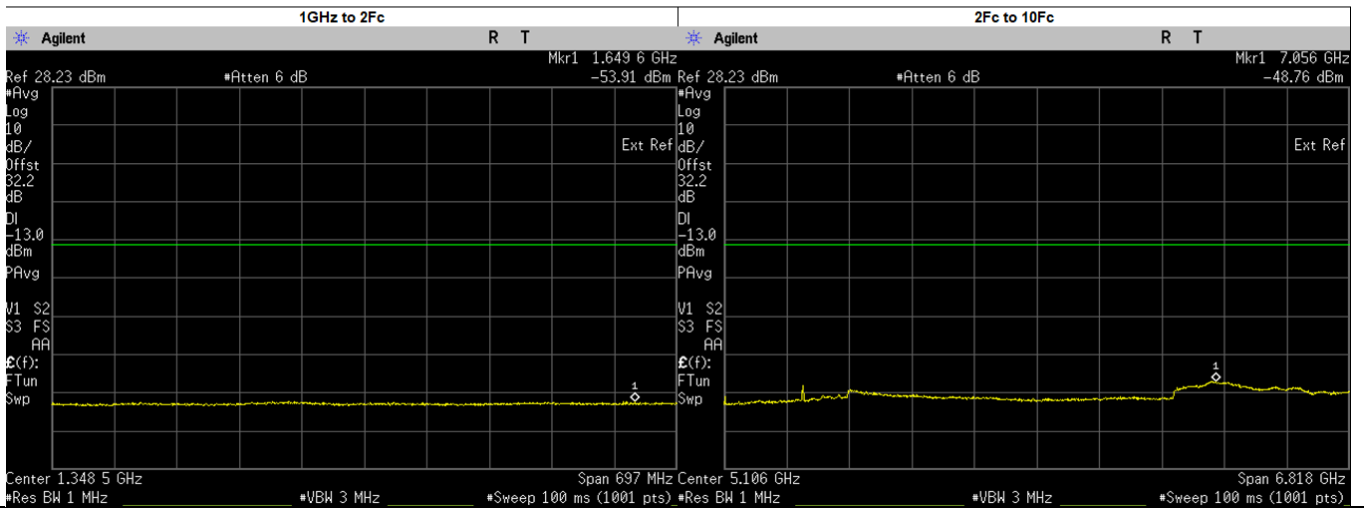
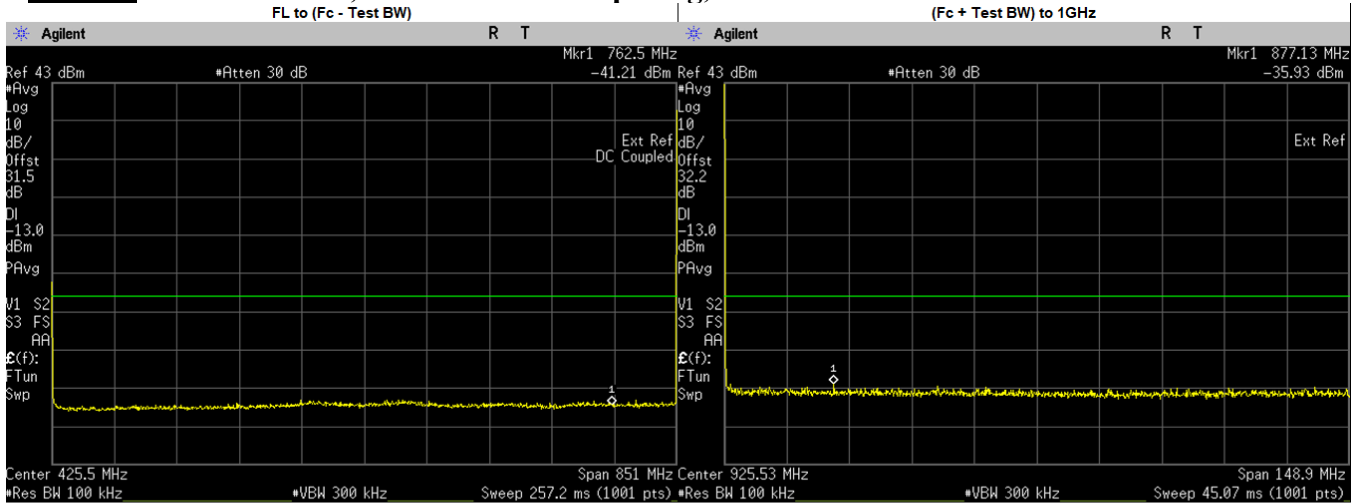
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	528.1000	-41.1800	-13.00	PASS
(Fc + Test BW) to 1GHz	890.3754	-35.7000	-13.00	PASS
1GHz to 2Fc	1109.3060	-53.9100	-13.00	PASS
2Fc to 10Fc	7016.9220	-48.4800	-13.00	PASS
	1647.9750	-53.2941	-13.00	PASS
	2471.9630	-49.3396	-13.00	PASS
	3295.9500	-51.7760	-13.00	PASS
	4119.9370	-53.0920	-13.00	PASS
	4943.9250	-53.6100	-13.00	PASS
	5767.9130	-53.4390	-13.00	PASS
	6591.9000	-53.1238	-13.00	PASS
	7415.8870	-50.5262	-13.00	PASS
	8239.8750	-51.5967	-13.00	PASS

Analog: 823.9875. MHz, 25.kHz Channel Spacing, Low. Power



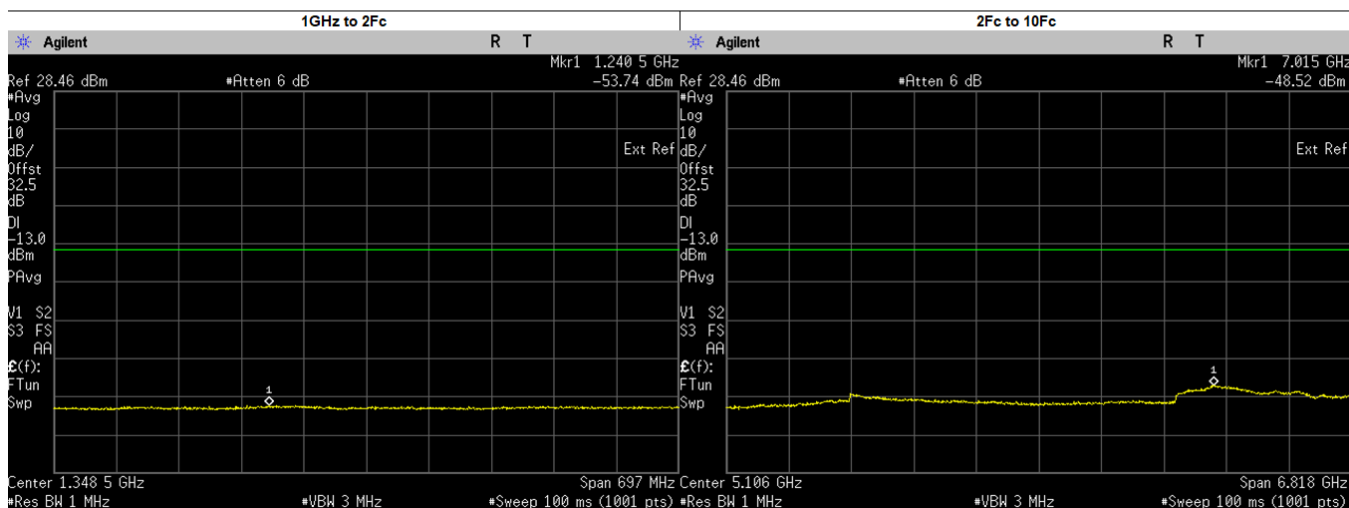
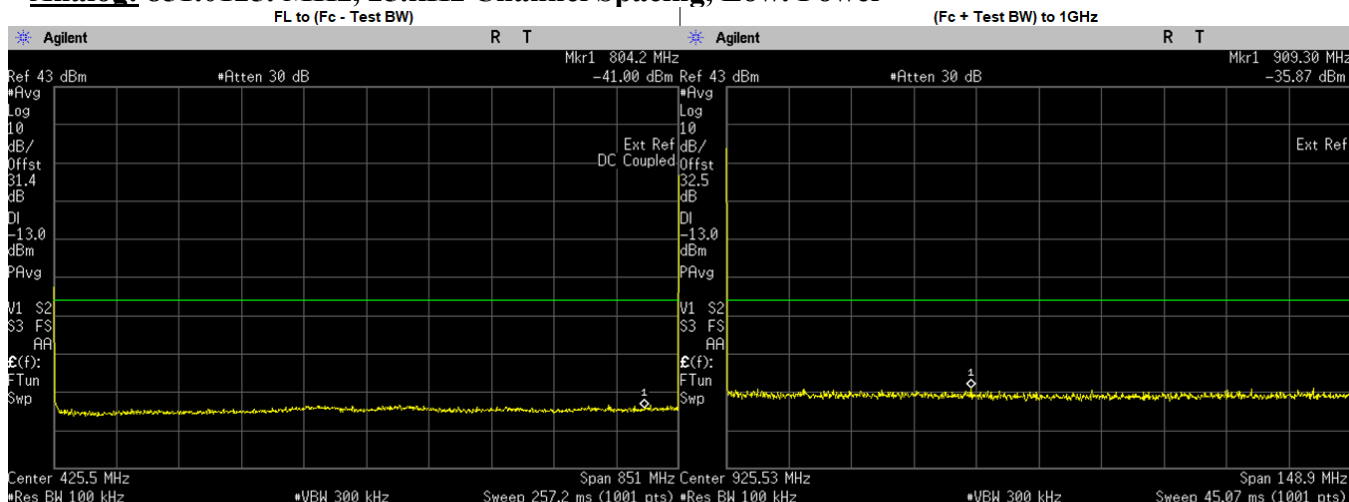
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	663.3000	-41.2270	-13.00	PASS
(Fc + Test BW) to 1GHz	879.9936	-36.0500	-13.00	PASS
1GHz to 2Fc	1247.5450	-53.6800	-13.00	PASS
2Fc to 10Fc	7016.9220	-48.2700	-13.00	PASS
	1647.9750	-54.5030	-13.00	PASS
	2471.9630	-53.3606	-13.00	PASS
	3295.9500	-51.4007	-13.00	PASS
	4119.9370	-52.6502	-13.00	PASS
	4943.9250	-53.2820	-13.00	PASS
	5767.9130	-53.1136	-13.00	PASS
	6591.9000	-52.8322	-13.00	PASS
	7415.8870	-50.0151	-13.00	PASS
	8239.8750	-51.5134	-13.00	PASS

Analog: 851.0125. MHz, 25.kHz Channel Spacing, Max. Power



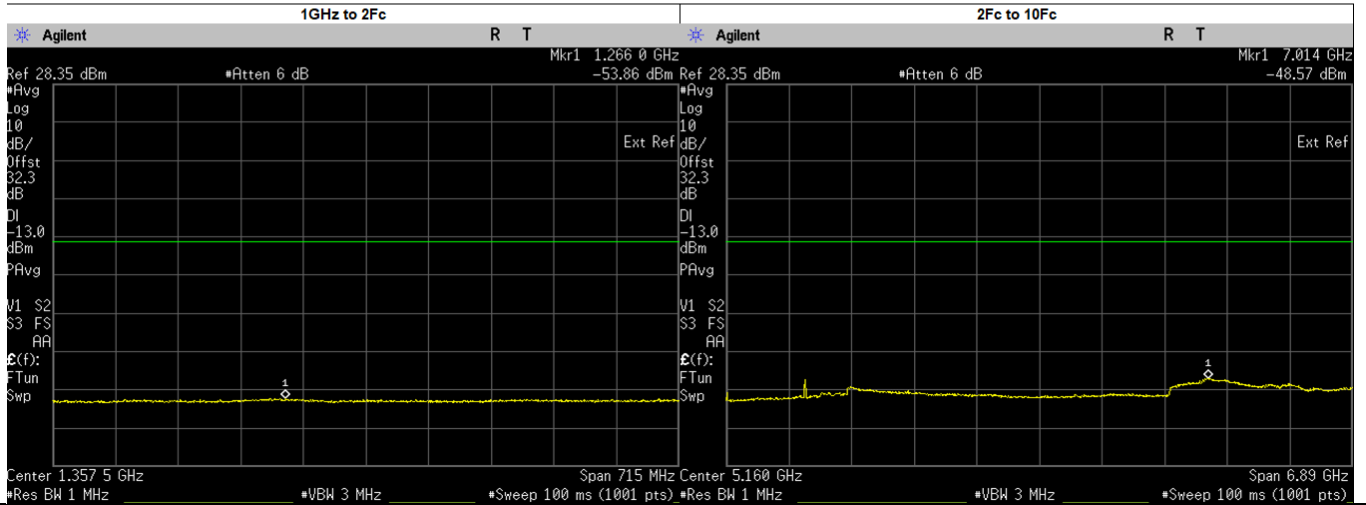
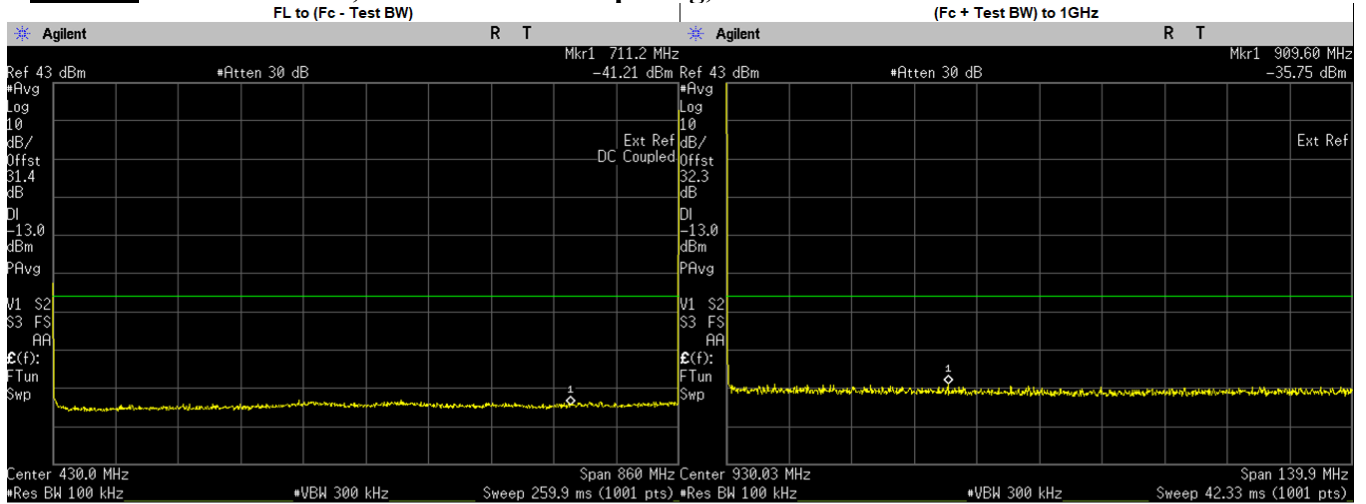
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	762.5000	-41.2080	-13.00	PASS
(Fc + Test BW) to 1GHz	877.1266	-35.9300	-13.00	PASS
1GHz to 2Fc	1649.6270	-53.9100	-13.00	PASS
2Fc to 10Fc	7056.0520	-48.7600	-13.00	PASS
	1702.0250	-53.3197	-13.00	PASS
	2553.0370	-50.8251	-13.00	PASS
	3404.0500	-52.2141	-13.00	PASS
	4255.0620	-52.8843	-13.00	PASS
	5106.0750	-53.8060	-13.00	PASS
	5957.0870	-52.9522	-13.00	PASS
	6808.1000	-50.1113	-13.00	PASS
	7659.1130	-50.5499	-13.00	PASS
	8510.1250	-51.5458	-13.00	PASS

Analog: 851.0125. MHz, 25.kHz Channel Spacing, Low. Power



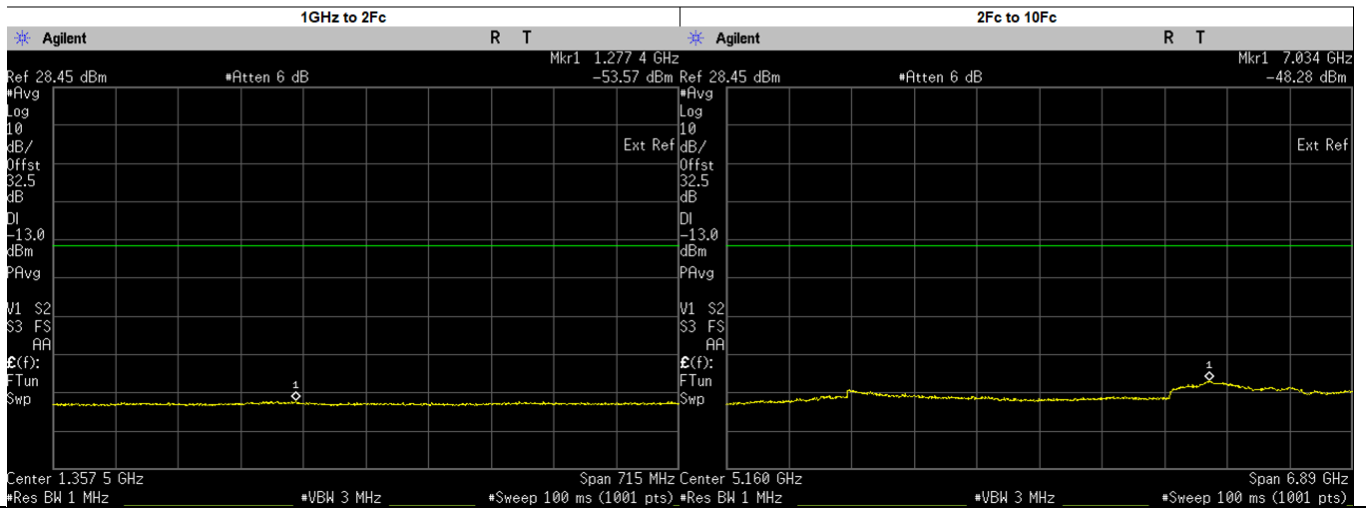
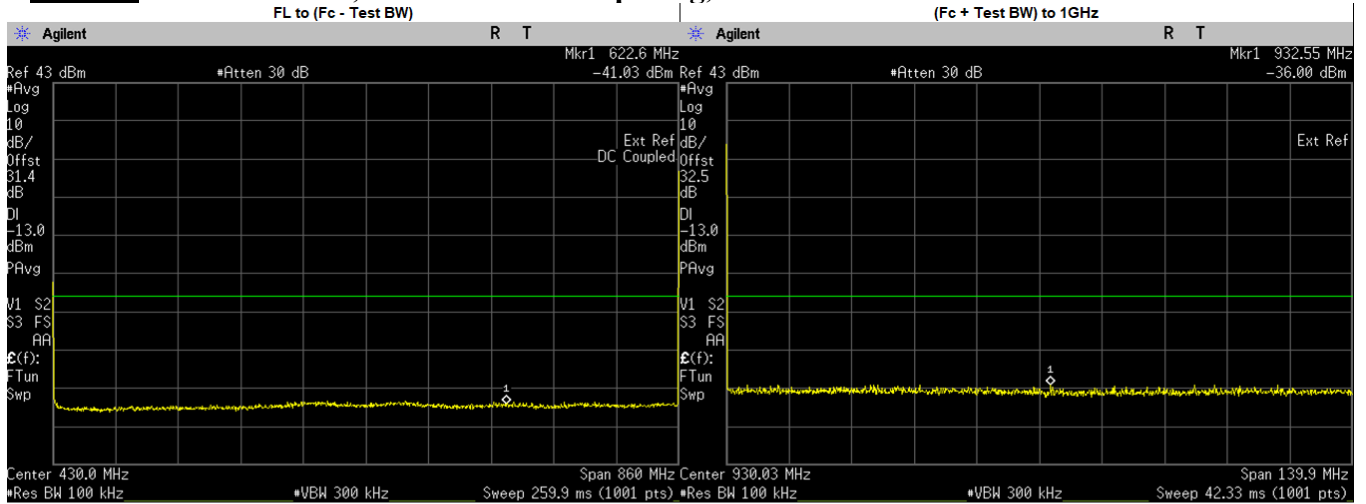
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	804.2000	-41.0010	-13.00	PASS
(Fc + Test BW) to 1GHz	909.2971	-35.8700	-13.00	PASS
1GHz to 2Fc	1240.4740	-53.7400	-13.00	PASS
2Fc to 10Fc	7015.1430	-48.5200	-13.00	PASS
	1702.0250	-54.3685	-13.00	PASS
	2553.0370	-53.4789	-13.00	PASS
	3404.0500	-52.0633	-13.00	PASS
	4255.0620	-52.8062	-13.00	PASS
	5106.0750	-53.7740	-13.00	PASS
	5957.0870	-52.9918	-13.00	PASS
	6808.1000	-49.9154	-13.00	PASS
	7659.1130	-50.2743	-13.00	PASS
	8510.1250	-51.1262	-13.00	PASS

Analog: 860.0125. MHz, 25.kHz Channel Spacing, Max. Power



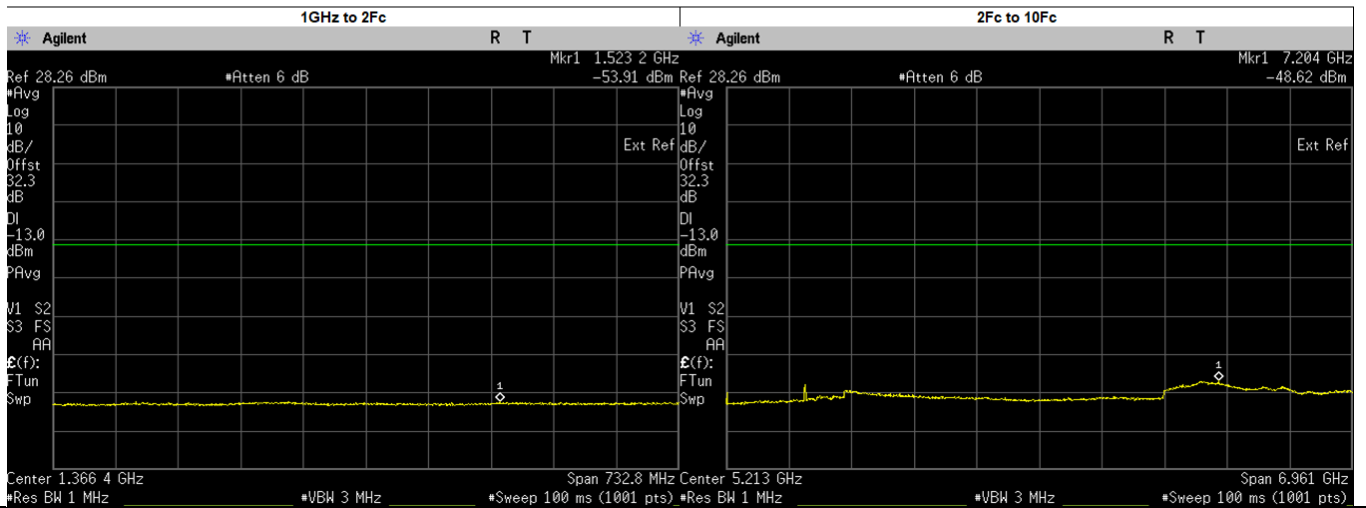
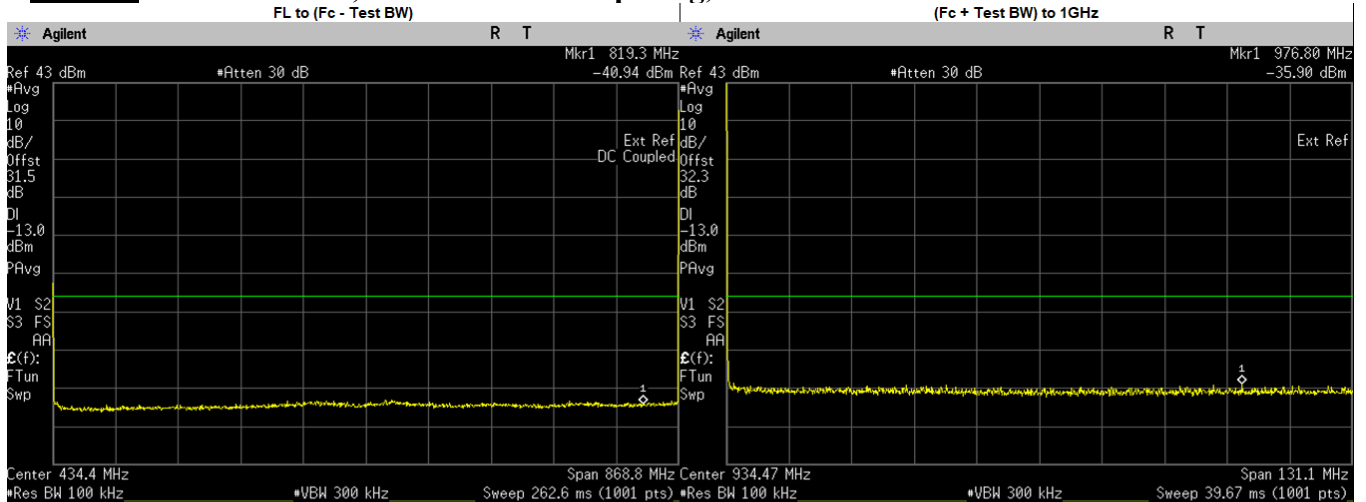
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	711.2000	-41.2130	-13.00	PASS
(Fc + Test BW) to 1GHz	909.6004	-35.7500	-13.00	PASS
1GHz to 2Fc	1265.9890	-53.8600	-13.00	PASS
2Fc to 10Fc	7013.5120	-48.5700	-13.00	PASS
	1720.0250	-52.9242	-13.00	PASS
	2580.0370	-49.9133	-13.00	PASS
	3440.0500	-52.1865	-13.00	PASS
	4300.0620	-52.9886	-13.00	PASS
	5160.0750	-53.6630	-13.00	PASS
	6020.0870	-53.0344	-13.00	PASS
	6880.1000	-49.9503	-13.00	PASS
	7740.1130	-50.4691	-13.00	PASS
	8600.1250	-51.1815	-13.00	PASS

Analog: 860.0125. MHz, 25.kHz Channel Spacing, Low. Power



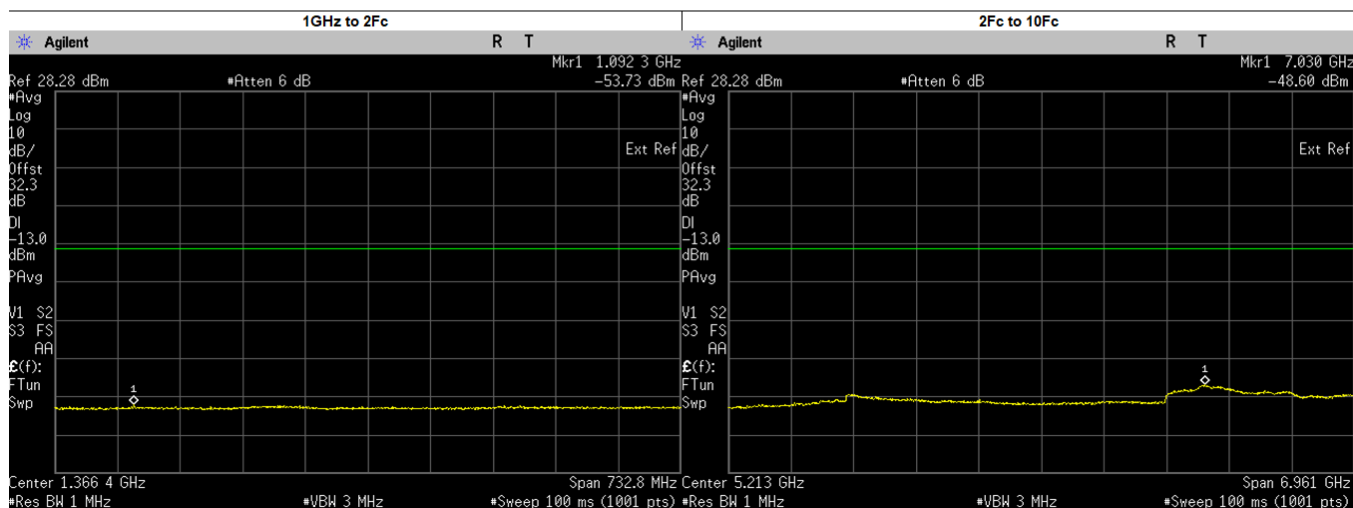
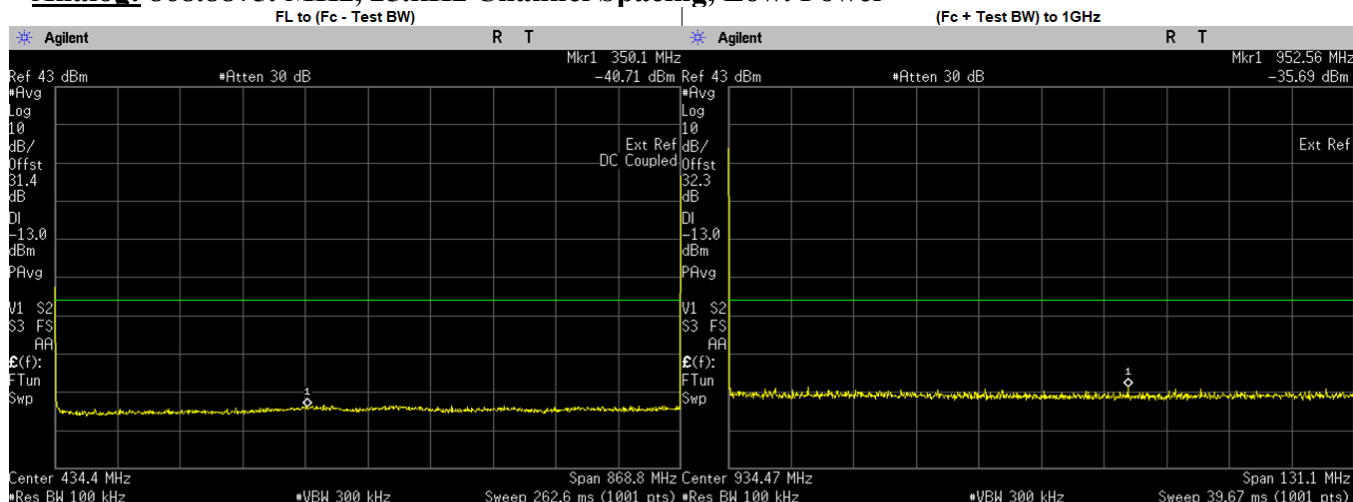
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	622.6000	-41.0250	-13.00	PASS
(Fc + Test BW) to 1GHz	932.5501	-36.0000	-13.00	PASS
1GHz to 2Fc	1277.4300	-53.5700	-13.00	PASS
2Fc to 10Fc	7034.1820	-48.2700	-13.00	PASS
	1720.0250	-54.4301	-13.00	PASS
	2580.0370	-53.4866	-13.00	PASS
	3440.0500	-52.1955	-13.00	PASS
	4300.0620	-52.8526	-13.00	PASS
	5160.0750	-53.5390	-13.00	PASS
	6020.0870	-53.0049	-13.00	PASS
	6880.1000	-49.8206	-13.00	PASS
	7740.1130	-50.4275	-13.00	PASS
	8600.1250	-51.1477	-13.00	PASS

Analog: 868.8875. MHz, 25.kHz Channel Spacing, Max. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	819.3000	-40.94	-13	PASS
(Fc + Test BW) to 1GHz	976.8019	-35.90	-13	PASS
1GHz to 2Fc	1523.2010	-53.91	-13	PASS
2Fc to 10Fc	7204.2000	-48.62	-13	PASS
	1737.7750	-52.43	-13	PASS
	2606.6620	-50.21	-13	PASS
	3475.5500	-52.35	-13	PASS
	4344.4370	-52.99	-13	PASS
	5213.3250	-53.44	-13	PASS
	6082.2120	-53.11	-13	PASS
	6951.1000	-49.50	-13	PASS
	7819.9880	-51.03	-13	PASS
	8688.8750	-51.40	-13	PASS

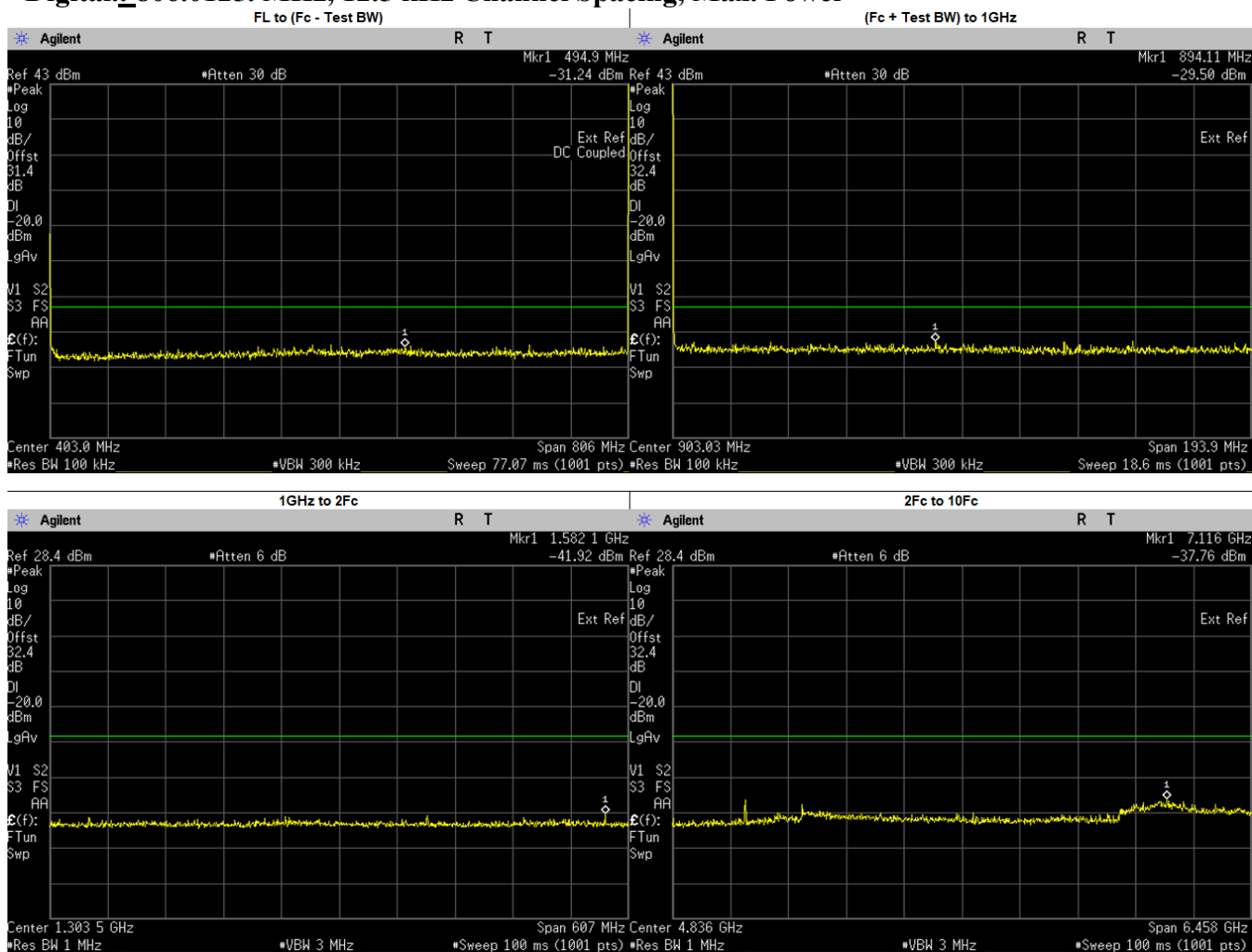
Analog: 868.8875. MHz, 25.kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	350.1000	-40.71	-13	PASS
(Fc + Test BW) to 1GHz	952.5554	-35.69	-13	PASS
1GHz to 2Fc	1092.3300	-53.73	-13	PASS
2Fc to 10Fc	7030.1720	-48.60	-13	PASS
	1737.7750	-54.58	-13	PASS
	2606.6620	-53.75	-13	PASS
	3475.5500	-52.08	-13	PASS
	4344.4370	-53.17	-13	PASS
	5213.3250	-53.62	-13	PASS
	6082.2120	-53.13	-13	PASS
	6951.1000	-49.50	-13	PASS
	7819.9880	-50.84	-13	PASS
	8688.8750	-51.44	-13	PASS

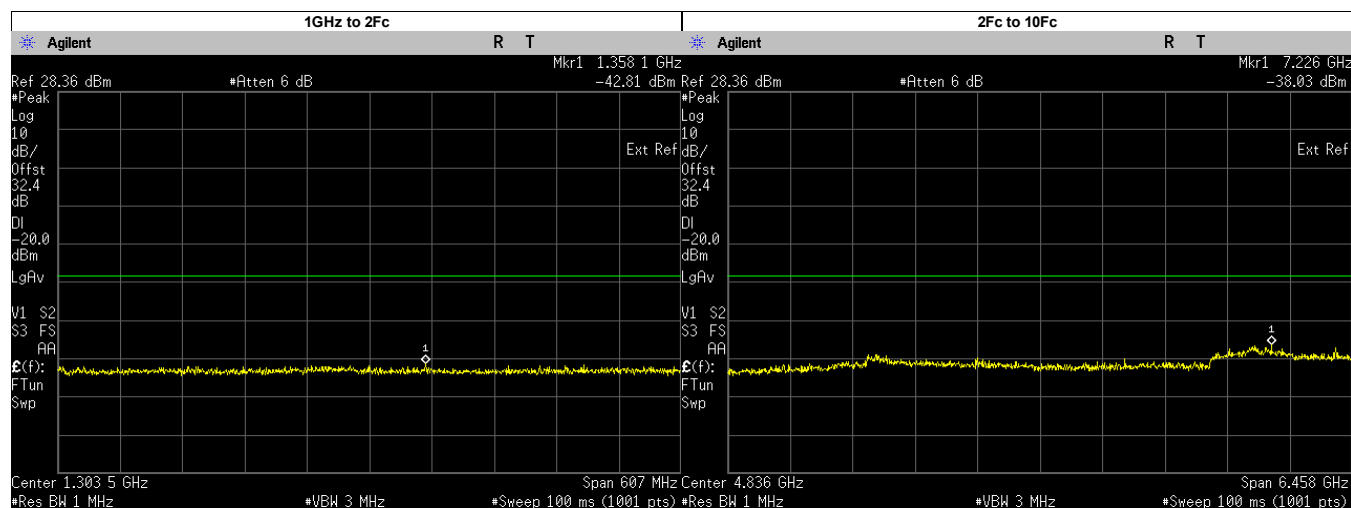
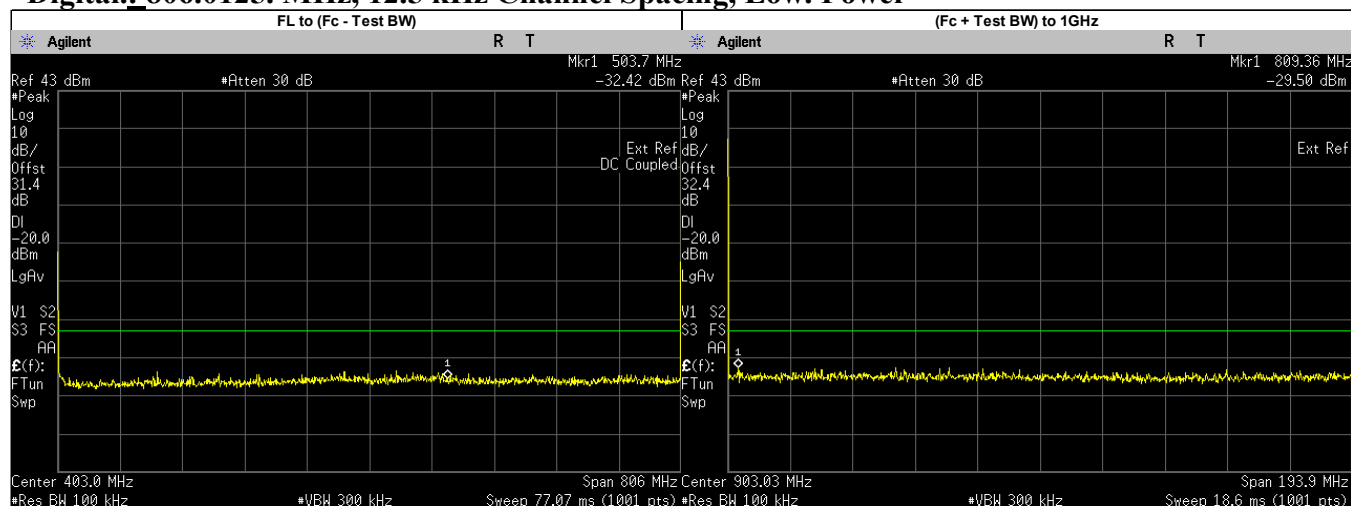
6.10.3. Test Result (Digital)

Digital: 806.0125. MHz, 12.5 kHz Channel Spacing, Max. Power



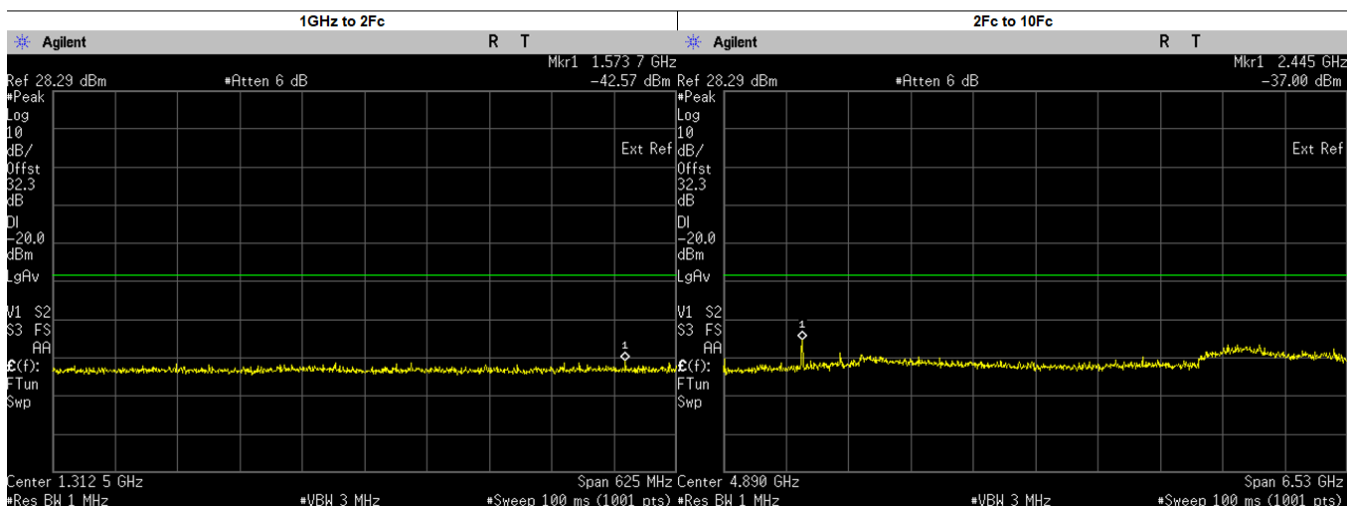
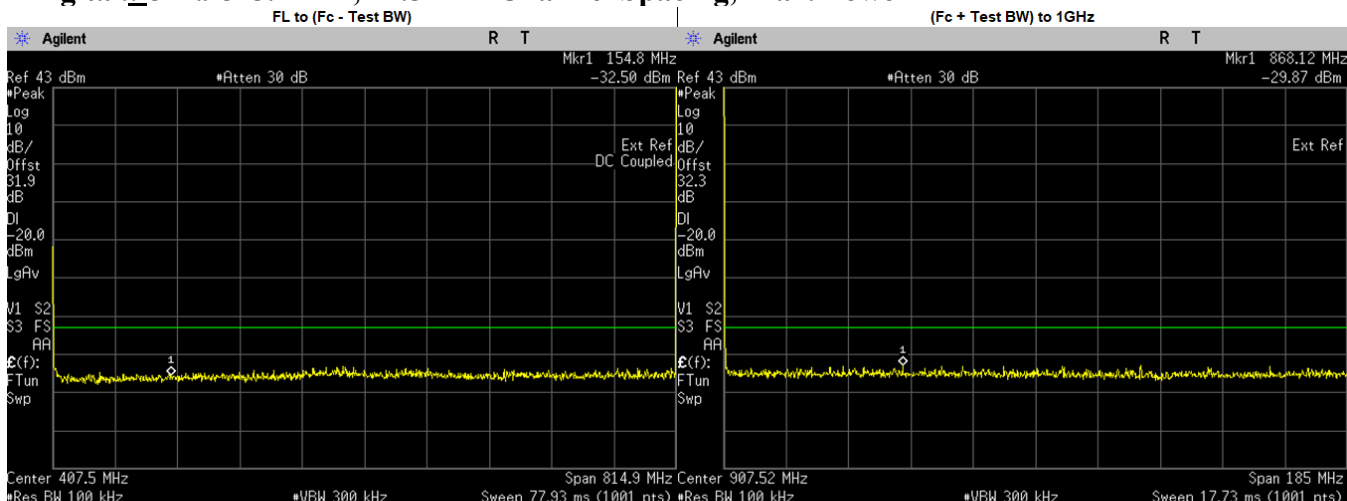
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	494.9000	-31.2440	-20.00	PASS
(Fc + Test BW) to 1GHz	894.1101	-29.5000	-20.00	PASS
1GHz to 2Fc	1582.1370	-41.9200	-20.00	PASS
2Fc to 10Fc	7115.7840	-37.7600	-20.00	PASS
	1612.0250	-43.5853	-20.00	PASS
	3224.0500	-42.4328	-20.00	PASS
	4030.0620	-42.9418	-20.00	PASS
	4836.0750	-43.8490	-20.00	PASS
	5642.0870	-44.3135	-20.00	PASS
	6448.1000	-43.6853	-20.00	PASS
	8060.1250	-41.4285	-20.00	PASS
	2418.0370	-39.0686	-20.00	PASS
	7254.1130	-39.7660	-20.00	PASS

Digital: 806.0125. MHz, 12.5 kHz Channel Spacing, Low. Power



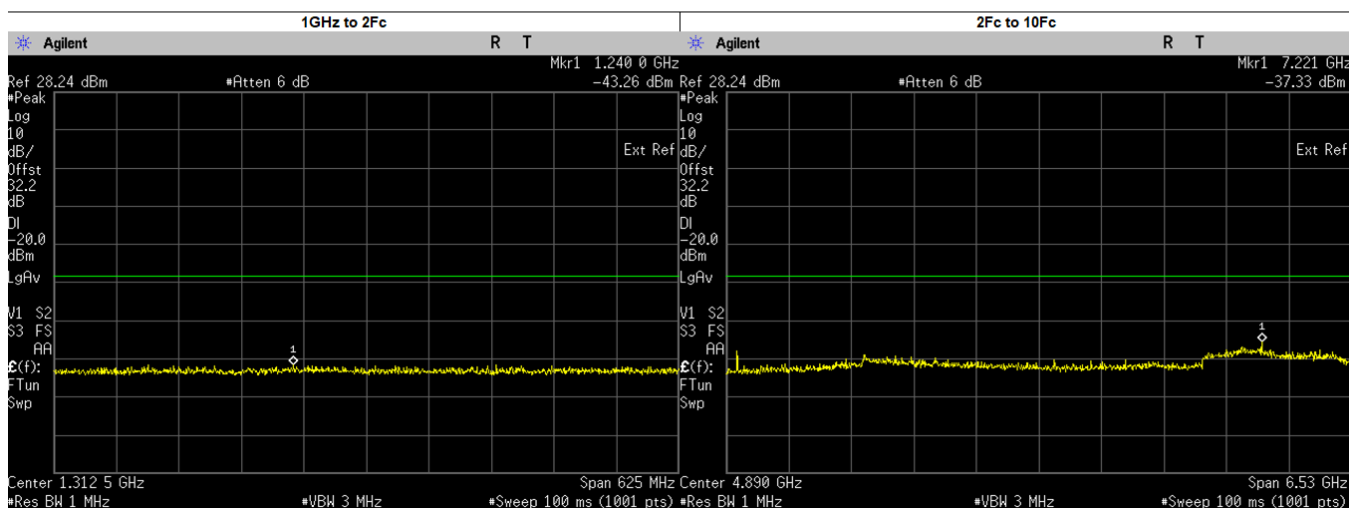
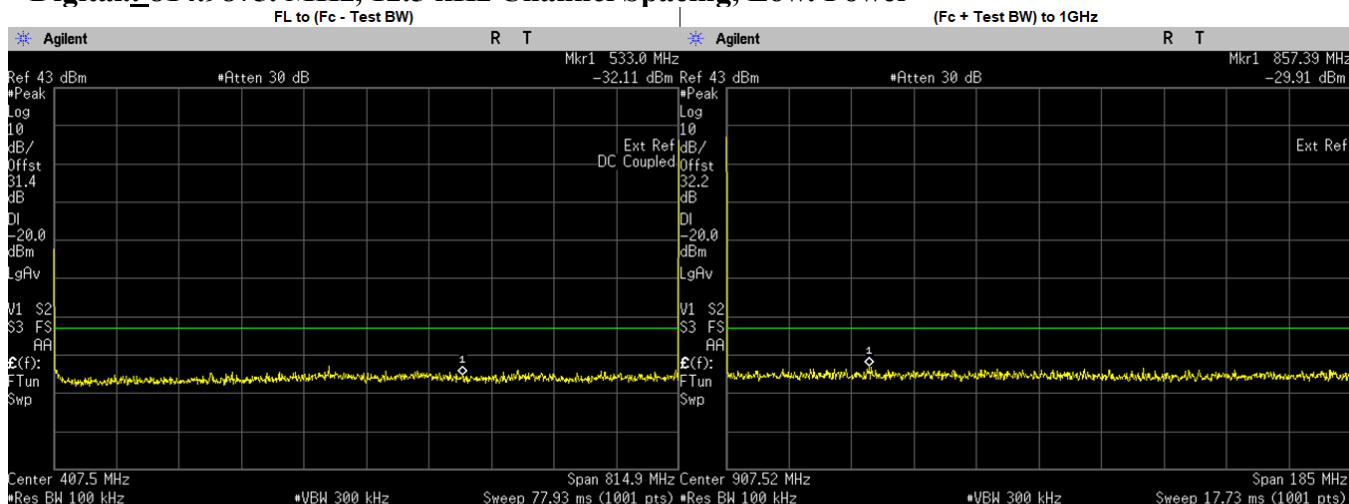
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	503.7000	-32.4150	-20.00	PASS
(Fc + Test BW) to 1GHz	809.3594	-29.5000	-20.00	PASS
1GHz to 2Fc	1358.1450	-42.8100	-20.00	PASS
2Fc to 10Fc	7225.5720	-38.0300	-20.00	PASS
	1612.0250	-44.9098	-20.00	PASS
	2418.0370	-44.5961	-20.00	PASS
	3224.0500	-42.3190	-20.00	PASS
	4030.0620	-43.1408	-20.00	PASS
	4836.0750	-44.2580	-20.00	PASS
	5642.0870	-43.3269	-20.00	PASS
	6448.1000	-43.8067	-20.00	PASS
	7254.1130	-40.1203	-20.00	PASS
	8060.1250	-42.2245	-20.00	PASS

Digital.: 814.9875. MHz, 12.5 kHz Channel Spacing, Max. Power



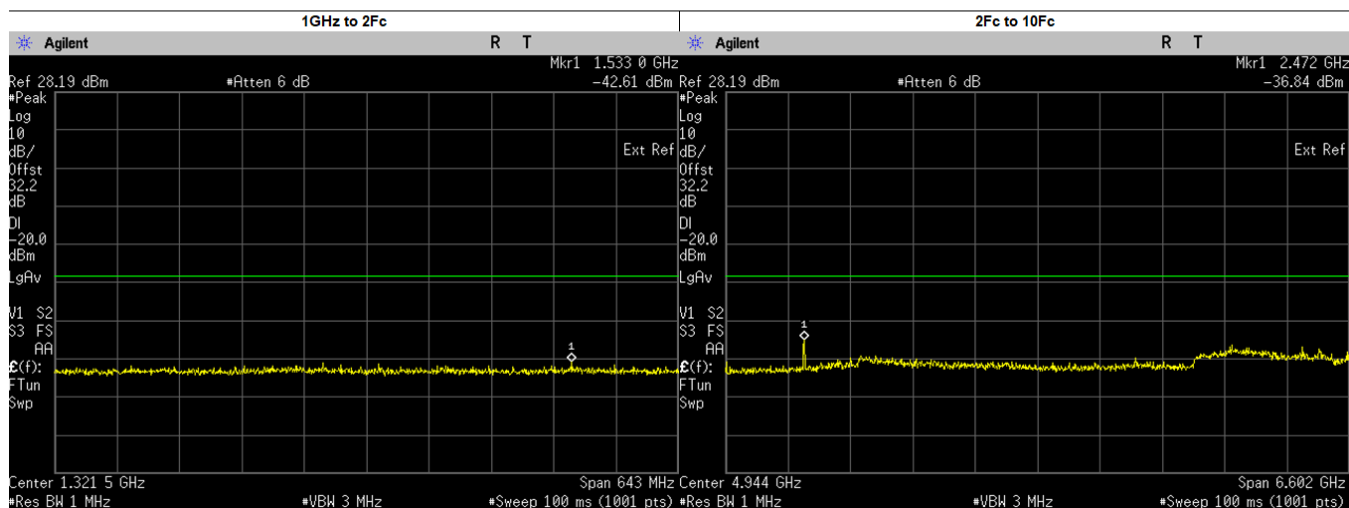
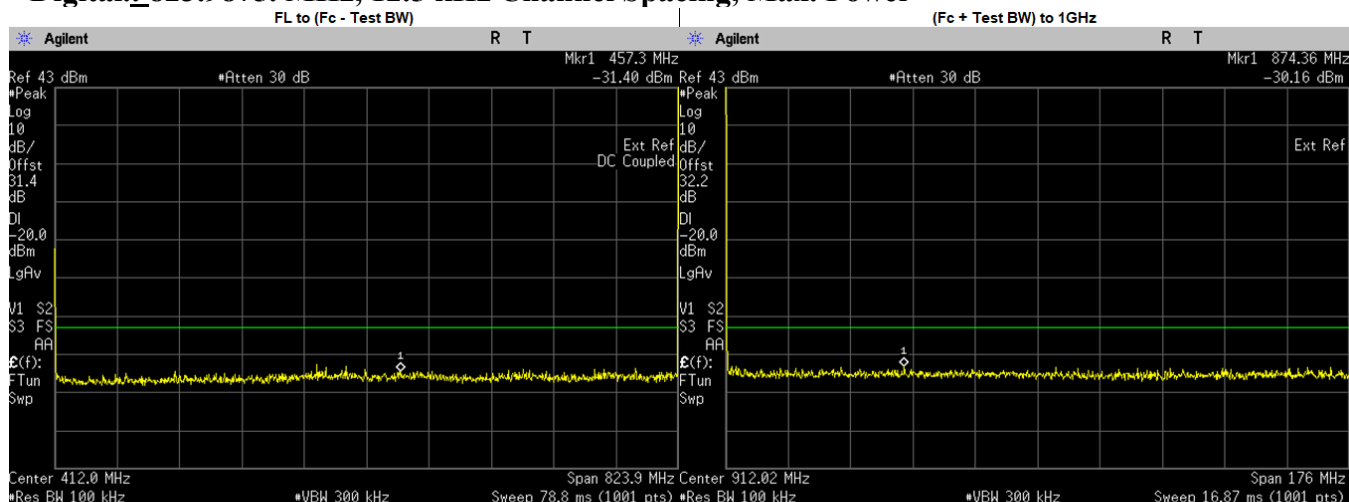
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	154.8000	-32.4990	-20.00	PASS
(Fc + Test BW) to 1GHz	868.1217	-29.8700	-20.00	PASS
1GHz to 2Fc	1573.7270	-42.5700	-20.00	PASS
2Fc to 10Fc	2444.9630	-37.0000	-20.00	PASS
	1629.9750	-42.7979	-20.00	PASS
	3259.9500	-41.8646	-20.00	PASS
	4074.9370	-42.5709	-20.00	PASS
	4889.9250	-45.0580	-20.00	PASS
	5704.9130	-43.6185	-20.00	PASS
	6519.9000	-44.1287	-20.00	PASS
	7334.8870	-40.6691	-20.00	PASS
	8149.8750	-42.4992	-20.00	PASS
	6907.6640	-38.2500	-20.00	PASS

Digital: 814.9875. MHz, 12.5 kHz Channel Spacing, Low. Power



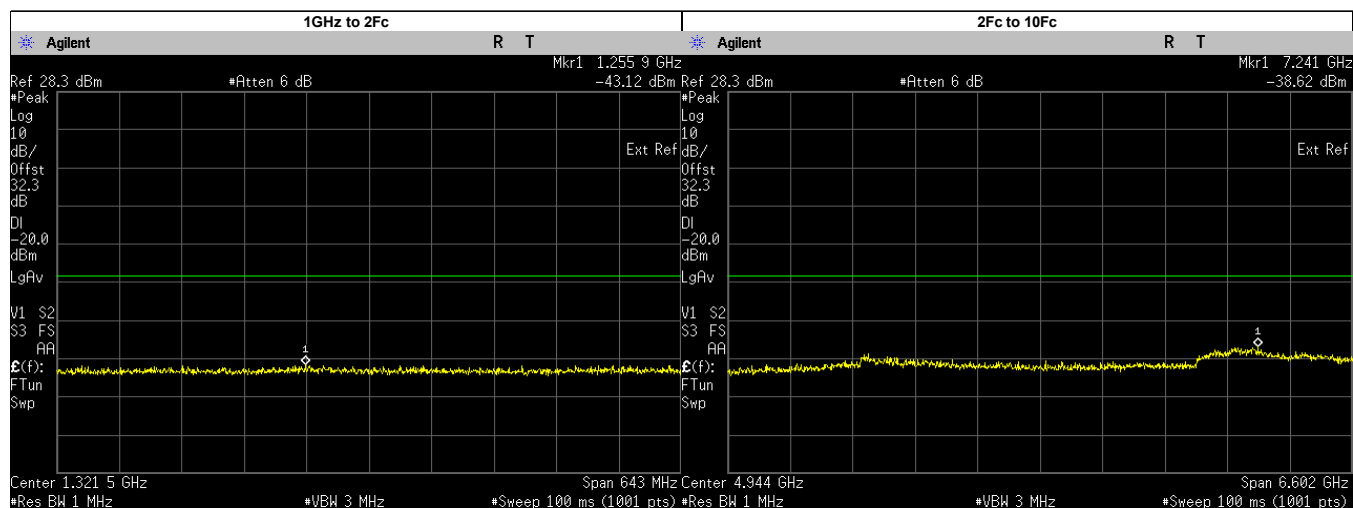
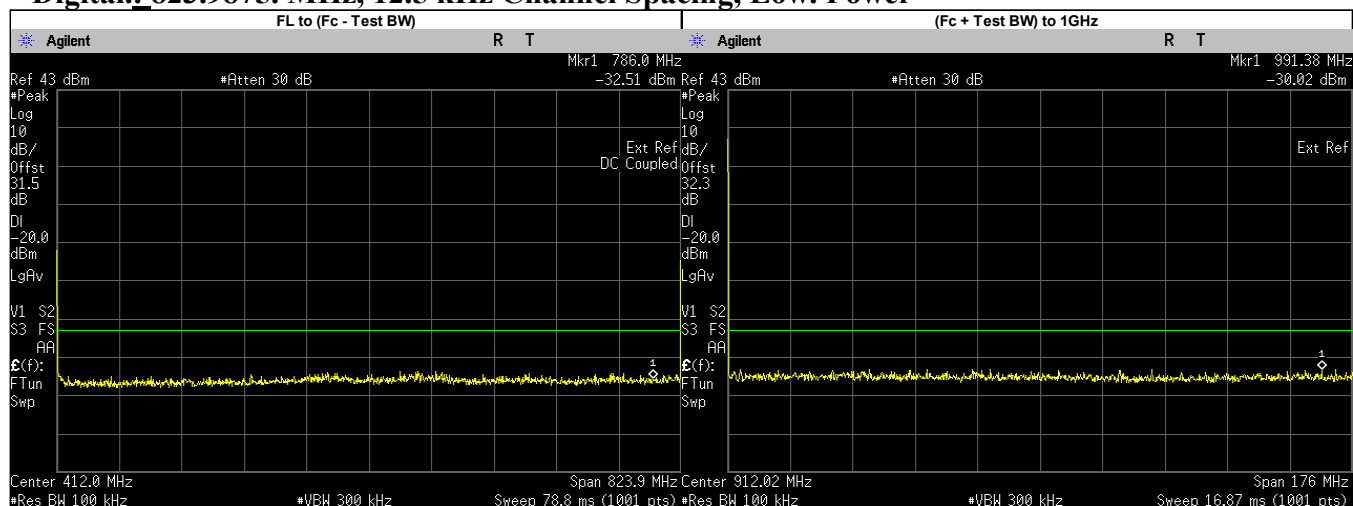
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	533.0000	-32.1100	-20.00	PASS
(Fc + Test BW) to 1GHz	857.3939	-29.9100	-20.00	PASS
1GHz to 2Fc	1239.9900	-43.2600	-20.00	PASS
2Fc to 10Fc	7221.0990	-37.3300	-20.00	PASS
	1629.9750	-45.2976	-20.00	PASS
	2444.9630	-44.7282	-20.00	PASS
	3259.9500	-42.0896	-20.00	PASS
	4074.9370	-43.6424	-20.00	PASS
	4889.9250	-44.1910	-20.00	PASS
	5704.9130	-43.9063	-20.00	PASS
	6519.9000	-43.5219	-20.00	PASS
	8149.8750	-42.7685	-20.00	PASS
	7334.8870	-39.9989	-20.00	PASS

Digital: 823.9875. MHz, 12.5 kHz Channel Spacing, Max. Power



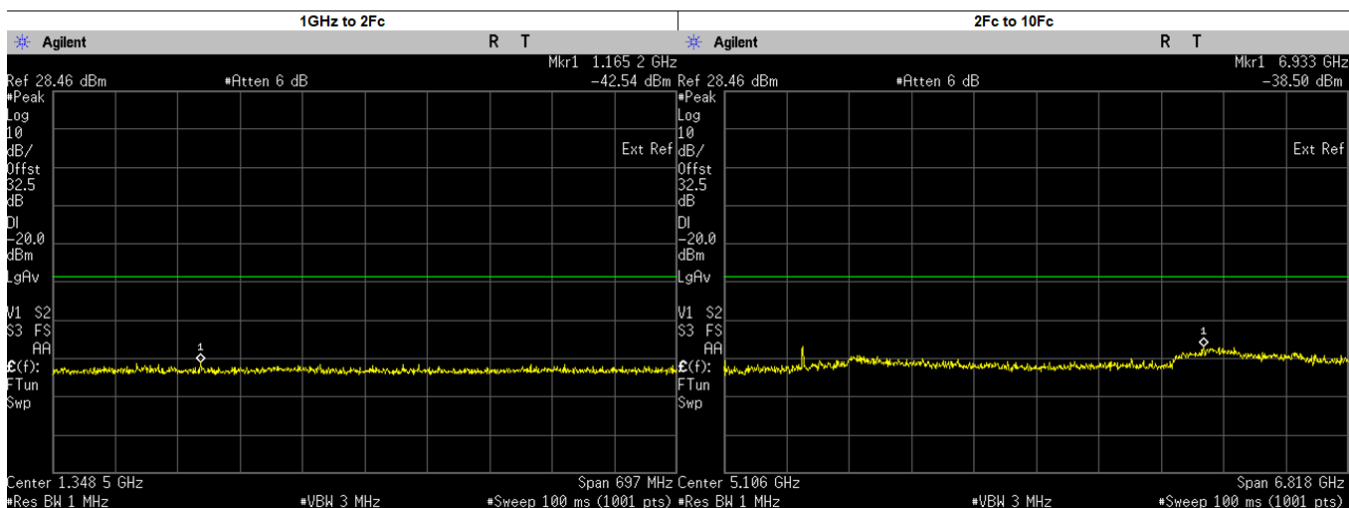
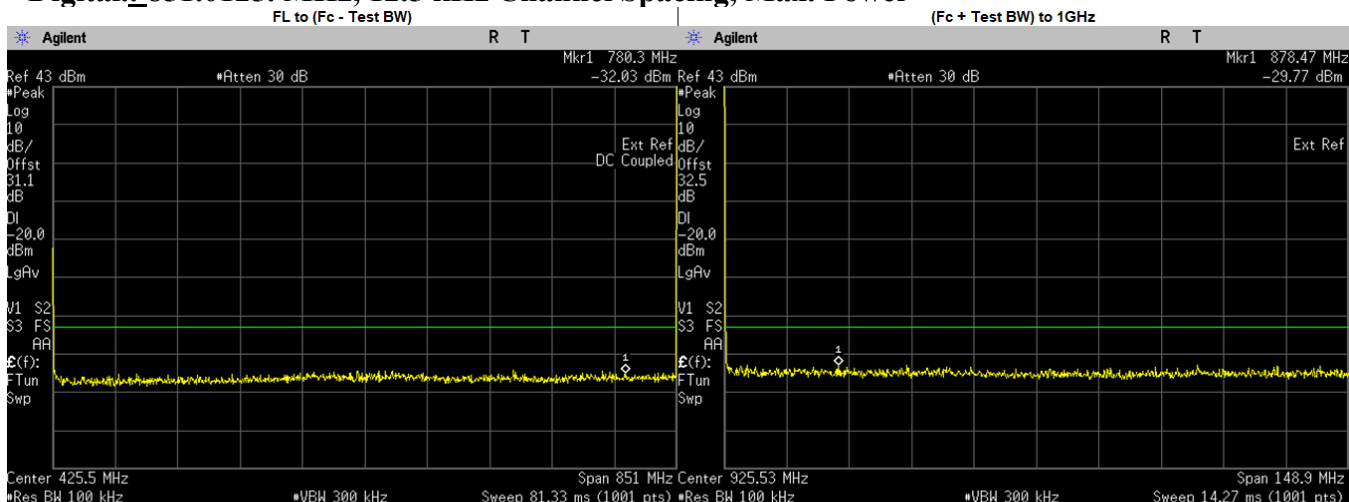
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	457.3000	-31.4030	-20.00	PASS
(Fc + Test BW) to 1GHz	874.3628	-30.1600	-20.00	PASS
1GHz to 2Fc	1533.0260	-42.6100	-20.00	PASS
2Fc to 10Fc	2471.9630	-36.8400	-20.00	PASS
	1647.9750	-43.2708	-20.00	PASS
	3295.9500	-42.2430	-20.00	PASS
	4119.9370	-44.2848	-20.00	PASS
	4943.9250	-44.5380	-20.00	PASS
	5767.9130	-44.7384	-20.00	PASS
	6591.9000	-43.6787	-20.00	PASS
	7415.8870	-40.9389	-20.00	PASS
	8239.8750	-42.0755	-20.00	PASS
	6997.1160	-38.2400	-20.00	PASS

Digital: 823.9875. MHz, 12.5 kHz Channel Spacing, Low. Power



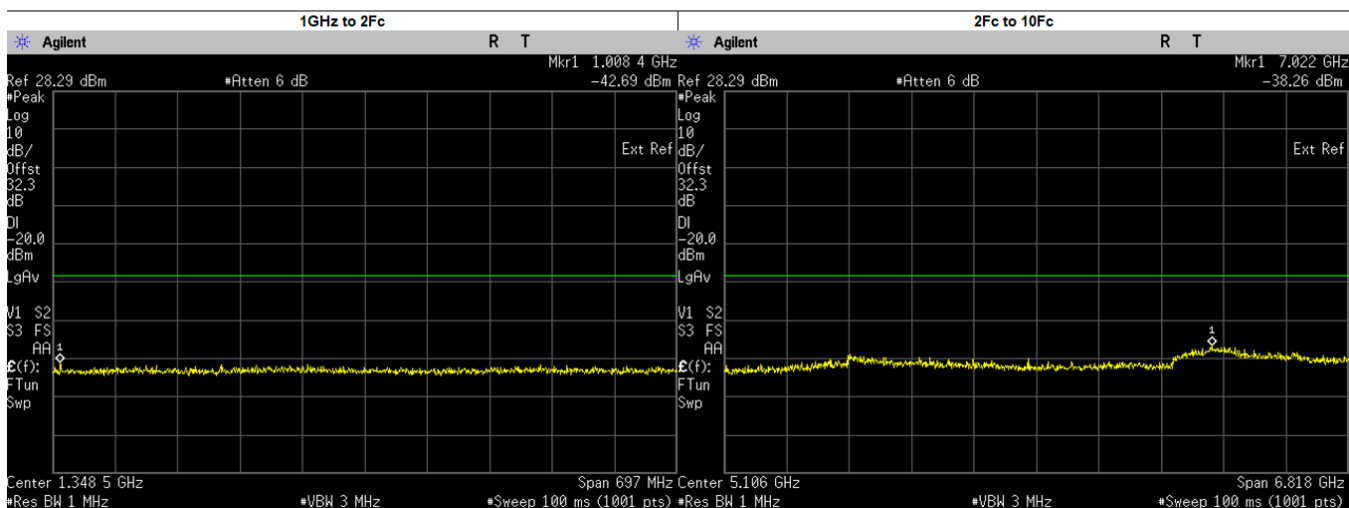
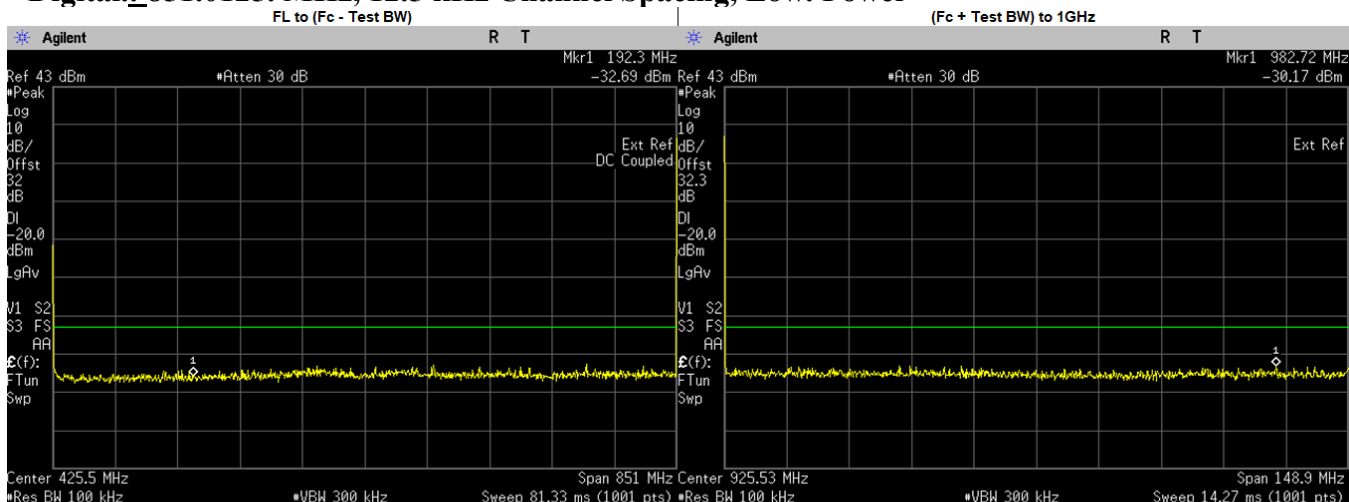
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	786.0000	-32.5050	-20.00	PASS
(Fc + Test BW) to 1GHz	991.3778	-30.0200	-20.00	PASS
1GHz to 2Fc	1255.9040	-43.1200	-20.00	PASS
2Fc to 10Fc	7241.3860	-38.6200	-20.00	PASS
	1647.9750	-44.9322	-20.00	PASS
	2471.9630	-44.0954	-20.00	PASS
	3295.9500	-42.1273	-20.00	PASS
	4119.9370	-43.6396	-20.00	PASS
	4943.9250	-43.8300	-20.00	PASS
	5767.9130	-43.8738	-20.00	PASS
	6591.9000	-44.0679	-20.00	PASS
	7415.8870	-41.0015	-20.00	PASS
	8239.8750	-41.4015	-20.00	PASS

Digital: 851.0125. MHz, 12.5 kHz Channel Spacing, Max. Power



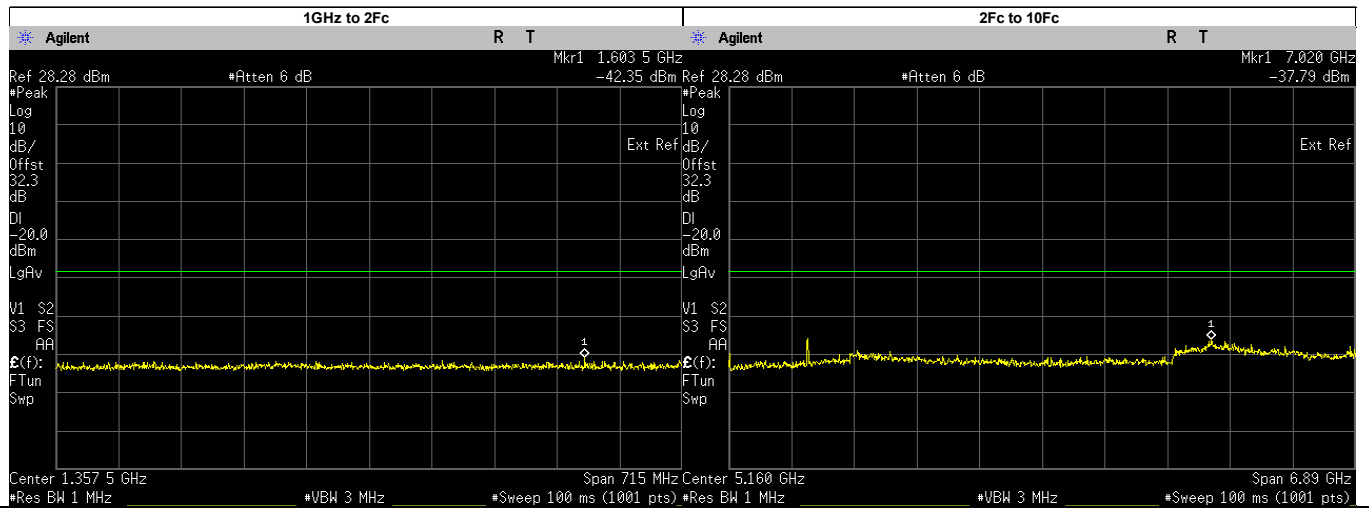
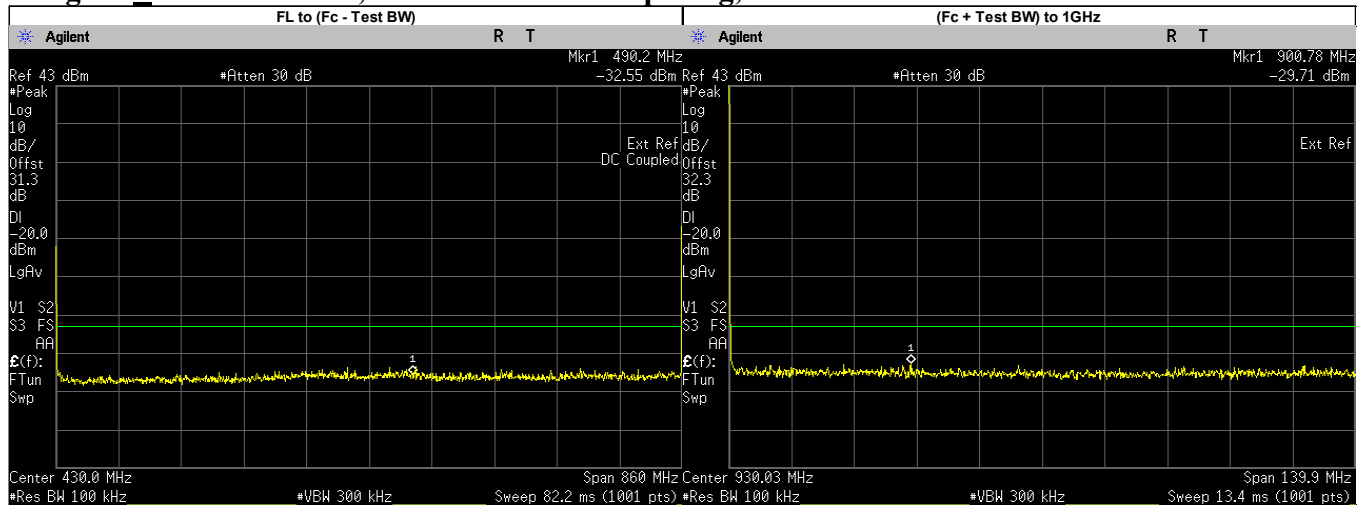
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	780.3000	-32.0260	-20.00	PASS
(Fc + Test BW) to 1GHz	878.4670	-29.7700	-20.00	PASS
1GHz to 2Fc	1165.1950	-42.5400	-20.00	PASS
2Fc to 10Fc	6933.3260	-38.5000	-20.00	PASS
	1702.0250	-42.8273	-20.00	PASS
	3404.0500	-42.0864	-20.00	PASS
	4255.0620	-42.1398	-20.00	PASS
	5106.0750	-44.1830	-20.00	PASS
	5957.0870	-43.4073	-20.00	PASS
	6808.1000	-40.4341	-20.00	PASS
	7659.1130	-40.6921	-20.00	PASS
	8510.1250	-42.0975	-20.00	PASS
	2553.0370	-38.6872	-20.00	PASS

Digital; 851.0125. MHz, 12.5 kHz Channel Spacing, Low. Power



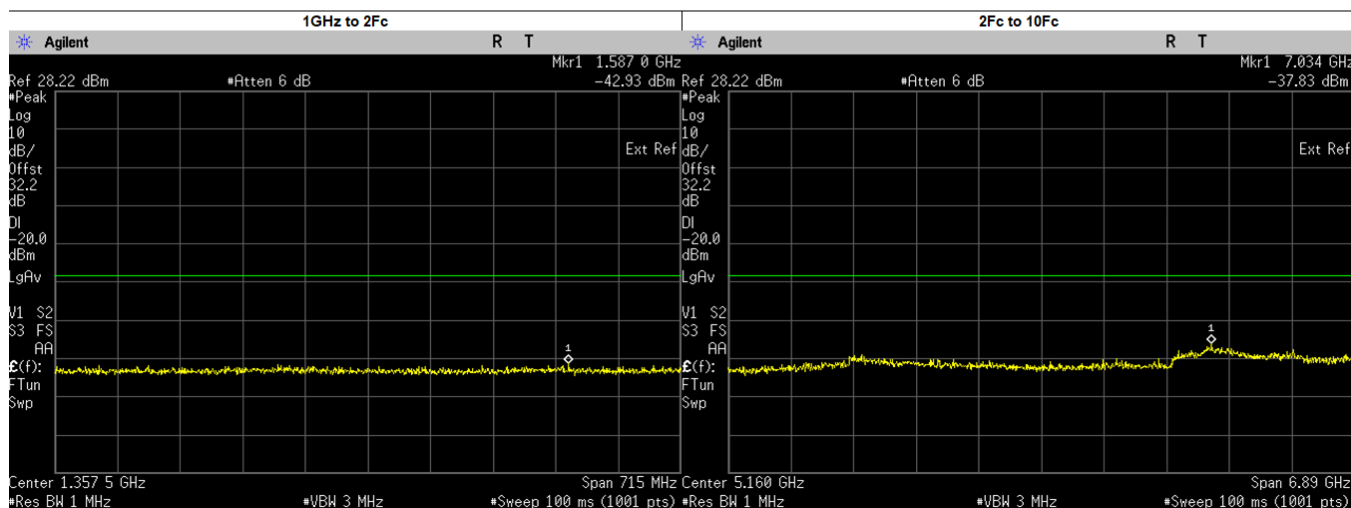
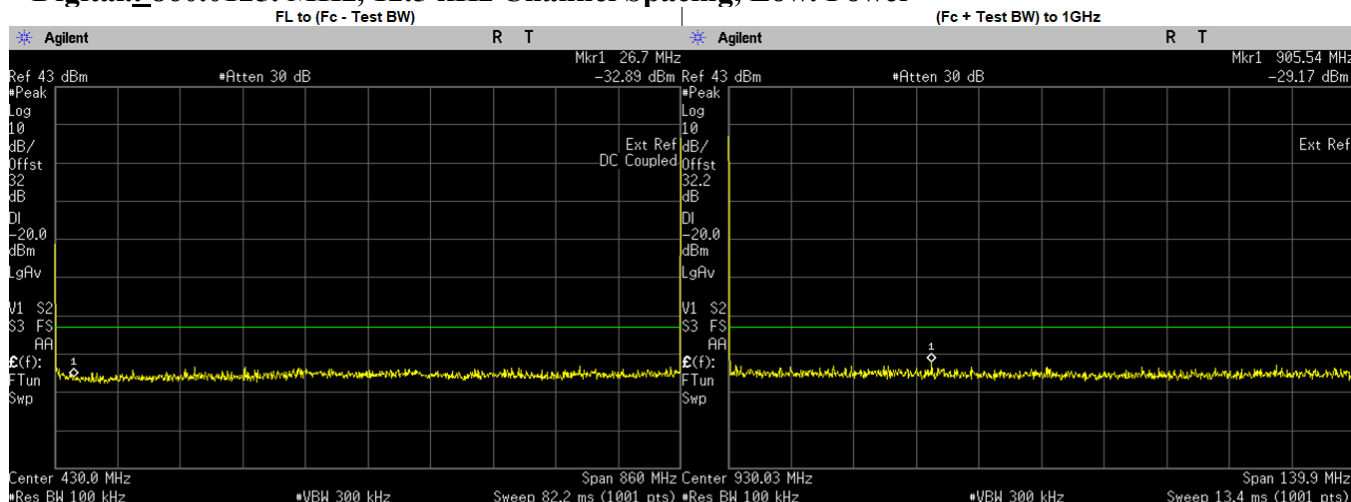
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	192.3000	-32.6940	-20.00	PASS
(Fc + Test BW) to 1GHz	982.7233	-30.1700	-20.00	PASS
1GHz to 2Fc	1008.3640	-42.6900	-20.00	PASS
2Fc to 10Fc	7021.9610	-38.2600	-20.00	PASS
	1702.0250	-45.1217	-20.00	PASS
	2553.0370	-44.0841	-20.00	PASS
	3404.0500	-42.4321	-20.00	PASS
	4255.0620	-43.4800	-20.00	PASS
	5106.0750	-44.0450	-20.00	PASS
	5957.0870	-43.8106	-20.00	PASS
	7659.1130	-40.6698	-20.00	PASS
	8510.1250	-42.0463	-20.00	PASS
	6808.1000	-39.8309	-20.00	PASS

Digital: 860.0125. MHz, 12.5 kHz Channel Spacing, Max. Power



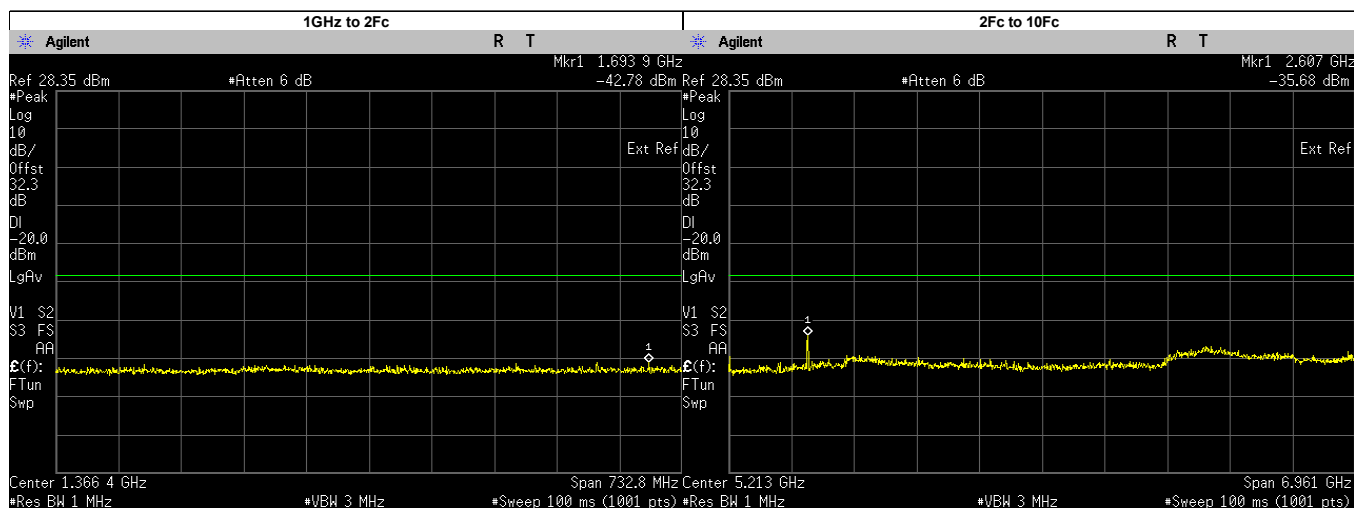
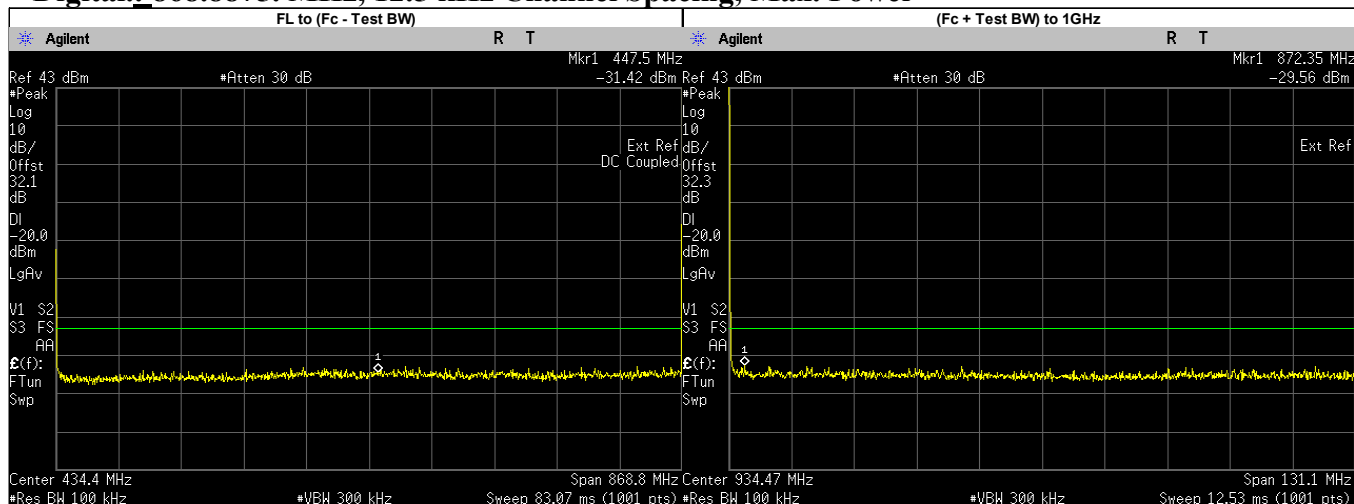
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	490.2000	-32.5500	-20.00	PASS
(Fc + Test BW) to 1GHz	900.7843	-29.7100	-20.00	PASS
1GHz to 2Fc	1603.4810	-42.3500	-20.00	PASS
2Fc to 10Fc	7020.4020	-37.7900	-20.00	PASS
	1720.0250	-42.4297	-20.00	PASS
	3440.0500	-42.3259	-20.00	PASS
	4300.0620	-43.6568	-20.00	PASS
	5160.0750	-43.6680	-20.00	PASS
	6020.0870	-43.7337	-20.00	PASS
	6880.1000	-40.4561	-20.00	PASS
	7740.1130	-40.8510	-20.00	PASS
	8600.1250	-40.8496	-20.00	PASS
	2580.0370	-37.9042	-20.00	PASS

Digital, 860.0125. MHz, 12.5 kHz Channel Spacing, Low. Power



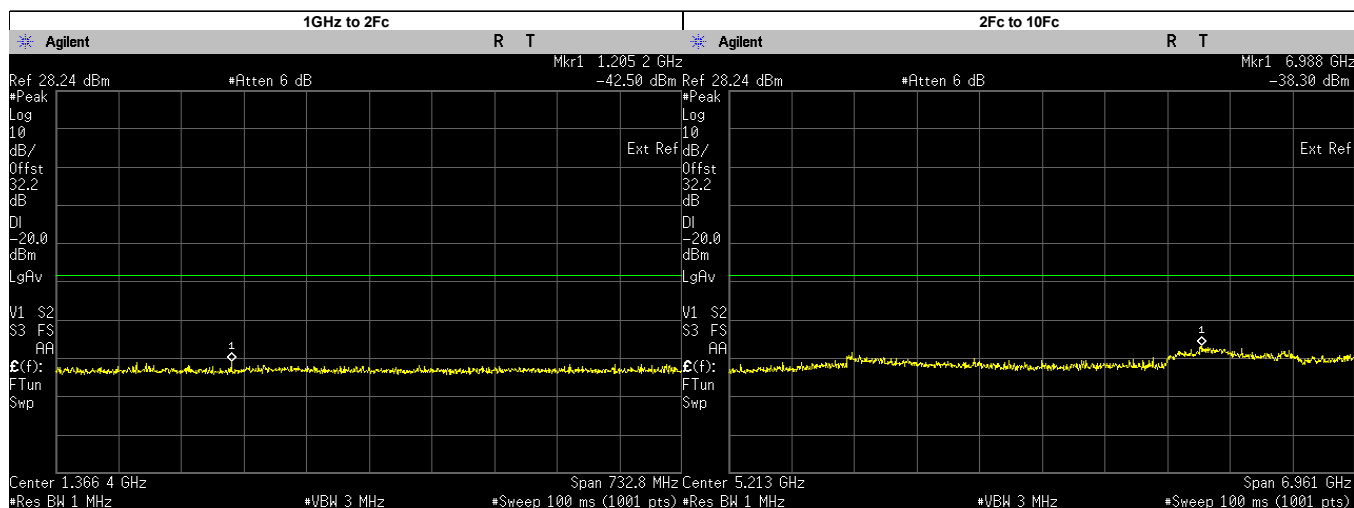
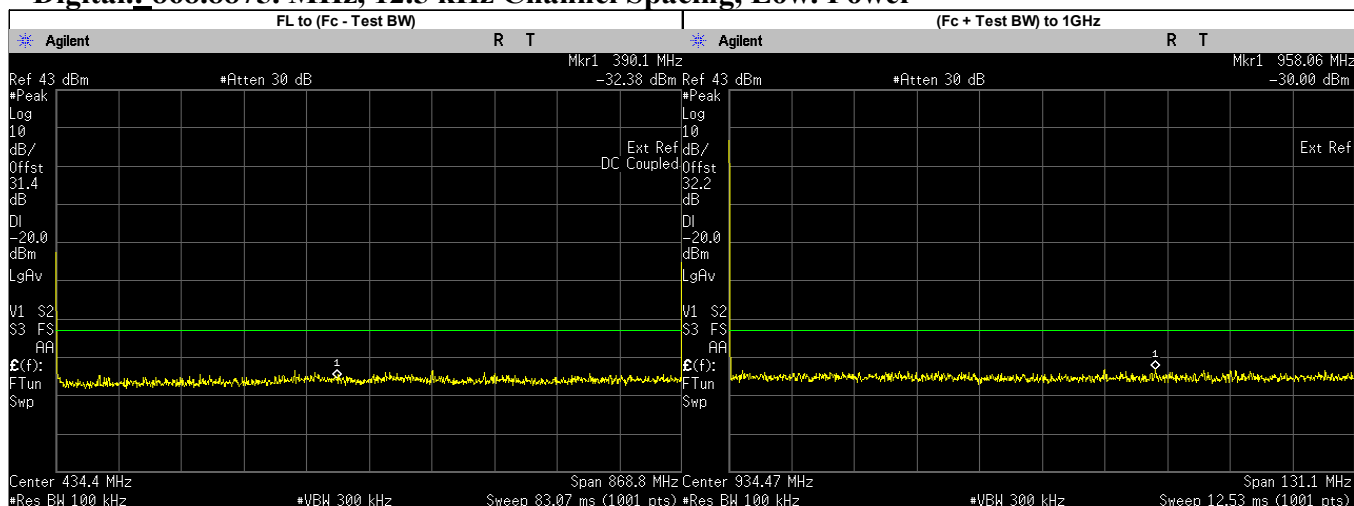
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	26.7000	-32.8920	-20.00	PASS
(Fc + Test BW) to 1GHz	905.5422	-29.1700	-20.00	PASS
1GHz to 2Fc	1587.0350	-42.9300	-20.00	PASS
2Fc to 10Fc	7034.1820	-37.8300	-20.00	PASS
	1720.0250	-45.0406	-20.00	PASS
	2580.0370	-43.2628	-20.00	PASS
	3440.0500	-42.6053	-20.00	PASS
	4300.0620	-43.6519	-20.00	PASS
	5160.0750	-43.9910	-20.00	PASS
	6020.0870	-42.9164	-20.00	PASS
	6880.1000	-40.4794	-20.00	PASS
	7740.1130	-40.8875	-20.00	PASS
	8600.1250	-41.6156	-20.00	PASS

Digital: 868.8875. MHz, 12.5 kHz Channel Spacing, Max. Power



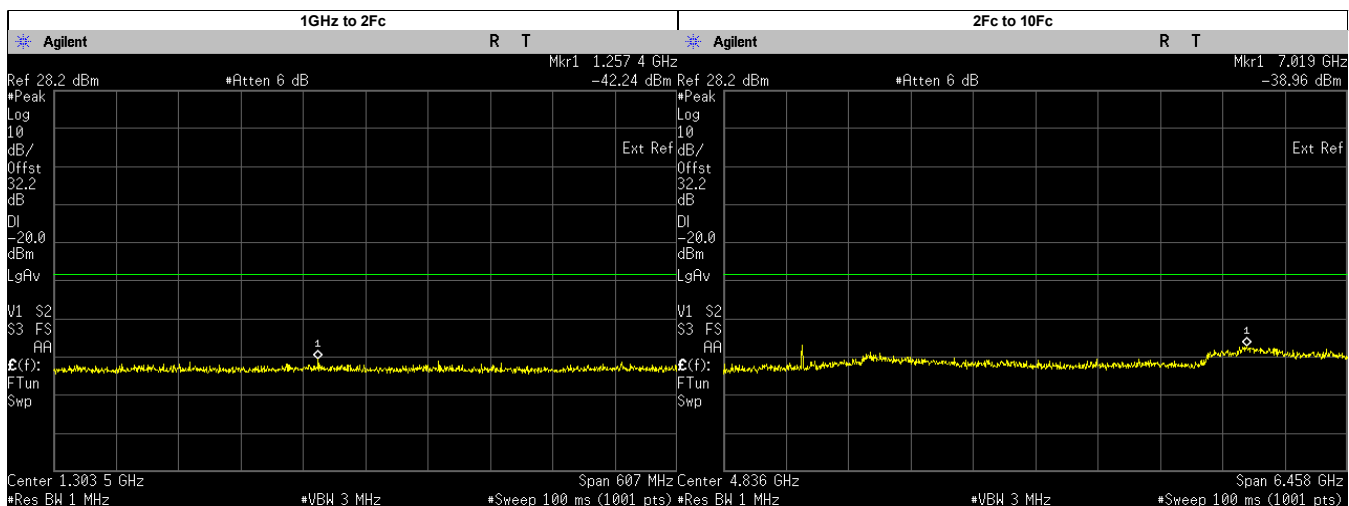
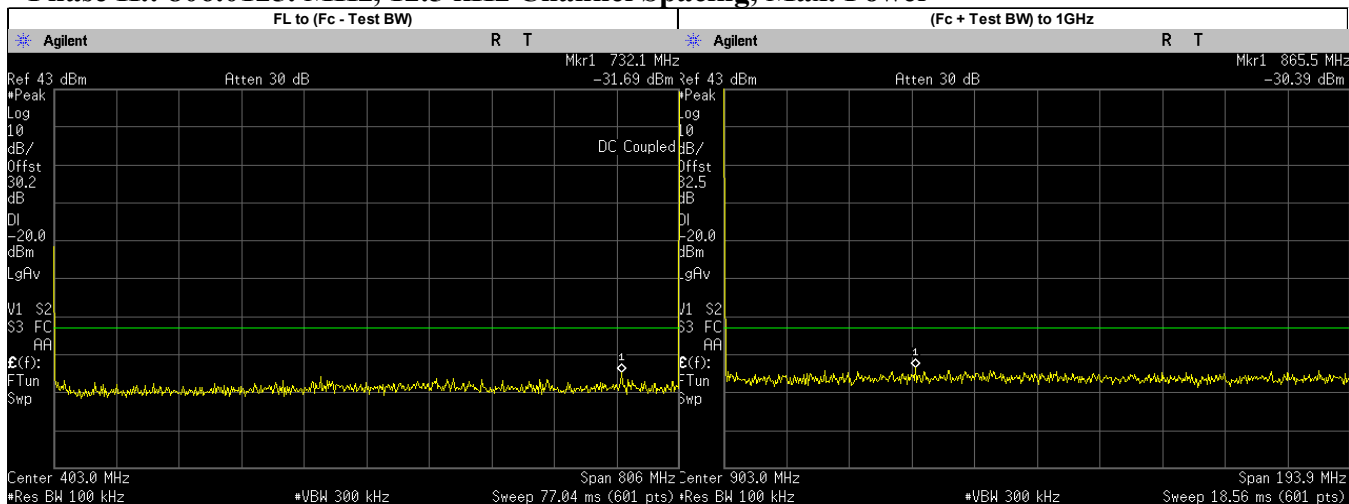
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	447.5000	-31.42	-20	PASS
(Fc + Test BW) to 1GHz	872.3451	-29.56	-20	PASS
1GHz to 2Fc	1693.9380	-42.78	-20	PASS
2Fc to 10Fc	2606.6620	-35.68	-20	PASS
	1737.7750	-42.24	-20	PASS
	3475.5500	-43.04	-20	PASS
	4344.4370	-43.95	-20	PASS
	5213.3250	-43.64	-20	PASS
	6082.2120	-43.73	-20	PASS
	7819.9880	-40.16	-20	PASS
	8688.8750	-41.18	-20	PASS
	2602.9120	-37.82	-20	PASS
	6951.1000	-39.72	-20	PASS

Digital.: 868.8875. MHz, 12.5 kHz Channel Spacing, Low. Power



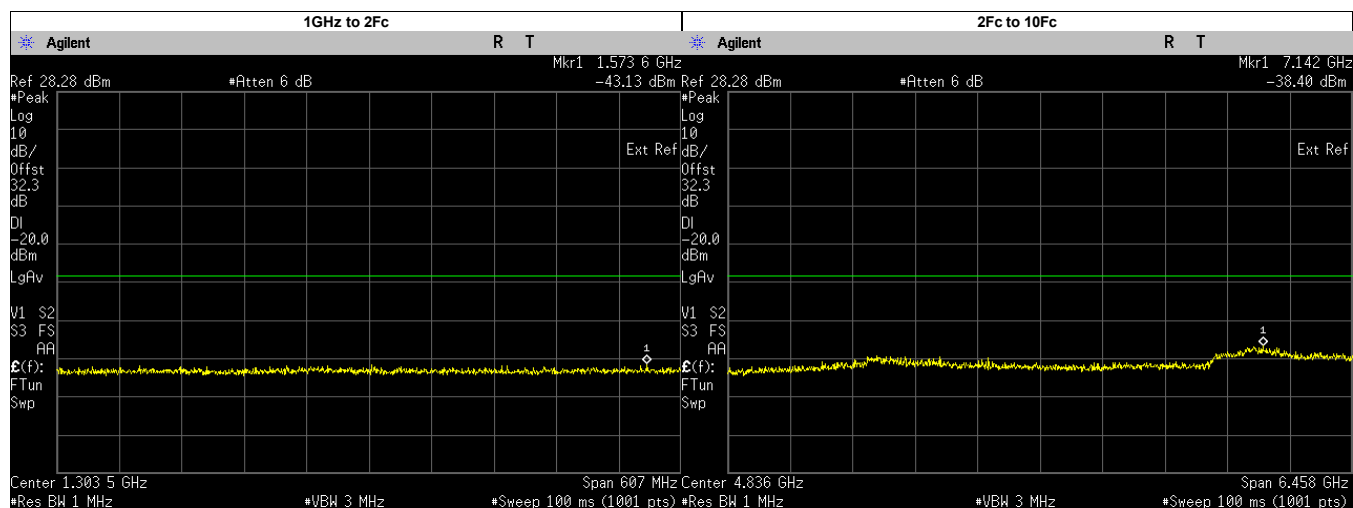
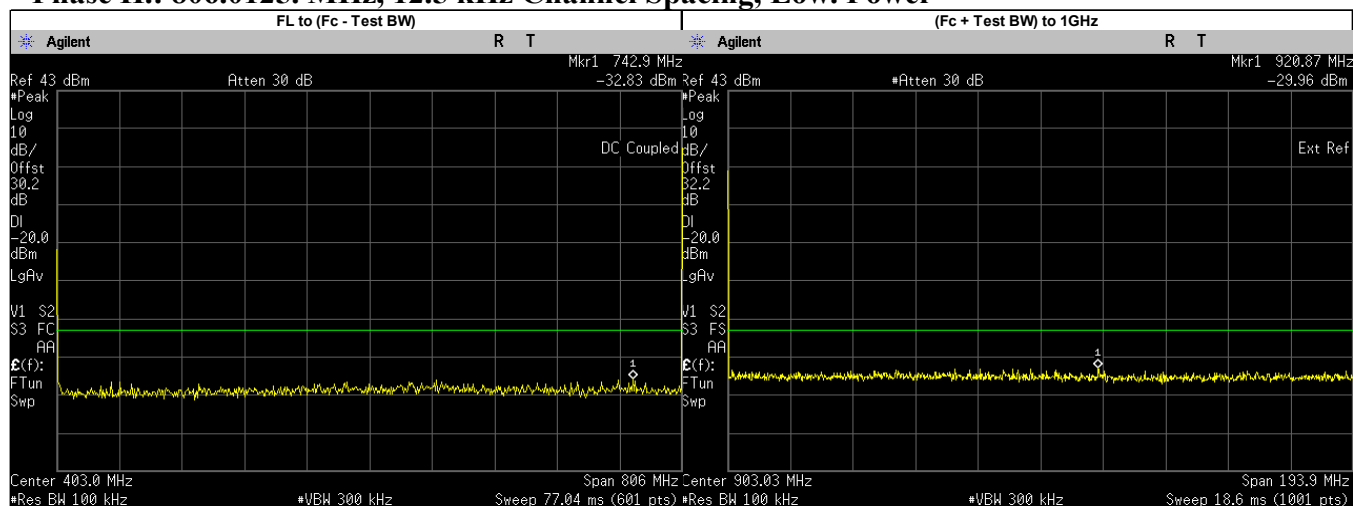
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	390.1000	-32.38	-20	PASS
(Fc + Test BW) to 1GHz	958.0600	-30.00	-20	PASS
1GHz to 2Fc	1205.1770	-42.50	-20	PASS
2Fc to 10Fc	6988.4050	-38.30	-20	PASS
	1737.7750	-45.26	-20	PASS
	2606.6620	-44.16	-20	PASS
	3475.5500	-42.97	-20	PASS
	4344.4370	-42.92	-20	PASS
	5213.3250	-42.18	-20	PASS
	6082.2120	-43.91	-20	PASS
	6951.1000	-40.44	-20	PASS
	7819.9880	-41.82	-20	PASS
	8688.8750	-41.34	-20	PASS

Phase II.: 806.0125. MHz, 12.5 kHz Channel Spacing, Max. Power



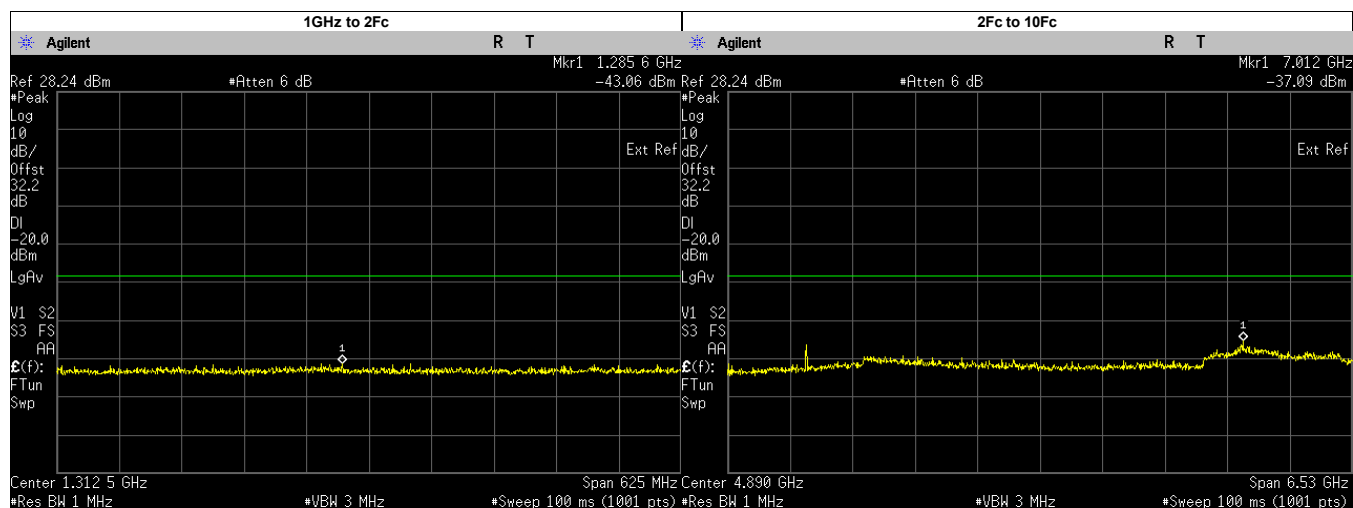
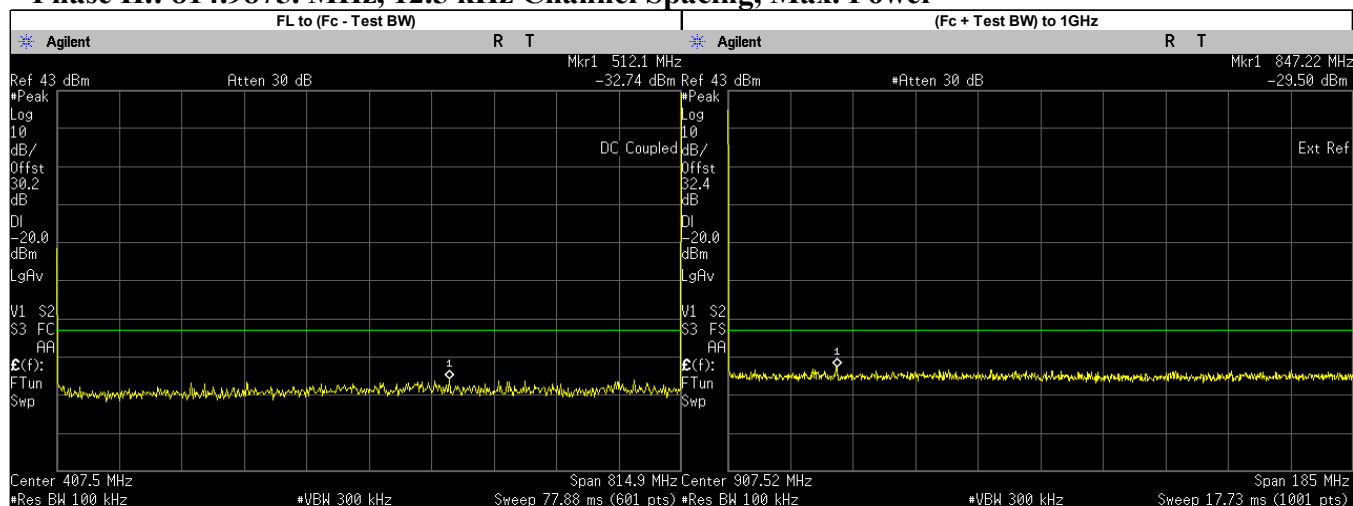
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	732.1000	-31.6900	-20.00	PASS
(Fc + Test BW) to 1GHz	865.5000	-30.3900	-20.00	PASS
1GHz to 2Fc	1257.3790	-42.2400	-20.00	PASS
2Fc to 10Fc	7018.9130	-38.9600	-20.00	PASS
	1612.0250	-44.1146	-20.00	PASS
	3224.0500	-41.7173	-20.00	PASS
	4030.0620	-43.3276	-20.00	PASS
	4836.0750	-44.1610	-20.00	PASS
	5642.0870	-44.4374	-20.00	PASS
	6448.1000	-43.7397	-20.00	PASS
	8060.1250	-41.6070	-20.00	PASS
	7254.1130	-39.6214	-20.00	PASS

Phase II.: 806.0125. MHz, 12.5 kHz Channel Spacing, Low. Power



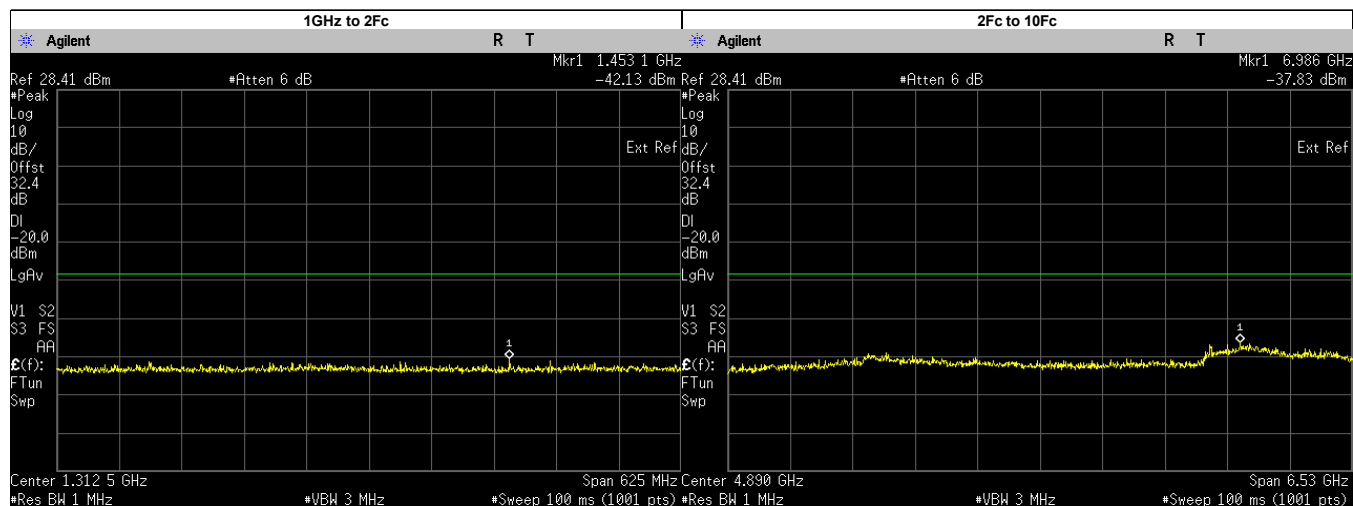
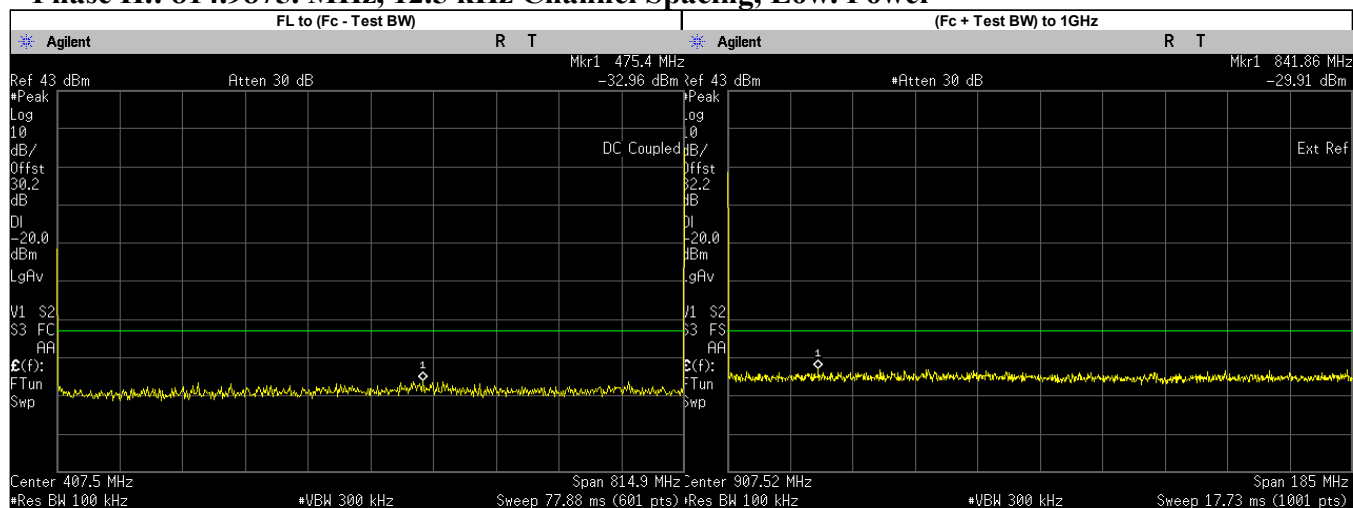
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	742.9000	-32.8300	-20.00	PASS
(Fc + Test BW) to 1GHz	920.8700	-29.9600	-20.00	PASS
1GHz to 2Fc	1573.6390	-43.1300	-20.00	PASS
2Fc to 10Fc	7141.6170	-38.4000	-20.00	PASS
	1612.0250	-44.9851	-20.00	PASS
	2418.0370	-44.4617	-20.00	PASS
	3224.0500	-42.2171	-20.00	PASS
	4030.0620	-43.1848	-20.00	PASS
	4836.0750	-43.5130	-20.00	PASS
	5642.0870	-43.2574	-20.00	PASS
	6448.1000	-43.6958	-20.00	PASS
	8060.1250	-41.6406	-20.00	PASS
	7254.1130	-39.8546	-20.00	PASS

Phase II.: 814.9875. MHz, 12.5 kHz Channel Spacing, Max. Power



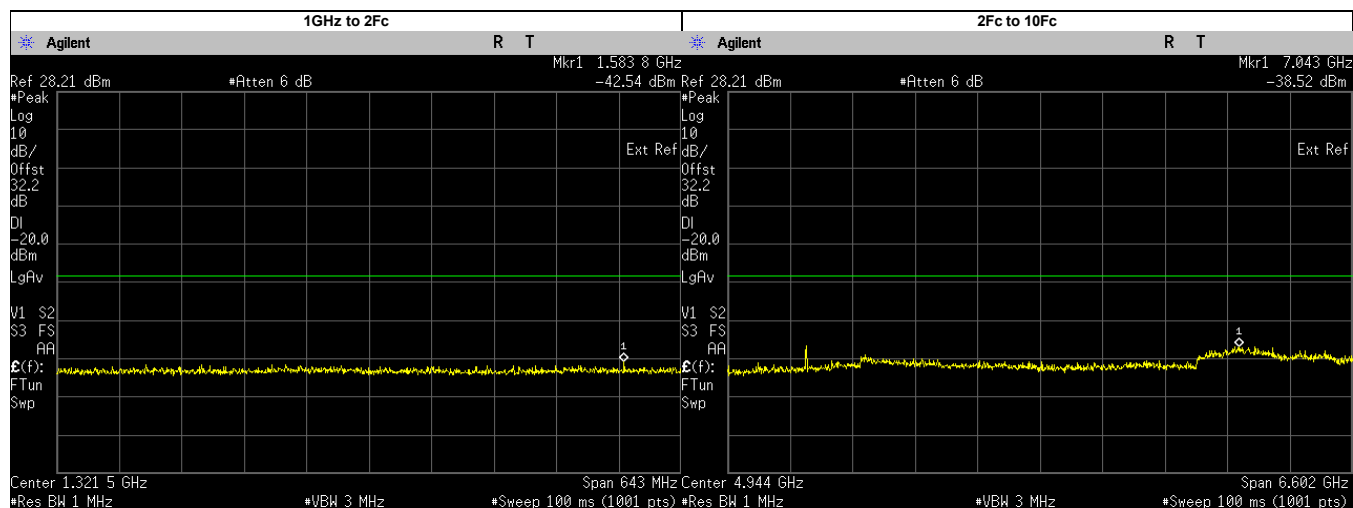
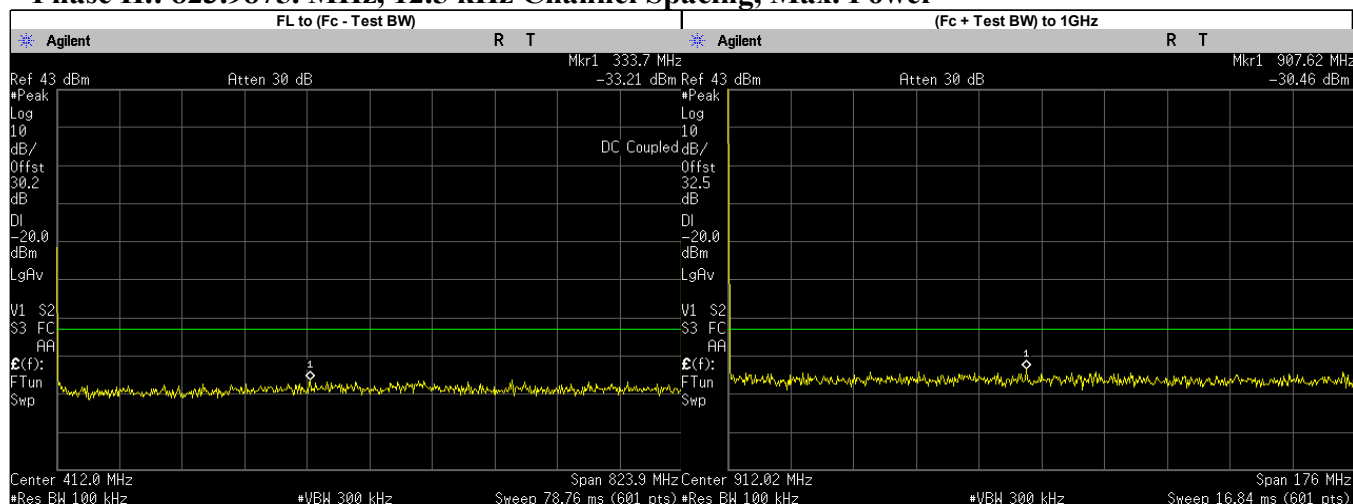
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	512.1000	-32.7400	-20.00	PASS
(Fc + Test BW) to 1GHz	847.2200	-29.5000	-20.00	PASS
1GHz to 2Fc	1285.6140	-43.0500	-20.00	PASS
2Fc to 10Fc	7012.1420	-37.0900	-20.00	PASS
	1629.9750	-43.8112	-20.00	PASS
	3259.9500	-42.4131	-20.00	PASS
	4074.9370	-41.9626	-20.00	PASS
	4889.9250	-43.8840	-20.00	PASS
	5704.9130	-44.0241	-20.00	PASS
	6519.9000	-43.7111	-20.00	PASS
	7334.8870	-40.1309	-20.00	PASS
	8149.8750	-42.1910	-20.00	PASS
	2444.9630	-39.3189	-20.00	PASS

Phase II.: 814.9875. MHz, 12.5 kHz Channel Spacing, Low. Power



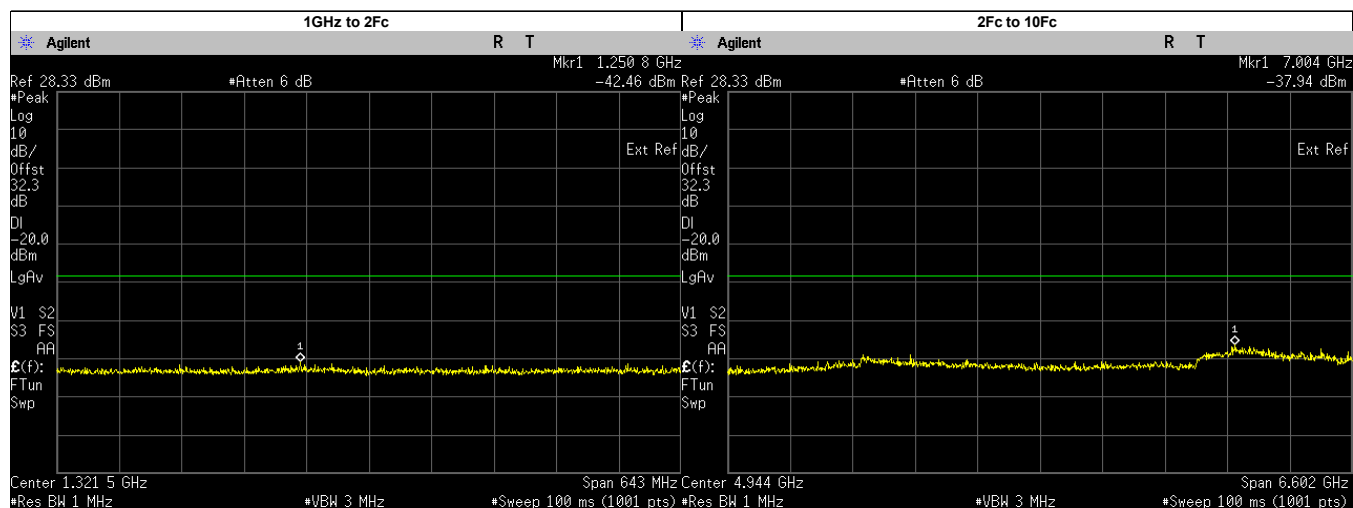
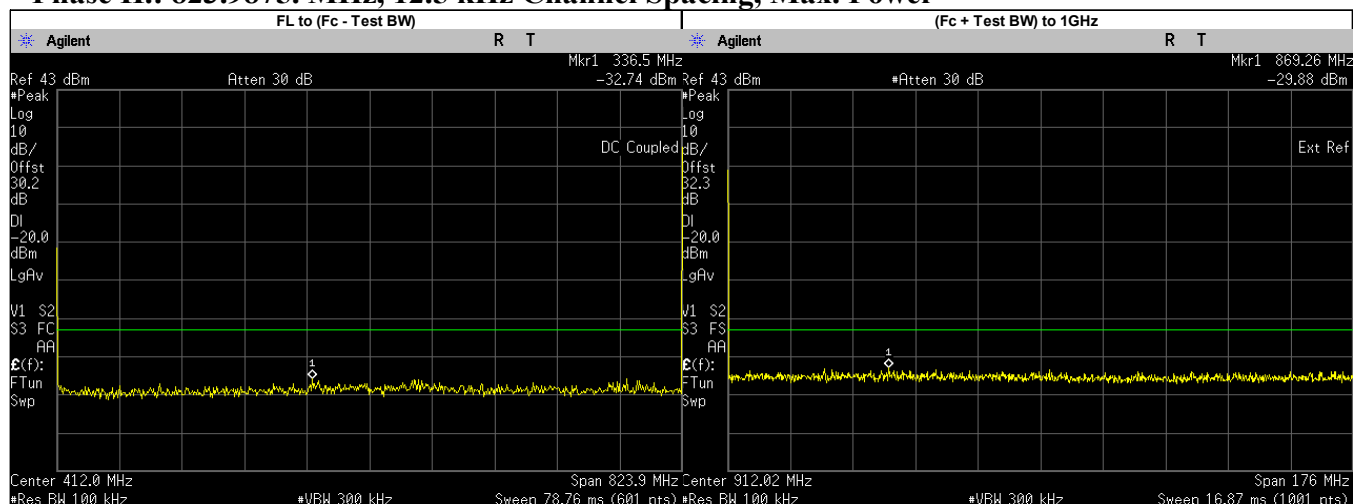
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	475.4000	-32.9600	-20.00	PASS
(Fc + Test BW) to 1GHz	841.8600	-29.9100	-20.00	PASS
1GHz to 2Fc	1453.1070	-42.1300	-20.00	PASS
2Fc to 10Fc	6986.0230	-37.8300	-20.00	PASS
	1629.9750	-45.7173	-20.00	PASS
	2444.9630	-43.9113	-20.00	PASS
	3259.9500	-42.1355	-20.00	PASS
	4074.9370	-43.0040	-20.00	PASS
	4889.9250	-44.2250	-20.00	PASS
	5704.9130	-43.5105	-20.00	PASS
	6519.9000	-43.7538	-20.00	PASS
	7334.8870	-40.7199	-20.00	PASS
	8149.8750	-41.8705	-20.00	PASS

Phase II.: 823.9875. MHz, 12.5 kHz Channel Spacing, Max. Power



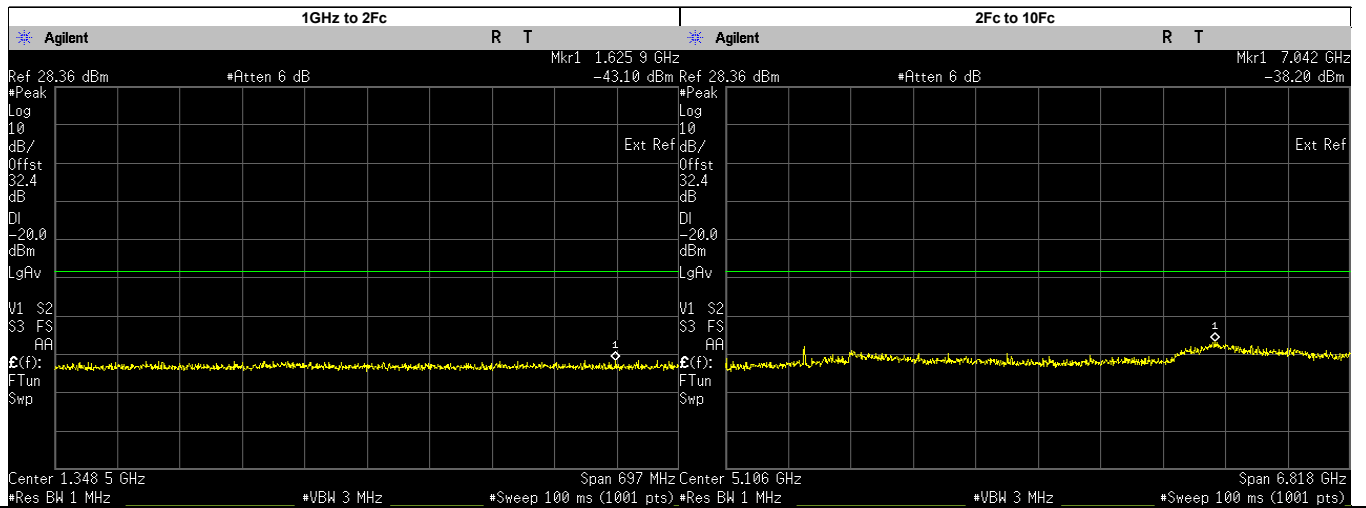
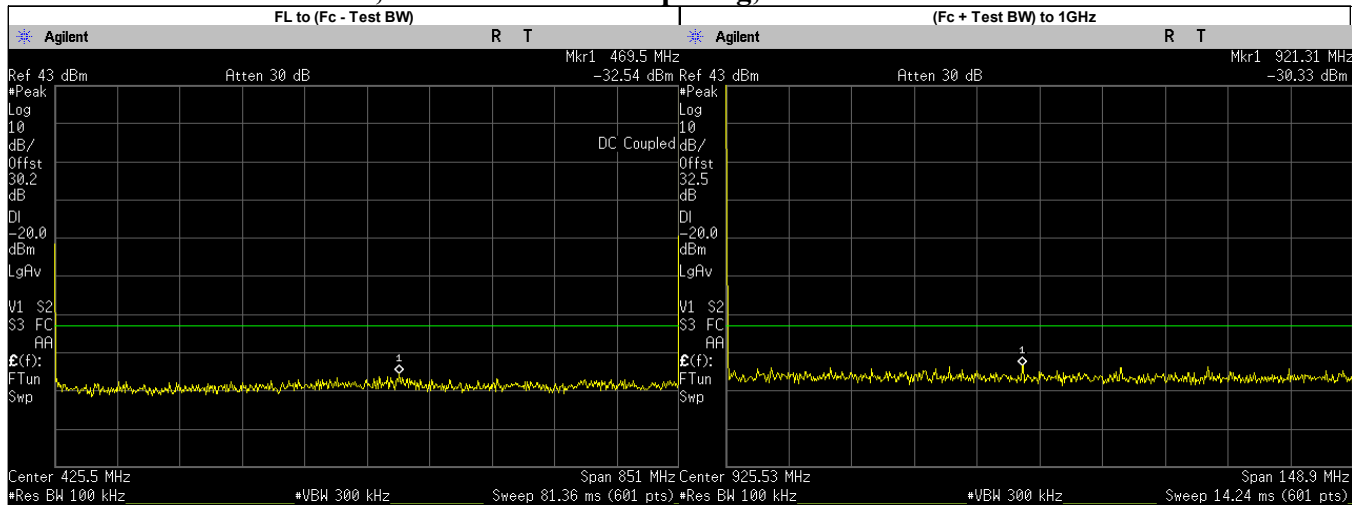
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	333.7000	-33.2100	-20.00	PASS
(Fc + Test BW) to 1GHz	907.6200	-30.4600	-20.00	PASS
1GHz to 2Fc	1583.8210	-42.5400	-20.00	PASS
2Fc to 10Fc	7043.3290	-38.5200	-20.00	PASS
	1647.9750	-44.0760	-20.00	PASS
	3295.9500	-42.5398	-20.00	PASS
	4119.9370	-43.1726	-20.00	PASS
	4943.9250	-44.0350	-20.00	PASS
	5767.9130	-43.5908	-20.00	PASS
	6591.9000	-44.1121	-20.00	PASS
	7415.8870	-41.0533	-20.00	PASS
	8239.8750	-41.3381	-20.00	PASS
	2471.9630	-39.1576	-20.00	PASS

Phase II.: 823.9875. 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)	336.5000	-32.7400	-20.00	PASS
(Fc + Test BW) to 1GHz	869.2600	-29.8800	-20.00	PASS
1GHz to 2Fc	1250.7600	-42.4600	-20.00	PASS
2Fc to 10Fc	7003.7180	-37.9400	-20.00	PASS
	1647.9750	-45.5630	-20.00	PASS
	2471.9630	-43.9956	-20.00	PASS
	3295.9500	-42.3853	-20.00	PASS
	4119.9370	-43.9603	-20.00	PASS
	4943.9250	-43.7340	-20.00	PASS
	5767.9130	-44.0297	-20.00	PASS
	6591.9000	-43.5148	-20.00	PASS
	7415.8870	-40.4515	-20.00	PASS
	8239.8750	-41.8997	-20.00	PASS

Phase II.: 851.0125. 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)	469.5000	-32.5400	-20.00	PASS
(Fc + Test BW) to 1GHz	921.3100	-30.3300	-20.00	PASS
1GHz to 2Fc	1625.9280	-43.1000	-20.00	PASS
2Fc to 10Fc	7042.4150	-38.2000	-20.00	PASS
	1702.0250	-43.2037	-20.00	PASS
	2553.0370	-40.0357	-20.00	PASS
	3404.0500	-41.9449	-20.00	PASS
	4255.0620	-43.0733	-20.00	PASS
	5106.0750	-43.6930	-20.00	PASS
	5957.0870	-43.6902	-20.00	PASS
	6808.1000	-41.0993	-20.00	PASS
	7659.1130	-41.1945	-20.00	PASS
	8510.1250	-41.6213	-20.00	PASS

Phase Noise: 148.9 MHz, 148.9 MHz Channel Spacing, 148.9 MHz Power

FL to (Fc - Test BW) (Fc + Test BW) to 1GHz

Agilent R T Agilent R T

Ref 43 dBm #Atten 30 dB Mkr1 148.9 MHz -33.34 dBm Ref 43 dBm #Atten 30 dB Mkr1 859.11 MHz -28.95 dBm

Peak Log 10 dB/ Offst 30 dB DC Coupled Ext Ref

DI -20.0 dBm LgAv

V1 S2 V1 S2

S3 FS S3 FS

AA AA

E(f): E(f):

F Tun F Tun

Swp Swp

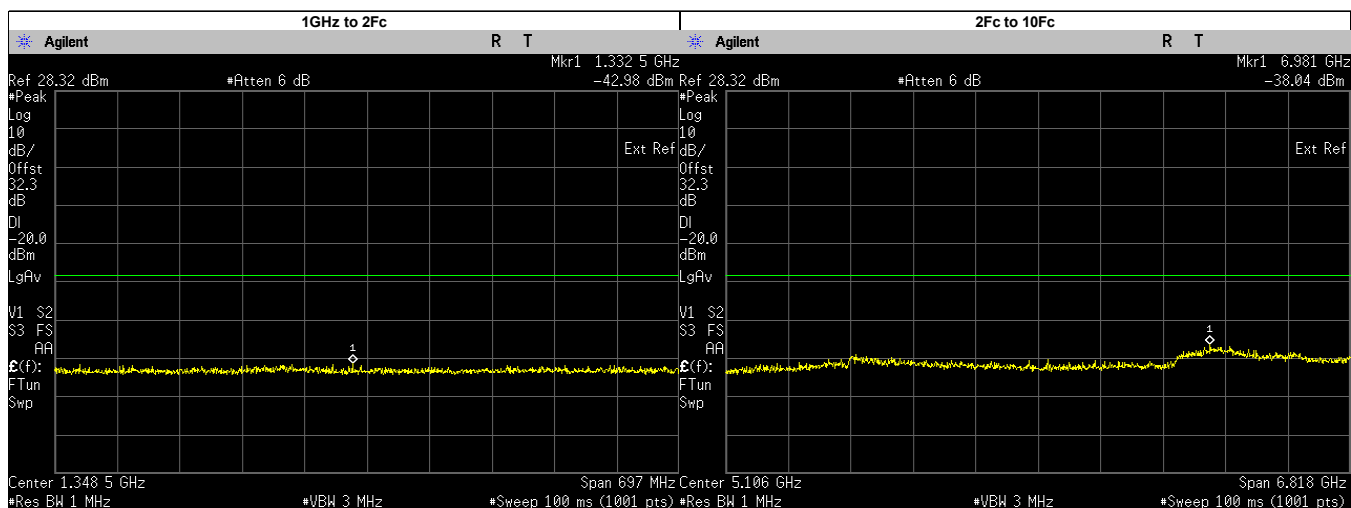
Center 425.5 MHz Center 925.53 MHz

#Res BW 100 kHz #Res BW 100 kHz

#VBW 300 kHz #VBW 300 kHz

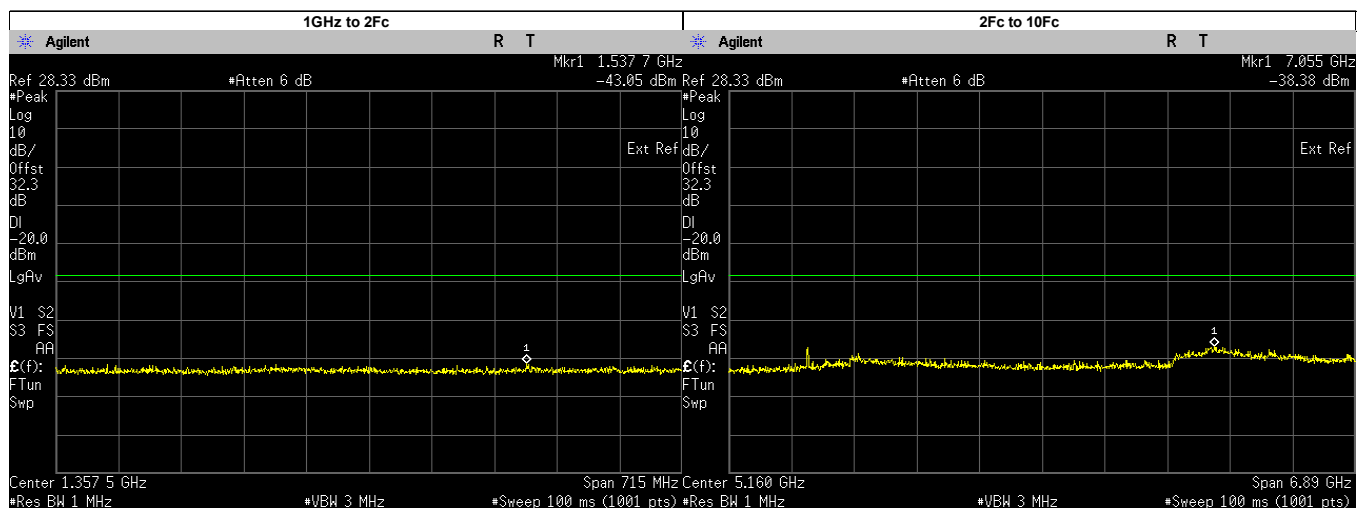
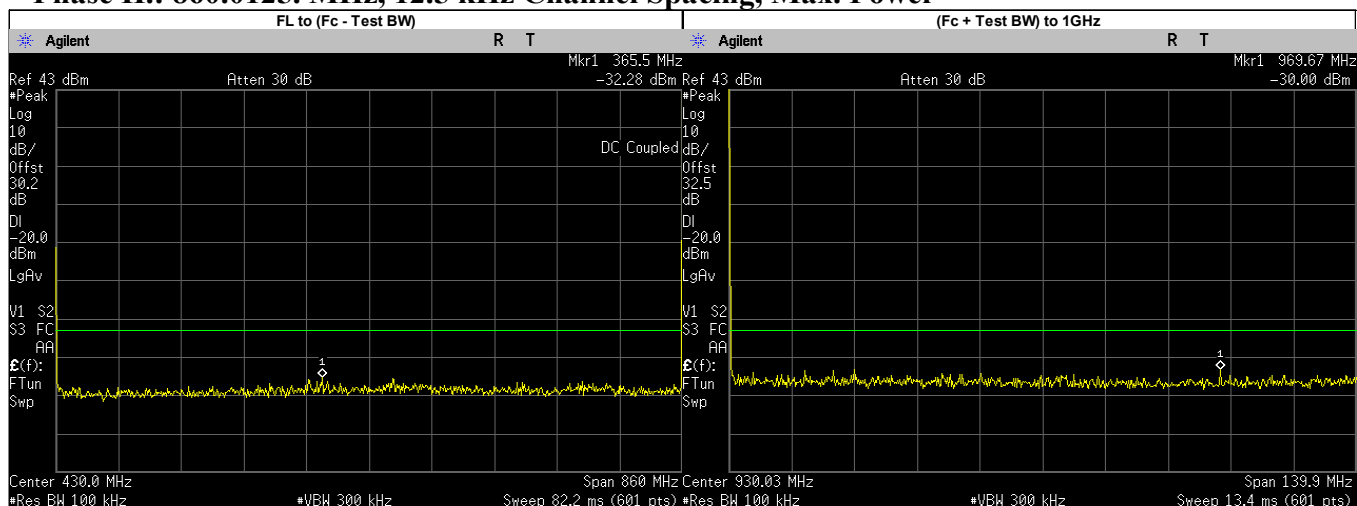
Sweep 81.33 ms (1001 pts) Sweep 14.27 ms (1001 pts)

Span 851 MHz Span 148.9 MHz



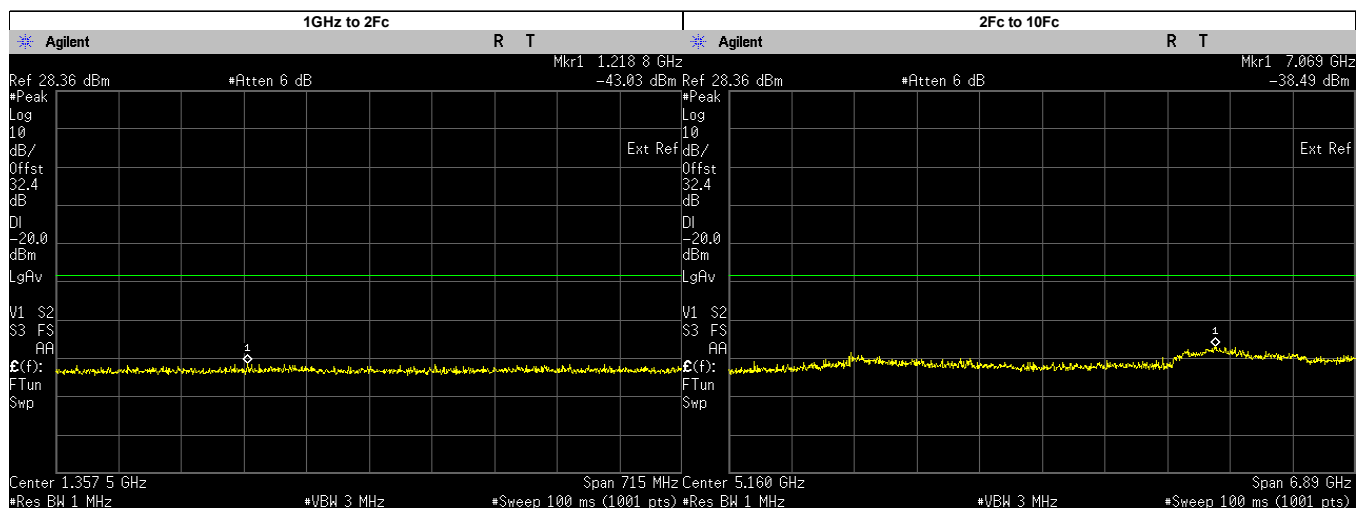
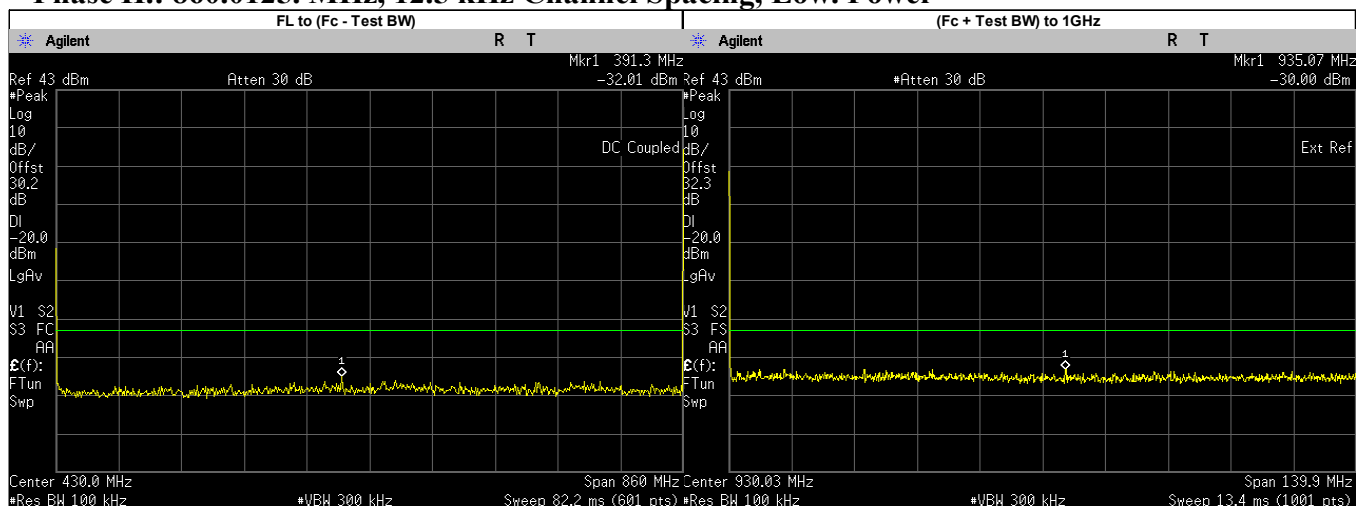
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	148.9000	-33.3400	-20.00	PASS
(Fc + Test BW) to 1GHz	859.1100	-28.9500	-20.00	PASS
1GHz to 2Fc	1332.4810	-42.9800	-20.00	PASS
2Fc to 10Fc	6981.0520	-38.0400	-20.00	PASS
	1702.0250	-45.0193	-20.00	PASS
	2553.0370	-44.0594	-20.00	PASS
	3404.0500	-43.1356	-20.00	PASS
	4255.0620	-43.0526	-20.00	PASS
	5106.0750	-44.1440	-20.00	PASS
	5957.0870	-43.9497	-20.00	PASS
	6808.1000	-40.5533	-20.00	PASS
	7659.1130	-41.6777	-20.00	PASS
	8510.1250	-41.6303	-20.00	PASS

Phase II.: 860.0125. MHz, 12.5 kHz Channel Spacing, Max. Power



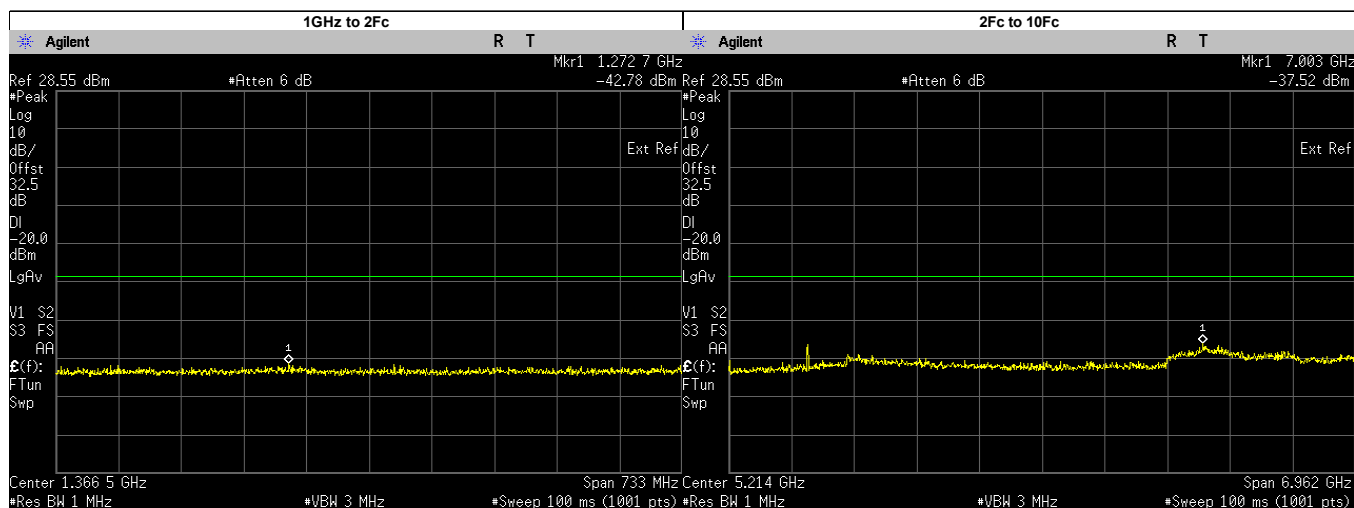
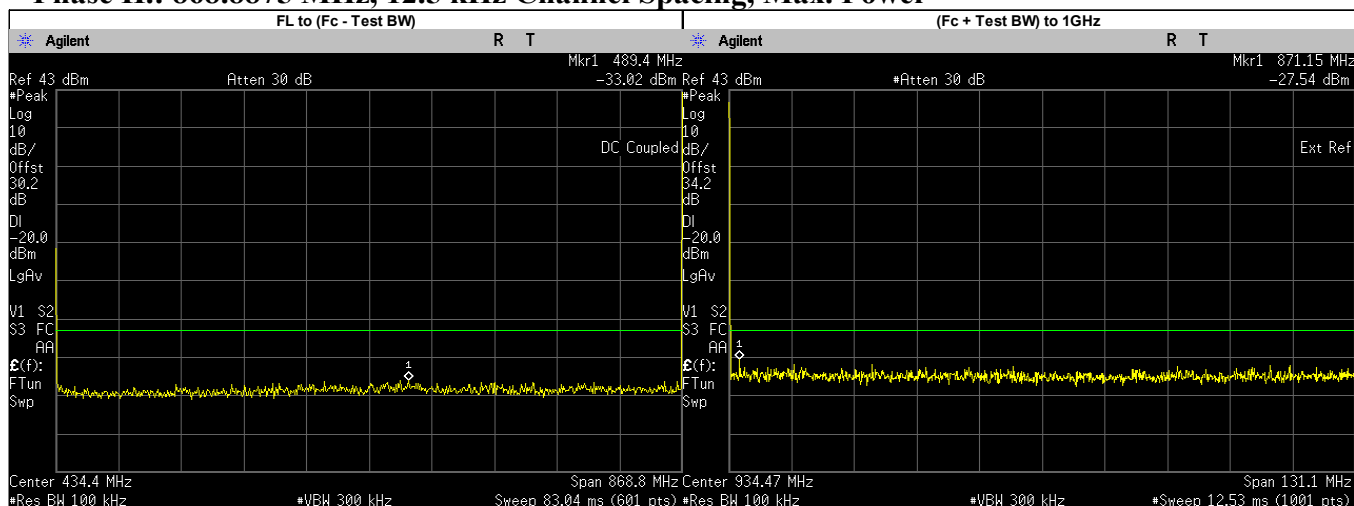
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	365.5000	-32.2800	-20.00	PASS
(Fc + Test BW) to 1GHz	969.6700	-30.0000	-20.00	PASS
1GHz to 2Fc	1537.6990	-43.0500	-20.00	PASS
2Fc to 10Fc	7054.8520	-38.3800	-20.00	PASS
	1720.0250	-44.5202	-20.00	PASS
	3440.0500	-43.2529	-20.00	PASS
	4300.0620	-43.6073	-20.00	PASS
	5160.0750	-44.6160	-20.00	PASS
	6020.0870	-44.3746	-20.00	PASS
	6880.1000	-40.3433	-20.00	PASS
	7740.1130	-40.8710	-20.00	PASS
	8600.1250	-42.3302	-20.00	PASS
	2580.0370	-38.8982	-20.00	PASS

Phase II.: 860.0125. MHz, 12.5 kHz Channel Spacing, Low. Power



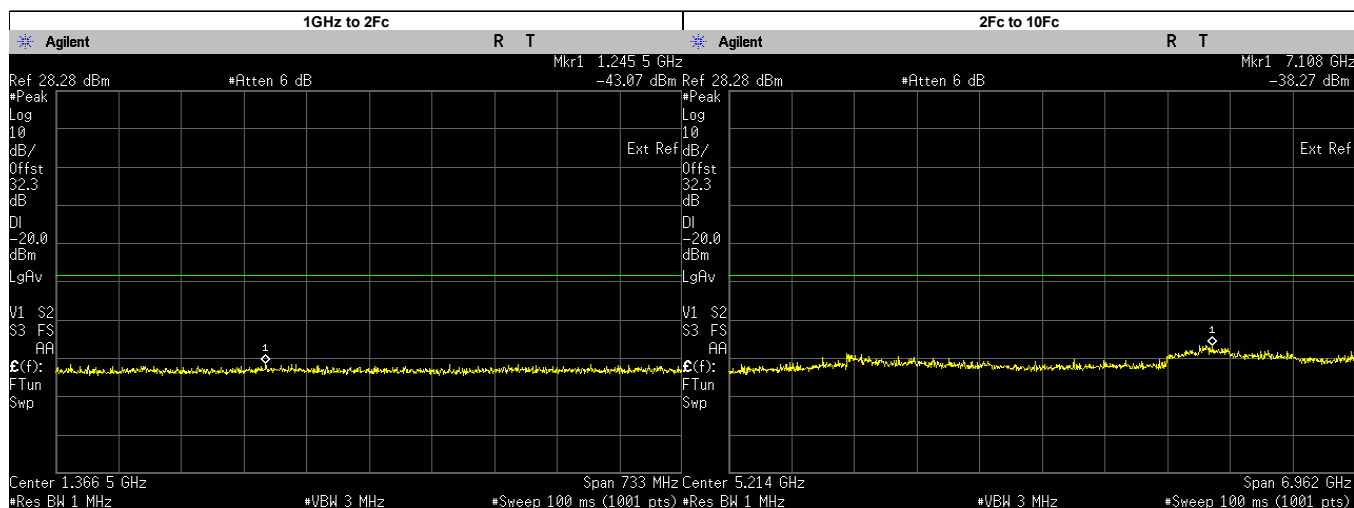
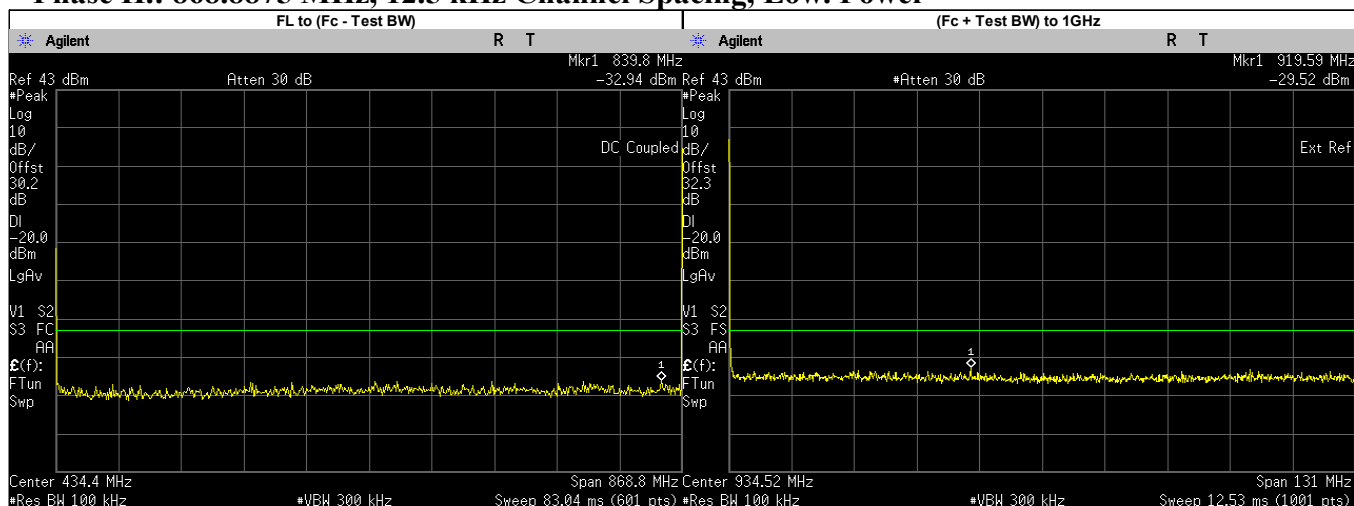
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	391.3000	-32.0100	-20.00	PASS
(Fc + Test BW) to 1GHz	935.0700	-30.0000	-20.00	PASS
1GHz to 2Fc	1218.7980	-43.0300	-20.00	PASS
2Fc to 10Fc	7068.6330	-38.4900	-20.00	PASS
	1720.0250	-45.2448	-20.00	PASS
	2580.0370	-44.3430	-20.00	PASS
	3440.0500	-42.8236	-20.00	PASS
	4300.0620	-43.6197	-20.00	PASS
	5160.0750	-43.8440	-20.00	PASS
	6020.0870	-42.9670	-20.00	PASS
	6880.1000	-40.3901	-20.00	PASS
	7740.1130	-40.8107	-20.00	PASS
	8600.1250	-41.5254	-20.00	PASS

Phase II.: 868.8875 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)	467.4000	-30.43	-20	PASS
(Fc + Test BW) to 1GHz	871.1500	-27.54	-20	PASS
1GHz to 2Fc	1272.6670	-42.78	-20	PASS
2Fc to 10Fc	7003.1330	-37.52	-20	PASS
	1737.9750	-42.68	-20	PASS
	3475.9500	-42.46	-20	PASS
	4344.9370	-43.56	-20	PASS
	5213.9250	-43.48	-20	PASS
	6082.9130	-43.48	-20	PASS
	7820.8870	-40.53	-20	PASS
	8689.8750	-40.88	-20	PASS
	2606.9630	-38.19	-20	PASS
	6951.9000	-39.88	-20	PASS

Phase II.: 868.8875 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)	38.2000	-35.17	-20	PASS
(Fc + Test BW) to 1GHz	919.5890	-29.52	-20	PASS
1GHz to 2Fc	1245.5470	-43.07	-20	PASS
2Fc to 10Fc	7107.5620	-38.27	-20	PASS
	1737.9750	-45.43	-20	PASS
	2606.9630	-44.02	-20	PASS
	3475.9500	-42.48	-20	PASS
	4344.9370	-43.04	-20	PASS
	5213.9250	-44.65	-20	PASS
	6082.9130	-44.32	-20	PASS
	6951.9000	-40.33	-20	PASS
	7820.8870	-40.90	-20	PASS
	8689.8750	-41.75	-20	PASS

6.10.4. Test Limit

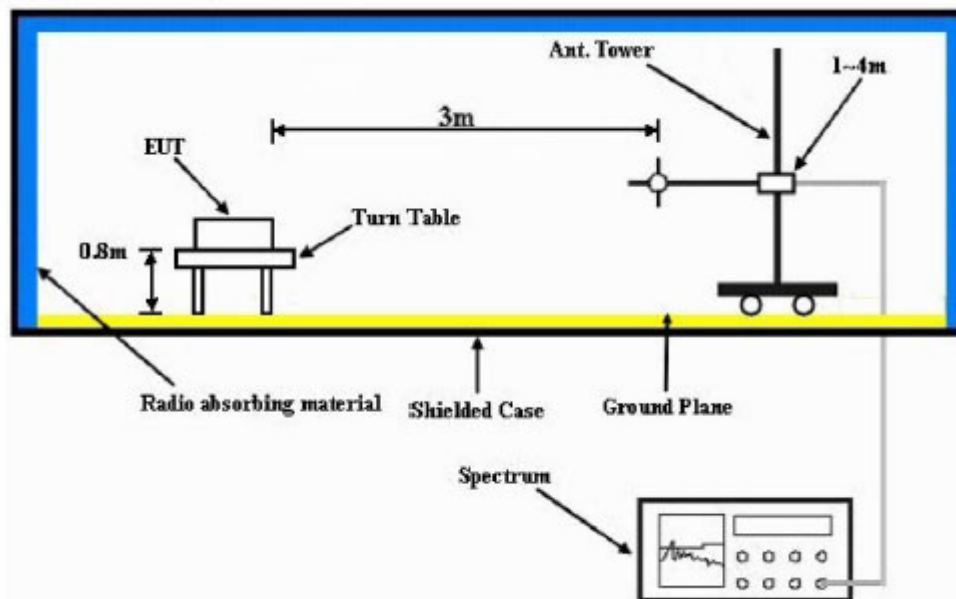
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	$43 + \log_{10}(P)$ (-13 dBm)	$43 + \log_{10}(P)$ (-13 dBm)	$43 + \log_{10}(P)$ (-13 dBm)	Not Applicable	$50 + \log_{10}(P)$ (-20 dBm)	$43 + \log_{10}(P)$ (-13 dBm)
25kHz		Not Applicable		$43 + \log_{10}(P)$ (-13 dBm)	$43 + \log_{10}(P)$ (-13 dBm)	$43 + \log_{10}(P)$ (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	$43 + \log_{10}(P)$ (-13 dBm)	Not Applicable	$50 + \log_{10}(P)$ (-20 dBm)	$43 + \log_{10}(P)$ (-13 dBm)
25kHz	Not Applicable	$43 + \log_{10}(P)$ (-13 dBm)	$43 + \log_{10}(P)$ (-13 dBm)	$43 + \log_{10}(P)$ (-13 dBm)

6.11. Radiated Spurious Emission

6.11.1. Test Setup



- 1) The Resolution Bandwidth for scanning Radiated Emission below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector mode is positive peak.
- 2) In the semi- anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height (for $F_c < 1\text{GHz}$) or 1.5m height (for $F_c > 1\text{GHz}$) of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
- 3) The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.
- 4) Final Radiated Spurious Emission = “Read Value” + Measured substitution value.

6.11.2. Test Result (Analog)

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX Analog

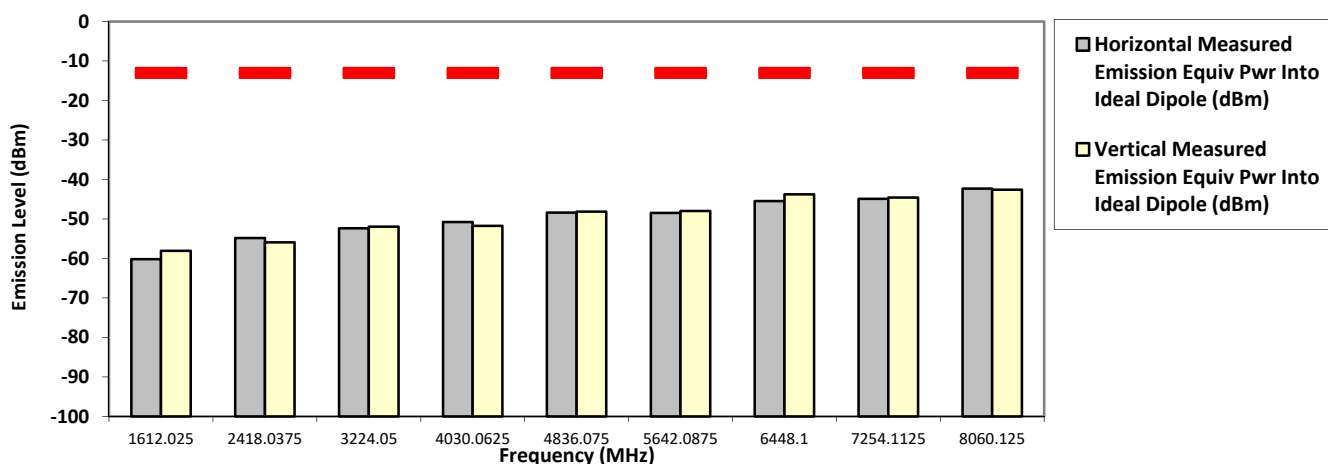
806.012500 MHz

25 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-60.1665 **	-58.0912 **
2418.0375	-13.0000	-54.8452 **	-55.9323 **
3224.0500	-13.0000	-52.3705 **	-51.9686 **
4030.0625	-13.0000	-50.7897 **	-51.7425 **
4836.0750	-13.0000	-48.3881 **	-48.1362 **
5642.0875	-13.0000	-48.4589 **	-47.9705 **
6448.1000	-13.0000	-45.4864 **	-43.7790 **
7254.1125	-13.0000	-44.9250 **	-44.6010 **
8060.1250	-13.0000	-42.2996 **	-42.5788 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

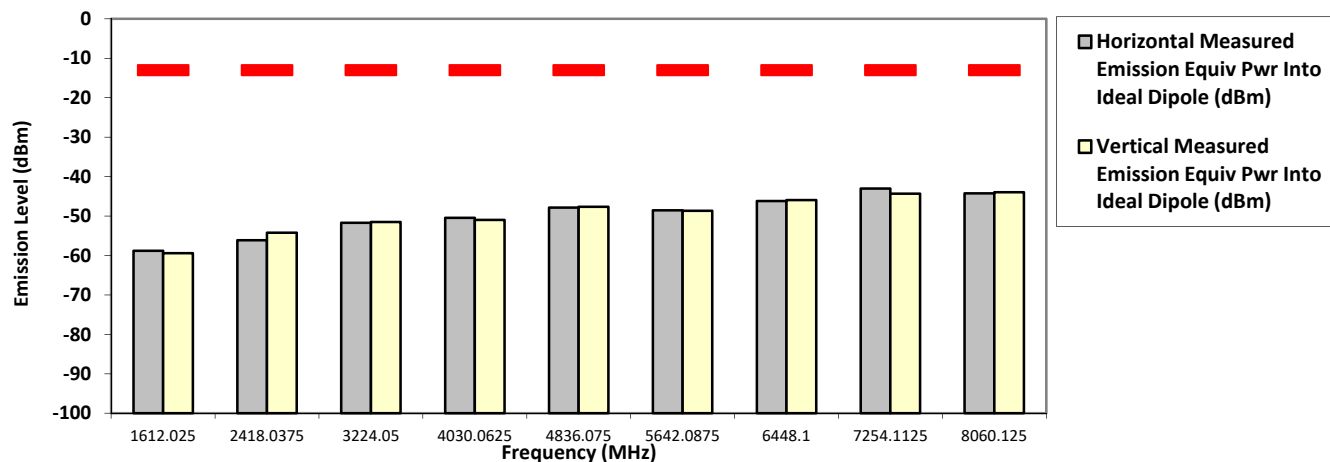
SAC Transmitter Radiated Emission:

S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

806.012500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-58.8098 **	-59.4106 **
2418.0375	-13.0000	-56.1581 **	-54.2169 **
3224.0500	-13.0000	-51.7312 **	-51.5184 **
4030.0625	-13.0000	-50.4522 **	-51.0089 **
4836.0750	-13.0000	-47.8575 **	-47.6531 **
5642.0875	-13.0000	-48.5504 **	-48.6733 **
6448.1000	-13.0000	-46.1858 **	-45.9609 **
7254.1125	-13.0000	-43.0447 **	-44.3503 **
8060.1250	-13.0000	-44.2590 **	-43.9514 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

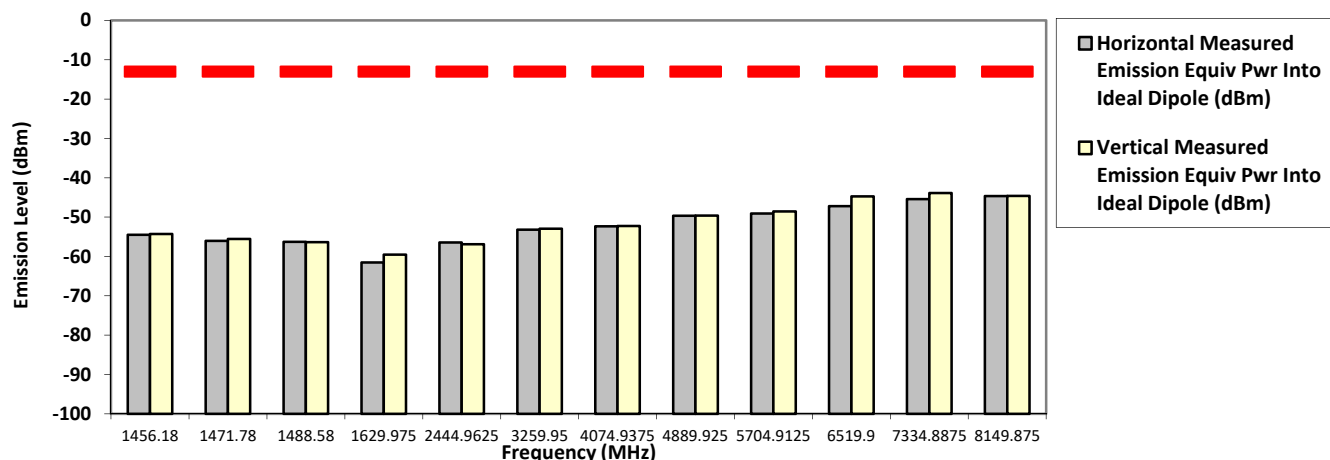
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:**03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1,
HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Analog
814.987500 MHz **25 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1456.1800	-13.0000	-54.5000 *	-54.3100 *
1471.7800	-13.0000	-56.0400 *	-55.5600 *
1488.5800	-13.0000	-56.3000 *	-56.3700 *
1629.9750	-13.0000	-61.5459 **	-59.5417 **
2444.9625	-13.0000	-56.4632 **	-56.9078 **
3259.9500	-13.0000	-53.1863 **	-52.9531 **
4074.9375	-13.0000	-52.3258 **	-52.2766 **
4889.9250	-13.0000	-49.6662 **	-49.6320 **
5704.9125	-13.0000	-49.0931 **	-48.5445 **
6519.9000	-13.0000	-47.2141 **	-44.7289 **
7334.8875	-13.0000	-45.4399 **	-43.8798 **
8149.8750	-13.0000	-44.6523 **	-44.6256 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman Sat, 19 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

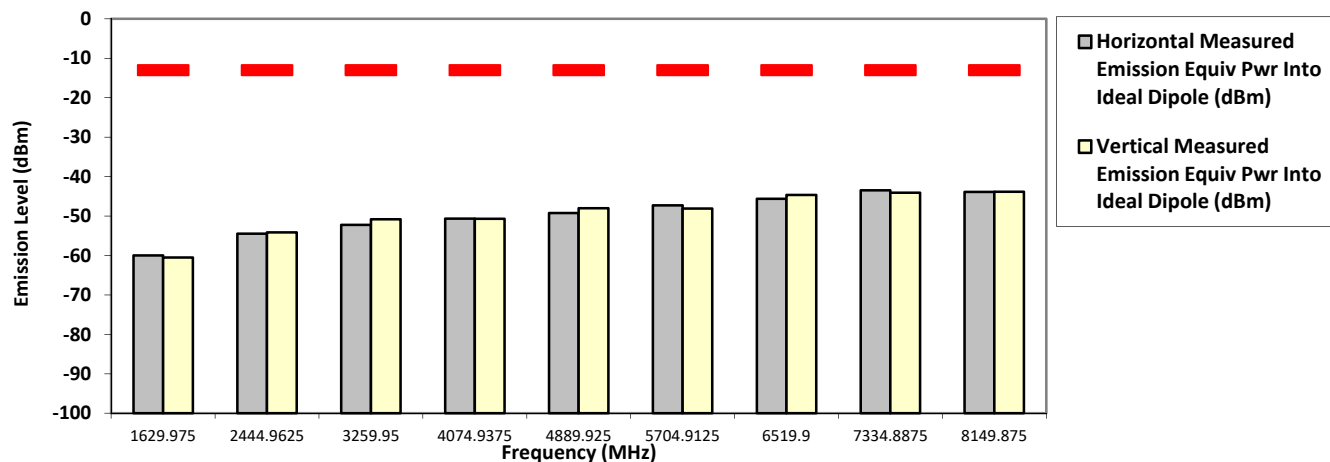
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

SR:03466-EMC-00198

814.987500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-59.9762 **	-60.5228 **
2444.9625	-13.0000	-54.4718 **	-54.1574 **
3259.9500	-13.0000	-52.2580 **	-50.8317 **
4074.9375	-13.0000	-50.6508 **	-50.7027 **
4889.9250	-13.0000	-49.2254 **	-48.0382 **
5704.9125	-13.0000	-47.3040 **	-48.0882 **
6519.9000	-13.0000	-45.6240 **	-44.6548 **
7334.8875	-13.0000	-43.4751 **	-44.0985 **
8149.8750	-13.0000	-43.8694 **	-43.8296 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

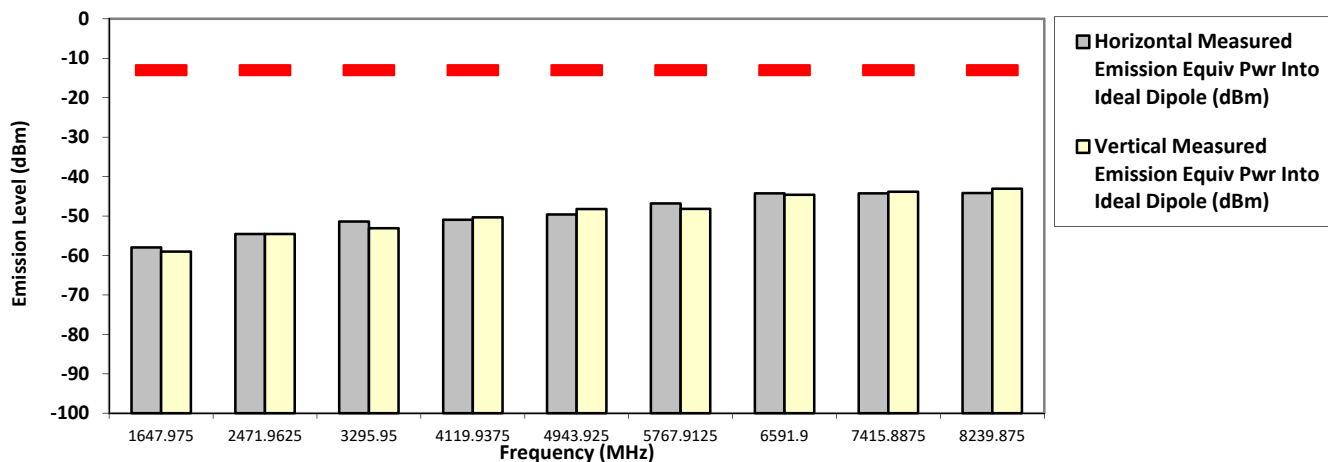
SAC Transmitter Radiated Emission:

S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
42.000 Watt(s) /Max Power

823.987500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-57.9561 **	-59.0091 **
2471.9625	-13.0000	-54.5713 **	-54.5644 **
3295.9500	-13.0000	-51.3922 **	-53.1091 **
4119.9375	-13.0000	-50.9630 **	-50.3245 **
4943.9250	-13.0000	-49.6211 **	-48.2457 **
5767.9125	-13.0000	-46.8249 **	-48.2084 **
6591.9000	-13.0000	-44.2566 **	-44.6336 **
7415.8875	-13.0000	-44.2665 **	-43.8485 **
8239.8750	-13.0000	-44.1720 **	-43.0863 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

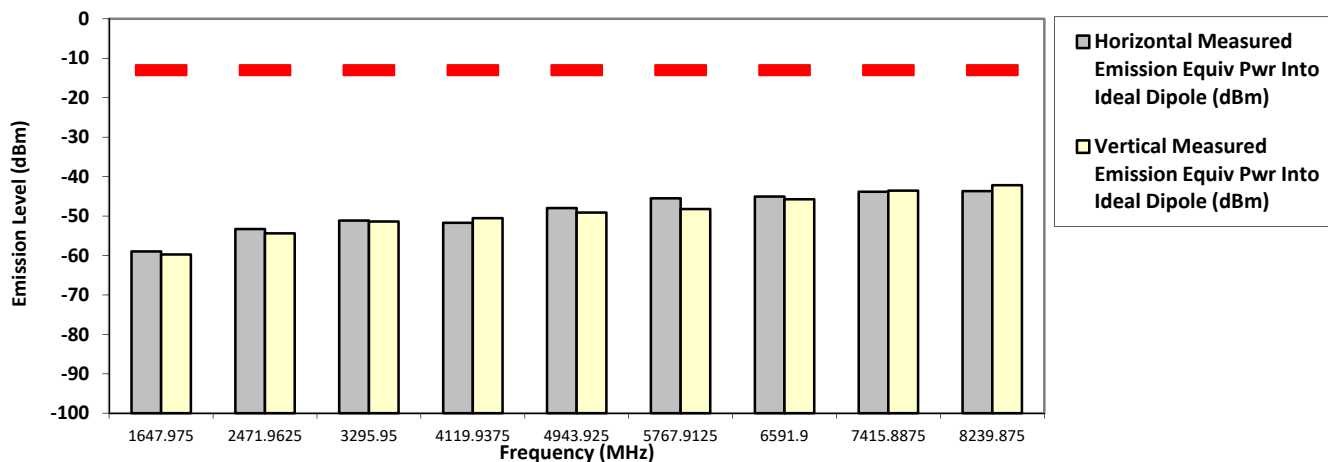
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

SR:03466-EMC-00198

823.987500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-58.9692 **	-59.7497 **
2471.9625	-13.0000	-53.2972 **	-54.3798 **
3295.9500	-13.0000	-51.1571 **	-51.4080 **
4119.9375	-13.0000	-51.7122 **	-50.5366 **
4943.9250	-13.0000	-47.9700 **	-49.1177 **
5767.9125	-13.0000	-45.5024 **	-48.2146 **
6591.9000	-13.0000	-45.0648 **	-45.7647 **
7415.8875	-13.0000	-43.8578 **	-43.5560 **
8239.8750	-13.0000	-43.6768 **	-42.1721 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

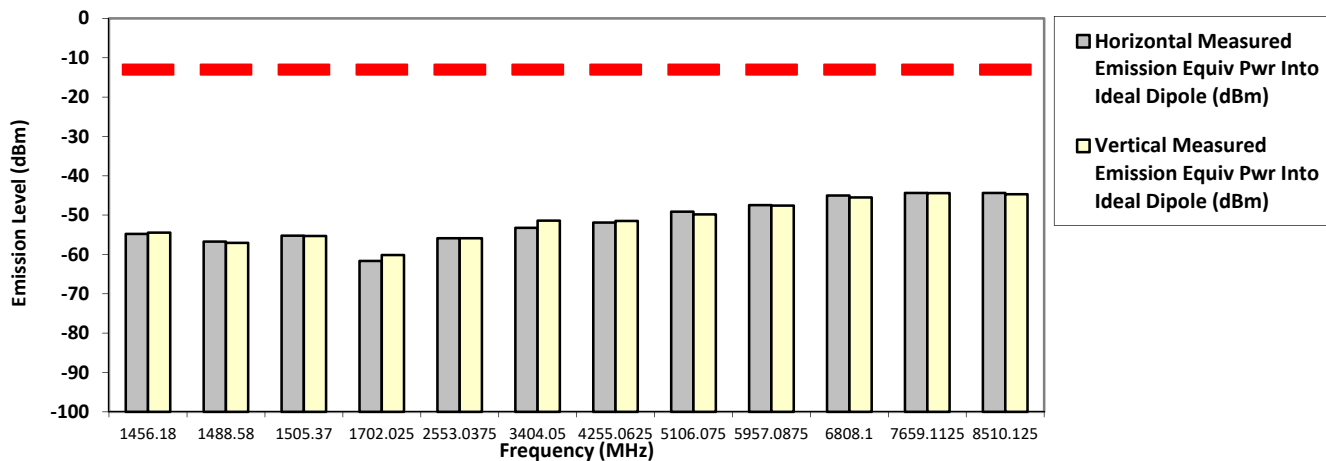
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:**03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1,
HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Analog
851.012500 MHz **25 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1456.1800	-13.0000	-54.8000 *	-54.4700 *
1488.5800	-13.0000	-56.7400 *	-57.0800 *
1505.3700	-13.0000	-55.2200 *	-55.3000 *
1702.0250	-13.0000	-61.6688 **	-60.1591 **
2553.0375	-13.0000	-55.8779 **	-55.8842 **
3404.0500	-13.0000	-53.2308 **	-51.4131 **
4255.0625	-13.0000	-51.8813 **	-51.4718 **
5106.0750	-13.0000	-49.1169 **	-49.8361 **
5957.0875	-13.0000	-47.4731 **	-47.5677 **
6808.1000	-13.0000	-45.0384 **	-45.5095 **
7659.1125	-13.0000	-44.3520 **	-44.4040 **
8510.1250	-13.0000	-44.3827 **	-44.6917 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman Sat, 19 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

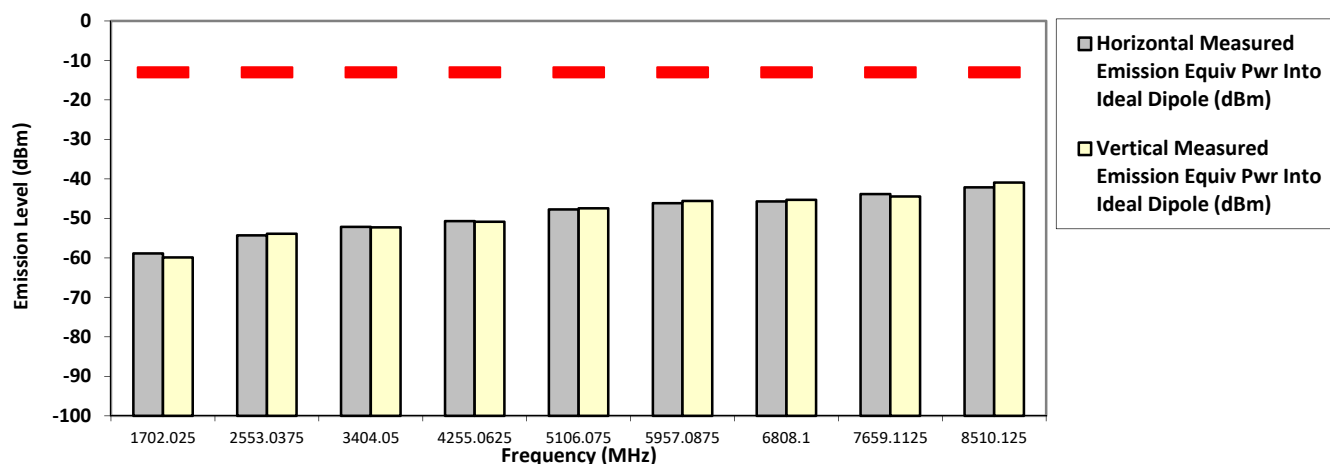
SAC Transmitter Radiated Emission:

S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

851.012500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1702.0250	-13.0000	-58.8773 **	-59.8934 **
2553.0375	-13.0000	-54.2865 **	-53.8994 **
3404.0500	-13.0000	-52.1398 **	-52.2944 **
4255.0625	-13.0000	-50.7091 **	-50.8548 **
5106.0750	-13.0000	-47.7428 **	-47.4471 **
5957.0875	-13.0000	-46.1612 **	-45.5938 **
6808.1000	-13.0000	-45.7239 **	-45.2977 **
7659.1125	-13.0000	-43.8320 **	-44.4652 **
8510.1250	-13.0000	-42.1661 **	-40.9331 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

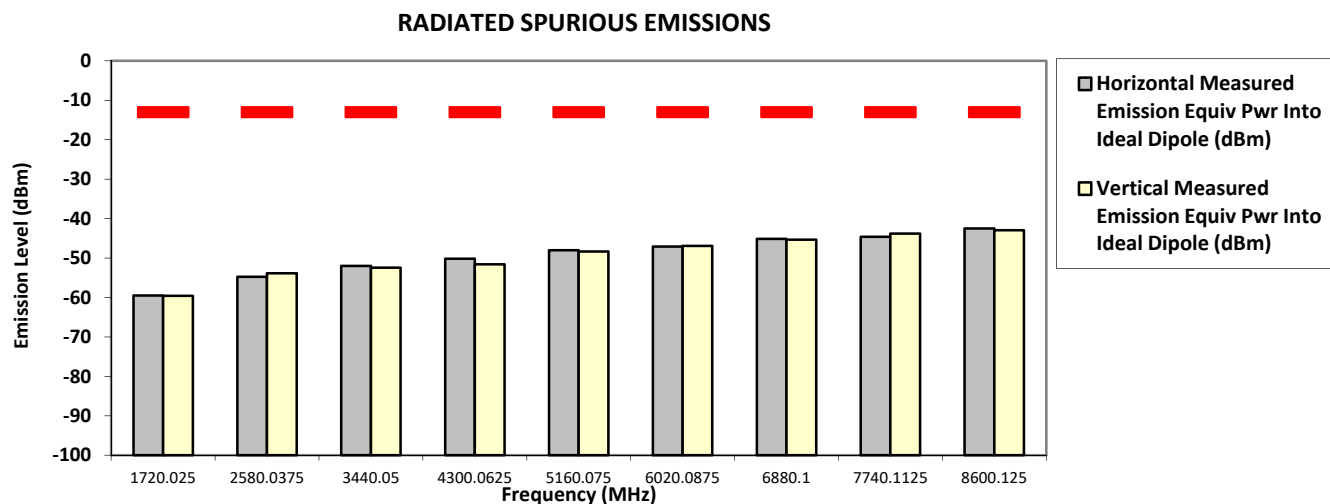
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN **S/N: 681TXT7177** **SR:03466-EMC-00198**
Battery Part No: NA **Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C**
SAC Transmitter Radiated Emission: **Test Mode: TX Analog**
860.012500 MHz **25 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-59.5053 **	-59.6079 **
2580.0375	-13.0000	-54.7743 **	-53.8779 **
3440.0500	-13.0000	-52.0034 **	-52.4331 **
4300.0625	-13.0000	-50.1968 **	-51.6021 **
5160.0750	-13.0000	-48.0202 **	-48.3691 **
6020.0875	-13.0000	-47.1144 **	-46.9316 **
6880.1000	-13.0000	-45.1600 **	-45.3584 **
7740.1125	-13.0000	-44.6065 **	-43.8172 **
8600.1250	-13.0000	-42.5102 **	-42.9397 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

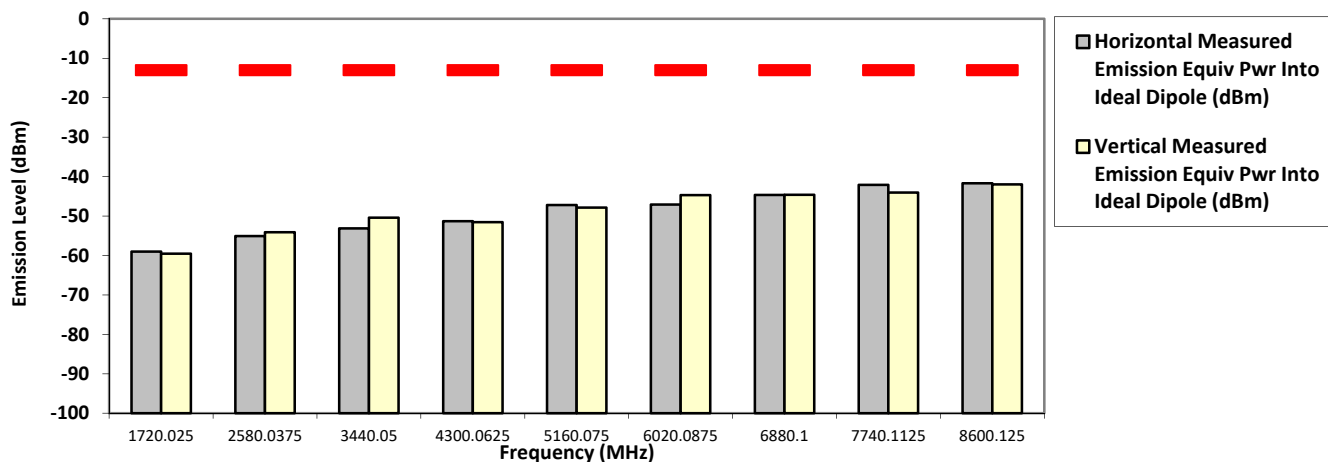
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

SR:03466-EMC-00198

860.012500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-59.0149 **	-59.5335 **
2580.0375	-13.0000	-55.0724 **	-54.1078 **
3440.0500	-13.0000	-53.1421 **	-50.4323 **
4300.0625	-13.0000	-51.3333 **	-51.5370 **
5160.0750	-13.0000	-47.2234 **	-47.8731 **
6020.0875	-13.0000	-47.0833 **	-44.7209 **
6880.1000	-13.0000	-44.6482 **	-44.6348 **
7740.1125	-13.0000	-42.1182 **	-44.0532 **
8600.1250	-13.0000	-41.7003 **	-42.0018 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

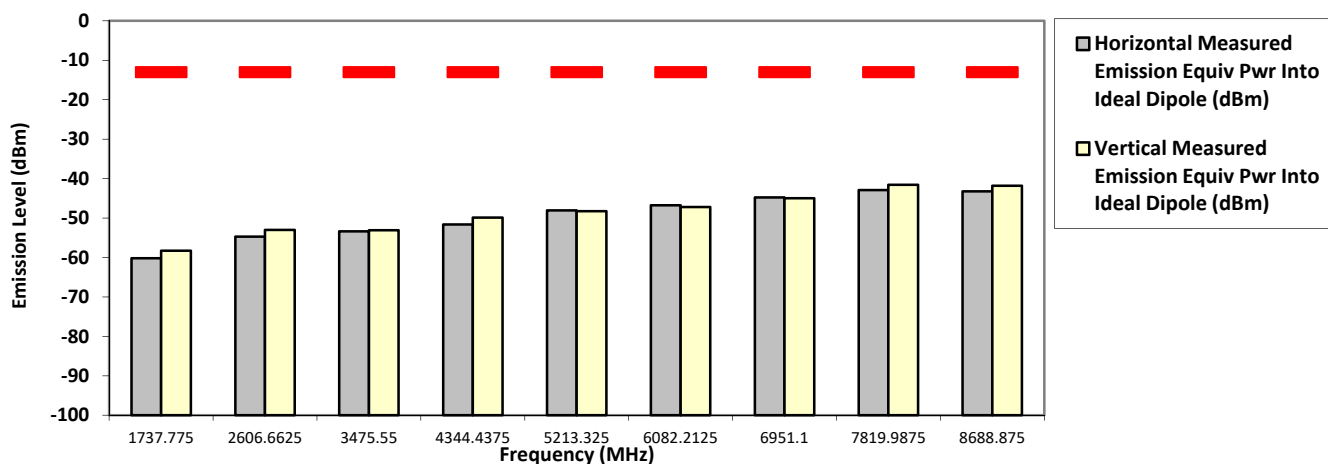
SAC Transmitter Radiated Emission:

S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
42.000 Watt(s) /Max Power

868.887500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-60.1990 **	-58.2771 **
2606.6625	-13.0000	-54.7082 **	-53.0075 **
3475.5500	-13.0000	-53.3839 **	-53.0993 **
4344.4375	-13.0000	-51.6316 **	-49.9072 **
5213.3250	-13.0000	-48.0615 **	-48.2853 **
6082.2125	-13.0000	-46.7727 **	-47.1968 **
6951.1000	-13.0000	-44.7946 **	-44.9730 **
7819.9875	-13.0000	-42.9338 **	-41.5607 **
8688.8750	-13.0000	-43.2320 **	-41.8351 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

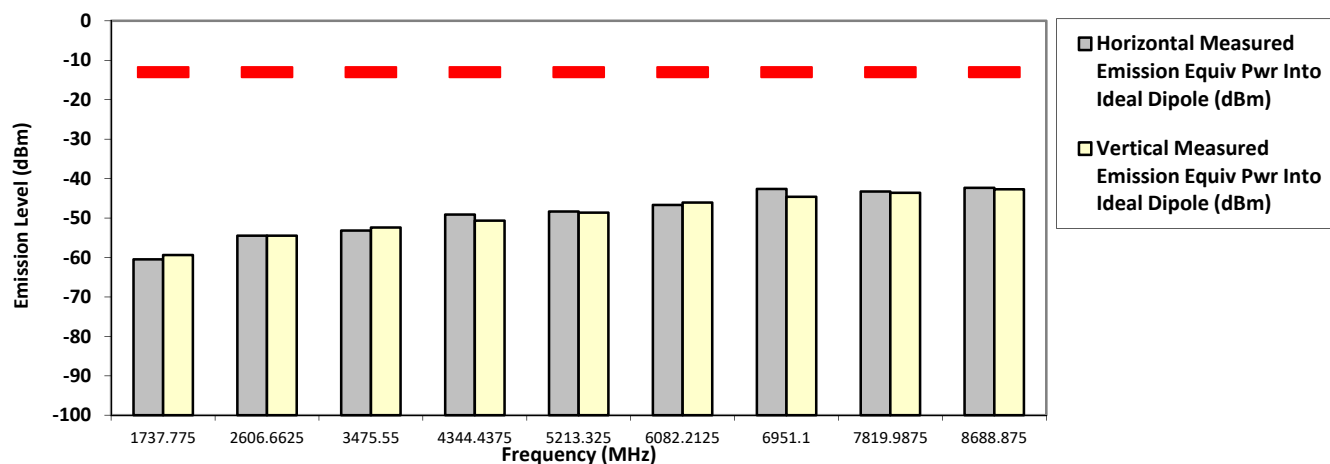
SAC Transmitter Radiated Emission:

S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

868.887500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-60.4793 **	-59.3768 **
2606.6625	-13.0000	-54.4574 **	-54.4678 **
3475.5500	-13.0000	-53.1731 **	-52.4054 **
4344.4375	-13.0000	-49.1137 **	-50.6670 **
5213.3250	-13.0000	-48.3497 **	-48.6346 **
6082.2125	-13.0000	-46.6994 **	-46.0936 **
6951.1000	-13.0000	-42.6311 **	-44.6314 **
7819.9875	-13.0000	-43.2683 **	-43.6226 **
8688.8750	-13.0000	-42.3279 **	-42.7127 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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6.11.3. Test Result (Digital)

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

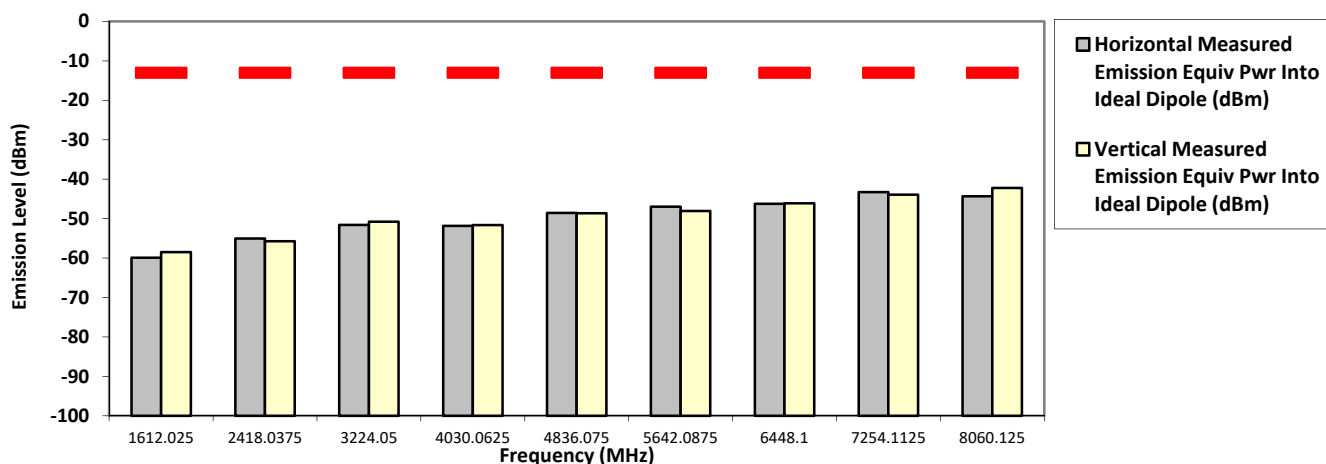
806.012500 MHz

12.5 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-59.9324 **	-58.4819 **
2418.0375	-13.0000	-55.0556 **	-55.7536 **
3224.0500	-13.0000	-51.6123 **	-50.7688 **
4030.0625	-13.0000	-51.8277 **	-51.6240 **
4836.0750	-13.0000	-48.5438 **	-48.6534 **
5642.0875	-13.0000	-46.9750 **	-48.0764 **
6448.1000	-13.0000	-46.2319 **	-46.1028 **
7254.1125	-13.0000	-43.2636 **	-43.9197 **
8060.1250	-13.0000	-44.3555 **	-42.2451 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

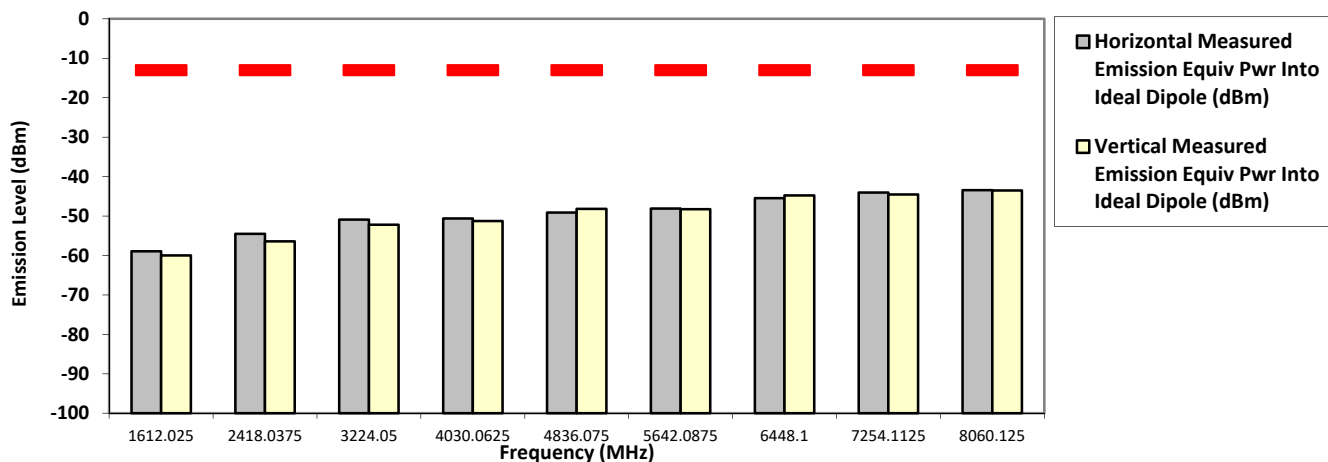
806.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-58.9492 **	-60.0007 **
2418.0375	-13.0000	-54.5160 **	-56.4417 **
3224.0500	-13.0000	-50.9254 **	-52.1868 **
4030.0625	-13.0000	-50.6260 **	-51.2877 **
4836.0750	-13.0000	-49.1273 **	-48.1702 **
5642.0875	-13.0000	-48.0978 **	-48.2653 **
6448.1000	-13.0000	-45.4908 **	-44.7779 **
7254.1125	-13.0000	-44.0684 **	-44.5183 **
8060.1250	-13.0000	-43.4522 **	-43.5407 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

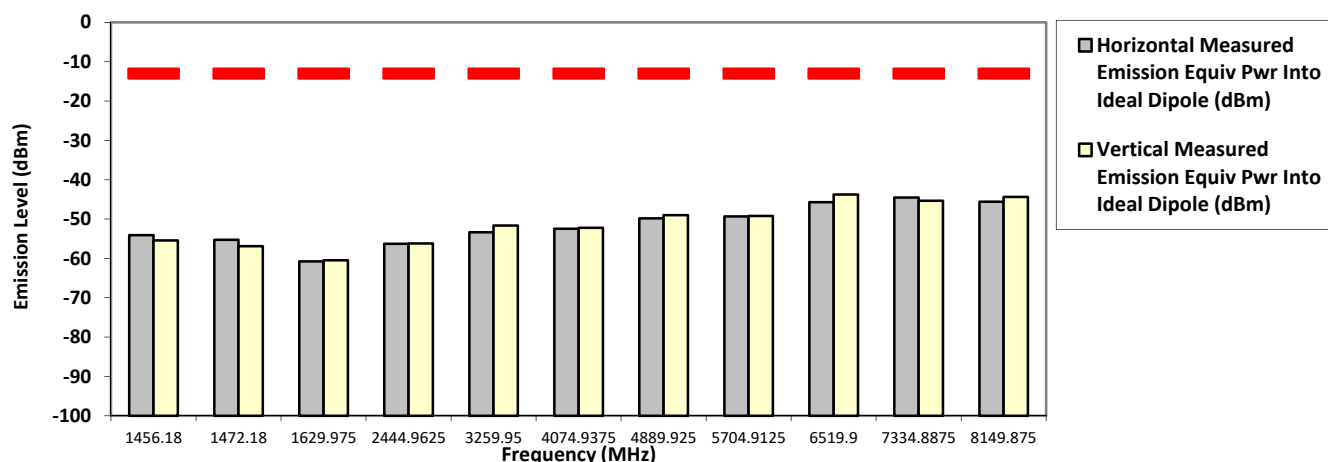
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Digital
814.987500 MHz (For FCC Only) **12.5 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1456.1800	-13.0000	-54.0900 *	-55.4200 *
1472.1800	-13.0000	-55.2600 *	-56.9000 *
1629.9750	-13.0000	-60.7741 **	-60.4655 **
2444.9625	-13.0000	-56.3007 **	-56.2137 **
3259.9500	-13.0000	-53.3653 **	-51.6551 **
4074.9375	-13.0000	-52.4800 **	-52.2210 **
4889.9250	-13.0000	-49.8260 **	-49.0237 **
5704.9125	-13.0000	-49.3434 **	-49.2043 **
6519.9000	-13.0000	-45.6971 **	-43.7463 **
7334.8875	-13.0000	-44.5138 **	-45.3290 **
8149.8750	-13.0000	-45.6109 **	-44.3874 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Faris Sun, 20 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

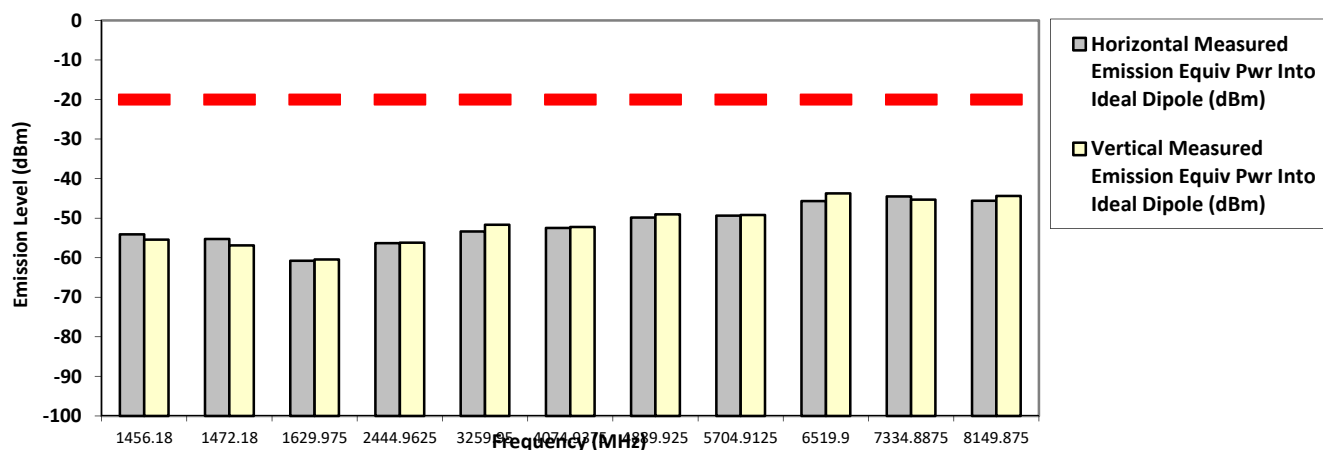
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Digital
814.987500 MHz (For IC only) **12.5 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1456.1800	-20.0000	-54.0900 *	-55.4200 *
1472.1800	-20.0000	-55.2600 *	-56.9000 *
1629.9750	-20.0000	-60.7741 **	-60.4655 **
2444.9625	-20.0000	-56.3007 **	-56.2137 **
3259.9500	-20.0000	-53.3653 **	-51.6551 **
4074.9375	-20.0000	-52.4800 **	-52.2210 **
4889.9250	-20.0000	-49.8260 **	-49.0237 **
5704.9125	-20.0000	-49.3434 **	-49.2043 **
6519.9000	-20.0000	-45.6971 **	-43.7463 **
7334.8875	-20.0000	-44.5138 **	-45.3290 **
8149.8750	-20.0000	-45.6109 **	-44.3874 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Faris Sun, 20 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

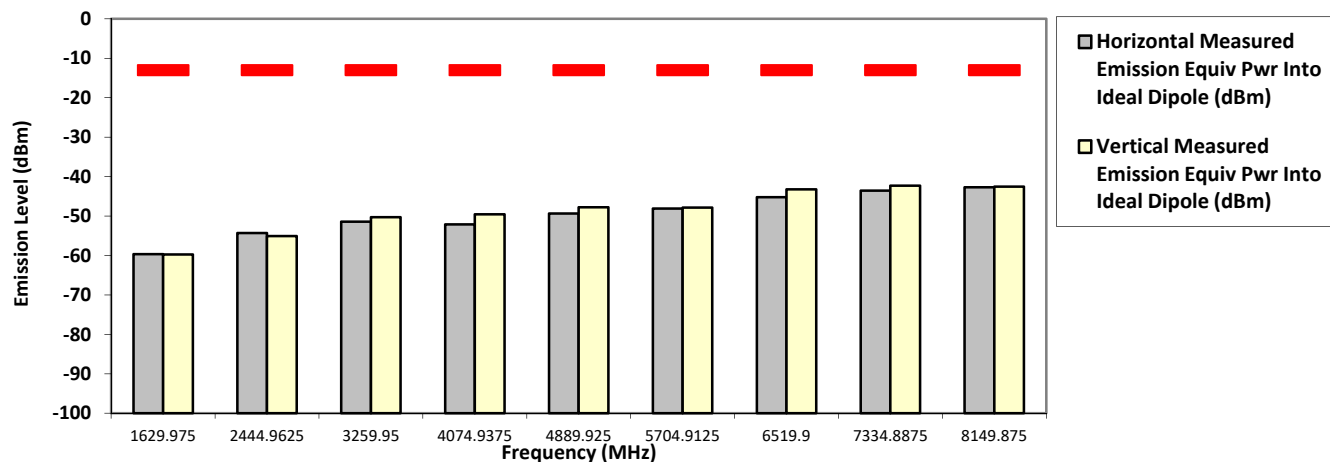
814.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-59.6671 **	-59.7611 **
2444.9625	-13.0000	-54.3298 **	-55.0983 **
3259.9500	-13.0000	-51.4337 **	-50.2840 **
4074.9375	-13.0000	-52.1043 **	-49.5601 **
4889.9250	-13.0000	-49.3831 **	-47.7776 **
5704.9125	-13.0000	-48.1192 **	-47.8740 **
6519.9000	-13.0000	-45.2402 **	-43.2432 **
7334.8875	-13.0000	-43.5686 **	-42.3262 **
8149.8750	-13.0000	-42.7052 **	-42.5701 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

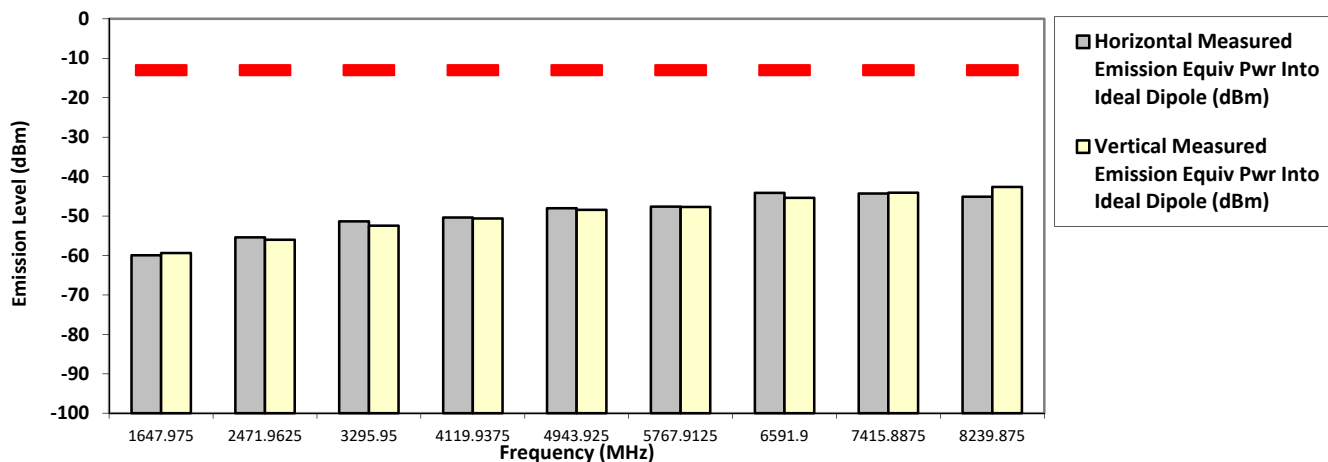
823.987500 MHz

12.5 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-59.9647 **	-59.3682 **
2471.9625	-13.0000	-55.3967 **	-56.0303 **
3295.9500	-13.0000	-51.3612 **	-52.4487 **
4119.9375	-13.0000	-50.3926 **	-50.6380 **
4943.9250	-13.0000	-48.0189 **	-48.4219 **
5767.9125	-13.0000	-47.6299 **	-47.6965 **
6591.9000	-13.0000	-44.1445 **	-45.3915 **
7415.8875	-13.0000	-44.3077 **	-44.1000 **
8239.8750	-13.0000	-45.0935 **	-42.6131 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

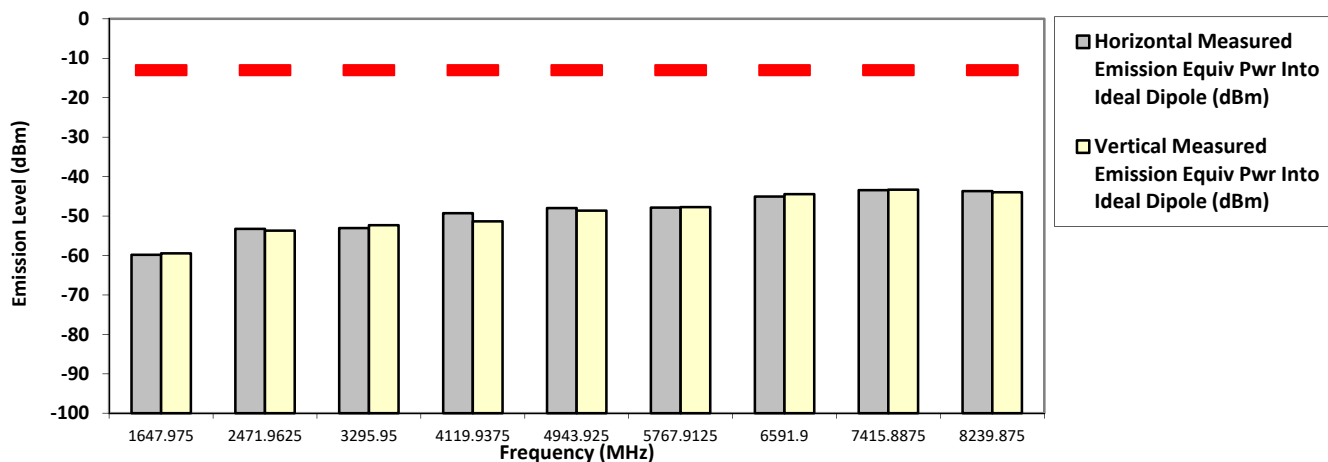
823.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-59.8256 **	-59.4702 **
2471.9625	-13.0000	-53.2739 **	-53.6998 **
3295.9500	-13.0000	-53.0673 **	-52.3303 **
4119.9375	-13.0000	-49.2692 **	-51.3382 **
4943.9250	-13.0000	-48.0045 **	-48.6168 **
5767.9125	-13.0000	-47.8614 **	-47.7332 **
6591.9000	-13.0000	-45.0661 **	-44.4503 **
7415.8875	-13.0000	-43.4384 **	-43.3292 **
8239.8750	-13.0000	-43.7068 **	-43.9821 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

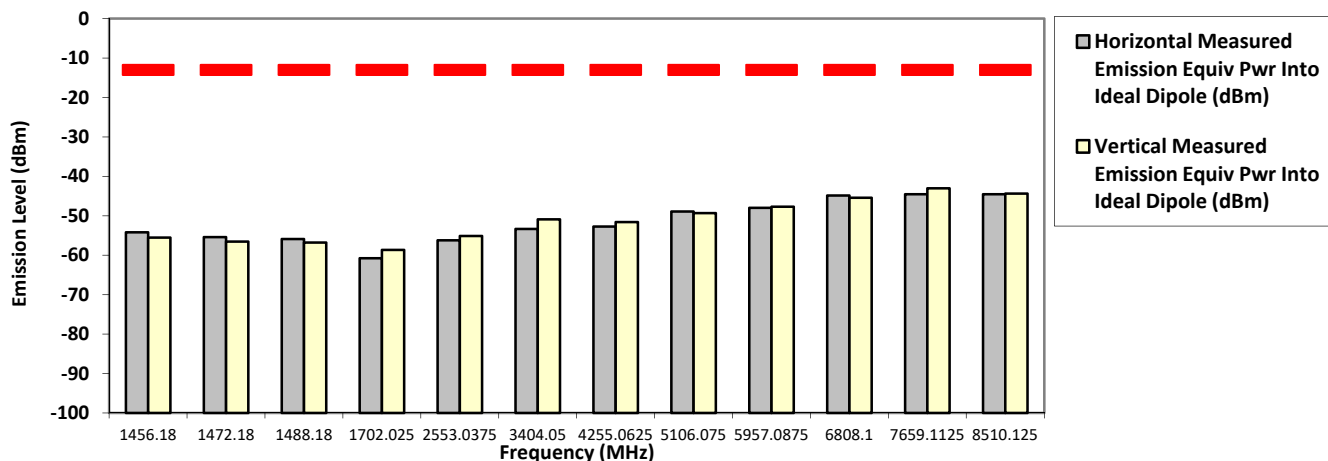
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Digital
851.012500 MHz (For FCC only) **12.5 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1456.1800	-13.0000	-54.1900 *	-55.5400 *
1472.1800	-13.0000	-55.4000 *	-56.5300 *
1488.1800	-13.0000	-55.9100 *	-56.7800 *
1702.0250	-13.0000	-60.7599 **	-58.6700 **
2553.0375	-13.0000	-56.2291 **	-55.1226 **
3404.0500	-13.0000	-53.3488 **	-50.9010 **
4255.0625	-13.0000	-52.7370 **	-51.6106 **
5106.0750	-13.0000	-48.9028 **	-49.3158 **
5957.0875	-13.0000	-47.9869 **	-47.7085 **
6808.1000	-13.0000	-44.8768 **	-45.4241 **
7659.1125	-13.0000	-44.5323 **	-43.0392 **
8510.1250	-13.0000	-44.5384 **	-44.3934 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Faris Sun, 20 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

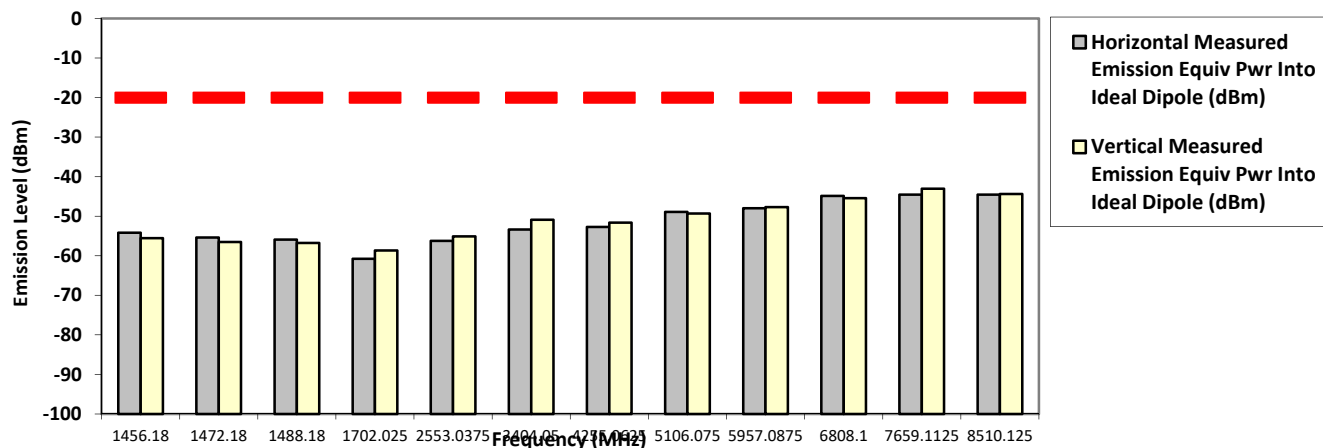
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Digital
851.012500 MHz (For IC only) **12.5 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1456.1800	-20.0000	-54.1900 *	-55.5400 *
1472.1800	-20.0000	-55.4000 *	-56.5300 *
1488.1800	-20.0000	-55.9100 *	-56.7800 *
1702.0250	-20.0000	-60.7599 **	-58.6700 **
2553.0375	-20.0000	-56.2291 **	-55.1226 **
3404.0500	-20.0000	-53.3488 **	-50.9010 **
4255.0625	-20.0000	-52.7370 **	-51.6106 **
5106.0750	-20.0000	-48.9028 **	-49.3158 **
5957.0875	-20.0000	-47.9869 **	-47.7085 **
6808.1000	-20.0000	-44.8768 **	-45.4241 **
7659.1125	-20.0000	-44.5323 **	-43.0392 **
8510.1250	-20.0000	-44.5384 **	-44.3934 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Faris Sun, 20 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

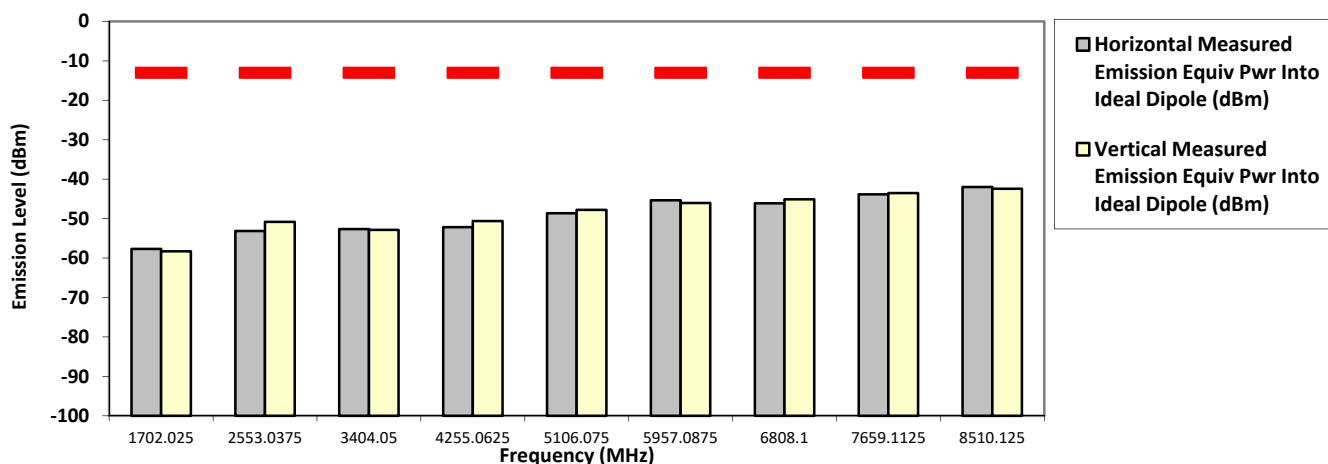
851.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1702.0250	-13.0000	-57.6937 **	-58.2894 **
2553.0375	-13.0000	-53.1583 **	-50.8235 **
3404.0500	-13.0000	-52.6355 **	-52.8513 **
4255.0625	-13.0000	-52.1853 **	-50.6282 **
5106.0750	-13.0000	-48.6328 **	-47.7843 **
5957.0875	-13.0000	-45.3561 **	-46.0382 **
6808.1000	-13.0000	-46.1394 **	-45.1131 **
7659.1125	-13.0000	-43.8629 **	-43.5276 **
8510.1250	-13.0000	-41.9882 **	-42.4273 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

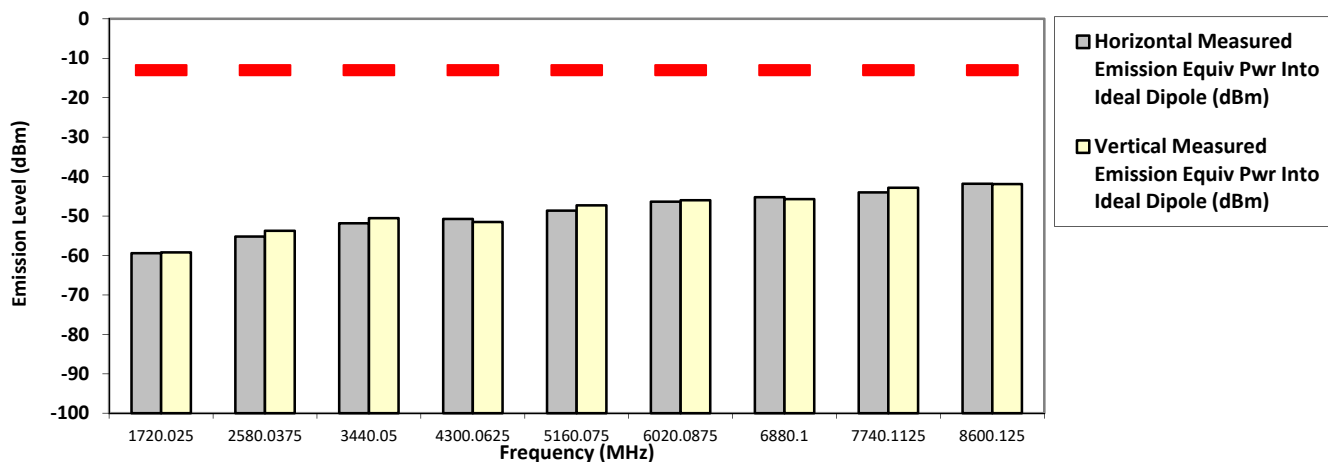
860.012500 MHz

12.5 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-59.4328 **	-59.2110 **
2580.0375	-13.0000	-55.2243 **	-53.7428 **
3440.0500	-13.0000	-51.8462 **	-50.5438 **
4300.0625	-13.0000	-50.7265 **	-51.5054 **
5160.0750	-13.0000	-48.6431 **	-47.3058 **
6020.0875	-13.0000	-46.3439 **	-45.9998 **
6880.1000	-13.0000	-45.2377 **	-45.7247 **
7740.1125	-13.0000	-44.0312 **	-42.8295 **
8600.1250	-13.0000	-41.8114 **	-41.9107 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

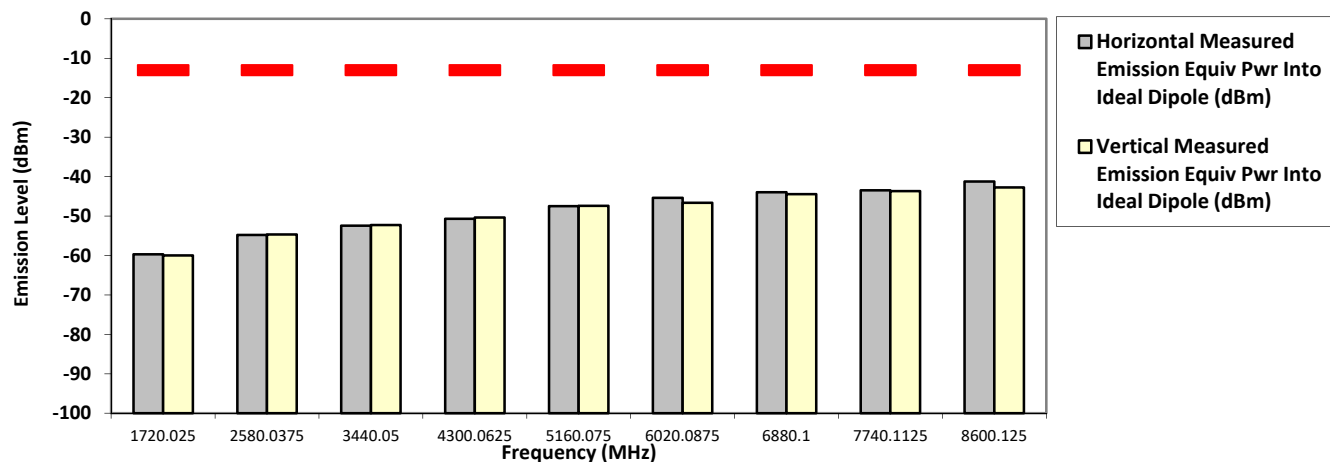
860.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-59.7200 **	-59.9939 **
2580.0375	-13.0000	-54.7860 **	-54.6984 **
3440.0500	-13.0000	-52.4343 **	-52.2813 **
4300.0625	-13.0000	-50.7160 **	-50.3715 **
5160.0750	-13.0000	-47.5015 **	-47.4181 **
6020.0875	-13.0000	-45.3829 **	-46.6673 **
6880.1000	-13.0000	-43.9692 **	-44.4659 **
7740.1125	-13.0000	-43.4674 **	-43.6677 **
8600.1250	-13.0000	-41.2449 **	-42.7667 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

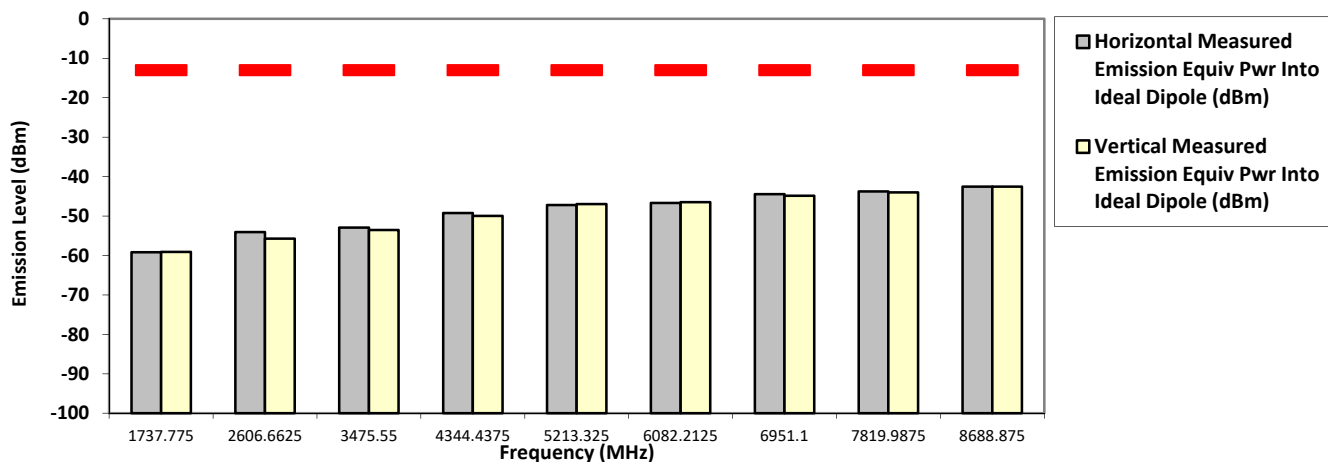
868.887500 MHz

12.5 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-59.1920 **	-59.0854 **
2606.6625	-13.0000	-54.0716 **	-55.7266 **
3475.5500	-13.0000	-52.9257 **	-53.5306 **
4344.4375	-13.0000	-49.2334 **	-49.9554 **
5213.3250	-13.0000	-47.2130 **	-46.9804 **
6082.2125	-13.0000	-46.6873 **	-46.4670 **
6951.1000	-13.0000	-44.4383 **	-44.8815 **
7819.9875	-13.0000	-43.7700 **	-44.0311 **
8688.8750	-13.0000	-42.5536 **	-42.5666 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital C4FM

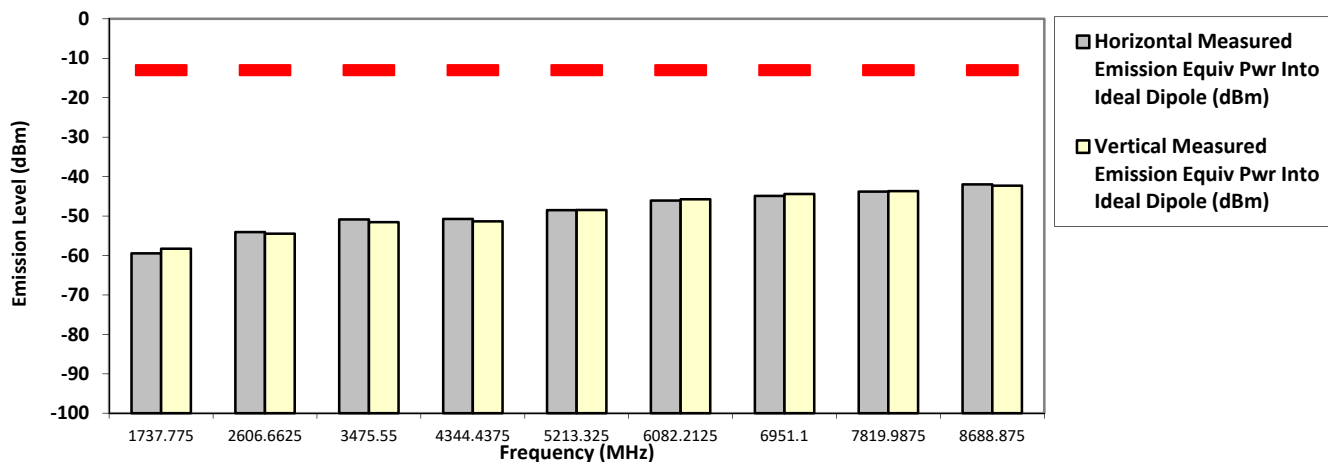
868.887500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-59.4828 **	-58.3104 **
2606.6625	-13.0000	-54.0903 **	-54.4672 **
3475.5500	-13.0000	-50.8745 **	-51.5458 **
4344.4375	-13.0000	-50.7494 **	-51.3480 **
5213.3250	-13.0000	-48.5091 **	-48.4782 **
6082.2125	-13.0000	-46.0909 **	-45.7727 **
6951.1000	-13.0000	-44.9096 **	-44.3995 **
7819.9875	-13.0000	-43.8128 **	-43.6800 **
8688.8750	-13.0000	-41.9906 **	-42.2980 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital Phase II

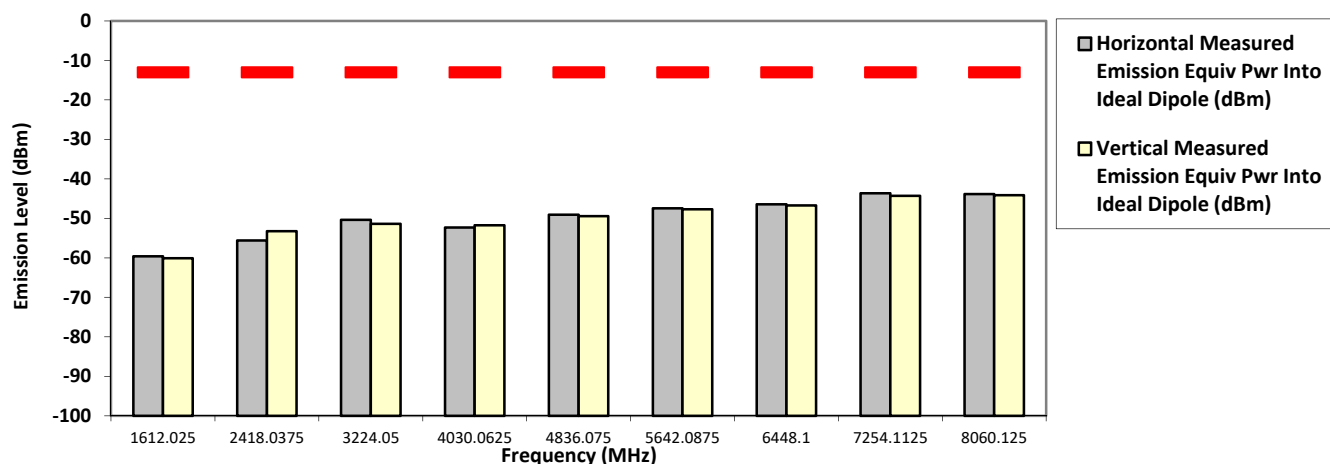
806.012500 MHz

12.5 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-59.6055 **	-60.0927 **
2418.0375	-13.0000	-55.6103 **	-53.2415 **
3224.0500	-13.0000	-50.3816 **	-51.4038 **
4030.0625	-13.0000	-52.3174 **	-51.7563 **
4836.0750	-13.0000	-49.0789 **	-49.4591 **
5642.0875	-13.0000	-47.4487 **	-47.7078 **
6448.1000	-13.0000	-46.4565 **	-46.7312 **
7254.1125	-13.0000	-43.6316 **	-44.2981 **
8060.1250	-13.0000	-43.8475 **	-44.1479 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital Phase II

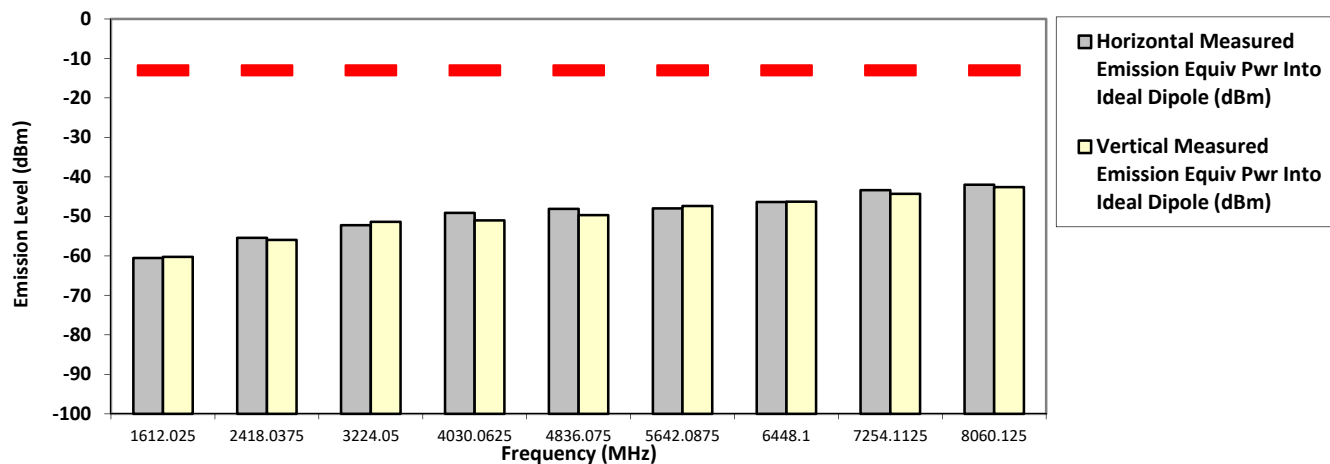
806.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-60.5299 **	-60.2481 **
2418.0375	-13.0000	-55.4263 **	-55.9821 **
3224.0500	-13.0000	-52.2378 **	-51.3743 **
4030.0625	-13.0000	-49.1135 **	-51.0247 **
4836.0750	-13.0000	-48.0899 **	-49.6712 **
5642.0875	-13.0000	-48.0029 **	-47.3911 **
6448.1000	-13.0000	-46.3663 **	-46.2837 **
7254.1125	-13.0000	-43.3687 **	-44.3097 **
8060.1250	-13.0000	-41.9794 **	-42.6039 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

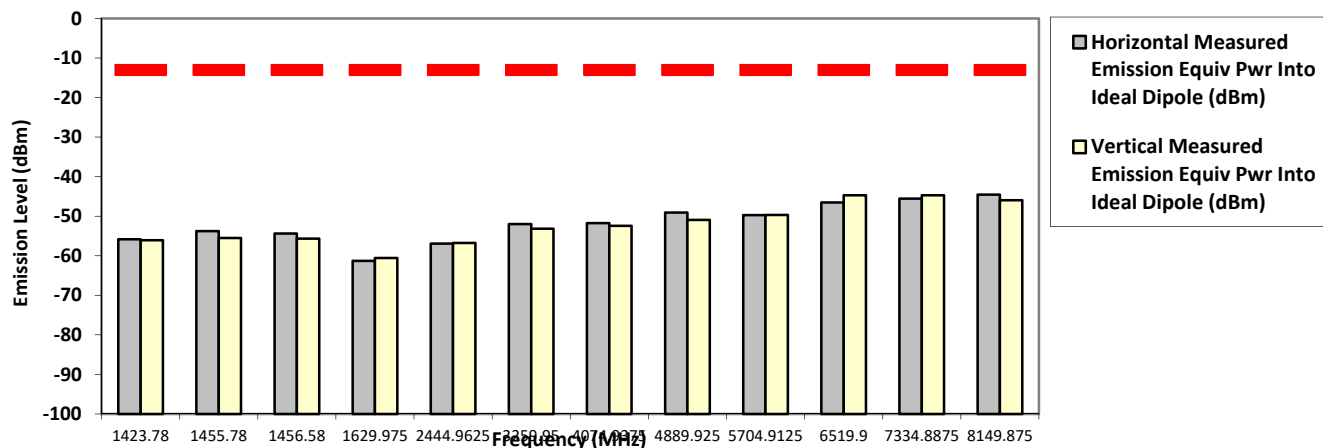
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1,
HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX APCO Digital Phase II
814.987500 MHz (For FCC only) **12.5 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1423.7800	-13.0000	-55.8300 *	-56.0700 *
1455.7800	-13.0000	-53.7700 *	-55.5200 *
1456.5800	-13.0000	-54.3600 *	-55.6600 *
1629.9750	-13.0000	-61.3004 **	-60.5729 **
2444.9625	-13.0000	-56.9428 **	-56.7830 **
3259.9500	-13.0000	-51.9808 **	-53.1694 **
4074.9375	-13.0000	-51.7365 **	-52.4203 **
4889.9250	-13.0000	-49.0799 **	-50.9217 **
5704.9125	-13.0000	-49.7431 **	-49.6981 **
6519.9000	-13.0000	-46.5467 **	-44.6985 **
7334.8875	-13.0000	-45.5387 **	-44.6936 **
8149.8750	-13.0000	-44.5397 **	-45.9565 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Faris Sun, 20 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

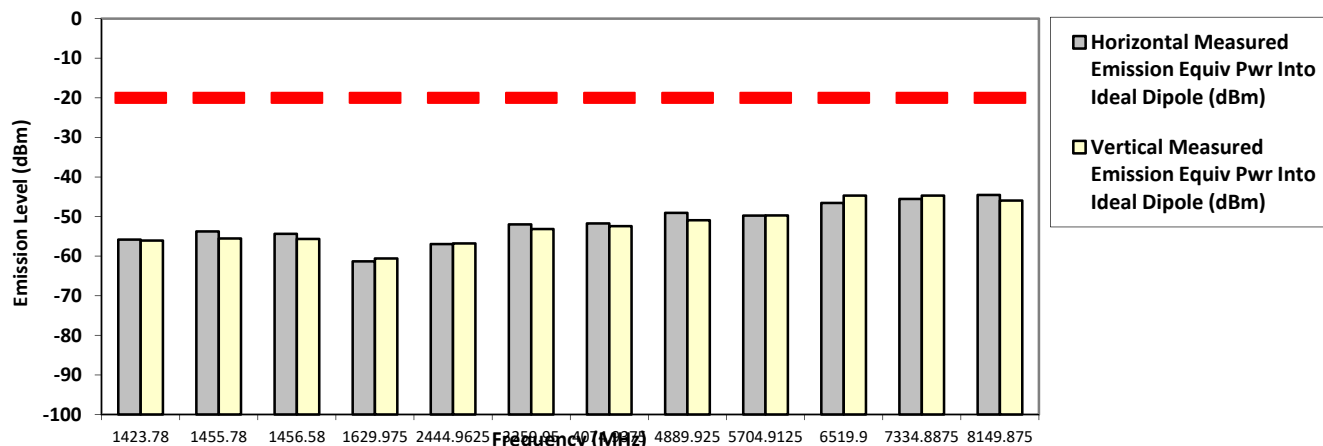
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX APCO Digital Phase II
814.987500 MHz (For IC only) **12.5 kHz** **42.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1423.7800	-20.0000	-55.8300 *	-56.0700 *
1455.7800	-20.0000	-53.7700 *	-55.5200 *
1456.5800	-20.0000	-54.3600 *	-55.6600 *
1629.9750	-20.0000	-61.3004 **	-60.5729 **
2444.9625	-20.0000	-56.9428 **	-56.7830 **
3259.9500	-20.0000	-51.9808 **	-53.1694 **
4074.9375	-20.0000	-51.7365 **	-52.4203 **
4889.9250	-20.0000	-49.0799 **	-50.9217 **
5704.9125	-20.0000	-49.7431 **	-49.6981 **
6519.9000	-20.0000	-46.5467 **	-44.6985 **
7334.8875	-20.0000	-45.5387 **	-44.6936 **
8149.8750	-20.0000	-44.5397 **	-45.9565 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Faris Sun, 20 Feb, 2022

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital Phase II

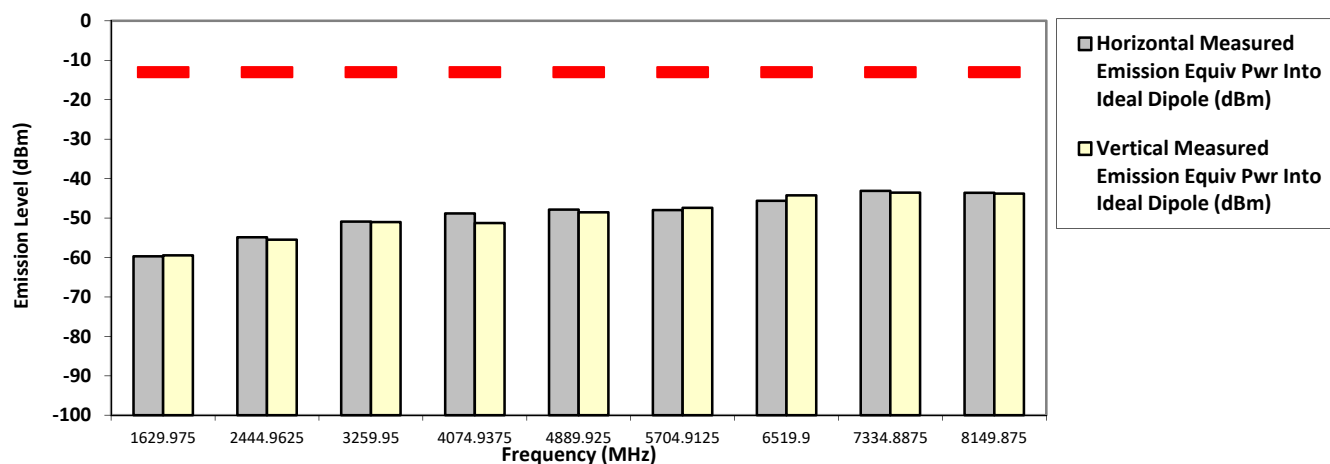
814.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-59.7141 **	-59.4592 **
2444.9625	-13.0000	-54.8885 **	-55.5052 **
3259.9500	-13.0000	-50.9157 **	-51.0280 **
4074.9375	-13.0000	-48.8362 **	-51.2617 **
4889.9250	-13.0000	-47.8664 **	-48.5638 **
5704.9125	-13.0000	-47.9691 **	-47.4221 **
6519.9000	-13.0000	-45.6485 **	-44.2722 **
7334.8875	-13.0000	-43.1118 **	-43.5773 **
8149.8750	-13.0000	-43.5903 **	-43.8175 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital Phase II

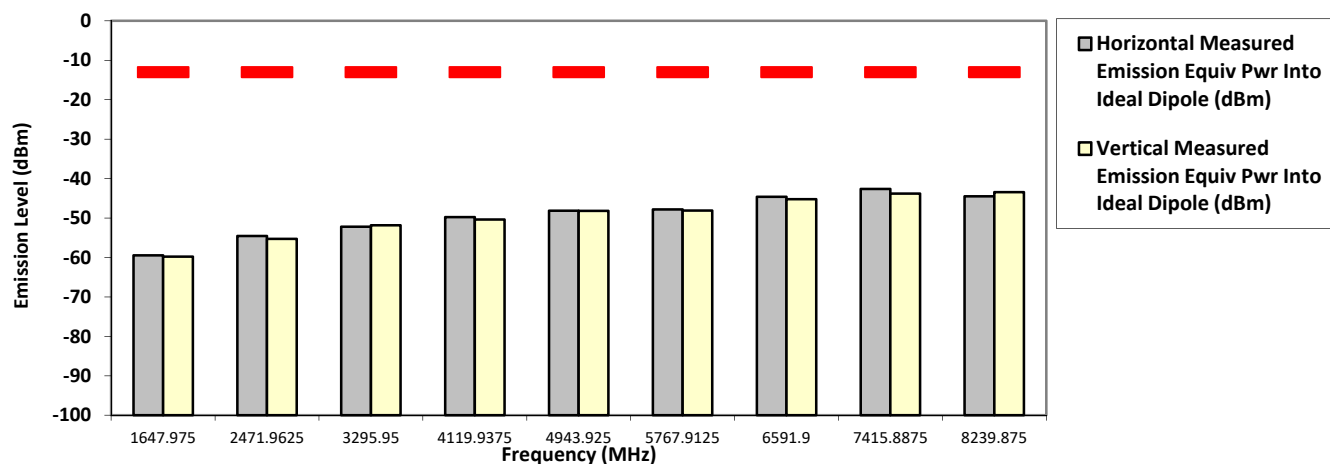
823.987500 MHz

12.5 kHz

42.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-59.4671 **	-59.7896 **
2471.9625	-13.0000	-54.5588 **	-55.2794 **
3295.9500	-13.0000	-52.1953 **	-51.8343 **
4119.9375	-13.0000	-49.7603 **	-50.3824 **
4943.9250	-13.0000	-48.1636 **	-48.1876 **
5767.9125	-13.0000	-47.8363 **	-48.1059 **
6591.9000	-13.0000	-44.6054 **	-45.2242 **
7415.8875	-13.0000	-42.6475 **	-43.8160 **
8239.8750	-13.0000	-44.4834 **	-43.4470 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C

Test Mode: TX APCO Digital Phase II

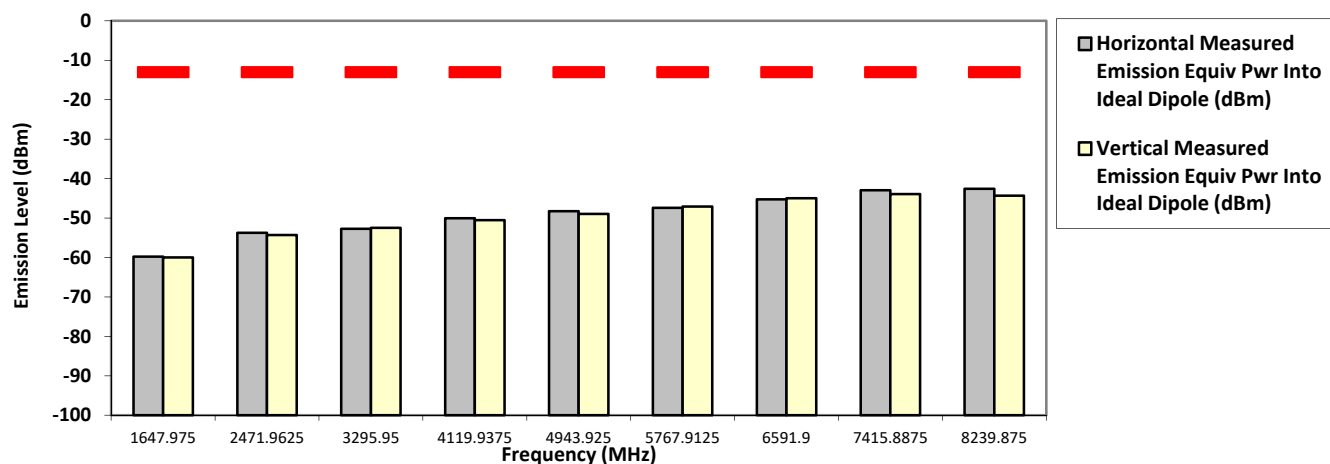
823.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-59.7767 **	-60.0005 **
2471.9625	-13.0000	-53.7522 **	-54.3197 **
3295.9500	-13.0000	-52.7167 **	-52.4880 **
4119.9375	-13.0000	-50.0695 **	-50.5293 **
4943.9250	-13.0000	-48.2734 **	-48.9716 **
5767.9125	-13.0000	-47.4070 **	-47.0810 **
6591.9000	-13.0000	-45.2518 **	-44.9814 **
7415.8875	-13.0000	-42.9600 **	-43.9303 **
8239.8750	-13.0000	-42.6058 **	-44.3252 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.

Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin

Sun, 12 Dec, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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