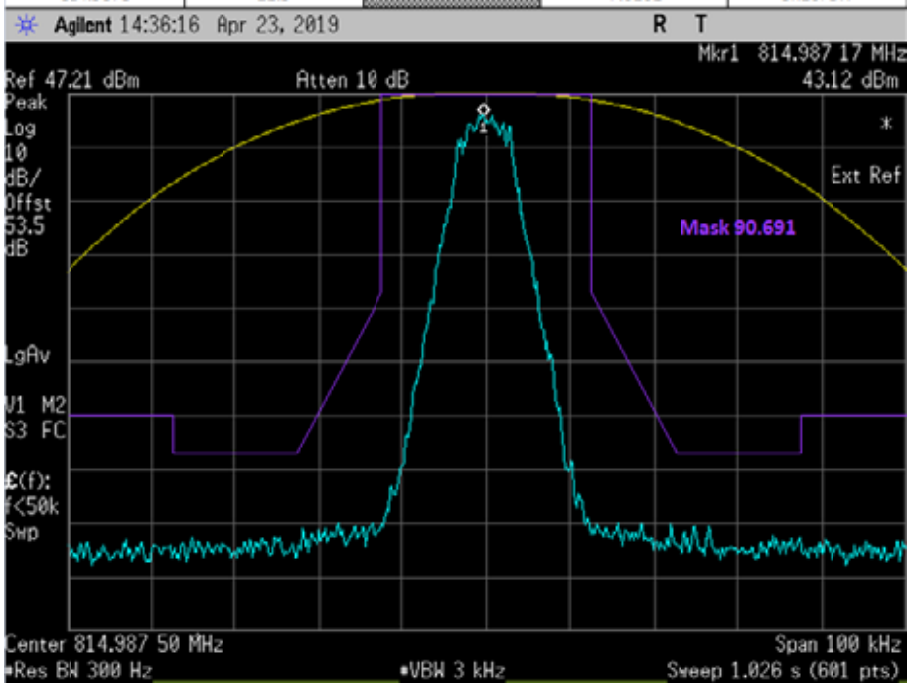
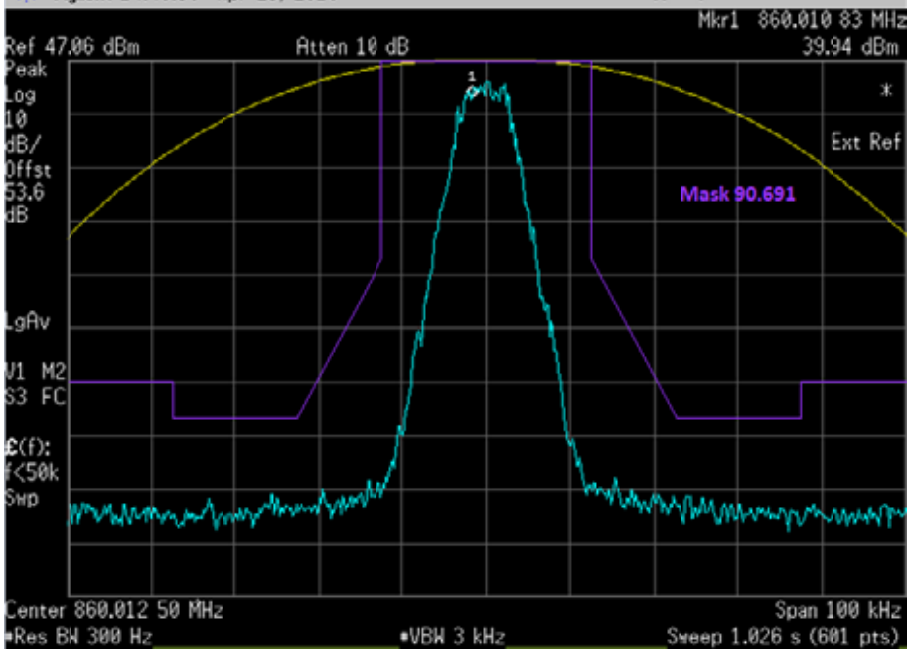
Modulation		Rules Part	
Phase II		FCC Part 90.691 (EA)	
Channel Frequency (MHz)	Channel Spacing (kHz)	99% OCB (kHz)	Emission Designator
814.9875	12.5	7.6102	8K10F1W



NOT FOR IC REVIEW

Modulation		Rules Part	
Phase II		FCC Part 90.691 (EA)	
Channel Frequency (MHz)	Channel Spacing (kHz)	99% OCB (kHz)	Emission Designator
860.0125	12.5	7.5115	8K10F1W



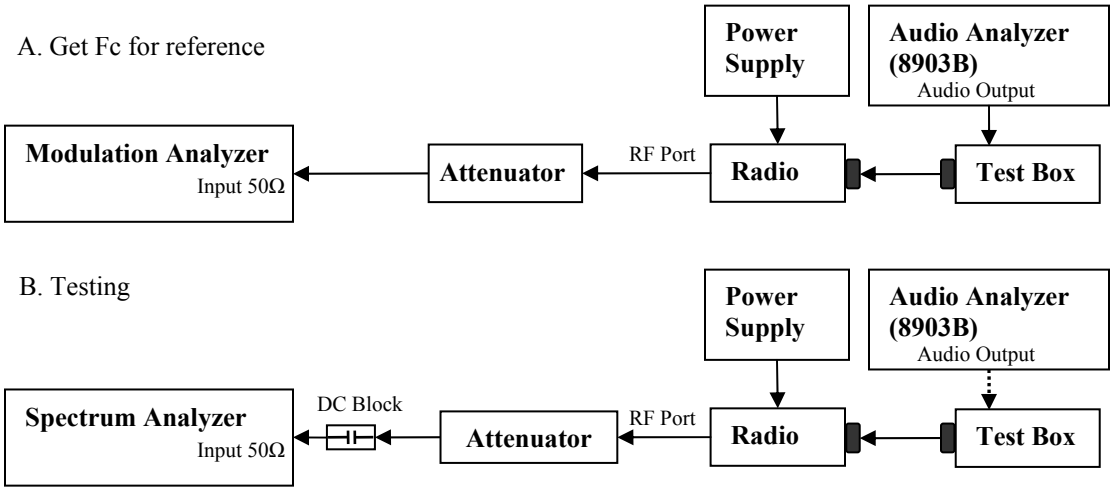
NOT FOR IC REVIEW

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)



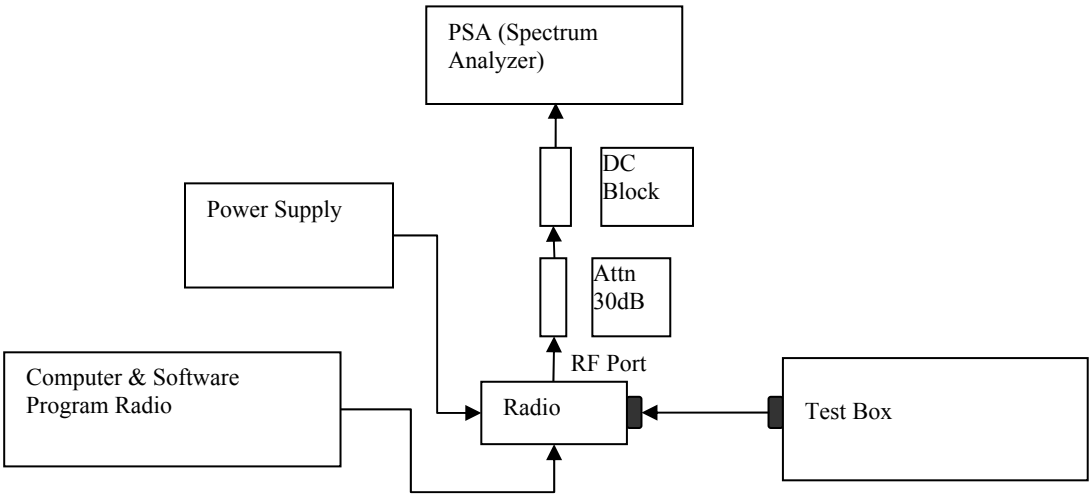
1) The DUT transmitter output port was connected to Modulation Analyzer.
2) Set the audio bandwidth filter to 15 kHz low pass filter and 50 kHz high pass filter.
3) Transmit the radio and set the audio analyzer to 2.5 kHz audio frequency and 50% of the rated deviation. Up the amplitude by 16 dB. Dekey 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)

NA → 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:

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

6.7.4. Test Result (Digital)

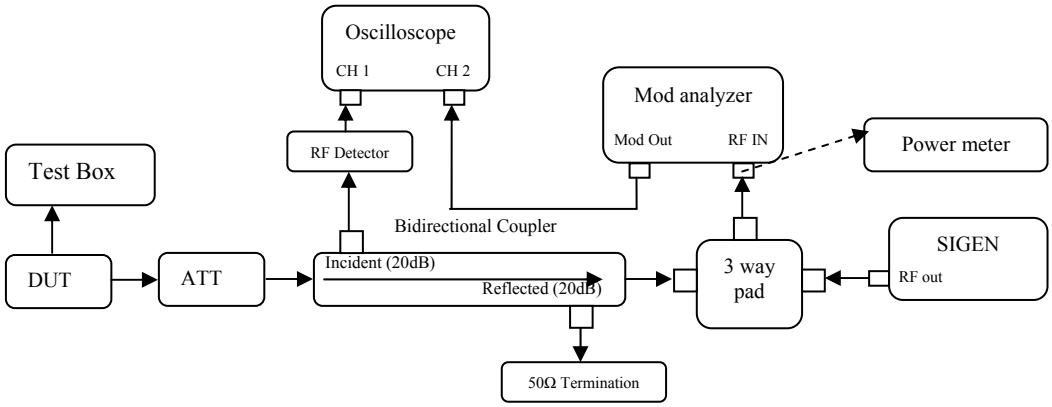
NA → Not Applicable

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. Transient Frequency Behavior

6.8.1. Test Setup



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

6.8.2. Test Result

NA → Not Applicable

6.8.3. Test Limit

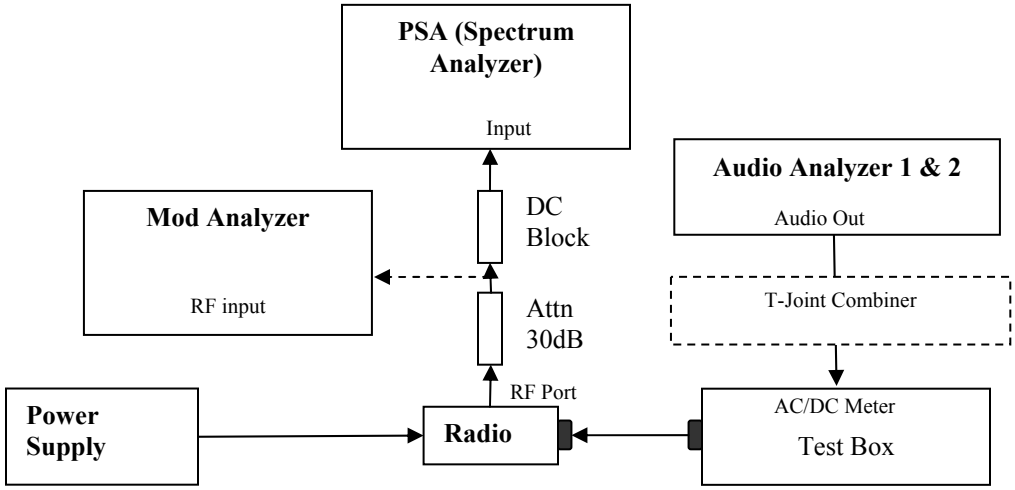
Transmitters designed to operate in the 150-174 MHz and 421-512 MHz frequency bands must maintain transient frequencies within the maximum frequency difference limits during the time intervals indicated:

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

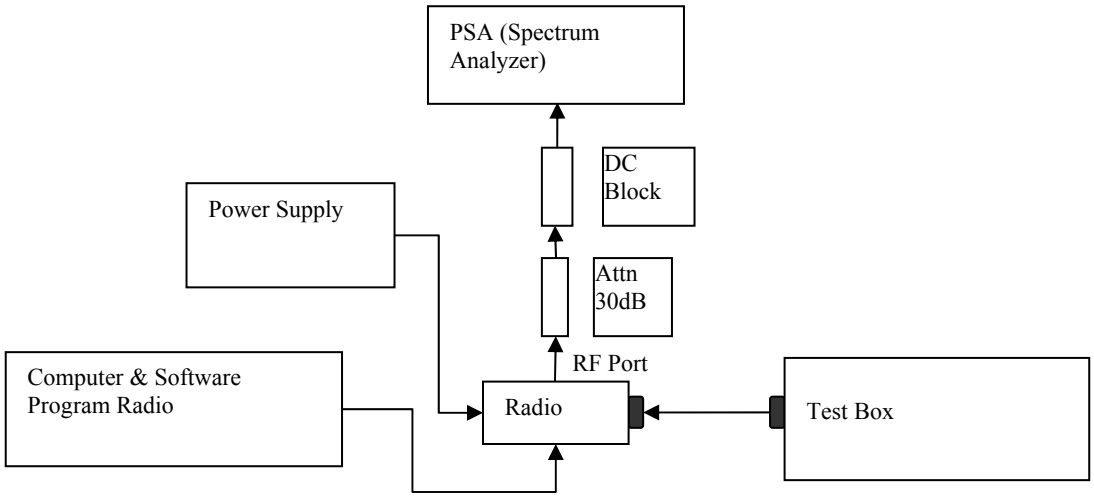
Mode	**Analog**			
Frequency, MHz	**769.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-49.057	-49.020	-40
15.625	6.25	-77.275	-76.733	-60
21.875	6.25	-78.716	-78.371	-60
37.500	25	-73.327	-73.344	-65
62.500	25	-74.794	-74.945	-65
87.500	25	-77.095	-77.147	-65
150.000	100	-75.164	-75.207	-65
250.000	100	-80.615	-80.724	-65
350.000	100	-83.451	-83.628	-65
400k	30	-89.346	-89.638	-75
12M	30	-91.150	-91.433	-75

Mode	**Analog**			
Frequency, MHz	**774.8875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-48.511	-49.606	-40
15.625	6.25	-76.623	-77.377	-60
21.875	6.25	-77.885	-77.983	-60
37.500	25	-72.960	-73.044	-65
62.500	25	-74.965	-74.826	-65
87.500	25	-77.529	-77.274	-65
150.000	100	-75.131	-75.041	-65
250.000	100	-80.642	-80.616	-65
350.000	100	-83.522	-83.589	-65
400k	30	-89.560	-89.208	-75
12M	30	-91.701	-91.656	-75

Mode	**Analog**			
Frequency, MHz	**799.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-49.220	-49.930	-40
15.625	6.25	-76.361	-76.076	-60
21.875	6.25	-77.427	-77.902	-60
37.500	25	-73.013	-73.068	-65
62.500	25	-74.765	-74.809	-65
87.500	25	-77.108	-77.069	-65
150.000	100	-74.862	-74.906	-65
250.000	100	-80.604	-80.479	-65
350.000	100	-83.439	-83.683	-65
400k	30	-89.311	-88.952	-75
12M	30	-91.808	-91.532	-75

Mode	**Analog**			
Frequency, MHz	**804.9125**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-49.184	-49.898	-40
15.625	6.25	-76.013	-76.114	-60
21.875	6.25	-78.325	-77.078	-60
37.500	25	-73.034	-73.013	-65
62.500	25	-74.825	-74.551	-65
87.500	25	-76.687	-77.067	-65
150.000	100	-74.830	-74.748	-65
250.000	100	-79.460	-79.449	-65
350.000	100	-81.646	-81.761	-65
400k	30	-86.898	-87.399	-75
12M	30	-88.426	-87.981	-75

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

Mode	**Digital Data**			
Frequency, MHz	**769.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-41.000	-44.578	-40
15.625	6.25	-77.482	-77.762	-60
21.875	6.25	-79.082	-79.415	-60
37.500	25	-75.559	-76.155	-65
62.500	25	-77.691	-77.500	-65
87.500	25	-80.013	-80.001	-65
150.000	100	-77.872	-78.037	-65
250.000	100	-82.522	-82.565	-65
350.000	100	-84.954	-84.934	-65
400k	30	-90.312	-90.732	-75
12M	30	-91.093	-91.511	-75

Mode	**Digital Data**			
Frequency, MHz	**774.8875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.100	-41.406	-40
15.625	6.25	-77.243	-76.808	-60
21.875	6.25	-77.634	-77.866	-60
37.500	25	-73.233	-73.231	-65
62.500	25	-74.881	-74.748	-65
87.500	25	-77.299	-76.958	-65
150.000	100	-75.003	-75.002	-65
250.000	100	-79.544	-79.694	-65
350.000	100	-81.928	-82.202	-65
400k	30	-87.782	-87.828	-75
12M	30	-87.936	-88.423	-75

Mode	**Digital Data**			
Frequency, MHz	**799.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-42.340	-43.461	-40
15.625	6.25	-75.789	-75.709	-60
21.875	6.25	-77.485	-77.895	-60
37.500	25	-72.969	-73.178	-65
62.500	25	-74.933	-74.714	-65
87.500	25	-76.930	-77.341	-65
150.000	100	-74.931	-74.909	-65
250.000	100	-79.659	-79.530	-65
350.000	100	-81.886	-81.909	-65
400k	30	-87.698	-87.454	-75
12M	30	-88.068	-87.987	-75

Mode	**Digital Data**			
Frequency, MHz	**804.9125**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-41.500	-45.163	-40
15.625	6.25	-76.214	-75.959	-60
21.875	6.25	-77.299	-77.359	-60
37.500	25	-72.908	-73.090	-65
62.500	25	-74.630	-74.742	-65
87.500	25	-76.838	-76.986	-65
150.000	100	-74.936	-74.798	-65
250.000	100	-79.581	-79.516	-65
350.000	100	-81.704	-81.571	-65
400k	30	-87.242	-87.266	-75
12M	30	-88.098	-87.316	-75

Mode	**Digital Voice**			
Frequency, MHz	**769.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-41.159	-43.265	-40
15.625	6.25	-76.220	-77.692	-60
21.875	6.25	-78.174	-78.667	-60
37.500	25	-73.213	-73.253	-65
62.500	25	-74.357	-75.466	-65
87.500	25	-76.639	-77.292	-65
150.000	100	-75.014	-75.254	-65
250.000	100	-80.476	-80.611	-65
350.000	100	-83.297	-83.538	-65
400k	30	-89.487	-89.536	-75
12M	30	-91.131	-91.787	-75

Mode	**Digital Voice**			
Frequency, MHz	**774.8875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.125	-42.250	-40
15.625	6.25	-76.687	-76.990	-60
21.875	6.25	-78.157	-78.089	-60
37.500	25	-73.170	-73.074	-65
62.500	25	-74.855	-74.648	-65
87.500	25	-77.279	-76.964	-65
150.000	100	-75.103	-75.123	-65
250.000	100	-80.317	-80.414	-65
350.000	100	-83.494	-83.322	-65
400k	30	-89.280	-89.280	-75
12M	30	-91.066	-91.265	-75

Mode	**Digital Voice**			
Frequency, MHz	**799.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.234	-41.993	-40
15.625	6.25	-75.665	-75.833	-60
21.875	6.25	-77.878	-78.156	-60
37.500	25	-72.588	-73.045	-65
62.500	25	-74.753	-74.592	-65
87.500	25	-76.943	-76.858	-65
150.000	100	-75.020	-74.993	-65
250.000	100	-81.143	-81.157	-65
350.000	100	-84.004	-83.818	-65
400k	30	-89.693	-89.936	-75
12M	30	-91.246	-90.982	-75

Mode	**Digital Voice**			
Frequency, MHz	**804.9125**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-41.258	-43.857	-40
15.625	6.25	-75.610	-76.052	-60
21.875	6.25	-78.012	-77.986	-60
37.500	25	-72.819	-72.743	-65
62.500	25	-74.522	-74.672	-65
87.500	25	-76.912	-76.592	-65
150.000	100	-74.398	-74.839	-65
250.000	100	-79.477	-79.444	-65
350.000	100	-81.518	-81.358	-65
400k	30	-86.927	-87.429	-75
12M	30	-87.960	-87.126	-75

Mode	**Digital Voice Encyption**			
Frequency, MHz	**769.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.259	-42.418	-40
15.625	6.25	-76.920	-77.124	-60
21.875	6.25	-78.488	-78.099	-60
37.500	25	-73.170	-73.341	-65
62.500	25	-75.024	-74.878	-65
87.500	25	-77.398	-77.273	-65
150.000	100	-75.018	-75.228	-65
250.000	100	-80.608	-80.515	-65
350.000	100	-83.570	-83.623	-65
400k	30	-89.450	-89.693	-75
12M	30	-91.016	-91.126	-75

Mode	**Digital Voice Encyption**			
Frequency, MHz	**774.8875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.859	-42.267	-40
15.625	6.25	-76.542	-76.791	-60
21.875	6.25	-77.782	-77.636	-60
37.500	25	-73.177	-73.133	-65
62.500	25	-74.679	-74.712	-65
87.500	25	-77.079	-76.991	-65
150.000	100	-74.624	-74.848	-65
250.000	100	-79.484	-79.709	-65
350.000	100	-82.011	-81.967	-65
400k	30	-87.459	-87.265	-75
12M	30	-88.055	-88.479	-75

Mode	**Digital Voice Encyption**			
Frequency, MHz	**799.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.941	-42.901	-40
15.625	6.25	-75.939	-76.164	-60
21.875	6.25	-77.649	-77.833	-60
37.500	25	-72.840	-72.806	-65
62.500	25	-74.590	-74.686	-65
87.500	25	-76.995	-76.896	-65
150.000	100	-74.788	-74.667	-65
250.000	100	-79.568	-79.594	-65
350.000	100	-81.886	-81.896	-65
400k	30	-87.147	-87.365	-75
12M	30	-88.184	-87.769	-75

Mode	**Digital Voice Encyption**			
Frequency, MHz	**804.9125**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-42.098	-45.174	-40
15.625	6.25	-75.717	-75.888	-60
21.875	6.25	-77.447	-77.797	-60
37.500	25	-72.803	-73.038	-65
62.500	25	-74.671	-74.556	-65
87.500	25	-77.121	-77.126	-65
150.000	100	-74.746	-74.701	-65
250.000	100	-79.567	-79.450	-65
350.000	100	-81.841	-81.682	-65
400k	30	-87.040	-87.431	-75
12M	30	-87.657	-87.784	-75

Mode	**Phase II**			
Frequency, MHz	**769.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-40.278	-42.609	-40
15.625	6.25	-74.579	-73.643	-60
21.875	6.25	-74.969	-75.019	-60
37.500	25	-73.825	-73.556	-65
62.500	25	-74.902	-74.922	-65
87.500	25	-77.530	-77.404	-65
150.000	100	-75.282	-75.670	-65
250.000	100	-79.873	-80.080	-65
350.000	100	-82.402	-82.179	-65
400k	30	-87.852	-87.606	-75
12M	30	-88.197	-88.312	-75

Mode	**Phase II**			
Frequency, MHz	**774.8895**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-43.350	-46.312	-40
15.625	6.25	-77.378	-79.568	-60
21.875	6.25	-79.467	-80.067	-60
37.500	25	-76.227	-76.328	-65
62.500	25	-78.095	-77.924	-65
87.500	25	-80.239	-80.027	-65
150.000	100	-78.166	-77.990	-65
250.000	100	-82.517	-82.718	-65
350.000	100	-85.030	-85.376	-65
400k	30	-90.779	-90.645	-75
12M	30	-90.729	-91.154	-75

Mode	**Phase II**			
Frequency, MHz	**799.0875**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	-42.961	-44.260	-40
15.625	6.25	-87.989	-79.463	-60
21.875	6.25	-78.917	-78.475	-60
37.500	25	-76.251	-76.321	-65
62.500	25	-78.399	-78.236	-65
87.500	25	-80.224	-80.431	-65
150.000	100	-78.306	-78.496	-65
250.000	100	-83.038	-83.225	-65
350.000	100	-85.205	-85.180	-65
400k	30	-90.957	-90.779	-75
12M	30	-91.133	-90.990	-75

Mode	**Phase II**			
Frequency, MHz	**804.9125**			
Channel Spacing, kHz	**12.5**			
Offset (kHz)	**Meas BW (kHz)**	Lower	Upper	**Spec (dB)**
9.375	6.25	42.158	-43.612	-40
15.625	6.25	-77.043	-77.219	-60
21.875	6.25	-78.916	-77.797	-60
37.500	25	-76.727	-76.365	-65
62.500	25	-77.824	-77.795	-65
87.500	25	-80.133	-79.970	-65
150.000	100	-78.126	-77.963	-65
250.000	100	-82.986	-83.073	-65
350.000	100	-85.169	-85.052	-65
400k	30	-90.512	-90.640	-75
12M	30	-91.534	-91.633	-75

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

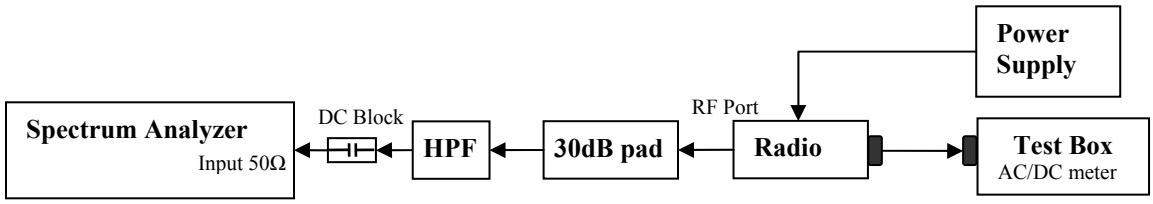
Offset from center frequency (kHz)	Measurement bandwidth (kHz)	Maximum ACP (dBc)
9.375	6.25	−40
15.625	6.25	−60
21.875	6.25	−60
37.5	25	−60
62.5	25	−65
87.5	25	−65
150	100	−65
250	100	−65
350.00	100	−65
>400 kHz to 12 MHz	30 (s)	−80
12 MHz to paired receive band	30 (s)	−80
In the paired receive band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

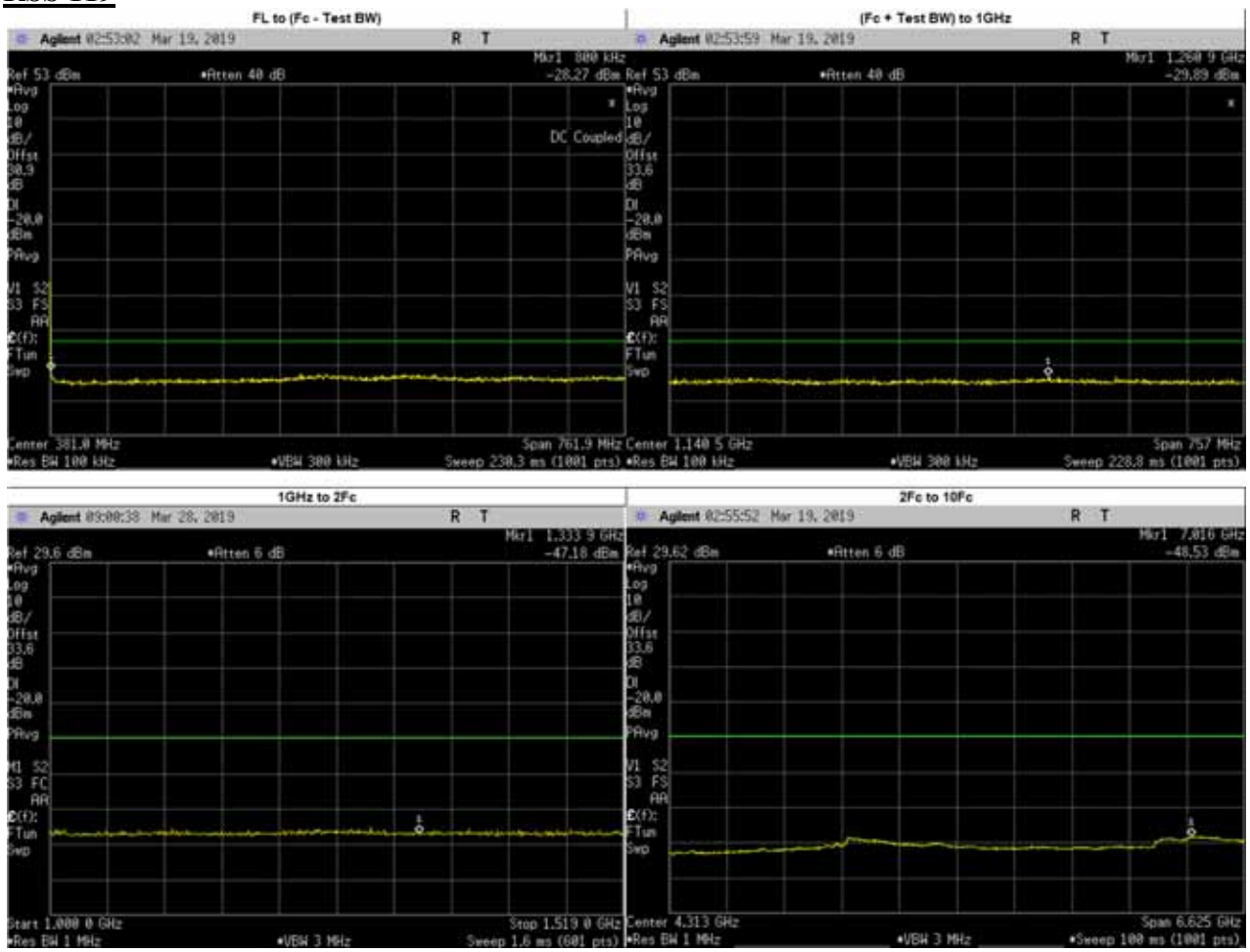


1) The DUT transmitter output port was connected to Spectrum Analyzer with above setup.
2) Program and set radio to operate in desire test frequency and mode. (Analog / digital modulation form).
3) Path loss for the measurement included.
4) Set the PSA Resolution Bandwidth as per rules part.
5) Set the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

*Note: In the event whereby the limit line doesn't coincide with the failing limit in the table, the value of the limit in the table shall prevail.

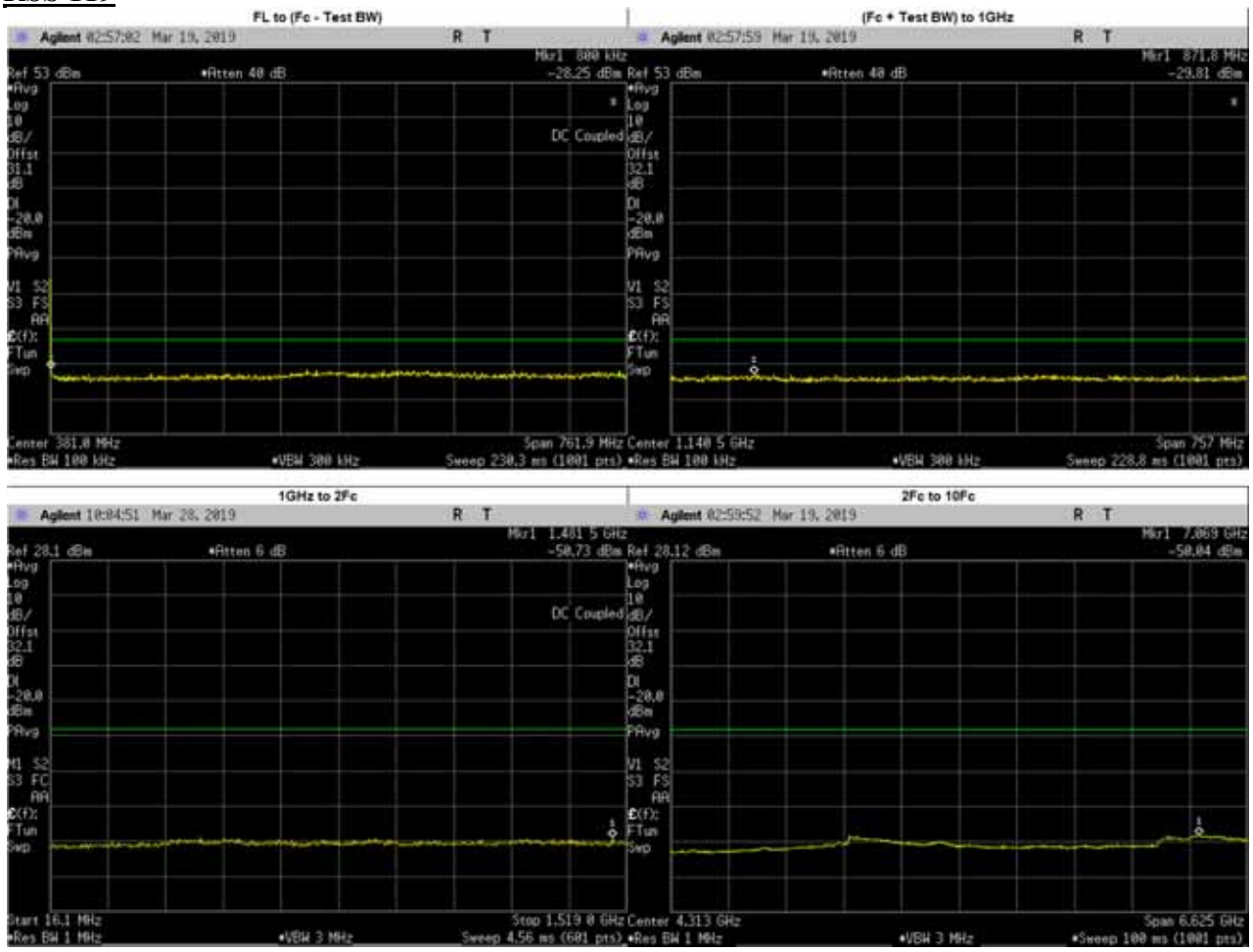
6.10.2. Test Result (Analog)

<u>Analog:</u> 762.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



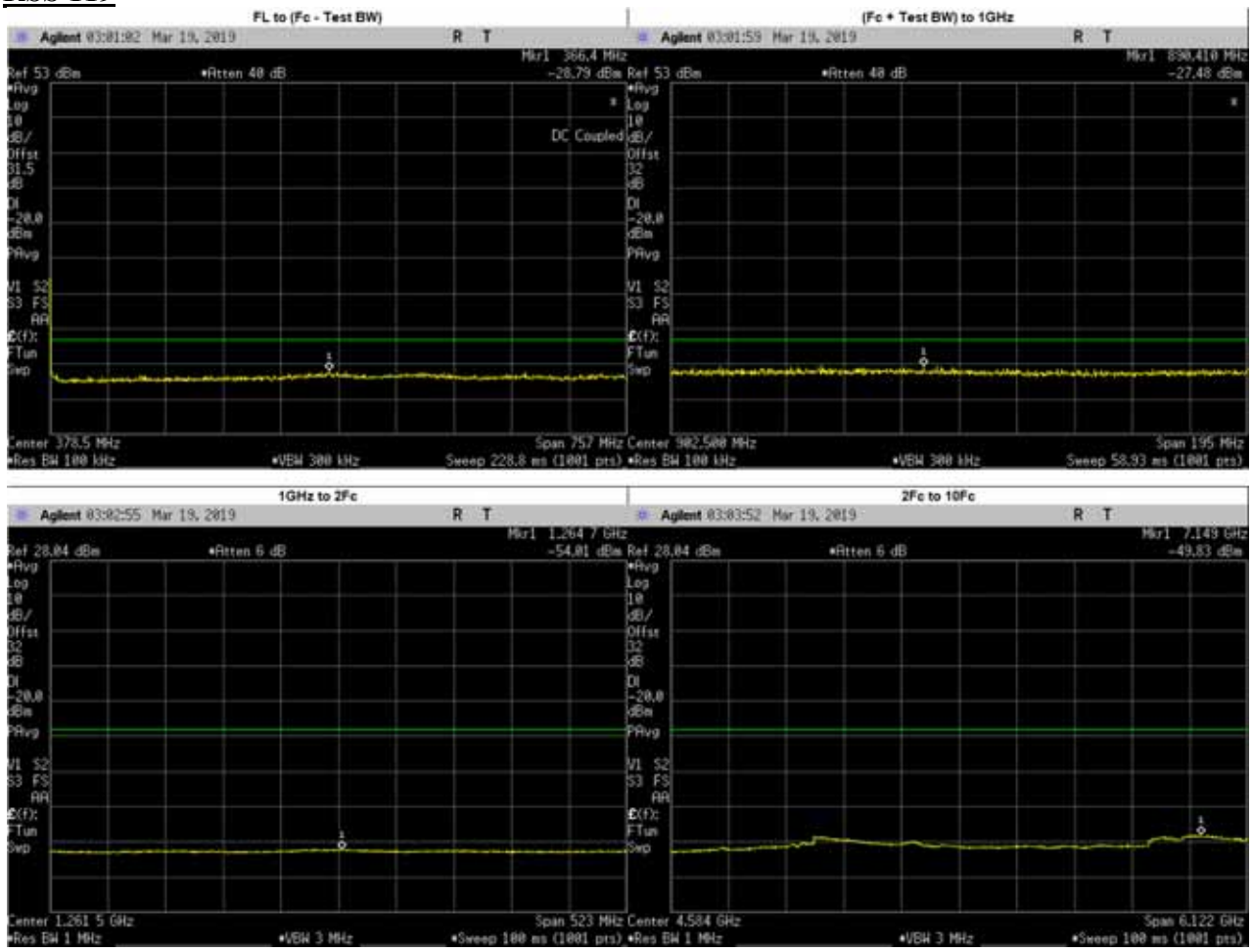
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	356.6006	-29.2756	-20	PASS
(Fc + Test BW) to 1GHz	1260.9030	-29.8900	-20	PASS
1GHz to 2Fc	1333.9000	-52.6100	-20	PASS
2Fc to 10Fc	7016.0000	-48.5300	-20	PASS
	1524.0250	-53.0139	-20	PASS
	2286.0370	-52.2900	-20	PASS
	3048.0500	-49.0961	-20	PASS
	3810.0620	-50.6378	-20	PASS
	4572.0750	-51.8298	-20	PASS
	5334.0870	-51.6039	-20	PASS
	6096.1000	-51.3422	-20	PASS
	6858.1130	-49.4879	-20	PASS
	7620.1250	-49.6625	-20	PASS

<u>Analog:</u> 762.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



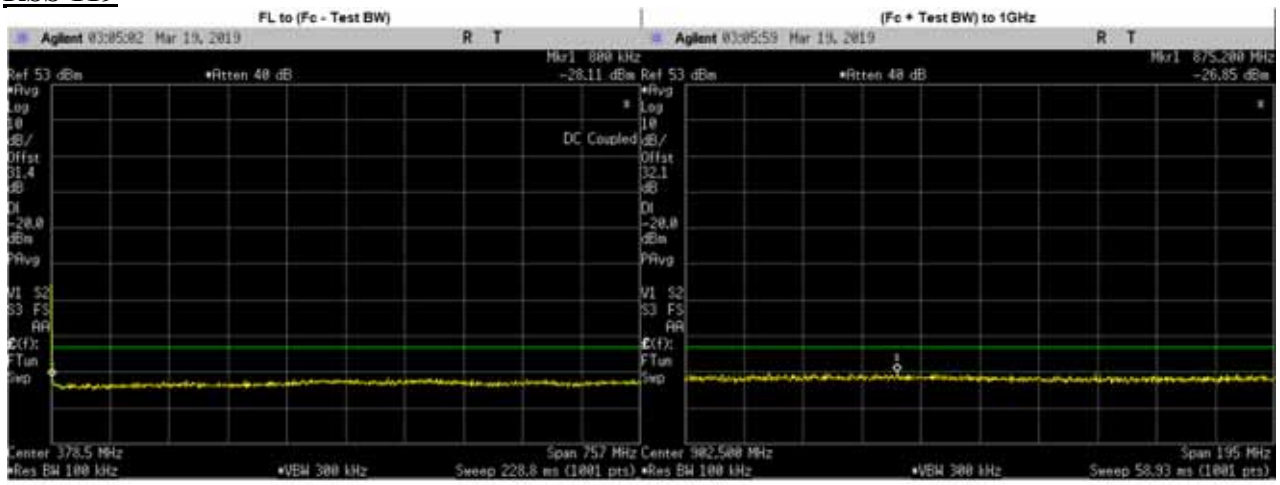
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	440.4149	-28.6373	-20	PASS
(Fc + Test BW) to 1GHz	871.8269	-29.8100	-20	PASS
1GHz to 2Fc	1481.5000	-50.7300	-20	PASS
2Fc to 10Fc	7069.0000	-50.0400	-20	PASS
	1524.0250	-54.7097	-20	PASS
	2286.0370	-53.9996	-20	PASS
	3048.0500	-50.5200	-20	PASS
	3810.0620	-52.4762	-20	PASS
	4572.0750	-53.1093	-20	PASS
	5334.0870	-53.2133	-20	PASS
	6096.1000	-52.9993	-20	PASS
	6858.1130	-51.2208	-20	PASS
	7620.1250	-51.2930	-20	PASS

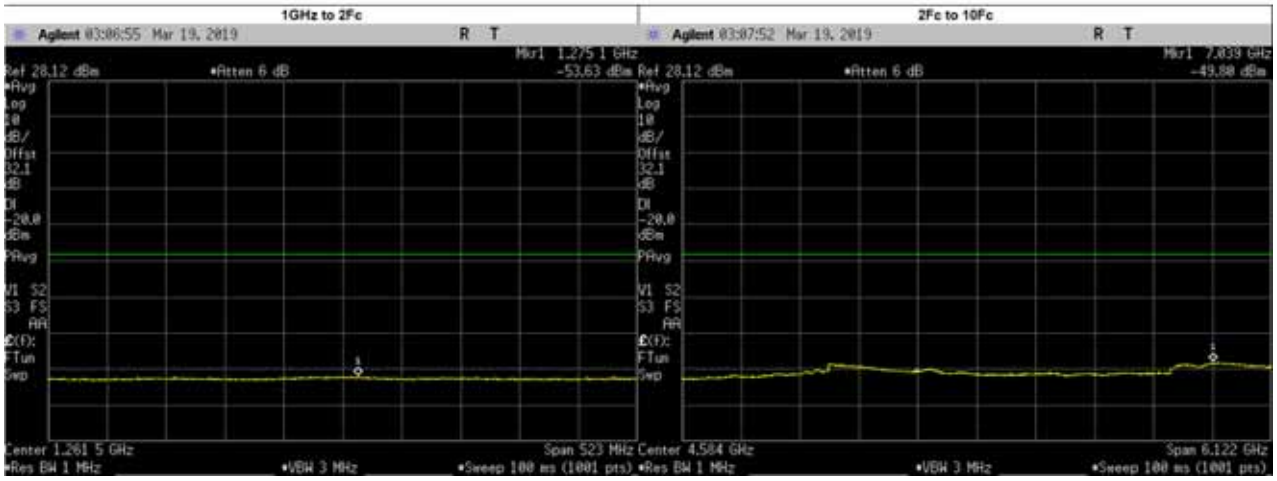
<u>Analog:</u> 764.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	366.3926	-28.9876	-20	PASS
(Fc + Test BW) to 1GHz	890.4100	-27.4800	-20	PASS
1GHz to 2Fc	1264.7000	-54.0100	-20	PASS
2Fc to 10Fc	7149.2350	-49.8300	-20	PASS
	1528.0250	-54.7844	-20	PASS
	2292.0370	-53.9879	-20	PASS
	3056.0500	-50.6400	-20	PASS
	3820.0620	-52.5818	-20	PASS
	4584.0750	-53.3030	-20	PASS
	5348.0870	-53.2600	-20	PASS
	6112.1000	-53.0866	-20	PASS
	6876.1130	-51.0993	-20	PASS
	7640.1250	-51.1672	-20	PASS

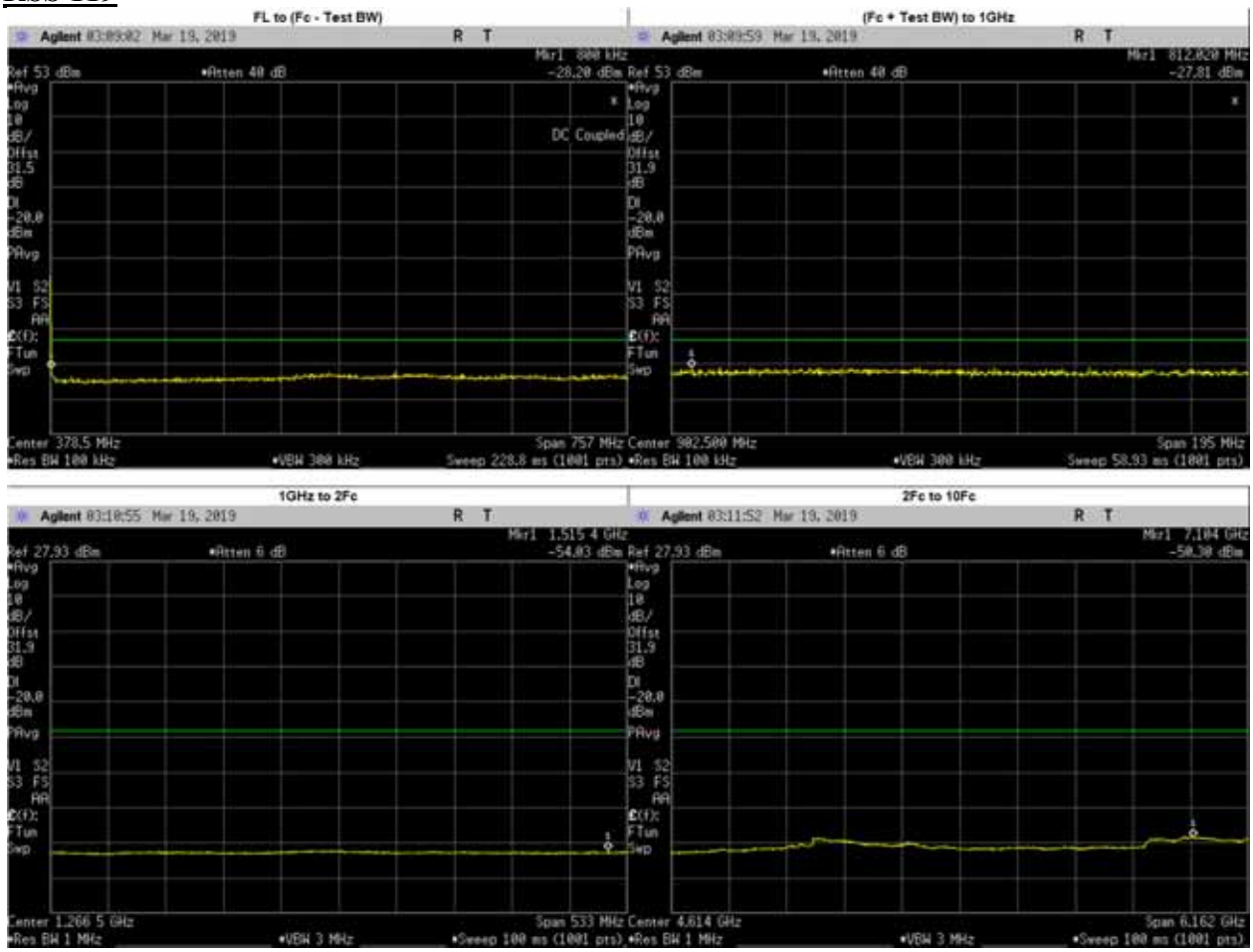
<u>Analog:</u> 764.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>





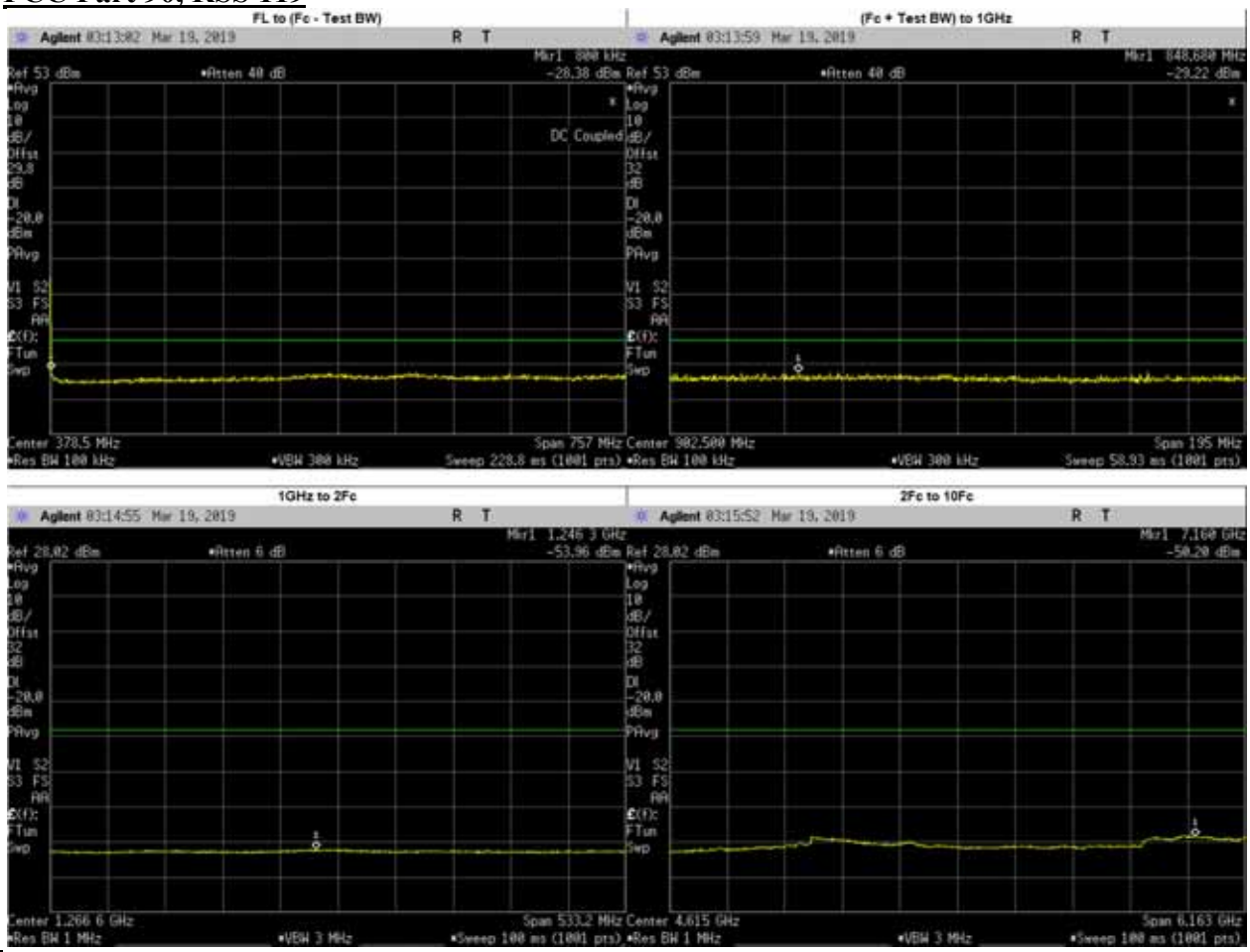
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	432.2509	-28.5825	-20	PASS
(Fc + Test BW) to 1GHz	875.2000	-26.8500	-20	PASS
1GHz to 2Fc	1275.1110	-53.6300	-20	PASS
2Fc to 10Fc	7039.0370	-49.8000	-20	PASS
	1528.0250	-54.3902	-20	PASS
	2292.0370	-54.1184	-20	PASS
	3056.0500	-50.5971	-20	PASS
	3820.0620	-52.5030	-20	PASS
	4584.0750	-53.2120	-20	PASS
	5348.0870	-53.2190	-20	PASS
	6112.1000	-53.0450	-20	PASS
	6876.1130	-51.1937	-20	PASS
	7640.1250	-51.2195	-20	PASS

<u>Analog:</u> 769.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



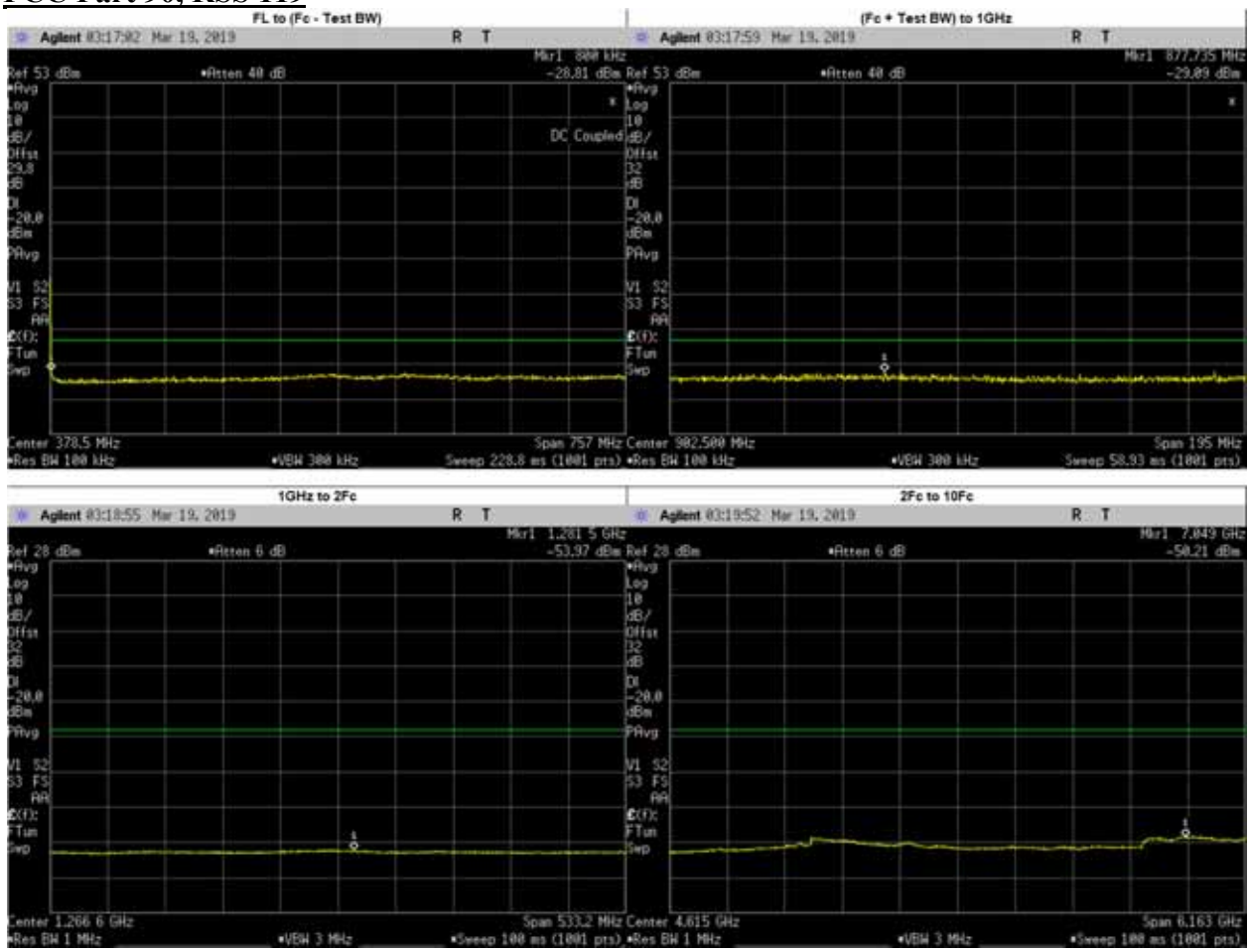
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	712.3375	-29.3117	-20	PASS
(Fc + Test BW) to 1GHz	812.0200	-27.8100	-20	PASS
1GHz to 2Fc	1515.4350	-54.0300	-20	PASS
2Fc to 10Fc	7103.5630	-50.3000	-20	PASS
	1538.0250	-54.9657	-20	PASS
	2307.0370	-54.4090	-20	PASS
	3076.0500	-50.9691	-20	PASS
	3845.0620	-52.9115	-20	PASS
	4614.0750	-53.6730	-20	PASS
	5383.0870	-53.5711	-20	PASS
	6152.1000	-53.2837	-20	PASS
	6921.1130	-51.2086	-20	PASS
	7690.1250	-50.9262	-20	PASS

<u>Analog:</u> 769.0875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



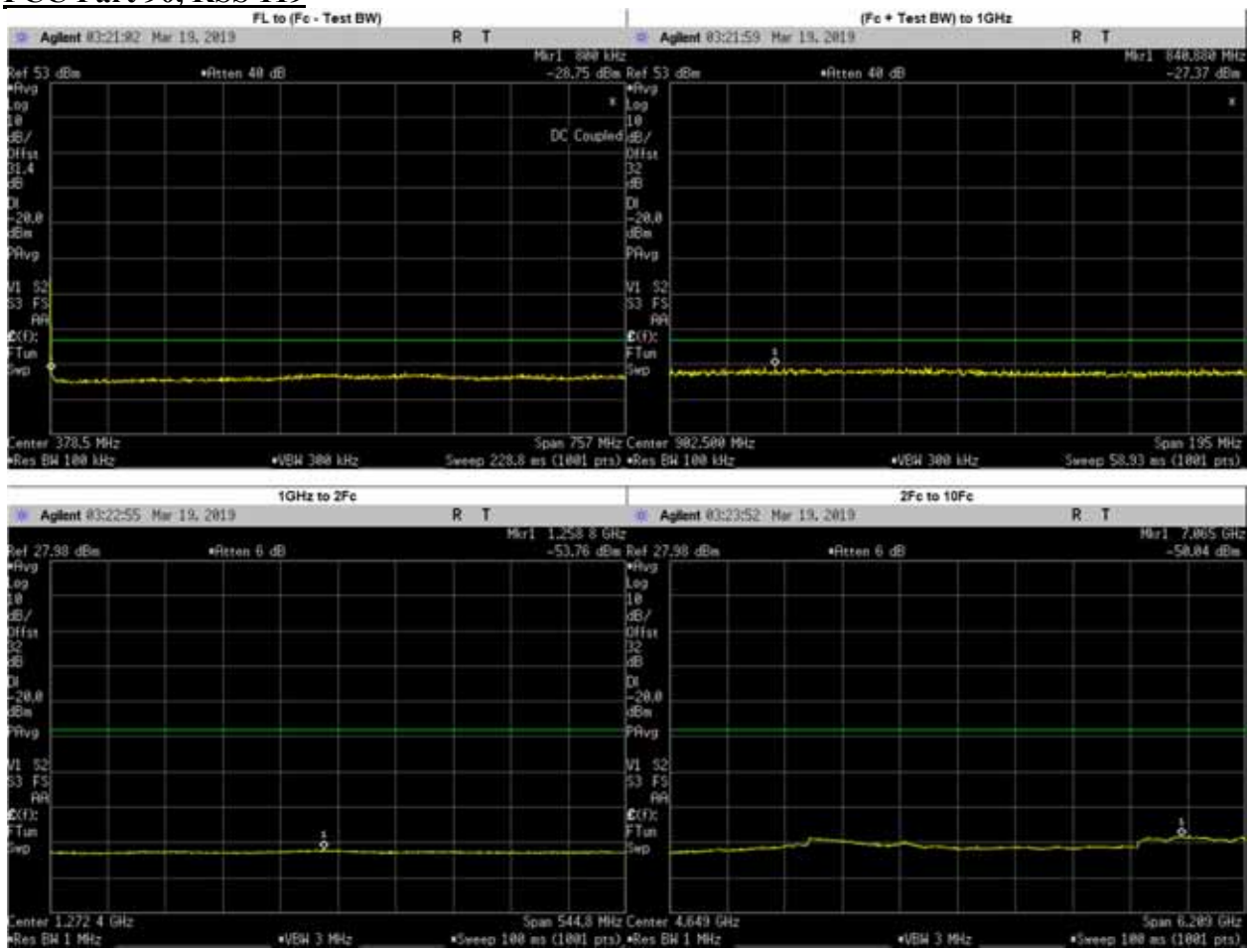
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	604.0878	-27.7405	-20	PASS
(Fc + Test BW) to 1GHz	848.6800	-29.5991	-20	PASS
1GHz to 2Fc	1246.3270	-53.9600	-20	PASS
2Fc to 10Fc	7159.7200	-50.2000	-20	PASS
	1538.1750	-54.9657	-20	PASS
	2307.2620	-54.1159	-20	PASS
	3076.3500	-50.8029	-20	PASS
	3845.4370	-52.6548	-20	PASS
	4614.5250	-53.3750	-20	PASS
	5383.6130	-53.1608	-20	PASS
	6152.7000	-53.0650	-20	PASS
	6921.7880	-51.0378	-20	PASS
	7690.8750	-50.6279	-20	PASS

<u>Analog:</u> 769.0875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



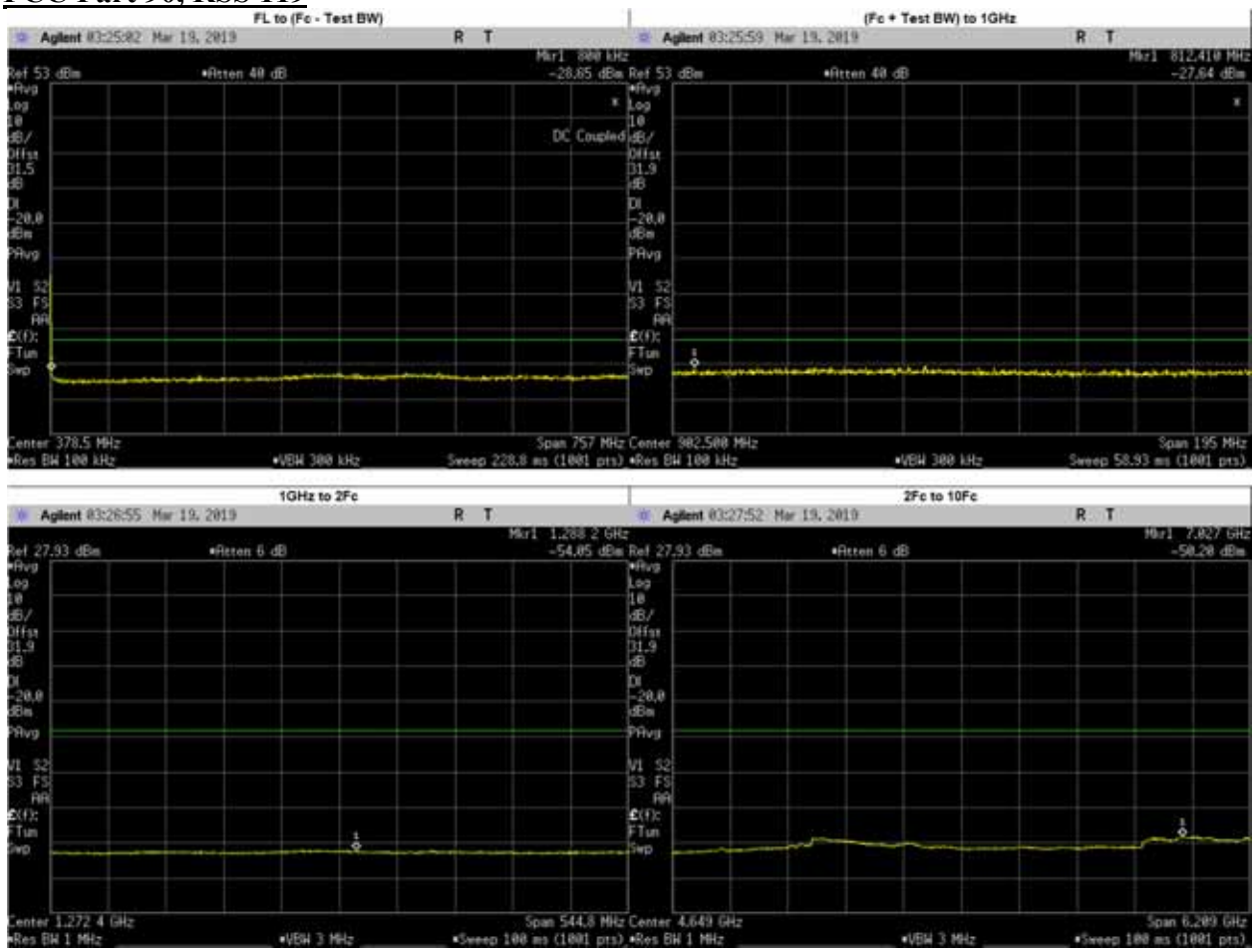
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	466.3155	-28.1153	-20	PASS
(Fc + Test BW) to 1GHz	877.7350	-29.0900	-20	PASS
1GHz to 2Fc	1281.5160	-53.9700	-20	PASS
2Fc to 10Fc	7048.7920	-50.2100	-20	PASS
	1538.1750	-54.8412	-20	PASS
	2307.2620	-54.0310	-20	PASS
	3076.3500	-50.9511	-20	PASS
	3845.4370	-52.9975	-20	PASS
	4614.5250	-53.5350	-20	PASS
	5383.6130	-53.3507	-20	PASS
	6152.7000	-53.2474	-20	PASS
	6921.7880	-51.2938	-20	PASS
	7690.8750	-50.7821	-20	PASS

<u>Analog:</u> 774.8875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



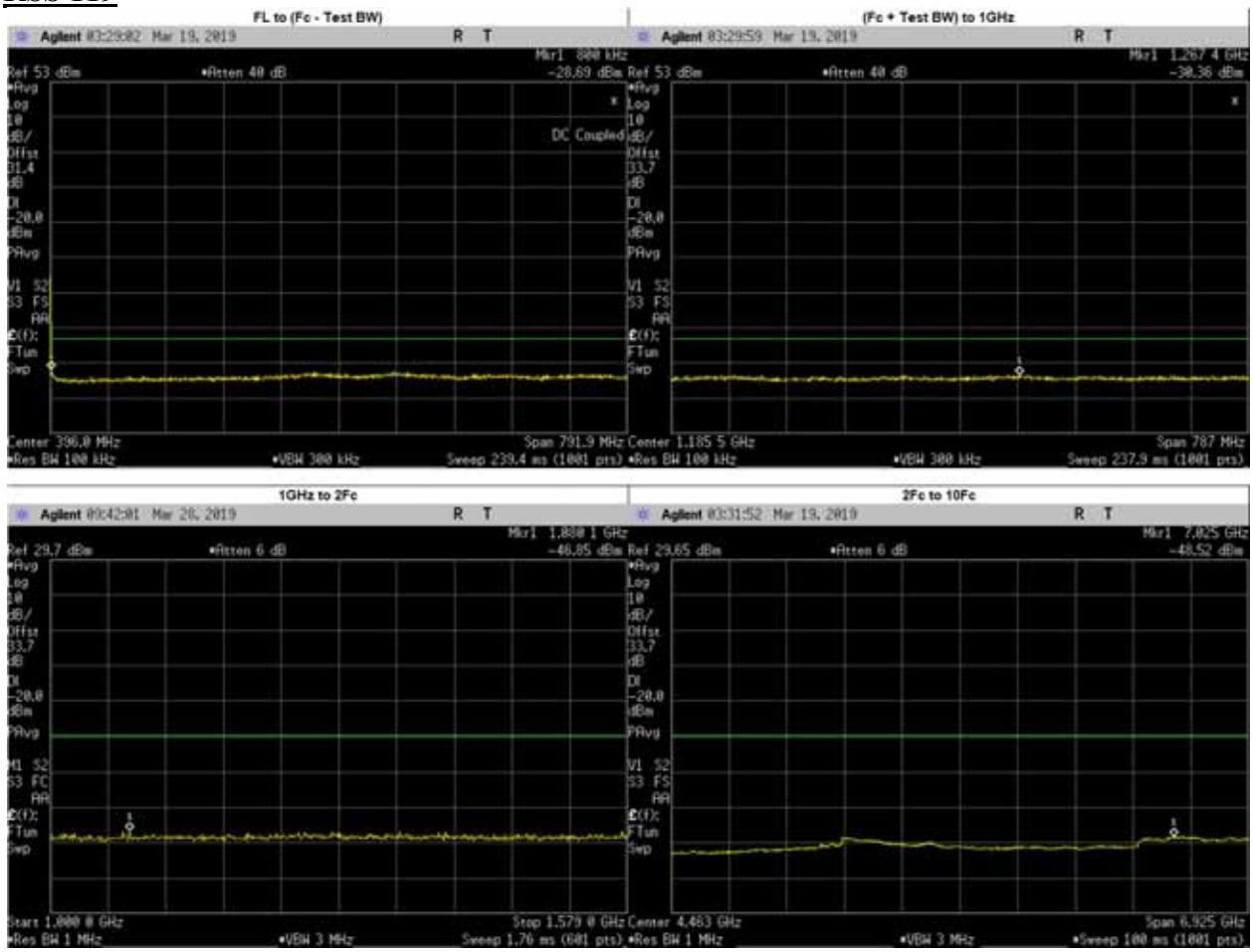
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	466.3155	-29.5524	-20	PASS
(Fc + Test BW) to 1GHz	840.8800	-27.3700	-20	PASS
1GHz to 2Fc	1258.7680	-53.7600	-20	PASS
2Fc to 10Fc	7065.0000	-50.0400	-20	PASS
	1549.7750	-54.7711	-20	PASS
	2324.6620	-54.0235	-20	PASS
	3099.5500	-50.8296	-20	PASS
	3874.4370	-52.7277	-20	PASS
	4649.3250	-53.8540	-20	PASS
	5424.2120	-53.3581	-20	PASS
	6199.1000	-53.3261	-20	PASS
	6973.9880	-50.8866	-20	PASS
	7748.8750	-51.0653	-20	PASS

<u>Analog:</u> 774.8875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



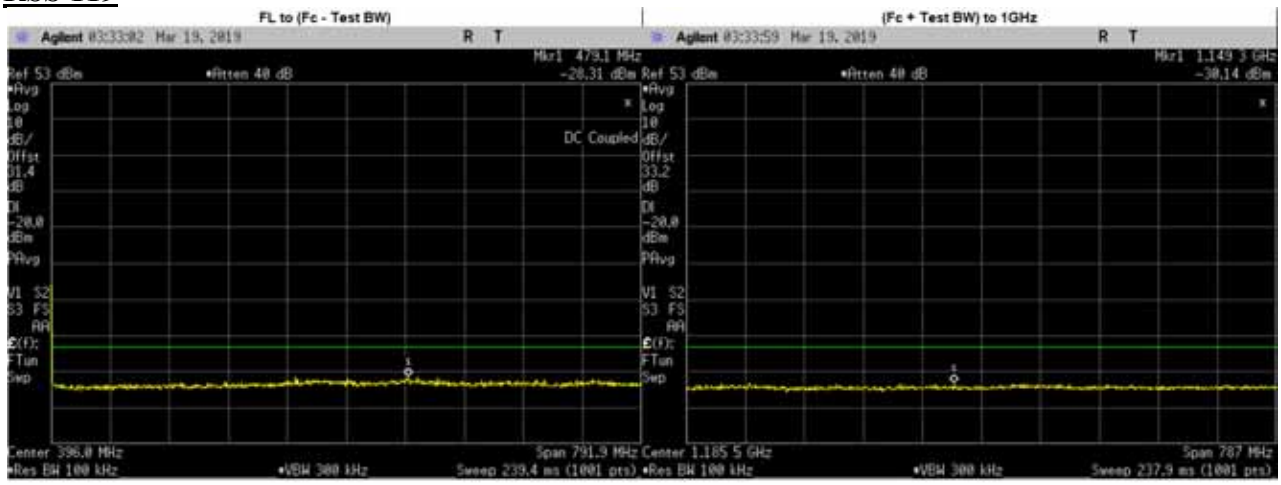
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	507.1930	-29.6564	-20	PASS
(Fc + Test BW) to 1GHz	812.4100	-27.6400	-20	PASS
1GHz to 2Fc	1288.1860	-54.0500	-20	PASS
2Fc to 10Fc	7027.4100	-50.2000	-20	PASS
	1549.7750	-54.9313	-20	PASS
	2324.6620	-54.1455	-20	PASS
	3099.5500	-50.8645	-20	PASS
	3874.4370	-52.8218	-20	PASS
	4649.3250	-53.7610	-20	PASS
	5424.2120	-53.3563	-20	PASS
	6199.1000	-53.3746	-20	PASS
	6973.9880	-50.9555	-20	PASS
	7748.8750	-51.0178	-20	PASS

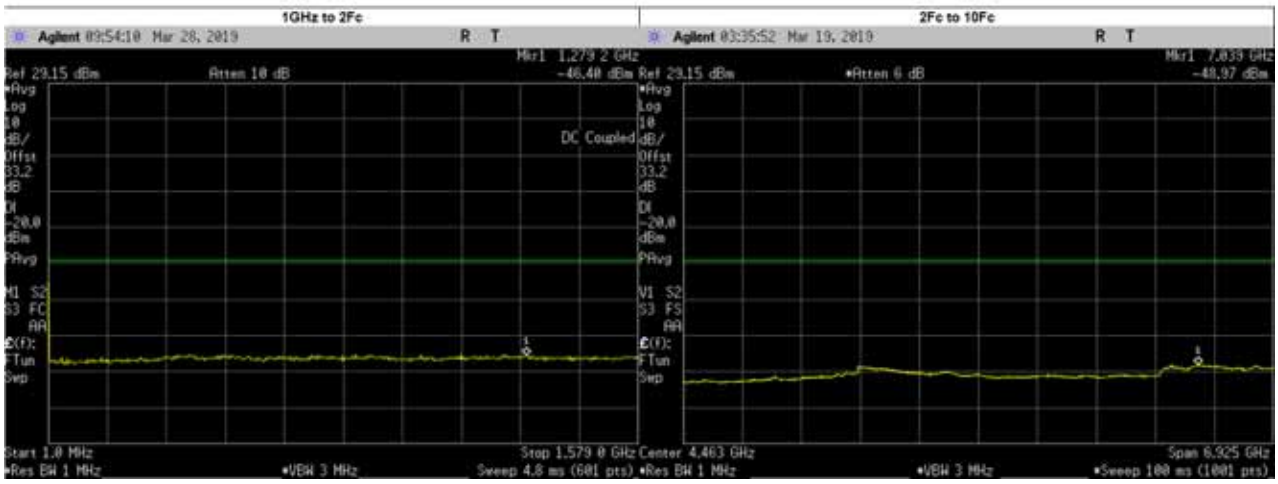
<u>Analog:</u> 792.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	471.2180	-29.5680	-20	PASS
(Fc + Test BW) to 1GHz	1267.3900	-30.3600	-20	PASS
1GHz to 2Fc	1080.1000	-46.8500	-20	PASS
2Fc to 10Fc	7024.8590	-48.5200	-20	PASS
	1584.0250	-53.2293	-20	PASS
	2376.0370	-52.1846	-20	PASS
	3168.0500	-49.1684	-20	PASS
	3960.0620	-51.0981	-20	PASS
	4752.0750	-51.8680	-20	PASS
	5544.0870	-51.8144	-20	PASS
	6336.1000	-51.6311	-20	PASS
	7128.1130	-48.5524	-20	PASS
	7920.1250	-49.1507	-20	PASS

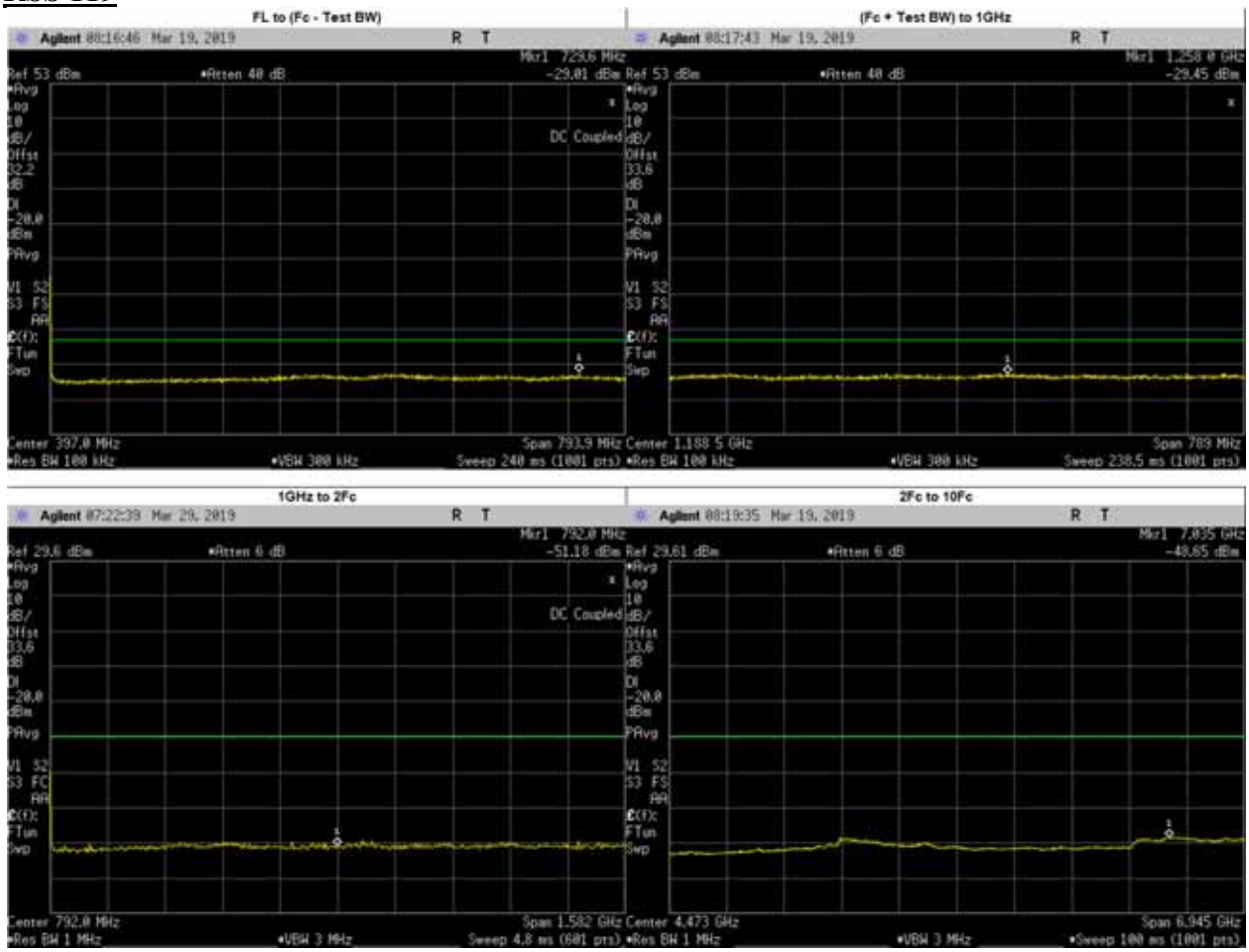
<u>Analog:</u> 792.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>





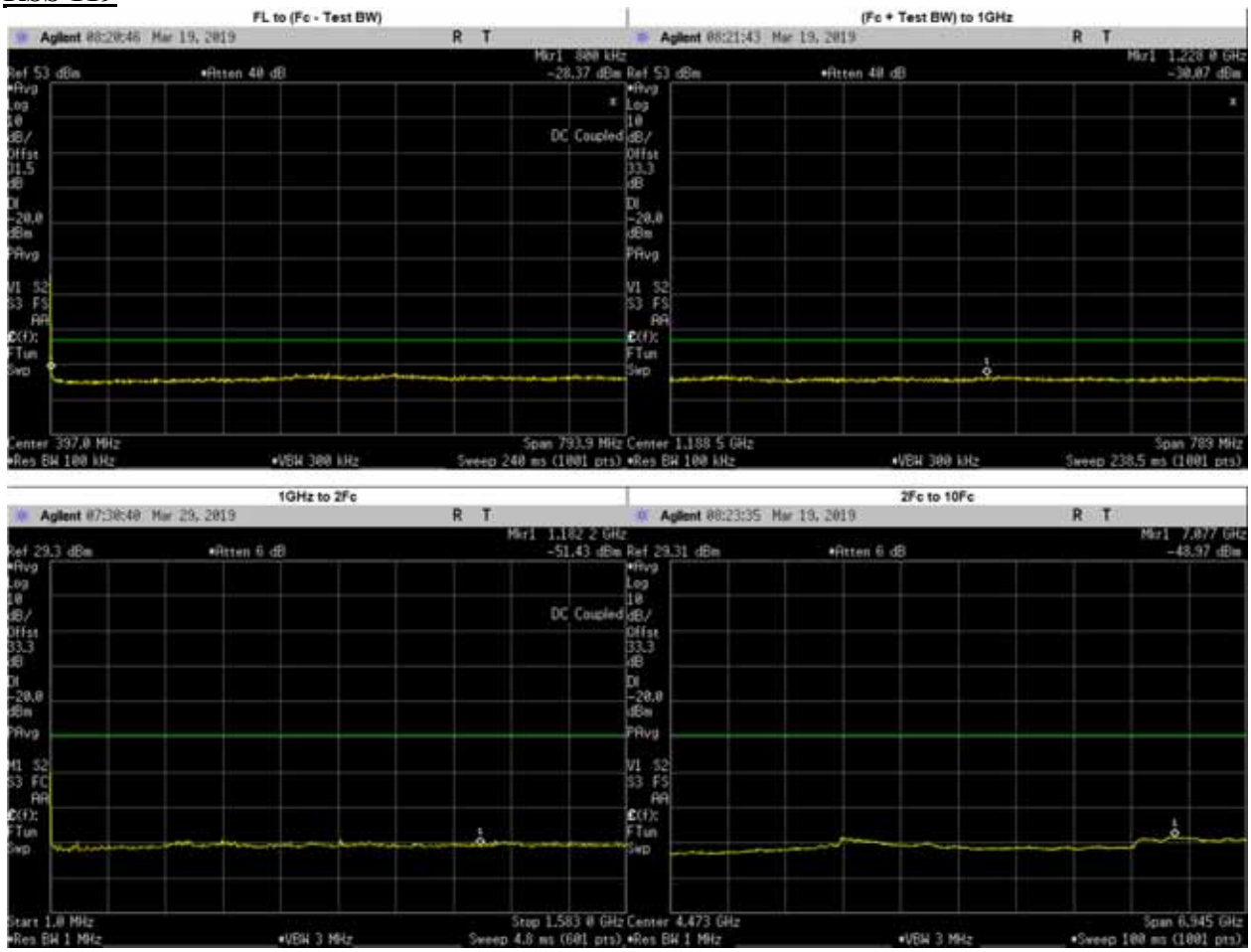
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	479.1375	-28.5258	-20	PASS
(Fc + Test BW) to 1GHz	1149.3470	-30.1400	-20	PASS
1GHz to 2Fc	1279.2000	-46.4000	-20	PASS
2Fc to 10Fc	7039.0000	-48.9700	-20	PASS
	1584.0250	-53.6422	-20	PASS
	2376.0370	-52.7240	-20	PASS
	3168.0500	-49.6015	-20	PASS
	3960.0620	-51.5463	-20	PASS
	4752.0750	-52.3869	-20	PASS
	5544.0870	-52.2373	-20	PASS
	6336.1000	-51.8622	-20	PASS
	7128.1130	-49.3320	-20	PASS
	7920.1250	-49.8374	-20	PASS

<u>Analog:</u> 794.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



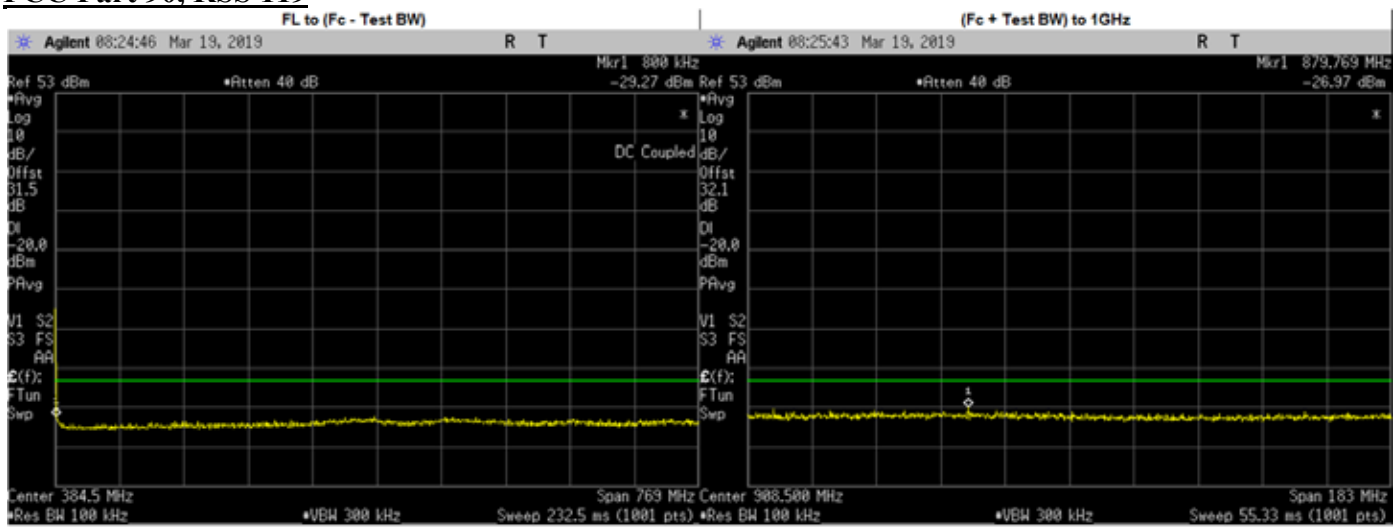
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	729.6471	-29.3010	-20	PASS
(Fc + Test BW) to 1GHz	1258.0000	-29.4500	-20	PASS
1GHz to 2Fc	792.0000	-51.1800	-20	PASS
2Fc to 10Fc	7035.3140	-48.6500	-20	PASS
	1588.0250	-53.1990	-20	PASS
	2382.0370	-52.4047	-20	PASS
	3176.0500	-49.5447	-20	PASS
	3970.0620	-51.1045	-20	PASS
	4764.0750	-51.9784	-20	PASS
	5558.0870	-52.1214	-20	PASS
	6352.1000	-51.6951	-20	PASS
	7146.1130	-48.8667	-20	PASS
	7940.1250	-49.3741	-20	PASS

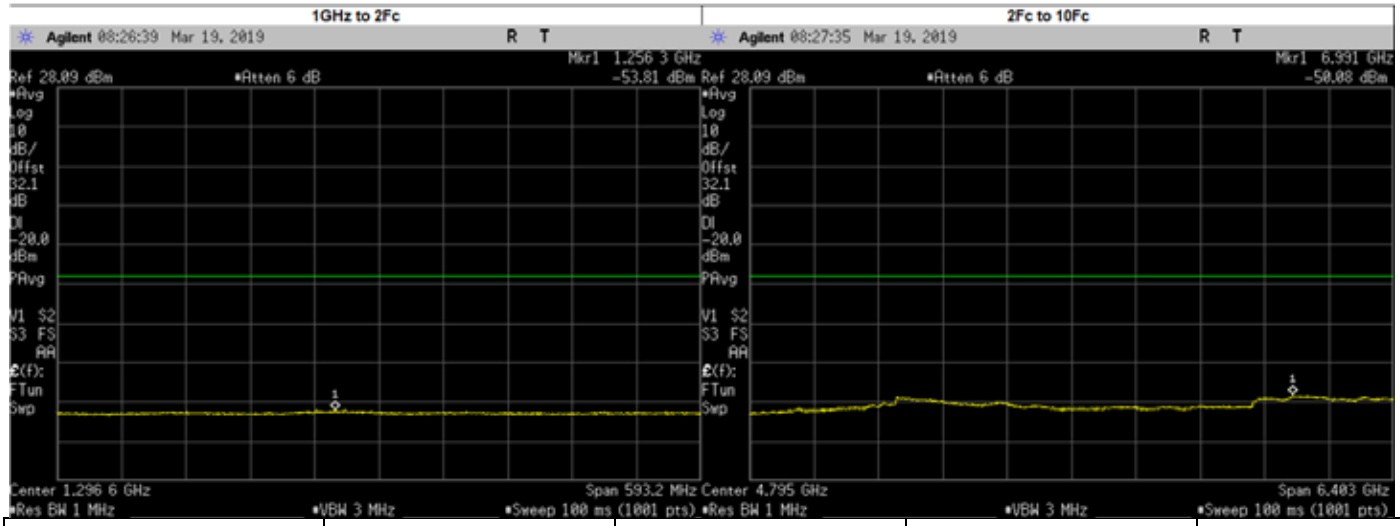
<u>Analog:</u> 794.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	382.6919	-29.4651	-20	PASS
(Fc + Test BW) to 1GHz	1228.0000	-30.0700	-20	PASS
1GHz to 2Fc	1182.2000	-51.4300	-20	PASS
2Fc to 10Fc	7077.0000	-48.9700	-20	PASS
	1588.0250	-53.7321	-20	PASS
	2382.0370	-52.6379	-20	PASS
	3176.0500	-49.4781	-20	PASS
	3970.0620	-51.3641	-20	PASS
	4764.0750	-52.4524	-20	PASS
	5558.0870	-52.2045	-20	PASS
	6352.1000	-52.0715	-20	PASS
	7146.1130	-49.1909	-20	PASS
	7940.1250	-49.9264	-20	PASS

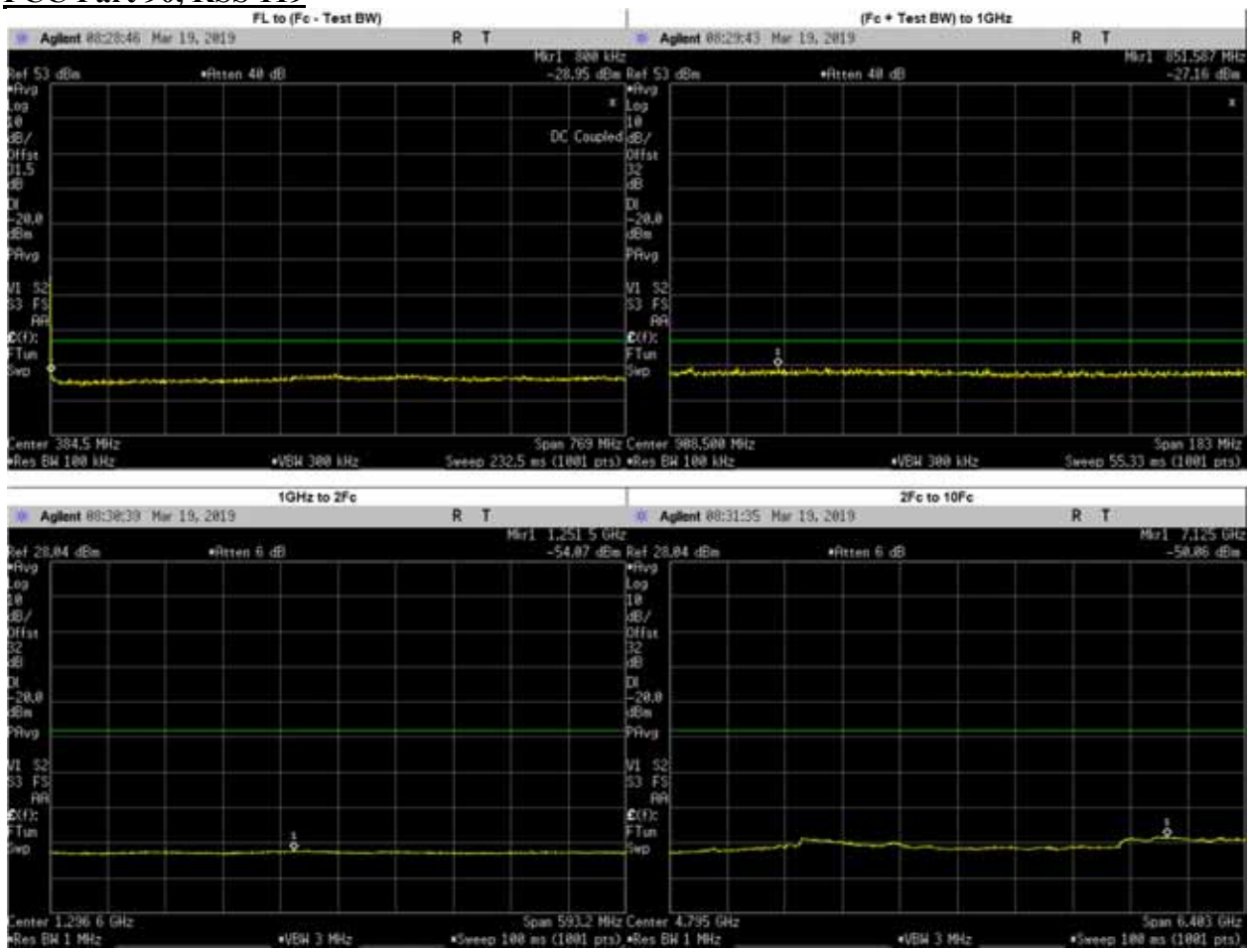
<u>Analog:</u> 799.0875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>





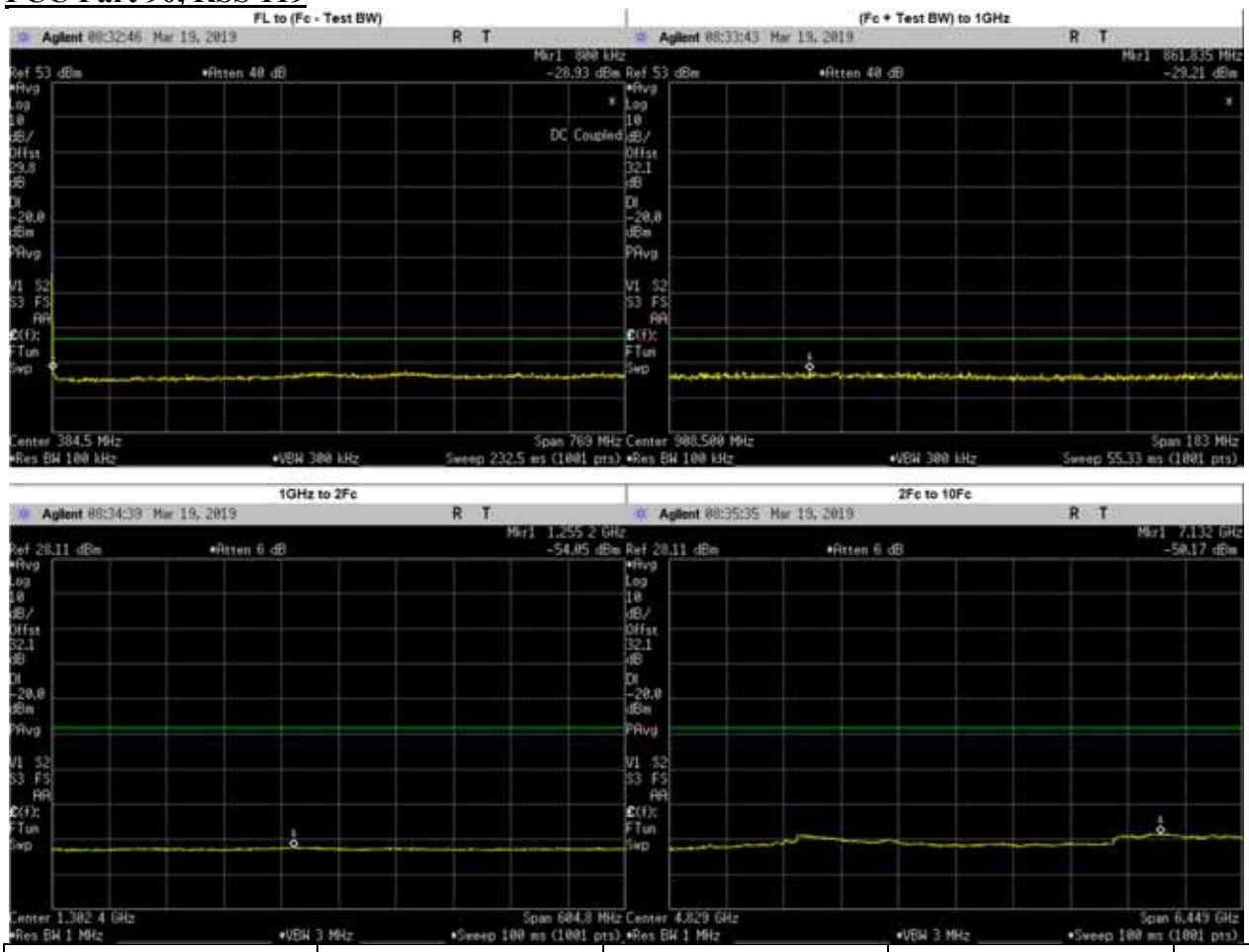
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	380.6595	-29.4912	-20	PASS
(Fc + Test BW) to 1GHz	879.7690	-26.9700	-20	PASS
1GHz to 2Fc	1256.3000	-53.8100	-20	PASS
2Fc to 10Fc	6991.0000	-50.0800	-20	PASS
	1598.1750	-54.7476	-20	PASS
	2397.2620	-53.8679	-20	PASS
	3196.3500	-51.2484	-20	PASS
	3995.4370	-52.2813	-20	PASS
	4794.5250	-53.5120	-20	PASS
	5593.6130	-53.5975	-20	PASS
	6392.7000	-53.3473	-20	PASS
	7191.7880	-50.5337	-20	PASS
	7990.8750	-50.9101	-20	PASS

<u>Analog:</u> 799.0875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



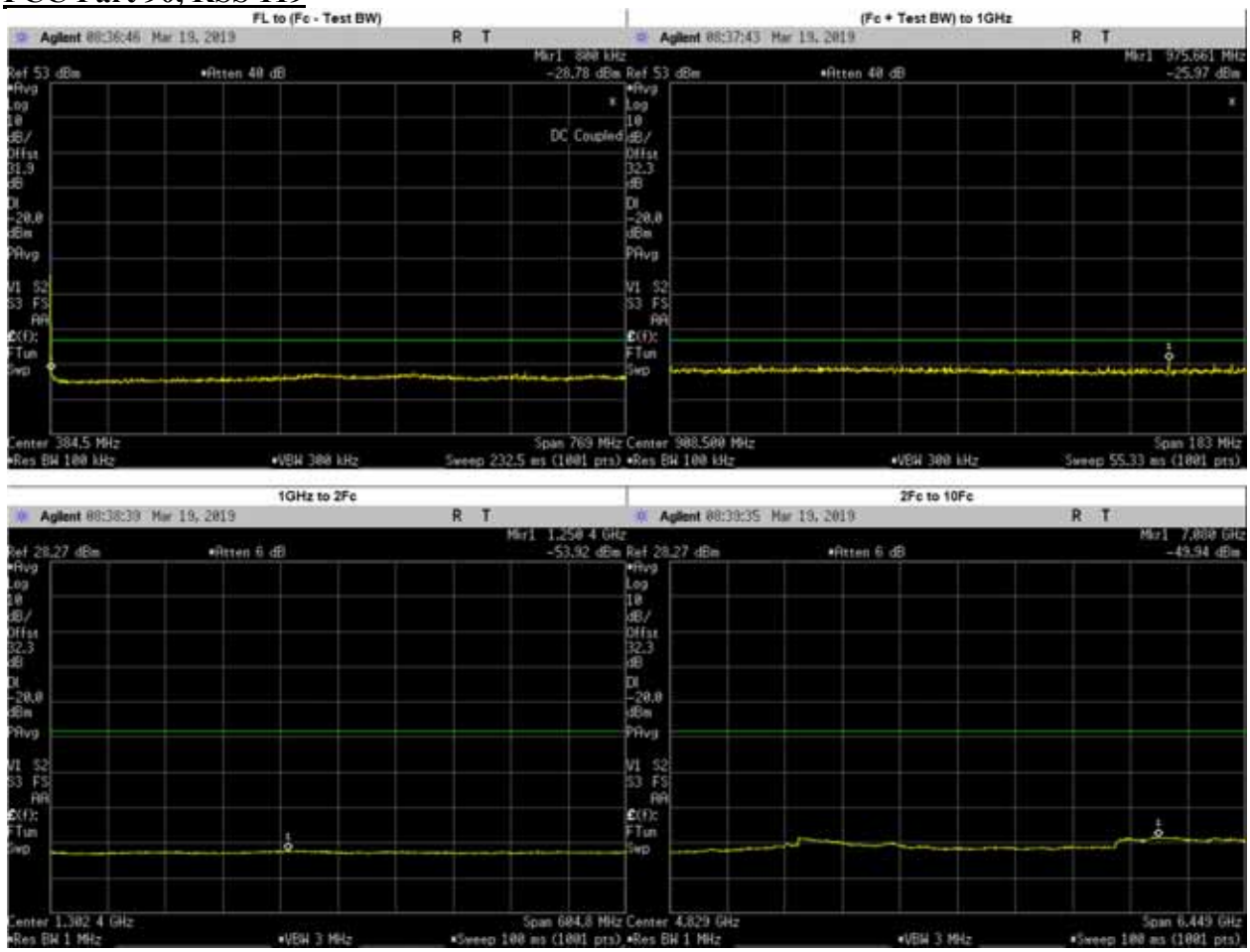
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	379.8906	-29.4912	-20	PASS
(Fc + Test BW) to 1GHz	851.5870	-27.1600	-20	PASS
1GHz to 2Fc	1251.5060	-54.0700	-20	PASS
2Fc to 10Fc	7125.1080	-50.0600	-20	PASS
	1598.1750	-54.8256	-20	PASS
	2397.2620	-53.9548	-20	PASS
	3196.3500	-51.1400	-20	PASS
	3995.4370	-52.4169	-20	PASS
	4794.5250	-53.7060	-20	PASS
	5593.6130	-53.8053	-20	PASS
	6392.7000	-53.3399	-20	PASS
	7191.7880	-50.4966	-20	PASS
	7990.8750	-50.9305	-20	PASS

<u>Analog:</u> 804.9125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



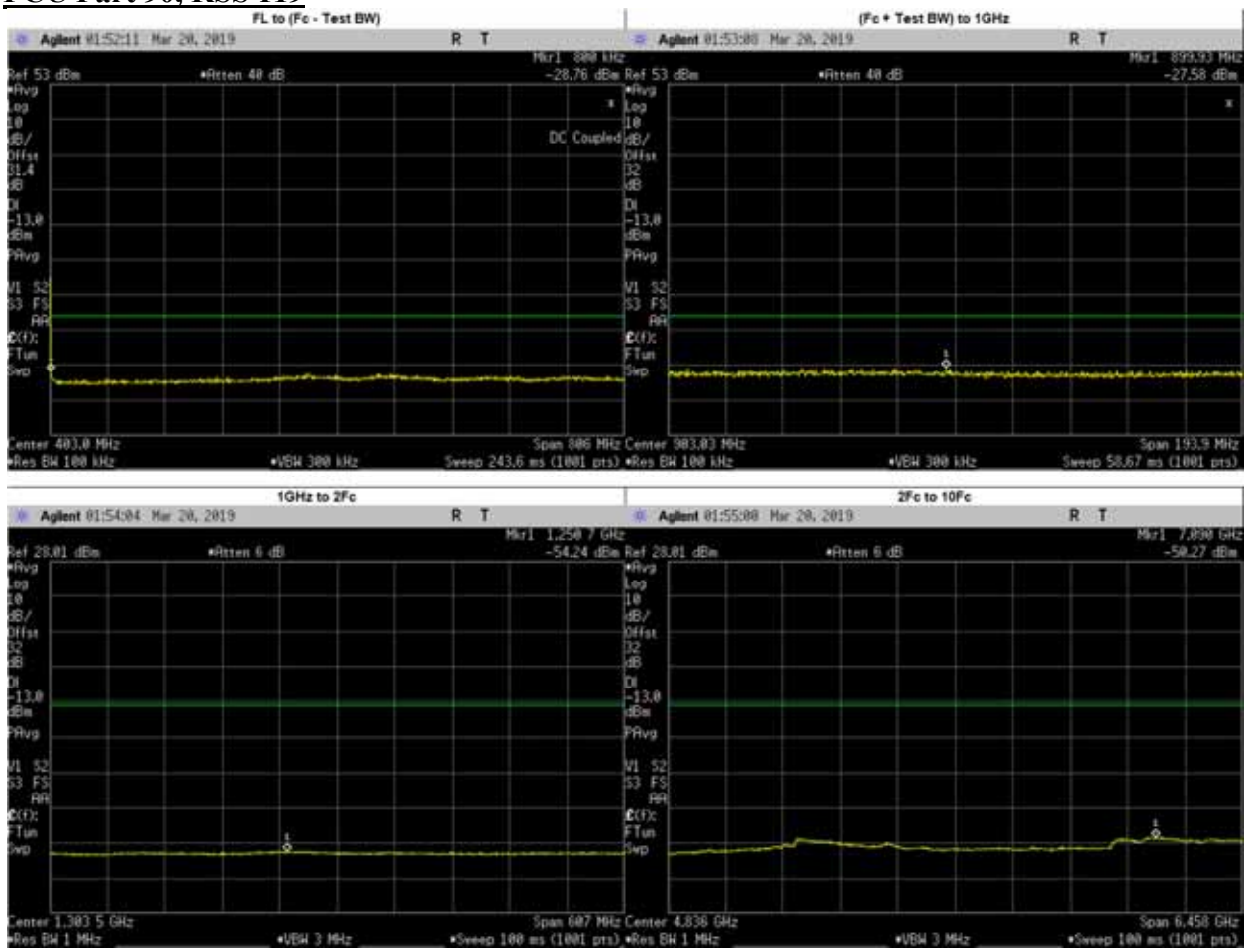
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	365.2797	-27.8981	-20	PASS
(Fc + Test BW) to 1GHz	861.8350	-29.2100	-20	PASS
1GHz to 2Fc	1255.2360	-54.0500	-20	PASS
2Fc to 10Fc	7131.8750	-50.1700	-20	PASS
	1609.8250	-54.4940	-20	PASS
	2414.7380	-53.6559	-20	PASS
	3219.6500	-51.1743	-20	PASS
	4024.5620	-52.2492	-20	PASS
	4829.4750	-53.5810	-20	PASS
	5634.3870	-53.2513	-20	PASS
	6439.3000	-53.1092	-20	PASS
	7244.2120	-50.5390	-20	PASS
	8049.1250	-51.4638	-20	PASS

<u>Analog:</u> 804.9125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



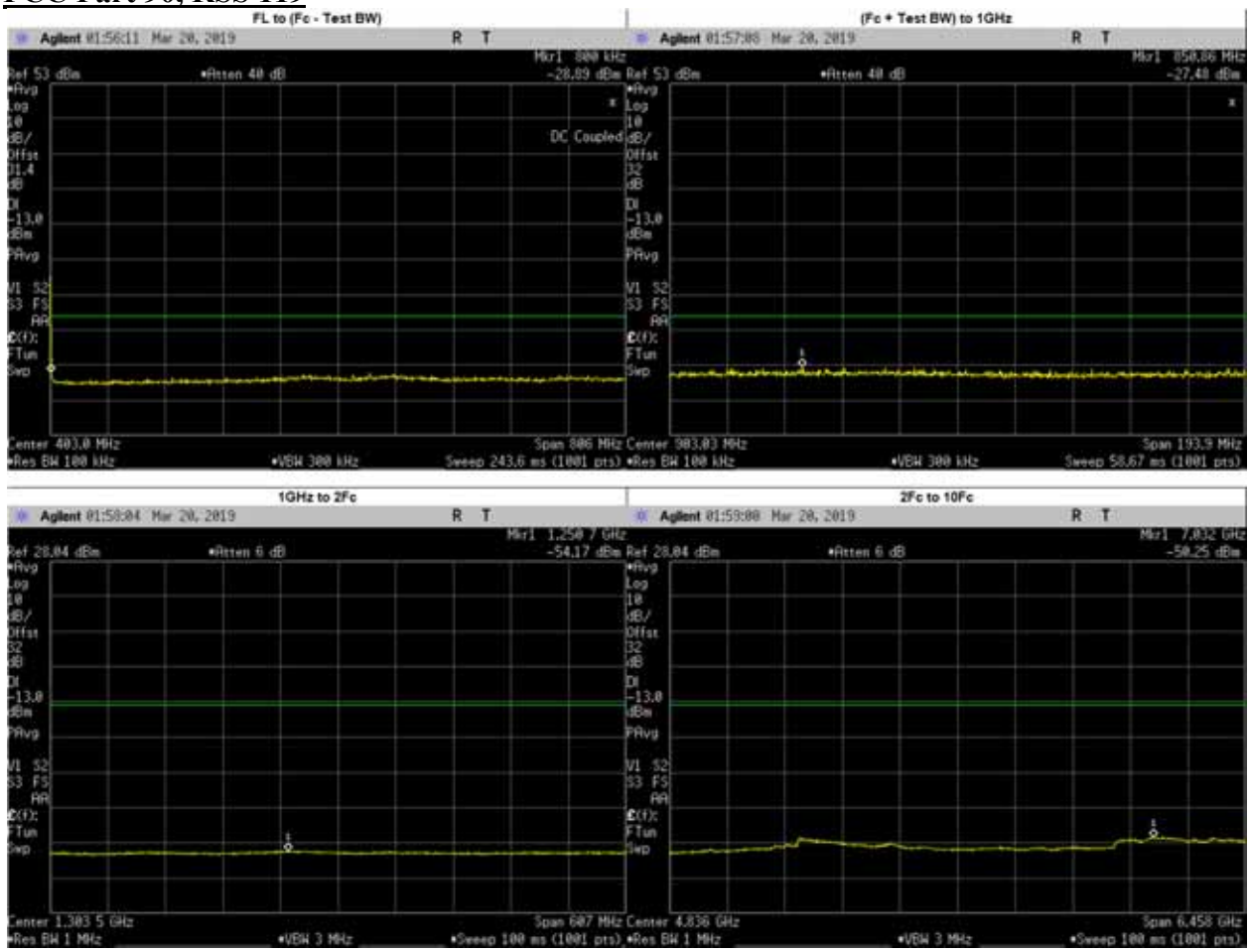
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	634.4266	-29.6813	-20	PASS
(Fc + Test BW) to 1GHz	975.6610	-25.9700	-20	PASS
1GHz to 2Fc	1250.3980	-53.9200	-20	PASS
2Fc to 10Fc	7080.2810	-49.9400	-20	PASS
	1609.8250	-54.5847	-20	PASS
	2414.7380	-53.5060	-20	PASS
	3219.6500	-51.0019	-20	PASS
	4024.5620	-52.1325	-20	PASS
	4829.4750	-53.3720	-20	PASS
	5634.3870	-53.2450	-20	PASS
	6439.3000	-53.1375	-20	PASS
	7244.2120	-50.3522	-20	PASS
	8049.1250	-51.3076	-20	PASS

<u>Analog:</u> 806.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



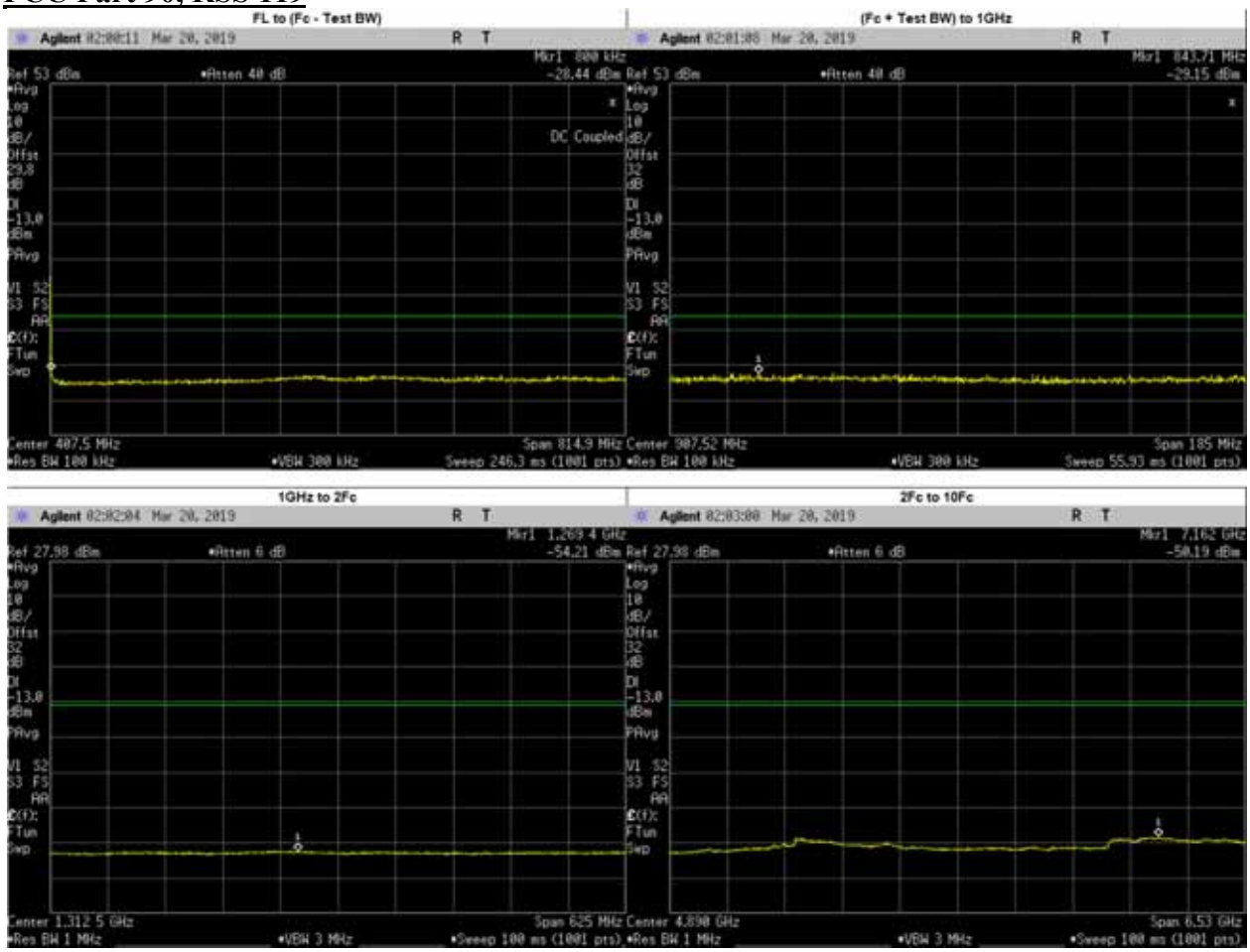
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	478.7454	-29.4142	-13	PASS
(Fc + Test BW) to 1GHz	899.9283	-27.8602	-13	PASS
1GHz to 2Fc	1250.7010	-54.2400	-13	PASS
2Fc to 10Fc	7089.9520	-50.2700	-13	PASS
	1612.0250	-54.8623	-13	PASS
	2418.0370	-54.0118	-13	PASS
	3224.0500	-51.1859	-13	PASS
	4030.0620	-52.4907	-13	PASS
	4836.0750	-53.6390	-13	PASS
	5642.0870	-53.8000	-13	PASS
	6448.1000	-53.4278	-13	PASS
	7254.1130	-50.7634	-13	PASS
	8060.1250	-51.4231	-13	PASS

<u>Analog:</u> 806.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



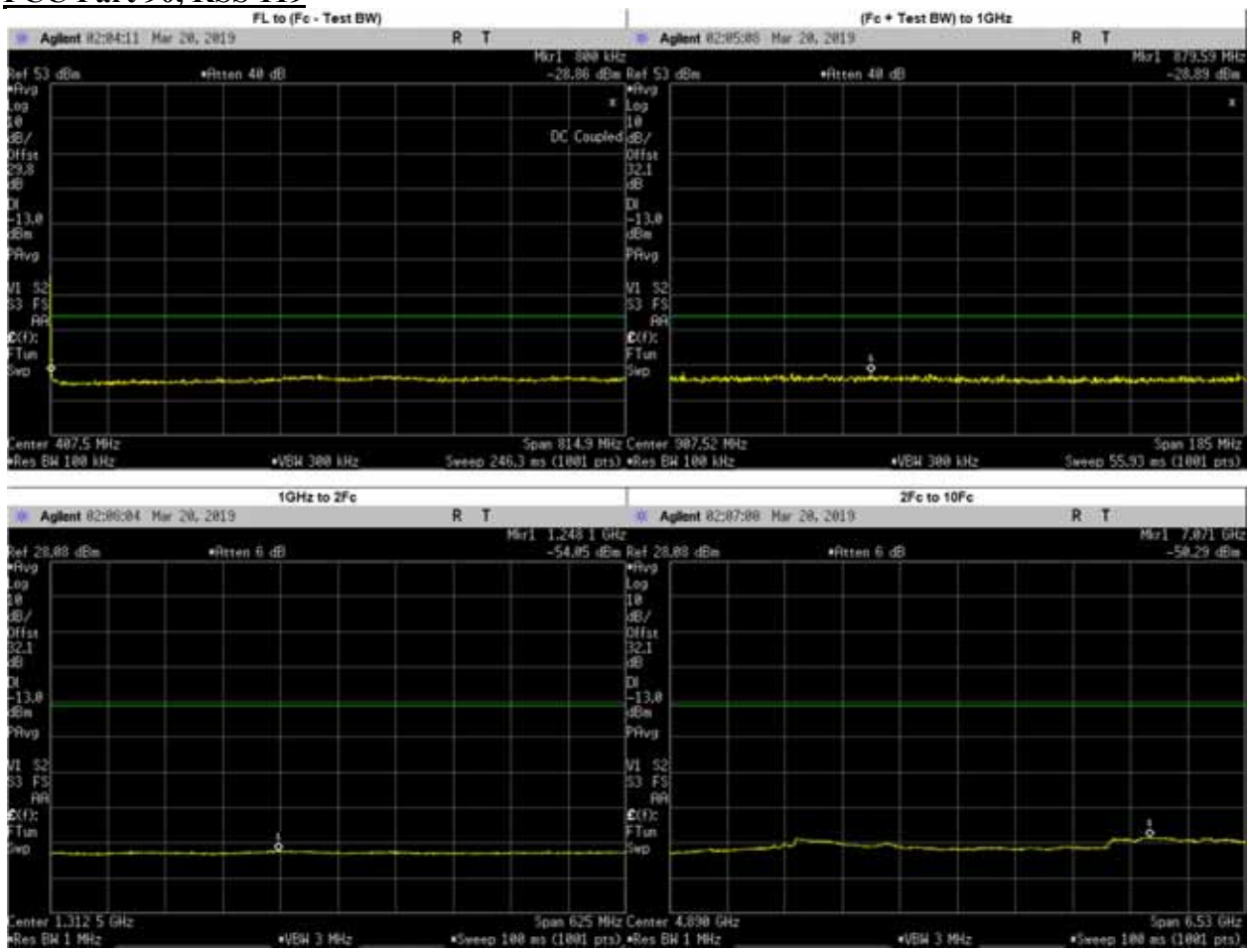
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	447.3132	-29.5243	-13	PASS
(Fc + Test BW) to 1GHz	850.8621	-27.8716	-13	PASS
1GHz to 2Fc	1250.7010	-54.1700	-13	PASS
2Fc to 10Fc	7031.8290	-50.2500	-13	PASS
	1612.0250	-54.8302	-13	PASS
	2418.0370	-53.9496	-13	PASS
	3224.0500	-51.4219	-13	PASS
	4030.0620	-52.5276	-13	PASS
	4836.0750	-53.5990	-13	PASS
	5642.0870	-53.6783	-13	PASS
	6448.1000	-53.3905	-13	PASS
	7254.1130	-50.8112	-13	PASS
	8060.1250	-51.5775	-13	PASS

<u>Analog:</u> 814.9875 MHz, 12.5kHz Channel Spacing, High Power
<u>FCC Part 90, RSS 119</u>



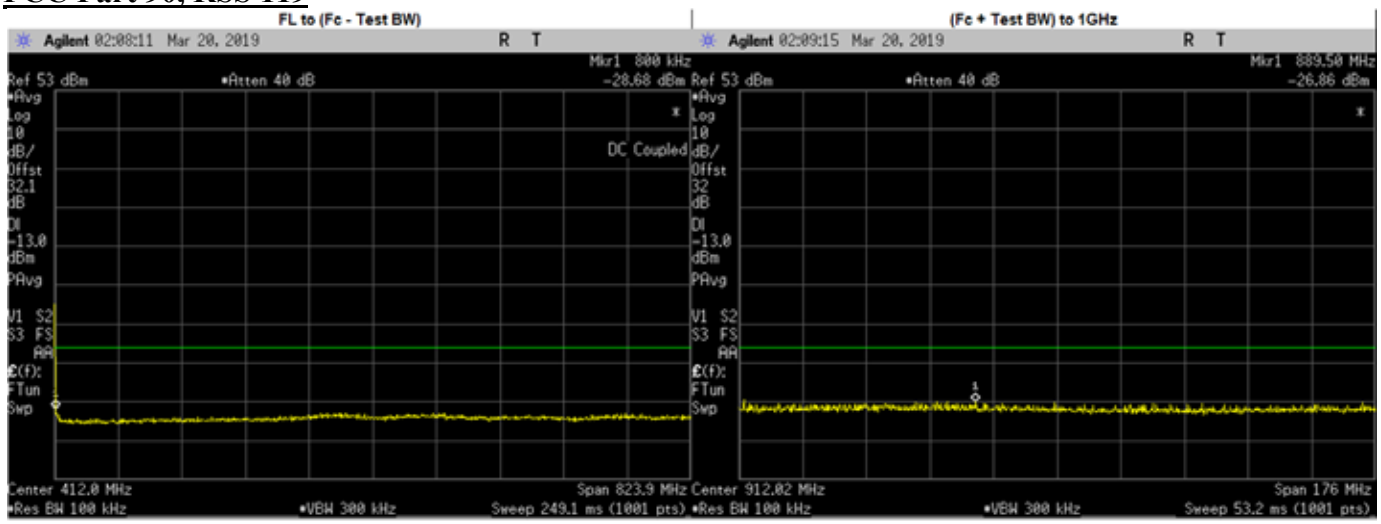
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	638.9129	-27.9424	-20	PASS
(Fc + Test BW) to 1GHz	843.7067	-29.5107	-20	PASS
1GHz to 2Fc	1269.3640	-54.2100	-20	PASS
2Fc to 10Fc	7162.3300	-50.1900	-20	PASS
	1629.9750	-54.5968	-20	PASS
	2444.9630	-53.9271	-20	PASS
	3259.9500	-51.5207	-20	PASS
	4074.9370	-52.2105	-20	PASS
	4889.9250	-53.9790	-20	PASS
	5704.9130	-53.2535	-20	PASS
	6519.9000	-53.2837	-20	PASS
	7334.8870	-51.1128	-20	PASS
	8149.8750	-51.8904	-20	PASS

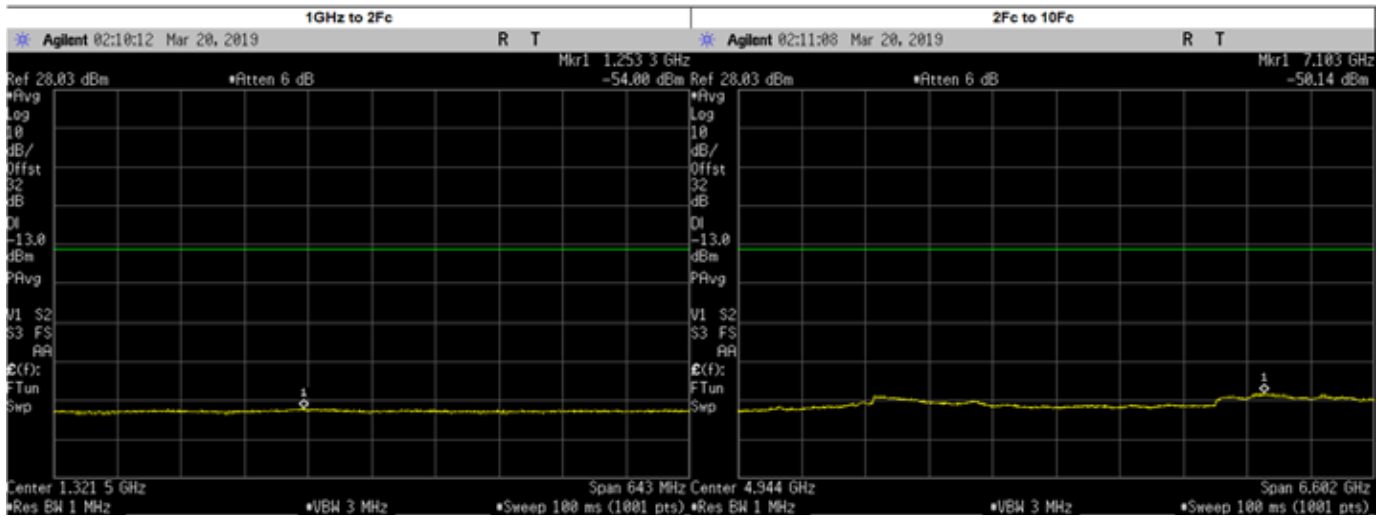
Analog: 814.9875 MHz, 12.5kHz Channel Spacing, Low Power
FCC Part 90, RSS 119



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	381.3955	-28.0756	-20	PASS
(Fc + Test BW) to 1GHz	879.5894	-29.2000	-20	PASS
1GHz to 2Fc	1248.1150	-54.0500	-20	PASS
2Fc to 10Fc	7070.9120	-50.2900	-20	PASS
	1629.9750	-54.7839	-20	PASS
	2444.9630	-53.8823	-20	PASS
	3259.9500	-51.3937	-20	PASS
	4074.9370	-52.0830	-20	PASS
	4889.9250	-53.4700	-20	PASS
	5704.9130	-53.2825	-20	PASS
	6519.9000	-53.3277	-20	PASS
	7334.8870	-50.9328	-20	PASS
	8149.8750	-51.7989	-20	PASS

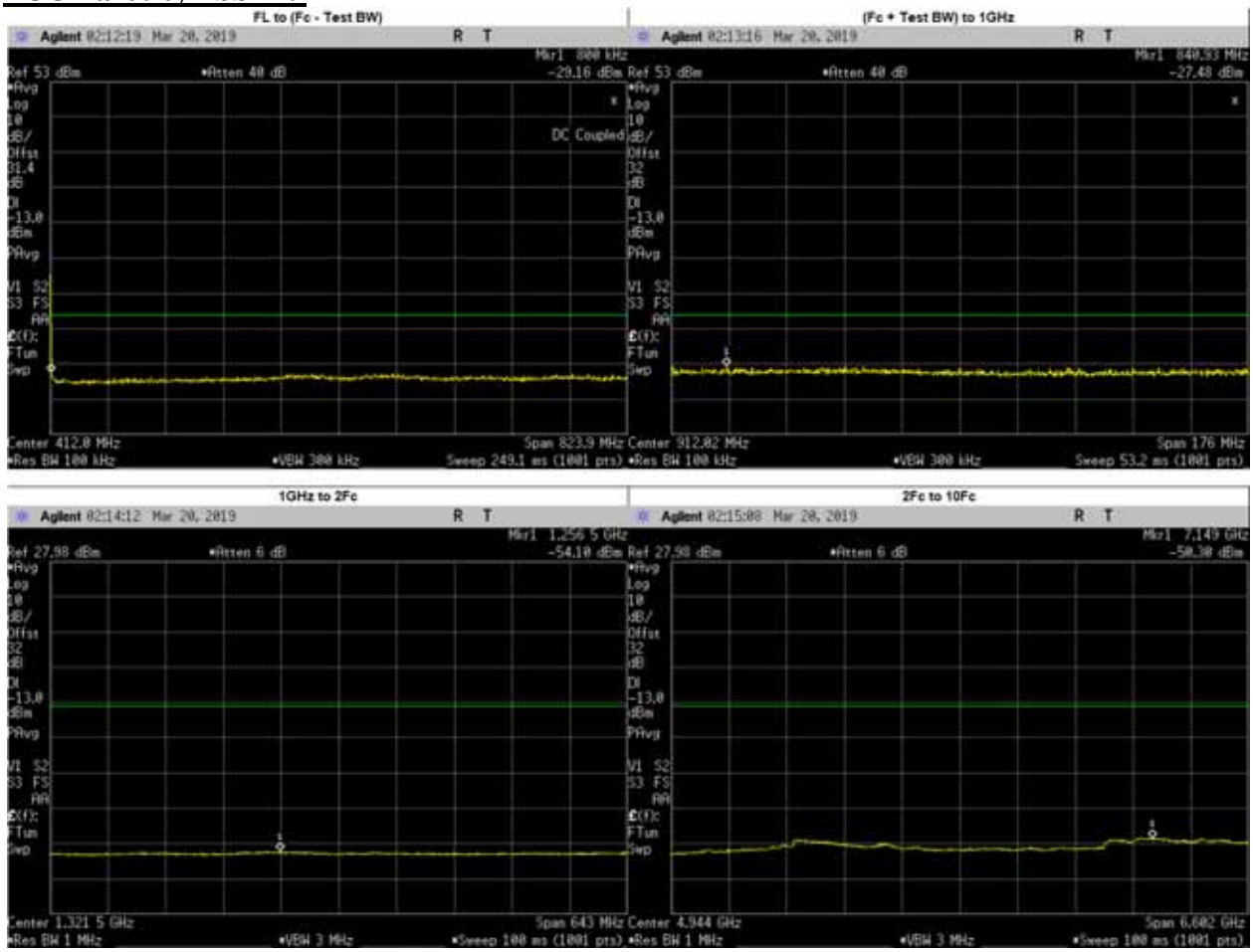
Analog: 823.9875 MHz, 12.5kHz Channel Spacing, High Power
FCC Part 90, RSS 119





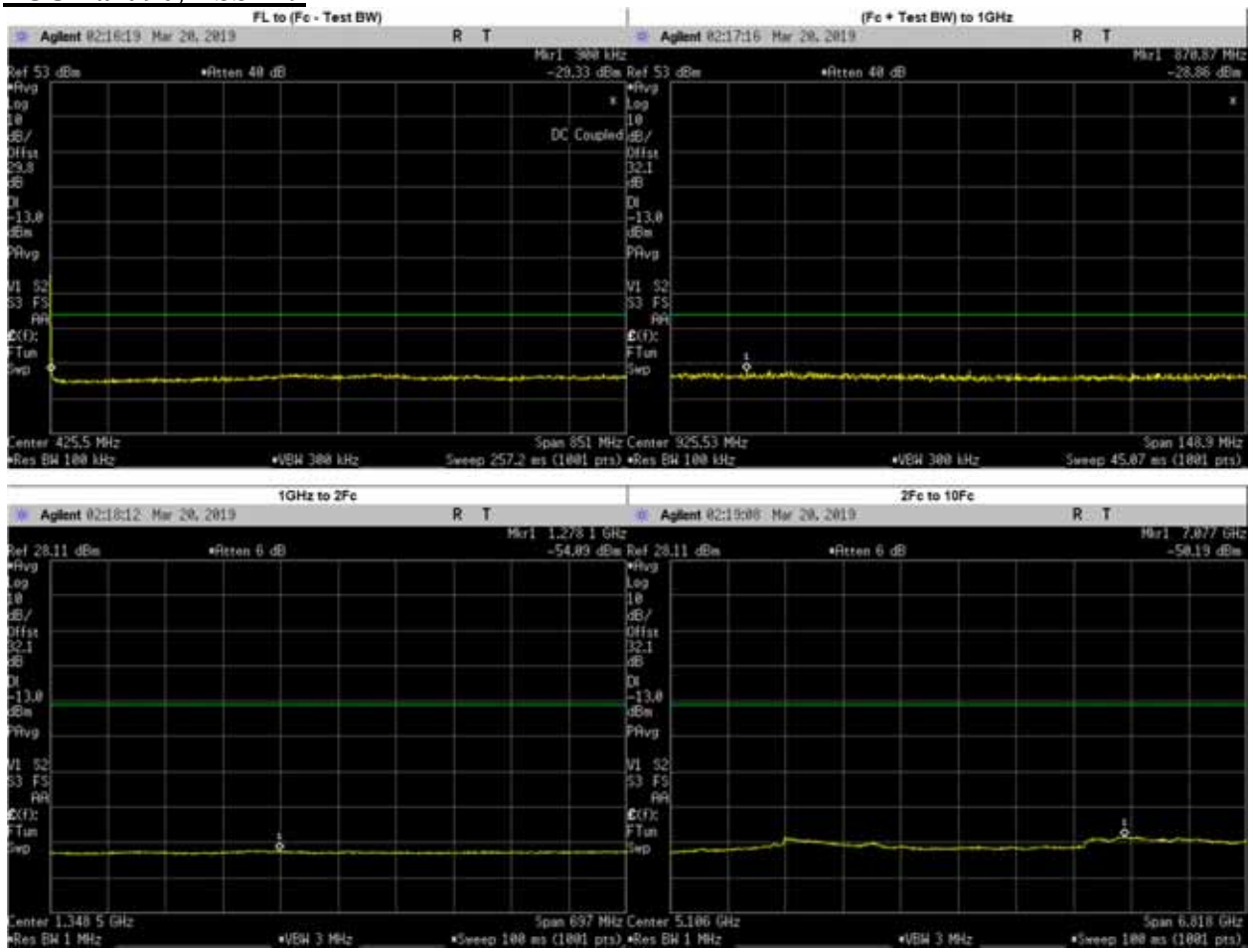
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	739.0729	-29.9237	-20	PASS
(Fc + Test BW) to 1GHz	889.4955	-27.1494	-20	PASS
1GHz to 2Fc	1253.3320	-54.0000	-20	PASS
2Fc to 10Fc	7102.7460	-50.1400	-20	PASS
	1647.9750	-54.9592	-20	PASS
	2471.9630	-53.9111	-20	PASS
	3295.9500	-51.6138	-20	PASS
	4119.9370	-52.3467	-20	PASS
	4943.9250	-53.5840	-20	PASS
	5767.9130	-53.2593	-20	PASS
	6591.9000	-53.2821	-20	PASS
	7415.8870	-51.3586	-20	PASS
	8239.8750	-51.6638	-20	PASS

<u>Analog:</u> 823.9875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



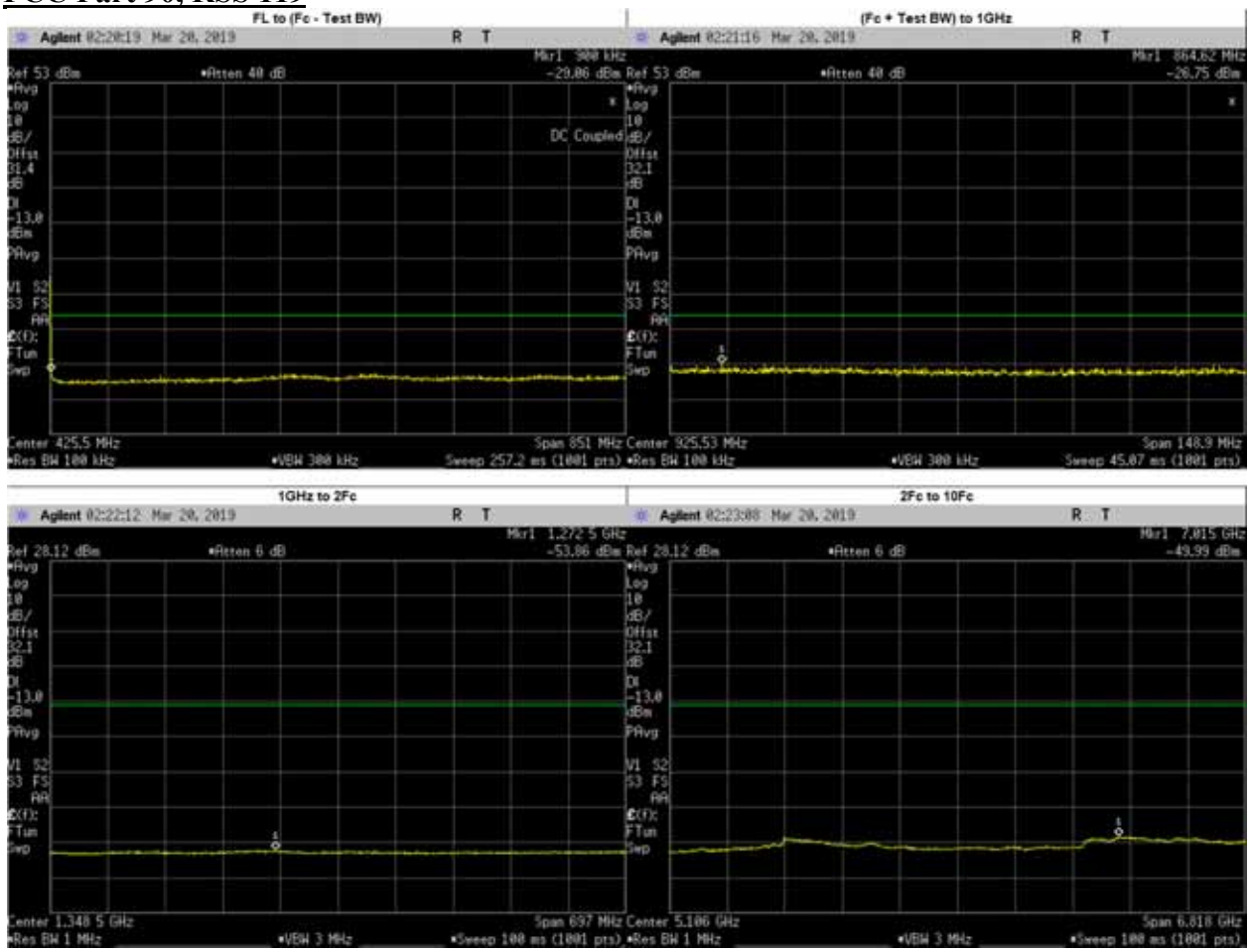
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	496.8379	-29.6699	-20	PASS
(Fc + Test BW) to 1GHz	840.9299	-27.8629	-20	PASS
1GHz to 2Fc	1256.5470	-54.1000	-20	PASS
2Fc to 10Fc	7148.9600	-50.3000	-20	PASS
	1647.9750	-54.8556	-20	PASS
	2471.9630	-53.7312	-20	PASS
	3295.9500	-51.4222	-20	PASS
	4119.9370	-52.3050	-20	PASS
	4943.9250	-53.7560	-20	PASS
	5767.9130	-53.4360	-20	PASS
	6591.9000	-53.3500	-20	PASS
	7415.8870	-51.2445	-20	PASS
	8239.8750	-51.8700	-20	PASS

<u>Analog:</u> 851.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



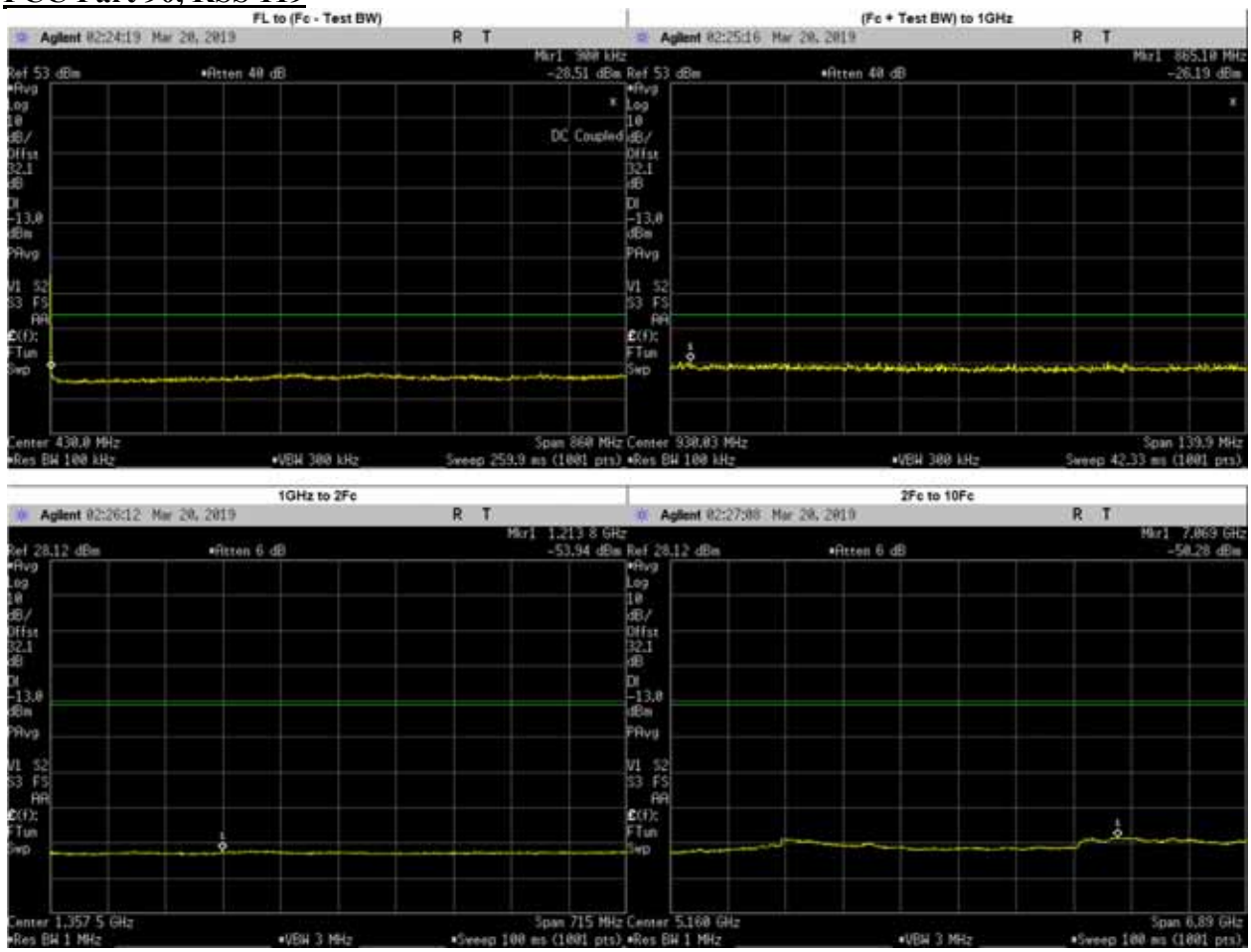
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	376.1304	-28.3629	-13	PASS
(Fc + Test BW) to 1GHz	870.8712	-29.2000	-13	PASS
1GHz to 2Fc	1278.1130	-54.0900	-13	PASS
2Fc to 10Fc	7076.5060	-50.1900	-13	PASS
	1702.0250	-54.4825	-13	PASS
	2553.0370	-53.6798	-13	PASS
	3404.0500	-51.6728	-13	PASS
	4255.0620	-53.1388	-13	PASS
	5106.0750	-53.5190	-13	PASS
	5957.0870	-53.5018	-13	PASS
	6808.1000	-51.1190	-13	PASS
	7659.1130	-51.2356	-13	PASS

<u>Analog:</u> 851.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



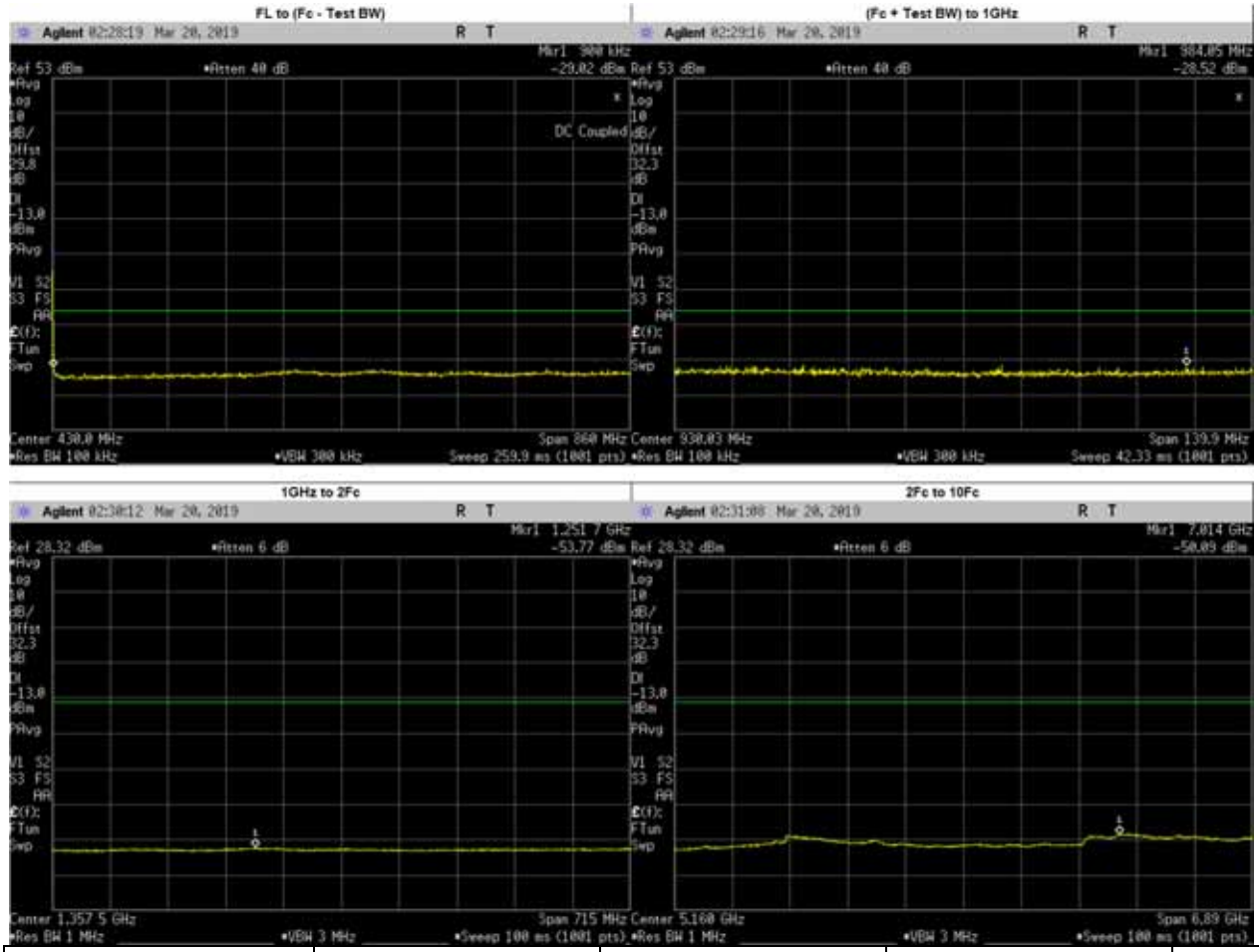
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	360.8133	-29.7201	-13	PASS
(Fc + Test BW) to 1GHz	864.6158	-27.1300	-13	PASS
1GHz to 2Fc	1272.5370	-53.8600	-13	PASS
2Fc to 10Fc	7015.1430	-49.9900	-13	PASS
	1702.0250	-54.4968	-13	PASS
	2553.0370	-53.5444	-13	PASS
	3404.0500	-51.5956	-13	PASS
	4255.0620	-53.1538	-13	PASS
	5106.0750	-53.5900	-13	PASS
	5957.0870	-53.7369	-13	PASS
	6808.1000	-51.0054	-13	PASS
	7659.1130	-51.0994	-13	PASS
	8510.1250	-51.4647	-13	PASS

<u>Analog:</u> 860.0125 MHz, 12.5kHz Channel Spacing, High Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	732.6894	-29.8447	-20	PASS
(Fc + Test BW) to 1GHz	865.1002	-26.5695	-20	PASS
1GHz to 2Fc	1213.7930	-53.9400	-20	PASS
2Fc to 10Fc	7068.6330	-50.2800	-20	PASS
	1720.0250	-54.5306	-20	PASS
	2580.0370	-53.3958	-20	PASS
	3440.0500	-51.6404	-20	PASS
	4300.0620	-53.2960	-20	PASS
	5160.0750	-53.4720	-20	PASS
	6020.0870	-53.4516	-20	PASS
	6880.1000	-51.4152	-20	PASS
	7740.1130	-50.8231	-20	PASS
	8600.1250	-51.3469	-20	PASS

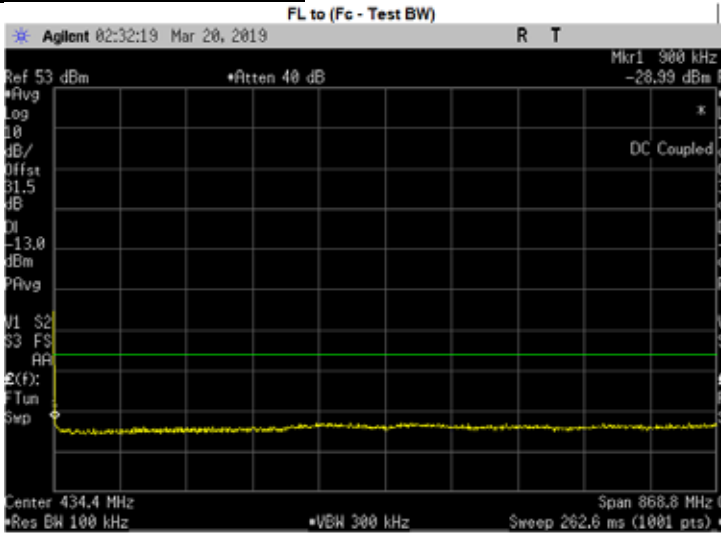
<u>Analog:</u> 860.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



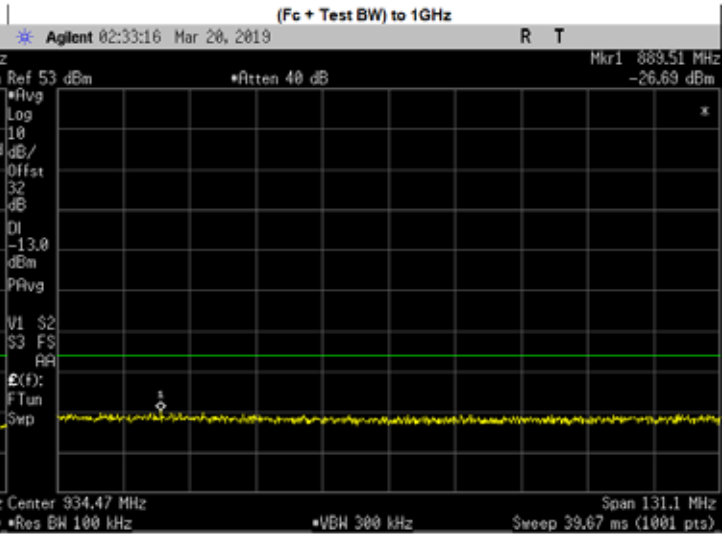
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	735.2692	-27.5363	-20	PASS
(Fc + Test BW) to 1GHz	984.0471	-28.9100	-20	PASS
1GHz to 2Fc	1251.6890	-53.7700	-20	PASS
2Fc to 10Fc	7013.5120	-50.0900	-20	PASS
	1720.0250	-54.0900	-20	PASS
	2580.0370	-53.2210	-20	PASS
	3440.0500	-51.4441	-20	PASS
	4300.0620	-52.8885	-20	PASS
	5160.0750	-53.1150	-20	PASS
	6020.0870	-53.2577	-20	PASS
	6880.1000	-51.1035	-20	PASS
	7740.1130	-50.4875	-20	PASS
	8600.1250	-51.1396	-20	PASS

Analog: 868.8875 MHz, 12.5kHz Channel Spacing, High Power
FCC Part 90, RSS 119

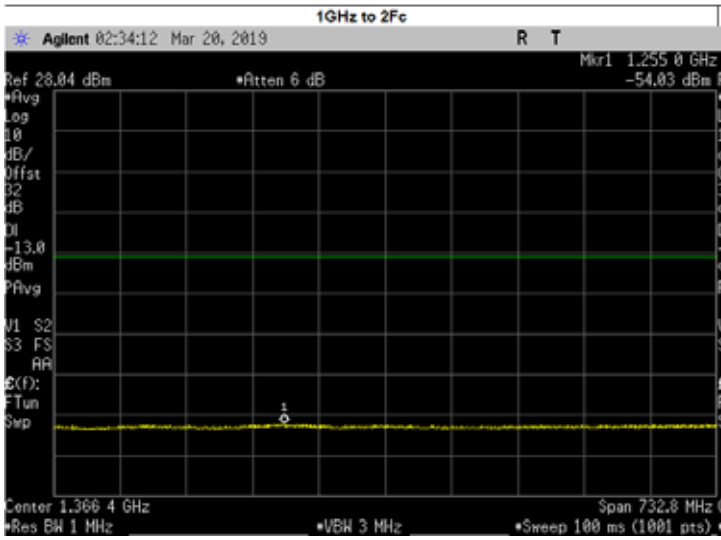
FL to (Fc - Test BW)



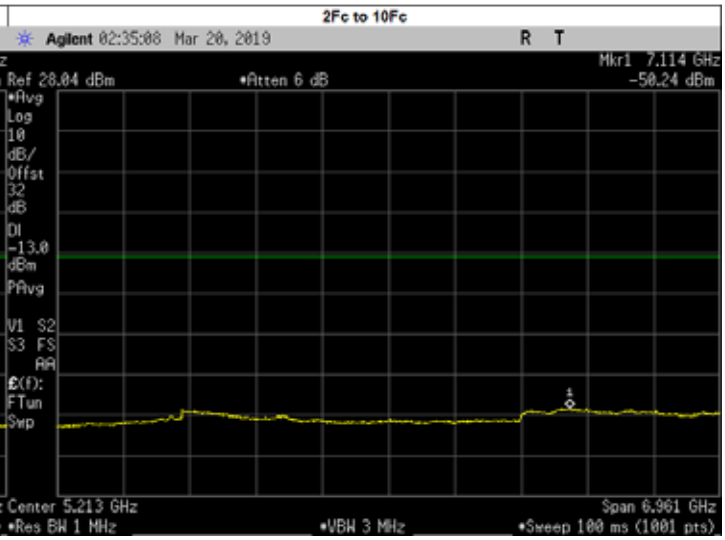
(Fc + Test BW) to 1GHz



1GHz to 2Fc

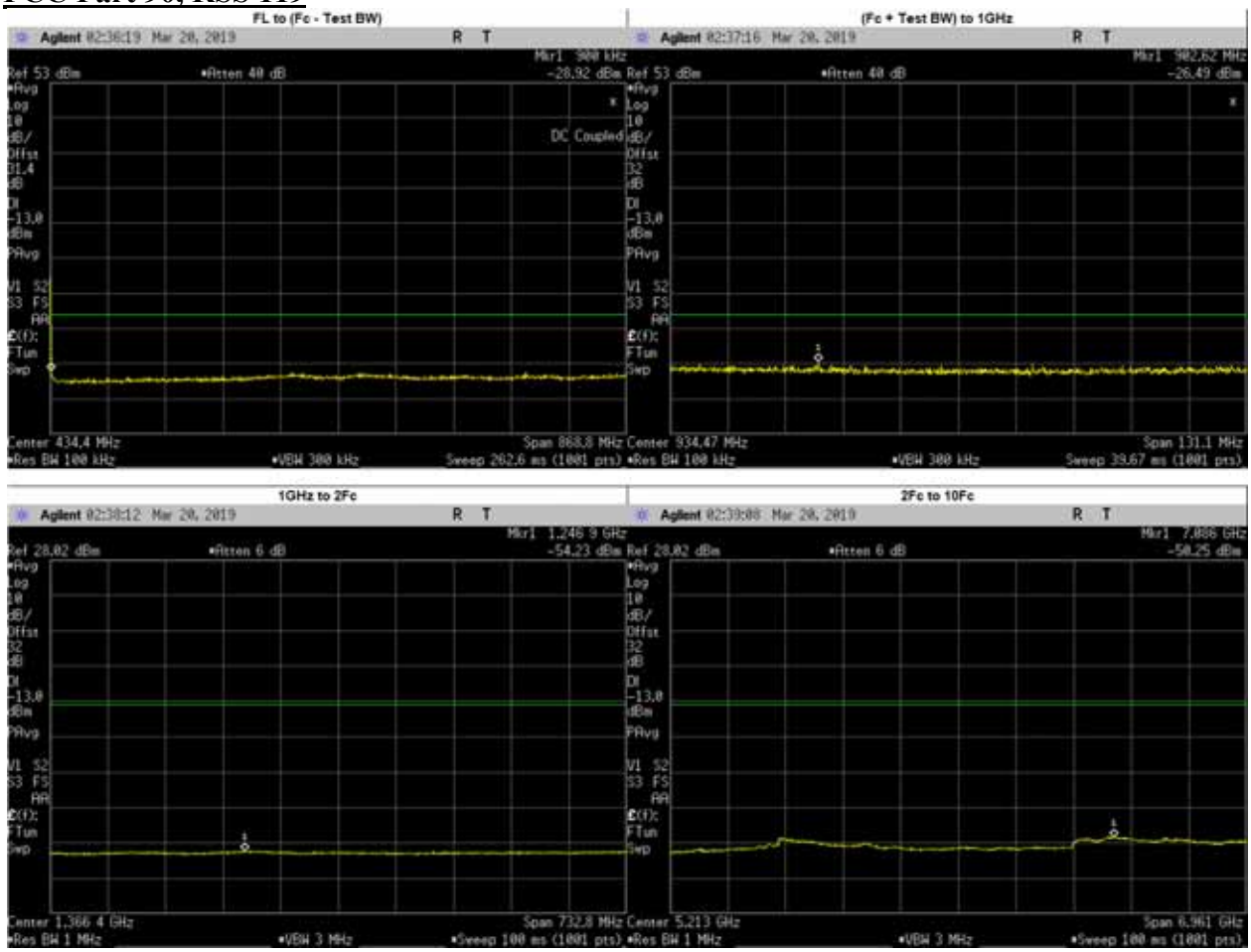


2Fc to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc – Test BW)	388.3753	-29.8994	-20	PASS
(Fc + Test BW) to 1GHz	889.5143	-26.9921	-20	PASS
1GHz to 2Fc	1255.0060	-54.0300	-20	PASS
2Fc to 10Fc	7113.7050	-50.2400	-20	PASS
	1737.7750	-54.7522	-20	PASS
	2606.6620	-53.8088	-20	PASS
	3475.5500	-51.8262	-20	PASS
	4344.4370	-53.4705	-20	PASS
	5213.3250	-53.4450	-20	PASS
	6082.2120	-53.2503	-20	PASS
	6951.1000	-51.2242	-20	PASS
	7819.9880	-51.2916	-20	PASS
	8688.8750	-51.5444	-20	PASS

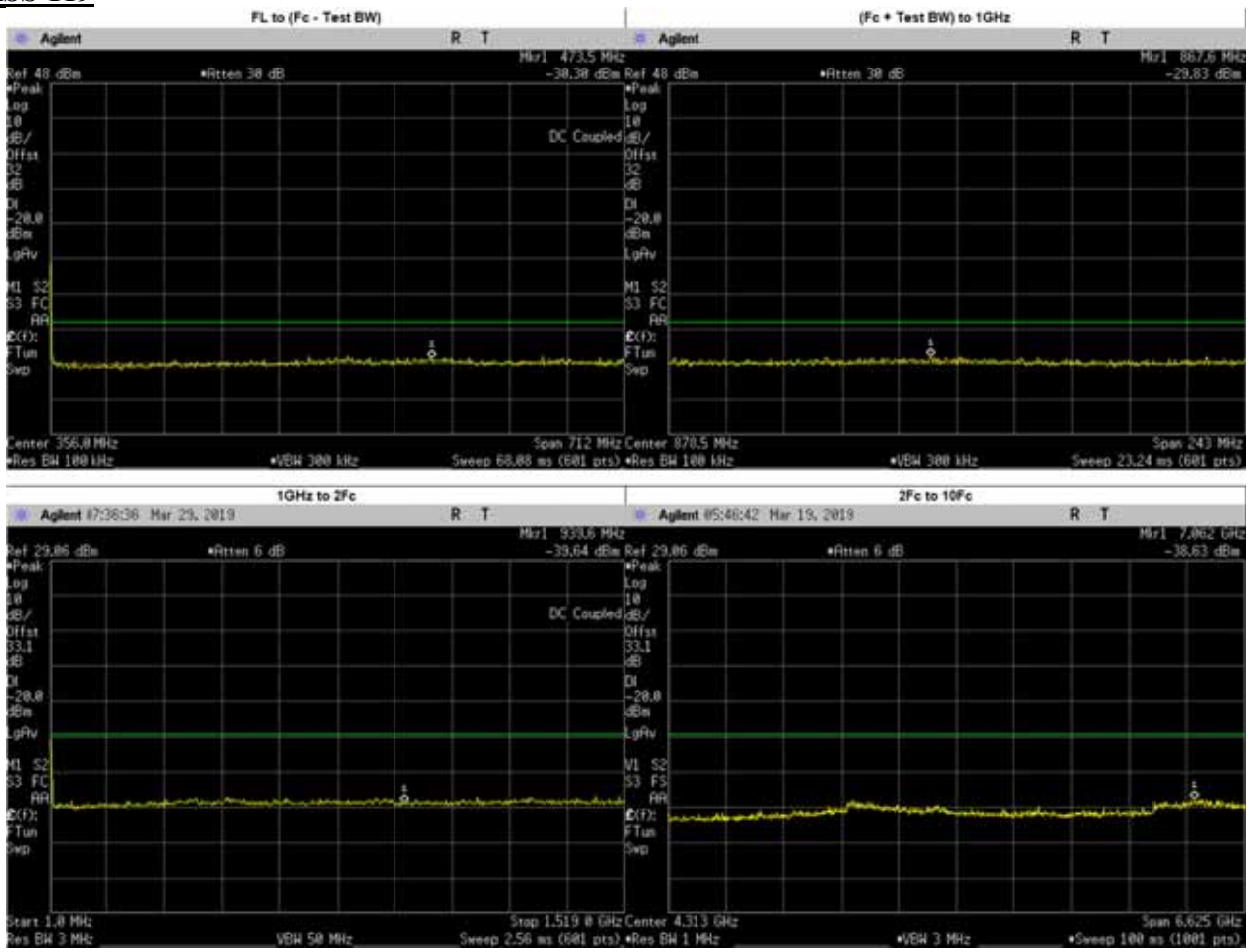
<u>Analog:</u> 868.8875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	717.6613	-29.1397	-20	PASS
(Fc + Test BW) to 1GHz	902.6206	-26.7855	-20	PASS
1GHz to 2Fc	1246.9450	-54.2300	-20	PASS
2Fc to 10Fc	7085.8610	-50.2500	-20	PASS
	1737.7750	-54.7647	-20	PASS
	2606.6620	-53.8315	-20	PASS
	3475.5500	-51.7473	-20	PASS
	4344.4370	-53.2388	-20	PASS
	5213.3250	-53.3280	-20	PASS
	6082.2120	-53.2553	-20	PASS
	6951.1000	-51.1779	-20	PASS
	7819.9880	-51.1147	-20	PASS
	8688.8750	-51.6511	-20	PASS

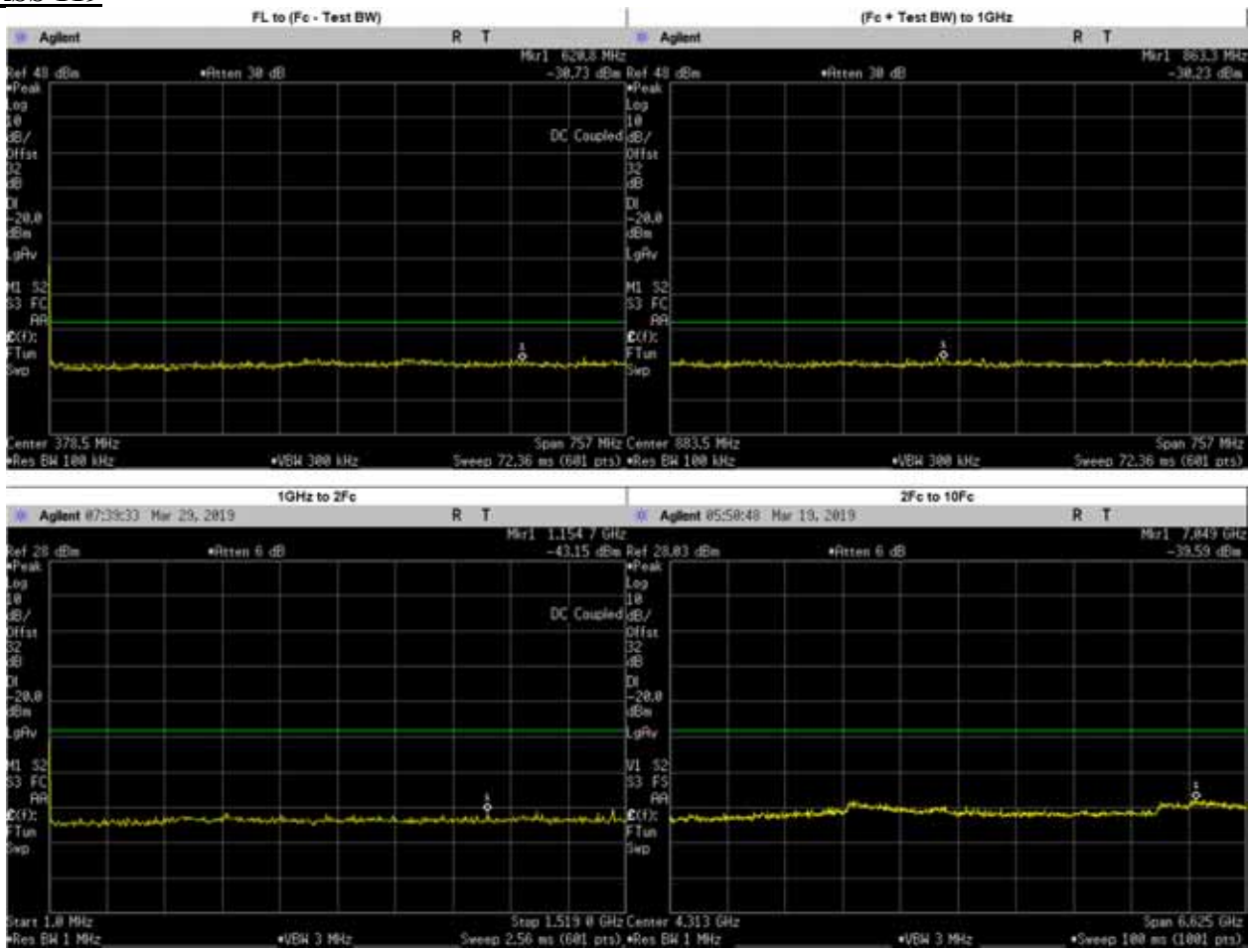
6.10.3. Test Result (Digital)

<u>Digital:</u> 762.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



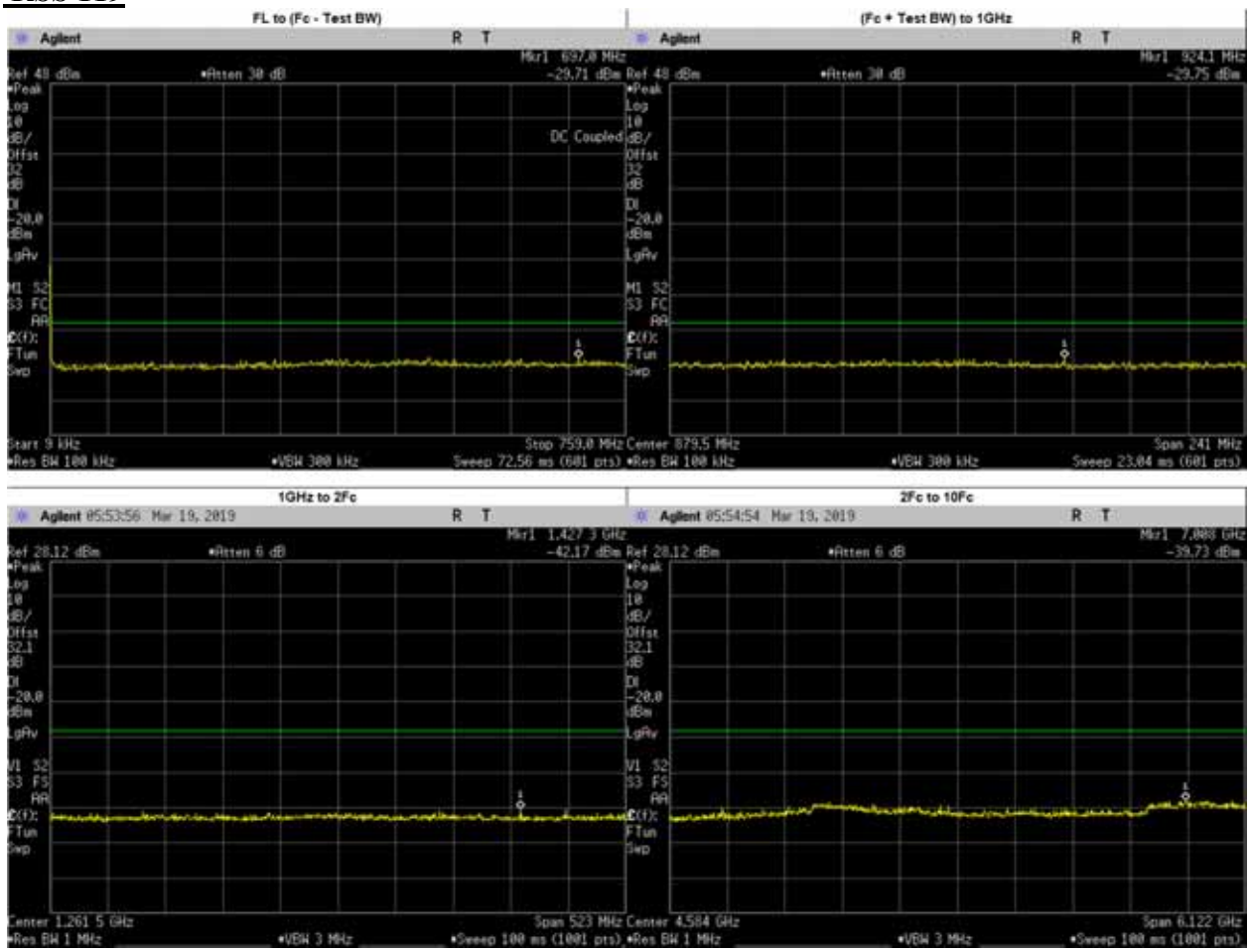
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	473.5000	-30.3000	-20	PASS
(Fc + Test BW) to 1GHz	867.6000	-29.8300	-20	PASS
1GHz to 2Fc	939.6000	-39.6400	-20	PASS
2Fc to 10Fc	1524.0250	-44.1727	-20	PASS
	2286.0370	-43.8428	-20	PASS
	3048.0500	-40.0888	-20	PASS
	3810.0620	-41.5026	-20	PASS
	4572.0750	-42.2815	-20	PASS
	5334.0870	-42.8014	-20	PASS
	6096.1000	-42.9105	-20	PASS
	6858.1130	-40.6593	-20	PASS
	7620.1250	-40.3621	-20	PASS
	7062.0000	-38.6300	-20	PASS

<u>Digital:</u> 762.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



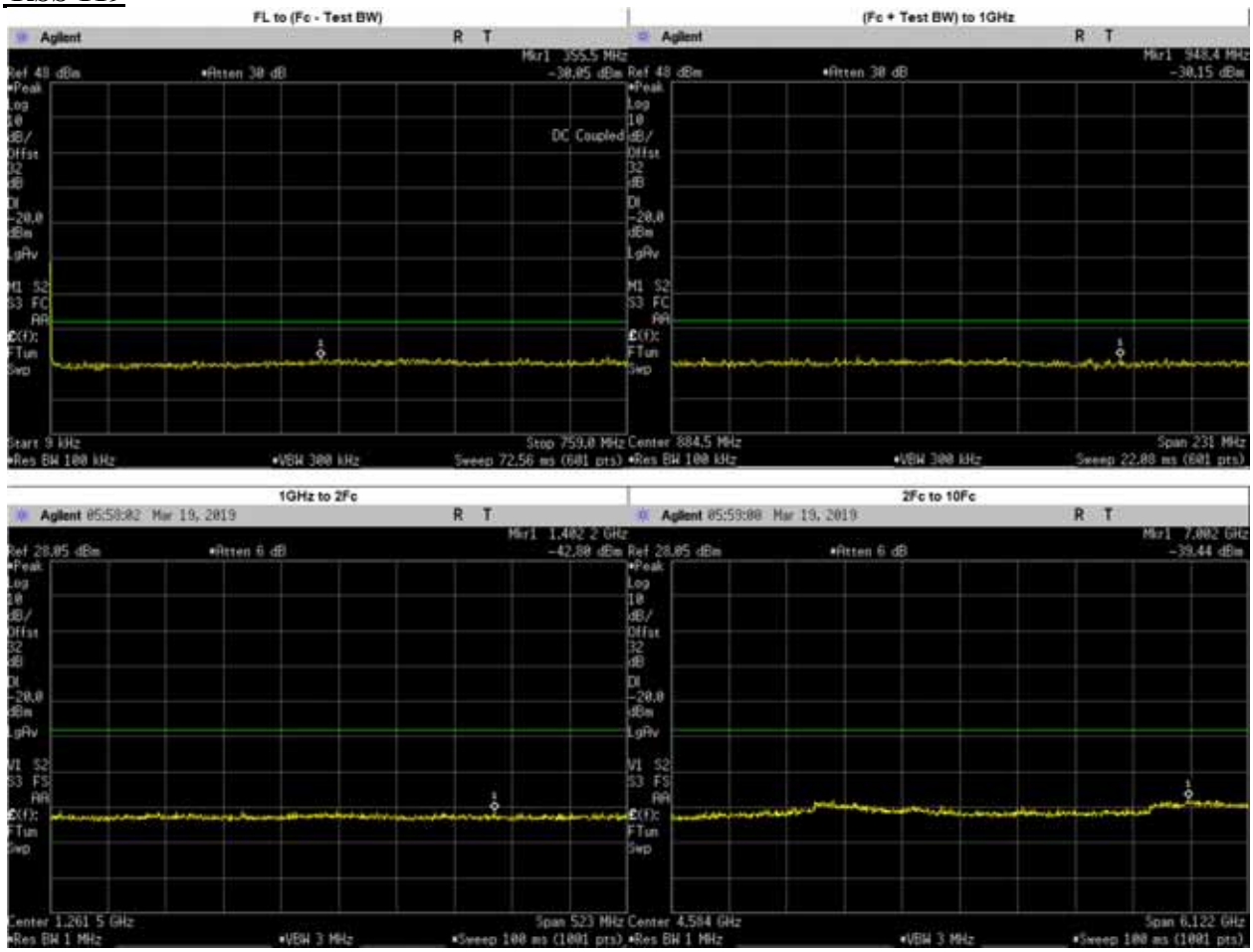
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	620.8000	-30.7300	-20	PASS
(Fc + Test BW) to 1GHz	863.3000	-30.2300	-20	PASS
1GHz to 2Fc	1154.7000	-43.1500	-20	PASS
2Fc to 10Fc	1524.0250	-45.2394	-20	PASS
	2286.0370	-43.8621	-20	PASS
	3048.0500	-40.9660	-20	PASS
	3810.0620	-43.1765	-20	PASS
	4572.0750	-43.7316	-20	PASS
	5334.0870	-43.7790	-20	PASS
	6096.1000	-43.8625	-20	PASS
	6858.1130	-41.4957	-20	PASS
	7620.1250	-41.9992	-20	PASS
	7049.0000	-39.5900	-20	PASS

<u>Digital:</u> 764.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



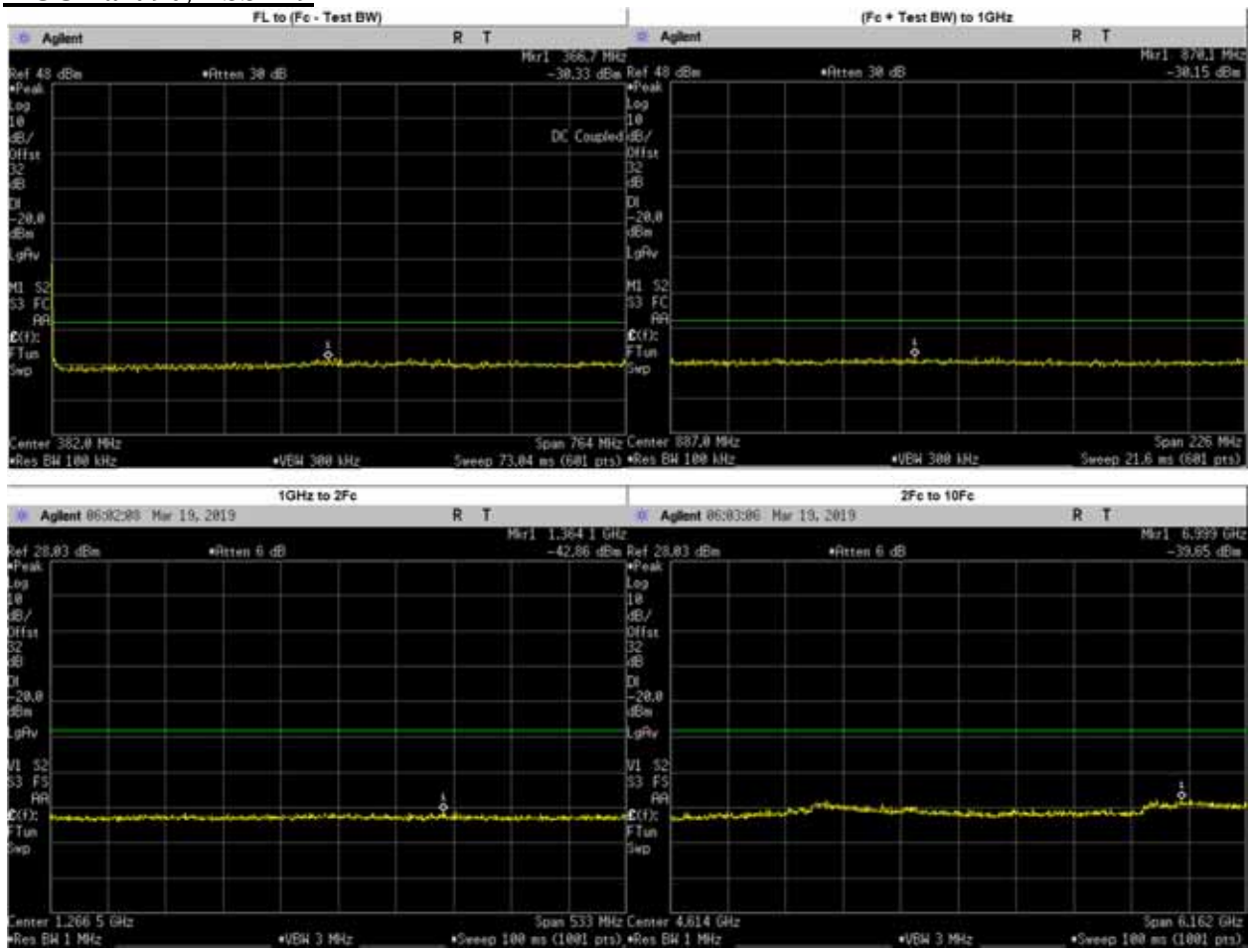
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	697.0000	-29.7100	-20	PASS
(Fc + Test BW) to 1GHz	924.1000	-29.7500	-20	PASS
1GHz to 2Fc	1427.3110	-42.1700	-20	PASS
2Fc to 10Fc	1528.0250	-44.3257	-20	PASS
2Fc to 10Fc	2292.0370	-44.0729	-20	PASS
	3056.0500	-41.1096	-20	PASS
	3820.0620	-42.6552	-20	PASS
	4584.0750	-43.5490	-20	PASS
	5348.0870	-43.7749	-20	PASS
	6112.1000	-43.3443	-20	PASS
	6876.1130	-41.5339	-20	PASS
	7640.1250	-41.8423	-20	PASS
	7008.4270	-39.7300	-20	PASS

<u>Digital:</u> 764.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



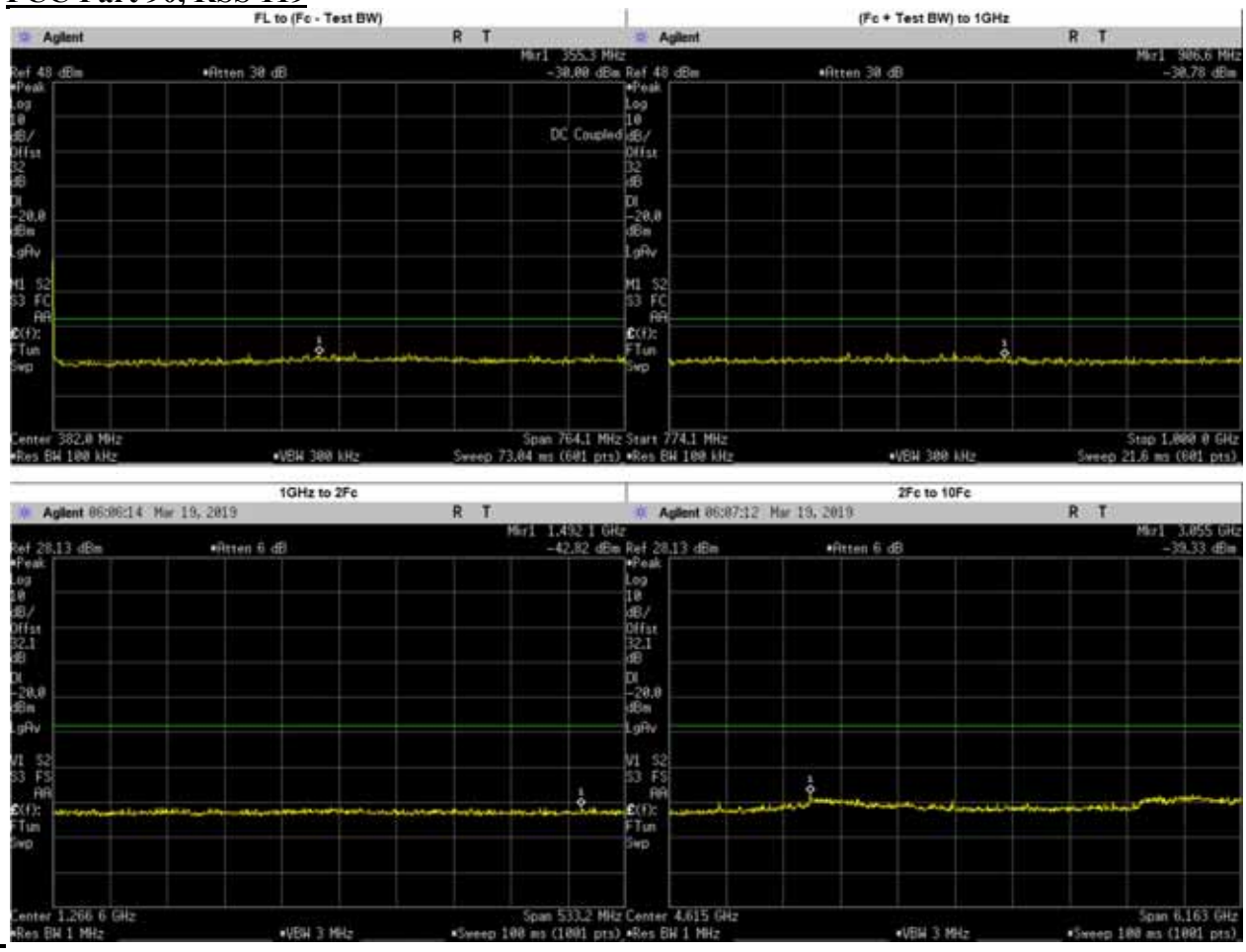
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	355.5000	-30.0500	-20	PASS
(Fc + Test BW) to 1GHz	948.4000	-30.1500	-20	PASS
1GHz to 2Fc	1402.2060	-42.8000	-20	PASS
2Fc to 10Fc	1528.0250	-43.9358	-20	PASS
	2292.0370	-43.7082	-20	PASS
	3056.0500	-40.9694	-20	PASS
	3820.0620	-43.1050	-20	PASS
	4584.0750	-43.6650	-20	PASS
	5348.0870	-43.6545	-20	PASS
	6112.1000	-43.1766	-20	PASS
	6876.1130	-41.6757	-20	PASS
	7640.1250	-42.0907	-20	PASS
	7002.3050	-39.4400	-20	PASS

<u>Digital:</u> 769.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



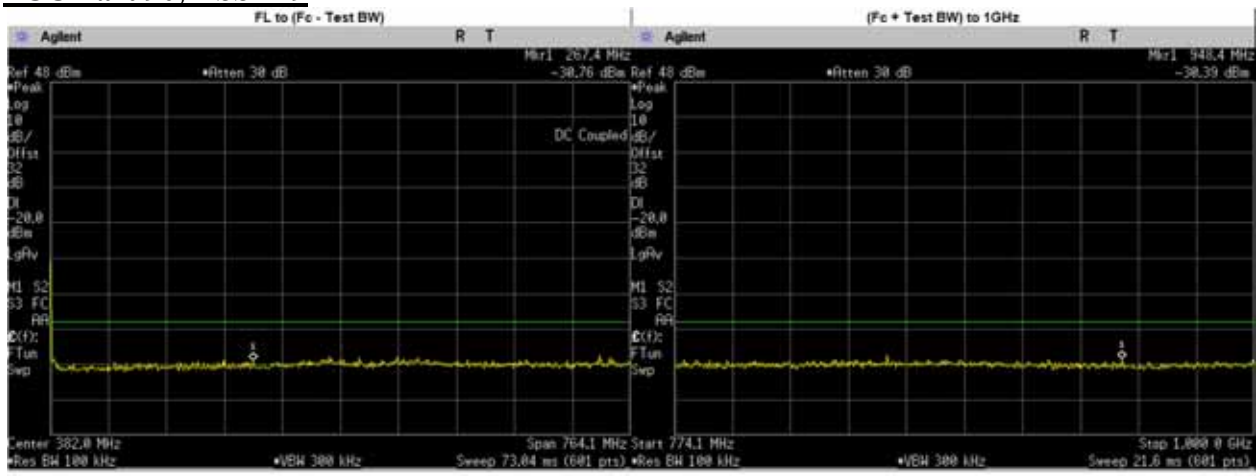
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	366.7000	-30.3300	-20	PASS
(Fc + Test BW) to 1GHz	870.1000	-30.1500	-20	PASS
1GHz to 2Fc	1364.1000	-42.8600	-20	PASS
2Fc to 10Fc	1538.0250	-44.5686	-20	PASS
	2307.0370	-44.2405	-20	PASS
	3076.0500	-41.2145	-20	PASS
	3845.0620	-43.0770	-20	PASS
	4614.0750	-42.9480	-20	PASS
	5383.0870	-44.3032	-20	PASS
	6152.1000	-43.1377	-20	PASS
	6921.1130	-41.7183	-20	PASS
	7690.1250	-40.6906	-20	PASS
	6998.8080	-39.6500	-20	PASS

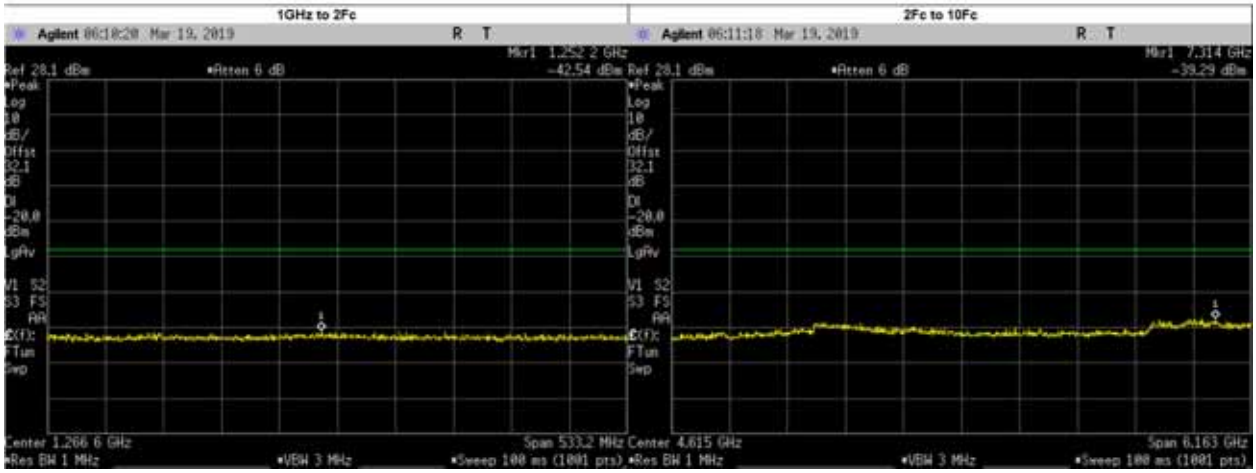
<u>Digital:</u> 769.0875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	355.3000	-30.0000	-20	PASS
(Fc + Test BW) to 1GHz	906.6000	-30.7800	-20	PASS
1GHz to 2Fc	1492.1200	-42.8200	-20	PASS
2Fc to 10Fc	1538.1750	-45.3293	-20	PASS
	2307.2620	-43.5570	-20	PASS
	3076.3500	-40.8086	-20	PASS
	3845.4370	-43.3043	-20	PASS
	4614.5250	-43.6000	-20	PASS
	5383.6130	-43.0067	-20	PASS
	6152.7000	-43.1858	-20	PASS
	6921.7880	-40.7576	-20	PASS
	7690.8750	-40.6715	-20	PASS
	3055.3620	-39.3300	-20	PASS

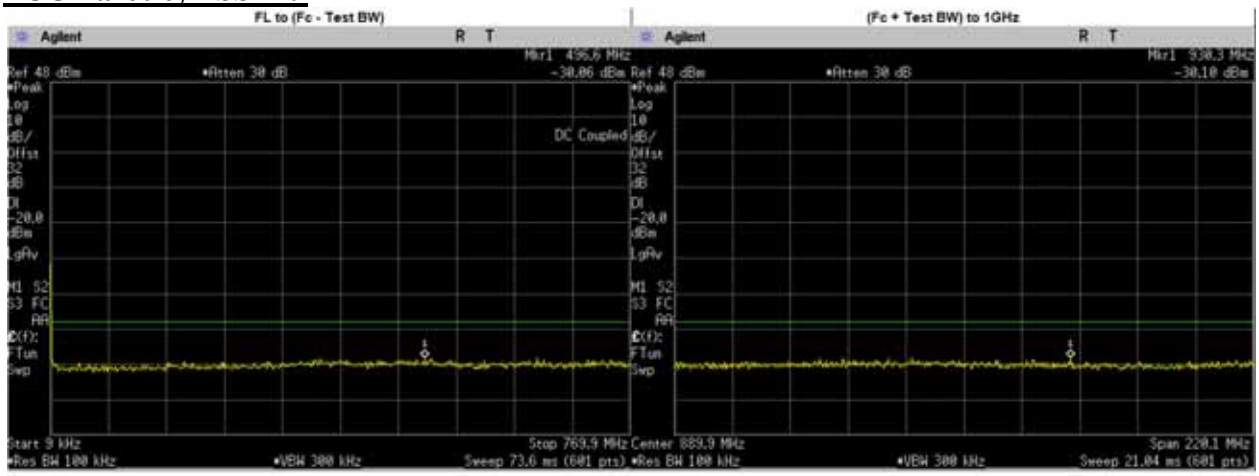
<u>Digital:</u> 769.0875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>

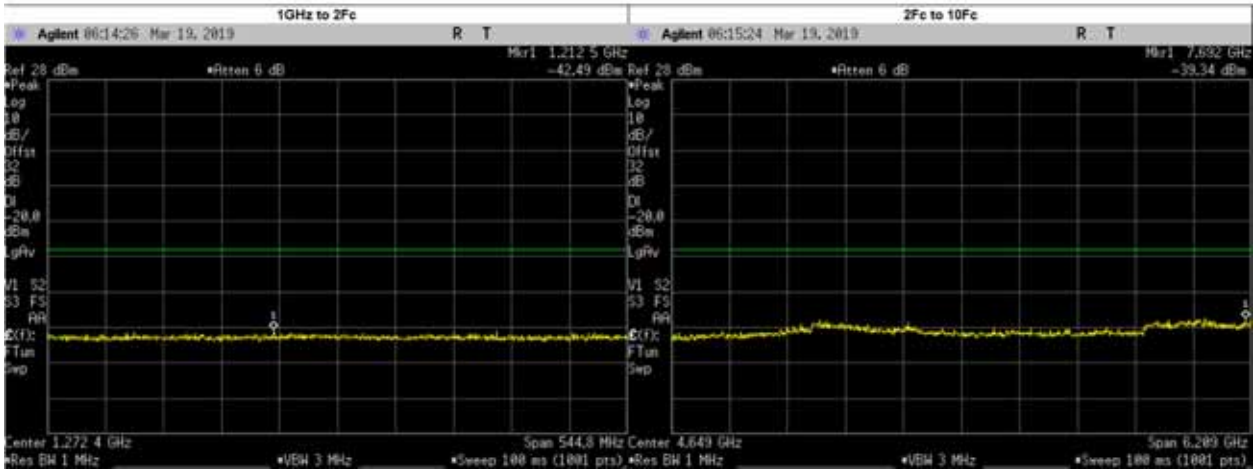




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	267.4000	-30.7600	-20	PASS
(Fc + Test BW) to 1GHz	948.4000	-30.3900	-20	PASS
1GHz to 2Fc	1252.1920	-42.5400	-20	PASS
2Fc to 10Fc	1538.1750	-44.9036	-20	PASS
	2307.2620	-44.3254	-20	PASS
	3076.3500	-41.1083	-20	PASS
	3845.4370	-43.3767	-20	PASS
	4614.5250	-44.2840	-20	PASS
	5383.6130	-43.8875	-20	PASS
	6152.7000	-43.3820	-20	PASS
	6921.7880	-41.3707	-20	PASS
	7690.8750	-40.7239	-20	PASS
	7313.7880	-39.2900	-20	PASS

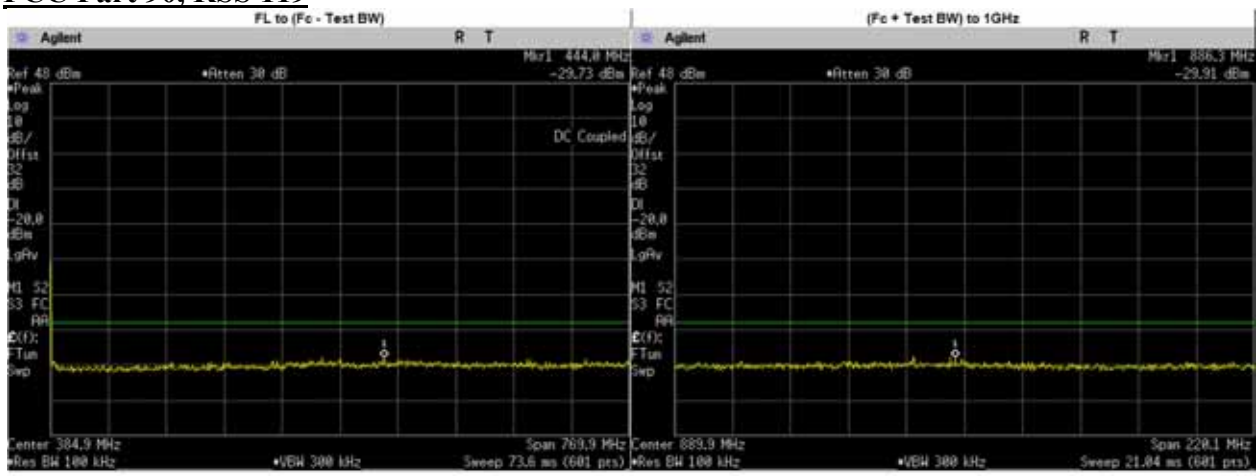
<u>Digital:</u> 774.8875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>

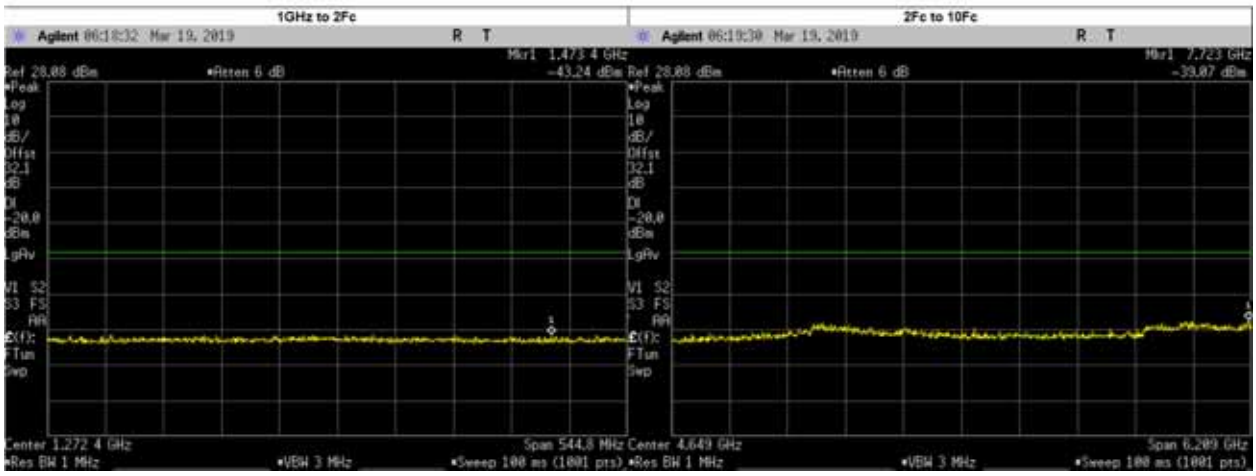




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	496.6000	-30.0600	-20	PASS
(Fc + Test BW) to 1GHz	930.3000	-30.1000	-20	PASS
1GHz to 2Fc	1212.4620	-42.4900	-20	PASS
2Fc to 10Fc	1549.7750	-45.5141	-20	PASS
	2324.6620	-44.7640	-20	PASS
	3099.5500	-41.3115	-20	PASS
	3874.4370	-43.1299	-20	PASS
	4649.3250	-43.8470	-20	PASS
	5424.2120	-43.6101	-20	PASS
	6199.1000	-42.6809	-20	PASS
	6973.9880	-40.7312	-20	PASS
	7748.8750	-40.8590	-20	PASS
	7691.7840	-39.3400	-20	PASS

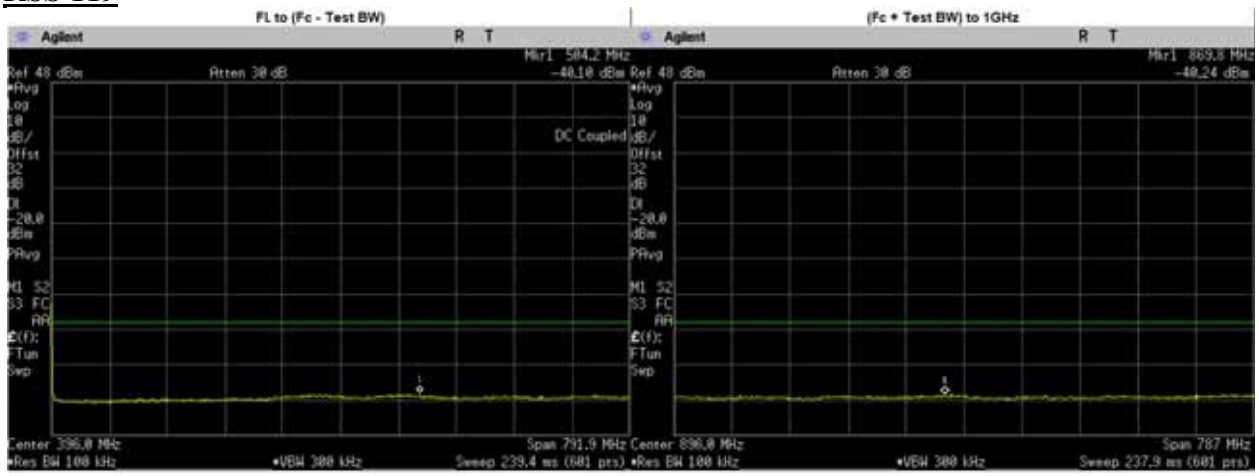
<u>Digital:</u> 774.8875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>

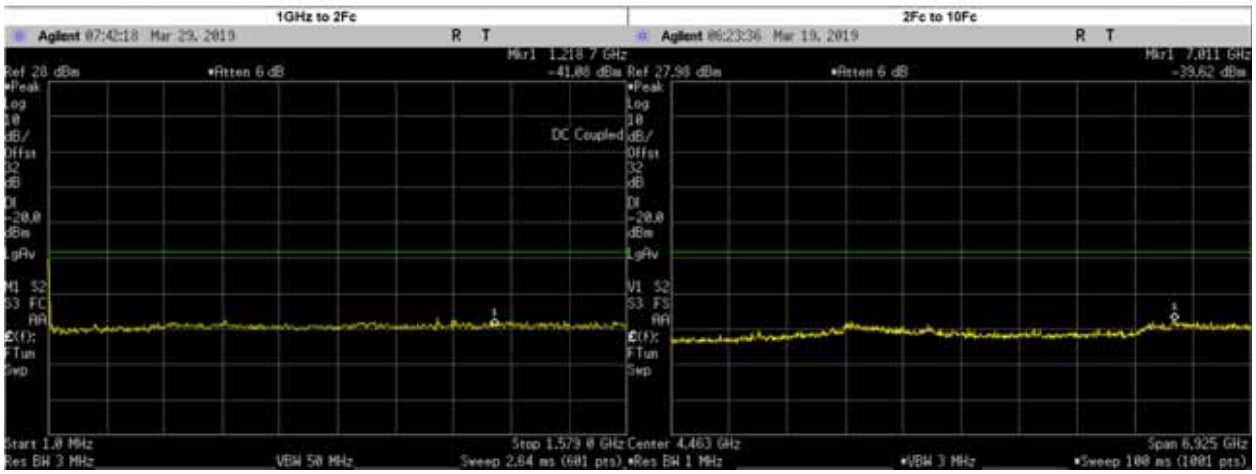




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	444.0000	-29.7300	-20	PASS
(Fc + Test BW) to 1GHz	886.3000	-29.9100	-20	PASS
1GHz to 2Fc	1473.4090	-43.2400	-20	PASS
2Fc to 10Fc	1549.7750	-45.1202	-20	PASS
	2324.6620	-43.9896	-20	PASS
	3099.5500	-41.2540	-20	PASS
	3874.4370	-43.1327	-20	PASS
	4649.3250	-44.2280	-20	PASS
	5424.2120	-43.3319	-20	PASS
	6199.1000	-43.7009	-20	PASS
	6973.9880	-41.1853	-20	PASS
	7748.8750	-41.4852	-20	PASS
	7722.8290	-39.0700	-20	PASS

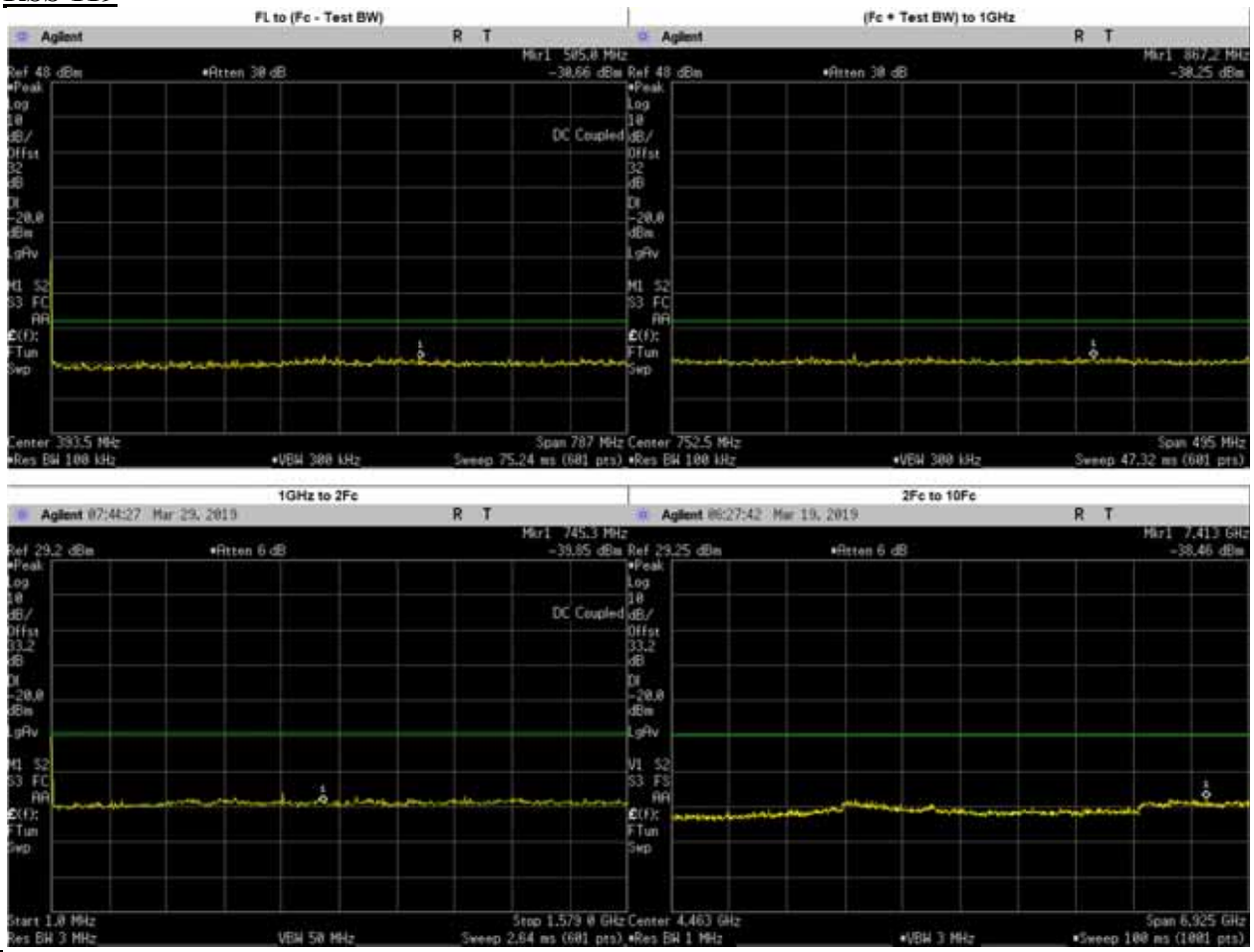
<u>Digital:</u> 792.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>





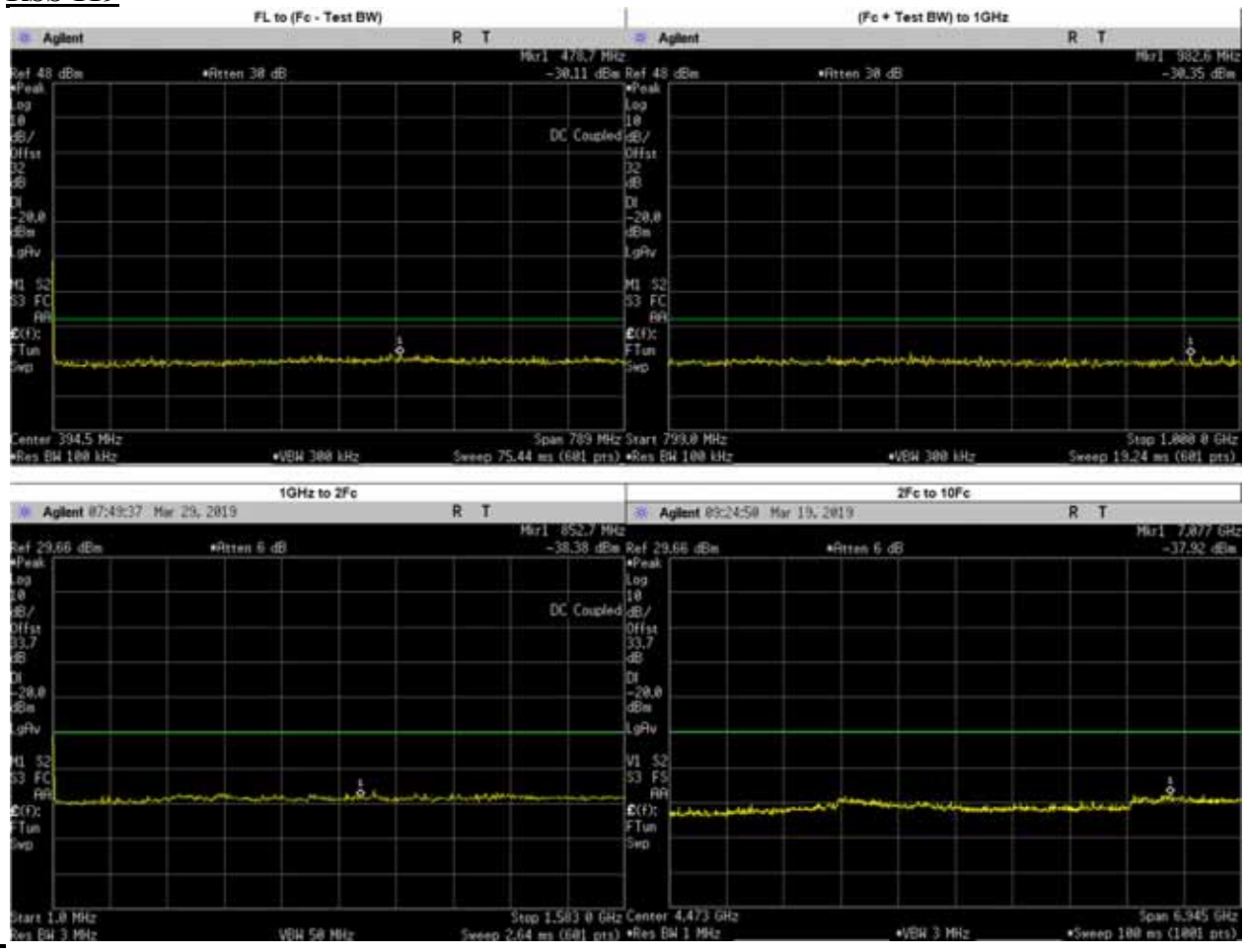
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	504.2000	-40.1000	-20	PASS
(Fc + Test BW) to 1GHz	869.8000	-40.2400	-20	PASS
1GHz to 2Fc	1218.7000	-41.0800	-20	PASS
2Fc to 10Fc	1584.0250	-44.0671	-20	PASS
	2376.0370	-44.1403	-20	PASS
	3168.0500	-40.2743	-20	PASS
	3960.0620	-43.1433	-20	PASS
	4752.0750	-43.7623	-20	PASS
	5544.0870	-43.8138	-20	PASS
	6336.1000	-42.8485	-20	PASS
	7128.1130	-40.4686	-20	PASS
	7920.1250	-41.2611	-20	PASS
	7011.0080	-39.6200	-20	PASS

<u>Digital:</u> 792.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



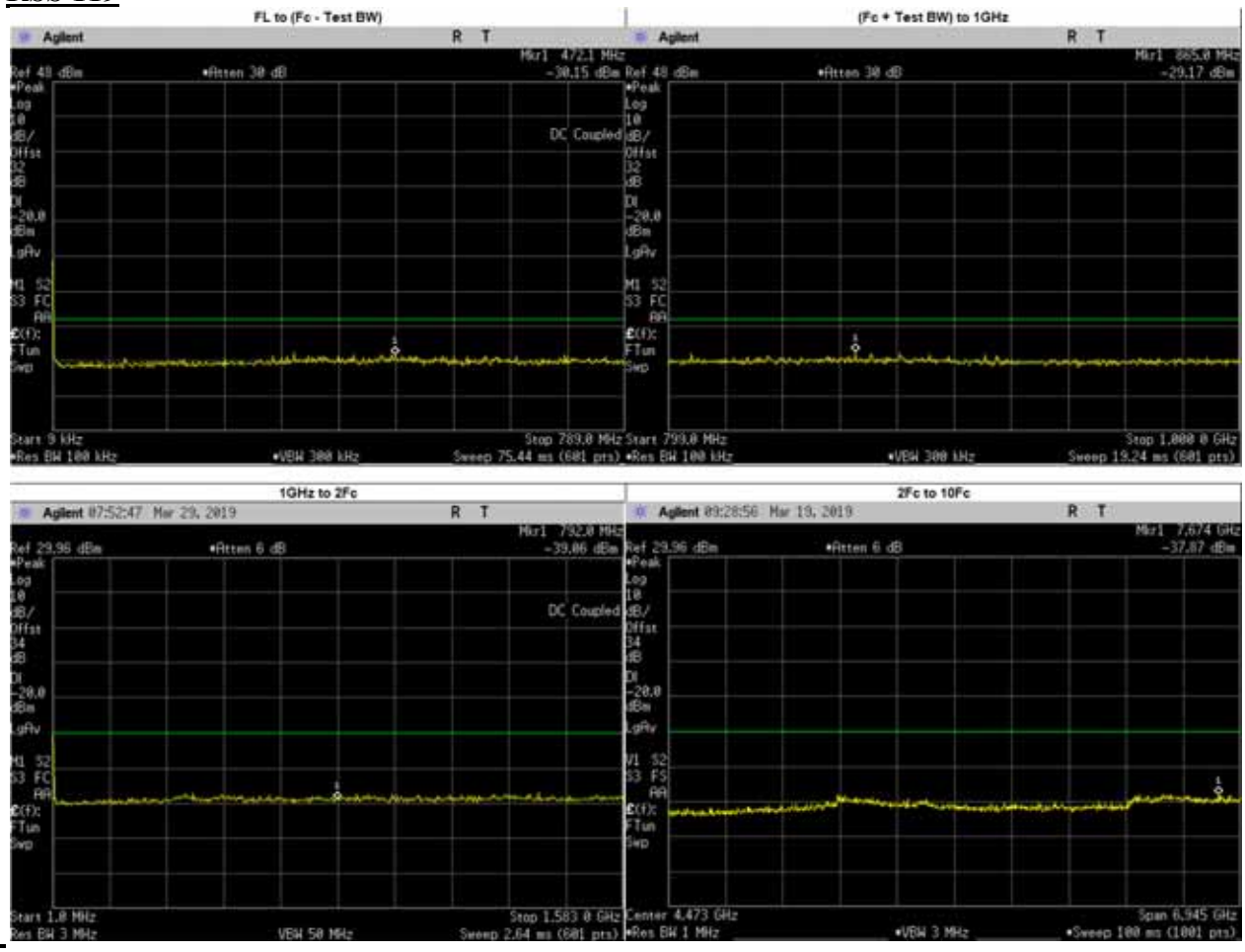
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	505.0000	-30.6600	-20	PASS
(Fc + Test BW) to 1GHz	867.2000	-30.2500	-20	PASS
1GHz to 2Fc	754.3000	-39.8500	-20	PASS
2Fc to 10Fc	1584.0250	-44.1512	-20	PASS
	2376.0370	-43.1061	-20	PASS
	3168.0500	-40.4223	-20	PASS
	3960.0620	-41.4881	-20	PASS
	4752.0750	-42.7131	-20	PASS
	5544.0870	-42.2743	-20	PASS
	6336.1000	-42.2225	-20	PASS
	7412.6660	-38.4600	-20	PASS
	7128.1130	-41.7458	-20	PASS
	7920.1250	-39.6345	-20	PASS

<u>Digital:</u> 794.0125 MHz, 12.5kHz Channel Spacing, High Power
<u>RSS 119</u>



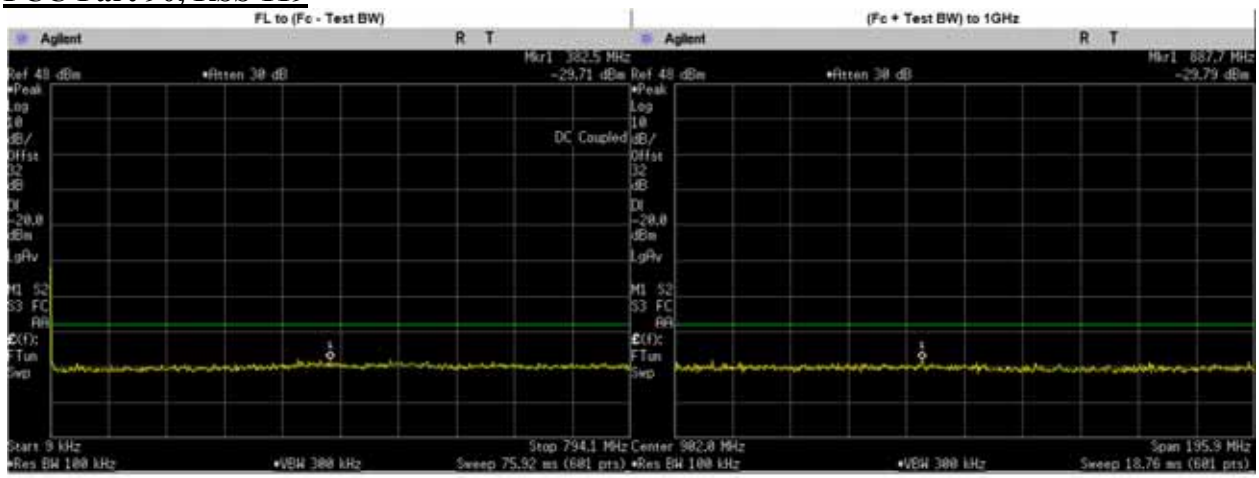
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	478.7000	-30.1100	-20	PASS
(Fc + Test BW) to 1GHz	982.6000	-30.3500	-20	PASS
1GHz to 2Fc	852.7000	-38.3800	-20	PASS
2Fc to 10Fc	1588.0250	-43.4278	-20	PASS
	2382.0370	-42.3727	-20	PASS
	3970.0620	-41.5829	-20	PASS
	4764.0750	-42.0083	-20	PASS
	5558.0870	-42.2081	-20	PASS
	6352.1000	-42.3400	-20	PASS
	7076.9840	-37.9200	-20	PASS
	3176.0500	-49.3455	-20	PASS
	7146.1130	-43.6726	-20	PASS
	7940.1250	-42.4265	-20	PASS

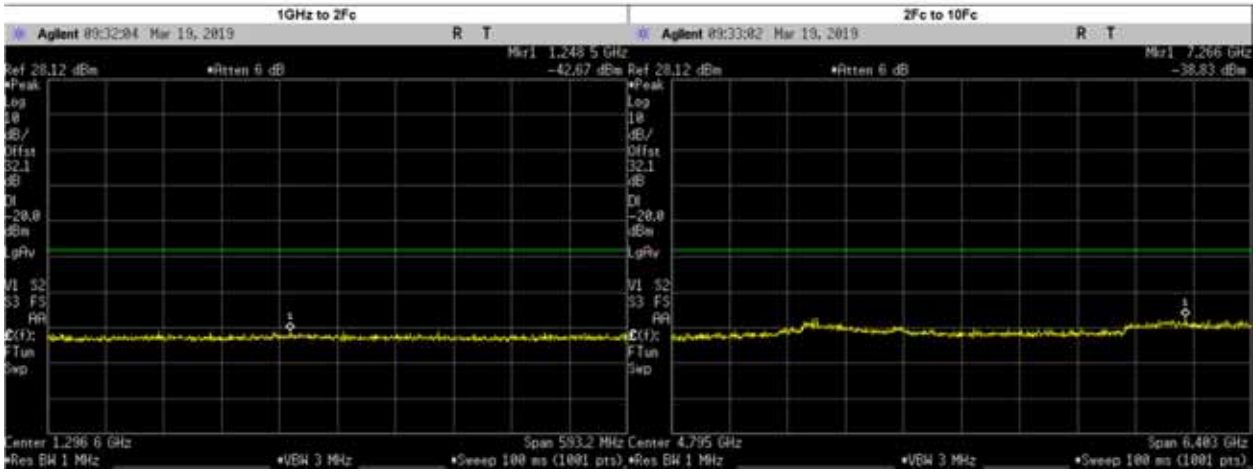
<u>Digital:</u> 794.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	472.1000	-30.1500	-20	PASS
(Fc + Test BW) to 1GHz	865.0000	-29.1700	-20	PASS
1GHz to 2Fc	792.0000	-39.2000	-20	PASS
2Fc to 10Fc	1588.0250	-43.2402	-20	PASS
	2382.0370	-41.9960	-20	PASS
	3970.0620	-41.0356	-20	PASS
	4764.0750	-42.1208	-20	PASS
	5558.0870	-42.1609	-20	PASS
	6352.1000	-42.1266	-20	PASS
	7674.2650	-37.8700	-20	PASS
	3048.8120	-38.7285	-20	PASS
	3176.0500	-39.8389	-20	PASS
	7940.1250	-33.3428	-20	PASS

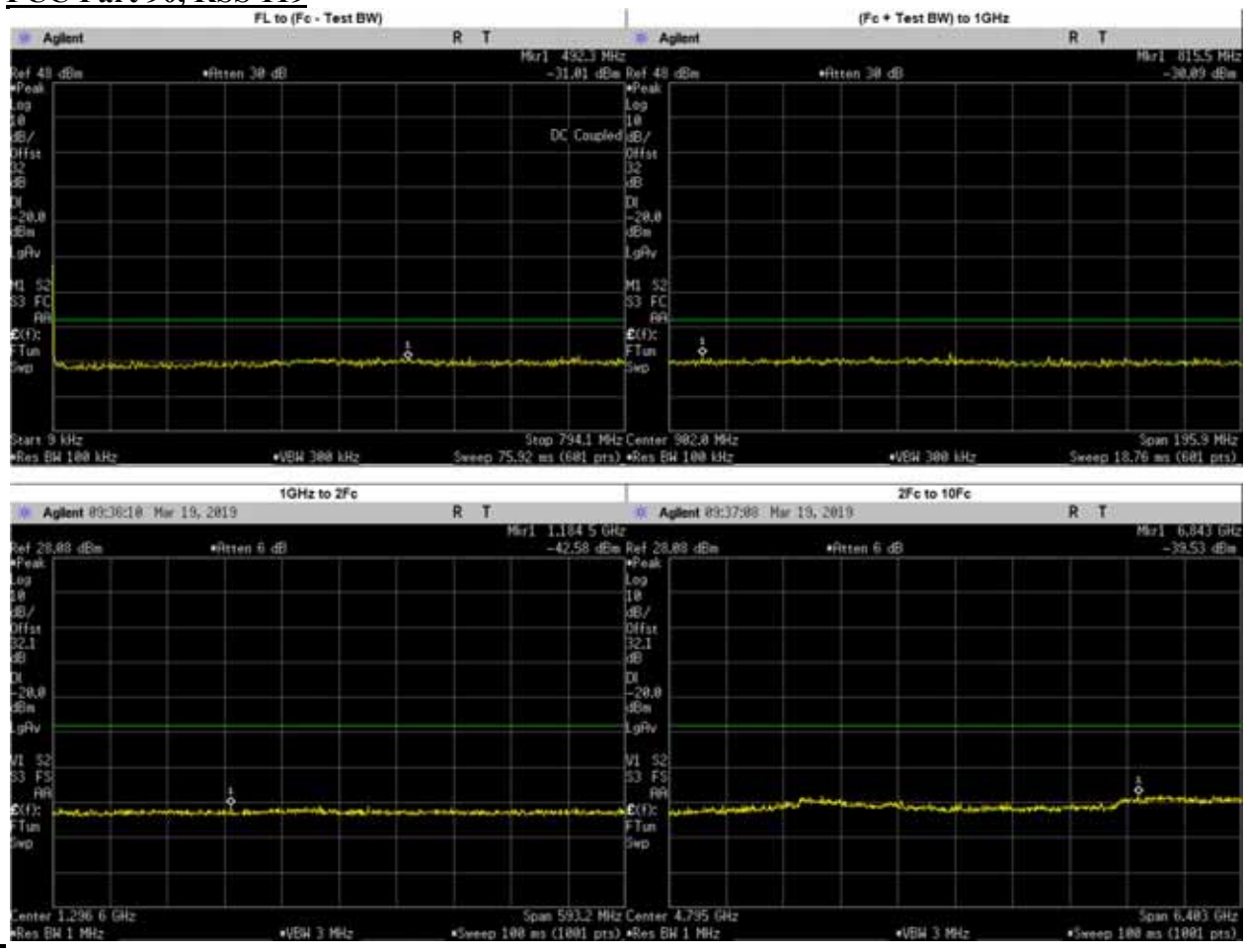
<u>Digital:</u> 799.0875 MHz, 12.5kHz Channel Spacing, Max Power
FCC Part 90, RSS 119





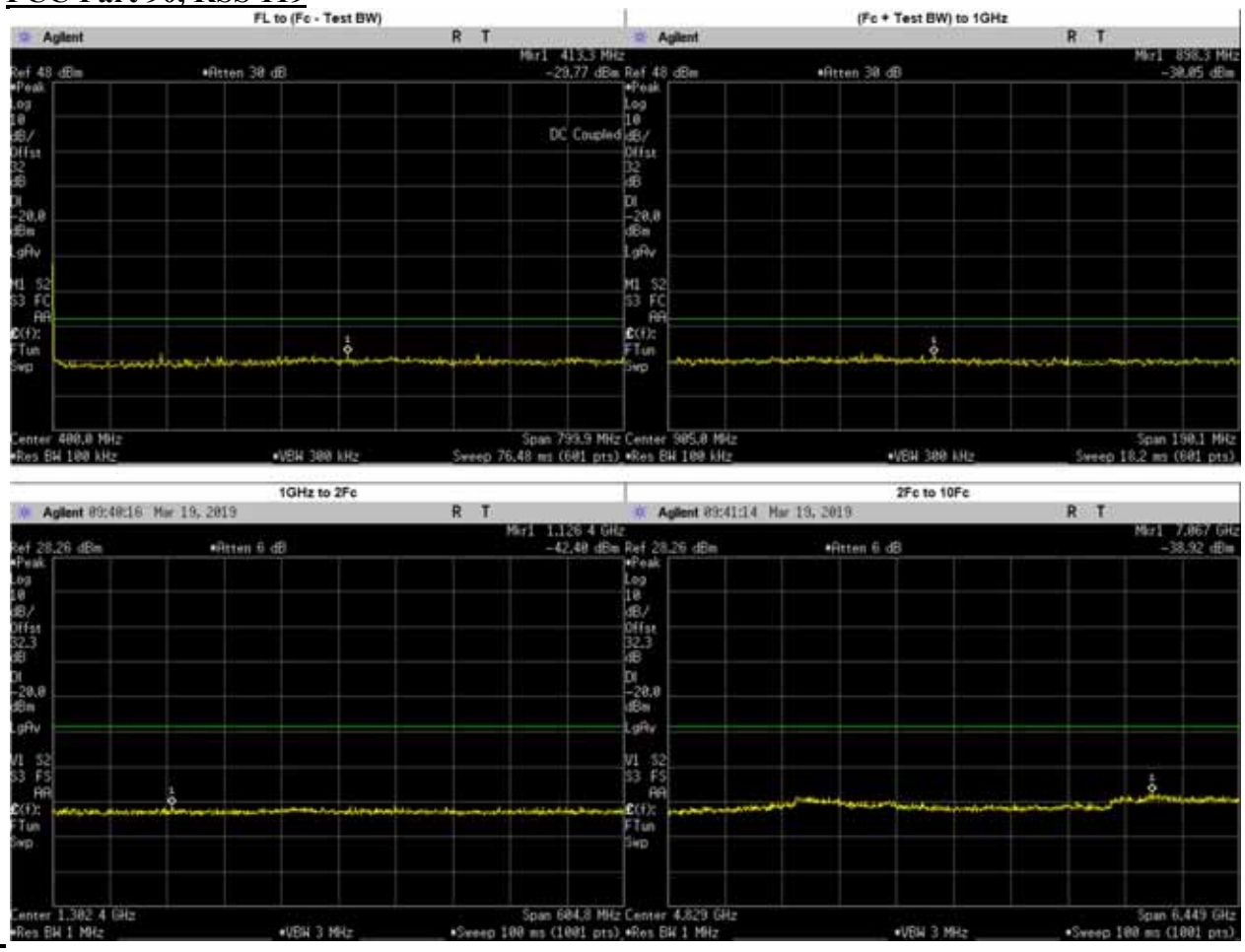
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	382.5000	-29.7100	-20	PASS
(Fc + Test BW) to 1GHz	887.7000	-29.7900	-20	PASS
1GHz to 2Fc	1248.5400	-42.6700	-20	PASS
2Fc to 10Fc	1598.1750	-44.9359	-20	PASS
	2397.2620	-44.1296	-20	PASS
	3196.3500	-40.4101	-20	PASS
	3995.4370	-42.3346	-20	PASS
	4794.5250	-44.3240	-20	PASS
	5593.6130	-43.7870	-20	PASS
	6392.7000	-42.9913	-20	PASS
	7191.7880	-40.1272	-20	PASS
	7990.8750	-41.6519	-20	PASS
	7265.9670	-38.8300	-20	PASS

<u>Digital:</u> 799.0875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



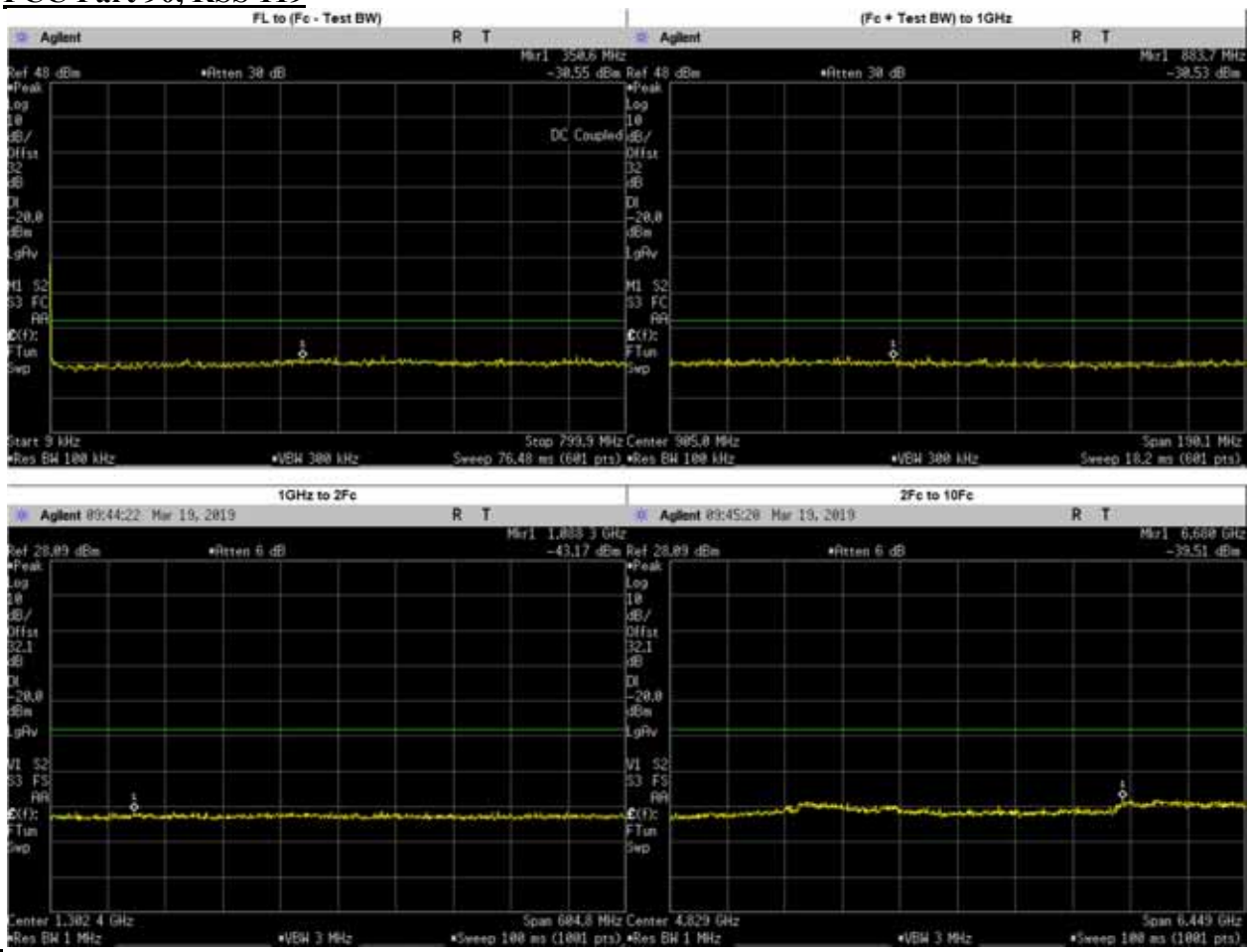
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	492.3000	-31.0100	-20	PASS
(Fc + Test BW) to 1GHz	815.5000	-30.0900	-20	PASS
1GHz to 2Fc	1184.4770	-42.5800	-20	PASS
2Fc to 10Fc	1598.1750	-44.9244	-20	PASS
	2397.2620	-44.3771	-20	PASS
	3196.3500	-41.4393	-20	PASS
	3995.4370	-42.4954	-20	PASS
	4794.5250	-43.2340	-20	PASS
	5593.6130	-43.5308	-20	PASS
	6392.7000	-43.9144	-20	PASS
	7191.7880	-40.3723	-20	PASS
	7990.8750	-41.6158	-20	PASS
	6843.3890	-39.5300	-20	PASS

<u>Digital:</u> 804.9125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



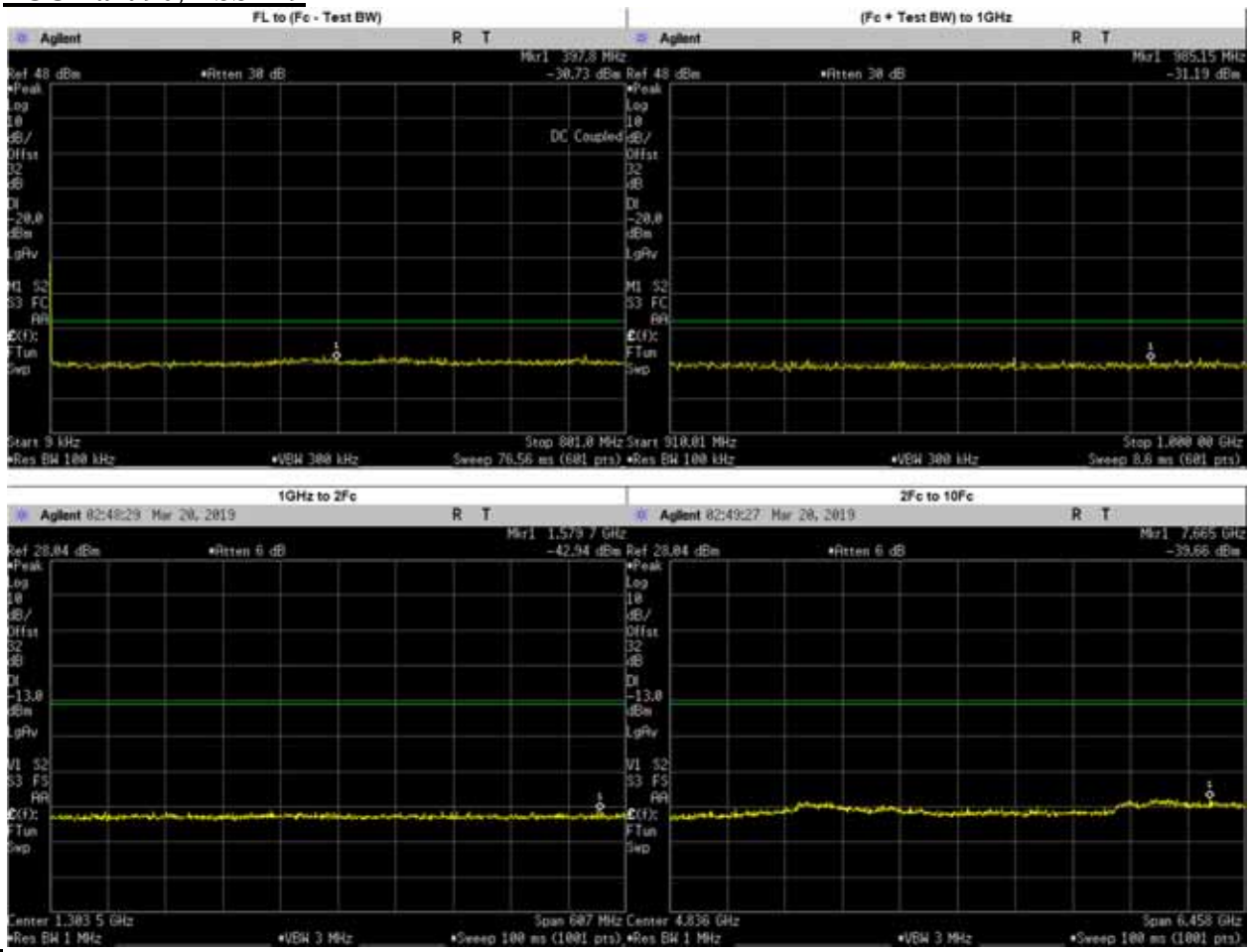
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	413.3300	-29.7700	-20	PASS
(Fc + Test BW) to 1GHz	898.3000	-30.0500	-20	PASS
1GHz to 2Fc	1126.4080	-42.4000	-20	PASS
2Fc to 10Fc	1609.8250	-45.3388	-20	PASS
	2414.7380	-43.5846	-20	PASS
	3219.6500	-41.1751	-20	PASS
	4024.5620	-42.7363	-20	PASS
	4829.4750	-44.2750	-20	PASS
	5634.3870	-43.4947	-20	PASS
	6439.3000	-43.8816	-20	PASS
	7244.2120	-40.5507	-20	PASS
	8049.1250	-41.2119	-20	PASS
	7067.3820	-38.9200	-20	PASS

<u>Digital:</u> 804.9125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



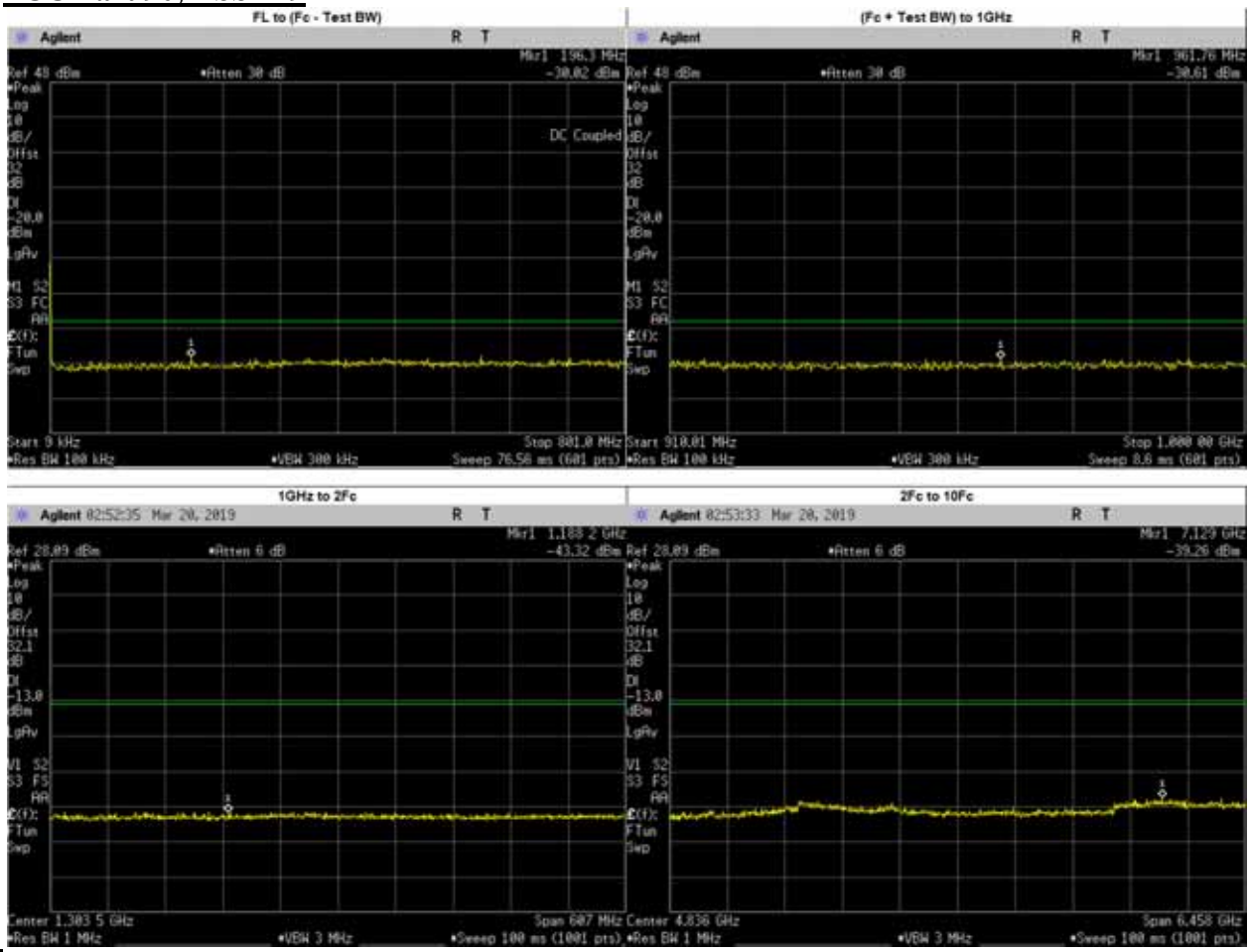
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	350.6000	-30.5500	-20	PASS
(Fc + Test BW) to 1GHz	883.7000	-30.5300	-20	PASS
1GHz to 2Fc	1088.3040	-43.1700	-20	PASS
2Fc to 10Fc	1609.8250	-45.3773	-20	PASS
	2414.7380	-43.9870	-20	PASS
	3219.6500	-41.2467	-20	PASS
	4024.5620	-42.3383	-20	PASS
	4829.4750	-43.9570	-20	PASS
	5634.3870	-43.7796	-20	PASS
	6439.3000	-43.5304	-20	PASS
	7244.2120	-41.2492	-20	PASS
	8049.1250	-42.0079	-20	PASS
	6680.4240	-39.5100	-20	PASS

<u>Digital:</u> 806.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



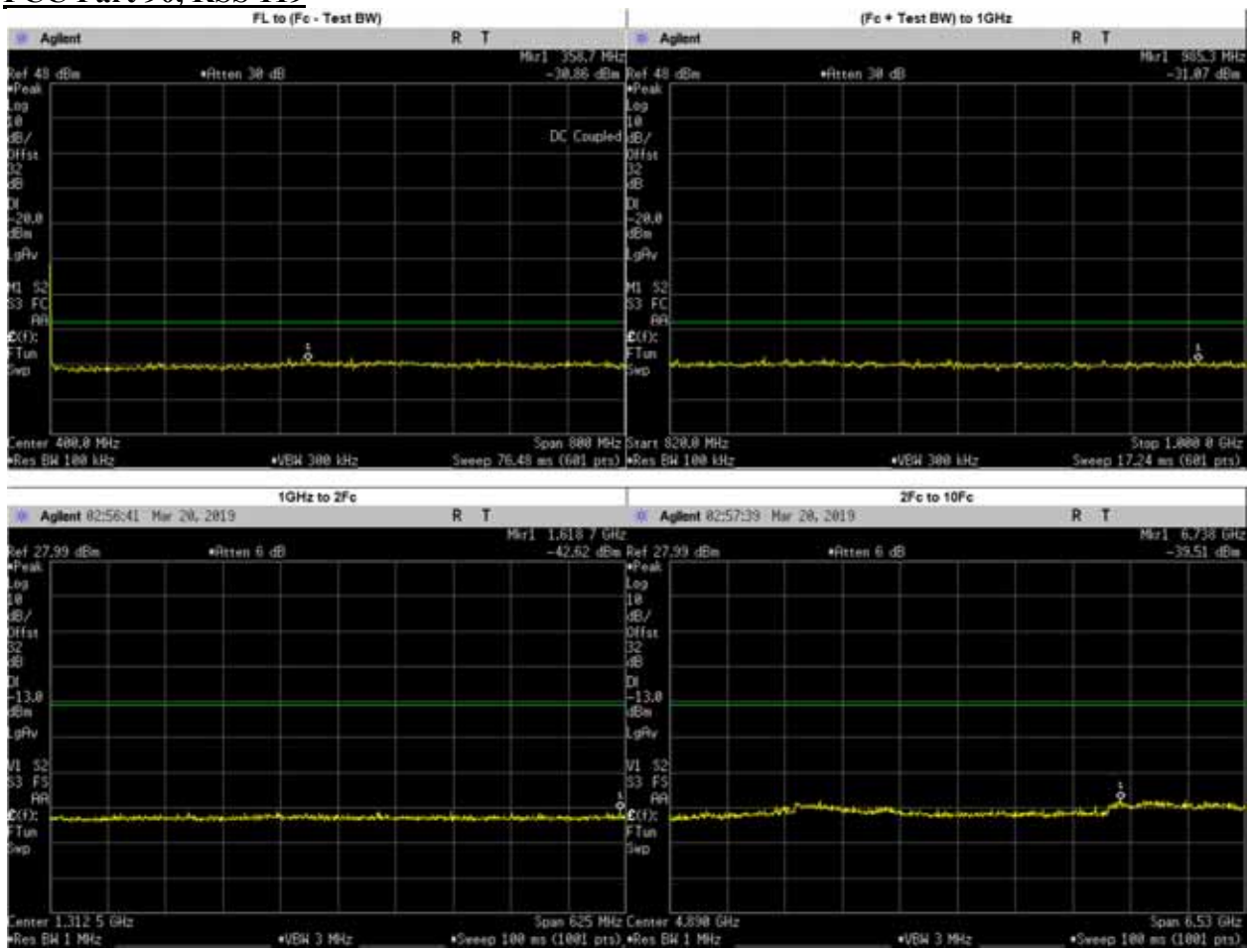
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	397.8000	-30.7300	-20	PASS
(Fc + Test BW) to 1GHz	985.1500	-31.1900	-20	PASS
1GHz to 2Fc	1579.7090	-42.9400	-20	PASS
2Fc to 10Fc	7664.7230	-39.6600	-20	PASS
	1612.0250	-44.7409	-20	PASS
	2418.0370	-44.5718	-20	PASS
	3224.0500	-41.6656	-20	PASS
	4030.0620	-42.6019	-20	PASS
	4836.0750	-44.2090	-20	PASS
	5642.0870	-43.9447	-20	PASS
	6448.1000	-43.6043	-20	PASS
	7254.1130	-40.3810	-20	PASS
	8060.1250	-41.9175	-20	PASS

<u>Digital:</u> 806.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



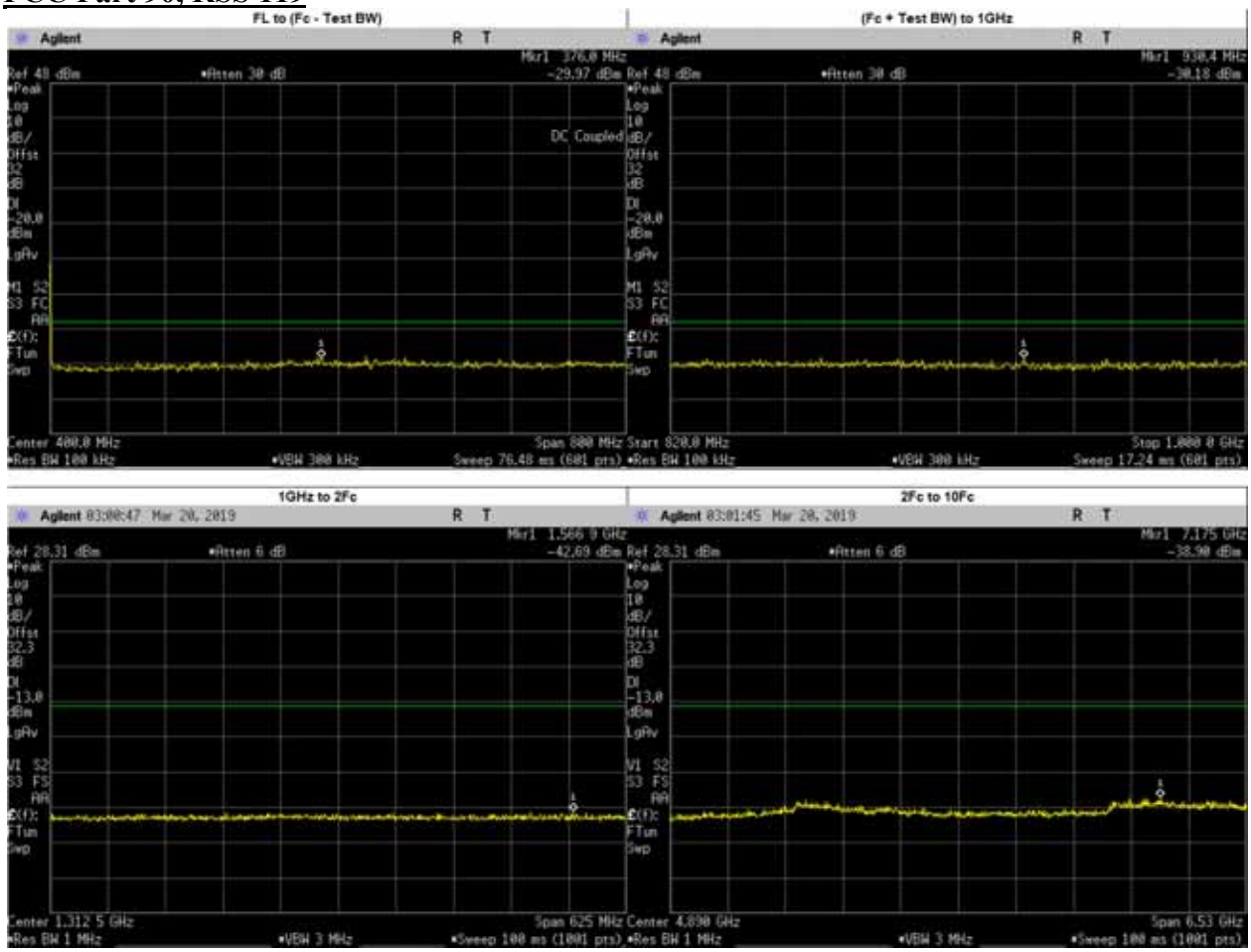
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	196.3000	-30.0200	-20	PASS
(Fc + Test BW) to 1GHz	961.7600	-30.6100	-20	PASS
1GHz to 2Fc	1188.1780	-43.3200	-20	PASS
2Fc to 10Fc	7129.0000	-39.2600	-20	PASS
	1612.0250	-44.4871	-20	PASS
	2418.0370	-44.5670	-20	PASS
	3224.0500	-41.1382	-20	PASS
	4030.0620	-42.4513	-20	PASS
	4836.0750	-44.1760	-20	PASS
	5642.0870	-43.8665	-20	PASS
	6448.1000	-43.8975	-20	PASS
	7254.1130	-40.6945	-20	PASS
	8060.1250	-41.3301	-20	PASS

<u>Digital:</u> 814.9875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



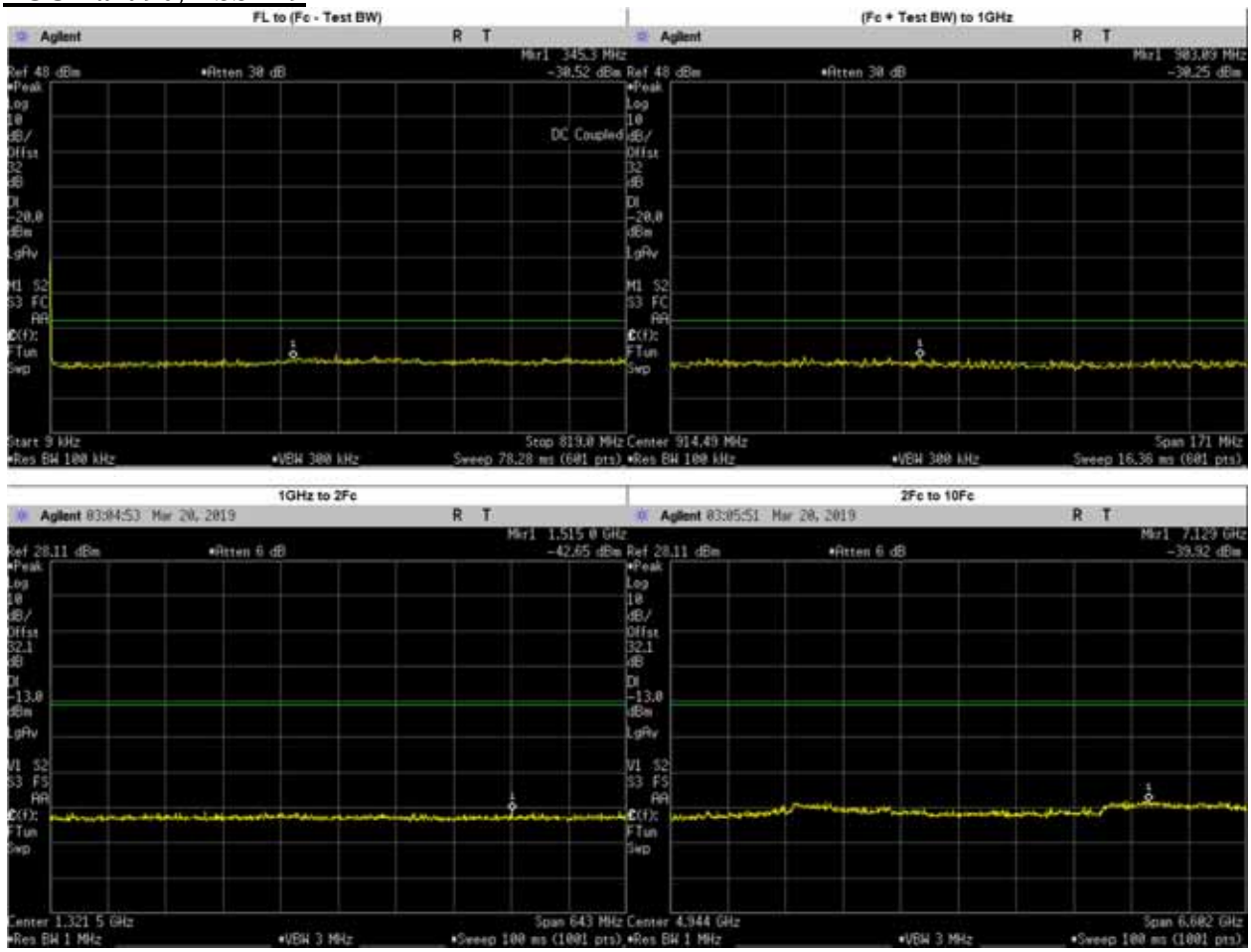
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	358.7000	-30.8600	-20	PASS
(Fc + Test BW) to 1GHz	985.3000	-31.0700	-20	PASS
1GHz to 2Fc	1618.7250	-42.6200	-20	PASS
2Fc to 10Fc	6737.8870	-39.5100	-20	PASS
	1629.9750	-44.3953	-20	PASS
	2444.9630	-43.6749	-20	PASS
	3259.9500	-41.1554	-20	PASS
	4074.9370	-41.8472	-20	PASS
	4889.9250	-42.9890	-20	PASS
	5704.9130	-43.0701	-20	PASS
	6519.9000	-43.2697	-20	PASS
	7334.8870	-41.1733	-20	PASS
	8149.8750	-41.9497	-20	PASS

<u>Digital:</u> 814.9875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



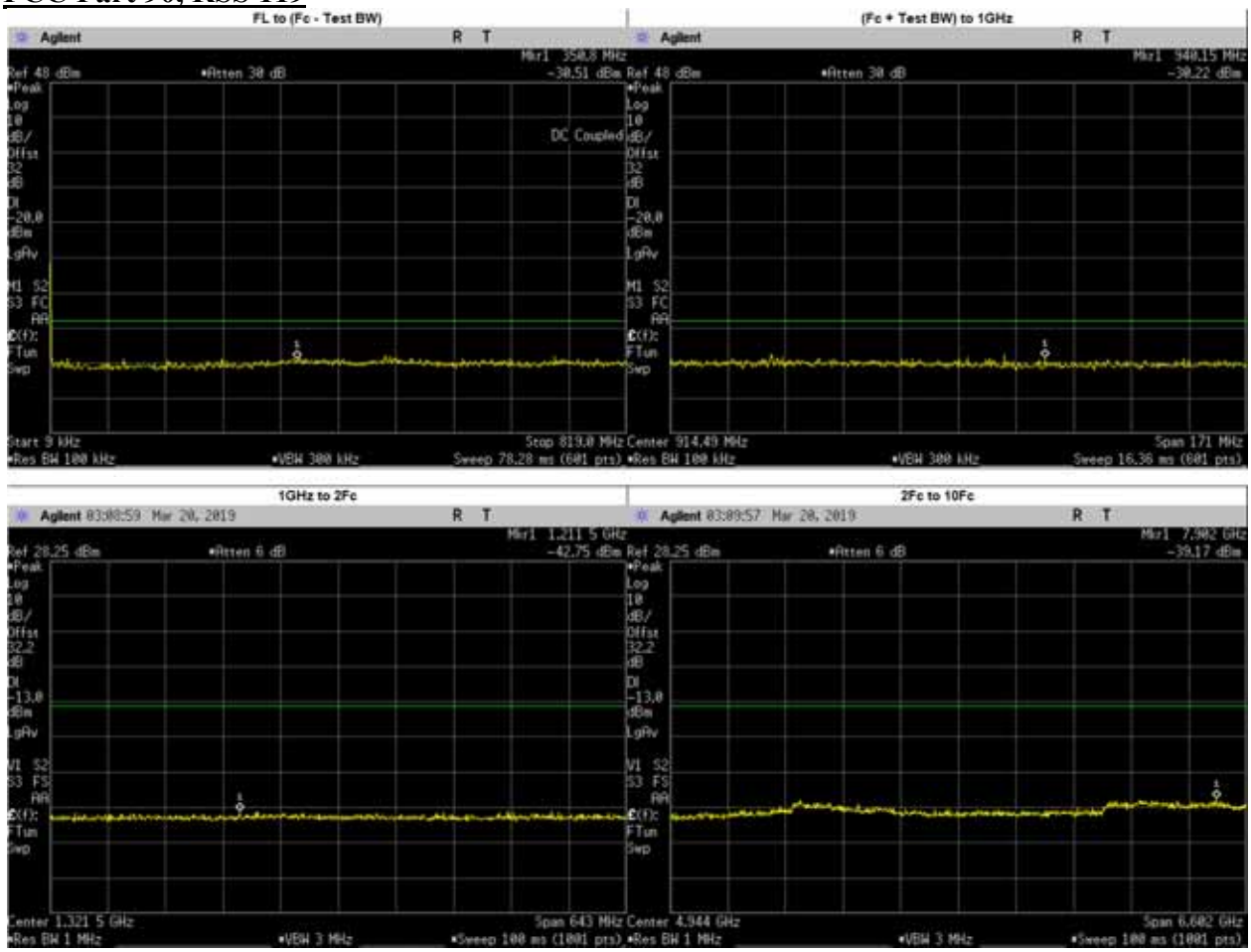
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	376.0000	-29.9700	-20	PASS
(Fc + Test BW) to 1GHz	930.4000	-30.1800	-20	PASS
1GHz to 2Fc	1566.8520	-42.6900	-20	PASS
2Fc to 10Fc	7175.3900	-38.9000	-20	PASS
	1629.9750	-44.0781	-20	PASS
	2444.9630	-44.0517	-20	PASS
	3259.9500	-40.8403	-20	PASS
	4074.9370	-42.1295	-20	PASS
	4889.9250	-43.3290	-20	PASS
	5704.9130	-43.6820	-20	PASS
	6519.9000	-42.9827	-20	PASS
	7334.8870	-40.9690	-20	PASS
	8149.8750	-42.0057	-20	PASS

<u>Digital:</u> 823.9875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



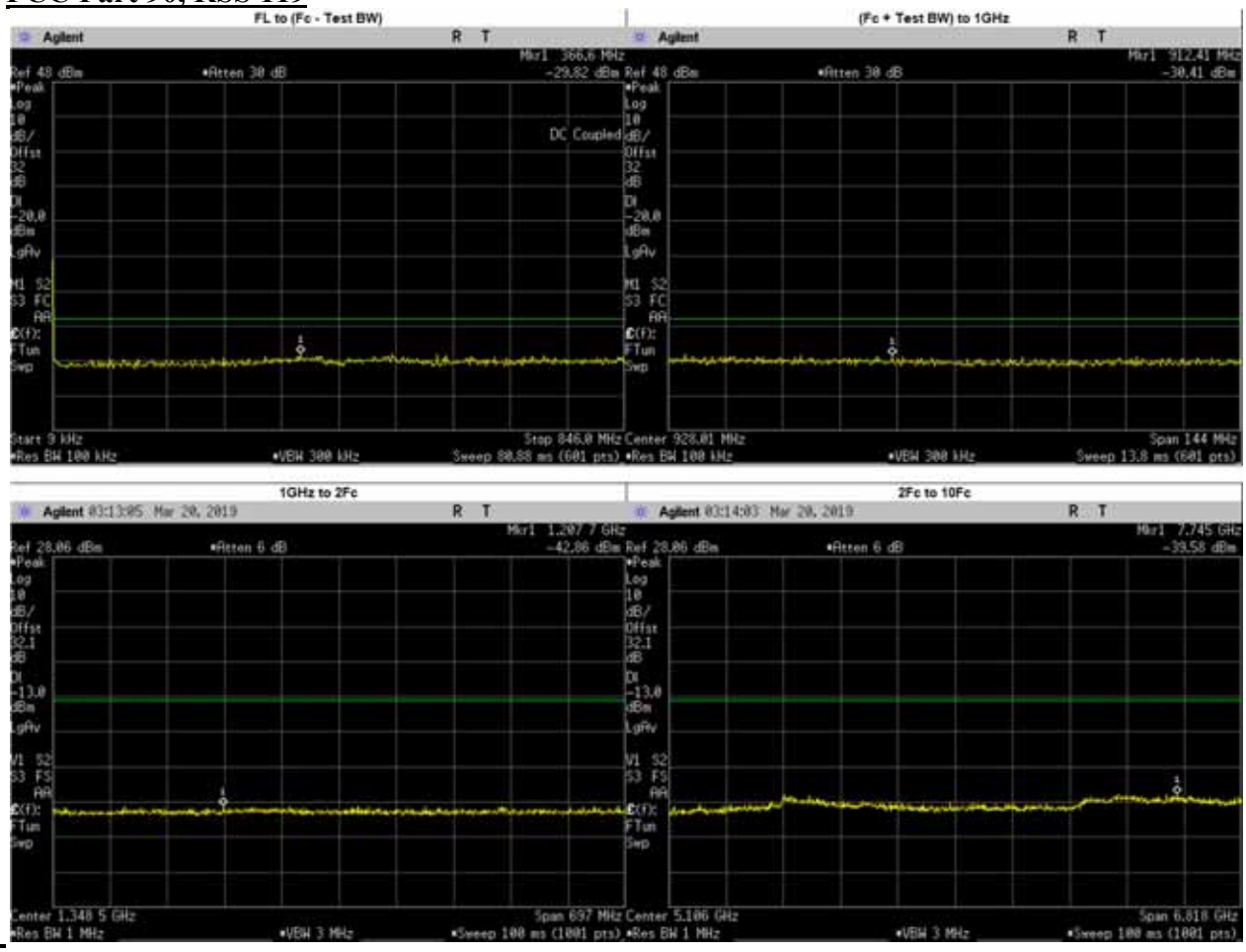
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	345.3000	-30.5200	-20	PASS
(Fc + Test BW) to 1GHz	903.0000	-30.2500	-20	PASS
1GHz to 2Fc	1515.0230	-42.6500	-20	PASS
2Fc to 10Fc	7129.1540	-39.9200	-20	PASS
	1647.9750	-44.3640	-20	PASS
	2471.9630	-44.1120	-20	PASS
	3295.9500	-41.5174	-20	PASS
	4119.9370	-42.7393	-20	PASS
	4943.9250	-43.2260	-20	PASS
	5767.9130	-43.6596	-20	PASS
	6591.9000	-43.1424	-20	PASS
	7415.8870	-41.5766	-20	PASS
	8239.8750	-42.5175	-20	PASS

<u>Digital:</u> 823.9875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



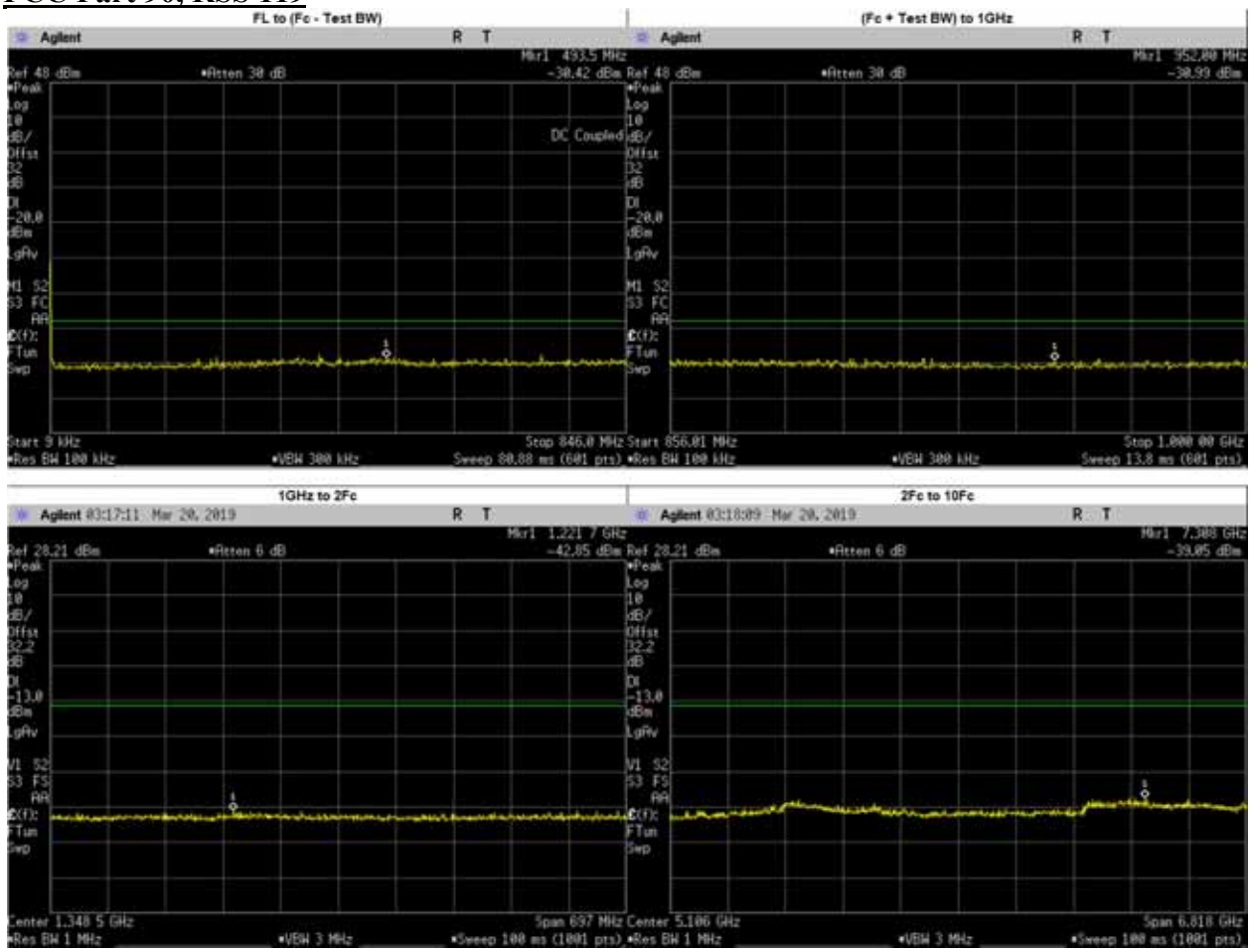
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	350.8000	-30.5100	-20	PASS
(Fc + Test BW) to 1GHz	940.1500	-30.2200	-20	PASS
1GHz to 2Fc	1211.5390	-42.7500	-20	PASS
2Fc to 10Fc	7901.5760	-39.1700	-20	PASS
	1647.9750	-44.7474	-20	PASS
	2471.9630	-43.1734	-20	PASS
	3295.9500	-41.6069	-20	PASS
	4119.9370	-42.2381	-20	PASS
	4943.9250	-44.1480	-20	PASS
	5767.9130	-43.3877	-20	PASS
	6591.9000	-43.5094	-20	PASS
	7415.8870	-41.9573	-20	PASS
	8239.8750	-41.2398	-20	PASS

<u>Digital:</u> 851.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



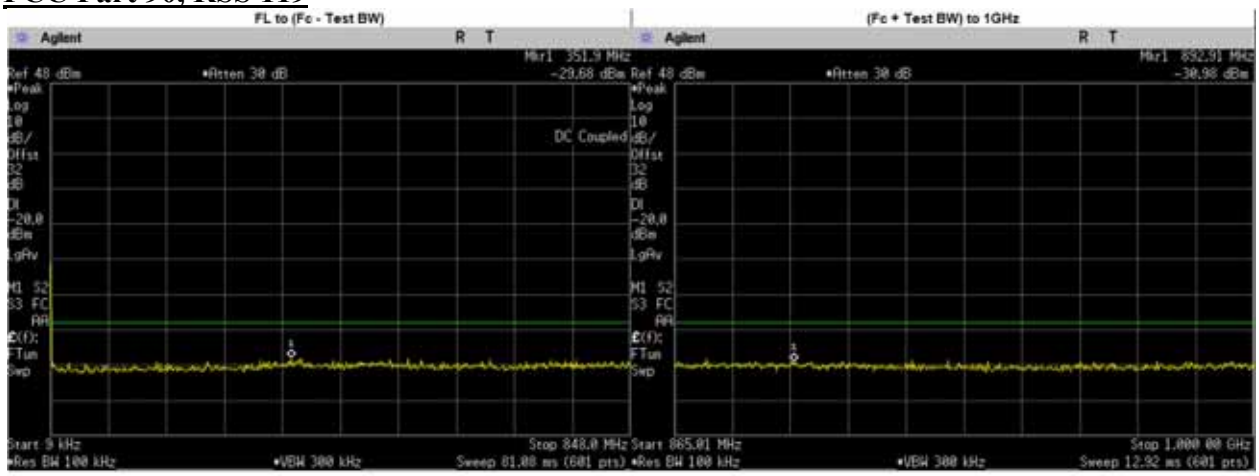
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	366.6000	-29.8200	-20	PASS
(Fc + Test BW) to 1GHz	912.4100	-30.4100	-20	PASS
1GHz to 2Fc	1207.7130	-42.8600	-20	PASS
2Fc to 10Fc	7744.6800	-39.5800	-20	PASS
	1702.0250	-45.4560	-20	PASS
	2553.0370	-43.9163	-20	PASS
	3404.0500	-41.8645	-20	PASS
	4255.0620	-42.7327	-20	PASS
	5106.0750	-43.8310	-20	PASS
	5957.0870	-43.3839	-20	PASS
	6808.1000	-41.2295	-20	PASS
	7659.1130	-41.6427	-20	PASS
	8510.1250	-41.1797	-20	PASS

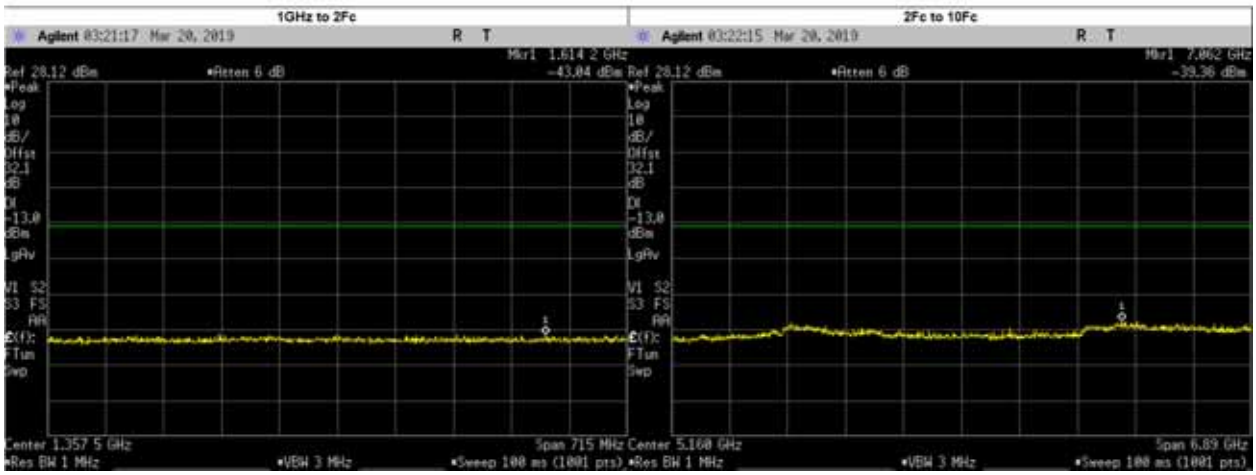
<u>Digital:</u> 851.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	493.5000	-30.4200	-20	PASS
(Fc + Test BW) to 1GHz	952.0000	-30.9900	-20	PASS
1GHz to 2Fc	1221.6540	-42.8500	-20	PASS
2Fc to 10Fc	7308.3210	-39.0500	-20	PASS
	1702.0250	-45.3214	-20	PASS
	2553.0370	-43.5451	-20	PASS
	3404.0500	-41.5183	-20	PASS
	4255.0620	-42.8781	-20	PASS
	5106.0750	-43.7220	-20	PASS
	5957.0870	-44.2484	-20	PASS
	6808.1000	-40.8106	-20	PASS
	7659.1130	-41.0322	-20	PASS
	8510.1250	-42.0411	-20	PASS

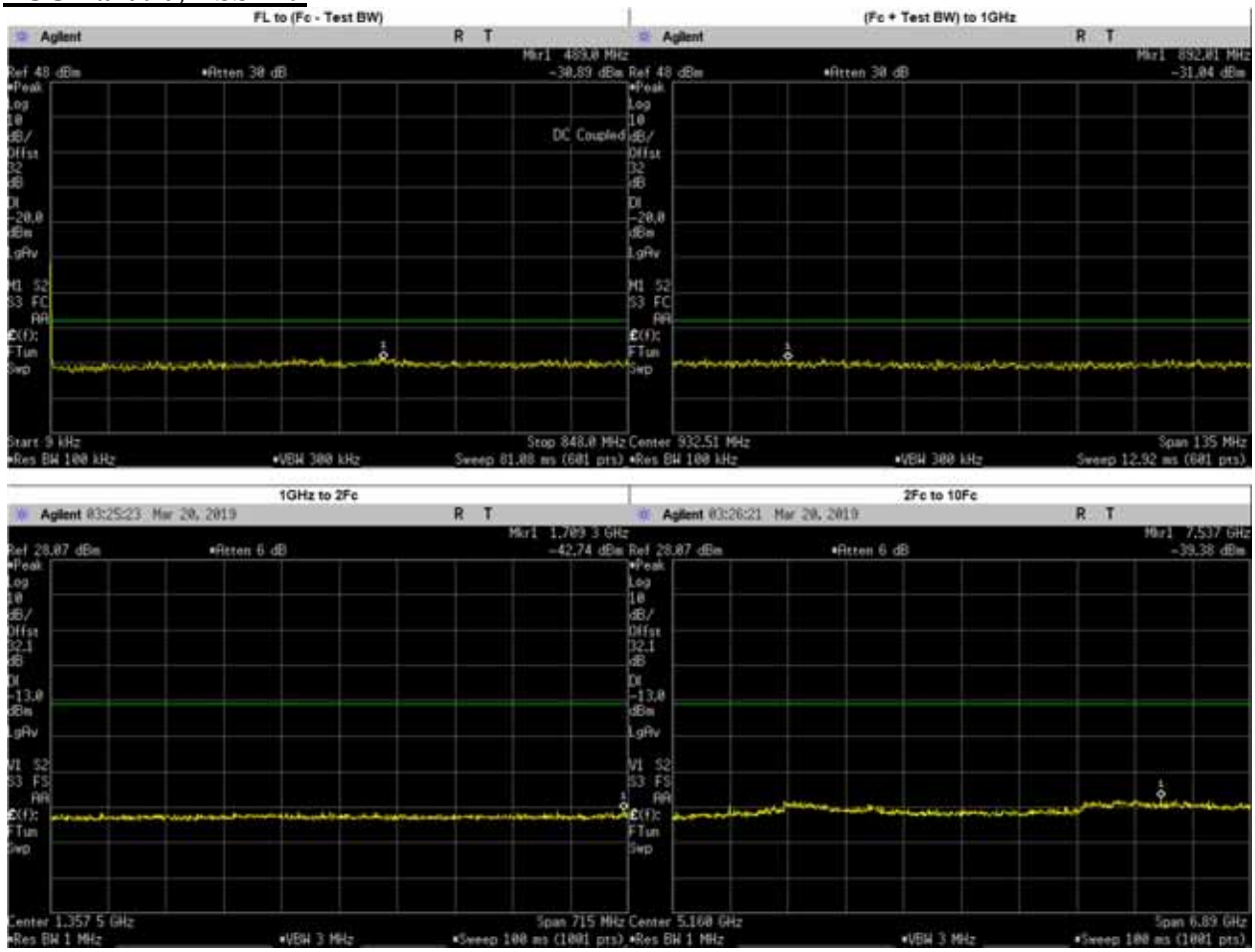
<u>Digital:</u> 860.0125 MHz, 12.5kHz Channel Spacing, High Power
<u>FCC Part 90, RSS 119</u>





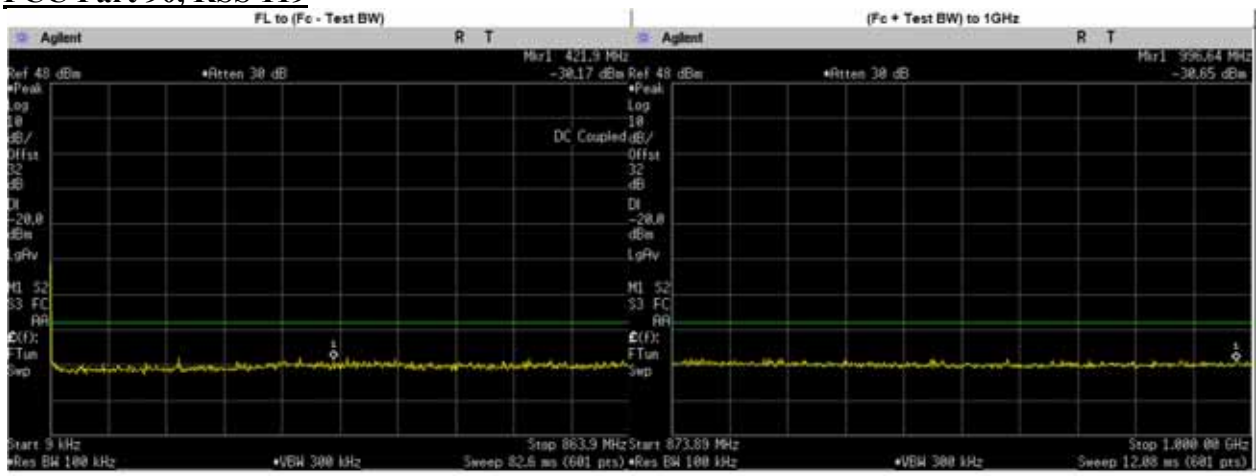
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	351.9000	-29.6800	-20	PASS
(Fc + Test BW) to 1GHz	892.9100	-30.9800	-20	PASS
1GHz to 2Fc	1614.2070	-43.0400	-20	PASS
2Fc to 10Fc	7061.7430	-39.3600	-20	PASS
	1720.0250	-44.8292	-20	PASS
	2580.0370	-43.6971	-20	PASS
	3440.0500	-41.8054	-20	PASS
	4300.0620	-43.2047	-20	PASS
	5160.0750	-43.8420	-20	PASS
	6020.0870	-43.3264	-20	PASS
	6880.1000	-41.4204	-20	PASS
	7740.1130	-40.9321	-20	PASS
	8600.1250	-41.8516	-20	PASS

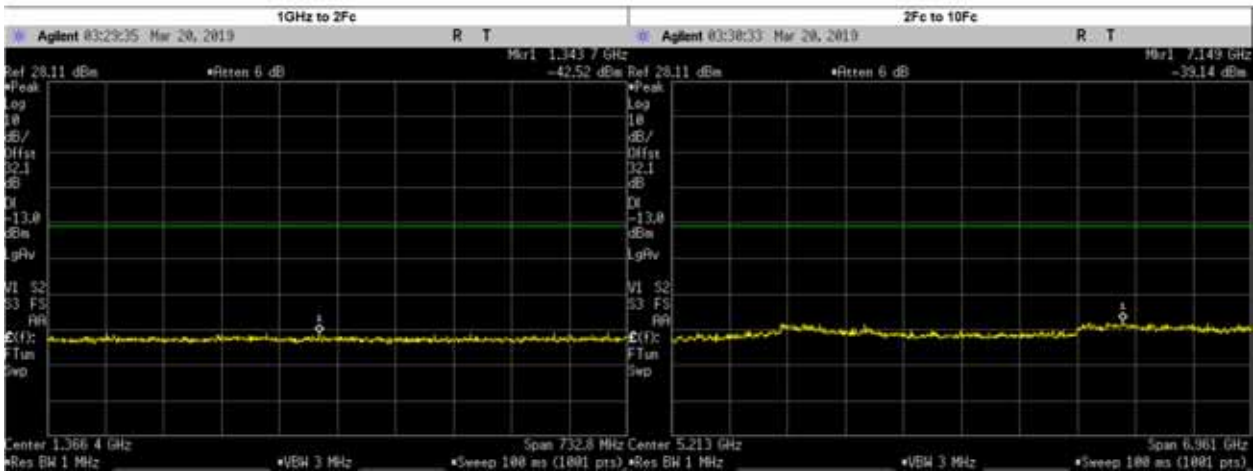
<u>Digital:</u> 860.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	489.0000	-30.8900	-20	PASS
(Fc + Test BW) to 1GHz	892.0100	-31.0400	-20	PASS
1GHz to 2Fc	1709.3050	-42.7400	-20	PASS
2Fc to 10Fc	7537.1590	-39.3800	-20	PASS
	1720.0250	-45.2158	-20	PASS
	2580.0370	-43.8978	-20	PASS
	3440.0500	-41.5774	-20	PASS
	4300.0620	-43.3715	-20	PASS
	5160.0750	-42.5750	-20	PASS
	6020.0870	-42.9881	-20	PASS
	6880.1000	-41.2431	-20	PASS
	7740.1130	-41.2197	-20	PASS
	8600.1250	-41.8830	-20	PASS

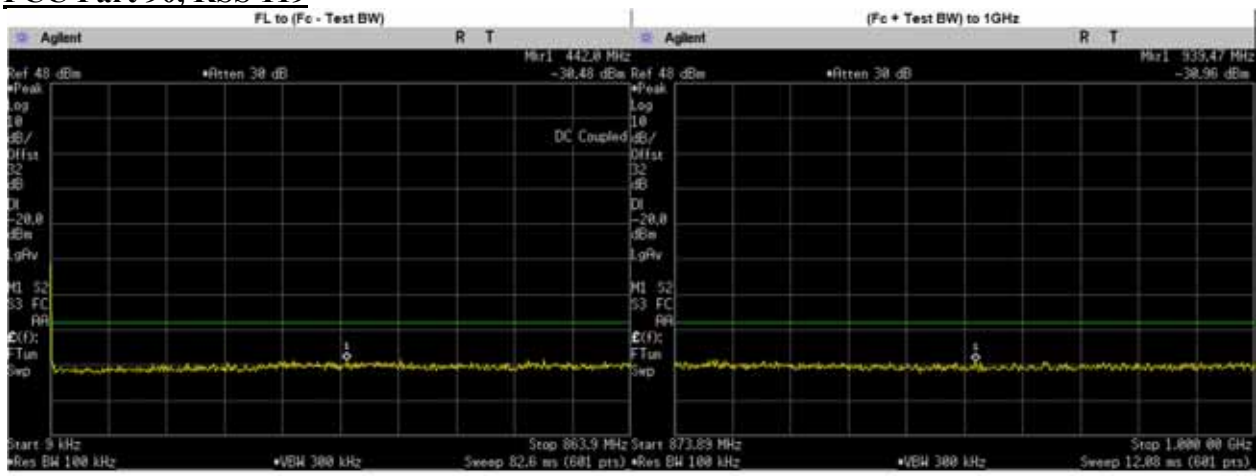
<u>Digital:</u> 868.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>

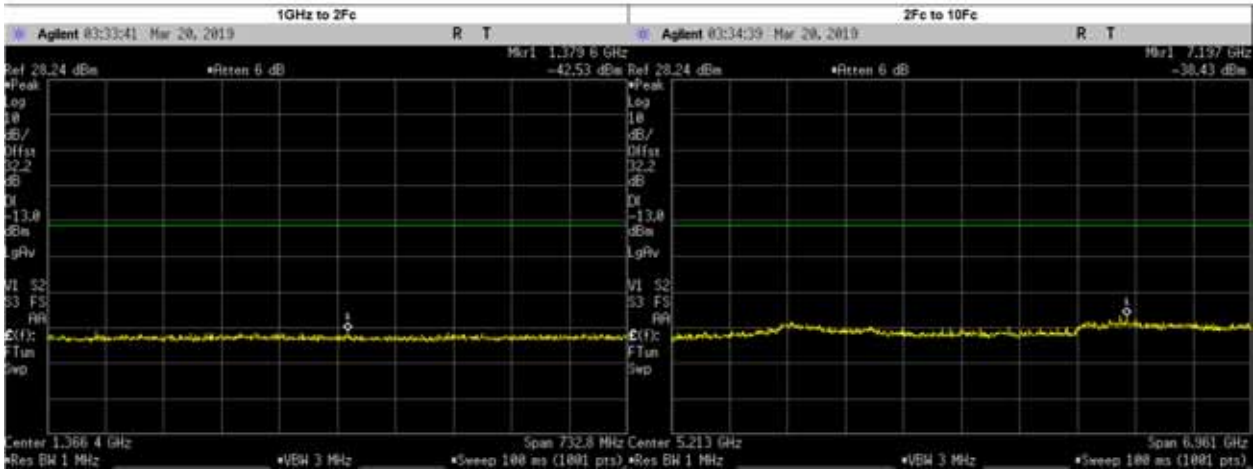




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	421.9000	-30.1700	-20	PASS
(Fc + Test BW) to 1GHz	996.6400	-30.6500	-20	PASS
1GHz to 2Fc	1343.6710	-42.5200	-20	PASS
2Fc to 10Fc	7148.5110	-39.1400	-20	PASS
	1737.7750	-44.3262	-20	PASS
	2606.6620	-44.1845	-20	PASS
	3475.5500	-41.9171	-20	PASS
	4344.4370	-43.4662	-20	PASS
	5213.3250	-41.9520	-20	PASS
	6082.2120	-43.0300	-20	PASS
	6951.1000	-40.9852	-20	PASS
	7819.9880	-41.1004	-20	PASS
	8688.8750	-41.7918	-20	PASS

<u>Digital:</u> 868.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>

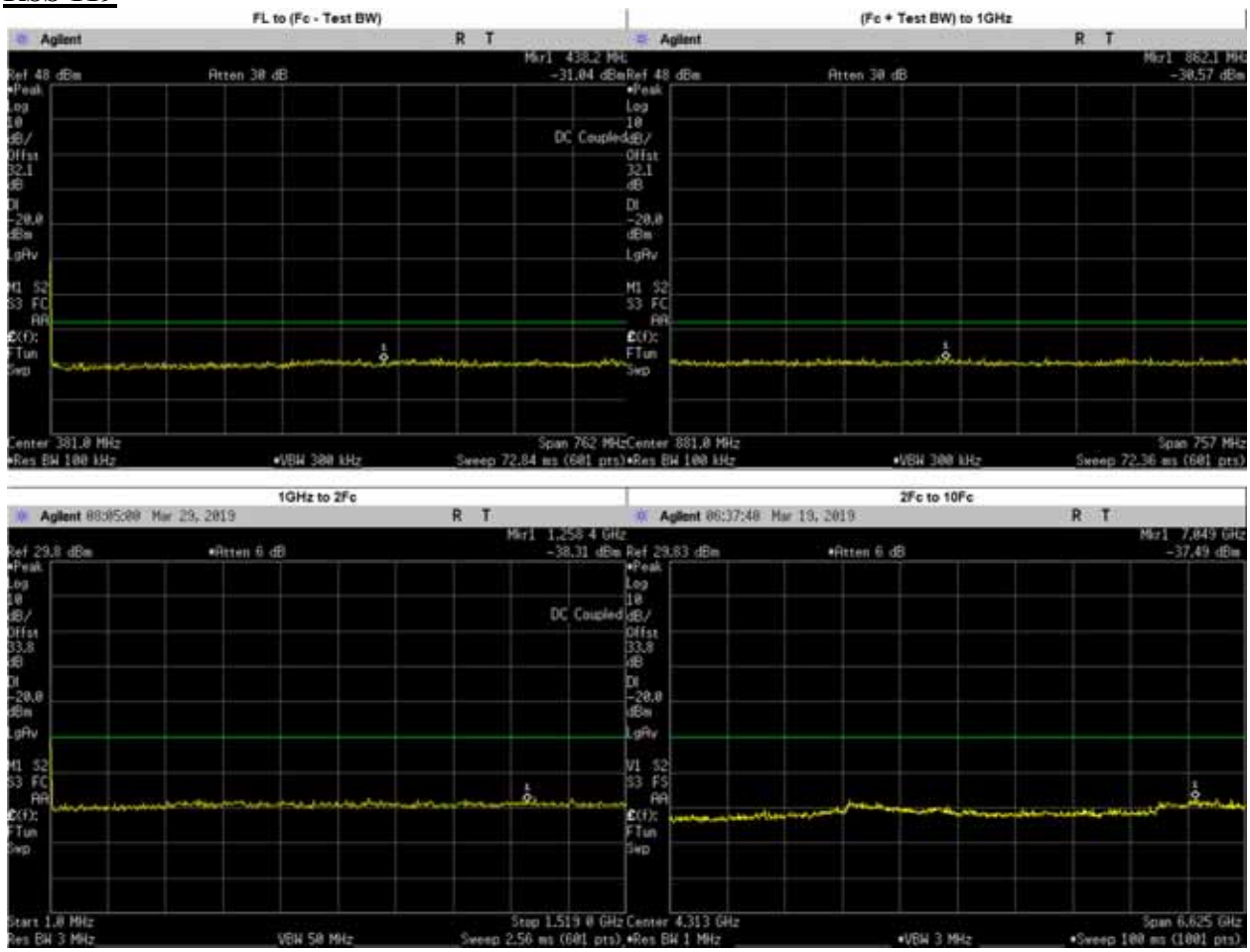




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	442.0000	-30.4800	-20	PASS
(Fc + Test BW) to 1GHz	939.4700	-30.9600	-20	PASS
1GHz to 2Fc	1379.5770	-42.5300	-20	PASS
2Fc to 10Fc	7197.2390	-38.4300	-20	PASS
	1737.7750	-45.0595	-20	PASS
	2606.6620	-43.5578	-20	PASS
	3475.5500	-41.6477	-20	PASS
	4344.4370	-43.4329	-20	PASS
	5213.3250	-42.0260	-20	PASS
	6082.2120	-43.8322	-20	PASS
	6951.1000	-40.9892	-20	PASS
	7819.9880	-40.9623	-20	PASS
	8688.8750	-41.9780	-20	PASS

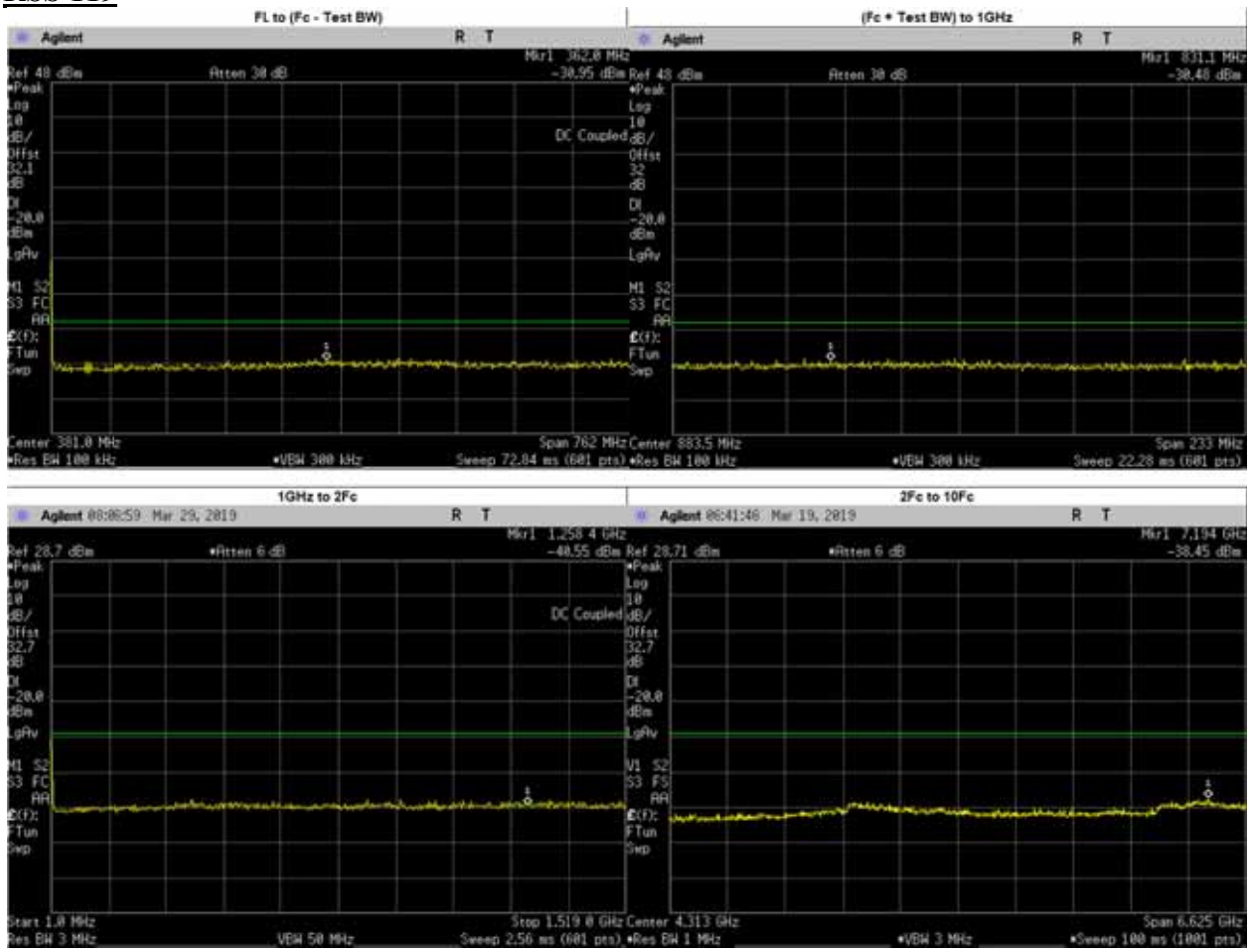
6.10.4. Test Result (PHASE 2)

<u>Phase 2:</u> 762.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



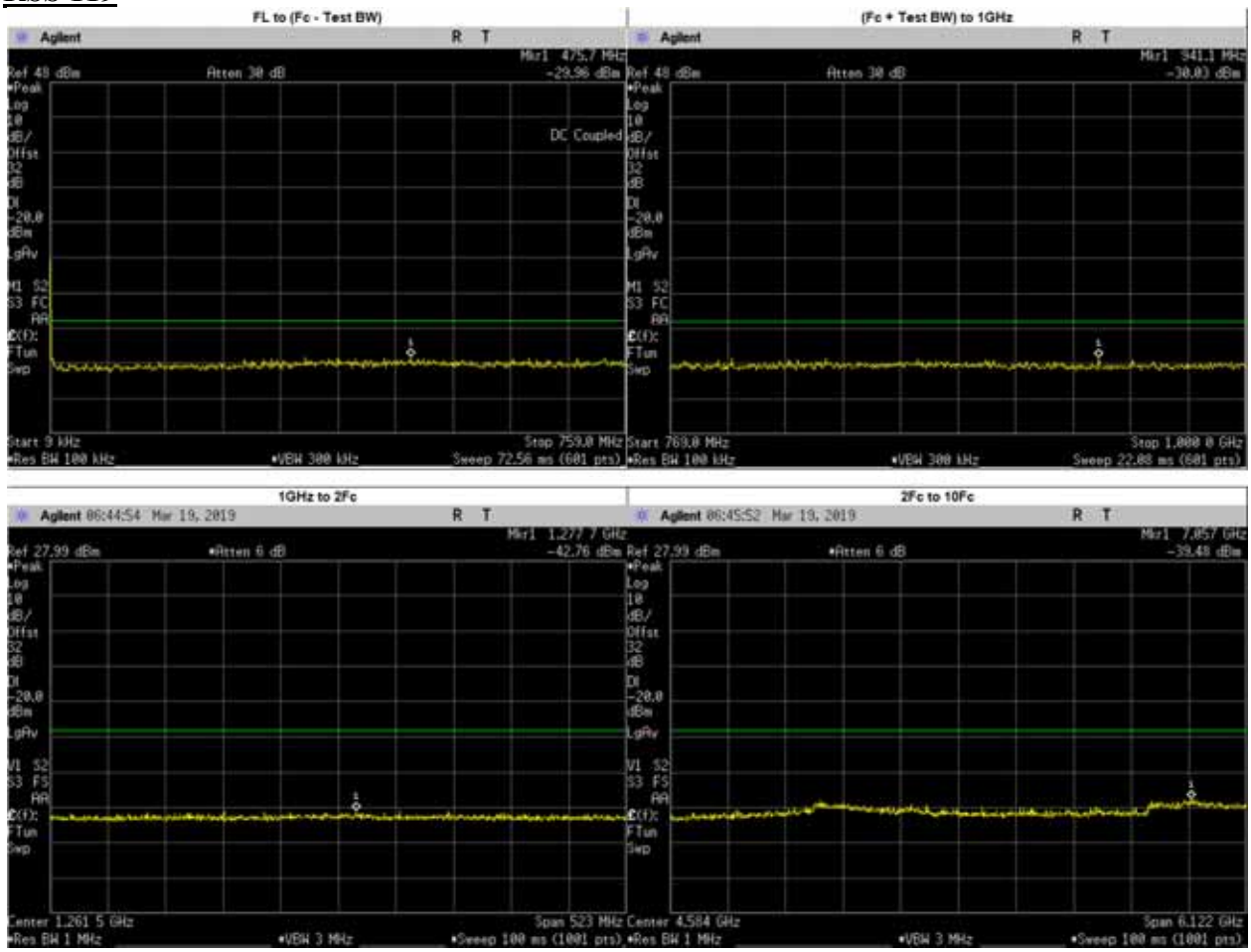
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	438.2000	-31.0400	-20	PASS
(Fc + Test BW) to 1GHz	862.1000	-30.5700	-20	PASS
1GHz to 2Fc	1258.4000	-38.3100	-20	PASS
2Fc to 10Fc	1524.0250	-42.9477	-20	PASS
	2286.0370	-43.1692	-20	PASS
	3810.0620	-41.2886	-20	PASS
	4572.0750	-42.0495	-20	PASS
	5334.0870	-41.2813	-20	PASS
	6096.1000	-41.1926	-20	PASS
	7048.7390	-37.4900	-20	PASS
	3067.0390	-47.2502	-20	PASS
	3048.0500	-49.1261	-20	PASS
	7620.1250	-44.4257	-20	PASS

<u>Phase 2:</u> 762.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



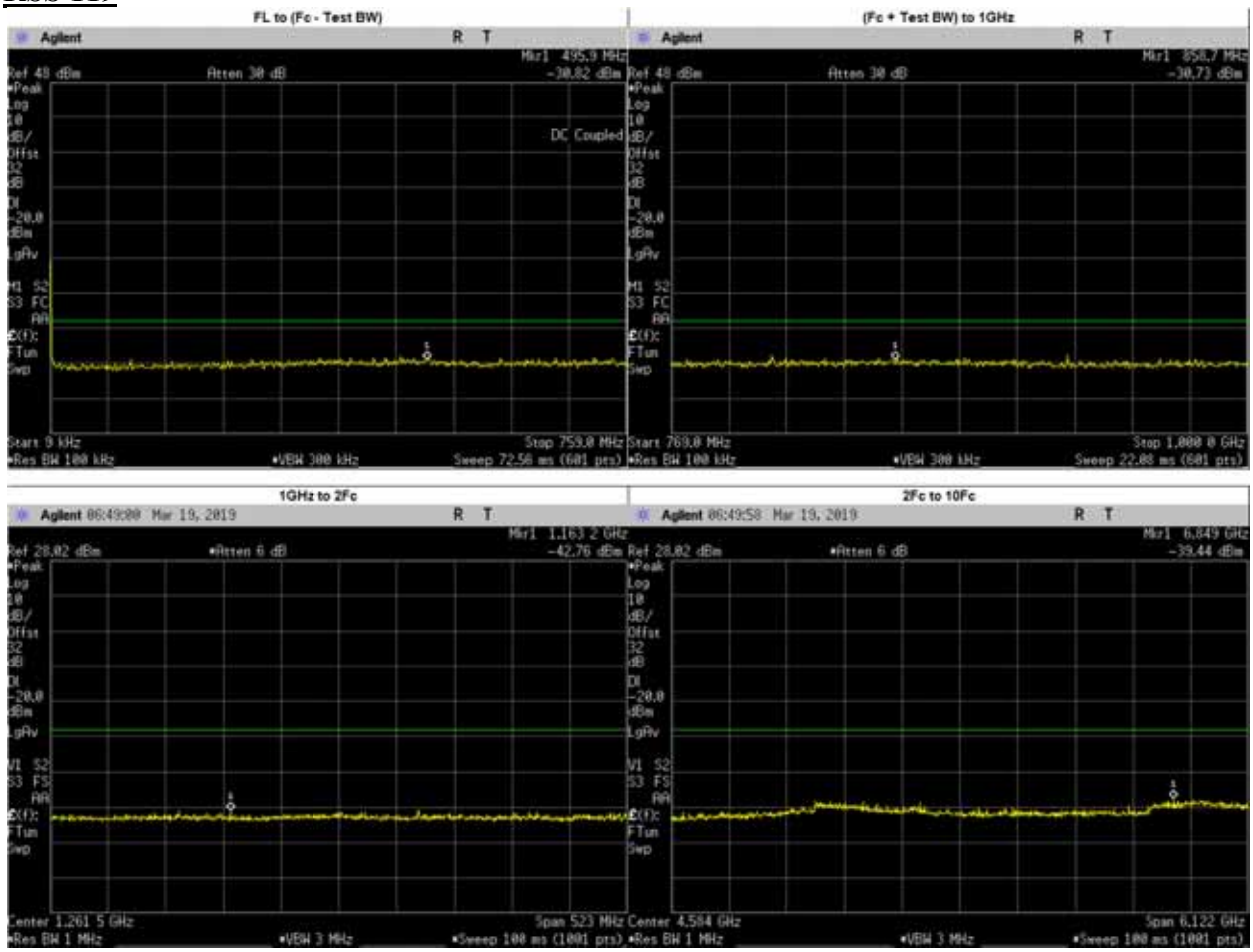
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	362.0000	-30.9500	-20	PASS
(Fc + Test BW) to 1GHz	831.1000	-30.4800	-20	PASS
1GHz to 2Fc	1258.4000	-40.5500	-20	PASS
2Fc to 10Fc	1524.0250	-44.0057	-20	PASS
	2286.0370	-44.0808	-20	PASS
	3048.0500	-40.4775	-20	PASS
	3810.0620	-41.4445	-20	PASS
	4572.0750	-43.1365	-20	PASS
	5334.0870	-42.6812	-20	PASS
	6096.1000	-43.1681	-20	PASS
	6858.1130	-41.0995	-20	PASS
	7620.1250	-40.8185	-20	PASS
	7194.4920	-38.4500	-20	PASS

<u>Phase 2:</u> 764.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



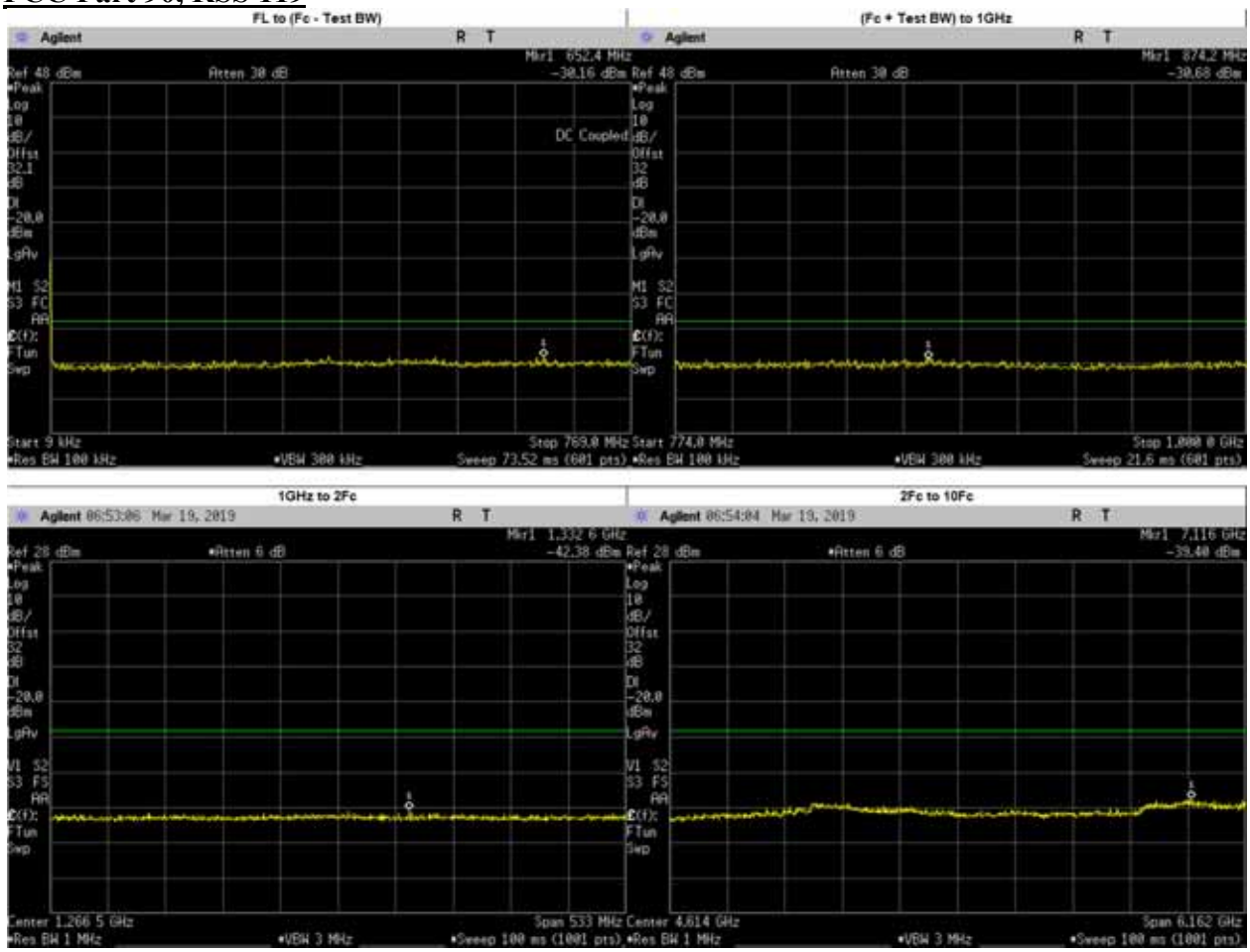
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	475.7000	-29.9600	-20	PASS
(Fc + Test BW) to 1GHz	941.1000	-30.0300	-20	PASS
1GHz to 2Fc	1277.7260	-42.7600	-20	PASS
2Fc to 10Fc	1528.0250	-44.6718	-20	PASS
	2292.0370	-43.9631	-20	PASS
	3056.0500	-41.2649	-20	PASS
	3820.0620	-42.7272	-20	PASS
	4584.0750	-43.4290	-20	PASS
	5348.0870	-43.0708	-20	PASS
	6112.1000	-43.7450	-20	PASS
	6876.1130	-41.6845	-20	PASS
	7640.1250	-41.4957	-20	PASS
	7057.4030	-42.2826	-20	PASS

<u>Phase 2:</u> 764.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



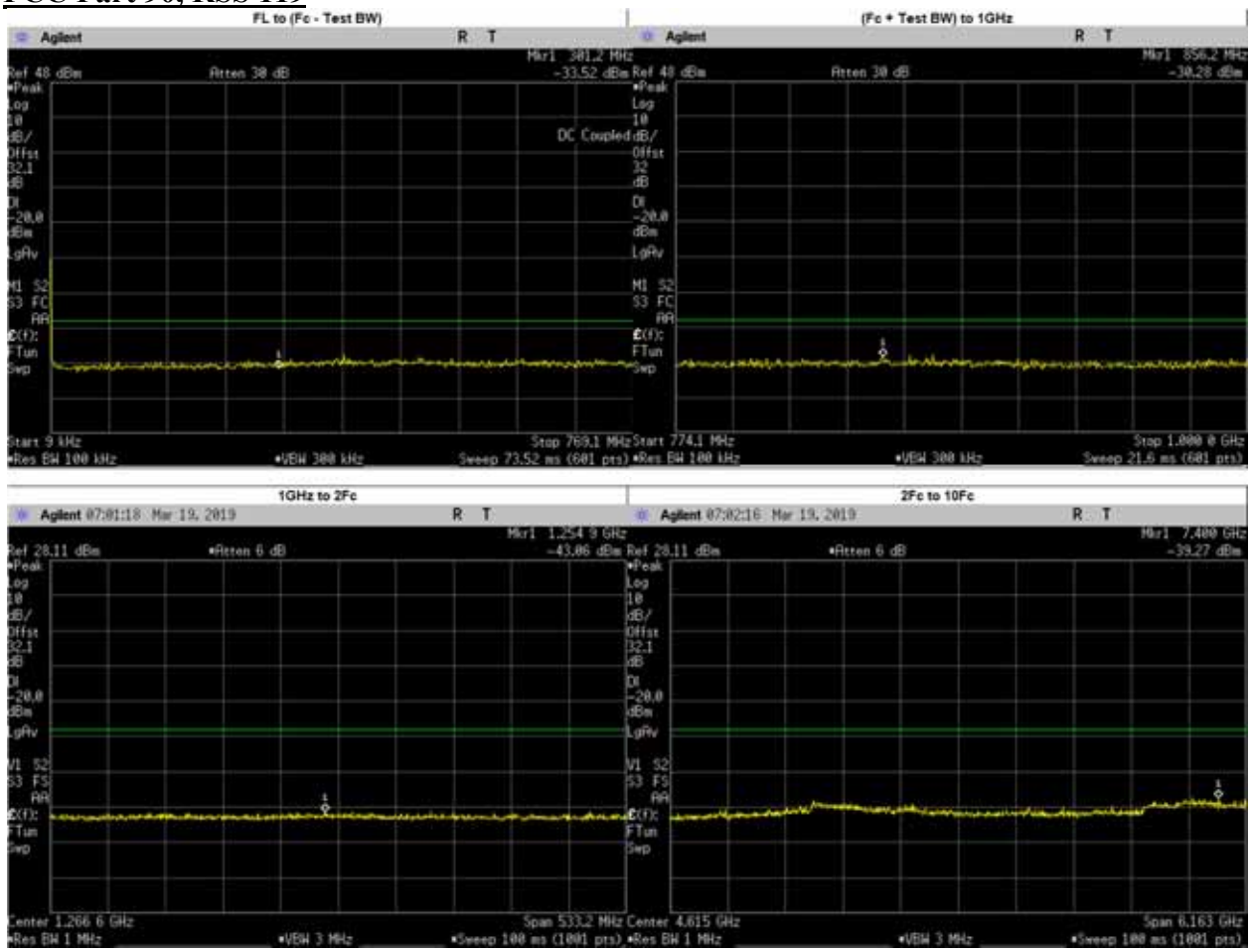
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	495.9000	-30.8200	-20	PASS
(Fc + Test BW) to 1GHz	858.7000	-30.7300	-20	PASS
1GHz to 2Fc	1163.1840	-42.7600	-20	PASS
2Fc to 10Fc	1528.0250	-45.3833	-20	PASS
	2292.0370	-44.6414	-20	PASS
	3056.0500	-40.4809	-20	PASS
	3820.0620	-42.9062	-20	PASS
	4584.0750	-44.0820	-20	PASS
	5348.0870	-43.4207	-20	PASS
	6112.1000	-42.9243	-20	PASS
	6876.1130	-41.3652	-20	PASS
	7640.1250	-41.8216	-20	PASS
	6849.2520	-39.4400	-20	PASS

<u>Phase 2:</u> 769.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



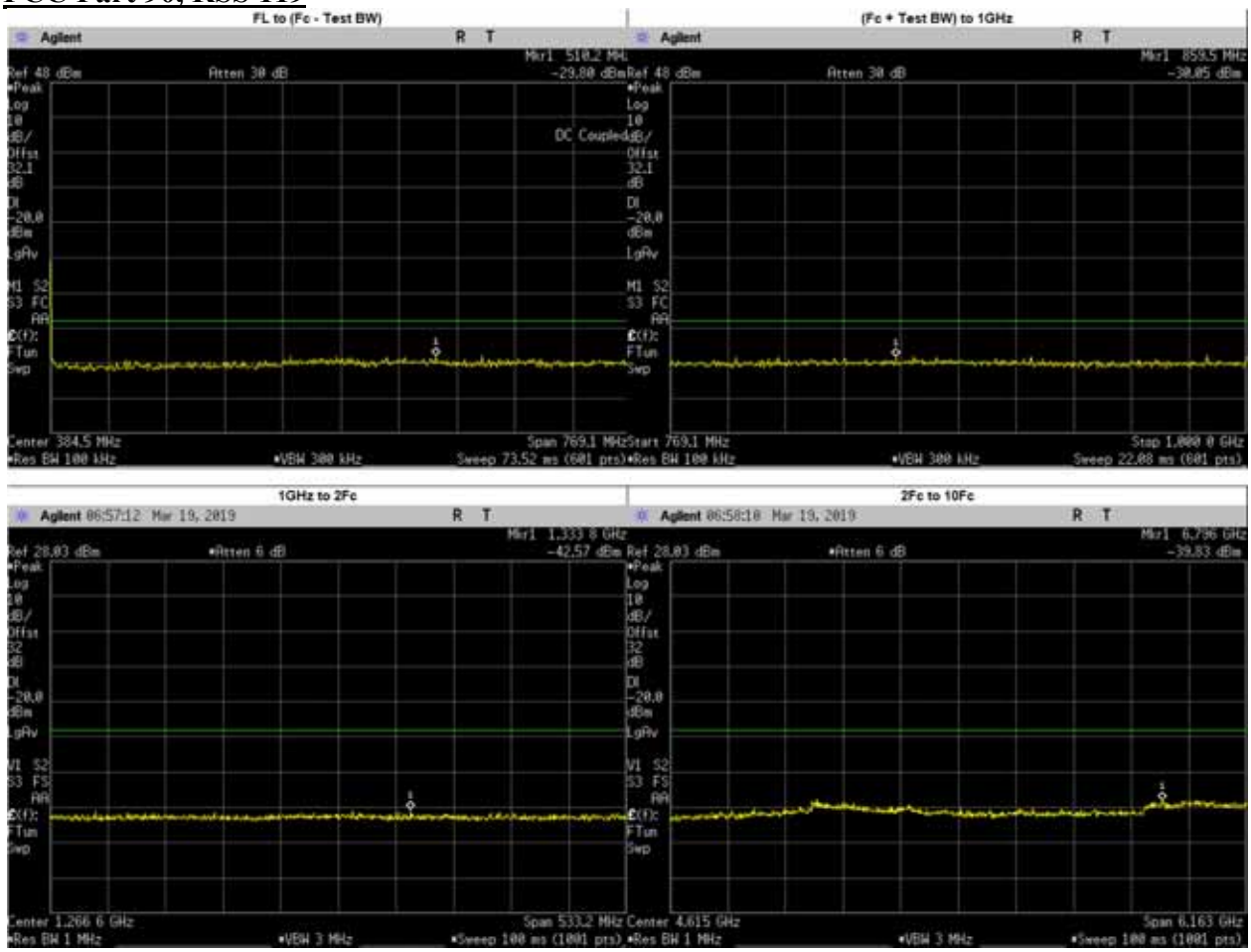
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	652.4000	-30.1600	-20	PASS
(Fc + Test BW) to 1GHz	874.2000	-30.6800	-20	PASS
1GHz to 2Fc	1332.6080	-42.3800	-20	PASS
2Fc to 10Fc	1538.0250	-45.4329	-20	PASS
	2307.0370	-44.2407	-20	PASS
	3076.0500	-41.4978	-20	PASS
	3845.0620	-43.2773	-20	PASS
	4614.0750	-43.9260	-20	PASS
	5383.0870	-44.0028	-20	PASS
	6152.1000	-43.6498	-20	PASS
	6921.1130	-41.5097	-20	PASS
	7690.1250	-41.2467	-20	PASS
	7115.8880	-39.4000	-20	PASS

<u>Phase 2:</u> 769.0875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



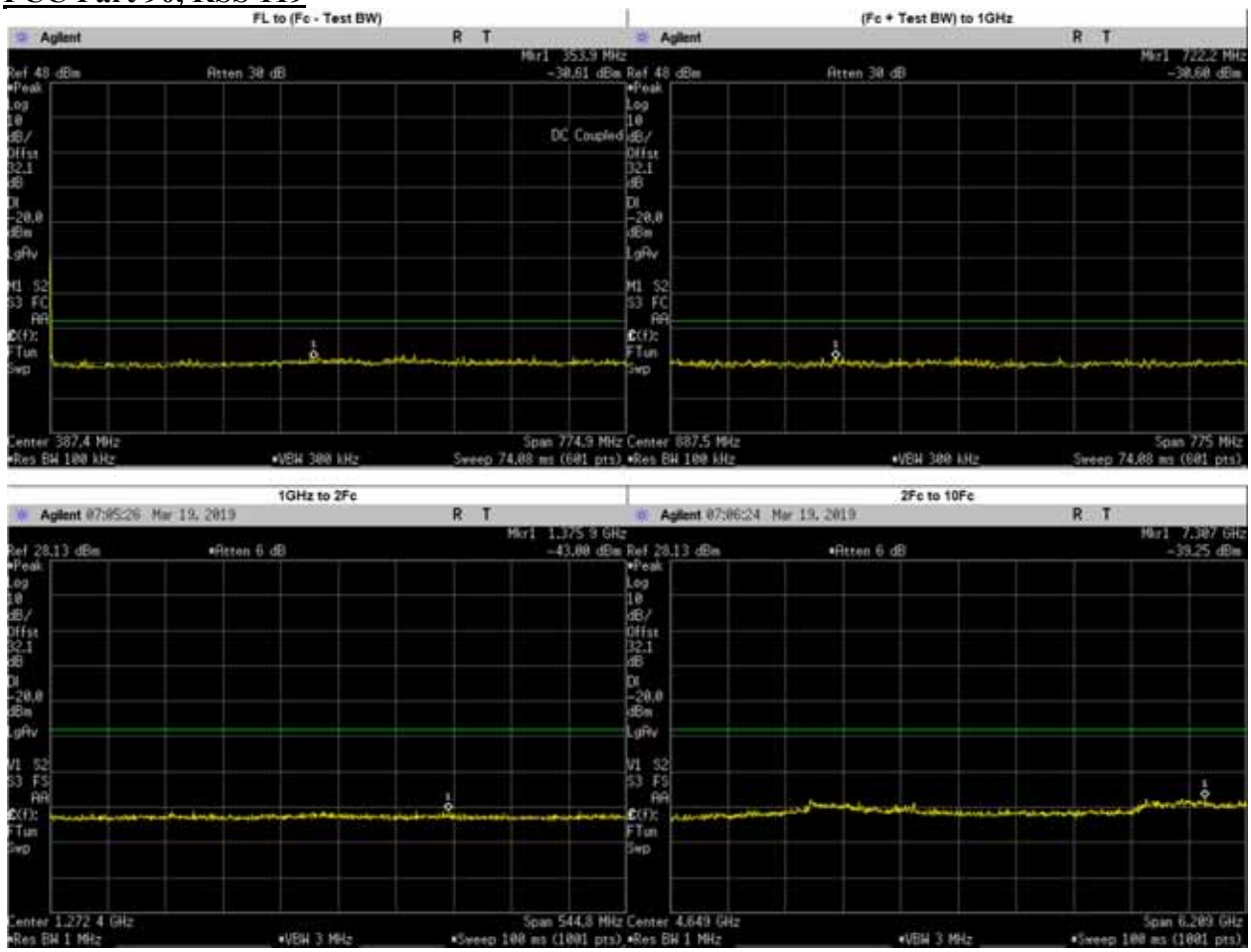
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	301.2000	-33.5200	-20	PASS
(Fc + Test BW) to 1GHz	856.2000	-30.2800	-20	PASS
1GHz to 2Fc	1254.8580	43.0600	-20	PASS
2Fc to 10Fc	1538.1750	-45.2000	-20	PASS
	2307.2620	-43.9634	-20	PASS
	3076.3500	-40.8972	-20	PASS
	3845.4370	-43.4533	-20	PASS
	4614.5250	-43.7090	-20	PASS
	5383.6130	-42.9609	-20	PASS
	6152.7000	-43.5588	-20	PASS
	6921.7880	-42.0849	-20	PASS
	7690.8750	-40.9934	-20	PASS
	7400.0650	-39.2700	-20	PASS

<u>Phase 2:</u> 769.0875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



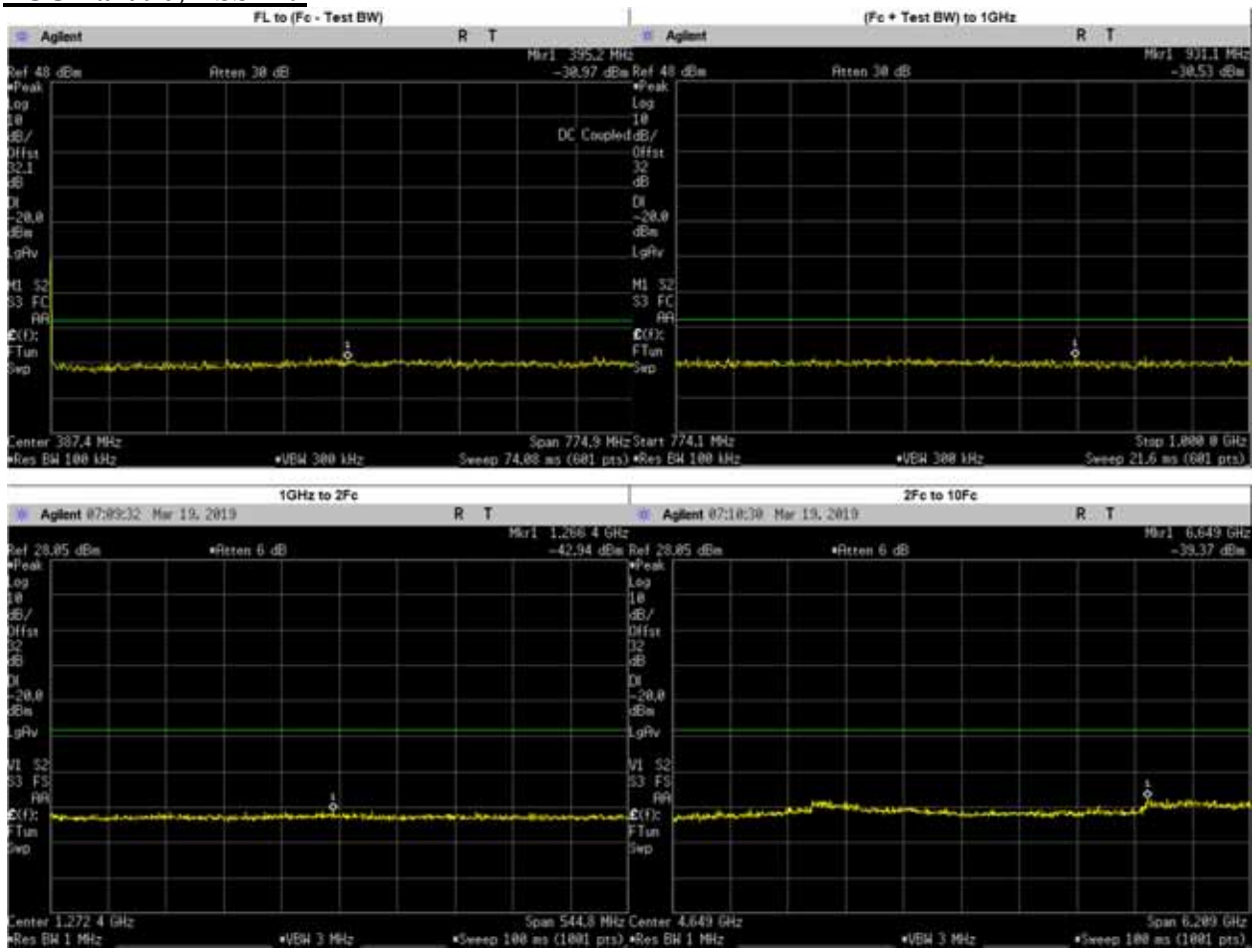
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	510.2000	-29.8000	-20	PASS
(Fc + Test BW) to 1GHz	859.5000	-30.0500	-20	PASS
1GHz to 2Fc	1333.7680	-42.5700	-20	PASS
2Fc to 10Fc	1538.1750	-45.0199	-20	PASS
	2307.2620	-44.5722	-20	PASS
	3076.3500	-41.1347	-20	PASS
	3845.4370	-43.1442	-20	PASS
	4614.5250	-43.4880	-20	PASS
	5383.6130	-43.8773	-20	PASS
	6152.7000	-43.6322	-20	PASS
	6921.7880	-41.5304	-20	PASS
	7690.8750	-40.6852	-20	PASS
	6796.1210	-39.9300	-20	PASS

<u>Phase 2:</u> 774.8875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



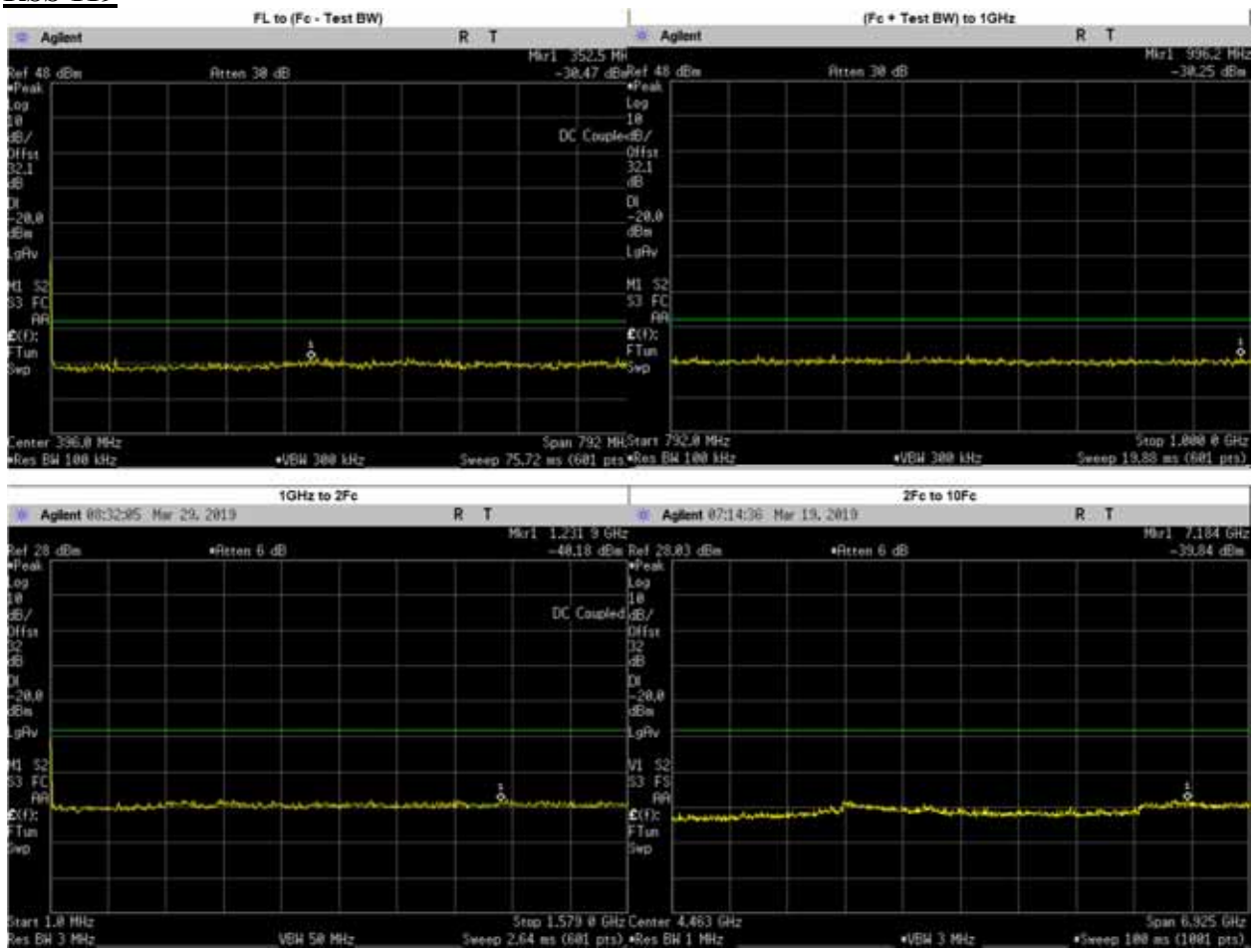
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	353.9000	-30.6100	-20	PASS
(Fc + Test BW) to 1GHz	722.2000	-30.6000	-20	PASS
1GHz to 2Fc	1375.8950	-43.0000	-20	PASS
2Fc to 10Fc	1549.7750	-44.7291	-20	PASS
	2324.6620	-44.6429	-20	PASS
	3099.5500	-40.9428	-20	PASS
	3874.4370	-43.1091	-20	PASS
	4649.3250	-43.6970	-20	PASS
	5424.2120	-43.3716	-20	PASS
	6199.1000	-43.0979	-20	PASS
	6973.9880	-41.3568	-20	PASS
	7748.8750	-40.8987	-20	PASS
	7306.8200	-39.2500	-20	PASS

<u>Phase 2:</u> 774.8875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



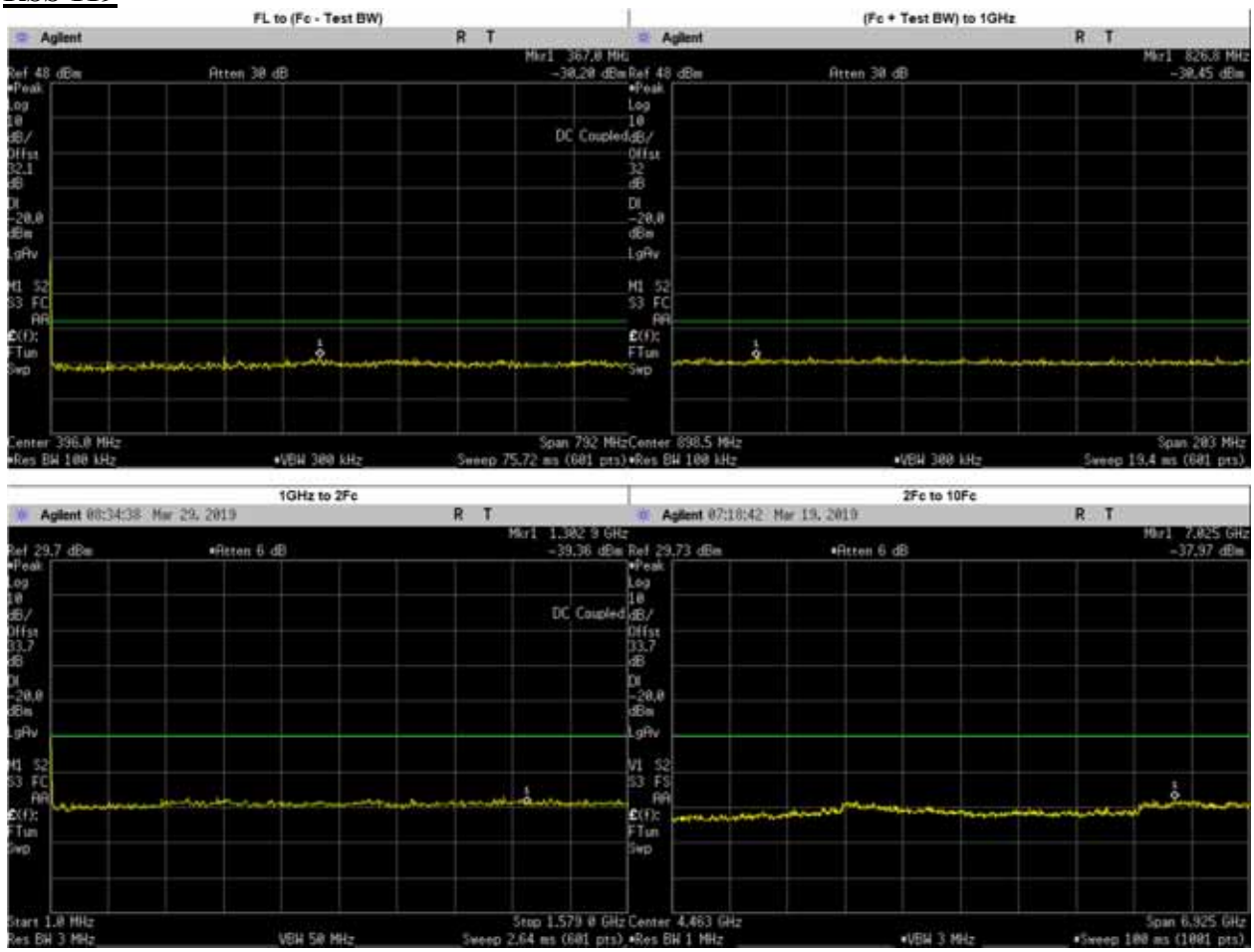
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	395.2000	-30.9700	-20	PASS
(Fc + Test BW) to 1GHz	931.1000	-30.5300	-20	PASS
1GHz to 2Fc	1266.3950	-42.9400	-20	PASS
2Fc to 10Fc	1549.7750	-45.3373	-20	PASS
	2324.6620	-44.5662	-20	PASS
	3099.5500	-41.0579	-20	PASS
	3874.4370	-42.8682	-20	PASS
	4649.3250	-44.5720	-20	PASS
	5424.2120	-43.5203	-20	PASS
	6199.1000	-43.5013	-20	PASS
	6973.9880	-41.1511	-20	PASS
	7748.8750	-41.0449	-20	PASS
	6648.6550	-39.3700	-20	PASS

<u>Phase 2:</u> 792.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



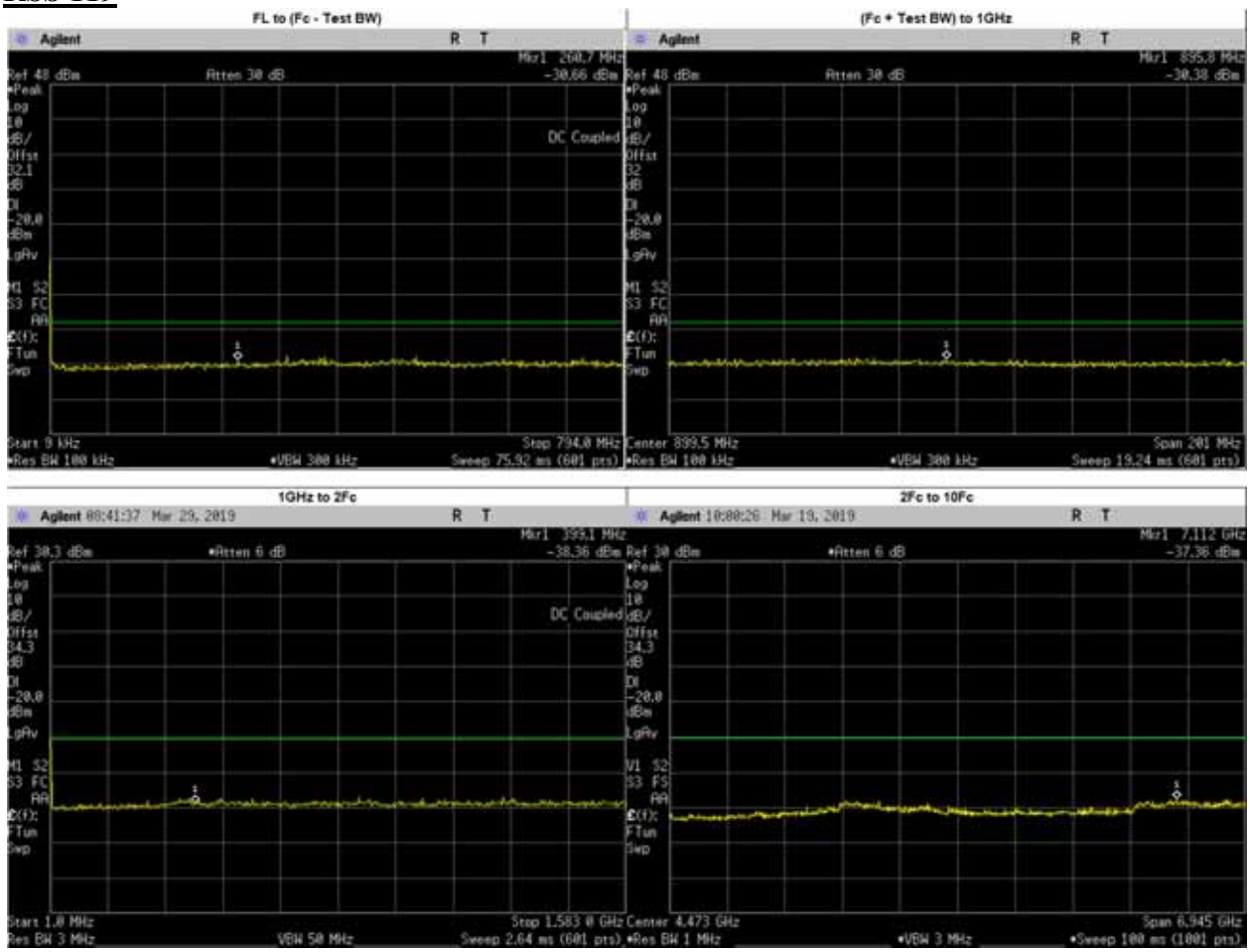
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	352.5000	-30.4700	-20	PASS
(Fc + Test BW) to 1GHz	966.2000	-30.2500	-20	PASS
1GHz to 2Fc	1231.9000	-40.1800	-20	PASS
2Fc to 10Fc	1584.0250	-45.2052	-20	PASS
	2376.0370	-43.7534	-20	PASS
	3168.0500	-41.7761	-20	PASS
	3960.0620	-42.7736	-20	PASS
	4752.0750	-42.2696	-20	PASS
	5544.0870	-44.2733	-20	PASS
	6336.1000	-43.7617	-20	PASS
	7128.1130	-40.3389	-20	PASS
	7920.1250	-40.9517	-20	PASS
	7184.1370	-39.8400	-20	PASS

<u>Phase 2:</u> 792.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



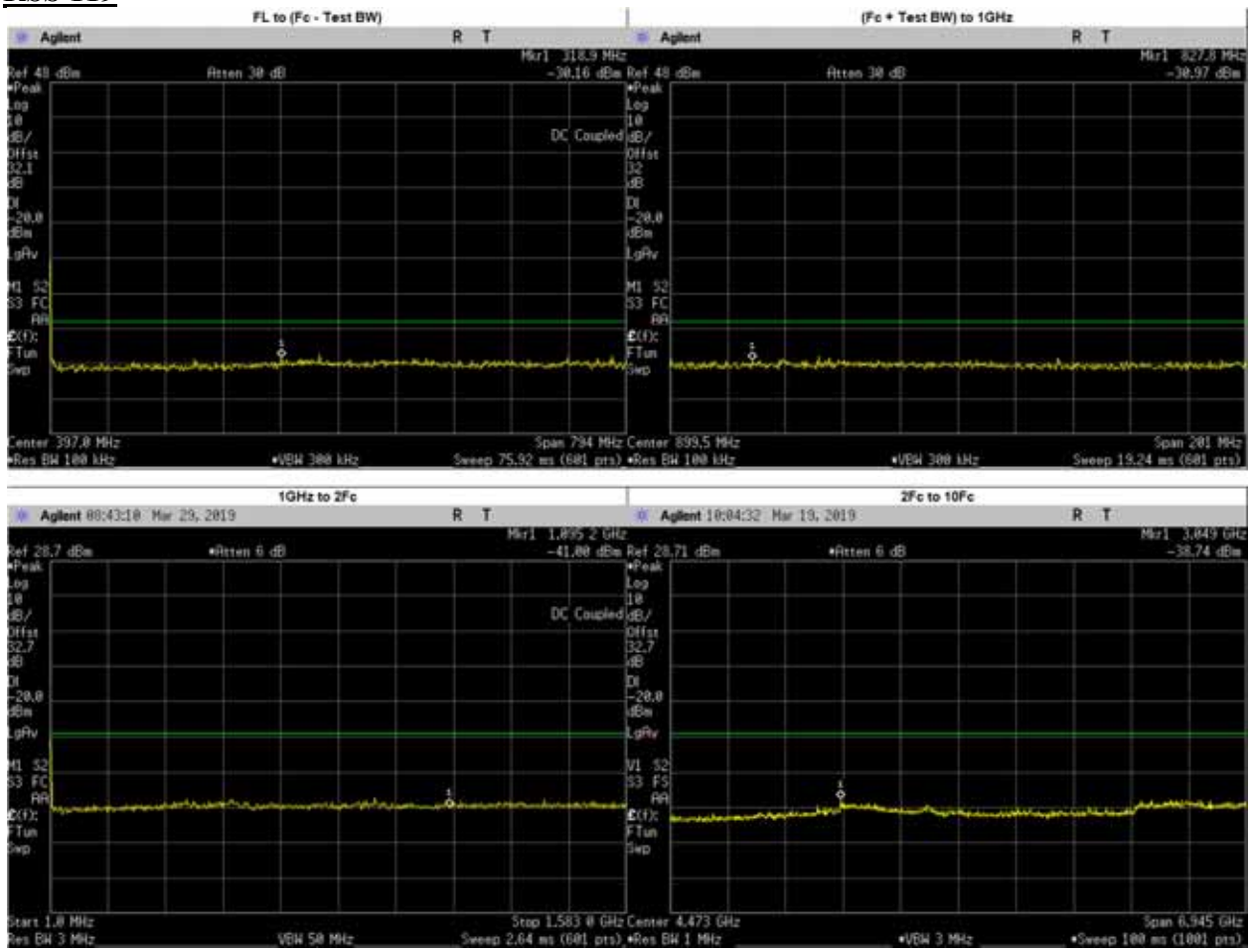
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	367.0000	-30.2000	-20	PASS
(Fc + Test BW) to 1GHz	826.8000	-30.4500	-20	PASS
1GHz to 2Fc	1329.0000	-39.3600	-20	PASS
2Fc to 10Fc	1584.0250	-42.5077	-20	PASS
	2376.0370	-42.2816	-20	PASS
	3960.0620	-41.2909	-20	PASS
	4752.0750	-42.7741	-20	PASS
	5544.0870	-42.4150	-20	PASS
	6336.1000	-41.8451	-20	PASS
	7094.1100	-39.4774	-20	PASS
	3168.0500	-45.9849	-20	PASS
	7128.1130	-40.6846	-20	PASS
	7920.1250	-38.9775	-20	PASS

<u>Phase 2:</u> 794.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>RSS 119</u>



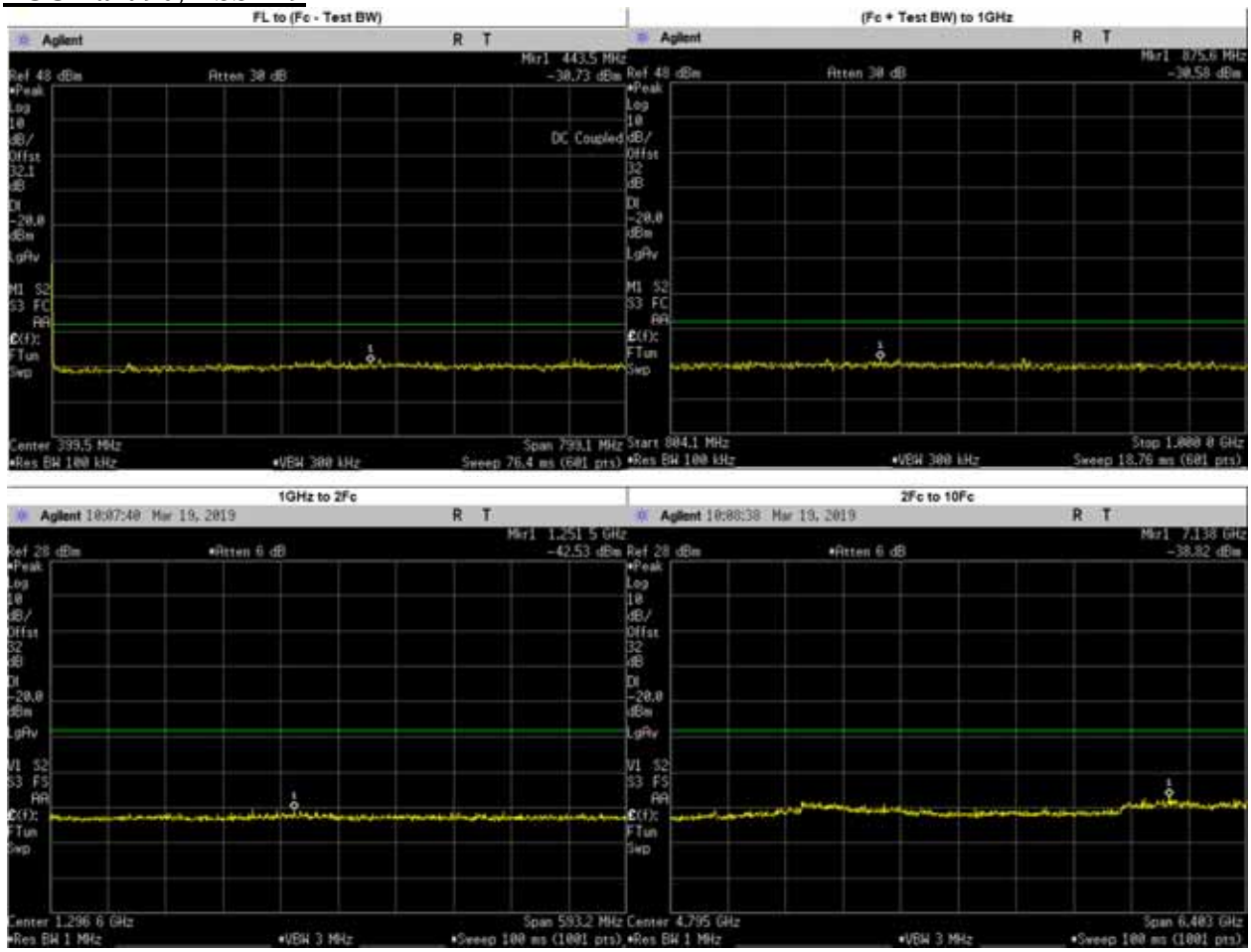
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	260.7000	-30.6600	-20	PASS
(Fc + Test BW) to 1GHz	895.8000	-30.3800	-20	PASS
1GHz to 2Fc	3991.0000	-38.3600	-20	PASS
2Fc to 10Fc	1588.0250	-43.0911	-20	PASS
	2382.0370	-41.8362	-20	PASS
	3970.0620	-40.4060	-20	PASS
	4764.0750	-41.8617	-20	PASS
	5558.0870	-41.7074	-20	PASS
	6352.1000	-41.5077	-20	PASS
	7111.7100	-37.3600	-20	PASS
	3176.0500	-48.7948	-20	PASS
	7146.1130	-43.1480	-20	PASS
	7940.1250	-42.4969	-20	PASS

<u>Phase 2:</u> 794.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>RSS 119</u>



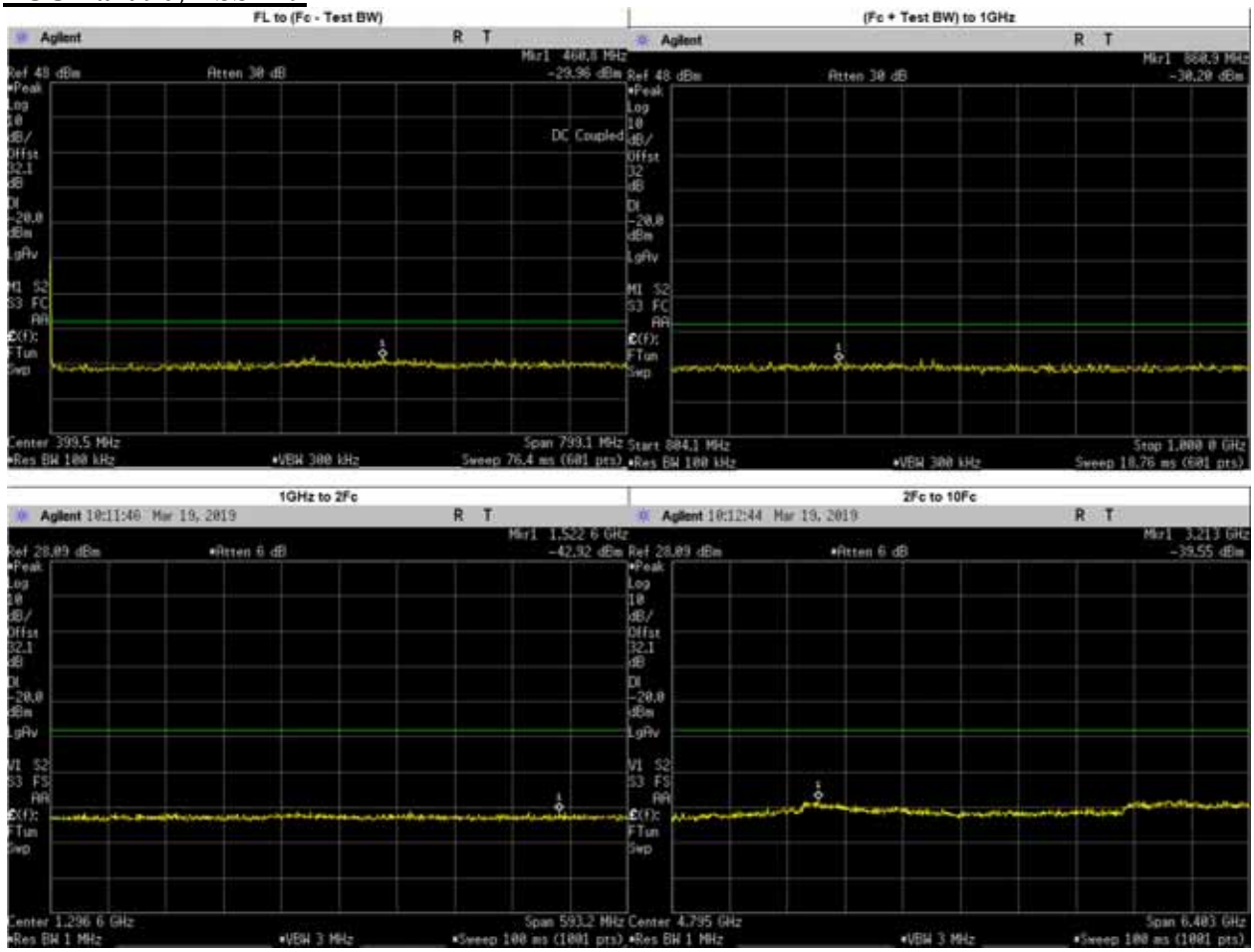
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	318.9000	-30.1600	-20	PASS
(Fc + Test BW) to 1GHz	827.8000	-30.9700	-20	PASS
1GHz to 2Fc	1095.2000	-41.0000	-20	PASS
2Fc to 10Fc	1588.0250	-44.3267	-20	PASS
	2382.0370	-43.8212	-20	PASS
	3176.0500	-40.6141	-20	PASS
	3970.0620	-42.7681	-20	PASS
	4764.0750	-43.6975	-20	PASS
	5558.0870	-43.8215	-20	PASS
	6352.1000	-42.6181	-20	PASS
	7146.1130	-41.2193	-20	PASS
	7940.1250	-40.3261	-20	PASS
	3048.8120	-38.7400	-20	PASS

<u>Phase 2:</u> 799.0875 MHz, 12.5kHz Channel Spacing, High Power
<u>FCC Part 90, RSS 119</u>



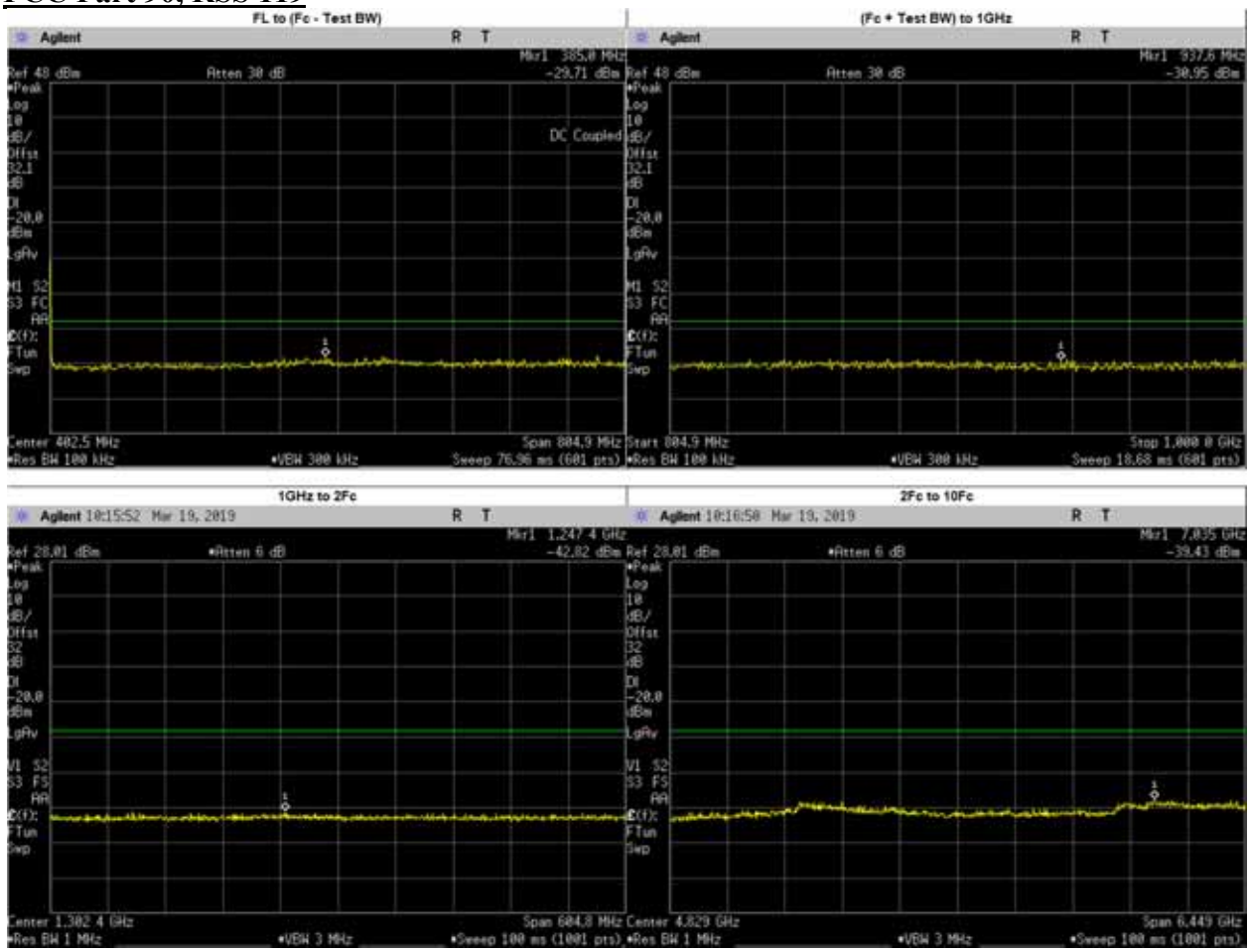
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	443.5000	-30.7300	-20	PASS
(Fc + Test BW) to 1GHz	875.6000	-30.5800	-20	PASS
1GHz to 2Fc	1251.5060	-42.5300	-20	PASS
2Fc to 10Fc	1598.1750	-44.8309	-20	PASS
	2397.2620	-44.6008	-20	PASS
	3196.3500	-41.5763	-20	PASS
	3995.4370	-42.9050	-20	PASS
	4794.5250	-42.8160	-20	PASS
	5593.6130	-43.6513	-20	PASS
	6392.7000	-43.8254	-20	PASS
	7191.7880	-40.6245	-20	PASS
	7990.8750	-41.1377	-20	PASS
	7137.9130	-38.8200	-20	PASS

<u>Phase 2:</u> 799.0875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



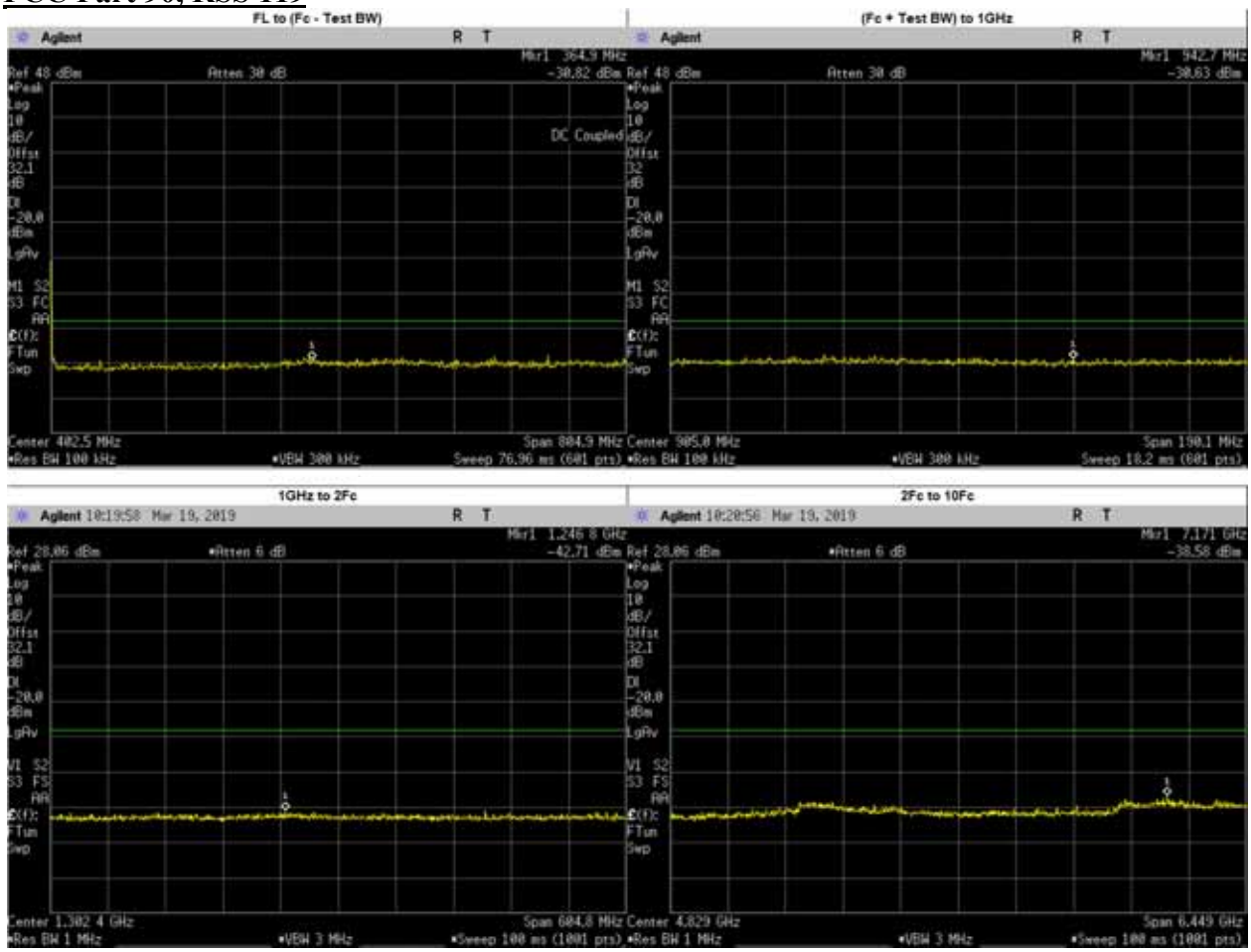
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	460.8000	-29.9600	-20	PASS
(Fc + Test BW) to 1GHz	860.9000	-30.2000	-20	PASS
1GHz to 2Fc	1522.5870	-42.9200	-20	PASS
2Fc to 10Fc	1598.1750	-44.8669	-20	PASS
	2397.2620	-43.9433	-20	PASS
	3196.3500	-41.4414	-20	PASS
	3995.4370	-42.5789	-20	PASS
	4794.5250	-43.6540	-20	PASS
	5593.6130	-43.8651	-20	PASS
	6392.7000	-43.4505	-20	PASS
	7191.7880	-41.0305	-20	PASS
	7990.8750	-41.7019	-20	PASS
	3213.0580	-39.5500	-20	PASS

<u>Phase 2:</u> 804.9125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



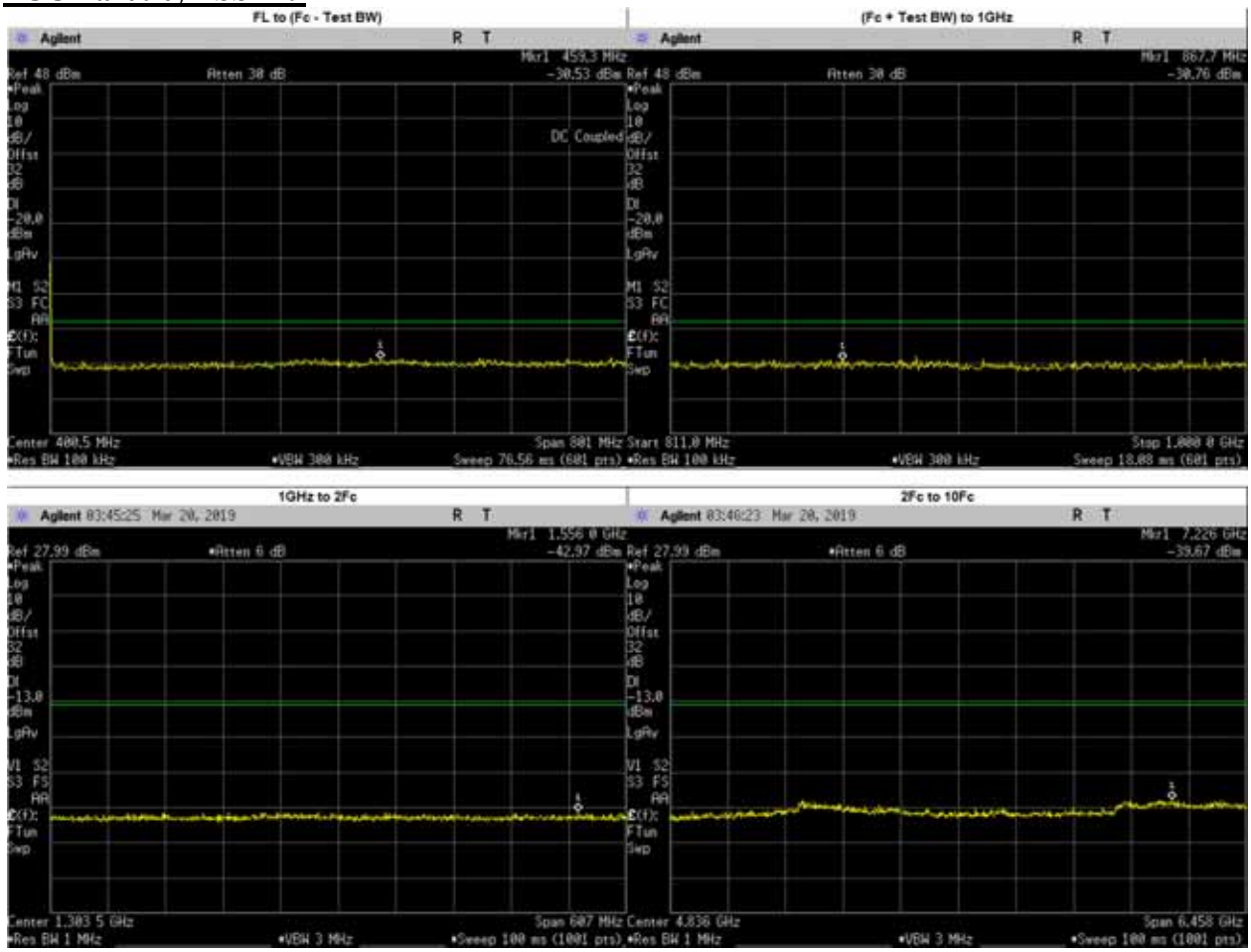
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	385.0000	-29.7100	-20	PASS
(Fc + Test BW) to 1GHz	937.6000	-30.9500	-20	PASS
1GHz to 2Fc	1247.3730	-42.8200	-20	PASS
2Fc to 10Fc	1609.8250	-45.4600	-20	PASS
	2414.7380	-43.2773	-20	PASS
	3219.6500	-41.6147	-20	PASS
	4024.5620	-42.8021	-20	PASS
	4829.4750	-43.3800	-20	PASS
	5634.3870	-44.5366	-20	PASS
	6439.3000	-43.3161	-20	PASS
	7244.2120	-41.2349	-20	PASS
	8049.1250	-41.6892	-20	PASS
	7035.1360	-39.4300	-20	PASS

<u>Phase 2:</u> 804.9125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



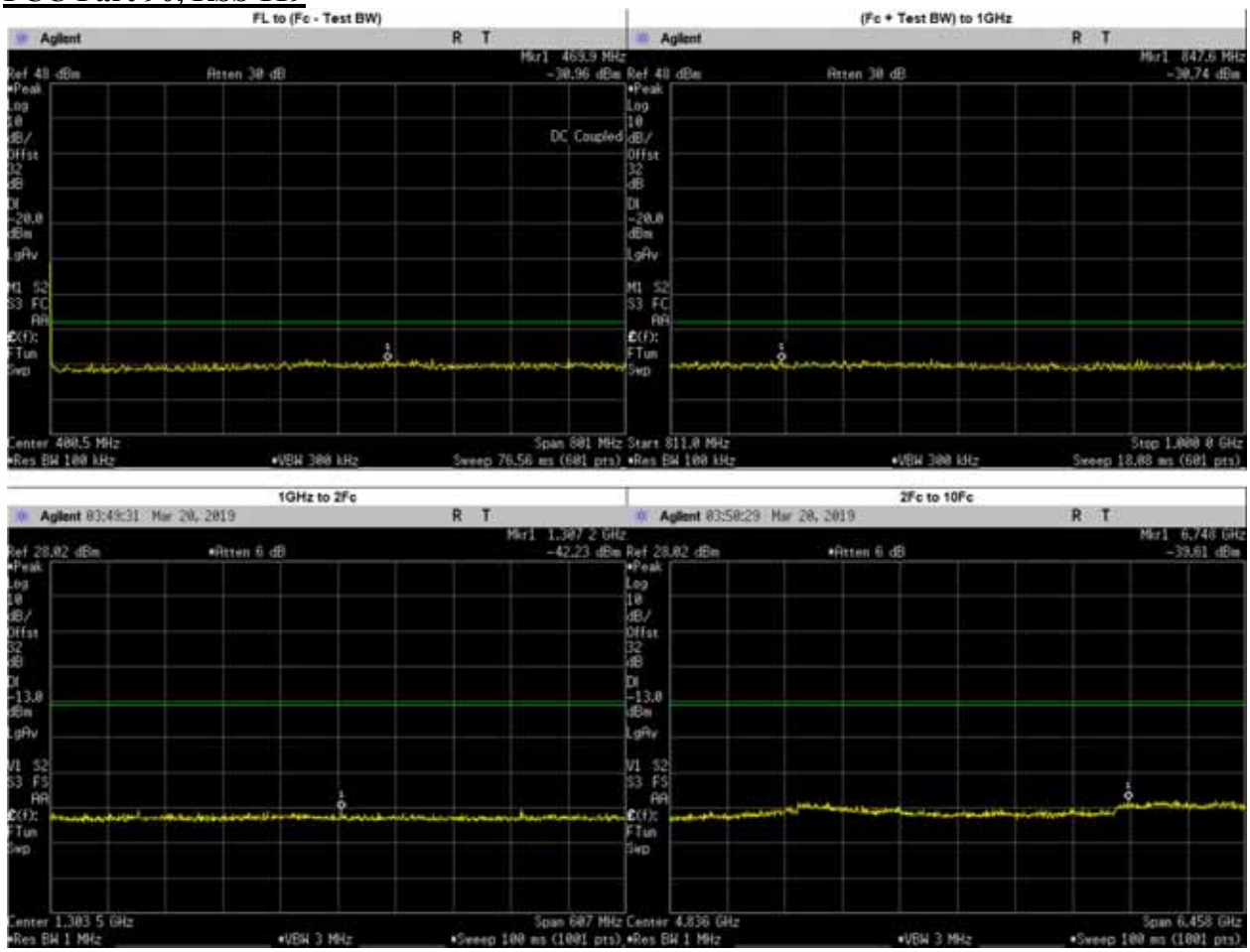
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	364.9000	-30.8200	-20	PASS
(Fc + Test BW) to 1GHz	942.7000	-30.6300	-20	PASS
1GHz to 2Fc	1246.7690	-42.7100	-20	PASS
2Fc to 10Fc	1609.8250	-44.9042	-20	PASS
	2414.7380	-44.3011	-20	PASS
	3219.6500	-40.7587	-20	PASS
	4024.5620	-42.3519	-20	PASS
	4829.4750	-43.4740	-20	PASS
	5634.3870	-43.5524	-20	PASS
	6439.3000	-43.5633	-20	PASS
	7244.2120	-41.5493	-20	PASS
	8049.1250	-41.7576	-20	PASS
	7170.5710	-38.5800	-20	PASS

<u>Phase 2:</u> 806.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



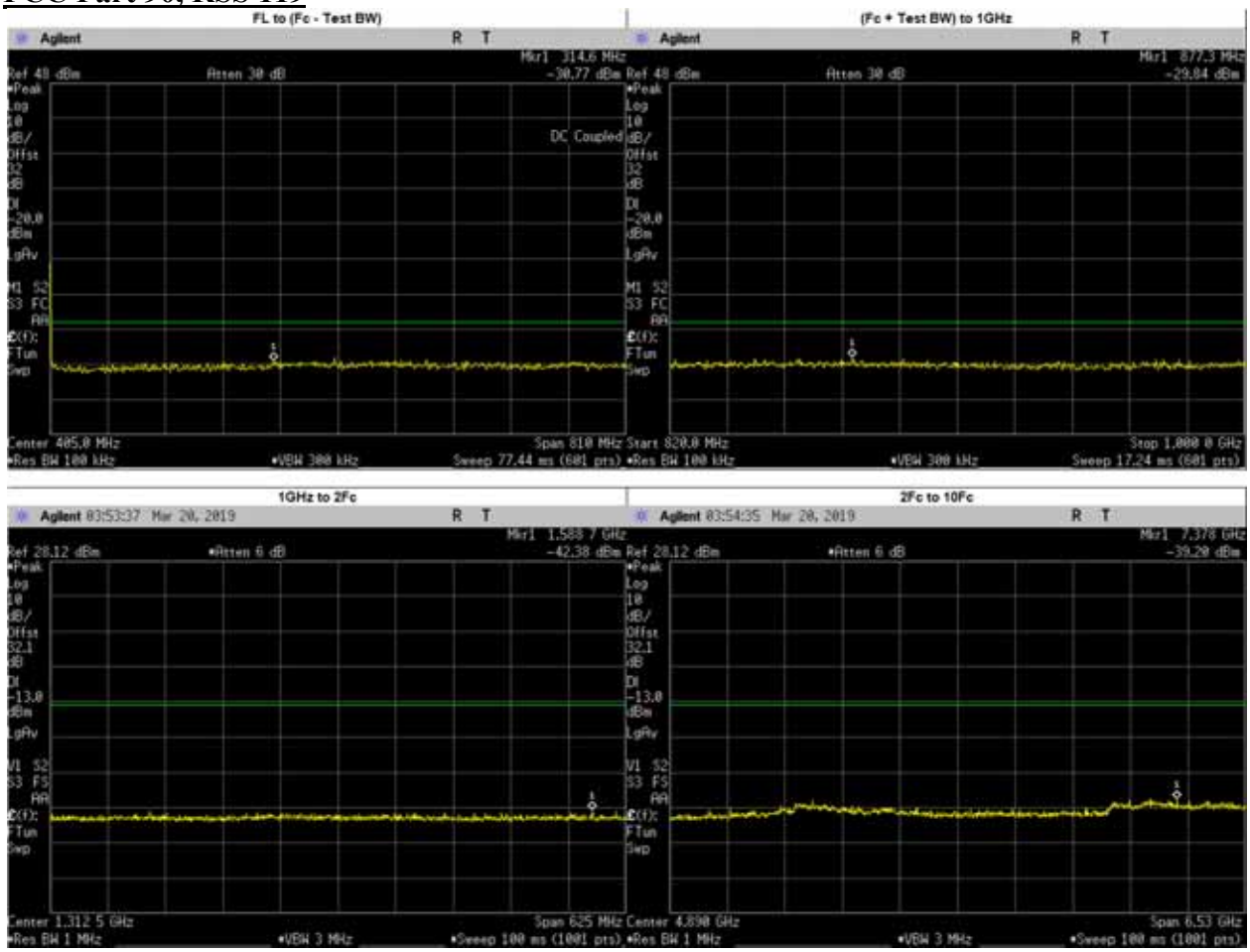
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	459.3000	-30.5300	-20	PASS
(Fc + Test BW) to 1GHz	867.7000	-30.7600	-20	PASS
1GHz to 2Fc	1556.0350	-42.9700	-20	PASS
2Fc to 10Fc	7225.5720	-39.6700	-20	PASS
	1612.0250	-44.3160	-20	PASS
	2418.0370	-43.5881	-20	PASS
	3224.0500	-41.6034	-20	PASS
	4030.0620	-43.1088	-20	PASS
	4836.0750	-44.8500	-20	PASS
	5642.0870	-43.9852	-20	PASS
	6448.1000	-43.0621	-20	PASS
	7254.1130	-40.4942	-20	PASS
	8060.1250	-42.1734	-20	PASS

<u>Phase 2:</u> 806.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



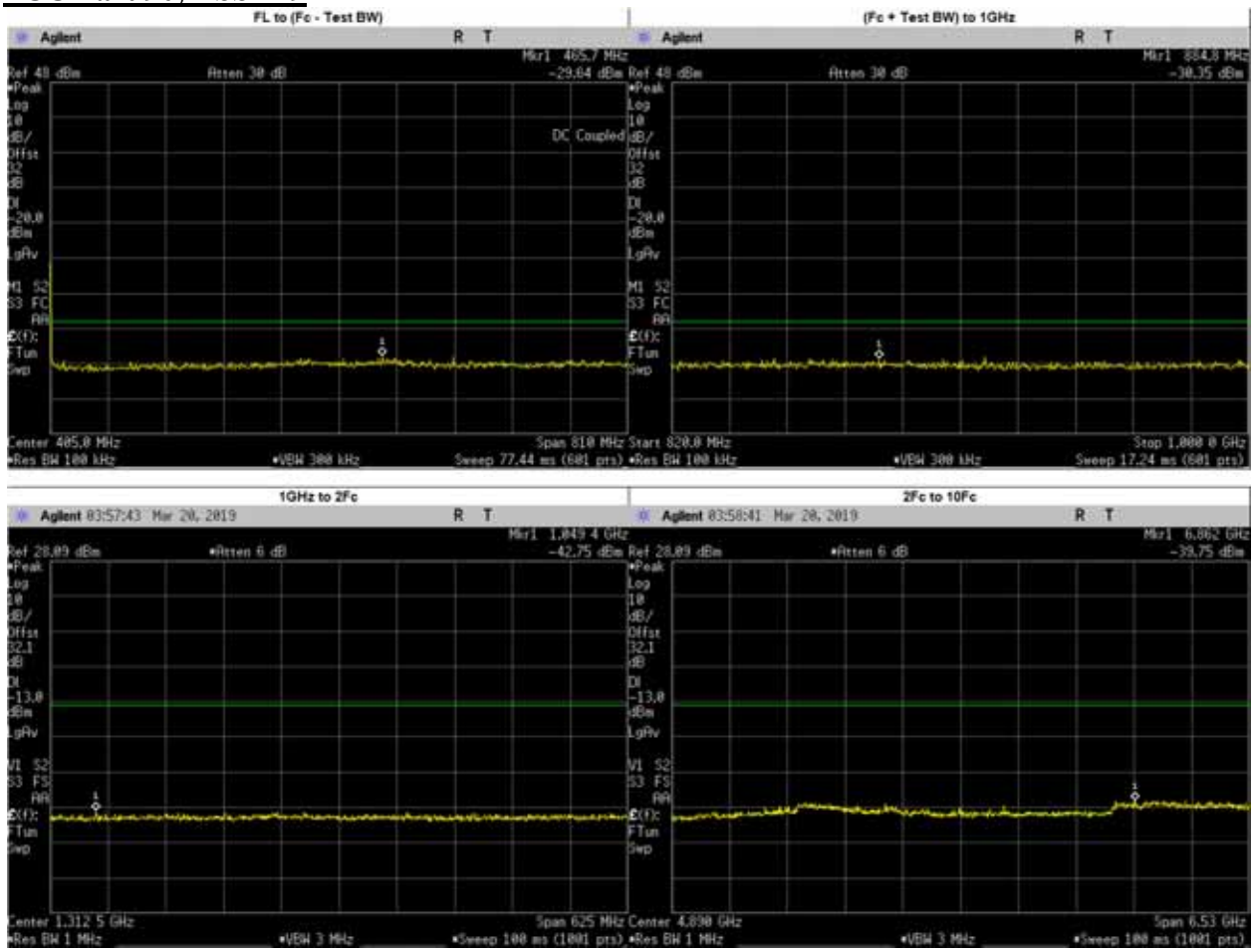
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	469.9000	-30.9600	-20	PASS
(Fc + Test BW) to 1GHz	847.6000	-30.7400	-20	PASS
1GHz to 2Fc	1307.1550	-42.2300	-20	PASS
2Fc to 10Fc	6747.6730	-39.6100	-20	PASS
	1612.0250	-45.2984	-20	PASS
	2418.0370	-43.8713	-20	PASS
	3224.0500	-41.7646	-20	PASS
	4030.0620	-42.7438	-20	PASS
	4836.0750	-43.7420	-20	PASS
	5642.0870	-44.5607	-20	PASS
	6448.1000	-43.0646	-20	PASS
	7254.1130	-41.1597	-20	PASS
	8060.1250	-41.8636	-20	PASS

<u>Phase 2:</u> 814.9875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



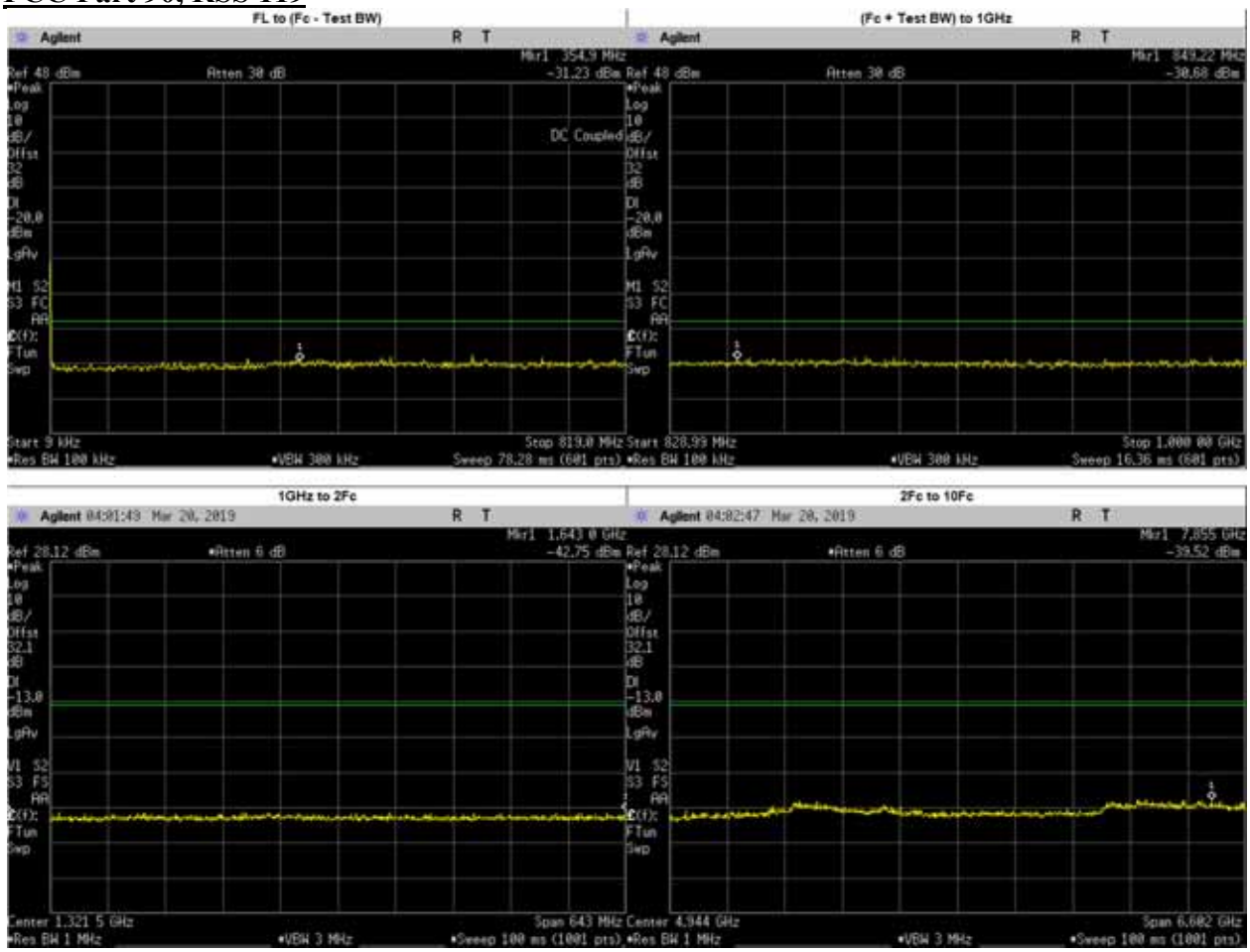
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	314.6000	-30.7700	-20	PASS
(Fc + Test BW) to 1GHz	877.3000	-29.8400	-20	PASS
1GHz to 2Fc	1588.7260	-42.3800	-20	PASS
2Fc to 10Fc	7377.8170	-39.2000	-20	PASS
	3250.9200	-39.8500	-20	PASS
	1629.9750	-45.1531	-20	PASS
	2444.9630	-43.7293	-20	PASS
	3259.9500	-41.9269	-20	PASS
	4074.9370	-42.4862	-20	PASS
	4889.9250	-43.7710	-20	PASS
	5704.9130	-43.0499	-20	PASS
	6519.9000	-43.6505	-20	PASS
	7334.8870	-40.9583	-20	PASS

<u>Phase 2:</u> 814.9875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



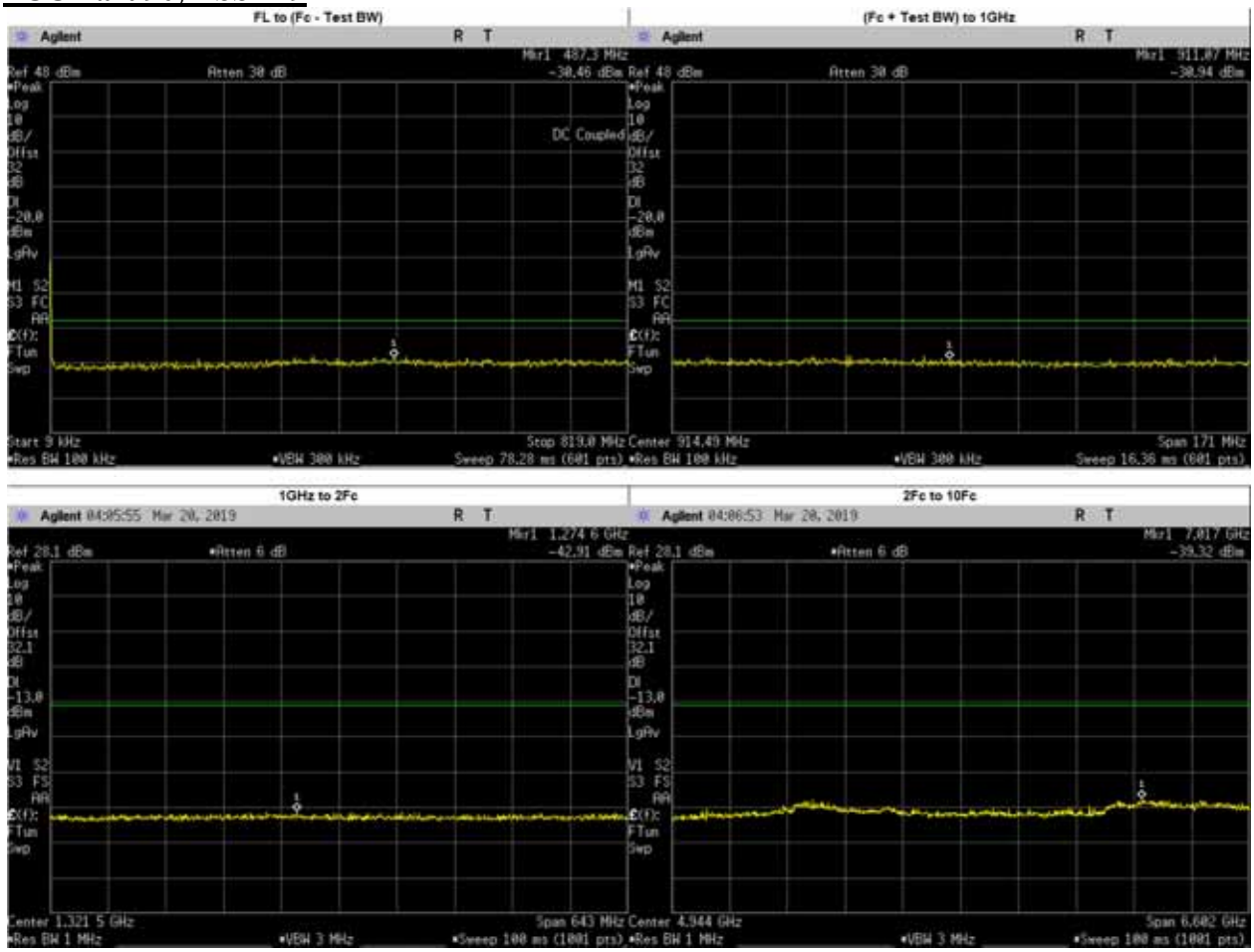
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	465.7000	-29.6400	-20	PASS
(Fc + Test BW) to 1GHz	884.8000	-30.3500	-20	PASS
1GHz to 2Fc	1049.3730	-42.7500	-20	PASS
2Fc to 10Fc	6861.9550	-39.7500	-20	PASS
	1629.9750	-44.3215	-20	PASS
	2444.9630	-44.1760	-20	PASS
	3259.9500	-41.9906	-20	PASS
	4074.9370	-42.7183	-20	PASS
	4889.9250	-43.9150	-20	PASS
	5704.9130	-43.7473	-20	PASS
	6519.9000	-43.9888	-20	PASS
	7334.8870	-41.0995	-20	PASS
	8149.8750	-41.9050	-20	PASS

<u>Phase 2:</u> 823.9875 MHz, 12.5kHz Channel Spacing, High Power
<u>FCC Part 90, RSS 119</u>



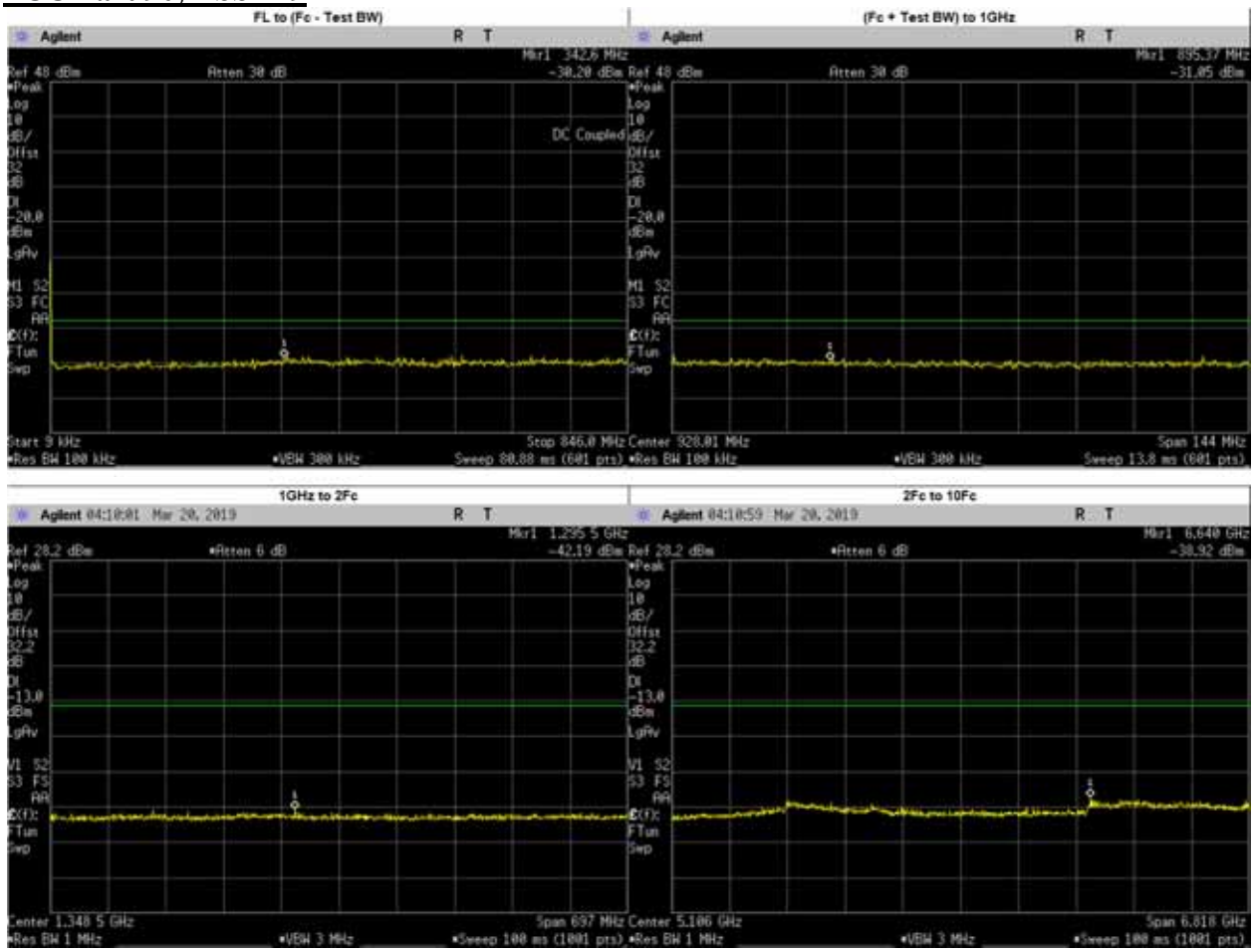
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	354.9000	-31.2300	-20	PASS
(Fc + Test BW) to 1GHz	849.2200	-30.6800	-20	PASS
1GHz to 2Fc	1642.9750	-42.7500	-20	PASS
2Fc to 10Fc	7855.3630	-39.5200	-20	PASS
	1647.9750	-45.2743	-20	PASS
	2471.9630	-44.5621	-20	PASS
	3295.9500	-41.3140	-20	PASS
	4119.9370	-41.4242	-20	PASS
	4943.9250	-44.3660	-20	PASS
	5767.9130	-44.3184	-20	PASS
	6591.9000	-42.9784	-20	PASS
	7415.8870	-41.5359	-20	PASS
	8239.8750	-41.9814	-20	PASS

<u>Phase 2:</u> 823.9875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



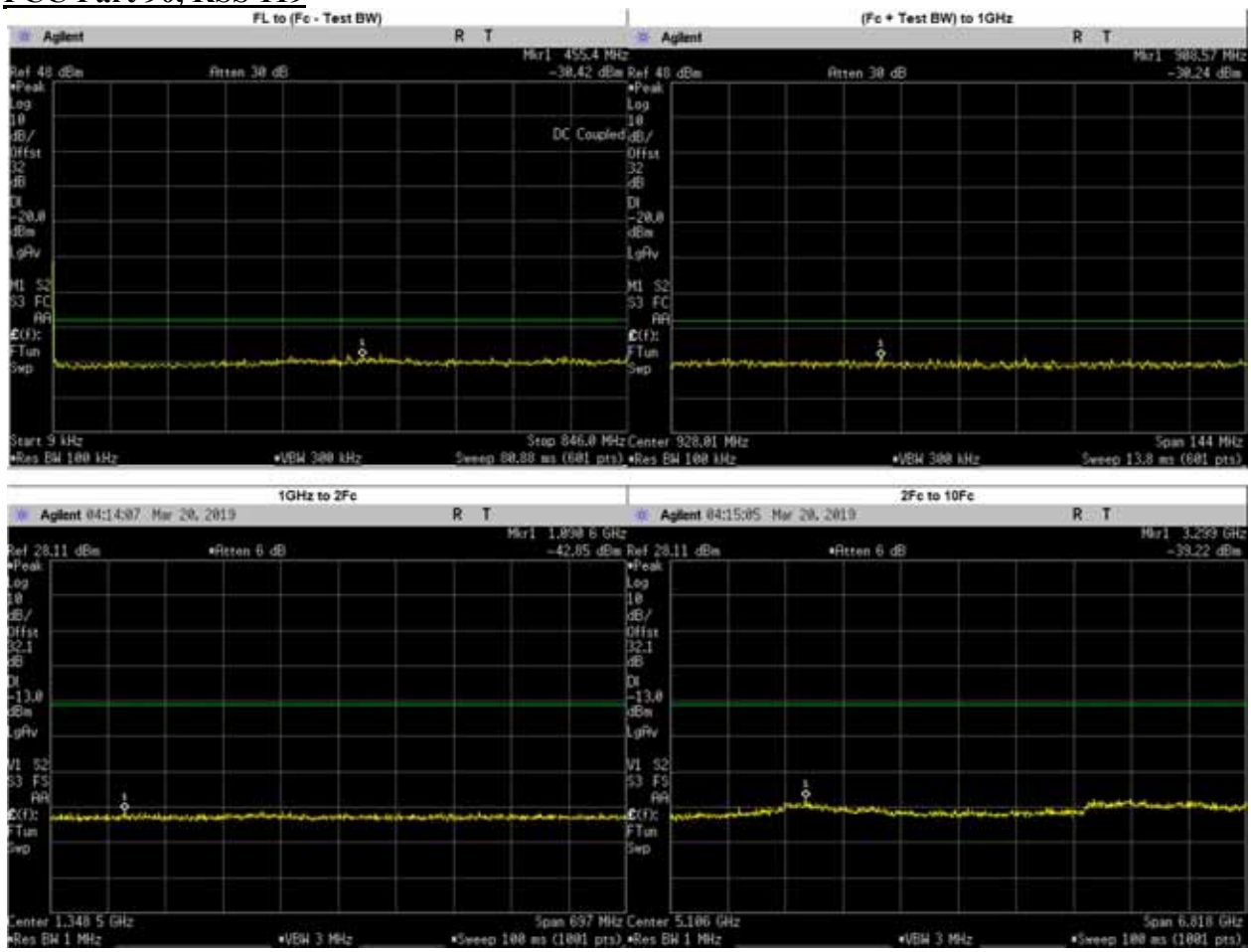
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	487.3000	-30.4600	-20	PASS
(Fc + Test BW) to 1GHz	911.0700	-30.9400	-20	PASS
1GHz to 2Fc	1274.5500	-42.9100	-20	PASS
2Fc to 10Fc	7016.9220	-39.3200	-20	PASS
	1647.9750	-44.9471	-20	PASS
	2471.9630	-43.6988	-20	PASS
	3295.9500	-41.0806	-20	PASS
	4119.9370	-42.2389	-20	PASS
	4943.9250	-43.7420	-20	PASS
	5767.9130	-43.8568	-20	PASS
	6591.9000	-43.4435	-20	PASS
	7415.8870	-41.0830	-20	PASS
	8239.8750	-42.3320	-20	PASS

<u>Phase 2:</u> 851.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



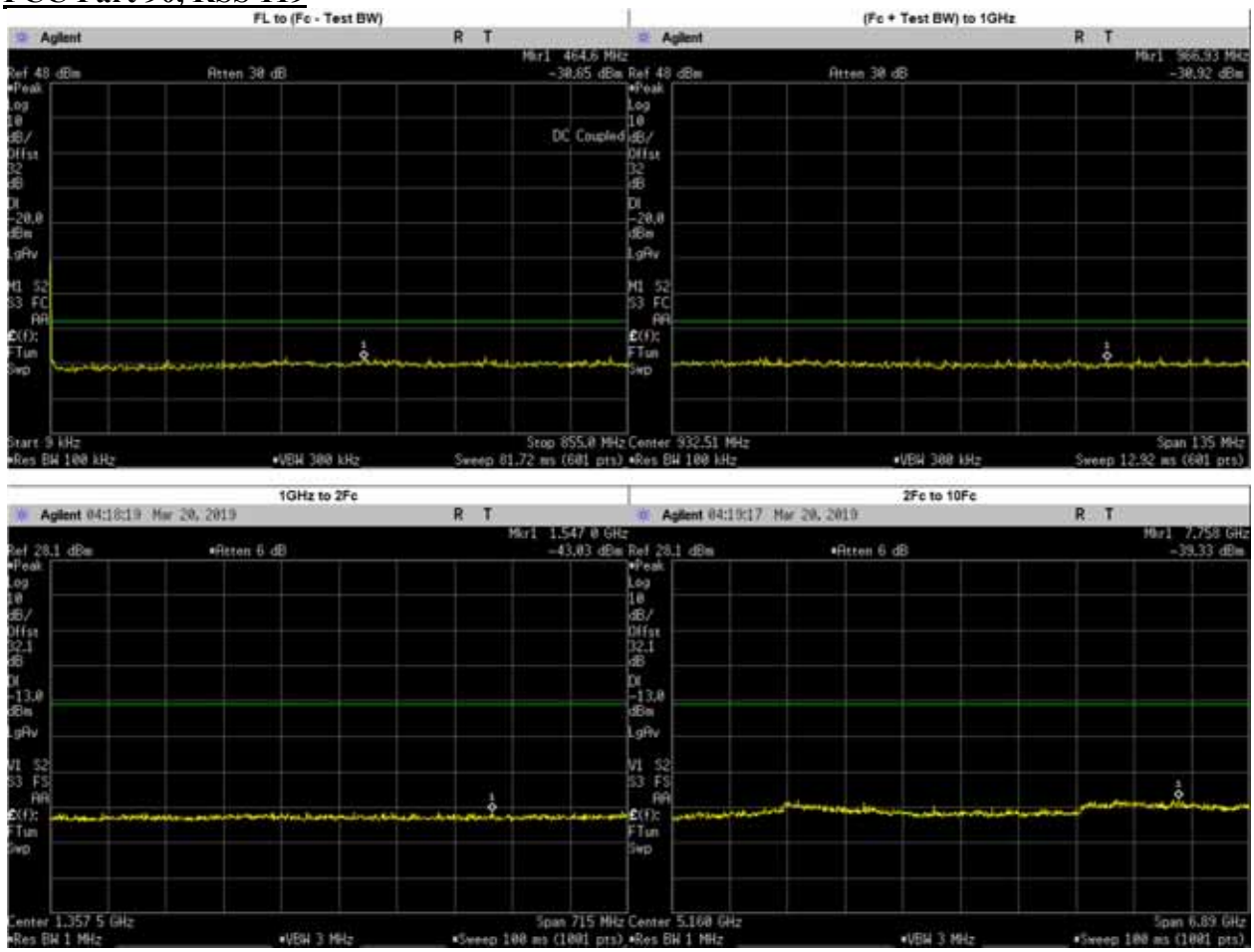
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	342.6000	-30.2000	-20	PASS
(Fc + Test BW) to 1GHz	895.3700	-31.0500	-20	PASS
1GHz to 2Fc	1295.5390	-42.1900	-20	PASS
2Fc to 10Fc	6640.1480	-38.9200	-20	PASS
	1702.0250	-44.7185	-20	PASS
	2553.0370	-43.6309	-20	PASS
	3404.0500	-42.0190	-20	PASS
	4255.0620	-42.9459	-20	PASS
	5106.0750	-44.1770	-20	PASS
	5957.0870	-43.6509	-20	PASS
	6808.1000	-41.3983	-20	PASS
	7659.1130	-41.6944	-20	PASS
	8510.1250	-41.9552	-20	PASS

<u>Phase 2:</u> 851.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



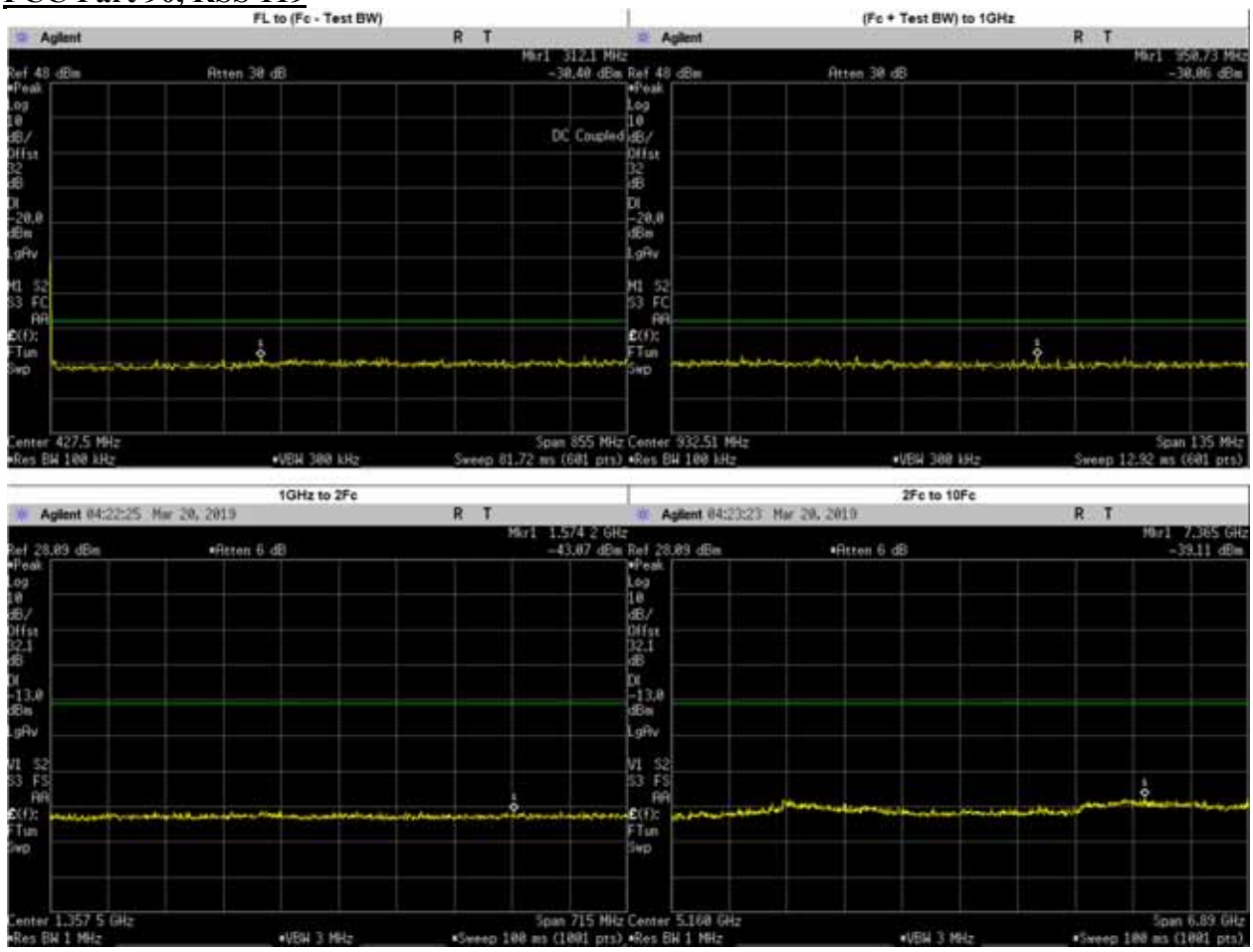
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	455.4000	-30.4200	-20	PASS
(Fc + Test BW) to 1GHz	908.5700	-30.2400	-20	PASS
1GHz to 2Fc	1090.6130	-42.8500	-20	PASS
2Fc to 10Fc	3299.2780	-39.2200	-20	PASS
	1702.0250	-44.8260	-20	PASS
	2553.0370	-43.8422	-20	PASS
	3404.0500	-41.7447	-20	PASS
	4255.0620	-43.0955	-20	PASS
	5106.0750	-44.0680	-20	PASS
	5957.0870	-43.6787	-20	PASS
	6808.1000	-40.5854	-20	PASS
	7659.1130	-41.5728	-20	PASS
	8510.1250	-40.5757	-20	PASS

<u>Phase 2:</u> 860.0125 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



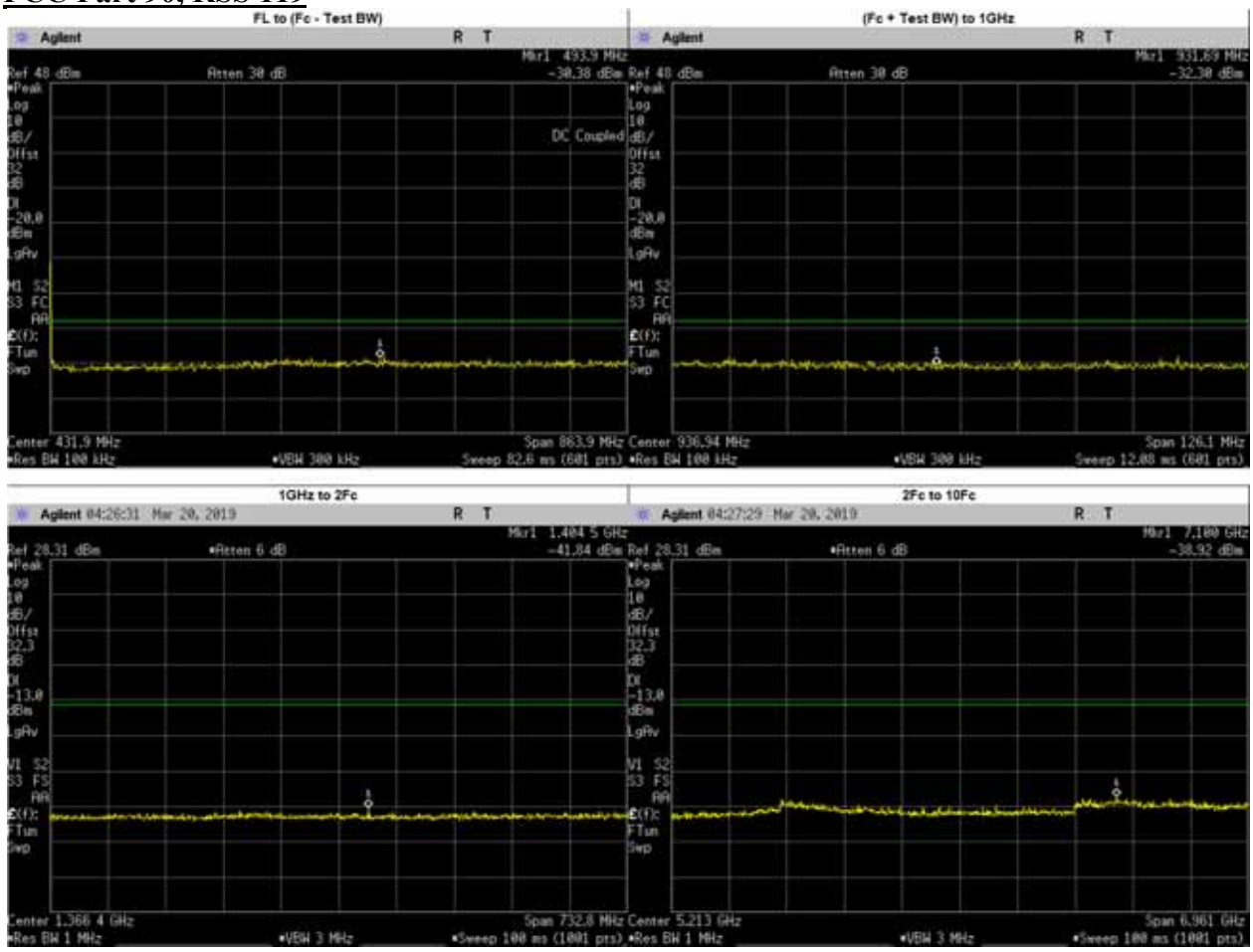
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	464.6000	-30.6500	-20	PASS
(Fc + Test BW) to 1GHz	966.9300	-30.9200	-20	PASS
1GHz to 2Fc	1546.9940	-43.0300	-20	PASS
2Fc to 10Fc	7757.6430	-39.3300	-20	PASS
	1720.0250	-44.7759	-20	PASS
	2580.0370	-43.0609	-20	PASS
	3440.0500	-41.8667	-20	PASS
	4300.0620	-43.5622	-20	PASS
	5160.0750	-43.2420	-20	PASS
	6020.0870	-43.8214	-20	PASS
	6880.1000	-41.7877	-20	PASS
	7740.1130	-41.8460	-20	PASS
	8600.1250	-42.0670	-20	PASS

<u>Phase 2:</u> 860.0125 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



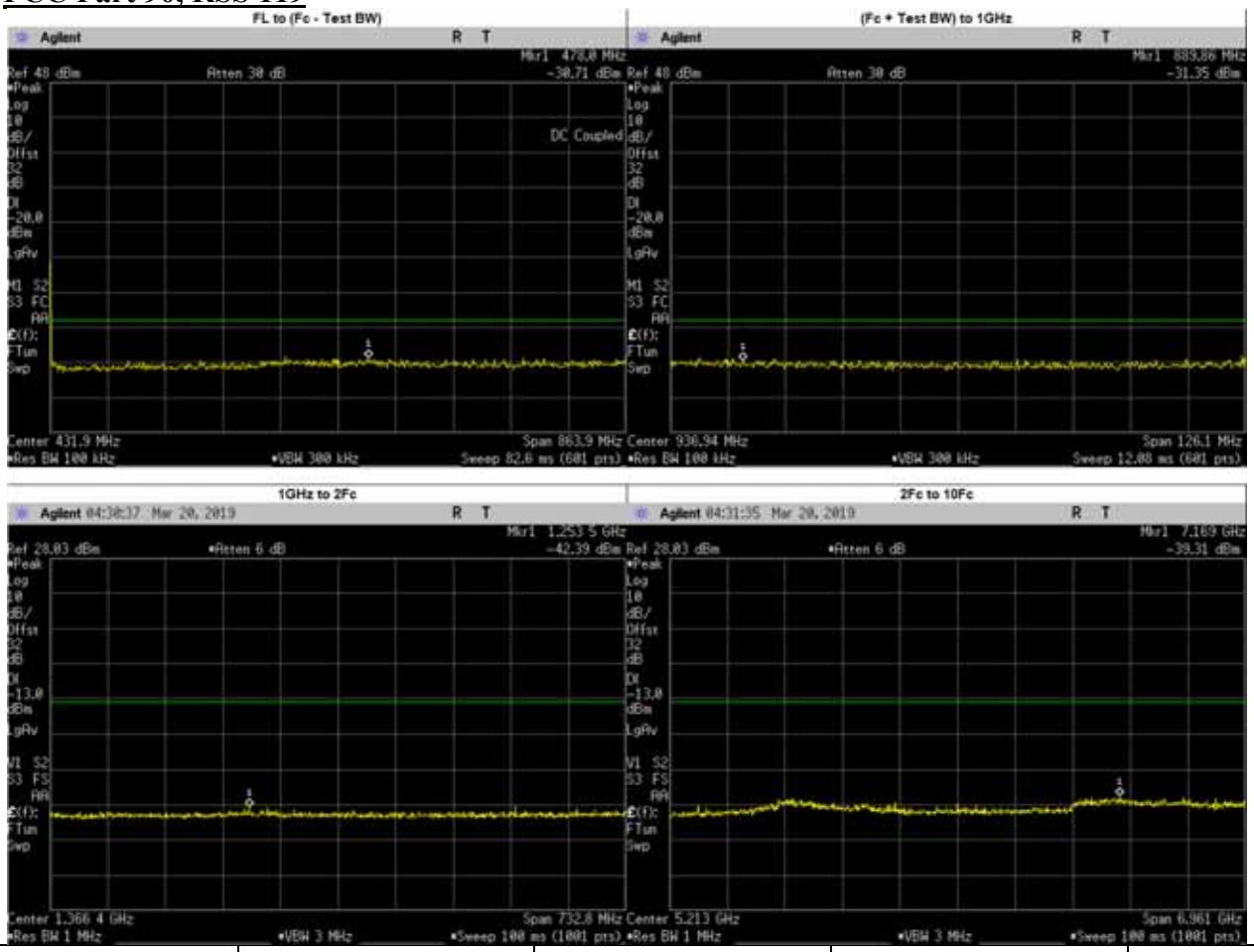
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	312.1000	-30.4000	-20	PASS
(Fc + Test BW) to 1GHz	950.7300	-30.0600	-20	PASS
1GHz to 2Fc	1574.1650	-43.0700	-20	PASS
2Fc to 10Fc	7364.9070	-39.1100	-20	PASS
	1720.0250	-44.9038	-20	PASS
	2580.0370	-43.8063	-20	PASS
	3440.0500	-42.0269	-20	PASS
	4300.0620	-44.0818	-20	PASS
	5160.0750	-44.0880	-20	PASS
	6020.0870	-43.6444	-20	PASS
	6880.1000	-41.3941	-20	PASS
	7740.1130	-41.7385	-20	PASS
	8600.1250	-40.3058	-20	PASS

<u>Phase 2:</u> 868.8875 MHz, 12.5kHz Channel Spacing, Max Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	493.9000	-30.3800	-20	PASS
(Fc + Test BW) to 1GHz	931.6900	-30.3000	-20	PASS
1GHz to 2Fc	1404.4920	-41.8400	-20	PASS
2Fc to 10Fc	7099.7830	-38.9200	-20	PASS
	1737.7750	-44.5109	-20	PASS
	2606.6620	-43.5968	-20	PASS
	3475.5500	-42.1199	-20	PASS
	4344.4370	-43.6813	-20	PASS
	5213.3250	-42.5750	-20	PASS
	6082.2120	-43.1555	-20	PASS
	6951.1000	-41.2224	-20	PASS
	7819.9880	-41.5227	-20	PASS
	8688.8750	-40.7431	-20	PASS

<u>Phase 2:</u> 868.8875 MHz, 12.5kHz Channel Spacing, Low Power
<u>FCC Part 90, RSS 119</u>



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	478.0000	-30.7100	-20	PASS
(Fc + Test BW) to 1GHz	889.8600	-31.3500	-20	PASS
1GHz to 2Fc	1253.5400	-42.3900	-20	PASS
2Fc to 10Fc	7169.3940	-39.3100	-20	PASS
	7113.7050	-40.0800	-20	PASS
	1737.7750	-45.3559	-20	PASS
	2606.6620	-43.9375	-20	PASS
	3475.5500	-42.0224	-20	PASS
	4344.4370	-43.6338	-20	PASS
	5213.3250	-41.6940	-20	PASS
	6082.2120	-44.1091	-20	PASS
	6951.1000	-41.6372	-20	PASS
	7819.9880	-41.6023	-20	PASS

6.10.5. Test Limit

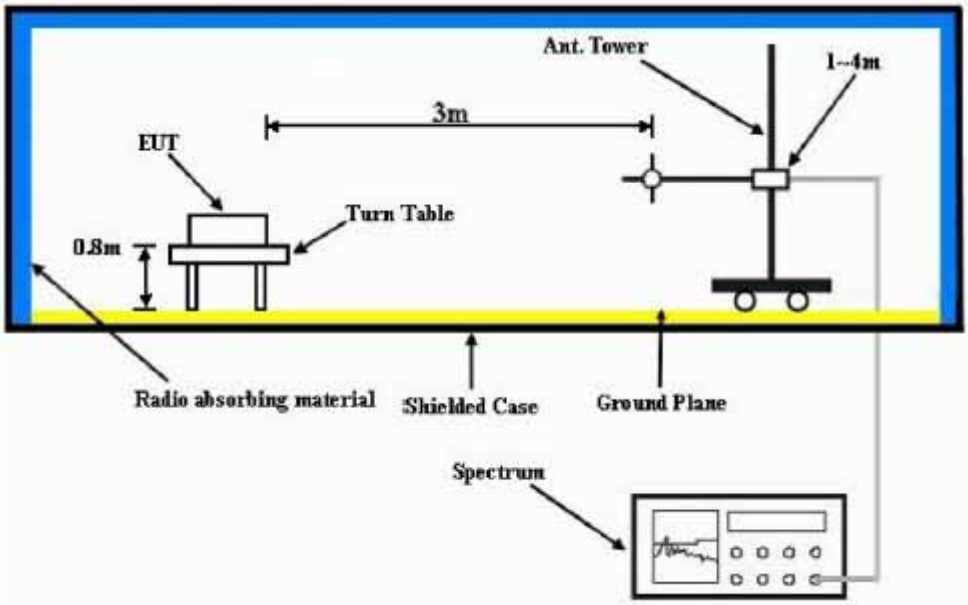
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz		Not Applicable		43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz	Not Applicable	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(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 frequencies < 1GHz) or 1.5m (for frequencies > 1GHz) 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.

6.11.1. Test Result (Analog)

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**

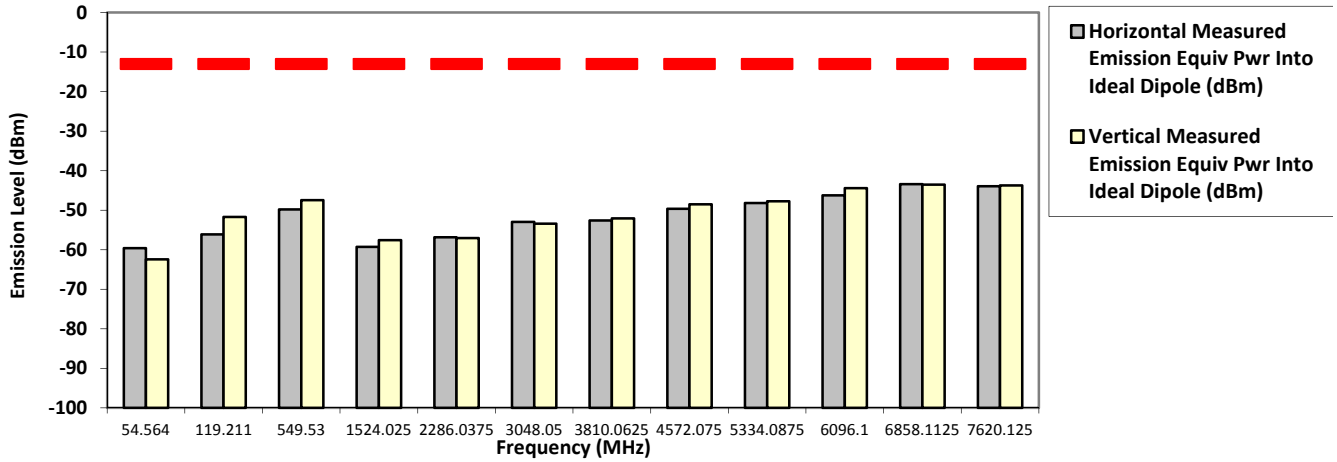
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

762.012500 MHz **12.5 kHz** **3.000 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)
54.5640	-13.0000	-59.6000 *	-62.4300 *
119.2110	-13.0000	-56.1200 *	-51.7200 *
549.5300	-13.0000	-49.8000 *	-47.4400 *
1524.0250	-13.0000	-59.2584 **	-57.5668 **
2286.0375	-13.0000	-56.8651 **	-57.0634 **
3048.0500	-13.0000	-52.9533 **	-53.4082 **
3810.0625	-13.0000	-52.5897 **	-52.0841 **
4572.0750	-13.0000	-49.6581 **	-48.5061 **
5334.0875	-13.0000	-48.1990 **	-47.7217 **
6096.1000	-13.0000	-46.2449 **	-44.4324 **
6858.1125	-13.0000	-43.3948 **	-43.5318 **
7620.1250	-13.0000	-43.9338 **	-43.7445 **

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: Azil, Faris & Aiman **Tue, Apr 23, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

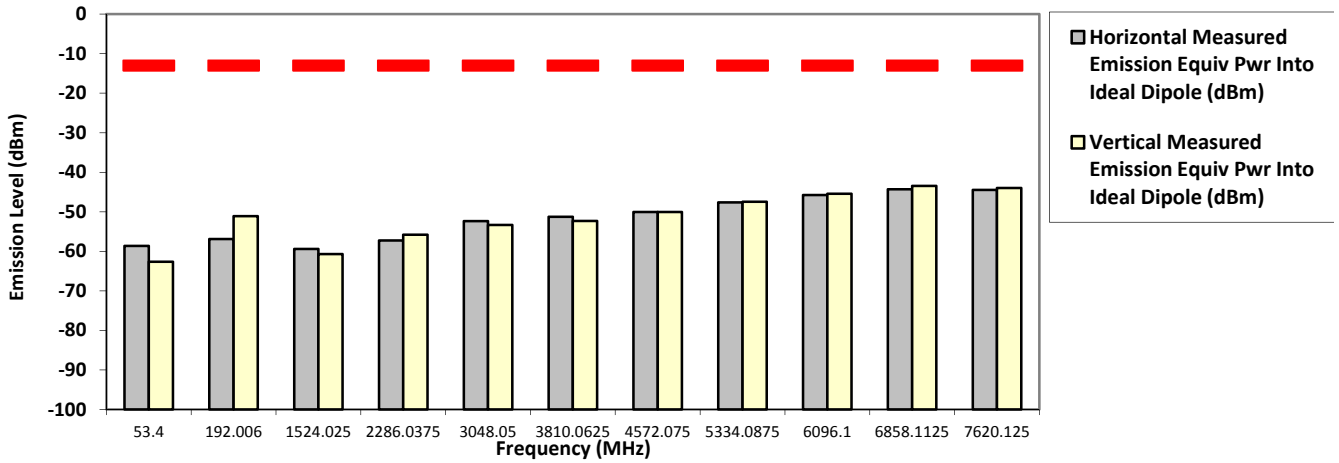
Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

762.012500 MHz **12.5 kHz** **36.000 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)
53.4000	-13.0000	-58.6200 *	-62.6500 *
192.0060	-13.0000	-56.8700 *	-51.1000 *
1524.0250	-13.0000	-59.3877 **	-60.6961 **
2286.0375	-13.0000	-57.2359 **	-55.7867 **
3048.0500	-13.0000	-52.3511 **	-53.3263 **
3810.0625	-13.0000	-51.2615 **	-52.3019 **
4572.0750	-13.0000	-50.0534 **	-50.0415 **
5334.0875	-13.0000	-47.6050 **	-47.4684 **
6096.1000	-13.0000	-45.7776 **	-45.4445 **
6858.1125	-13.0000	-44.3179 **	-43.4460 **
7620.1250	-13.0000	-44.4630 **	-43.9882 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

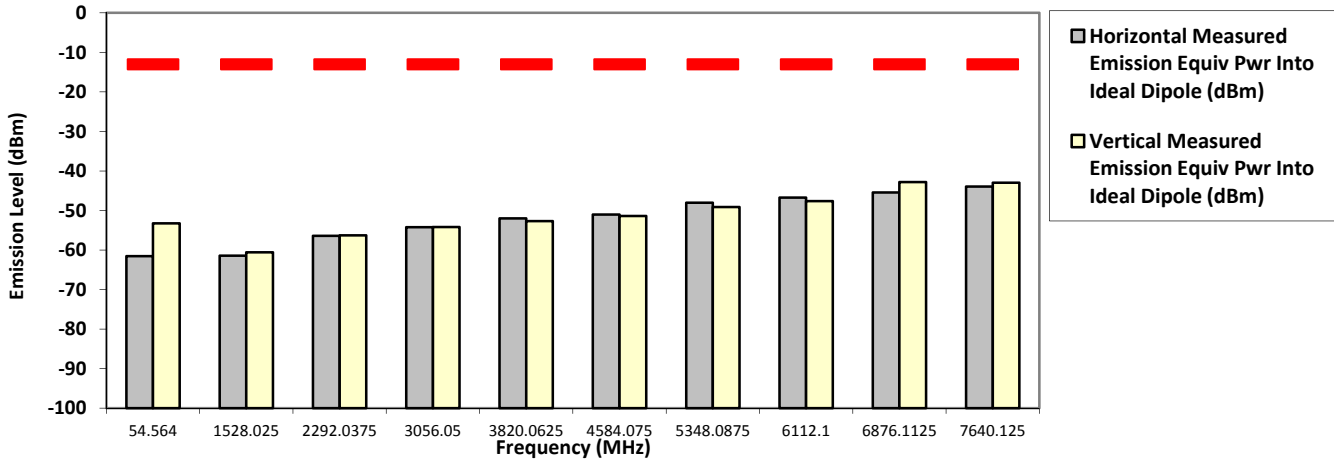
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
764.012500 MHz **12.5 kHz** **3.000 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)
54.5640	-13.0000	-61.5500 *	-53.2400 *
1528.0250	-13.0000	-61.4173 **	-60.5722 **
2292.0375	-13.0000	-56.3977 **	-56.2916 **
3056.0500	-13.0000	-54.2040 **	-54.1737 **
3820.0625	-13.0000	-52.0016 **	-52.6951 **
4584.0750	-13.0000	-51.0217 **	-51.3778 **
5348.0875	-13.0000	-48.0224 **	-49.1070 **
6112.1000	-13.0000	-46.7466 **	-47.5991 **
6876.1125	-13.0000	-45.4518 **	-42.7987 **
7640.1250	-13.0000	-43.9405 **	-42.9680 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

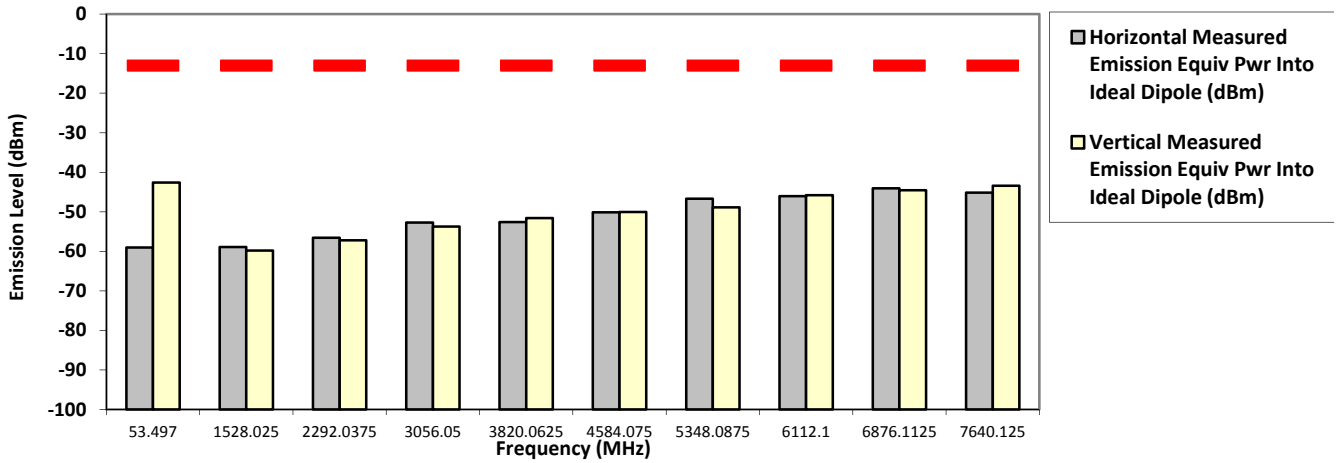
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

764.012500 MHz **12.5 kHz** **36.000 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)
53.4970	-13.0000	-59.0200 *	-42.6000 *
1528.0250	-13.0000	-58.9187 **	-59.7979 **
2292.0375	-13.0000	-56.5543 **	-57.1939 **
3056.0500	-13.0000	-52.7280 **	-53.7373 **
3820.0625	-13.0000	-52.5767 **	-51.5893 **
4584.0750	-13.0000	-50.1145 **	-50.0383 **
5348.0875	-13.0000	-46.7054 **	-48.8558 **
6112.1000	-13.0000	-46.0367 **	-45.8066 **
6876.1125	-13.0000	-44.0781 **	-44.5269 **
7640.1250	-13.0000	-45.1491 **	-43.4012 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

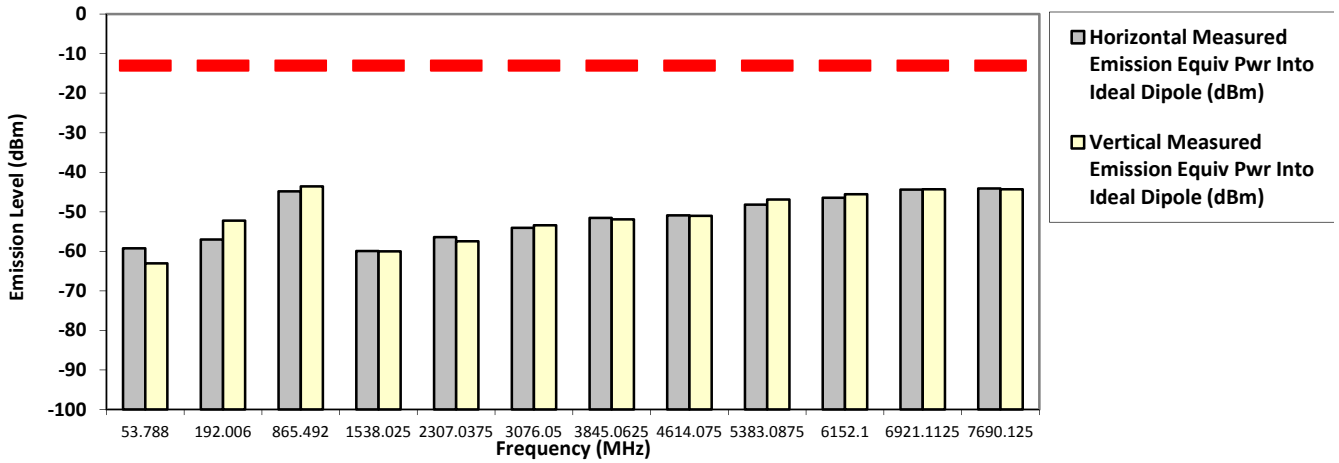
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

769.012500 MHz **12.5 kHz** **2.000 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)
53.7880	-13.0000	-59.2400 *	-63.0400 *
192.0060	-13.0000	-56.9900 *	-52.2400 *
865.4920	-13.0000	-44.8100 *	-43.5700 *
1538.0250	-13.0000	-59.9153 **	-60.0103 **
2307.0375	-13.0000	-56.4017 **	-57.4659 **
3076.0500	-13.0000	-54.0588 **	-53.4054 **
3845.0625	-13.0000	-51.5434 **	-51.9128 **
4614.0750	-13.0000	-50.8963 **	-51.0114 **
5383.0875	-13.0000	-48.1920 **	-46.8951 **
6152.1000	-13.0000	-46.4632 **	-45.5462 **
6921.1125	-13.0000	-44.3990 **	-44.3047 **
7690.1250	-13.0000	-44.0883 **	-44.3084 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

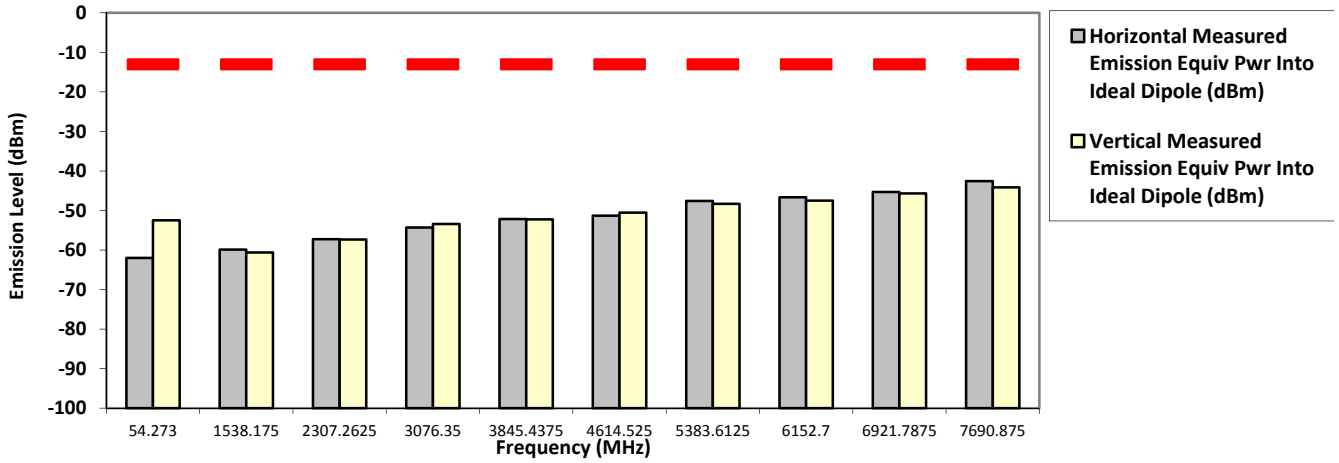
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
769.087500 MHz **12.5 kHz** **3.000 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)
54.2730	-13.0000	-61.9700 *	-52.4600 *
1538.1750	-13.0000	-59.8703 **	-60.5883 **
2307.2625	-13.0000	-57.2315 **	-57.3213 **
3076.3500	-13.0000	-54.3011 **	-53.3857 **
3845.4375	-13.0000	-52.1597 **	-52.2173 **
4614.5250	-13.0000	-51.2863 **	-50.5299 **
5383.6125	-13.0000	-47.5864 **	-48.3079 **
6152.7000	-13.0000	-46.6323 **	-47.4852 **
6921.7875	-13.0000	-45.3321 **	-45.6925 **
7690.8750	-13.0000	-42.5775 **	-44.1397 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

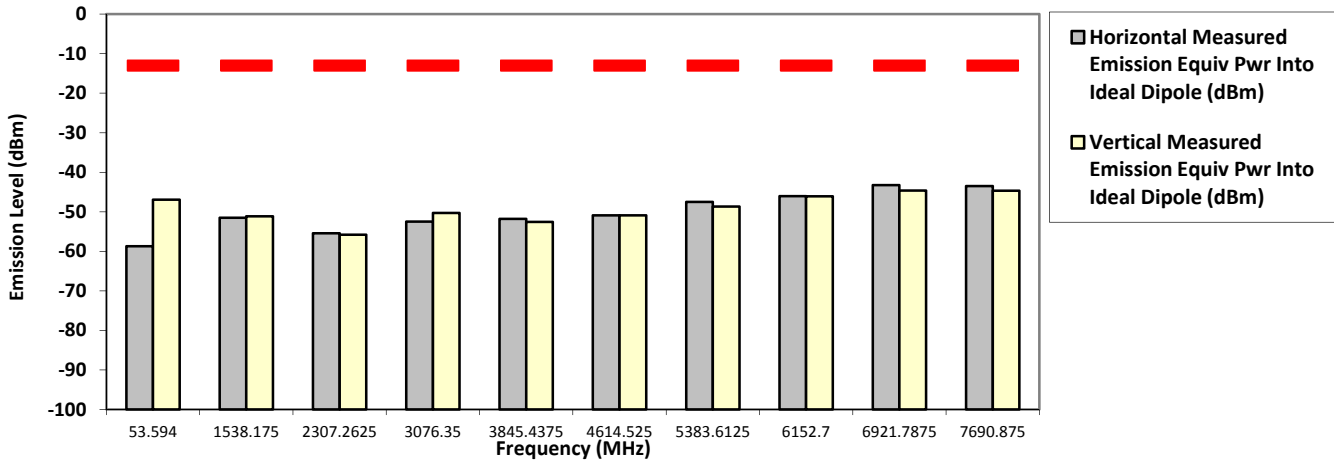
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

769.087500 MHz **12.5 kHz** **36.000 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)
53.5940	-13.0000	-58.7200 *	-46.9300 *
1538.1750	-13.0000	-51.5200 *	-51.1500 *
2307.2625	-13.0000	-55.4283 **	-55.7847 **
3076.3500	-13.0000	-52.4659 **	-50.2959 **
3845.4375	-13.0000	-51.7893 **	-52.5719 **
4614.5250	-13.0000	-50.9120 **	-50.9084 **
5383.6125	-13.0000	-47.5000 **	-48.6881 **
6152.7000	-13.0000	-46.0527 **	-46.0921 **
6921.7875	-13.0000	-43.2572 **	-44.6049 **
7690.8750	-13.0000	-43.5103 **	-44.6560 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

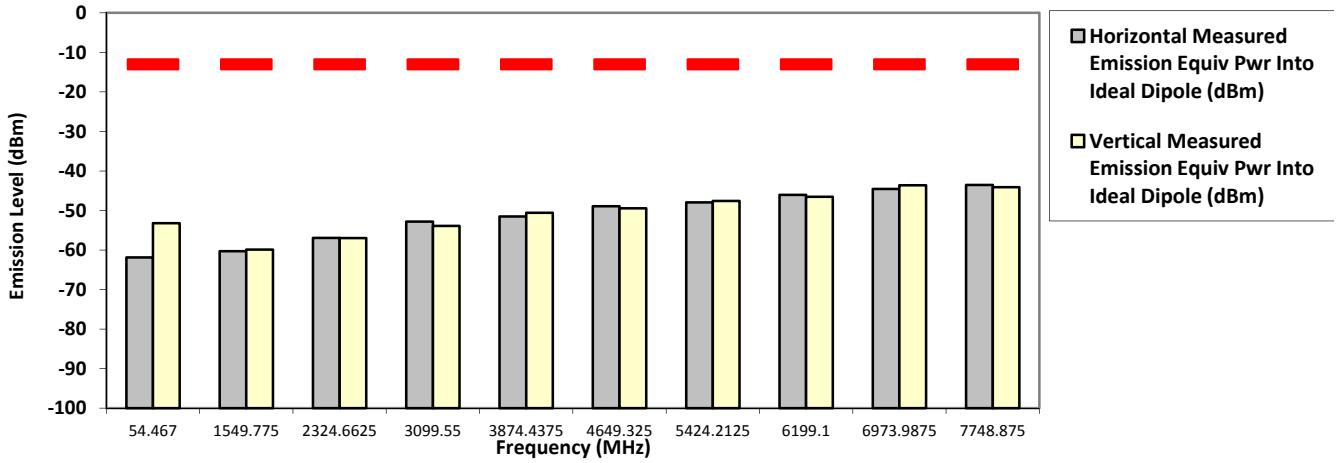
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
774.887500 MHz **12.5 kHz** **3.000 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)
54.4670	-13.0000	-61.8600 *	-53.2100 *
1549.7750	-13.0000	-60.2817 **	-59.8845 **
2324.6625	-13.0000	-56.9351 **	-56.9480 **
3099.5500	-13.0000	-52.8027 **	-53.9005 **
3874.4375	-13.0000	-51.4908 **	-50.5645 **
4649.3250	-13.0000	-48.9015 **	-49.4567 **
5424.2125	-13.0000	-47.9486 **	-47.5632 **
6199.1000	-13.0000	-46.0600 **	-46.5255 **
6973.9875	-13.0000	-44.5528 **	-43.6153 **
7748.8750	-13.0000	-43.5405 **	-44.0944 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

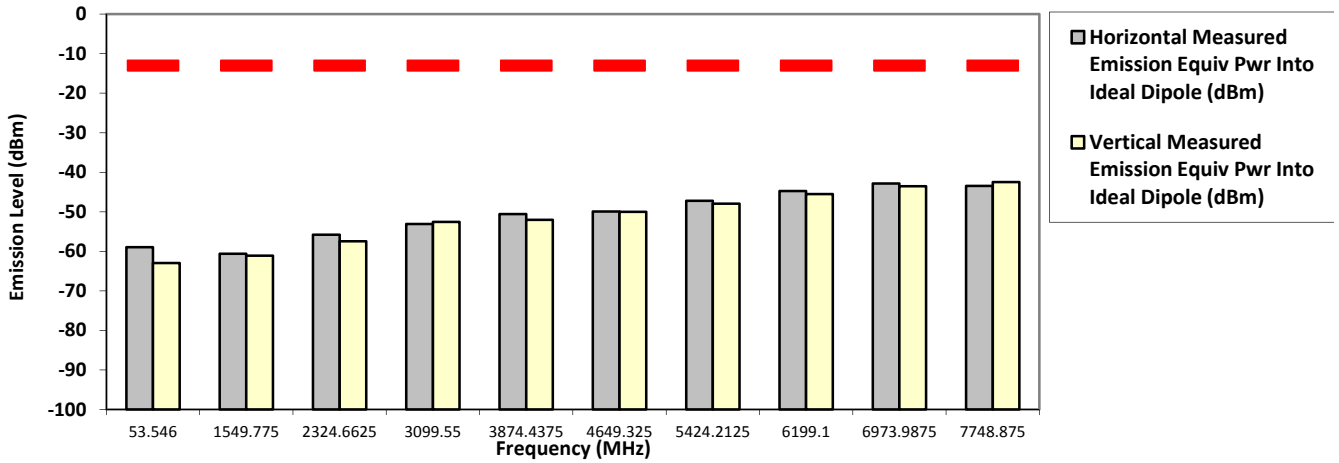
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

774.887500 MHz **12.5 kHz** **36.000 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)
53.5460	-13.0000	-58.9500 *	-62.9700 *
1549.7750	-13.0000	-60.6186 **	-61.0784 **
2324.6625	-13.0000	-55.7987 **	-57.4485 **
3099.5500	-13.0000	-53.0955 **	-52.5563 **
3874.4375	-13.0000	-50.5780 **	-52.0460 **
4649.3250	-13.0000	-49.9213 **	-49.9880 **
5424.2125	-13.0000	-47.2270 **	-47.9621 **
6199.1000	-13.0000	-44.7343 **	-45.5341 **
6973.9875	-13.0000	-42.8364 **	-43.5271 **
7748.8750	-13.0000	-43.4311 **	-42.4926 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

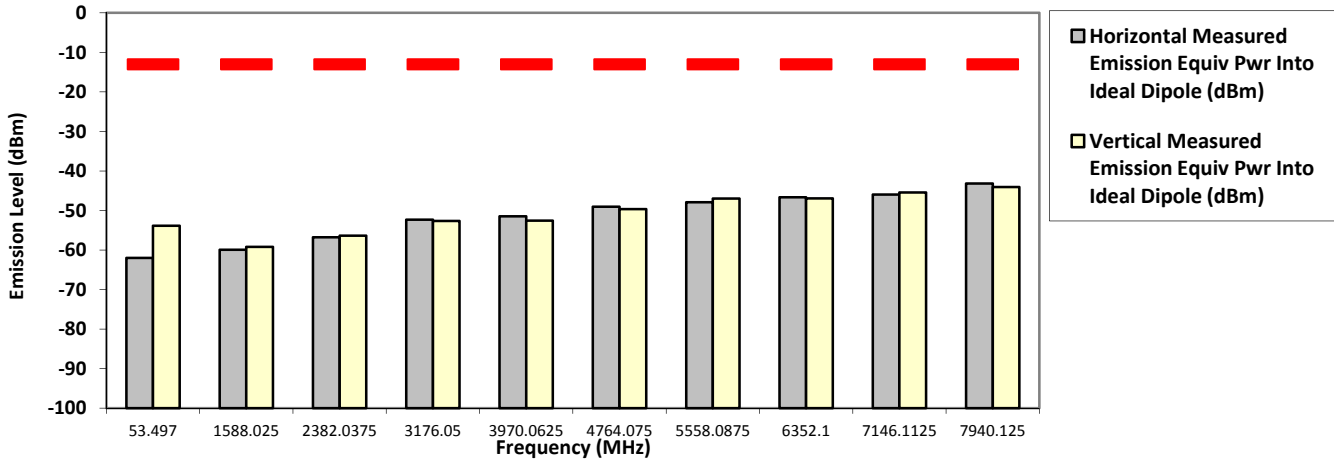
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
794.012500 MHz **12.5 kHz** **3.000 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)
53.4970	-13.0000	-61.9700 *	-53.8400 *
1588.0250	-13.0000	-59.9318 **	-59.1795 **
2382.0375	-13.0000	-56.7553 **	-56.3758 **
3176.0500	-13.0000	-52.3210 **	-52.6183 **
3970.0625	-13.0000	-51.4439 **	-52.5696 **
4764.0750	-13.0000	-49.0258 **	-49.6308 **
5558.0875	-13.0000	-47.9073 **	-46.9907 **
6352.1000	-13.0000	-46.6672 **	-46.9204 **
7146.1125	-13.0000	-45.9700 **	-45.4449 **
7940.1250	-13.0000	-43.1837 **	-44.0581 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

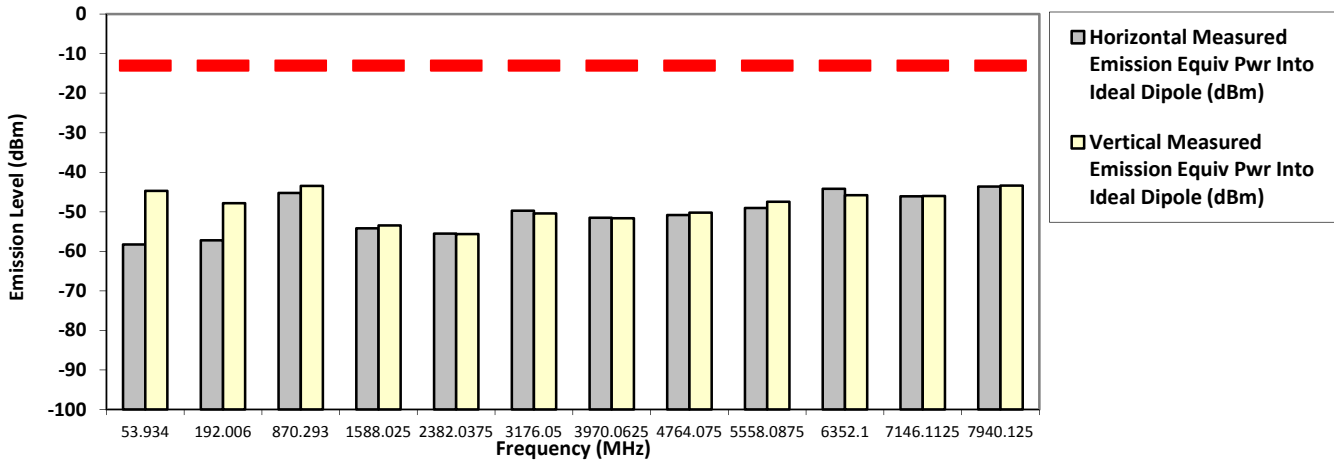
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

794.012500 MHz **12.5 kHz** **36.000 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)
53.9340	-13.0000	-58.2800 *	-44.7000 *
192.0060	-13.0000	-57.1900 *	-47.8100 *
870.2930	-13.0000	-45.2200 *	-43.4400 *
1588.0250	-13.0000	-54.1900 *	-53.4300 *
2382.0375	-13.0000	-55.5110 **	-55.6218 **
3176.0500	-13.0000	-49.7387 **	-50.3978 **
3970.0625	-13.0000	-51.5157 **	-51.6256 **
4764.0750	-13.0000	-50.8215 **	-50.1903 **
5558.0875	-13.0000	-49.0394 **	-47.4712 **
6352.1000	-13.0000	-44.1816 **	-45.7945 **
7146.1125	-13.0000	-46.0891 **	-46.0151 **
7940.1250	-13.0000	-43.6167 **	-43.3500 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

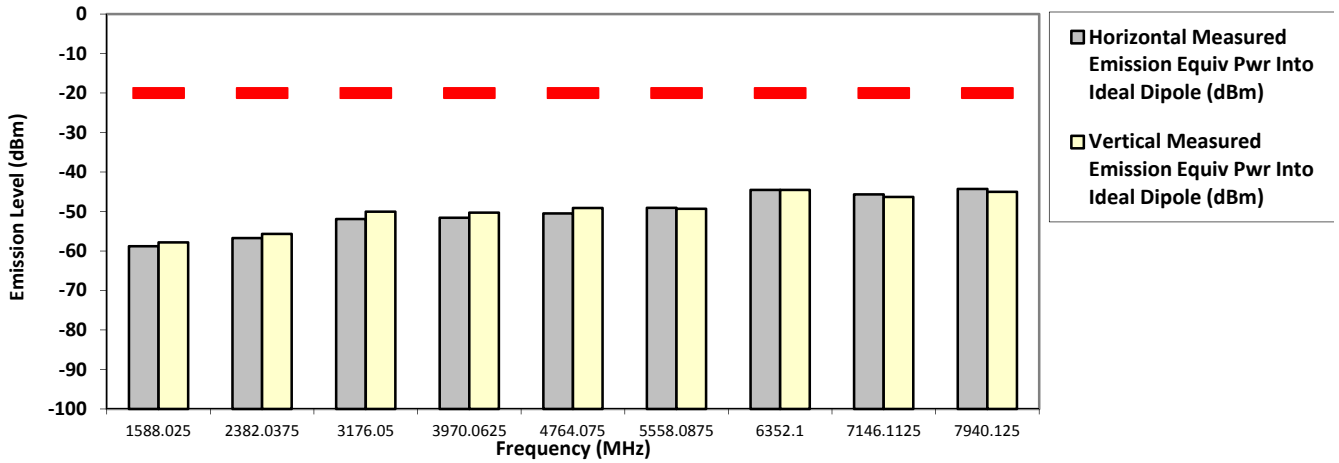
System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3361 SR:14913-EMC-00028
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF2, PMUN1057B-CF1, HKN6164B-CF1, 657-HKN6188B, PMUF1969A, PMUN1083A-CF2
Test Mode: TX Analog
794.012500 MHz 12.5 kHz 36.000 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)
1588.0250	-20.0000	-58.7830 **	-57.8410 **
2382.0375	-20.0000	-56.7561 **	-55.7005 **
3176.0500	-20.0000	-51.9119 **	-50.0656 **
3970.0625	-20.0000	-51.5721 **	-50.2975 **
4764.0750	-20.0000	-50.4858 **	-49.1393 **
5558.0875	-20.0000	-49.0640 **	-49.3132 **
6352.1000	-20.0000	-44.5450 **	-44.5540 **
7146.1125	-20.0000	-45.6651 **	-46.3402 **
7940.1250	-20.0000	-44.2777 **	-45.0449 **

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: Azil, Faris & Aiman Sat, Apr 27, 2019

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): 22.5 Hum(%RH): 69.3

System MU: 4.9 dB

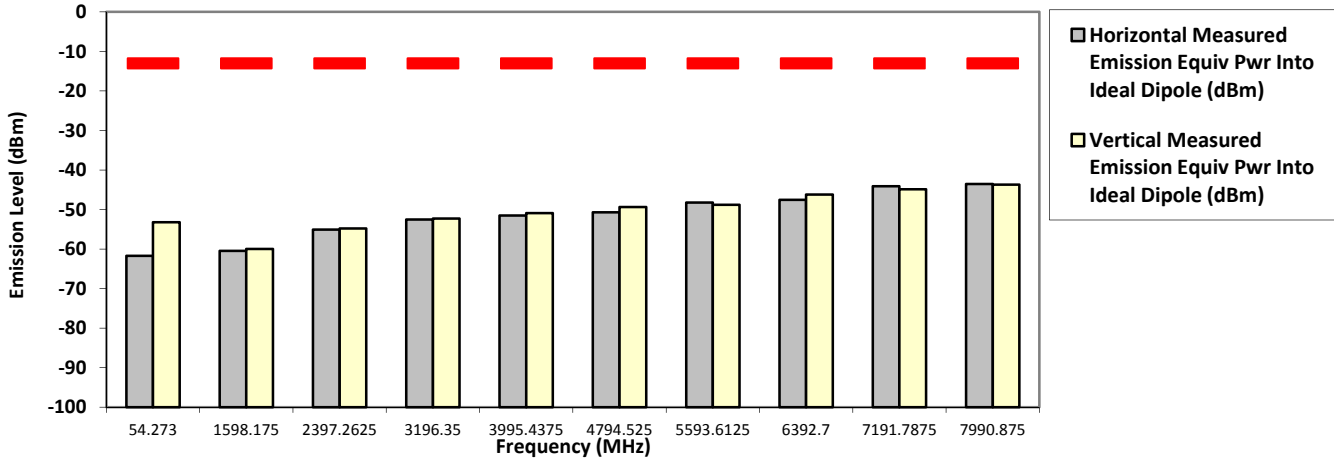
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
799.087500 MHz **12.5 kHz** **3.000 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)
54.2730	-13.0000	-61.6900 *	-53.2000 *
1598.1750	-13.0000	-60.4453 **	-59.9704 **
2397.2625	-13.0000	-55.0765 **	-54.7734 **
3196.3500	-13.0000	-52.5086 **	-52.2840 **
3995.4375	-13.0000	-51.5056 **	-50.9149 **
4794.5250	-13.0000	-50.6931 **	-49.3552 **
5593.6125	-13.0000	-48.2442 **	-48.7944 **
6392.7000	-13.0000	-47.5468 **	-46.2033 **
7191.7875	-13.0000	-44.0932 **	-44.8628 **
7990.8750	-13.0000	-43.5490 **	-43.7054 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

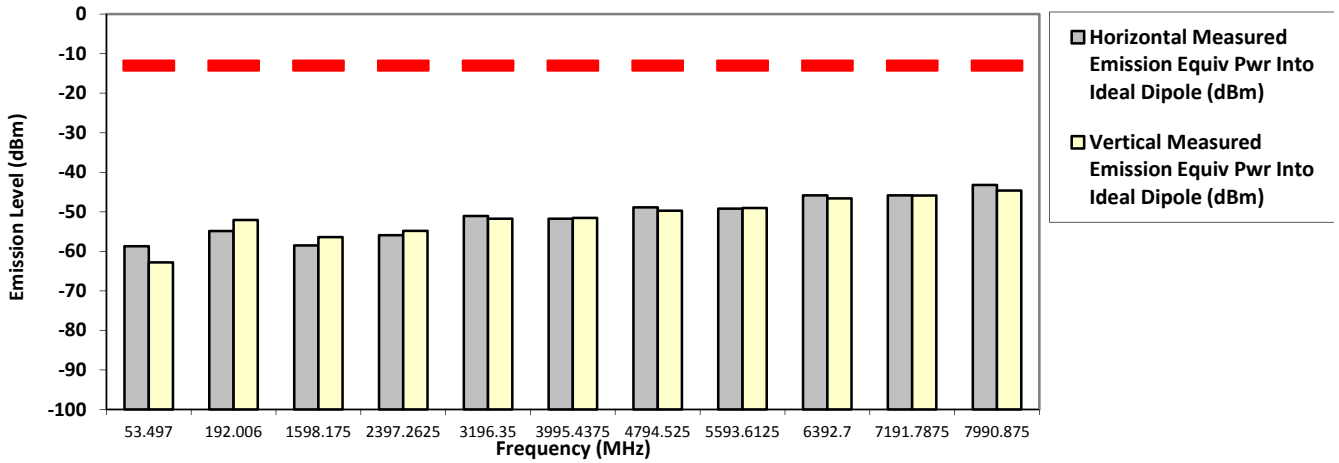
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

799.087500 MHz **12.5 kHz** **36.000 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)
53.4970	-13.0000	-58.7000 *	-62.8100 *
192.0060	-13.0000	-54.8600 *	-52.0900 *
1598.1750	-13.0000	-58.4899 **	-56.4137 **
2397.2625	-13.0000	-55.9148 **	-54.8019 **
3196.3500	-13.0000	-51.0742 **	-51.7308 **
3995.4375	-13.0000	-51.7608 **	-51.5465 **
4794.5250	-13.0000	-48.8852 **	-49.7427 **
5593.6125	-13.0000	-49.1814 **	-49.0264 **
6392.7000	-13.0000	-45.8273 **	-46.6111 **
7191.7875	-13.0000	-45.8532 **	-45.8649 **
7990.8750	-13.0000	-43.1982 **	-44.6385 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

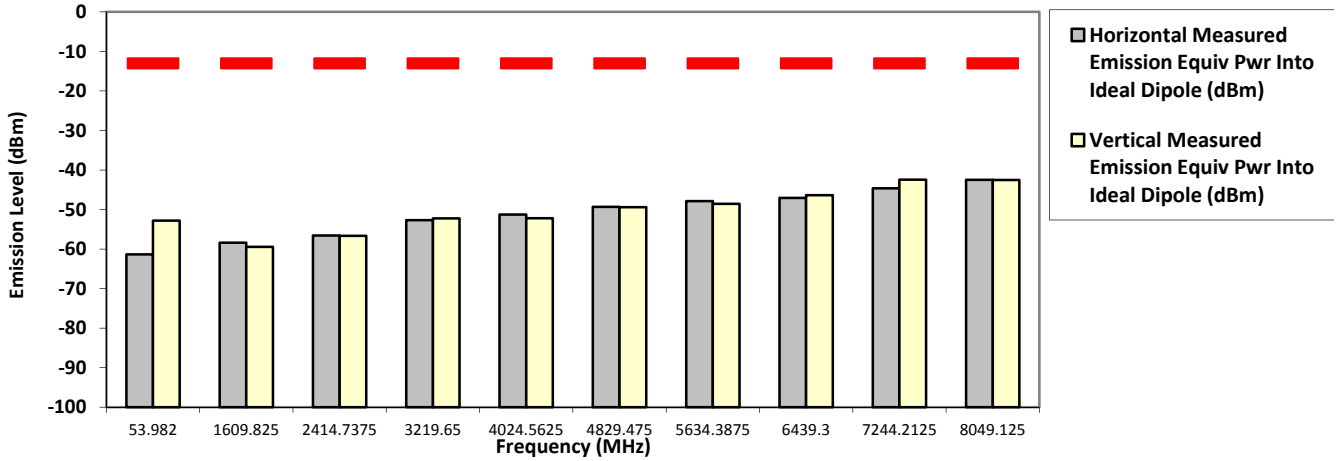
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
804.912500 MHz **12.5 kHz** **3.000 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)
53.9820	-13.0000	-61.3200 *	-52.8000 *
1609.8250	-13.0000	-58.3875 **	-59.4349 **
2414.7375	-13.0000	-56.5652 **	-56.6591 **
3219.6500	-13.0000	-52.6850 **	-52.2423 **
4024.5625	-13.0000	-51.2596 **	-52.2069 **
4829.4750	-13.0000	-49.3330 **	-49.3827 **
5634.3875	-13.0000	-47.8489 **	-48.5515 **
6439.3000	-13.0000	-47.0677 **	-46.3516 **
7244.2125	-13.0000	-44.6084 **	-42.4557 **
8049.1250	-13.0000	-42.4973 **	-42.5288 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

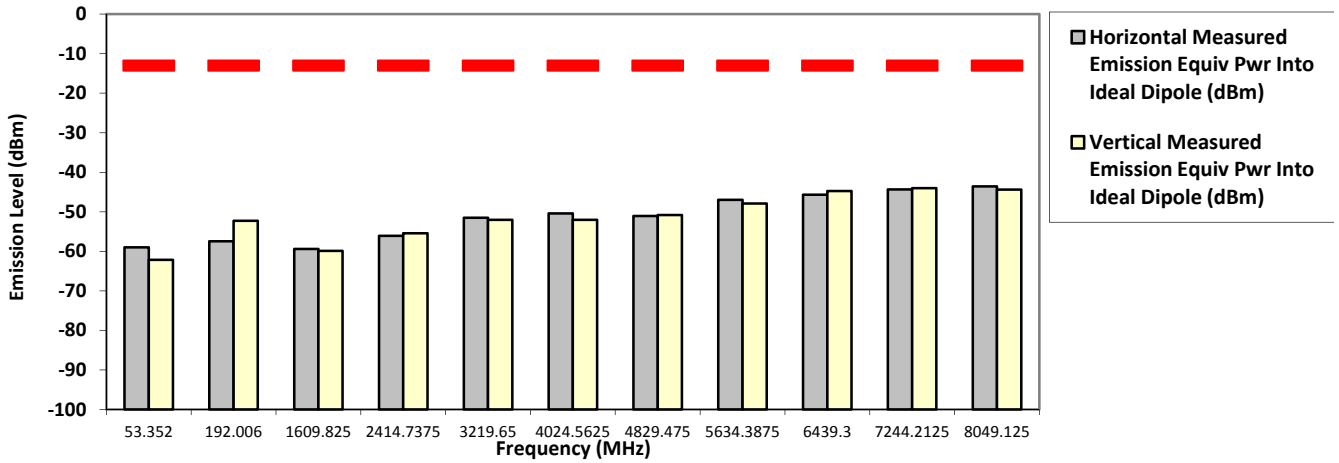
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

804.912500 MHz **12.5 kHz** **36.000 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)
53.3520	-13.0000	-58.9700 *	-62.1300 *
192.0060	-13.0000	-57.4500 *	-52.2700 *
1609.8250	-13.0000	-59.4038 **	-59.8906 **
2414.7375	-13.0000	-56.0572 **	-55.4442 **
3219.6500	-13.0000	-51.4958 **	-52.0486 **
4024.5625	-13.0000	-50.4135 **	-52.0188 **
4829.4750	-13.0000	-51.0724 **	-50.7957 **
5634.3875	-13.0000	-46.9794 **	-47.8828 **
6439.3000	-13.0000	-45.6574 **	-44.7646 **
7244.2125	-13.0000	-44.3545 **	-44.0112 **
8049.1250	-13.0000	-43.5835 **	-44.3795 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

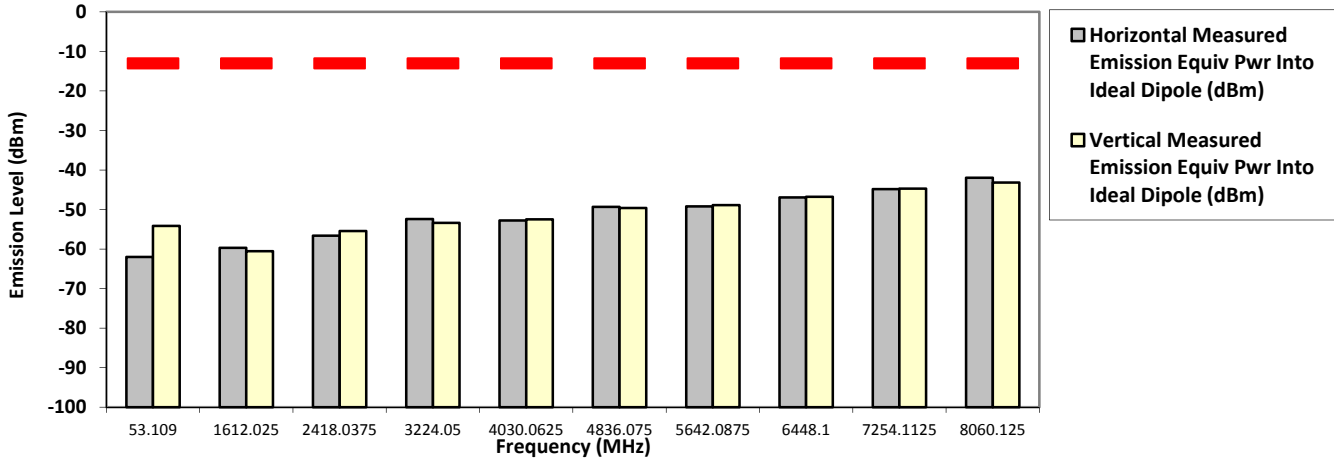
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
806.012500 MHz **25 kHz** **3.000 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)
53.1090	-13.0000	-61.9800 *	-54.1200 *
1612.0250	-13.0000	-59.6760 **	-60.5431 **
2418.0375	-13.0000	-56.6043 **	-55.4398 **
3224.0500	-13.0000	-52.4038 **	-53.3731 **
4030.0625	-13.0000	-52.7453 **	-52.4877 **
4836.0750	-13.0000	-49.3304 **	-49.6081 **
5642.0875	-13.0000	-49.1772 **	-48.8843 **
6448.1000	-13.0000	-46.9255 **	-46.7836 **
7254.1125	-13.0000	-44.8259 **	-44.7242 **
8060.1250	-13.0000	-41.9387 **	-43.1701 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

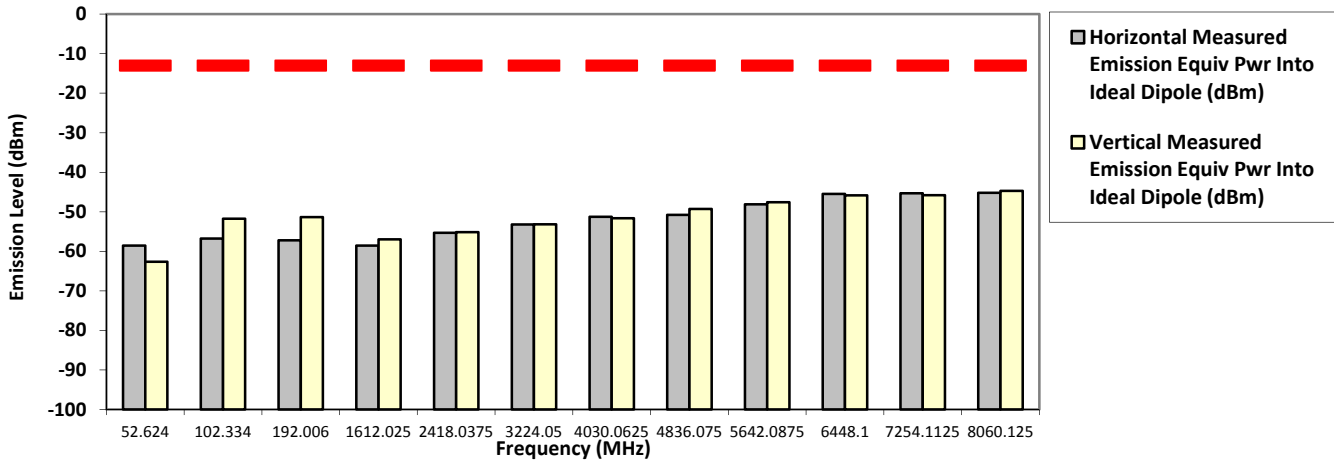
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

806.012500 MHz **25 kHz** **36.000 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)
52.6240	-13.0000	-58.5300 *	-62.6500 *
102.3340	-13.0000	-56.7600 *	-51.7600 *
192.0060	-13.0000	-57.2100 *	-51.3300 *
1612.0250	-13.0000	-58.5393 **	-56.9566 **
2418.0375	-13.0000	-55.2948 **	-55.1461 **
3224.0500	-13.0000	-53.2002 **	-53.1624 **
4030.0625	-13.0000	-51.2520 **	-51.6299 **
4836.0750	-13.0000	-50.7848 **	-49.2767 **
5642.0875	-13.0000	-48.1003 **	-47.5807 **
6448.1000	-13.0000	-45.4908 **	-45.8185 **
7254.1125	-13.0000	-45.2979 **	-45.7986 **
8060.1250	-13.0000	-45.2096 **	-44.7228 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

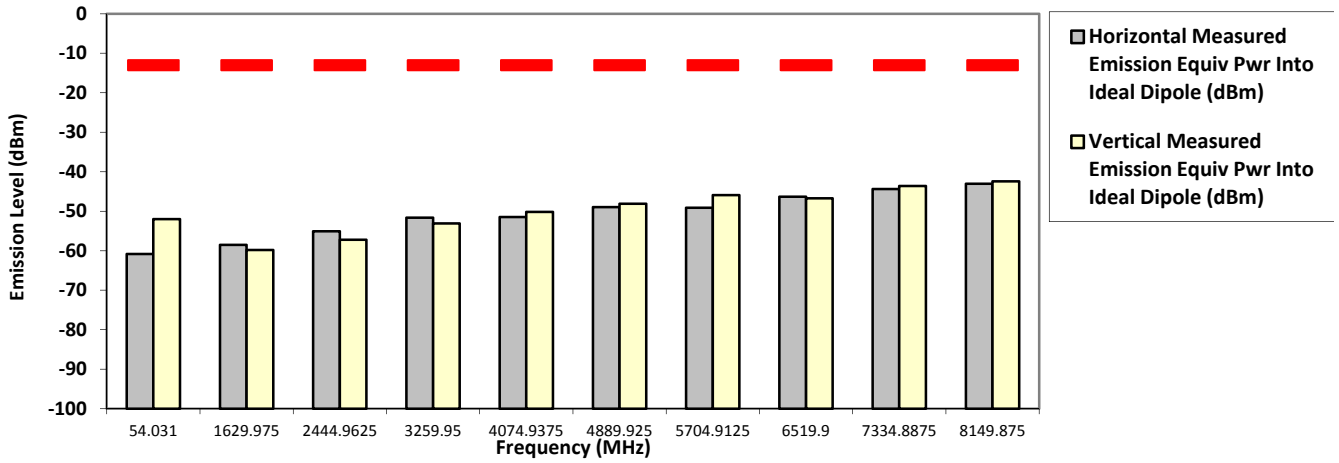
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
814.987500 MHz **25 kHz** **3.000 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)
54.0310	-13.0000	-60.8100 *	-51.9800 *
1629.9750	-13.0000	-58.5223 **	-59.8211 **
2444.9625	-13.0000	-55.0750 **	-57.2309 **
3259.9500	-13.0000	-51.6384 **	-53.1012 **
4074.9375	-13.0000	-51.4706 **	-50.1657 **
4889.9250	-13.0000	-48.9390 **	-48.1071 **
5704.9125	-13.0000	-49.1251 **	-45.9344 **
6519.9000	-13.0000	-46.3335 **	-46.7198 **
7334.8875	-13.0000	-44.3650 **	-43.6042 **
8149.8750	-13.0000	-43.0360 **	-42.4541 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

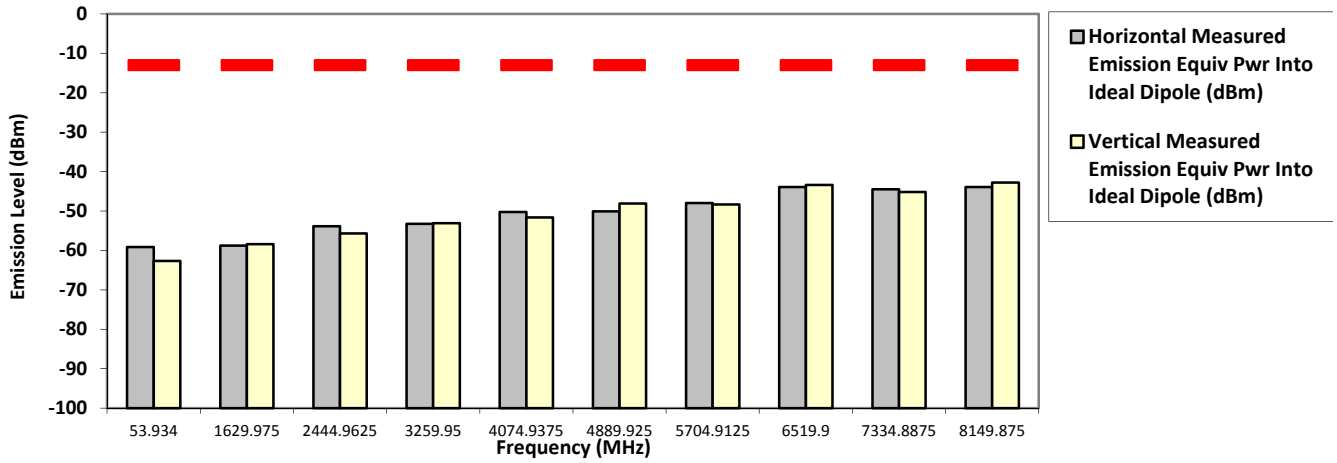
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

814.987500 MHz **25 kHz** **36.000 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)
53.9340	-13.0000	-59.1300 *	-62.6700 *
1629.9750	-13.0000	-58.7944 **	-58.3941 **
2444.9625	-13.0000	-53.8527 **	-55.7035 **
3259.9500	-13.0000	-53.2592 **	-53.0750 **
4074.9375	-13.0000	-50.2541 **	-51.6477 **
4889.9250	-13.0000	-50.0970 **	-48.1090 **
5704.9125	-13.0000	-47.9811 **	-48.3327 **
6519.9000	-13.0000	-43.9098 **	-43.3845 **
7334.8875	-13.0000	-44.4979 **	-45.1646 **
8149.8750	-13.0000	-43.9268 **	-42.7873 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

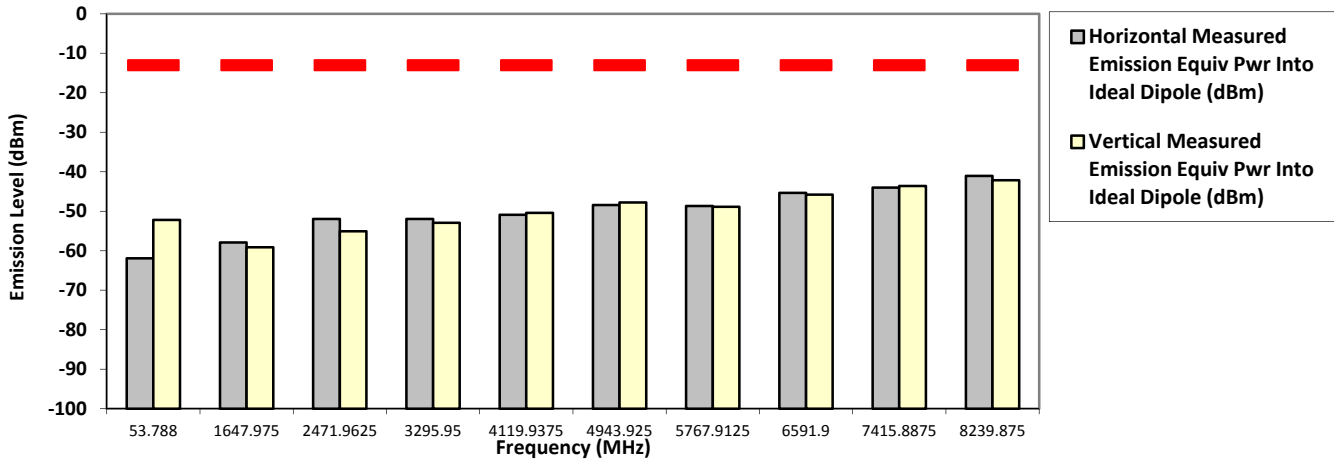
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
823.987500 MHz **25 kHz** **3.000 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)
53.7880	-13.0000	-61.9200 *	-52.2000 *
1647.9750	-13.0000	-57.9030 **	-59.1401 **
2471.9625	-13.0000	-51.9445 **	-55.0952 **
3295.9500	-13.0000	-51.9428 **	-52.9140 **
4119.9375	-13.0000	-50.9042 **	-50.4013 **
4943.9250	-13.0000	-48.4357 **	-47.8004 **
5767.9125	-13.0000	-48.6885 **	-48.8654 **
6591.9000	-13.0000	-45.3559 **	-45.7822 **
7415.8875	-13.0000	-43.9998 **	-43.6115 **
8239.8750	-13.0000	-41.0631 **	-42.1619 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

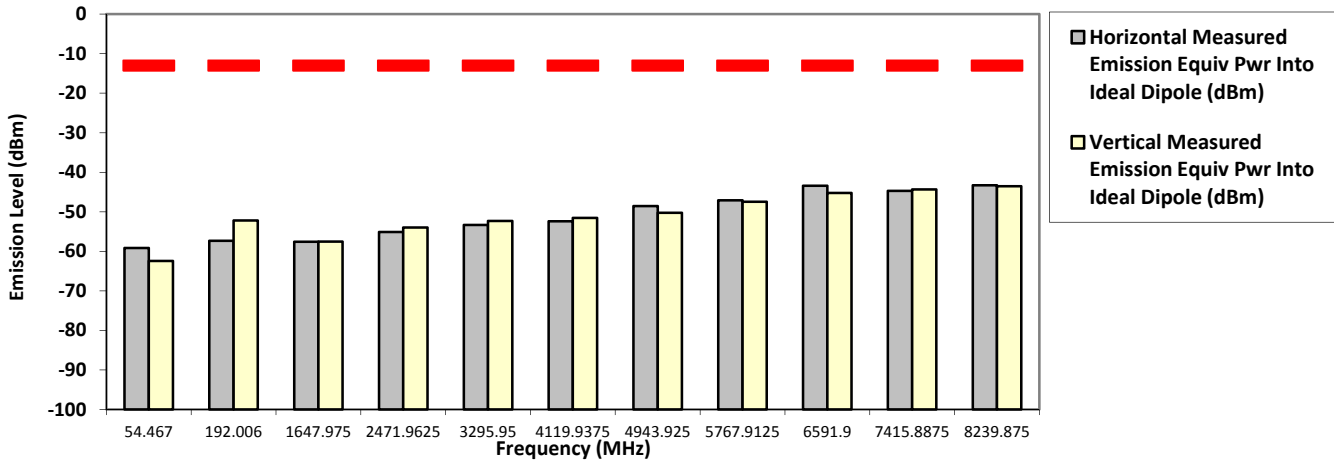
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

823.987500 MHz **25 kHz** **36.000 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)
54.4670	-13.0000	-59.1700 *	-62.4200 *
192.0060	-13.0000	-57.3500 *	-52.1900 *
1647.9750	-13.0000	-57.5723 **	-57.5508 **
2471.9625	-13.0000	-55.1096 **	-53.9732 **
3295.9500	-13.0000	-53.3348 **	-52.3129 **
4119.9375	-13.0000	-52.4098 **	-51.5553 **
4943.9250	-13.0000	-48.5427 **	-50.2324 **
5767.9125	-13.0000	-47.0833 **	-47.4456 **
6591.9000	-13.0000	-43.4175 **	-45.2462 **
7415.8875	-13.0000	-44.7030 **	-44.3557 **
8239.8750	-13.0000	-43.3064 **	-43.5184 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

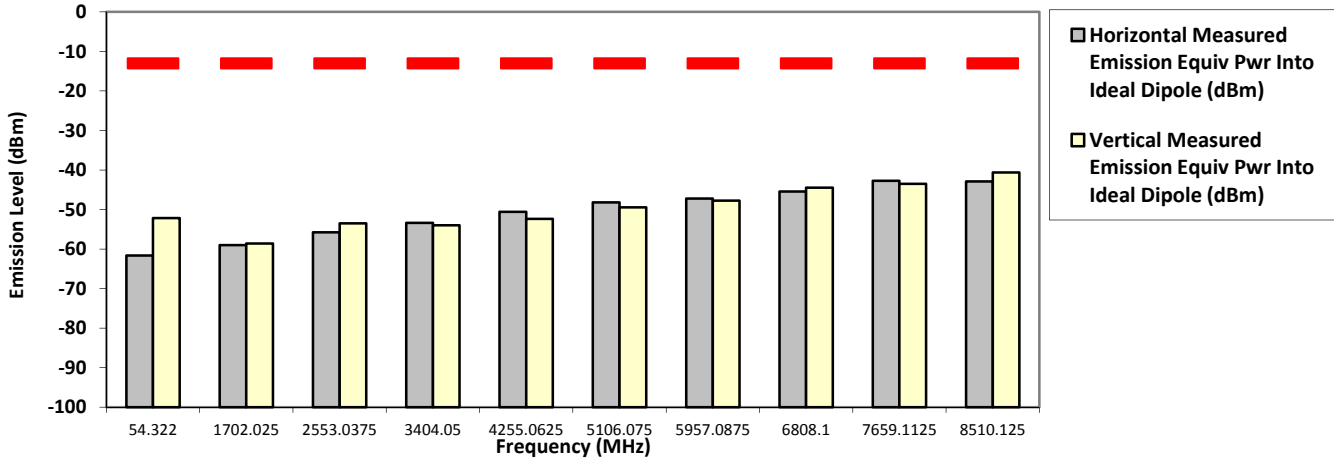
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
851.012500 MHz **25 kHz** **3.000 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)
54.3220	-13.0000	-61.6100 *	-52.1500 *
1702.0250	-13.0000	-58.9914 **	-58.5717 **
2553.0375	-13.0000	-55.7341 **	-53.4755 **
3404.0500	-13.0000	-53.3522 **	-53.9787 **
4255.0625	-13.0000	-50.5718 **	-52.3508 **
5106.0750	-13.0000	-48.1888 **	-49.4386 **
5957.0875	-13.0000	-47.2161 **	-47.7369 **
6808.1000	-13.0000	-45.4312 **	-44.4710 **
7659.1125	-13.0000	-42.7230 **	-43.4957 **
8510.1250	-13.0000	-42.8732 **	-40.6017 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

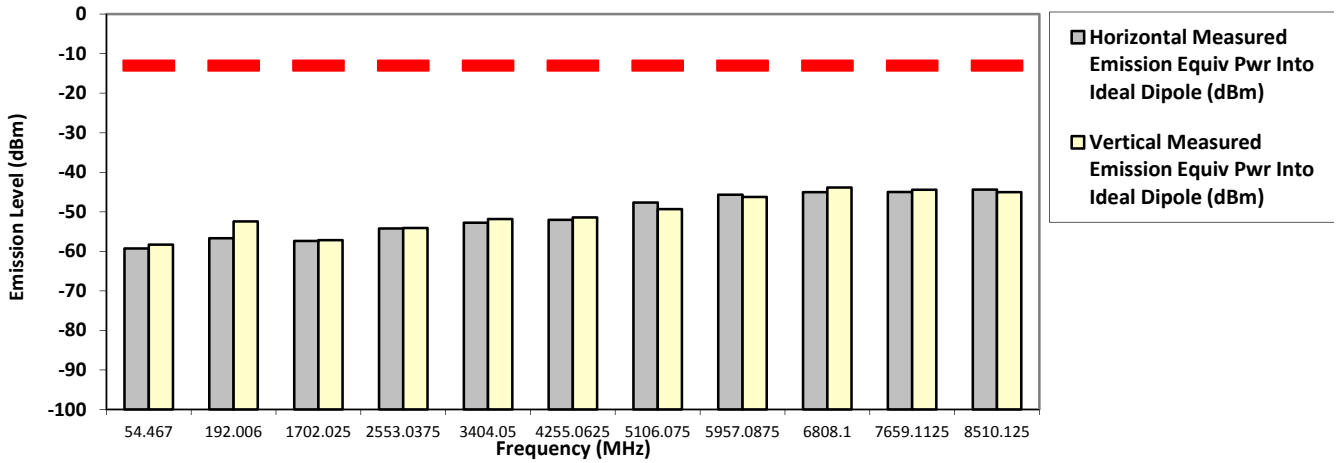
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

851.012500 MHz **25 kHz** **36.000 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)
54.4670	-13.0000	-59.2800 *	-58.3200 *
192.0060	-13.0000	-56.6800 *	-52.4400 *
1702.0250	-13.0000	-57.3879 **	-57.1564 **
2553.0375	-13.0000	-54.1969 **	-54.0783 **
3404.0500	-13.0000	-52.7571 **	-51.8375 **
4255.0625	-13.0000	-52.0395 **	-51.4042 **
5106.0750	-13.0000	-47.6434 **	-49.3172 **
5957.0875	-13.0000	-45.6851 **	-46.2345 **
6808.1000	-13.0000	-45.0469 **	-43.8546 **
7659.1125	-13.0000	-44.9938 **	-44.4249 **
8510.1250	-13.0000	-44.3992 **	-45.0488 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

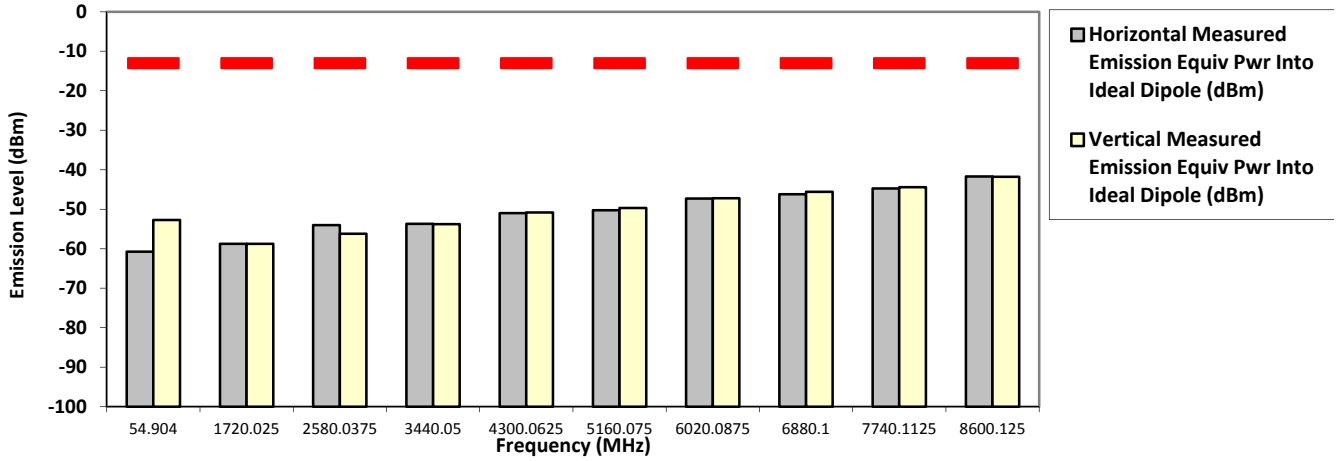
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
860.012500 MHz **25 kHz** **3.000 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)
54.9040	-13.0000	-60.7500 *	-52.7300 *
1720.0250	-13.0000	-58.7721 **	-58.7439 **
2580.0375	-13.0000	-54.0312 **	-56.1935 **
3440.0500	-13.0000	-53.7116 **	-53.7585 **
4300.0625	-13.0000	-50.9910 **	-50.8138 **
5160.0750	-13.0000	-50.2495 **	-49.7046 **
6020.0875	-13.0000	-47.3087 **	-47.2342 **
6880.1000	-13.0000	-46.2010 **	-45.5962 **
7740.1125	-13.0000	-44.7405 **	-44.4135 **
8600.1250	-13.0000	-41.7078 **	-41.7895 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

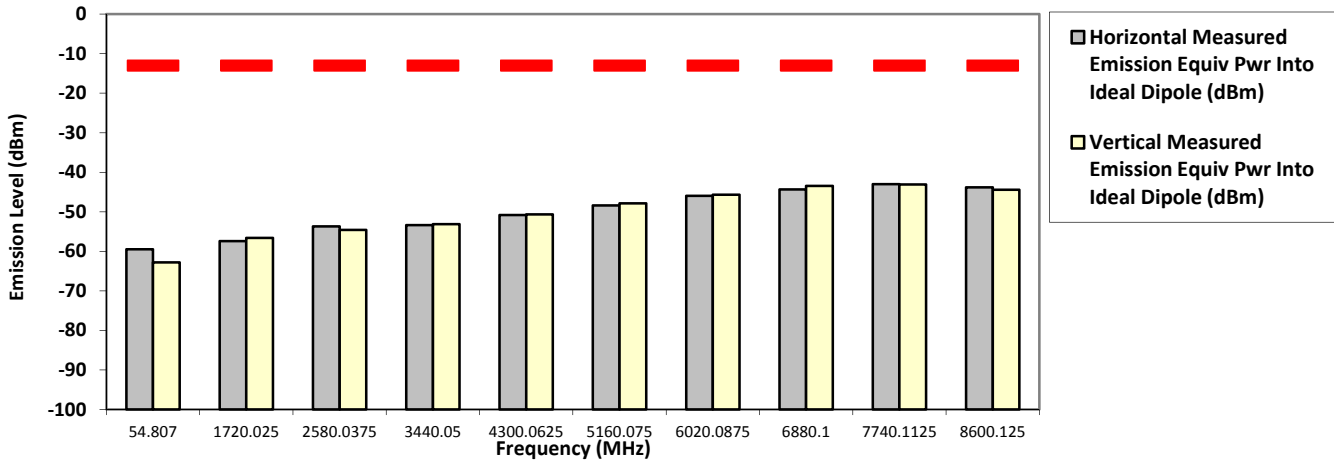
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

860.012500 MHz **25 kHz** **36.000 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)
54.8070	-13.0000	-59.4900 *	-62.7900 *
1720.0250	-13.0000	-57.4260 **	-56.6194 **
2580.0375	-13.0000	-53.6847 **	-54.5814 **
3440.0500	-13.0000	-53.3532 **	-53.1398 **
4300.0625	-13.0000	-50.8294 **	-50.6599 **
5160.0750	-13.0000	-48.3856 **	-47.8524 **
6020.0875	-13.0000	-45.9461 **	-45.6880 **
6880.1000	-13.0000	-44.3346 **	-43.4586 **
7740.1125	-13.0000	-43.0032 **	-43.1044 **
8600.1250	-13.0000	-43.8344 **	-44.4267 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

System MU: 4.9 dB

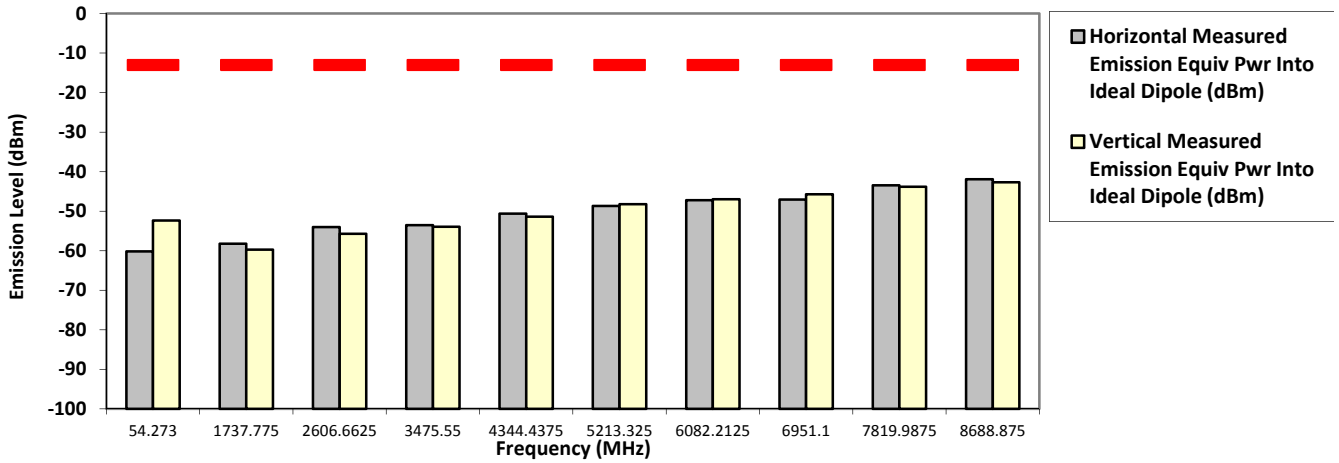
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX Analog
868.887500 MHz **25 kHz** **3.000 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)
54.2730	-13.0000	-60.1800 *	-52.3600 *
1737.7750	-13.0000	-58.2041 **	-59.7266 **
2606.6625	-13.0000	-54.0121 **	-55.7121 **
3475.5500	-13.0000	-53.5446 **	-53.9485 **
4344.4375	-13.0000	-50.5974 **	-51.3832 **
5213.3250	-13.0000	-48.6854 **	-48.2160 **
6082.2125	-13.0000	-47.1969 **	-46.9862 **
6951.1000	-13.0000	-47.0447 **	-45.7037 **
7819.9875	-13.0000	-43.4382 **	-43.8102 **
8688.8750	-13.0000	-41.9202 **	-42.6971 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3361** **SR:14913-EMC-00025**

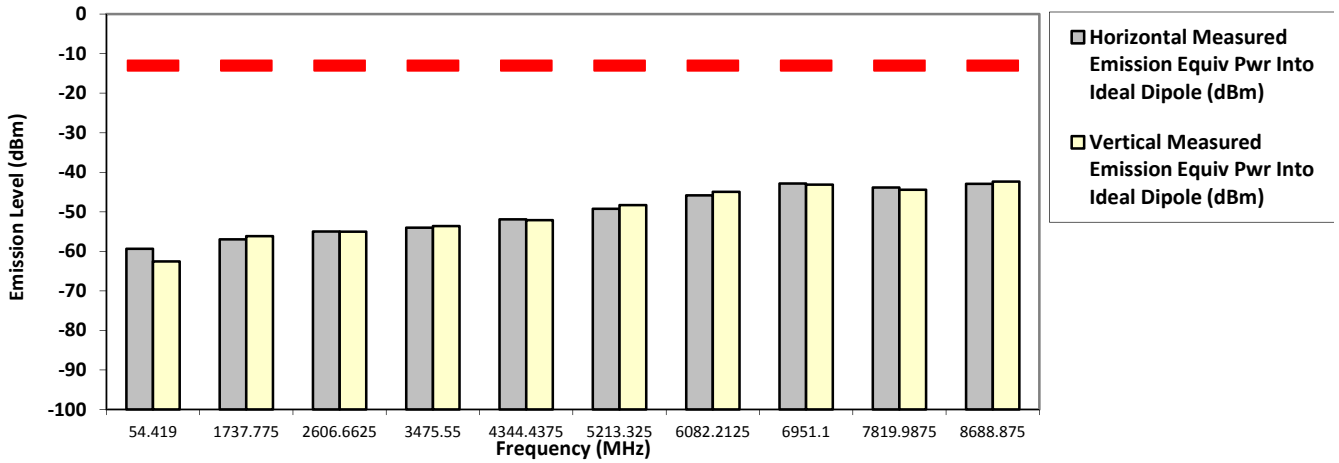
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX Analog

868.887500 MHz **25 kHz** **36.000 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)
54.4190	-13.0000	-59.3500 *	-62.5400 *
1737.7750	-13.0000	-56.9801 **	-56.1727 **
2606.6625	-13.0000	-54.9797 **	-55.0051 **
3475.5500	-13.0000	-54.0184 **	-53.6148 **
4344.4375	-13.0000	-51.8911 **	-52.0959 **
5213.3250	-13.0000	-49.2205 **	-48.3042 **
6082.2125	-13.0000	-45.8345 **	-44.9595 **
6951.1000	-13.0000	-42.8388 **	-43.1346 **
7819.9875	-13.0000	-43.8637 **	-44.4358 **
8688.8750	-13.0000	-42.9072 **	-42.3667 **

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, Azil & Faris **Thu, Jul 04, 2019**

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): 22.7 Hum(%RH): 70.0

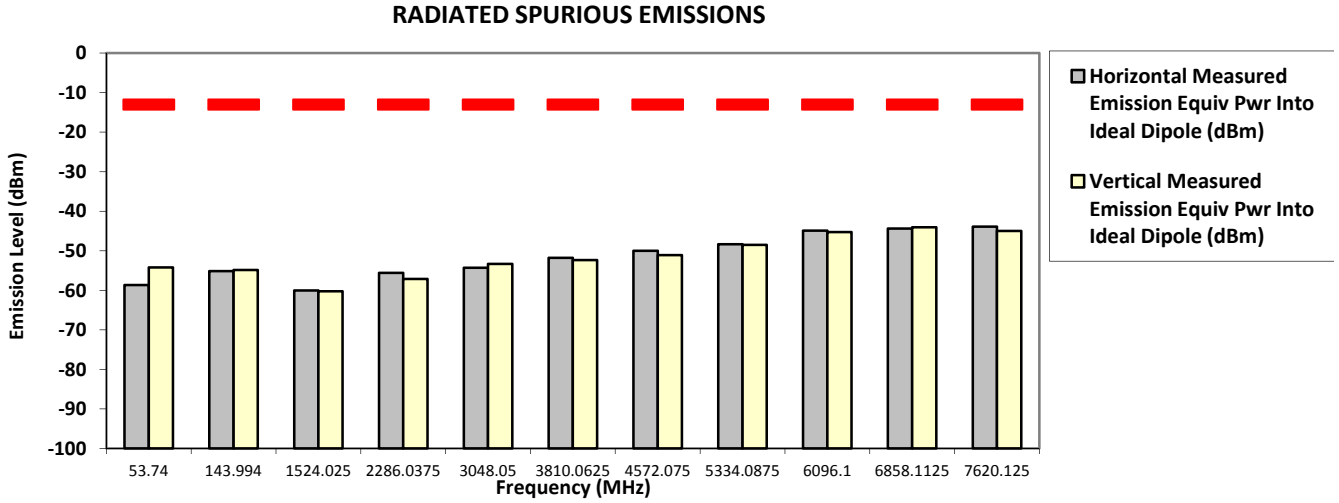
System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

6.11.2. Test Result (Digital)

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
762.012500 MHz 12.5 kHz 3.000 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)
53.7400	-13.0000	-58.6700 *	-54.2300 *
143.9940	-13.0000	-55.1300 *	-54.8500 *
1524.0250	-13.0000	-60.0450 **	-60.2266 **
2286.0375	-13.0000	-55.5709 **	-57.1329 **
3048.0500	-13.0000	-54.2795 **	-53.3063 **
3810.0625	-13.0000	-51.7870 **	-52.3362 **
4572.0750	-13.0000	-50.0181 **	-51.0807 **
5334.0875	-13.0000	-48.3406 **	-48.5268 **
6096.1000	-13.0000	-44.8881 **	-45.2565 **
6858.1125	-13.0000	-44.3846 **	-44.0702 **
7620.1250	-13.0000	-43.9159 **	-44.9711 **



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: Azil, Faris & Aiman Tue, Apr 23, 2019

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): 22.7 Hum(%RH): 70.5

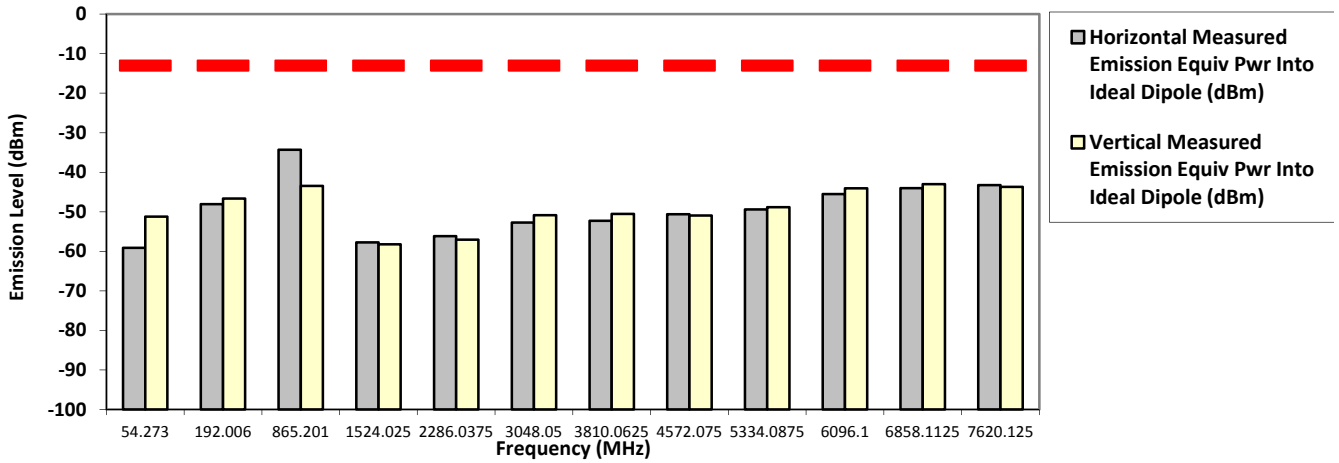
System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
762.012500 MHz 12.5 kHz 36.000 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)
54.2730	-13.0000	-59.1100 *	-51.2400 *
192.0060	-13.0000	-48.0600 *	-46.6600 *
865.2010	-13.0000	-34.3000 *	-43.4500 *
1524.0250	-13.0000	-57.7241 **	-58.2180 **
2286.0375	-13.0000	-56.1423 **	-57.0477 **
3048.0500	-13.0000	-52.7362 **	-50.8640 **
3810.0625	-13.0000	-52.2693 **	-50.5464 **
4572.0750	-13.0000	-50.6072 **	-50.9209 **
5334.0875	-13.0000	-49.3920 **	-48.8241 **
6096.1000	-13.0000	-45.5074 **	-44.0440 **
6858.1125	-13.0000	-44.0169 **	-42.9997 **
7620.1250	-13.0000	-43.2674 **	-43.6806 **

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: Azil, Faris & Aiman Tue, Apr 23, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

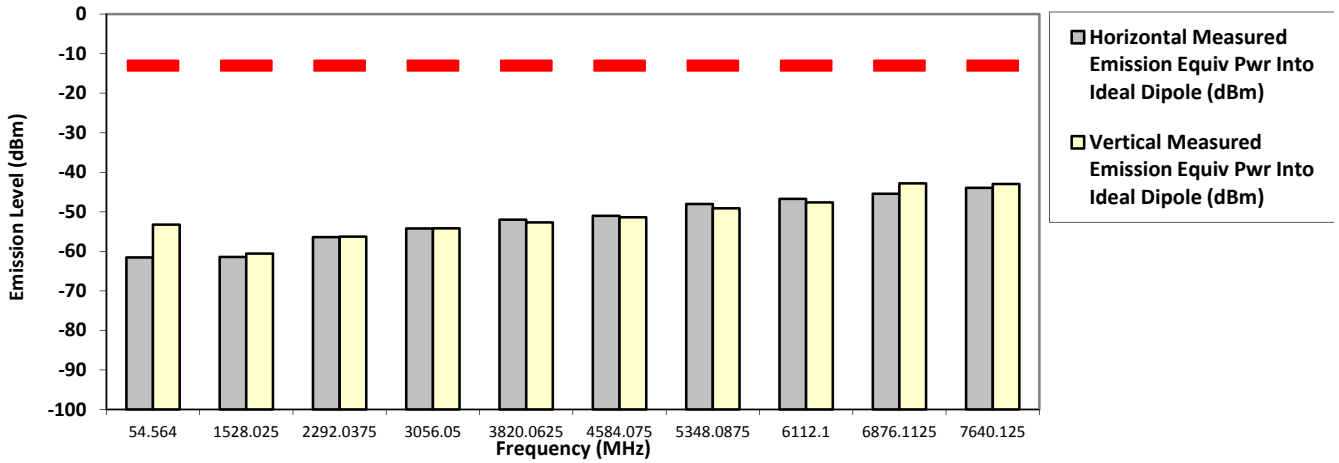
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

764.012500 MHz **12.5 kHz** **3.000 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)
54.5640	-13.0000	-61.5500 *	-53.2400 *
1528.0250	-13.0000	-61.4173 **	-60.5722 **
2292.0375	-13.0000	-56.3977 **	-56.2916 **
3056.0500	-13.0000	-54.2040 **	-54.1737 **
3820.0625	-13.0000	-52.0016 **	-52.6951 **
4584.0750	-13.0000	-51.0217 **	-51.3778 **
5348.0875	-13.0000	-48.0224 **	-49.1070 **
6112.1000	-13.0000	-46.7466 **	-47.5991 **
6876.1125	-13.0000	-45.4518 **	-42.7987 **
7640.1250	-13.0000	-43.9405 **	-42.9680 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

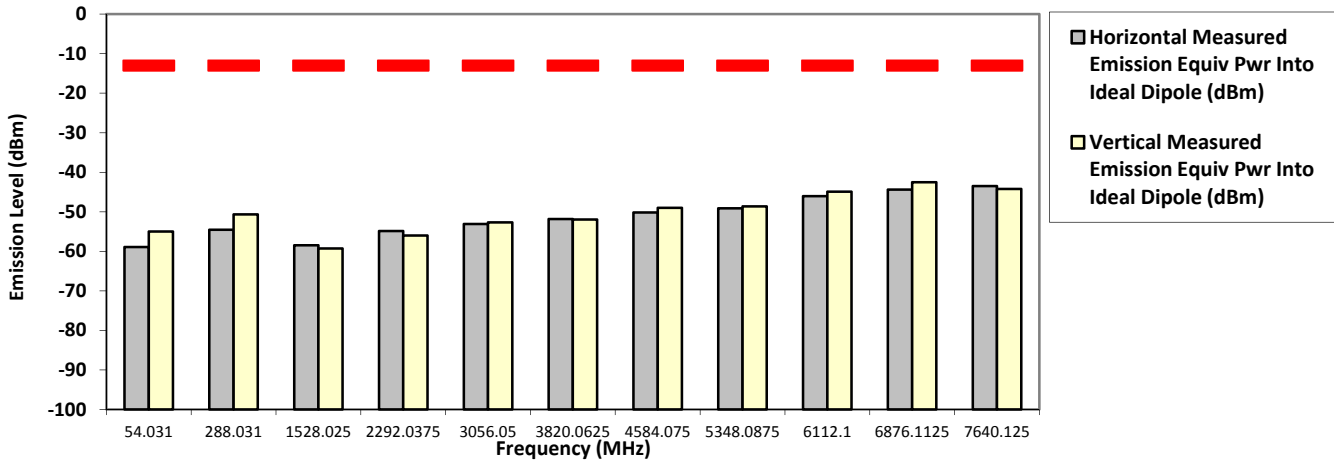
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
764.012500 MHz 12.5 kHz 36.000 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)
54.0310	-13.0000	-58.8900 *	-54.9800 *
288.0310	-13.0000	-54.5200 *	-50.6400 *
1528.0250	-13.0000	-58.4808 **	-59.2778 **
2292.0375	-13.0000	-54.8615 **	-55.9951 **
3056.0500	-13.0000	-53.1010 **	-52.6569 **
3820.0625	-13.0000	-51.8389 **	-51.9622 **
4584.0750	-13.0000	-50.1584 **	-48.9789 **
5348.0875	-13.0000	-49.1209 **	-48.6352 **
6112.1000	-13.0000	-46.0349 **	-44.9107 **
6876.1125	-13.0000	-44.3731 **	-42.5166 **
7640.1250	-13.0000	-43.4899 **	-44.2367 **

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: Azil, Faris & Aiman Tue, Apr 23, 2019

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): 22.7 Hum(%RH): 70.5

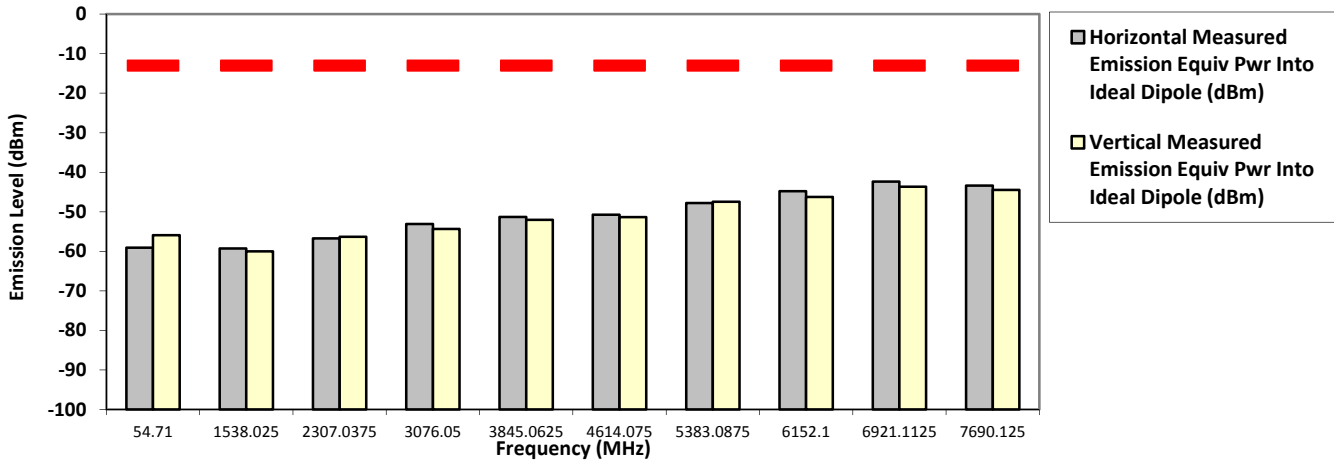
System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
769.012500 MHz 12.5 kHz 2.000 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)
54.7100	-13.0000	-59.0800 *	-55.9300 *
1538.0250	-13.0000	-59.2751 **	-60.0095 **
2307.0375	-13.0000	-56.7387 **	-56.3011 **
3076.0500	-13.0000	-53.0718 **	-54.3210 **
3845.0625	-13.0000	-51.2912 **	-52.0187 **
4614.0750	-13.0000	-50.7174 **	-51.3472 **
5383.0875	-13.0000	-47.7700 **	-47.4465 **
6152.1000	-13.0000	-44.7940 **	-46.2335 **
6921.1125	-13.0000	-42.3698 **	-43.6364 **
7690.1250	-13.0000	-43.3554 **	-44.4510 **

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: Azil, Faris & Aiman Tue, Apr 23, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

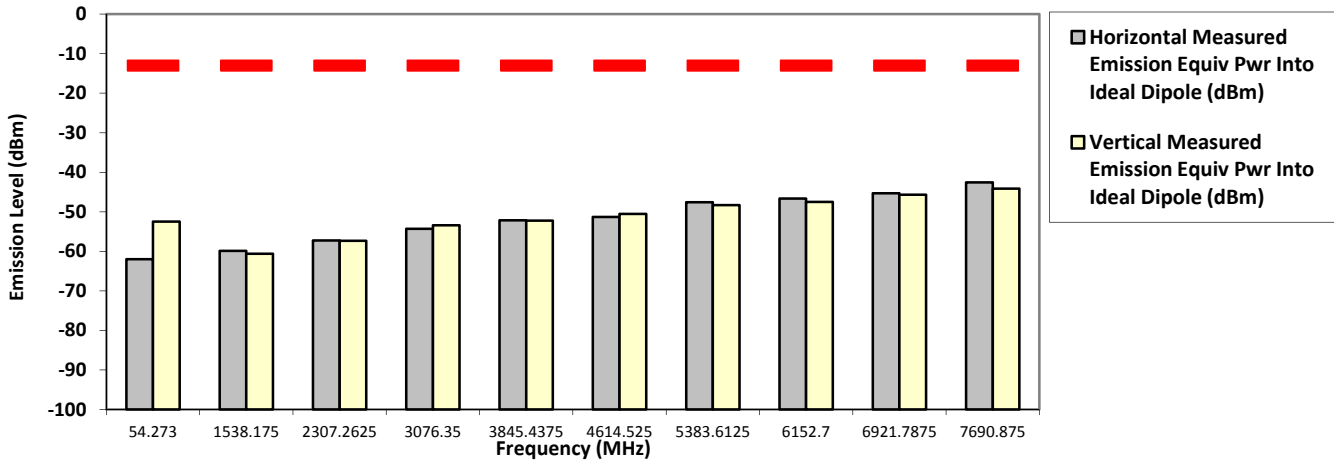
Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
769.087500 MHz **12.5 kHz** **3.000 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)
54.2730	-13.0000	-61.9700 *	-52.4600 *
1538.1750	-13.0000	-59.8703 **	-60.5883 **
2307.2625	-13.0000	-57.2315 **	-57.3213 **
3076.3500	-13.0000	-54.3011 **	-53.3857 **
3845.4375	-13.0000	-52.1597 **	-52.2173 **
4614.5250	-13.0000	-51.2863 **	-50.5299 **
5383.6125	-13.0000	-47.5864 **	-48.3079 **
6152.7000	-13.0000	-46.6323 **	-47.4852 **
6921.7875	-13.0000	-45.3321 **	-45.6925 **
7690.8750	-13.0000	-42.5775 **	-44.1397 **

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&Azil **Thu, Jun 20, 2019**

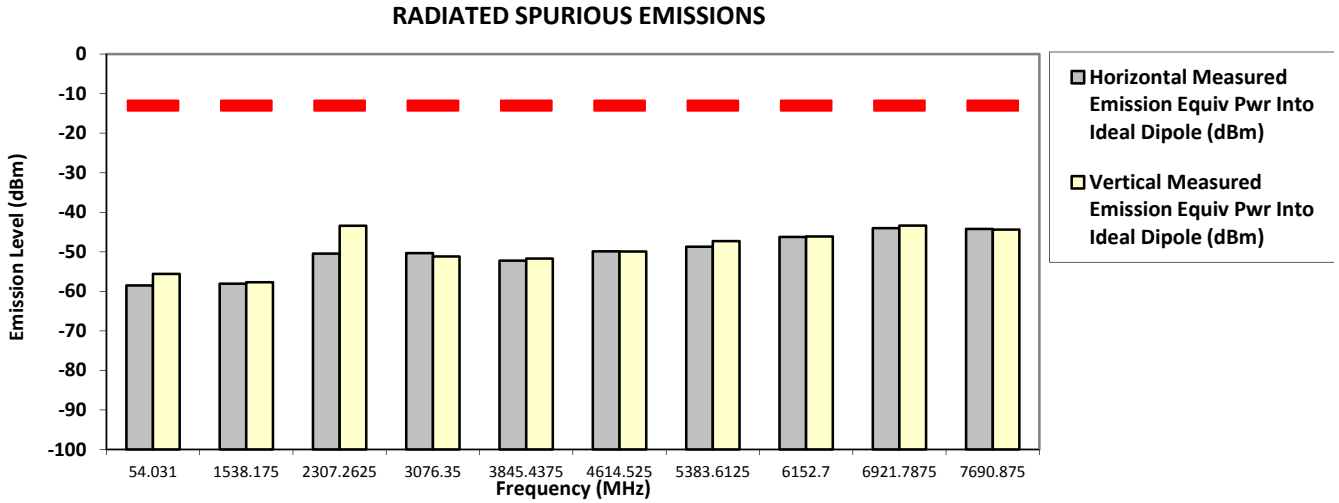
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
***Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported**
Temp(Deg): 22.3 Hum(%RH): 70.6

System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
769.087500 MHz 12.5 kHz 36.000 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)
54.0310	-13.0000	-58.5100 *	-55.6100 *
1538.1750	-13.0000	-58.0421 **	-57.6894 **
2307.2625	-13.0000	-50.4700 *	-43.4100 *
3076.3500	-13.0000	-50.3223 **	-51.1708 **
3845.4375	-13.0000	-52.2301 **	-51.7142 **
4614.5250	-13.0000	-49.8997 **	-49.9221 **
5383.6125	-13.0000	-48.6936 **	-47.2826 **
6152.7000	-13.0000	-46.2370 **	-46.1063 **
6921.7875	-13.0000	-44.0289 **	-43.3558 **
7690.8750	-13.0000	-44.2333 **	-44.3883 **



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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

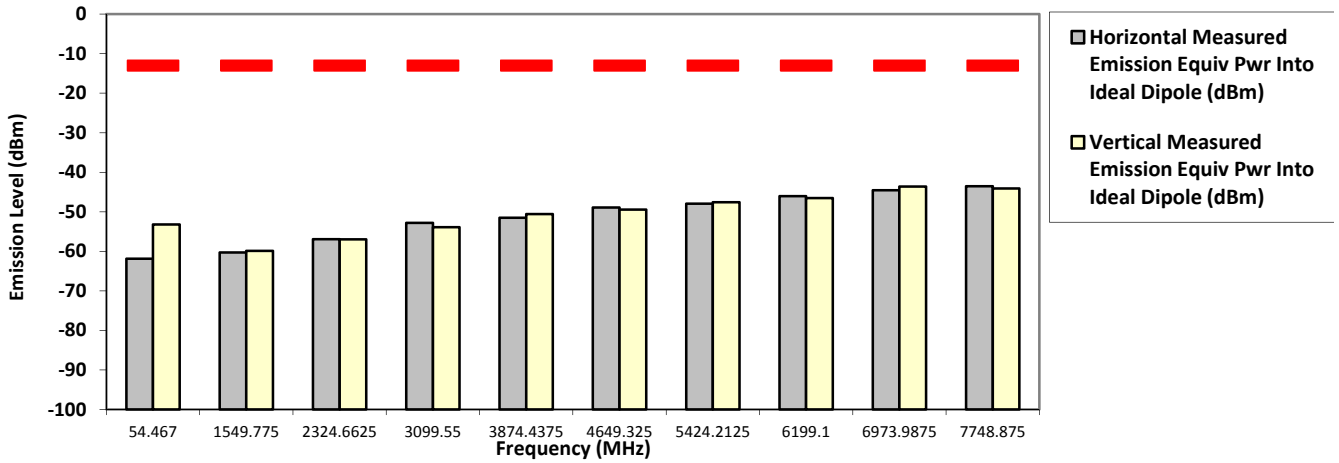
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
774.887500 MHz **12.5 kHz** **3.000 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)
54.4670	-13.0000	-61.8600 *	-53.2100 *
1549.7750	-13.0000	-60.2817 **	-59.8845 **
2324.6625	-13.0000	-56.9351 **	-56.9480 **
3099.5500	-13.0000	-52.8027 **	-53.9005 **
3874.4375	-13.0000	-51.4908 **	-50.5645 **
4649.3250	-13.0000	-48.9015 **	-49.4567 **
5424.2125	-13.0000	-47.9486 **	-47.5632 **
6199.1000	-13.0000	-46.0600 **	-46.5255 **
6973.9875	-13.0000	-44.5528 **	-43.6153 **
7748.8750	-13.0000	-43.5405 **	-44.0944 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

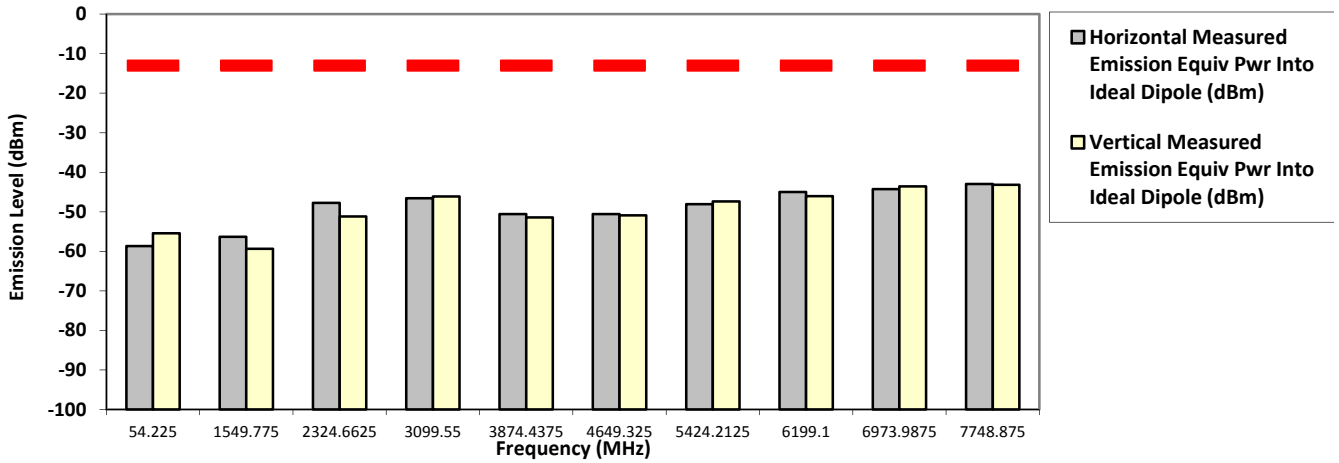
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
774.887500 MHz 12.5 kHz 36.000 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)
54.2250	-13.0000	-58.6600 *	-55.4400 *
1549.7750	-13.0000	-56.3260 **	-59.3433 **
2324.6625	-13.0000	-47.7300 *	-51.1700 *
3099.5500	-13.0000	-46.5700 *	-46.1200 *
3874.4375	-13.0000	-50.5814 **	-51.4241 **
4649.3250	-13.0000	-50.5684 **	-50.8862 **
5424.2125	-13.0000	-48.0554 **	-47.3743 **
6199.1000	-13.0000	-44.9774 **	-46.0262 **
6973.9875	-13.0000	-44.2788 **	-43.5532 **
7748.8750	-13.0000	-42.9474 **	-43.1764 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

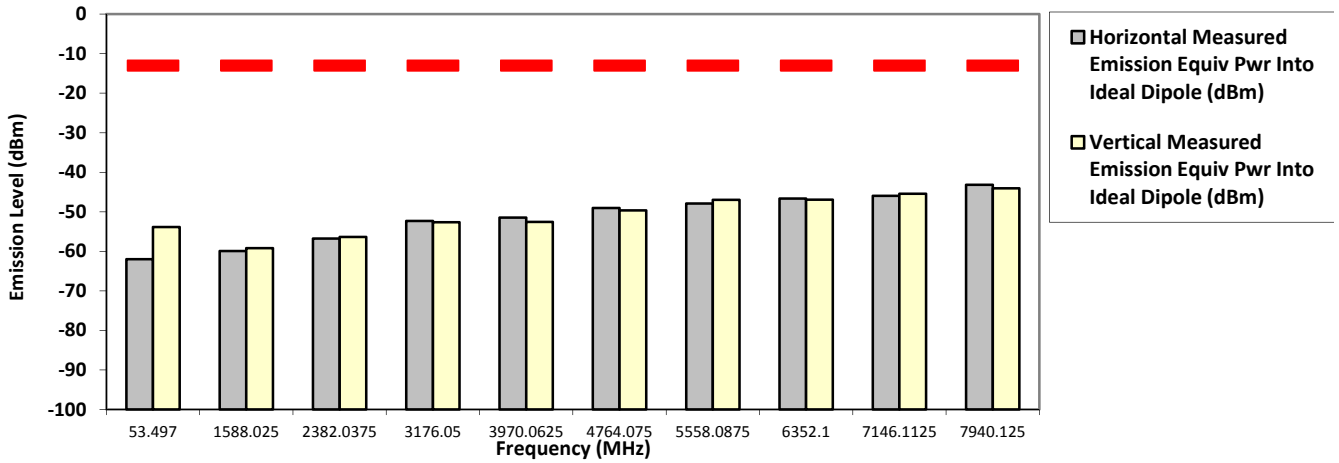
Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
794.012500 MHz **12.5 kHz** **3.000 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)
53.4970	-13.0000	-61.9700 *	-53.8400 *
1588.0250	-13.0000	-59.9318 **	-59.1795 **
2382.0375	-13.0000	-56.7553 **	-56.3758 **
3176.0500	-13.0000	-52.3210 **	-52.6183 **
3970.0625	-13.0000	-51.4439 **	-52.5696 **
4764.0750	-13.0000	-49.0258 **	-49.6308 **
5558.0875	-13.0000	-47.9073 **	-46.9907 **
6352.1000	-13.0000	-46.6672 **	-46.9204 **
7146.1125	-13.0000	-45.9700 **	-45.4449 **
7940.1250	-13.0000	-43.1837 **	-44.0581 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

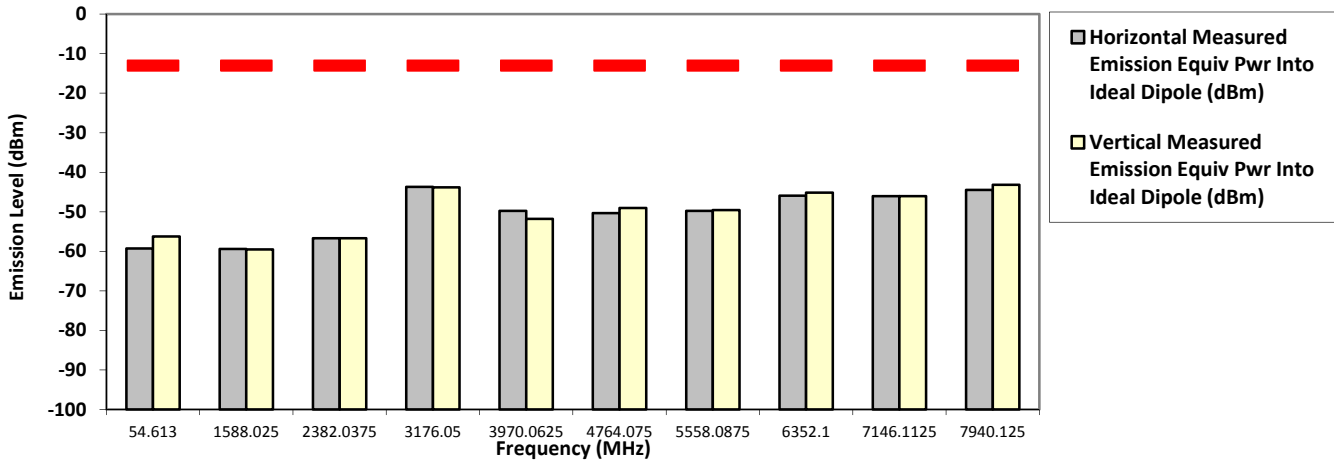
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
794.012500 MHz 12.5 kHz 36.000 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)
54.6130	-13.0000	-59.2900 *	-56.2300 *
1588.0250	-13.0000	-59.4145 **	-59.5128 **
2382.0375	-13.0000	-56.6954 **	-56.6776 **
3176.0500	-13.0000	-43.6900 *	-43.8000 *
3970.0625	-13.0000	-49.7526 **	-51.7968 **
4764.0750	-13.0000	-50.3270 **	-49.0171 **
5558.0875	-13.0000	-49.7524 **	-49.5797 **
6352.1000	-13.0000	-45.9164 **	-45.1303 **
7146.1125	-13.0000	-46.0551 **	-46.0540 **
7940.1250	-13.0000	-44.4596 **	-43.1835 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

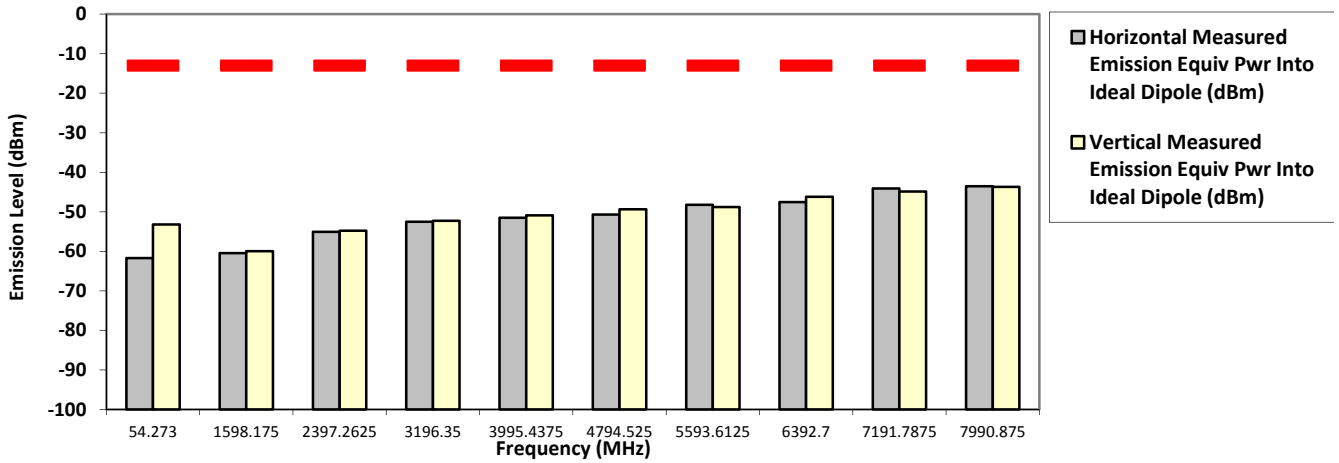
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

799.087500 MHz **12.5 kHz** **3.000 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)
54.2730	-13.0000	-61.6900 *	-53.2000 *
1598.1750	-13.0000	-60.4453 **	-59.9704 **
2397.2625	-13.0000	-55.0765 **	-54.7734 **
3196.3500	-13.0000	-52.5086 **	-52.2840 **
3995.4375	-13.0000	-51.5056 **	-50.9149 **
4794.5250	-13.0000	-50.6931 **	-49.3552 **
5593.6125	-13.0000	-48.2442 **	-48.7944 **
6392.7000	-13.0000	-47.5468 **	-46.2033 **
7191.7875	-13.0000	-44.0932 **	-44.8628 **
7990.8750	-13.0000	-43.5490 **	-43.7054 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

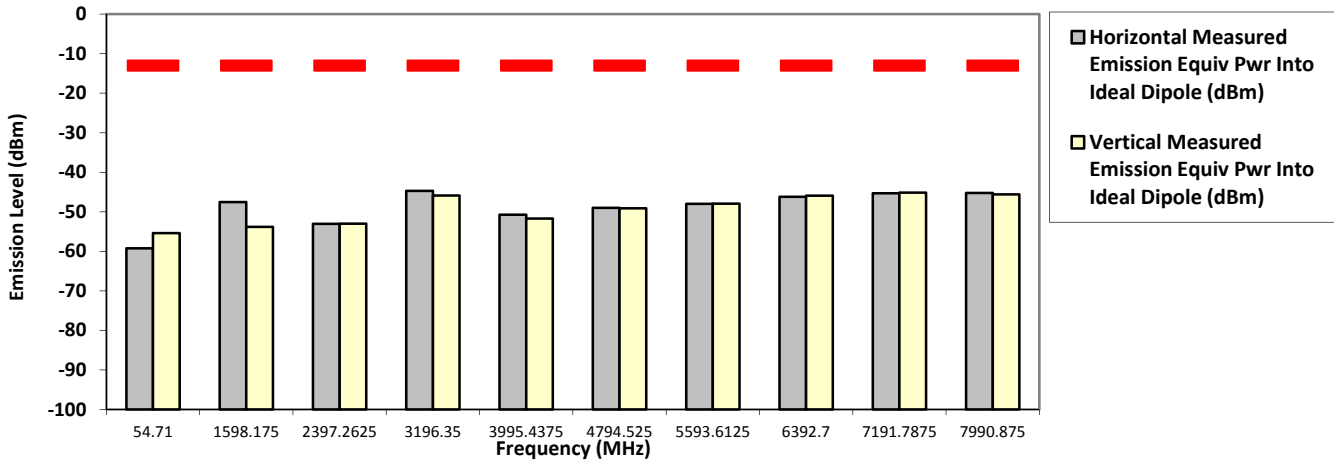
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
799.087500 MHz 12.5 kHz 36.000 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)
54.7100	-13.0000	-59.2200 *	-55.3800 *
1598.1750	-13.0000	-47.5300 *	-53.8000 *
2397.2625	-13.0000	-53.0312 **	-52.9896 **
3196.3500	-13.0000	-44.7000 *	-45.8800 *
3995.4375	-13.0000	-50.7527 **	-51.6990 **
4794.5250	-13.0000	-48.9916 **	-49.1319 **
5593.6125	-13.0000	-47.9843 **	-47.9309 **
6392.7000	-13.0000	-46.2042 **	-45.9151 **
7191.7875	-13.0000	-45.2950 **	-45.1516 **
7990.8750	-13.0000	-45.2189 **	-45.6081 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

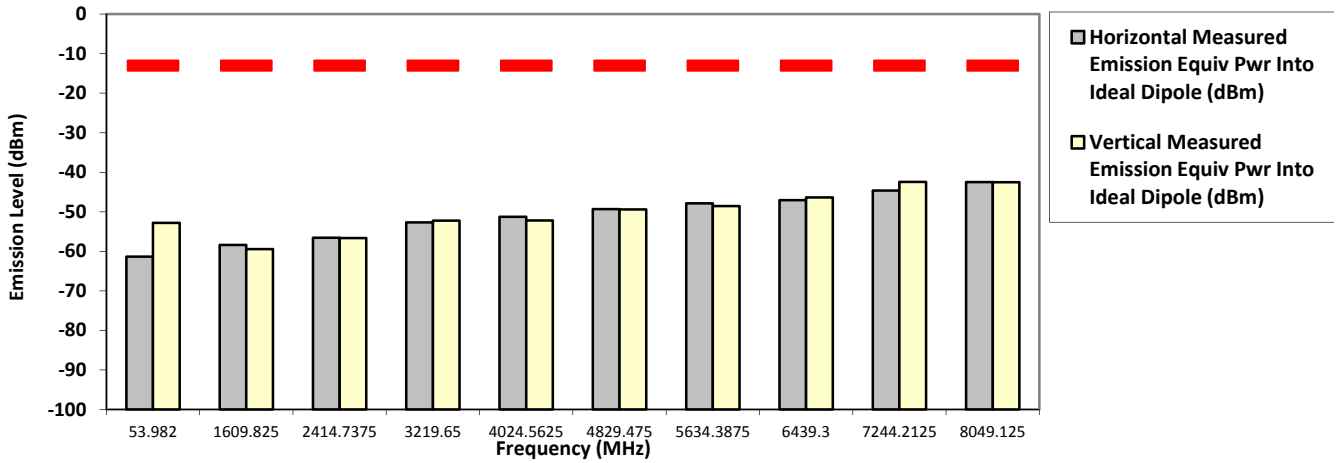
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

804.912500 MHz **12.5 kHz** **3.000 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)
53.9820	-13.0000	-61.3200 *	-52.8000 *
1609.8250	-13.0000	-58.3875 **	-59.4349 **
2414.7375	-13.0000	-56.5652 **	-56.6591 **
3219.6500	-13.0000	-52.6850 **	-52.2423 **
4024.5625	-13.0000	-51.2596 **	-52.2069 **
4829.4750	-13.0000	-49.3330 **	-49.3827 **
5634.3875	-13.0000	-47.8489 **	-48.5515 **
6439.3000	-13.0000	-47.0677 **	-46.3516 **
7244.2125	-13.0000	-44.6084 **	-42.4557 **
8049.1250	-13.0000	-42.4973 **	-42.5288 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

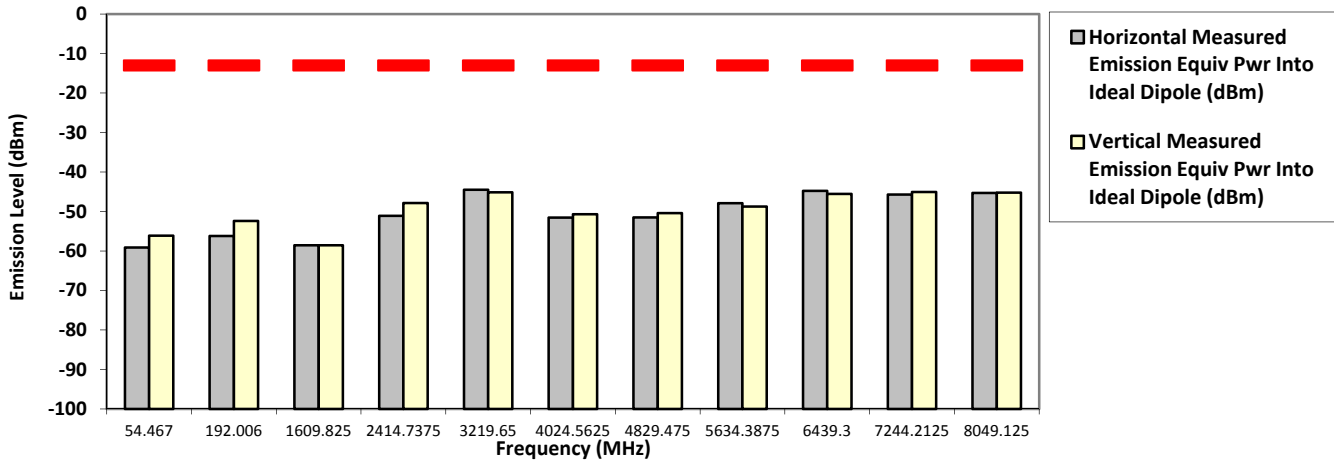
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
804.912500 MHz 12.5 kHz 36.000 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)
54.4670	-13.0000	-59.1200 *	-56.1200 *
192.0060	-13.0000	-56.2200 *	-52.4000 *
1609.8250	-13.0000	-58.5708 **	-58.5704 **
2414.7375	-13.0000	-51.1200 *	-47.8500 *
3219.6500	-13.0000	-44.5100 *	-45.1300 *
4024.5625	-13.0000	-51.5302 **	-50.6829 **
4829.4750	-13.0000	-51.5084 **	-50.4220 **
5634.3875	-13.0000	-47.9143 **	-48.7577 **
6439.3000	-13.0000	-44.7750 **	-45.5547 **
7244.2125	-13.0000	-45.7036 **	-45.0498 **
8049.1250	-13.0000	-45.3122 **	-45.2209 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

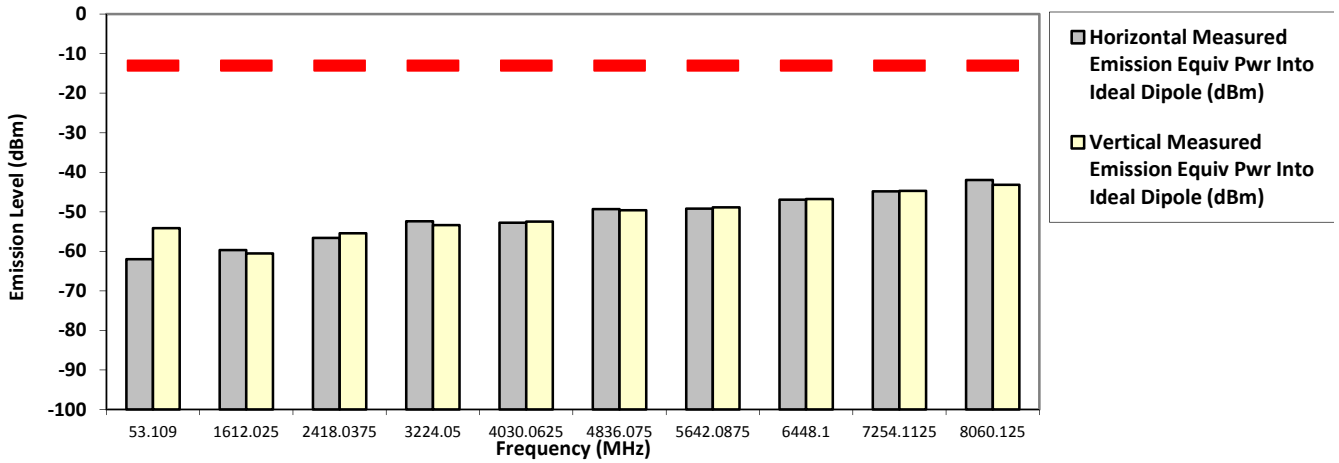
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

806.012500 MHz **12.5 kHz** **3.000 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)
53.1090	-13.0000	-61.9800 *	-54.1200 *
1612.0250	-13.0000	-59.6760 **	-60.5431 **
2418.0375	-13.0000	-56.6043 **	-55.4398 **
3224.0500	-13.0000	-52.4038 **	-53.3731 **
4030.0625	-13.0000	-52.7453 **	-52.4877 **
4836.0750	-13.0000	-49.3304 **	-49.6081 **
5642.0875	-13.0000	-49.1772 **	-48.8843 **
6448.1000	-13.0000	-46.9255 **	-46.7836 **
7254.1125	-13.0000	-44.8259 **	-44.7242 **
8060.1250	-13.0000	-41.9387 **	-43.1701 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

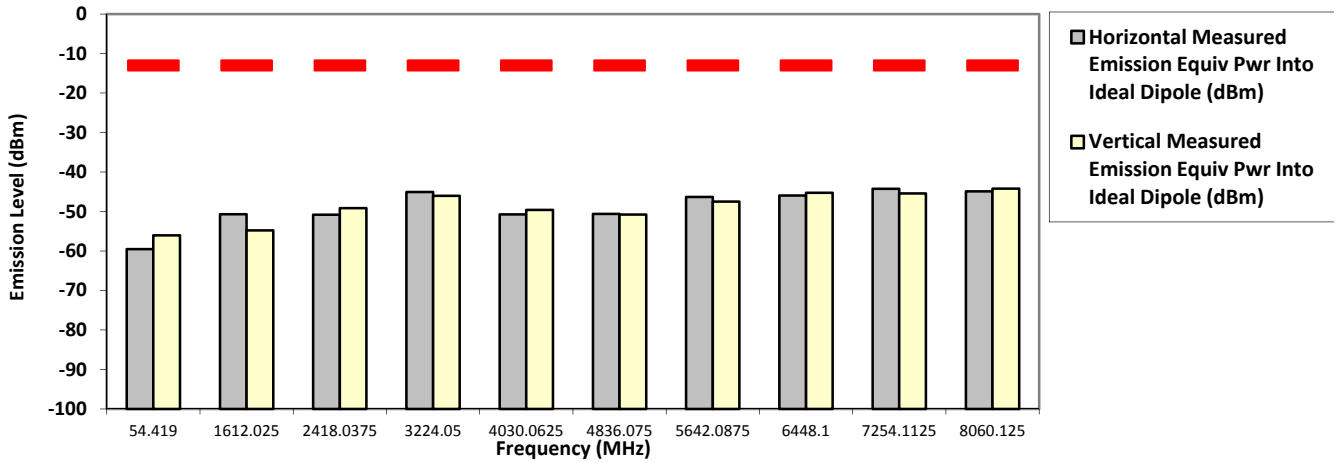
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.4190	-13.0000	-59.5300 *	-56.0300 *
1612.0250	-13.0000	-50.7000 *	-54.7800 *
2418.0375	-13.0000	-50.8400 *	-49.1800 *
3224.0500	-13.0000	-45.0600 *	-46.0500 *
4030.0625	-13.0000	-50.7389 **	-49.6004 **
4836.0750	-13.0000	-50.6212 **	-50.7786 **
5642.0875	-13.0000	-46.3428 **	-47.4818 **
6448.1000	-13.0000	-45.9452 **	-45.2605 **
7254.1125	-13.0000	-44.2513 **	-45.4507 **
8060.1250	-13.0000	-44.9159 **	-44.2238 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

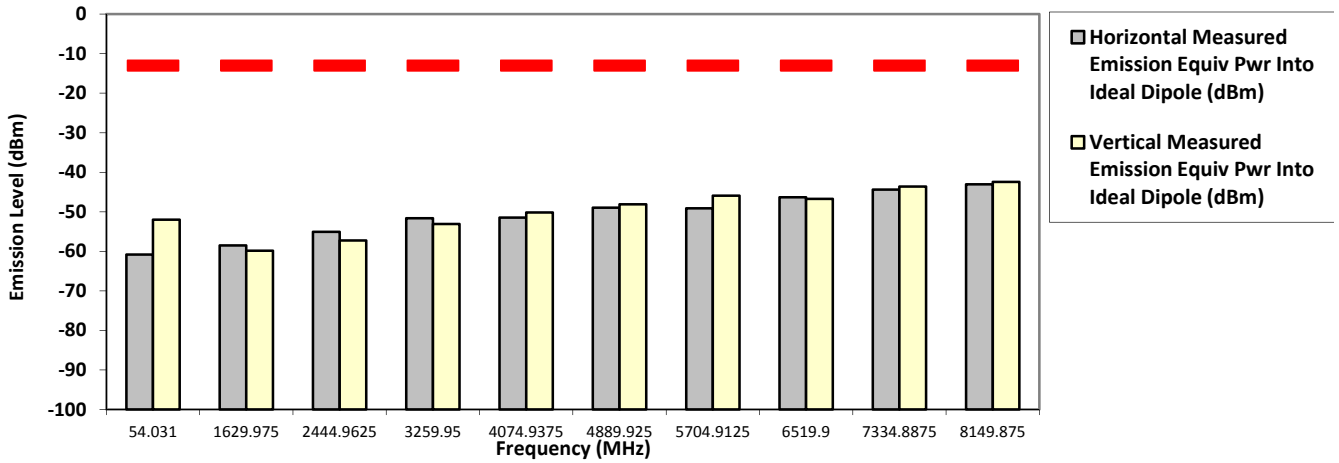
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

814.987500 MHz **12.5 kHz** **3.000 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)
54.0310	-13.0000	-60.8100 *	-51.9800 *
1629.9750	-13.0000	-58.5223 **	-59.8211 **
2444.9625	-13.0000	-55.0750 **	-57.2309 **
3259.9500	-13.0000	-51.6384 **	-53.1012 **
4074.9375	-13.0000	-51.4706 **	-50.1657 **
4889.9250	-13.0000	-48.9390 **	-48.1071 **
5704.9125	-13.0000	-49.1251 **	-45.9344 **
6519.9000	-13.0000	-46.3335 **	-46.7198 **
7334.8875	-13.0000	-44.3650 **	-43.6042 **
8149.8750	-13.0000	-43.0360 **	-42.4541 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

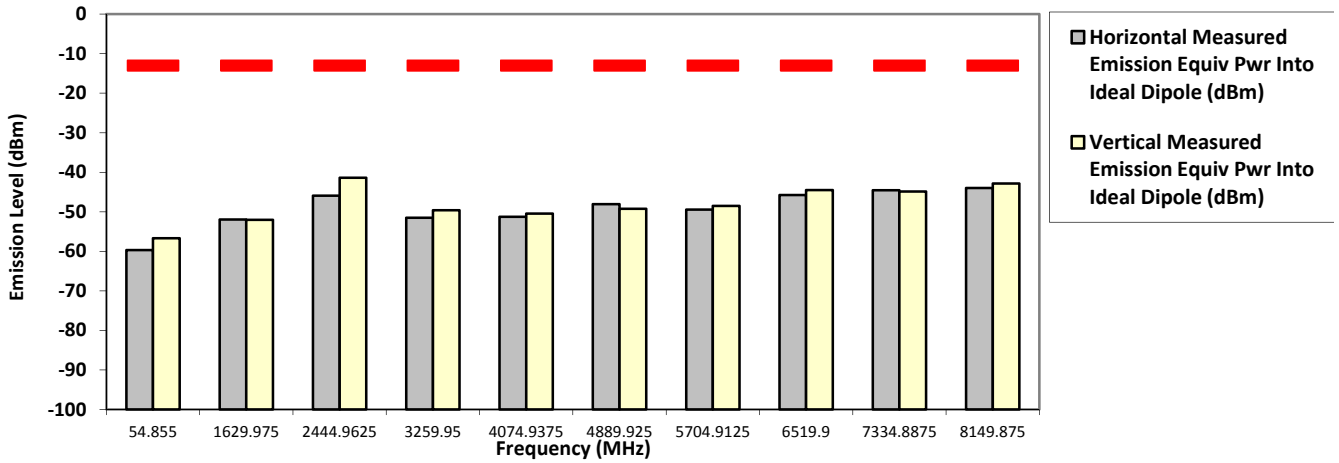
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
814.987500 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)
54.8550	-13.0000	-59.6700 *	-56.7000 *
1629.9750	-13.0000	-51.9600 *	-52.0200 *
2444.9625	-13.0000	-45.9100 *	-41.3800 *
3259.9500	-13.0000	-51.4991 **	-49.6044 **
4074.9375	-13.0000	-51.2794 **	-50.4702 **
4889.9250	-13.0000	-48.0738 **	-49.2254 **
5704.9125	-13.0000	-49.4553 **	-48.5036 **
6519.9000	-13.0000	-45.7580 **	-44.5065 **
7334.8875	-13.0000	-44.5621 **	-44.8725 **
8149.8750	-13.0000	-43.9920 **	-42.8336 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

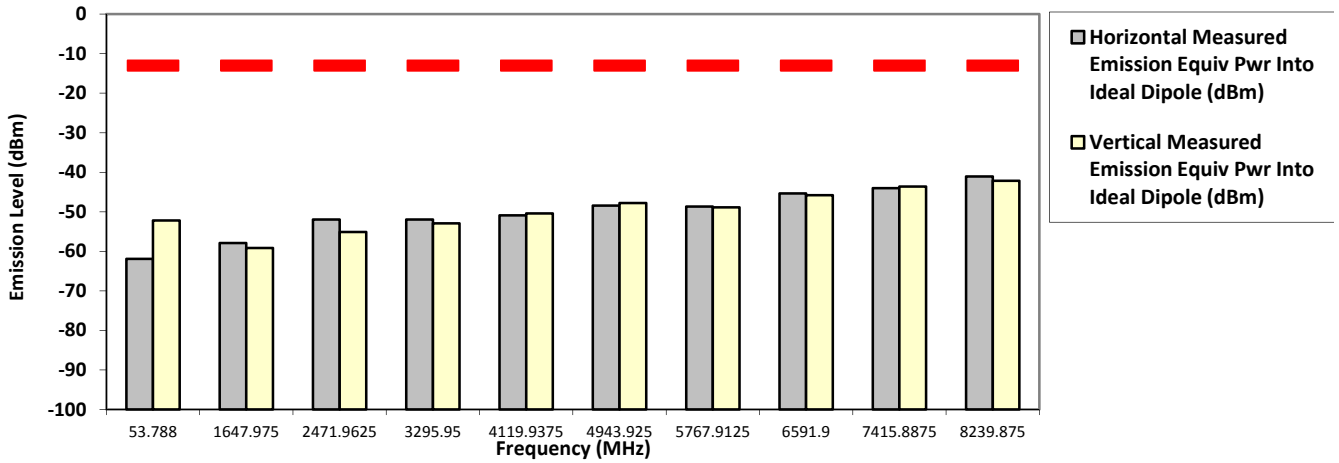
Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
823.987500 MHz **12.5 kHz** **3.000 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)
53.7880	-13.0000	-61.9200 *	-52.2000 *
1647.9750	-13.0000	-57.9030 **	-59.1401 **
2471.9625	-13.0000	-51.9445 **	-55.0952 **
3295.9500	-13.0000	-51.9428 **	-52.9140 **
4119.9375	-13.0000	-50.9042 **	-50.4013 **
4943.9250	-13.0000	-48.4357 **	-47.8004 **
5767.9125	-13.0000	-48.6885 **	-48.8654 **
6591.9000	-13.0000	-45.3559 **	-45.7822 **
7415.8875	-13.0000	-43.9998 **	-43.6115 **
8239.8750	-13.0000	-41.0631 **	-42.1619 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

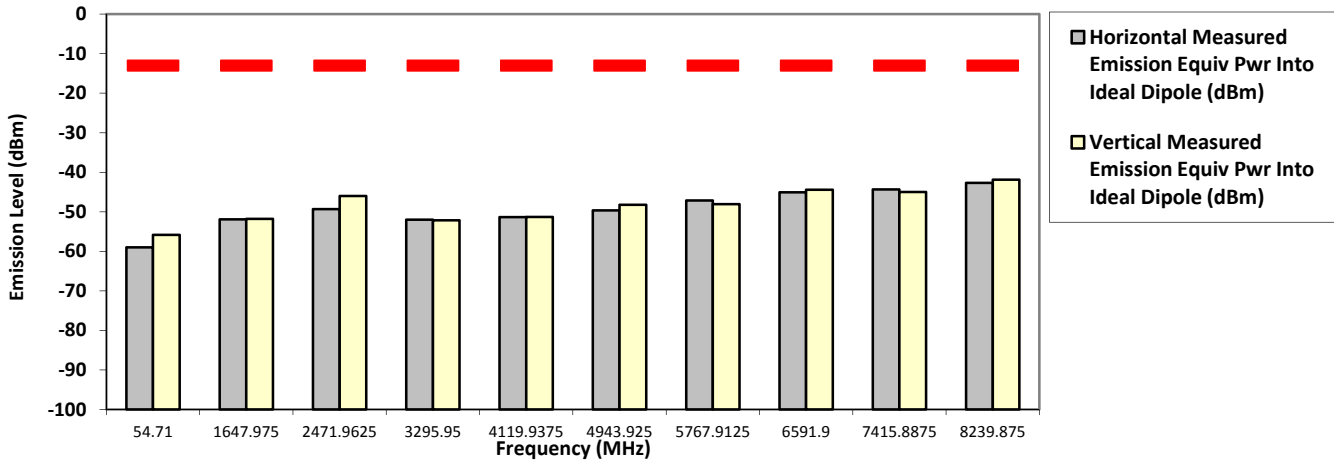
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.7100	-13.0000	-59.0000 *	-55.8200 *
1647.9750	-13.0000	-51.9200 *	-51.7800 *
2471.9625	-13.0000	-49.3200 *	-46.0100 *
3295.9500	-13.0000	-51.9741 **	-52.1433 **
4119.9375	-13.0000	-51.3492 **	-51.3140 **
4943.9250	-13.0000	-49.6300 **	-48.2263 **
5767.9125	-13.0000	-47.1527 **	-48.0613 **
6591.9000	-13.0000	-45.0805 **	-44.4310 **
7415.8875	-13.0000	-44.3612 **	-44.9884 **
8239.8750	-13.0000	-42.7016 **	-41.8598 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

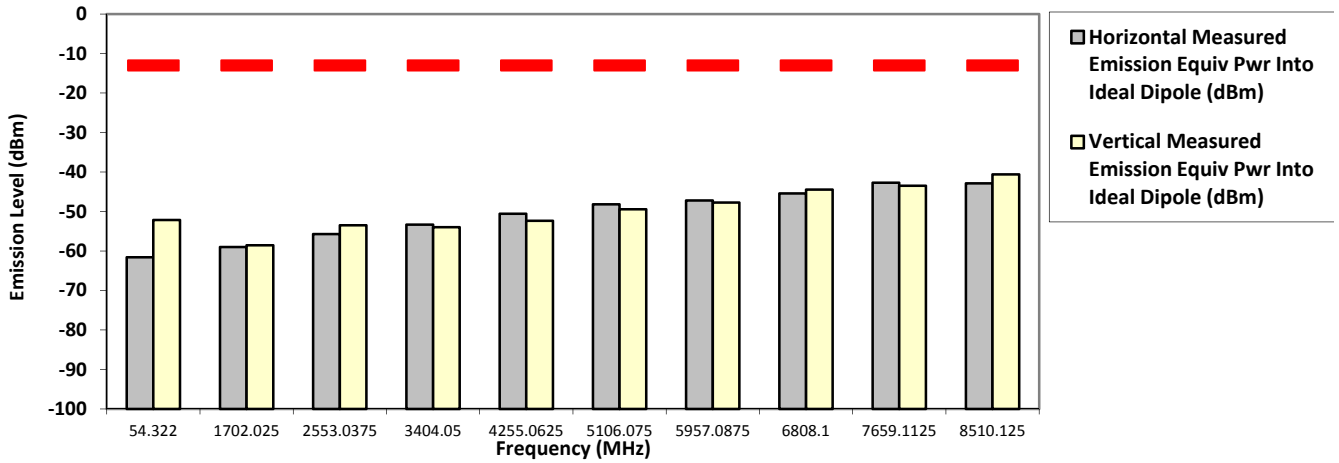
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

851.012500 MHz **12.5 kHz** **3.000 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)
54.3220	-13.0000	-61.6100 *	-52.1500 *
1702.0250	-13.0000	-58.9914 **	-58.5717 **
2553.0375	-13.0000	-55.7341 **	-53.4755 **
3404.0500	-13.0000	-53.3522 **	-53.9787 **
4255.0625	-13.0000	-50.5718 **	-52.3508 **
5106.0750	-13.0000	-48.1888 **	-49.4386 **
5957.0875	-13.0000	-47.2161 **	-47.7369 **
6808.1000	-13.0000	-45.4312 **	-44.4710 **
7659.1125	-13.0000	-42.7230 **	-43.4957 **
8510.1250	-13.0000	-42.8732 **	-40.6017 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

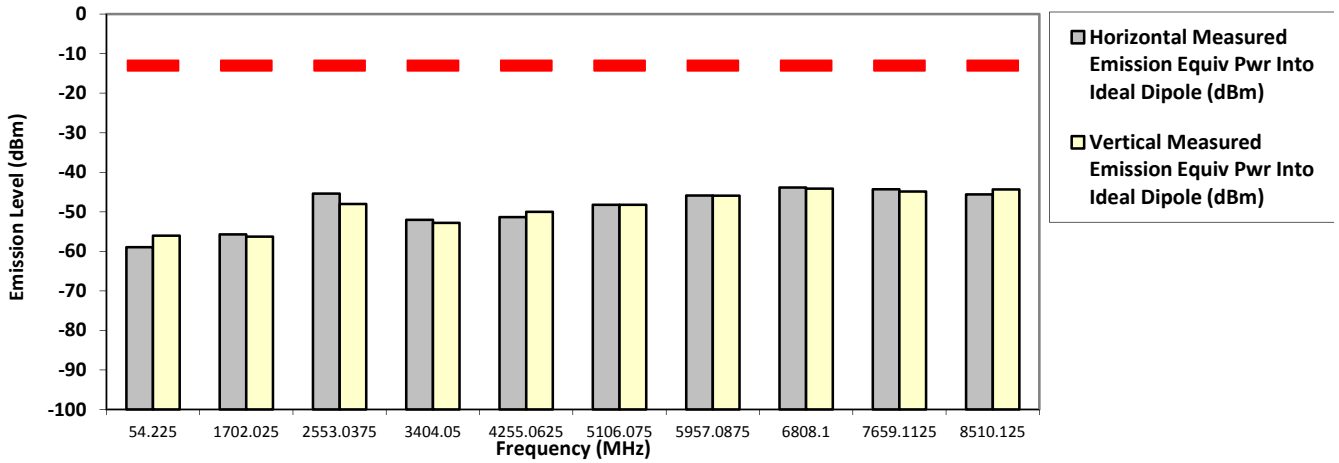
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
851.012500 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)
54.2250	-13.0000	-58.9600 *	-56.0400 *
1702.0250	-13.0000	-55.7129 **	-56.2739 **
2553.0375	-13.0000	-45.3900 *	-48.0100 *
3404.0500	-13.0000	-52.0346 **	-52.7924 **
4255.0625	-13.0000	-51.3600 **	-50.0056 **
5106.0750	-13.0000	-48.2216 **	-48.2437 **
5957.0875	-13.0000	-45.8691 **	-45.9080 **
6808.1000	-13.0000	-43.8758 **	-44.1297 **
7659.1125	-13.0000	-44.3151 **	-44.8870 **
8510.1250	-13.0000	-45.5961 **	-44.3461 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

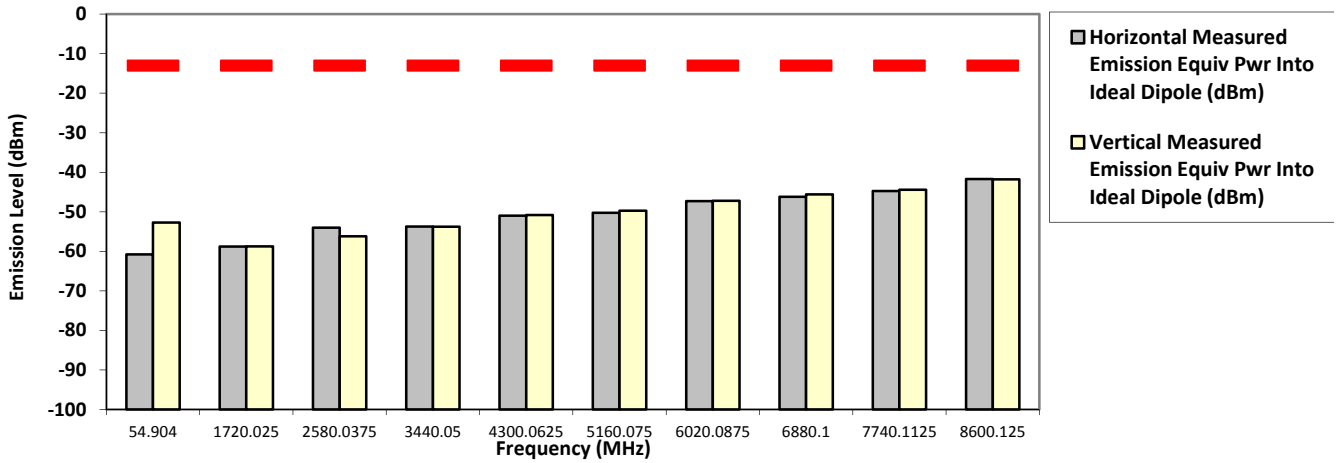
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

860.012500 MHz **12.5 kHz** **3.000 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)
54.9040	-13.0000	-60.7500 *	-52.7300 *
1720.0250	-13.0000	-58.7721 **	-58.7439 **
2580.0375	-13.0000	-54.0312 **	-56.1935 **
3440.0500	-13.0000	-53.7116 **	-53.7585 **
4300.0625	-13.0000	-50.9910 **	-50.8138 **
5160.0750	-13.0000	-50.2495 **	-49.7046 **
6020.0875	-13.0000	-47.3087 **	-47.2342 **
6880.1000	-13.0000	-46.2010 **	-45.5962 **
7740.1125	-13.0000	-44.7405 **	-44.4135 **
8600.1250	-13.0000	-41.7078 **	-41.7895 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

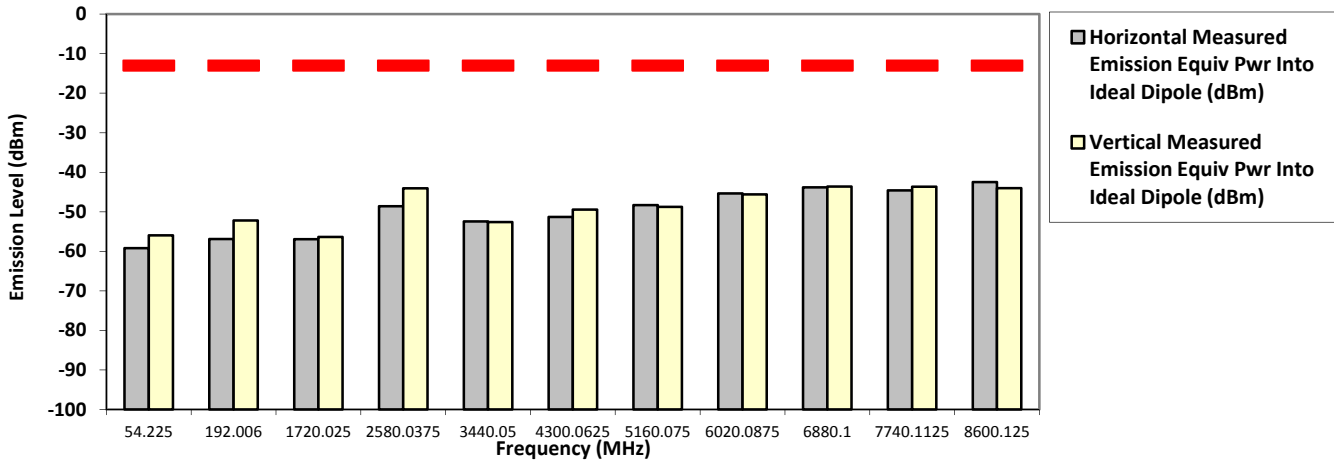
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.2250	-13.0000	-59.2100 *	-55.9400 *
192.0060	-13.0000	-56.8800 *	-52.1900 *
1720.0250	-13.0000	-56.9181 **	-56.3514 **
2580.0375	-13.0000	-48.6000 *	-44.0700 *
3440.0500	-13.0000	-52.4409 **	-52.5849 **
4300.0625	-13.0000	-51.3109 **	-49.4324 **
5160.0750	-13.0000	-48.3005 **	-48.7403 **
6020.0875	-13.0000	-45.3494 **	-45.6060 **
6880.1000	-13.0000	-43.8116 **	-43.5974 **
7740.1125	-13.0000	-44.5994 **	-43.6417 **
8600.1250	-13.0000	-42.4984 **	-44.0006 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	**Marginal Results**	**Failed Results**

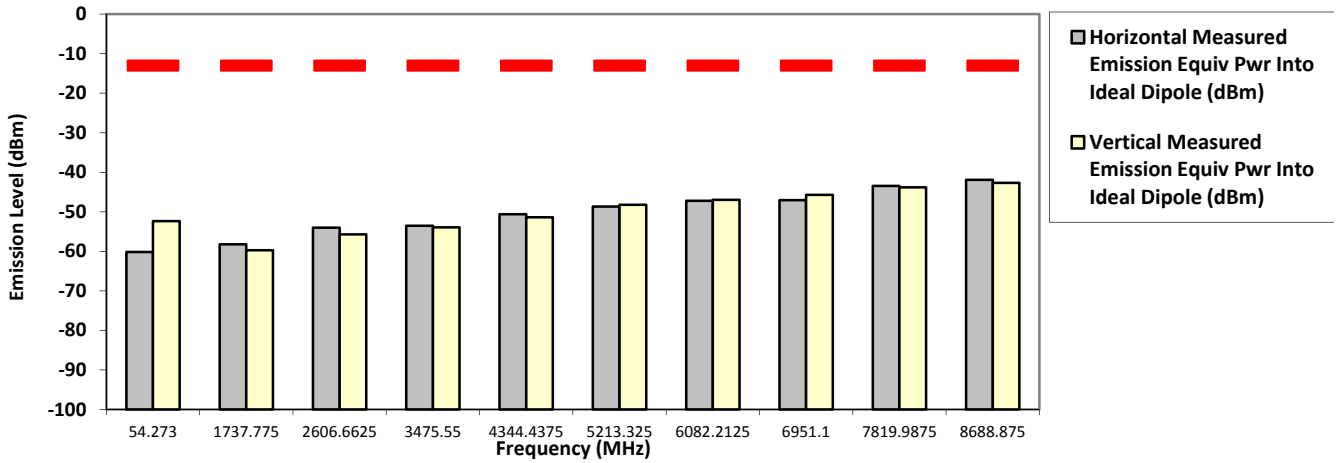
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

868.887500 MHz **12.5 kHz** **3.000 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)
54.2730	-13.0000	-60.1800 *	-52.3600 *
1737.7750	-13.0000	-58.2041 **	-59.7266 **
2606.6625	-13.0000	-54.0121 **	-55.7121 **
3475.5500	-13.0000	-53.5446 **	-53.9485 **
4344.4375	-13.0000	-50.5974 **	-51.3832 **
5213.3250	-13.0000	-48.6854 **	-48.2160 **
6082.2125	-13.0000	-47.1969 **	-46.9862 **
6951.1000	-13.0000	-47.0447 **	-45.7037 **
7819.9875	-13.0000	-43.4382 **	-43.8102 **
8688.8750	-13.0000	-41.9202 **	-42.6971 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

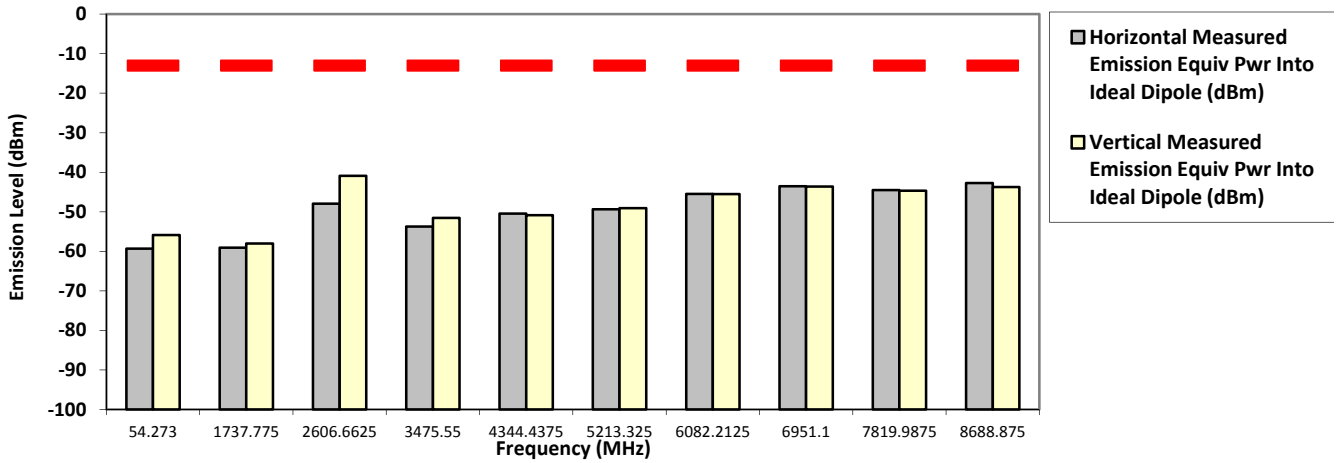
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.2730	-13.0000	-59.3100 *	-55.8700 *
1737.7750	-13.0000	-59.0528 **	-57.9989 **
2606.6625	-13.0000	-47.9300 *	-40.8900 *
3475.5500	-13.0000	-53.7290 **	-51.5523 **
4344.4375	-13.0000	-50.4544 **	-50.8524 **
5213.3250	-13.0000	-49.3750 **	-49.0620 **
6082.2125	-13.0000	-45.4698 **	-45.5149 **
6951.1000	-13.0000	-43.5493 **	-43.6278 **
7819.9875	-13.0000	-44.4916 **	-44.6452 **
8688.8750	-13.0000	-42.7328 **	-43.7267 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

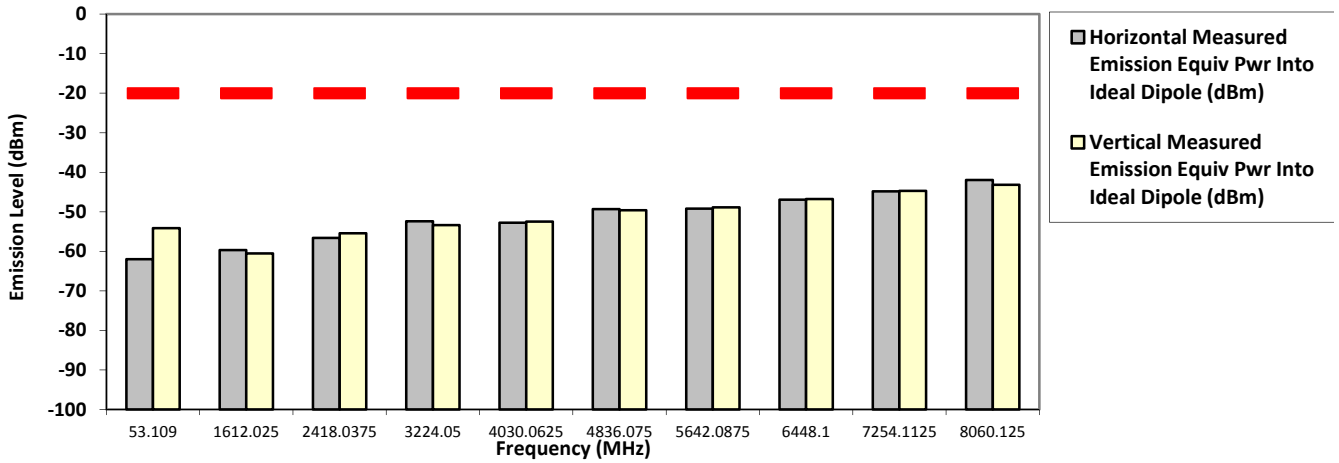
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

806.012500 MHz **12.5 kHz** **3.000 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)
53.1090	-20.0000	-61.9800 *	-54.1200 *
1612.0250	-20.0000	-59.6760 **	-60.5431 **
2418.0375	-20.0000	-56.6043 **	-55.4398 **
3224.0500	-20.0000	-52.4038 **	-53.3731 **
4030.0625	-20.0000	-52.7453 **	-52.4877 **
4836.0750	-20.0000	-49.3304 **	-49.6081 **
5642.0875	-20.0000	-49.1772 **	-48.8843 **
6448.1000	-20.0000	-46.9255 **	-46.7836 **
7254.1125	-20.0000	-44.8259 **	-44.7242 **
8060.1250	-20.0000	-41.9387 **	-43.1701 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

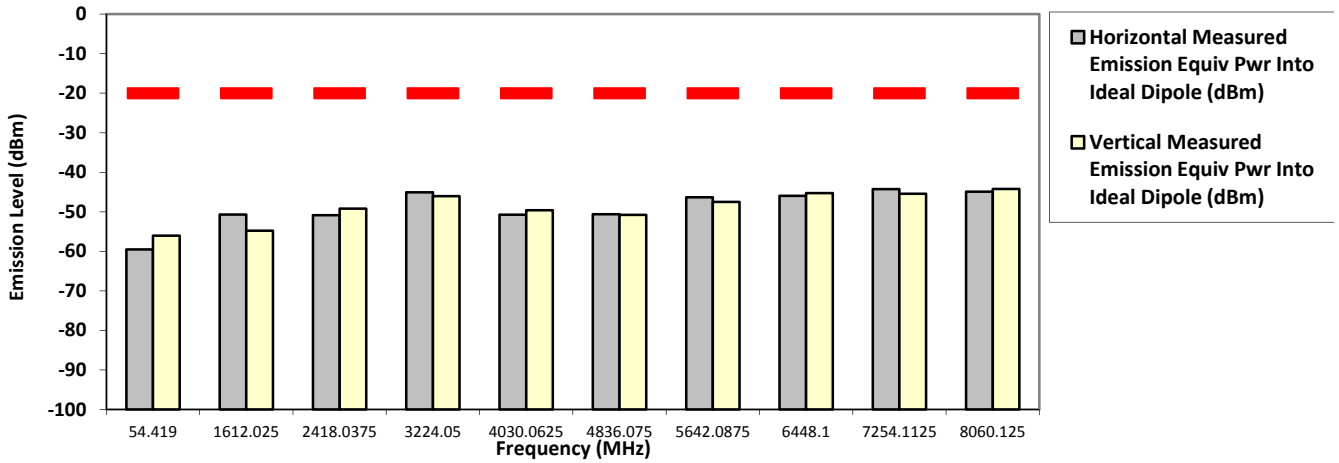
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.4190	-20.0000	-59.5300 *	-56.0300 *
1612.0250	-20.0000	-50.7000 *	-54.7800 *
2418.0375	-20.0000	-50.8400 *	-49.1800 *
3224.0500	-20.0000	-45.0600 *	-46.0500 *
4030.0625	-20.0000	-50.7389 **	-49.6004 **
4836.0750	-20.0000	-50.6212 **	-50.7786 **
5642.0875	-20.0000	-46.3428 **	-47.4818 **
6448.1000	-20.0000	-45.9452 **	-45.2605 **
7254.1125	-20.0000	-44.2513 **	-45.4507 **
8060.1250	-20.0000	-44.9159 **	-44.2238 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

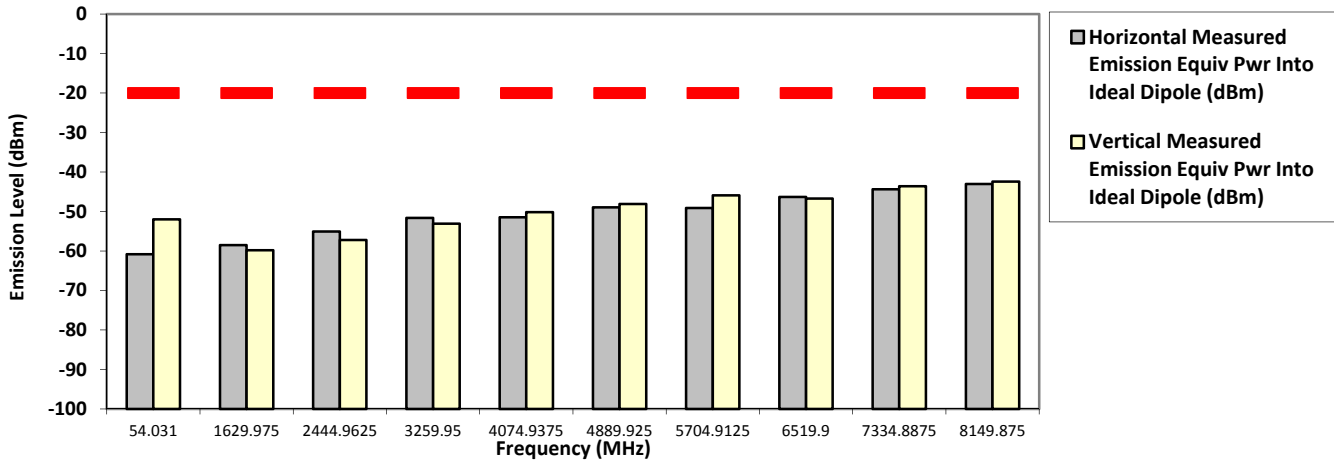
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
814.987500 MHz **12.5 kHz** **3.000 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)
54.0310	-20.0000	-60.8100 *	-51.9800 *
1629.9750	-20.0000	-58.5223 **	-59.8211 **
2444.9625	-20.0000	-55.0750 **	-57.2309 **
3259.9500	-20.0000	-51.6384 **	-53.1012 **
4074.9375	-20.0000	-51.4706 **	-50.1657 **
4889.9250	-20.0000	-48.9390 **	-48.1071 **
5704.9125	-20.0000	-49.1251 **	-45.9344 **
6519.9000	-20.0000	-46.3335 **	-46.7198 **
7334.8875	-20.0000	-44.3650 **	-43.6042 **
8149.8750	-20.0000	-43.0360 **	-42.4541 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

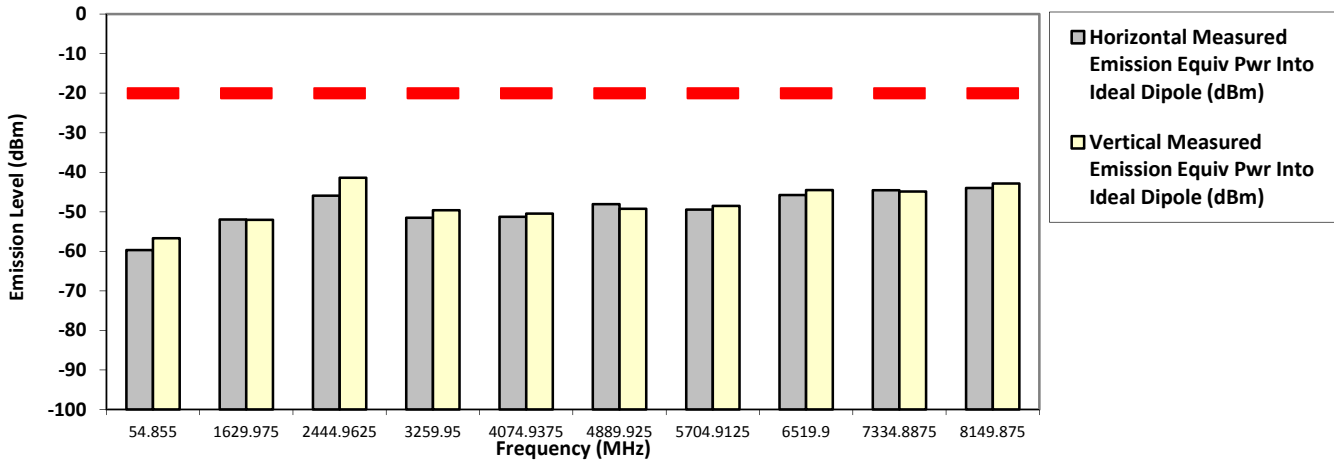
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
814.987500 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)
54.8550	-20.0000	-59.6700 *	-56.7000 *
1629.9750	-20.0000	-51.9600 *	-52.0200 *
2444.9625	-20.0000	-45.9100 *	-41.3800 *
3259.9500	-20.0000	-51.4991 **	-49.6044 **
4074.9375	-20.0000	-51.2794 **	-50.4702 **
4889.9250	-20.0000	-48.0738 **	-49.2254 **
5704.9125	-20.0000	-49.4553 **	-48.5036 **
6519.9000	-20.0000	-45.7580 **	-44.5065 **
7334.8875	-20.0000	-44.5621 **	-44.8725 **
8149.8750	-20.0000	-43.9920 **	-42.8336 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

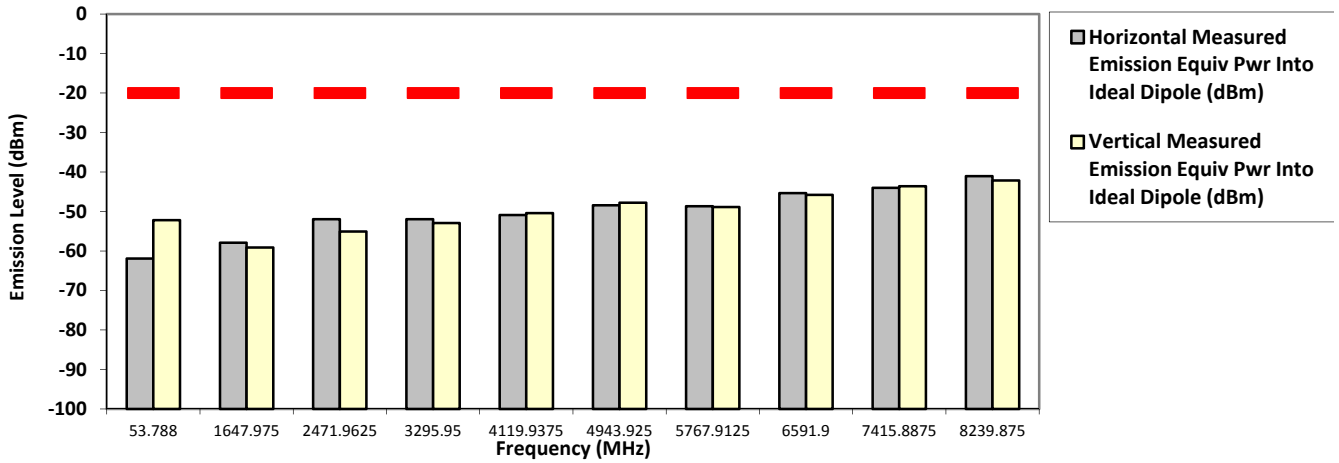
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

823.987500 MHz **12.5 kHz** **3.000 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)
53.7880	-20.0000	-61.9200 *	-52.2000 *
1647.9750	-20.0000	-57.9030 **	-59.1401 **
2471.9625	-20.0000	-51.9445 **	-55.0952 **
3295.9500	-20.0000	-51.9428 **	-52.9140 **
4119.9375	-20.0000	-50.9042 **	-50.4013 **
4943.9250	-20.0000	-48.4357 **	-47.8004 **
5767.9125	-20.0000	-48.6885 **	-48.8654 **
6591.9000	-20.0000	-45.3559 **	-45.7822 **
7415.8875	-20.0000	-43.9998 **	-43.6115 **
8239.8750	-20.0000	-41.0631 **	-42.1619 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

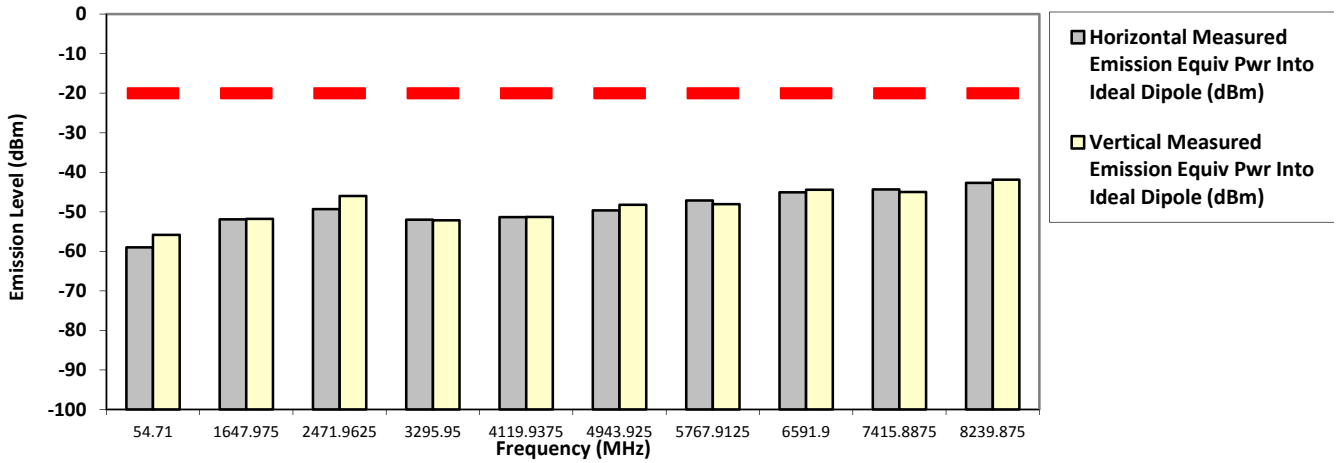
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.7100	-20.0000	-59.0000 *	-55.8200 *
1647.9750	-20.0000	-51.9200 *	-51.7800 *
2471.9625	-20.0000	-49.3200 *	-46.0100 *
3295.9500	-20.0000	-51.9741 **	-52.1433 **
4119.9375	-20.0000	-51.3492 **	-51.3140 **
4943.9250	-20.0000	-49.6300 **	-48.2263 **
5767.9125	-20.0000	-47.1527 **	-48.0613 **
6591.9000	-20.0000	-45.0805 **	-44.4310 **
7415.8875	-20.0000	-44.3612 **	-44.9884 **
8239.8750	-20.0000	-42.7016 **	-41.8598 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

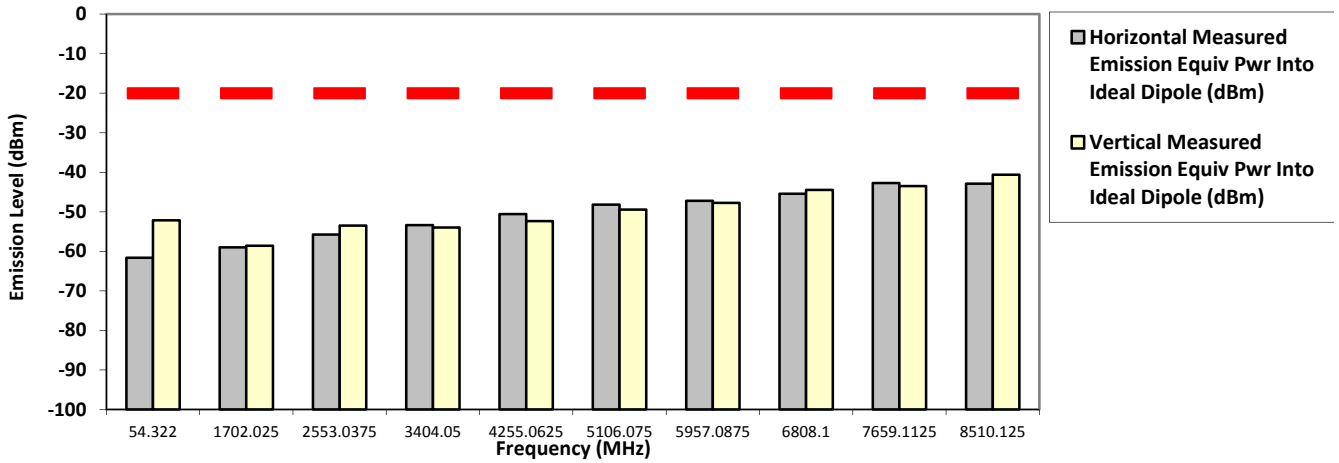
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
851.012500 MHz **12.5 kHz** **3.000 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)
54.3220	-20.0000	-61.6100 *	-52.1500 *
1702.0250	-20.0000	-58.9914 **	-58.5717 **
2553.0375	-20.0000	-55.7341 **	-53.4755 **
3404.0500	-20.0000	-53.3522 **	-53.9787 **
4255.0625	-20.0000	-50.5718 **	-52.3508 **
5106.0750	-20.0000	-48.1888 **	-49.4386 **
5957.0875	-20.0000	-47.2161 **	-47.7369 **
6808.1000	-20.0000	-45.4312 **	-44.4710 **
7659.1125	-20.0000	-42.7230 **	-43.4957 **
8510.1250	-20.0000	-42.8732 **	-40.6017 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

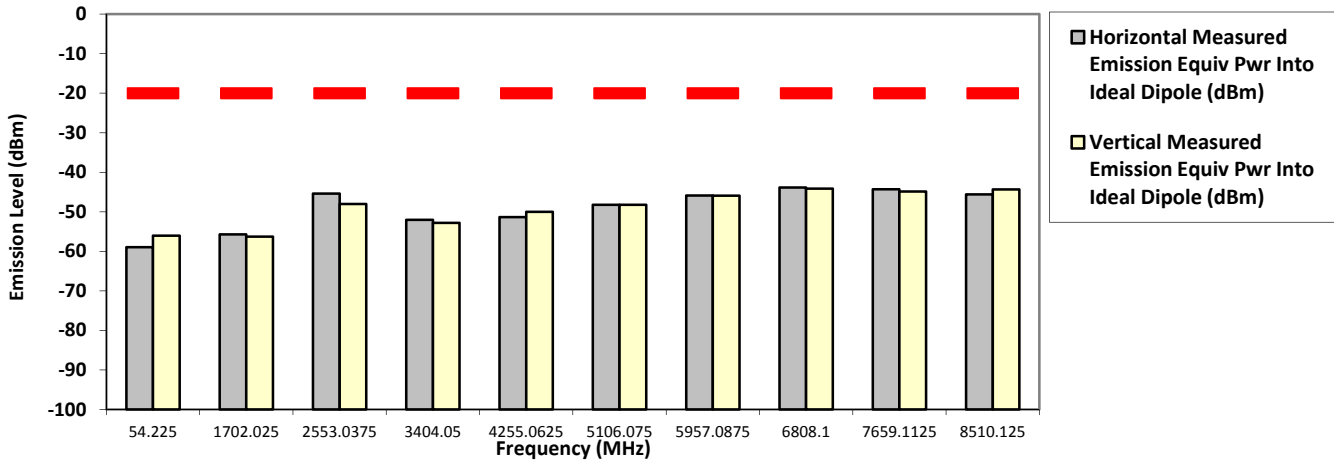
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
851.012500 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)
54.2250	-20.0000	-58.9600 *	-56.0400 *
1702.0250	-20.0000	-55.7129 **	-56.2739 **
2553.0375	-20.0000	-45.3900 *	-48.0100 *
3404.0500	-20.0000	-52.0346 **	-52.7924 **
4255.0625	-20.0000	-51.3600 **	-50.0056 **
5106.0750	-20.0000	-48.2216 **	-48.2437 **
5957.0875	-20.0000	-45.8691 **	-45.9080 **
6808.1000	-20.0000	-43.8758 **	-44.1297 **
7659.1125	-20.0000	-44.3151 **	-44.8870 **
8510.1250	-20.0000	-45.5961 **	-44.3461 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

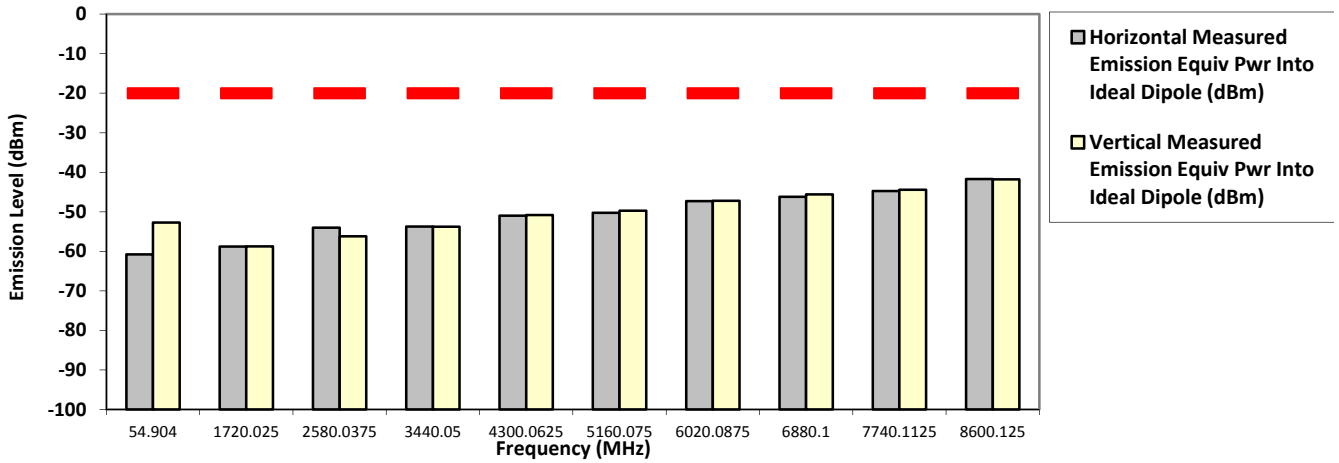
SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM

860.012500 MHz **12.5 kHz** **3.000 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)
54.9040	-20.0000	-60.7500 *	-52.7300 *
1720.0250	-20.0000	-58.7721 **	-58.7439 **
2580.0375	-20.0000	-54.0312 **	-56.1935 **
3440.0500	-20.0000	-53.7116 **	-53.7585 **
4300.0625	-20.0000	-50.9910 **	-50.8138 **
5160.0750	-20.0000	-50.2495 **	-49.7046 **
6020.0875	-20.0000	-47.3087 **	-47.2342 **
6880.1000	-20.0000	-46.2010 **	-45.5962 **
7740.1125	-20.0000	-44.7405 **	-44.4135 **
8600.1250	-20.0000	-41.7078 **	-41.7895 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

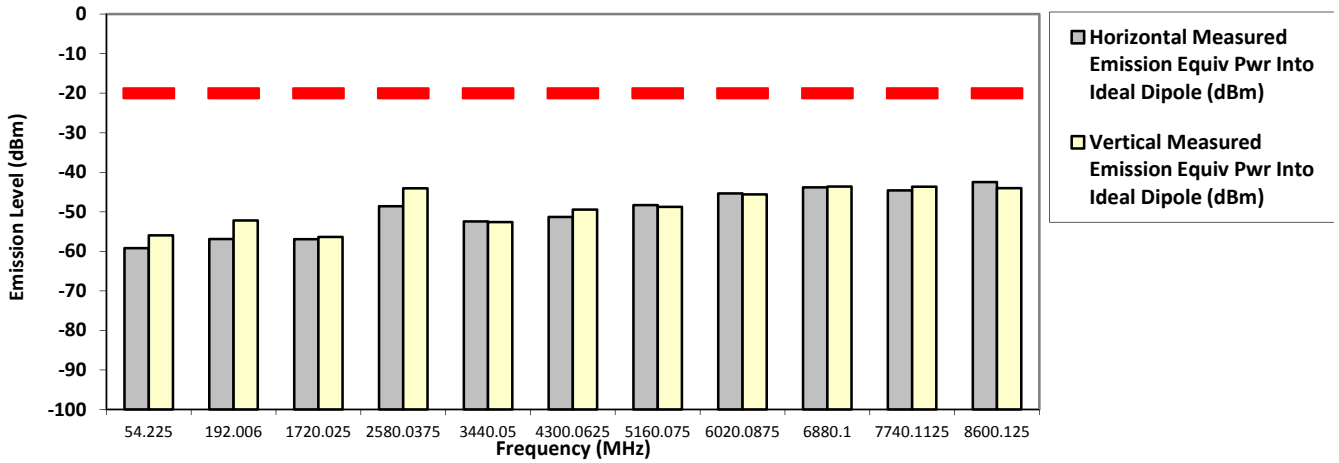
System MU: 5.01 dB

Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital
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)
54.2250	-20.0000	-59.2100 *	-55.9400 *
192.0060	-20.0000	-56.8800 *	-52.1900 *
1720.0250	-20.0000	-56.9181 **	-56.3514 **
2580.0375	-20.0000	-48.6000 *	-44.0700 *
3440.0500	-20.0000	-52.4409 **	-52.5849 **
4300.0625	-20.0000	-51.3109 **	-49.4324 **
5160.0750	-20.0000	-48.3005 **	-48.7403 **
6020.0875	-20.0000	-45.3494 **	-45.6060 **
6880.1000	-20.0000	-43.8116 **	-43.5974 **
7740.1125	-20.0000	-44.5994 **	-43.6417 **
8600.1250	-20.0000	-42.4984 **	-44.0006 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

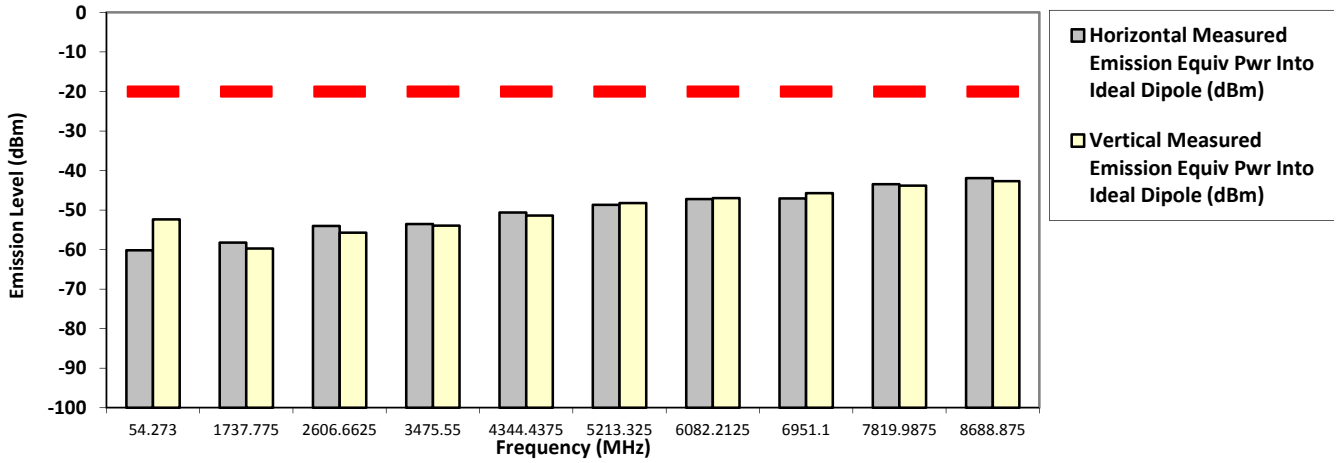
Remarks:	Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital C4FM
868.887500 MHz **12.5 kHz** **3.000 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)
54.2730	-20.0000	-60.1800 *	-52.3600 *
1737.7750	-20.0000	-58.2041 **	-59.7266 **
2606.6625	-20.0000	-54.0121 **	-55.7121 **
3475.5500	-20.0000	-53.5446 **	-53.9485 **
4344.4375	-20.0000	-50.5974 **	-51.3832 **
5213.3250	-20.0000	-48.6854 **	-48.2160 **
6082.2125	-20.0000	-47.1969 **	-46.9862 **
6951.1000	-20.0000	-47.0447 **	-45.7037 **
7819.9875	-20.0000	-43.4382 **	-43.8102 **
8688.8750	-20.0000	-41.9202 **	-42.6971 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

System MU: 5.01 dB

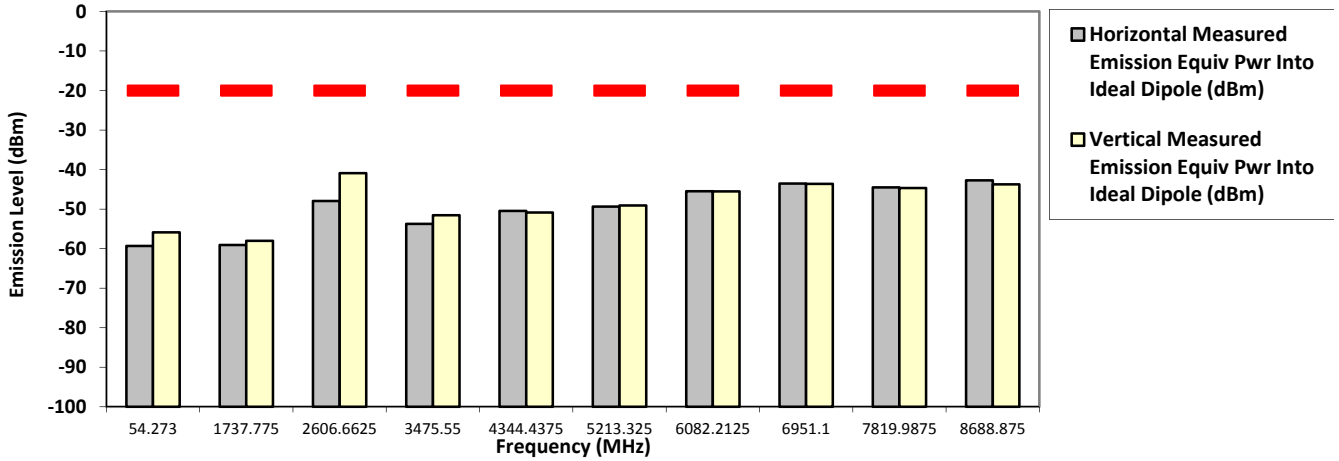
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital
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)
54.2730	-20.0000	-59.3100 *	-55.8700 *
1737.7750	-20.0000	-59.0528 **	-57.9989 **
2606.6625	-20.0000	-47.9300 *	-40.8900 *
3475.5500	-20.0000	-53.7290 **	-51.5523 **
4344.4375	-20.0000	-50.4544 **	-50.8524 **
5213.3250	-20.0000	-49.3750 **	-49.0620 **
6082.2125	-20.0000	-45.4698 **	-45.5149 **
6951.1000	-20.0000	-43.5493 **	-43.6278 **
7819.9875	-20.0000	-44.4916 **	-44.6452 **
8688.8750	-20.0000	-42.7328 **	-43.7267 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:

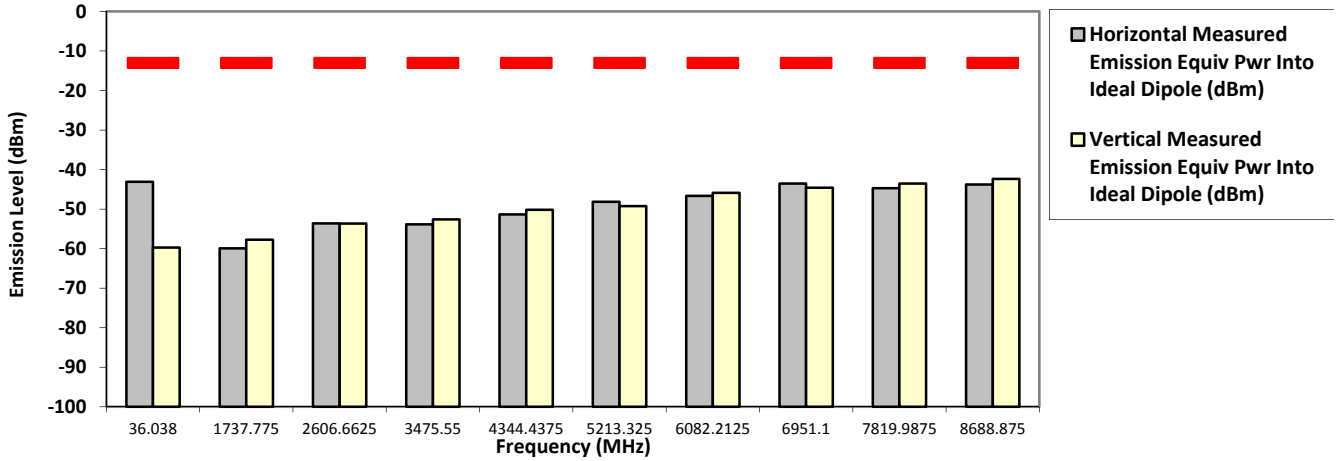
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3308** **SR:14913-EMC-00048**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PHCN4000E-C5, PHLN1002A-C2, HKN6164B-CF1, 657-HKN6188B, PMUN1083A-C3**
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)
36.0380	-13.0000	-43.0900 *	-59.7200 *
1737.7750	-13.0000	-59.9332 **	-57.7499 **
2606.6625	-13.0000	-53.5998 **	-53.6331 **
3475.5500	-13.0000	-53.8661 **	-52.6130 **
4344.4375	-13.0000	-51.3235 **	-50.1573 **
5213.3250	-13.0000	-48.1291 **	-49.2541 **
6082.2125	-13.0000	-46.6286 **	-45.8975 **
6951.1000	-13.0000	-43.5168 **	-44.6003 **
7819.9875	-13.0000	-44.7070 **	-43.5248 **
8688.8750	-13.0000	-43.7876 **	-42.3608 **

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: Azil, Faris & Aiman **Sat, Apr 27, 2019**

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): 22.5 Hum(%RH): 69.3

System MU: 4.9 dB

Remarks:

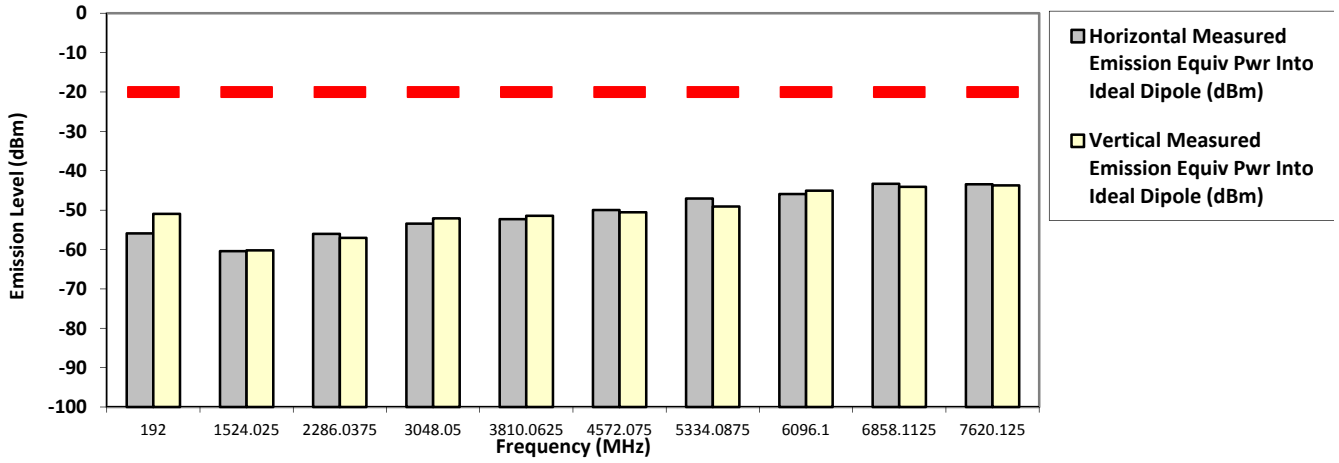
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN S/N: 471TVF3361 SR:14913-EMC-00028
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF2, PMUN1057B-CF1, HKN6164B-CF1, 657-HKN6188B, PMUF1969A, PMUN1083A-CF2
Test Mode: TX APCO Digital C4FM
762.012500 MHz 12.5 kHz 36.000 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)
192.0000	-20.0000	-55.9100 *	-50.9400 *
1524.0250	-20.0000	-60.4225 **	-60.2107 **
2286.0375	-20.0000	-56.0161 **	-57.0382 **
3048.0500	-20.0000	-53.4358 **	-52.0823 **
3810.0625	-20.0000	-52.2821 **	-51.4365 **
4572.0750	-20.0000	-49.9851 **	-50.5407 **
5334.0875	-20.0000	-47.0643 **	-49.0968 **
6096.1000	-20.0000	-45.9337 **	-45.0823 **
6858.1125	-20.0000	-43.3341 **	-44.0833 **
7620.1250	-20.0000	-43.4584 **	-43.7341 **

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: Azil, Faris & Aiman Sat, Apr 27, 2019

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): 22.5 Hum(%RH): 69.3

System MU: 4.9 dB

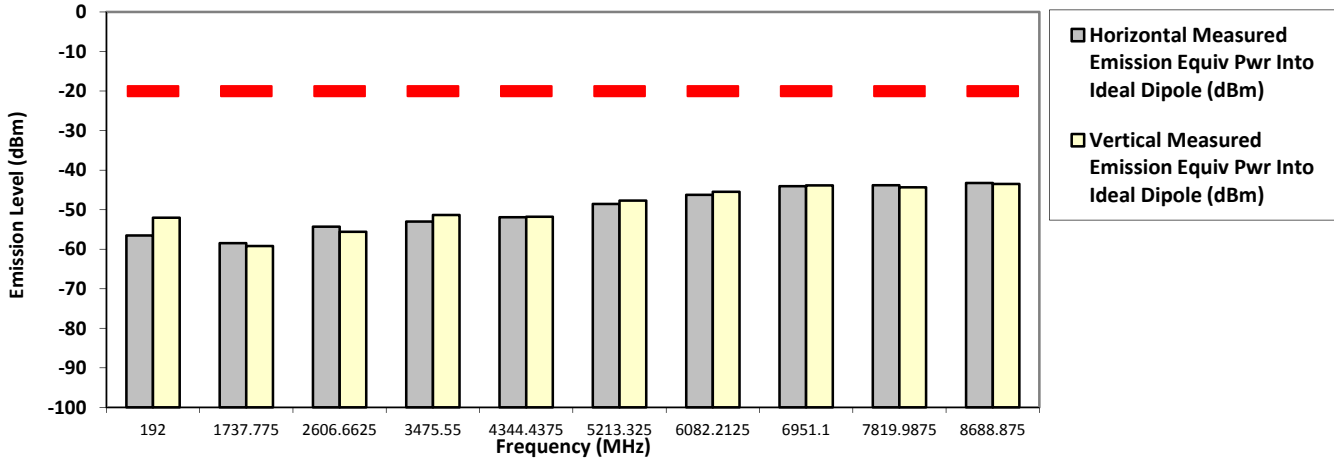
Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3361 SR:14913-EMC-00028
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF2, PMUN1057B-CF1, HKN6164B-CF1, 657-HKN6188B, PMUF1969A, PMUN1083A-CF2
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)
192.0000	-20.0000	-56.5300 *	-52.0200 *
1737.7750	-20.0000	-58.4640 **	-59.1925 **
2606.6625	-20.0000	-54.2908 **	-55.5866 **
3475.5500	-20.0000	-52.9872 **	-51.3295 **
4344.4375	-20.0000	-51.8975 **	-51.8004 **
5213.3250	-20.0000	-48.5681 **	-47.7062 **
6082.2125	-20.0000	-46.2422 **	-45.4795 **
6951.1000	-20.0000	-44.0490 **	-43.8524 **
7819.9875	-20.0000	-43.8012 **	-44.3310 **
8688.8750	-20.0000	-43.2505 **	-43.4922 **

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: Azil, Faris & Aiman Sat, Apr 27, 2019

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): 22.5 Hum(%RH): 69.3

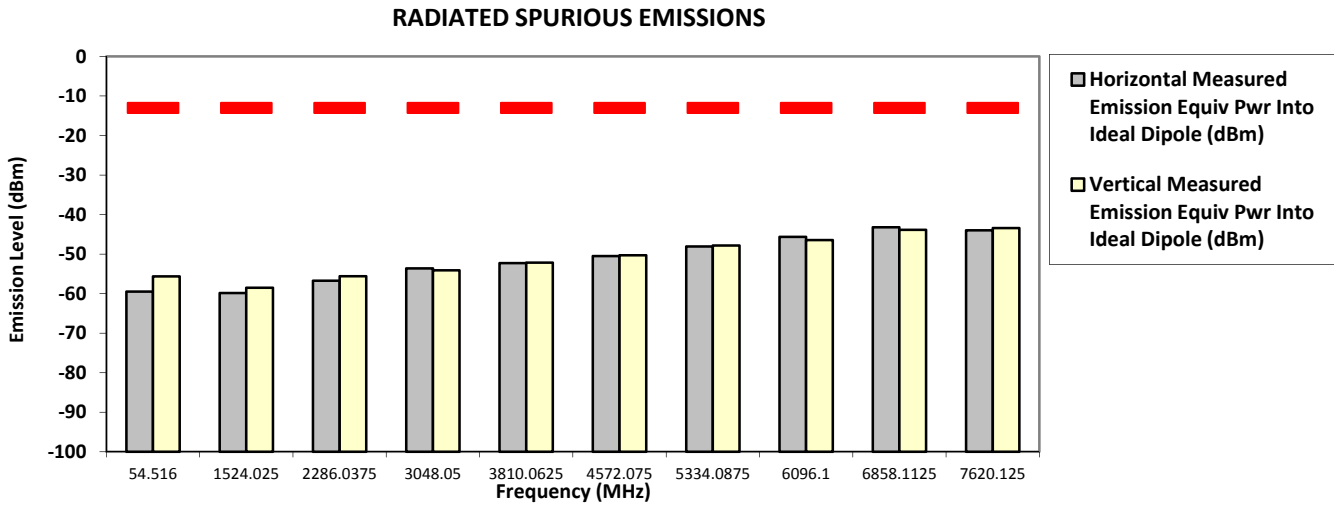
System MU: 4.9 dB

Remarks:	Passed Results	**Marginal Results**	**Failed Results**

6.11.3. Test Result (Phase 2)

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital Phase II
762.012500 MHz 12.5 kHz 3.000 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)
54.5160	-13.0000	-59.4600 *	-55.6200 *
1524.0250	-13.0000	-59.8353 **	-58.4871 **
2286.0375	-13.0000	-56.7436 **	-55.6066 **
3048.0500	-13.0000	-53.6042 **	-54.1019 **
3810.0625	-13.0000	-52.2622 **	-52.1639 **
4572.0750	-13.0000	-50.5086 **	-50.3051 **
5334.0875	-13.0000	-48.0717 **	-47.8120 **
6096.1000	-13.0000	-45.6555 **	-46.4377 **
6858.1125	-13.0000	-43.2230 **	-43.8475 **
7620.1250	-13.0000	-43.9584 **	-43.4155 **



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: Azil, Faris & Aiman Tue, Apr 23, 2019

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): 22.7 Hum(%RH): 70.5

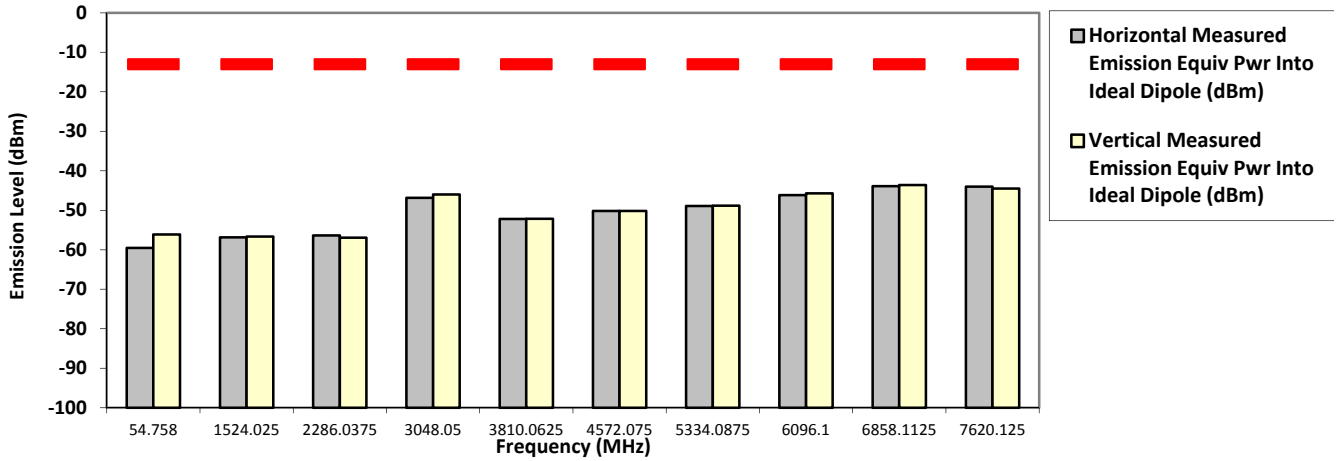
System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 SR:14913-EMC-00025
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1
Test Mode: TX APCO Digital Phase II
762.012500 MHz 12.5 kHz 36.000 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)
54.7580	-13.0000	-59.5500 *	-56.1400 *
1524.0250	-13.0000	-56.8430 **	-56.6653 **
2286.0375	-13.0000	-56.3566 **	-56.9196 **
3048.0500	-13.0000	-46.8400 *	-45.9900 *
3810.0625	-13.0000	-52.1861 **	-52.1390 **
4572.0750	-13.0000	-50.1855 **	-50.1574 **
5334.0875	-13.0000	-48.9368 **	-48.8536 **
6096.1000	-13.0000	-46.1431 **	-45.7351 **
6858.1125	-13.0000	-43.8878 **	-43.5942 **
7620.1250	-13.0000	-43.9953 **	-44.4927 **

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: Azil, Faris & Aiman Sun, Apr 21, 2019

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

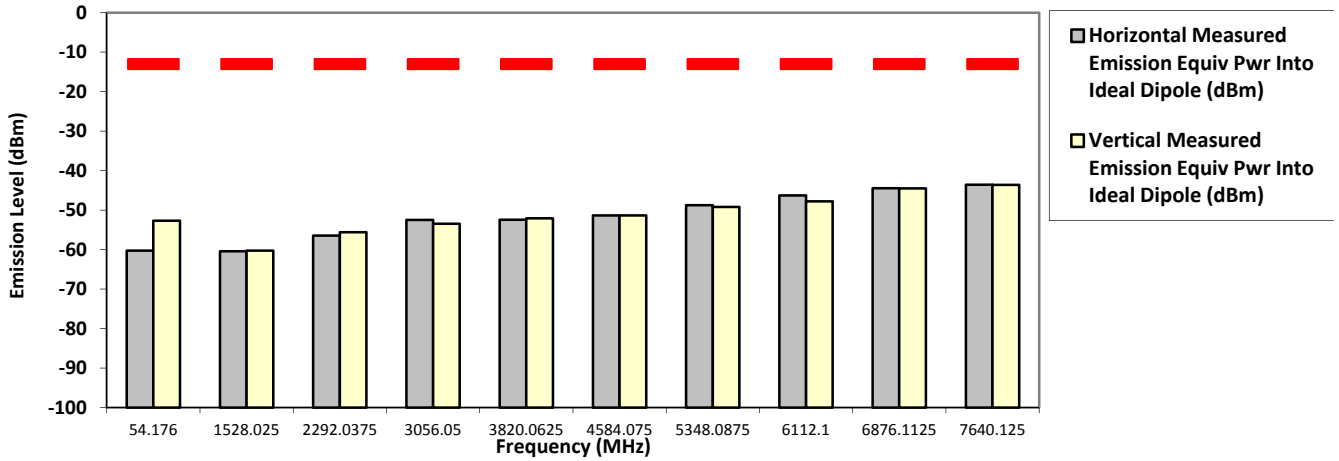
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

764.012500 MHz **12.5 kHz** **3.000 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)
54.1760	-13.0000	-60.2800 *	-52.6800 *
1528.0250	-13.0000	-60.4034 **	-60.2608 **
2292.0375	-13.0000	-56.4504 **	-55.5972 **
3056.0500	-13.0000	-52.5022 **	-53.4640 **
3820.0625	-13.0000	-52.4216 **	-52.0755 **
4584.0750	-13.0000	-51.3362 **	-51.3550 **
5348.0875	-13.0000	-48.7501 **	-49.2115 **
6112.1000	-13.0000	-46.2870 **	-47.7871 **
6876.1125	-13.0000	-44.4513 **	-44.4884 **
7640.1250	-13.0000	-43.5487 **	-43.6260 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

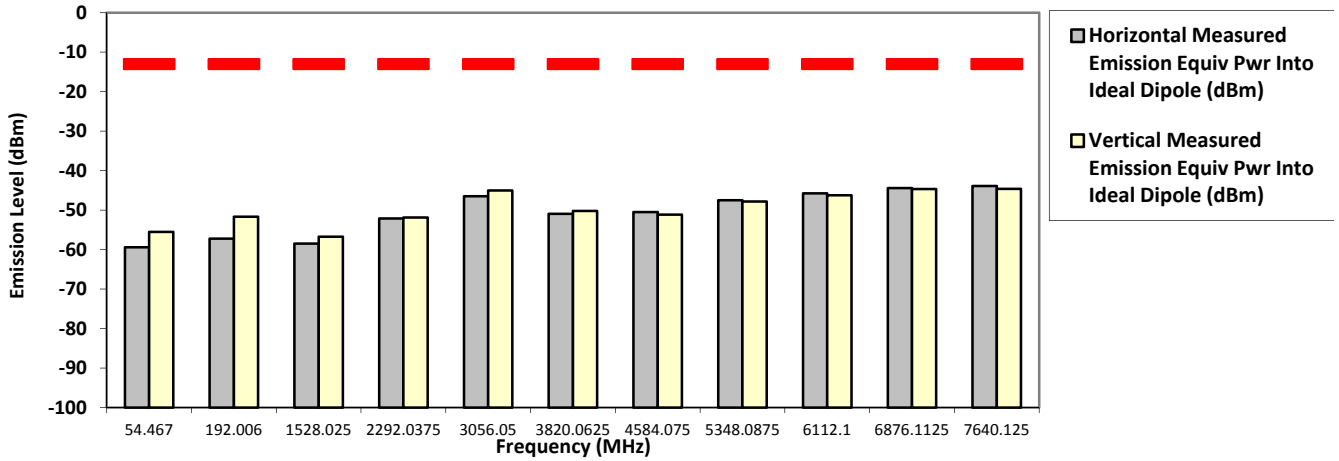
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
764.012500 MHz **12.5 kHz** **36.000 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)
54.4670	-13.0000	-59.4300 *	-55.5400 *
192.0060	-13.0000	-57.2100 *	-51.6800 *
1528.0250	-13.0000	-58.4607 **	-56.7314 **
2292.0375	-13.0000	-52.1100 *	-51.8800 *
3056.0500	-13.0000	-46.4800 *	-45.0300 *
3820.0625	-13.0000	-50.9614 **	-50.2253 **
4584.0750	-13.0000	-50.5032 **	-51.1563 **
5348.0875	-13.0000	-47.4976 **	-47.8054 **
6112.1000	-13.0000	-45.7621 **	-46.2388 **
6876.1125	-13.0000	-44.3995 **	-44.6795 **
7640.1250	-13.0000	-43.8805 **	-44.6356 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

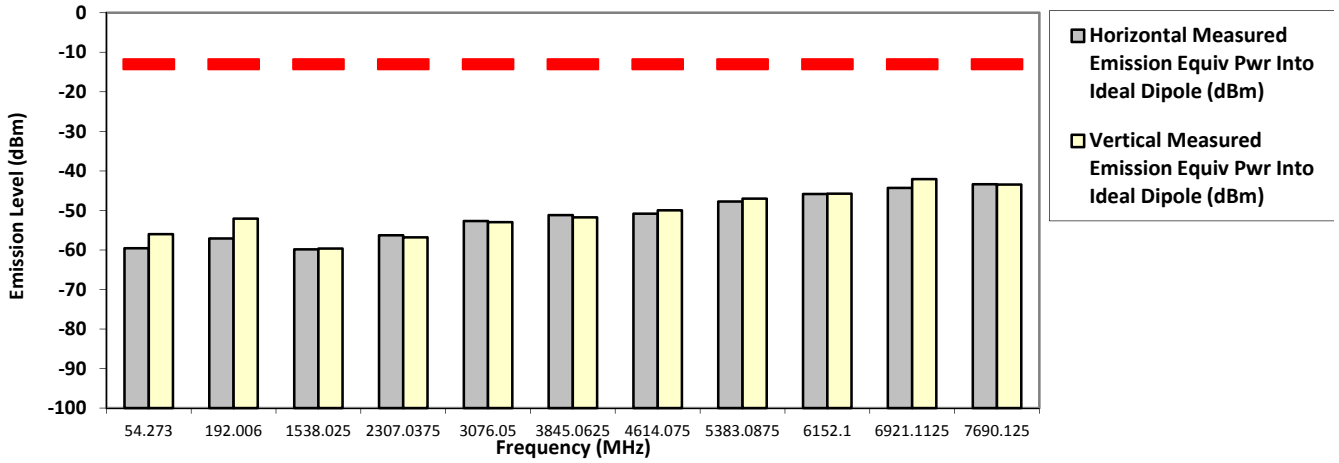
System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
769.012500 MHz **12.5 kHz** **2.000 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)
54.2730	-13.0000	-59.5500 *	-56.0000 *
192.0060	-13.0000	-57.0800 *	-52.0500 *
1538.0250	-13.0000	-59.8491 **	-59.6424 **
2307.0375	-13.0000	-56.2760 **	-56.8226 **
3076.0500	-13.0000	-52.6812 **	-52.9715 **
3845.0625	-13.0000	-51.1869 **	-51.7453 **
4614.0750	-13.0000	-50.8348 **	-49.9513 **
5383.0875	-13.0000	-47.7398 **	-46.9984 **
6152.1000	-13.0000	-45.8357 **	-45.7417 **
6921.1125	-13.0000	-44.3038 **	-42.0560 **
7690.1250	-13.0000	-43.3629 **	-43.4404 **

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: Azil, Faris & Aiman **Tue, Apr 23, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

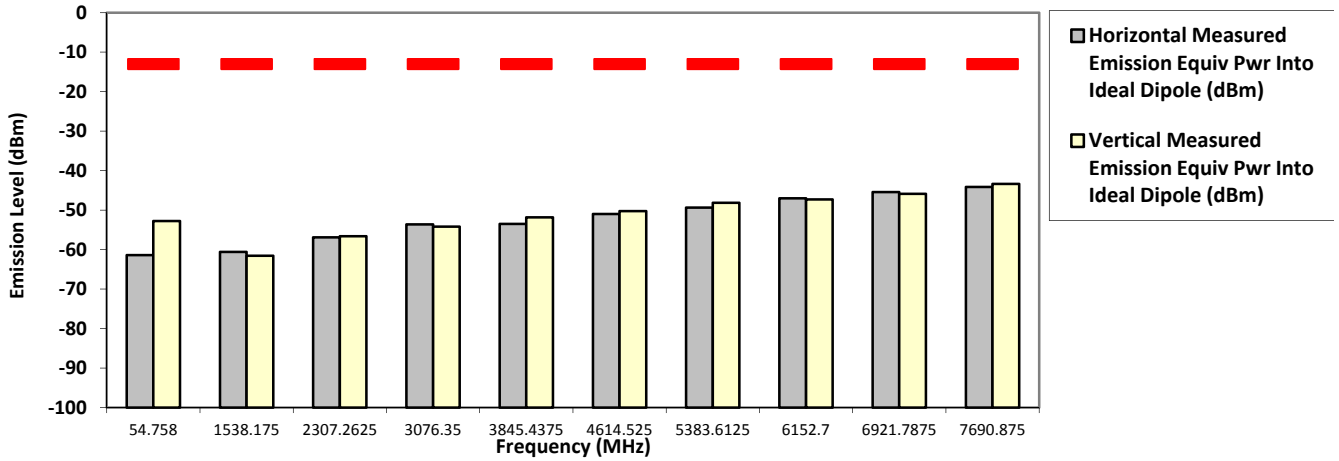
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

769.087500 MHz **12.5 kHz** **3.000 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)
54.7580	-13.0000	-61.4000 *	-52.7700 *
1538.1750	-13.0000	-60.5942 **	-61.5594 **
2307.2625	-13.0000	-56.8899 **	-56.6117 **
3076.3500	-13.0000	-53.6047 **	-54.1962 **
3845.4375	-13.0000	-53.4826 **	-51.8482 **
4614.5250	-13.0000	-50.9959 **	-50.2719 **
5383.6125	-13.0000	-49.3679 **	-48.1314 **
6152.7000	-13.0000	-47.0112 **	-47.3097 **
6921.7875	-13.0000	-45.4213 **	-45.8719 **
7690.8750	-13.0000	-44.1224 **	-43.3626 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

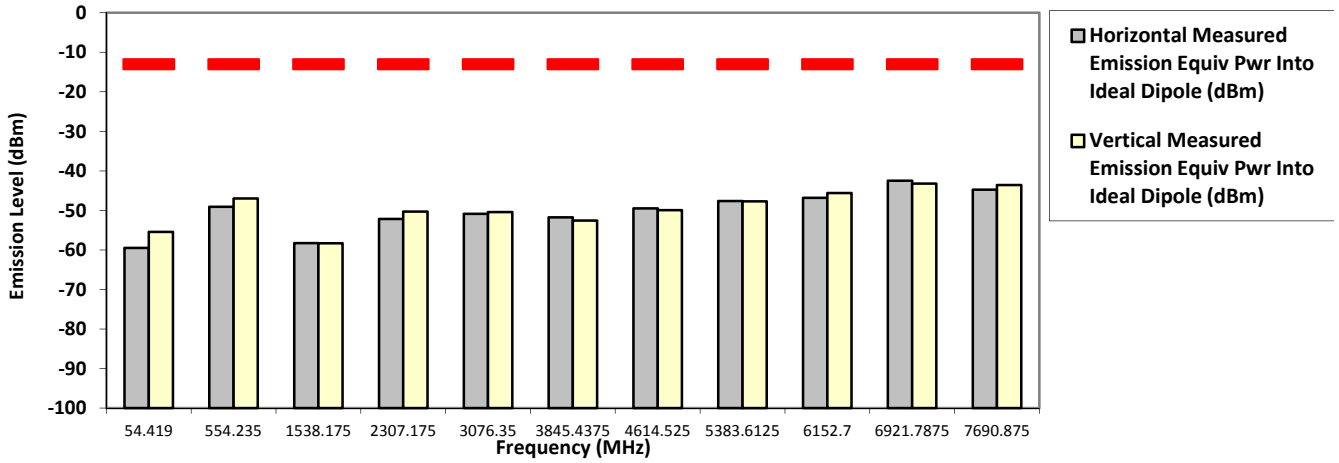
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
769.087500 MHz **12.5 kHz** **36.000 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)
54.4190	-13.0000	-59.4900 *	-55.4200 *
554.2350	-13.0000	-49.0900 *	-46.9700 *
1538.1750	-13.0000	-58.2642 **	-58.2998 **
2307.1750	-13.0000	-52.1400 *	-50.3000 *
3076.3500	-13.0000	-50.8554 **	-50.4274 **
3845.4375	-13.0000	-51.7507 **	-52.5473 **
4614.5250	-13.0000	-49.4673 **	-49.9312 **
5383.6125	-13.0000	-47.6119 **	-47.7030 **
6152.7000	-13.0000	-46.8238 **	-45.6123 **
6921.7875	-13.0000	-42.4692 **	-43.1961 **
7690.8750	-13.0000	-44.7550 **	-43.5724 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

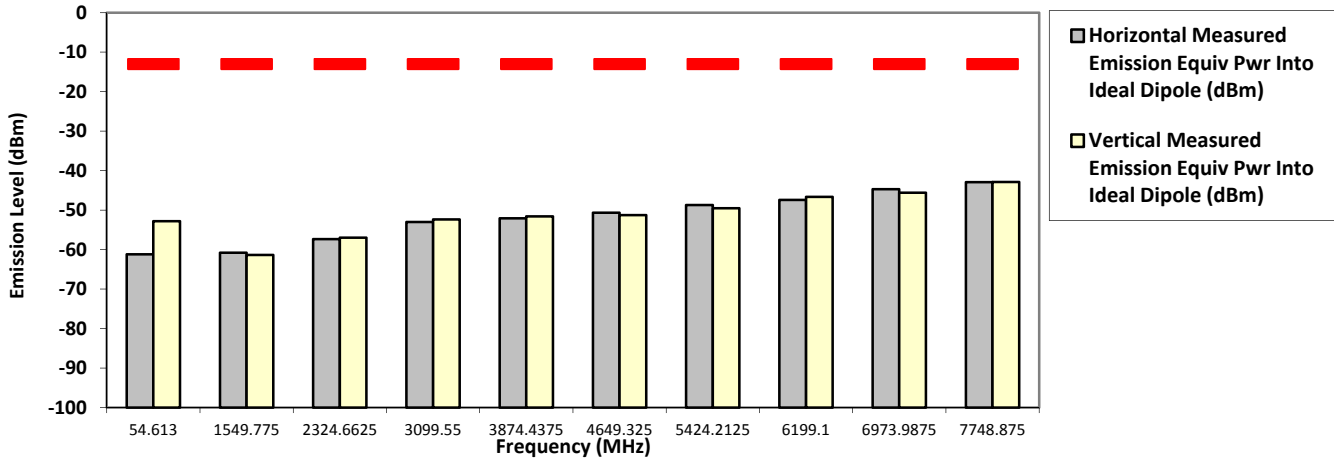
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

774.887500 MHz **12.5 kHz** **3.000 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)
54.6130	-13.0000	-61.1900 *	-52.7900 *
1549.7750	-13.0000	-60.7900 **	-61.3550 **
2324.6625	-13.0000	-57.3288 **	-56.9984 **
3099.5500	-13.0000	-53.0262 **	-52.3778 **
3874.4375	-13.0000	-52.0698 **	-51.5728 **
4649.3250	-13.0000	-50.6479 **	-51.2546 **
5424.2125	-13.0000	-48.7110 **	-49.5302 **
6199.1000	-13.0000	-47.4212 **	-46.6283 **
6973.9875	-13.0000	-44.6984 **	-45.5815 **
7748.8750	-13.0000	-42.9359 **	-42.8896 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

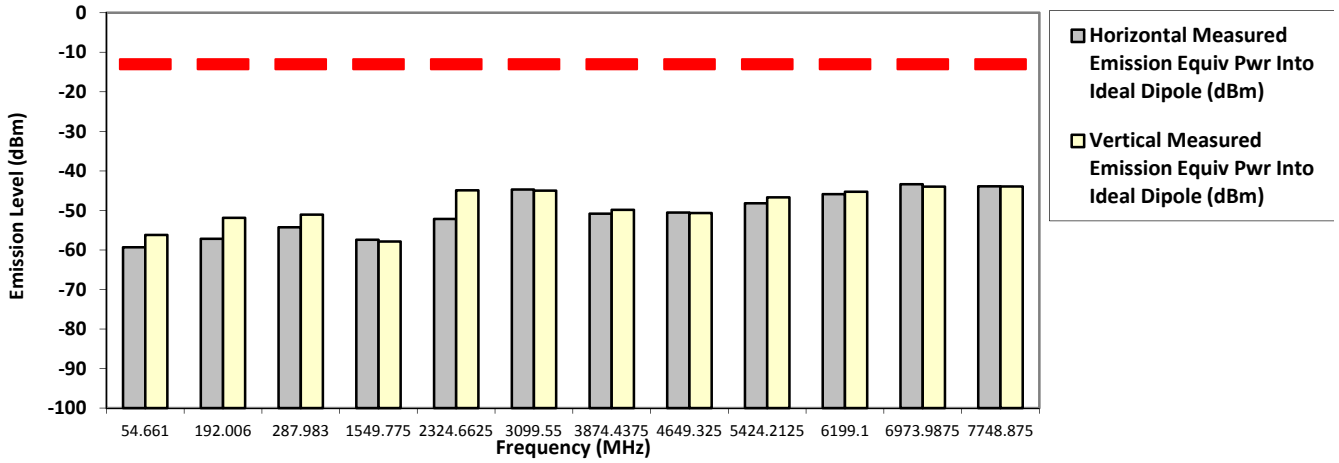
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
774.887500 MHz **12.5 kHz** **36.000 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)
54.6610	-13.0000	-59.3300 *	-56.1800 *
192.0060	-13.0000	-57.1800 *	-51.8700 *
287.9830	-13.0000	-54.2600 *	-51.0400 *
1549.7750	-13.0000	-57.4165 **	-57.8435 **
2324.6625	-13.0000	-52.1700 *	-44.9200 *
3099.5500	-13.0000	-44.7200 *	-44.9900 *
3874.4375	-13.0000	-50.8314 **	-49.8293 **
4649.3250	-13.0000	-50.5289 **	-50.6577 **
5424.2125	-13.0000	-48.1906 **	-46.6958 **
6199.1000	-13.0000	-45.8784 **	-45.2797 **
6973.9875	-13.0000	-43.3615 **	-43.9877 **
7748.8750	-13.0000	-43.8864 **	-43.9431 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

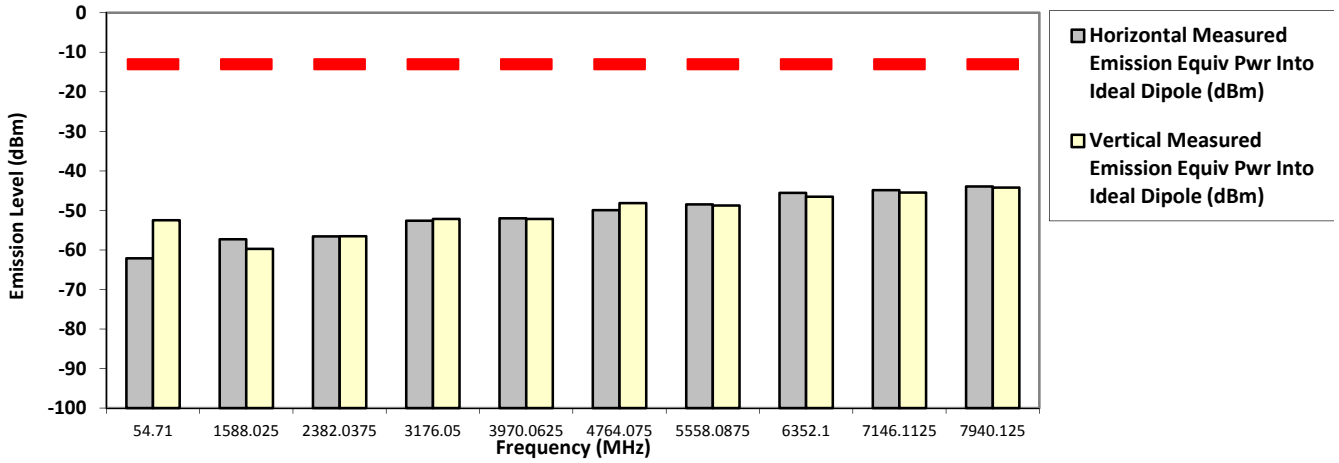
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

794.012500 MHz **12.5 kHz** **3.000 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)
54.7100	-13.0000	-62.1200 *	-52.4600 *
1588.0250	-13.0000	-57.2773 **	-59.7137 **
2382.0375	-13.0000	-56.5745 **	-56.5287 **
3176.0500	-13.0000	-52.5941 **	-52.1702 **
3970.0625	-13.0000	-51.9929 **	-52.1427 **
4764.0750	-13.0000	-49.9412 **	-48.1363 **
5558.0875	-13.0000	-48.4554 **	-48.7484 **
6352.1000	-13.0000	-45.5592 **	-46.5328 **
7146.1125	-13.0000	-44.8691 **	-45.4883 **
7940.1250	-13.0000	-43.9244 **	-44.2289 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

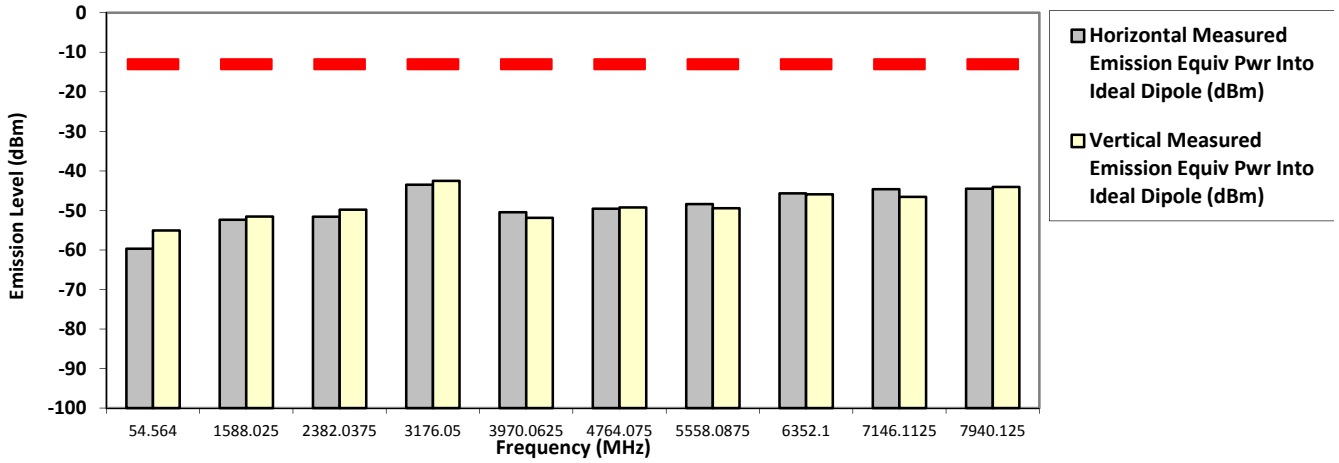
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
794.012500 MHz **12.5 kHz** **36.000 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)
54.5640	-13.0000	-59.6800 *	-55.0600 *
1588.0250	-13.0000	-52.3600 *	-51.5600 *
2382.0375	-13.0000	-51.5900 *	-49.8000 *
3176.0500	-13.0000	-43.5000 *	-42.5100 *
3970.0625	-13.0000	-50.4574 **	-51.8492 **
4764.0750	-13.0000	-49.5727 **	-49.2556 **
5558.0875	-13.0000	-48.3813 **	-49.4354 **
6352.1000	-13.0000	-45.6827 **	-45.9305 **
7146.1125	-13.0000	-44.6256 **	-46.5680 **
7940.1250	-13.0000	-44.5098 **	-44.0508 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

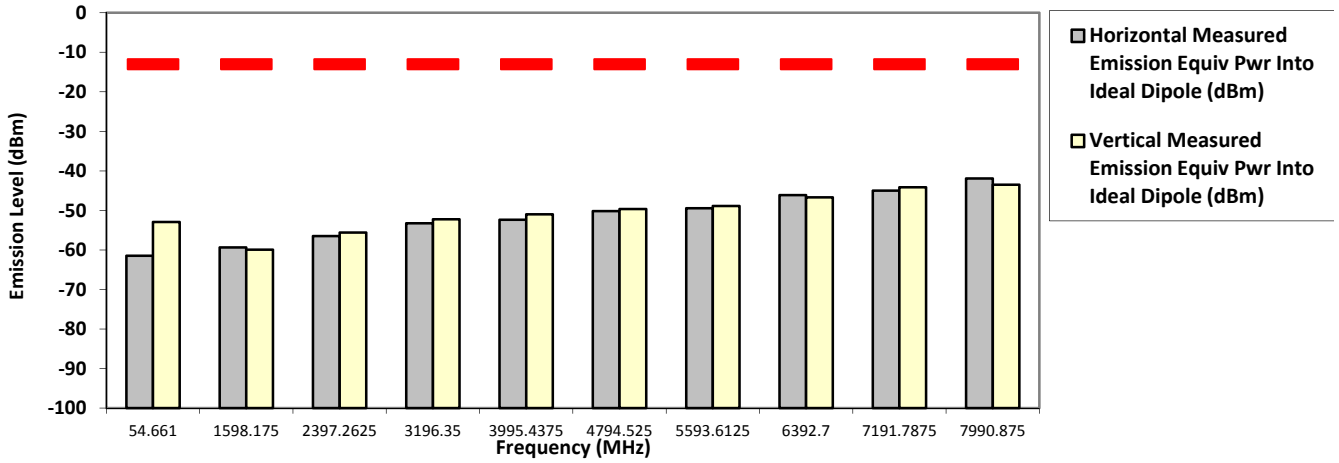
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

799.087500 MHz **12.5 kHz** **3.000 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)
54.6610	-13.0000	-61.4500 *	-52.9300 *
1598.1750	-13.0000	-59.3604 **	-59.9241 **
2397.2625	-13.0000	-56.4724 **	-55.6057 **
3196.3500	-13.0000	-53.2509 **	-52.2136 **
3995.4375	-13.0000	-52.3729 **	-50.9753 **
4794.5250	-13.0000	-50.1587 **	-49.6244 **
5593.6125	-13.0000	-49.4589 **	-48.8836 **
6392.7000	-13.0000	-46.1250 **	-46.6960 **
7191.7875	-13.0000	-44.9729 **	-44.1370 **
7990.8750	-13.0000	-41.9060 **	-43.5087 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

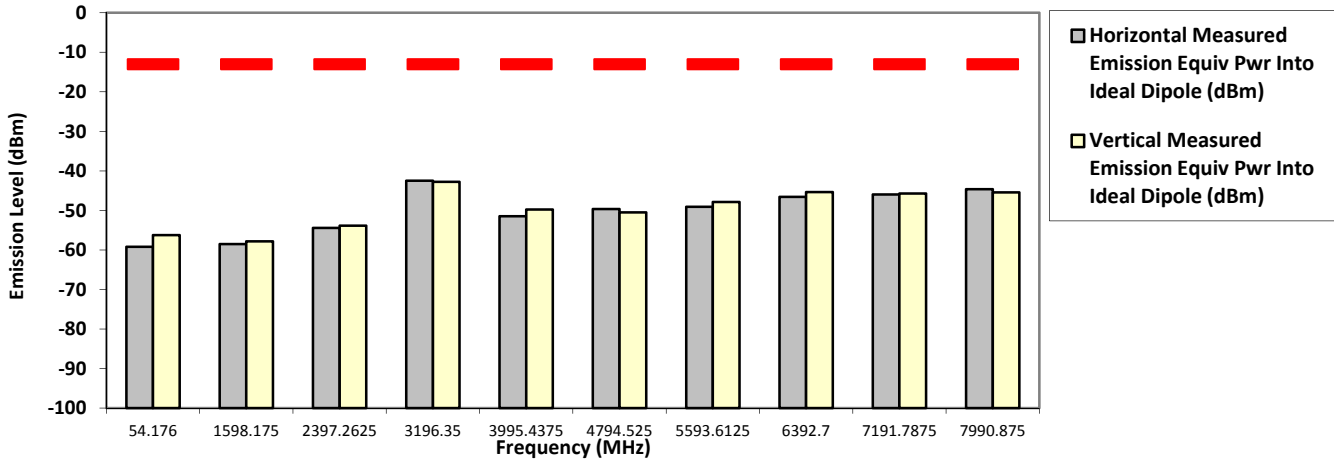
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
799.087500 MHz **12.5 kHz** **36.000 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)
54.1760	-13.0000	-59.1800 *	-56.2300 *
1598.1750	-13.0000	-58.4886 **	-57.8217 **
2397.2625	-13.0000	-54.4025 **	-53.8669 **
3196.3500	-13.0000	-42.4900 *	-42.7800 *
3995.4375	-13.0000	-51.4584 **	-49.7798 **
4794.5250	-13.0000	-49.6451 **	-50.4866 **
5593.6125	-13.0000	-49.0865 **	-47.8421 **
6392.7000	-13.0000	-46.5850 **	-45.3410 **
7191.7875	-13.0000	-45.9584 **	-45.7192 **
7990.8750	-13.0000	-44.6057 **	-45.4255 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

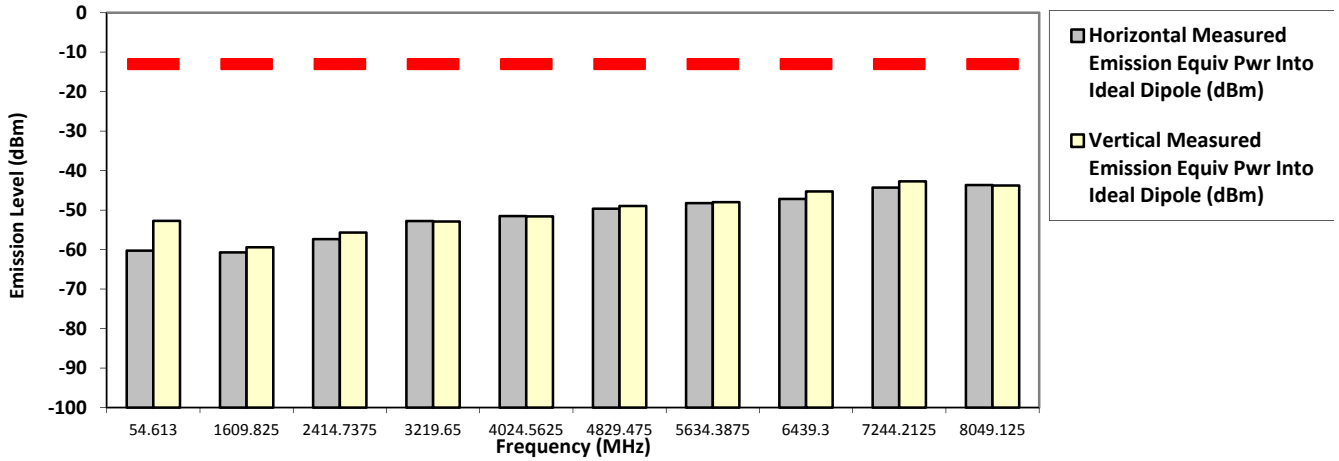
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

804.912500 MHz **12.5 kHz** **3.000 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)
54.6130	-13.0000	-60.2700 *	-52.7300 *
1609.8250	-13.0000	-60.7169 **	-59.4268 **
2414.7375	-13.0000	-57.3605 **	-55.6886 **
3219.6500	-13.0000	-52.7755 **	-52.8901 **
4024.5625	-13.0000	-51.4969 **	-51.5785 **
4829.4750	-13.0000	-49.6511 **	-48.9736 **
5634.3875	-13.0000	-48.2130 **	-47.9914 **
6439.3000	-13.0000	-47.1721 **	-45.2753 **
7244.2125	-13.0000	-44.2980 **	-42.7118 **
8049.1250	-13.0000	-43.6467 **	-43.7682 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

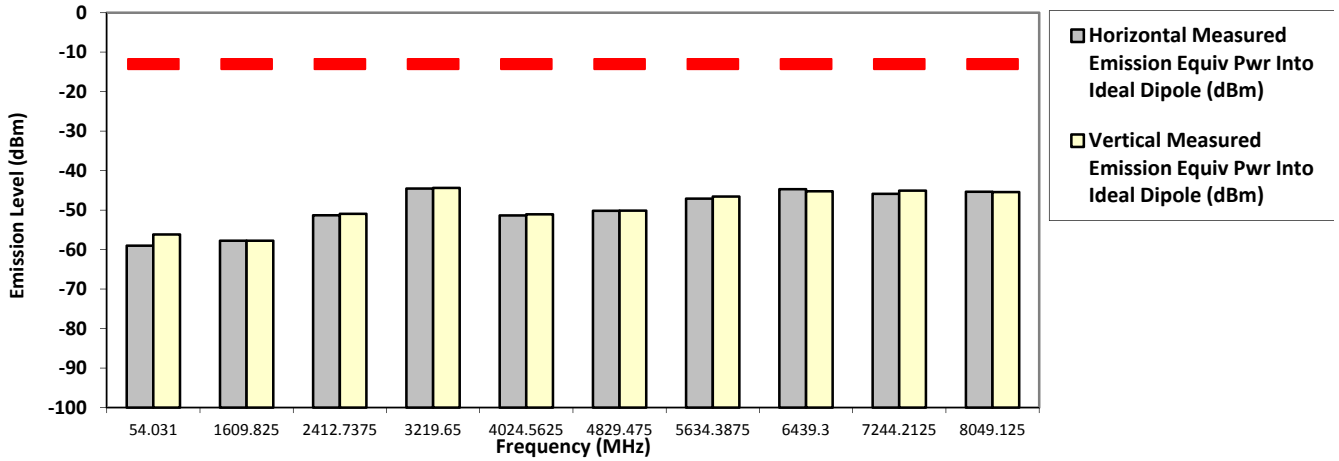
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
804.912500 MHz **12.5 kHz** **36.000 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)
54.0310	-13.0000	-59.0100 *	-56.1700 *
1609.8250	-13.0000	-57.7442 **	-57.7346 **
2412.7375	-13.0000	-51.2900 *	-50.9500 *
3219.6500	-13.0000	-44.5400 *	-44.3900 *
4024.5625	-13.0000	-51.3629 **	-51.0662 **
4829.4750	-13.0000	-50.1876 **	-50.1520 **
5634.3875	-13.0000	-47.0797 **	-46.5589 **
6439.3000	-13.0000	-44.7059 **	-45.2115 **
7244.2125	-13.0000	-45.8818 **	-45.0869 **
8049.1250	-13.0000	-45.3378 **	-45.4162 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

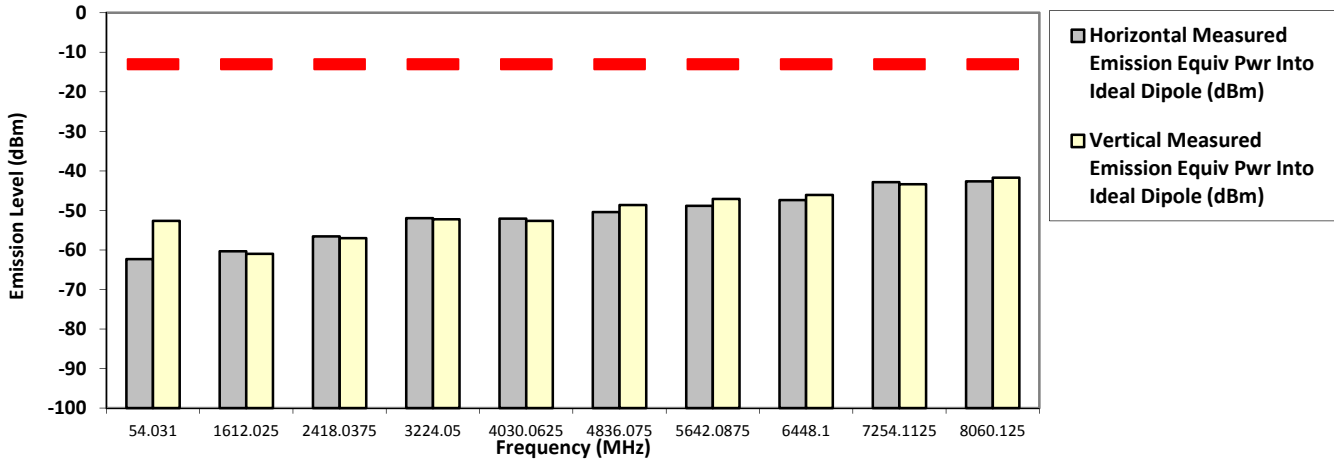
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

806.012500 MHz **12.5 kHz** **3.000 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)
54.0310	-13.0000	-62.2900 *	-52.6500 *
1612.0250	-13.0000	-60.3239 **	-60.9736 **
2418.0375	-13.0000	-56.5643 **	-56.9995 **
3224.0500	-13.0000	-51.9381 **	-52.2414 **
4030.0625	-13.0000	-52.0520 **	-52.6370 **
4836.0750	-13.0000	-50.3961 **	-48.6504 **
5642.0875	-13.0000	-48.8516 **	-47.0912 **
6448.1000	-13.0000	-47.3803 **	-46.0933 **
7254.1125	-13.0000	-42.8287 **	-43.3899 **
8060.1250	-13.0000	-42.6359 **	-41.6997 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

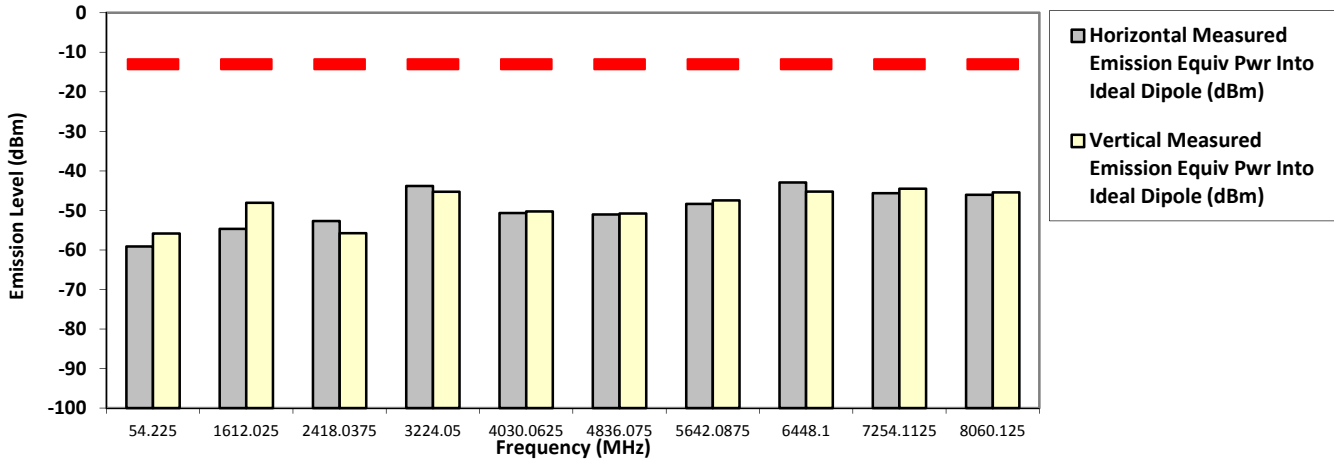
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
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)
54.2250	-13.0000	-59.1000 *	-55.8500 *
1612.0250	-13.0000	-54.6600 *	-48.0600 *
2418.0375	-13.0000	-52.6863 **	-55.7398 **
3224.0500	-13.0000	-43.8100 *	-45.2900 *
4030.0625	-13.0000	-50.6500 **	-50.2482 **
4836.0750	-13.0000	-50.9991 **	-50.7558 **
5642.0875	-13.0000	-48.3650 **	-47.4457 **
6448.1000	-13.0000	-42.9436 **	-45.2174 **
7254.1125	-13.0000	-45.6284 **	-44.4864 **
8060.1250	-13.0000	-46.0212 **	-45.4281 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

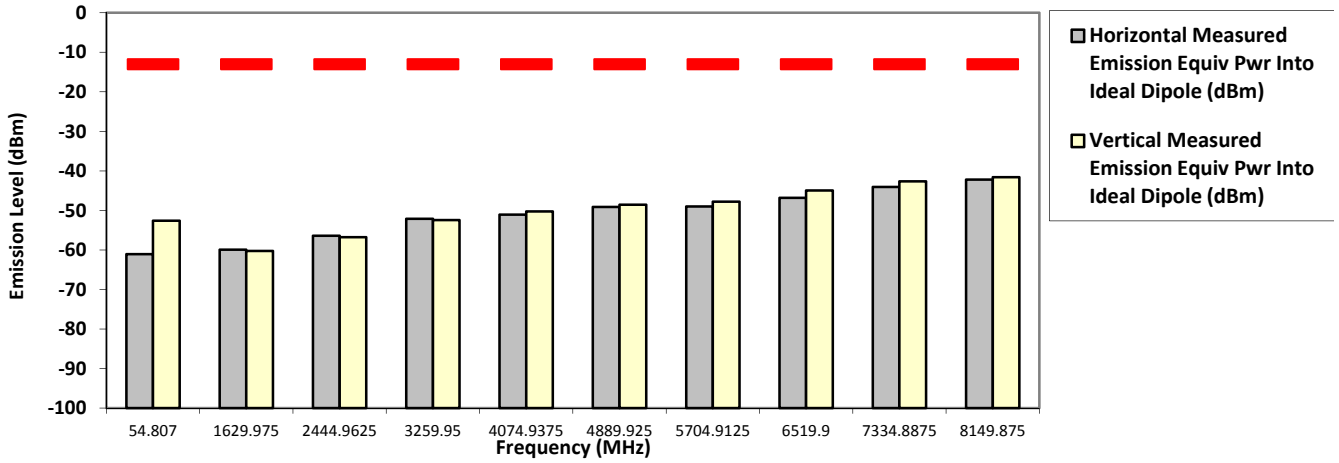
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

814.987500 MHz **12.5 kHz** **3.000 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)
54.8070	-13.0000	-61.0600 *	-52.5900 *
1629.9750	-13.0000	-59.9387 **	-60.2291 **
2444.9625	-13.0000	-56.3829 **	-56.7502 **
3259.9500	-13.0000	-52.1248 **	-52.4355 **
4074.9375	-13.0000	-51.0389 **	-50.2498 **
4889.9250	-13.0000	-49.0974 **	-48.5462 **
5704.9125	-13.0000	-48.9924 **	-47.7932 **
6519.9000	-13.0000	-46.8059 **	-44.9438 **
7334.8875	-13.0000	-44.0470 **	-42.6552 **
8149.8750	-13.0000	-42.1941 **	-41.5719 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

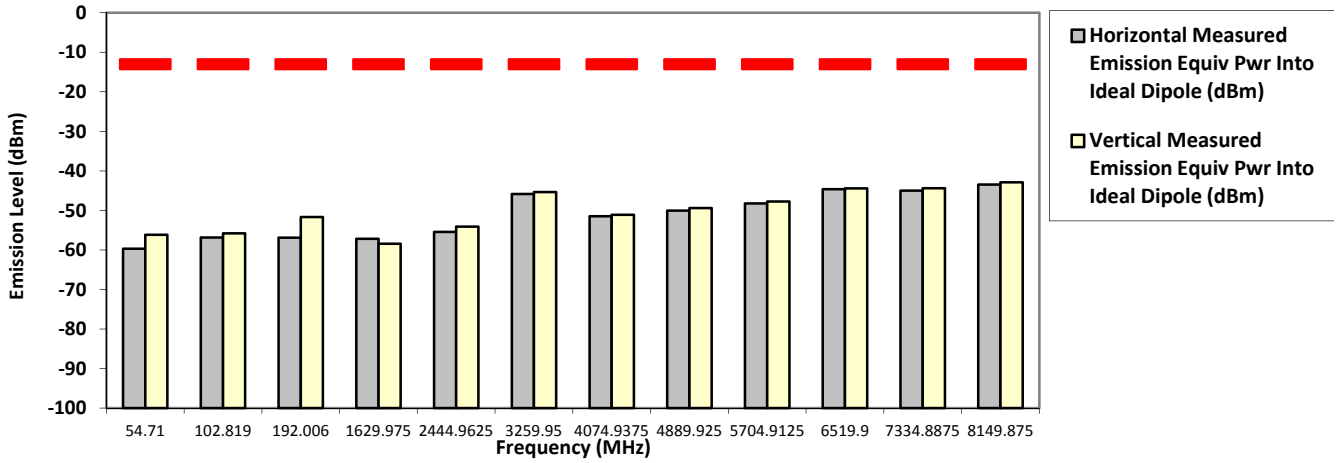
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
814.987500 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)
54.7100	-13.0000	-59.6700 *	-56.1700 *
102.8190	-13.0000	-56.8600 *	-55.8000 *
192.0060	-13.0000	-56.8900 *	-51.6700 *
1629.9750	-13.0000	-57.1583 **	-58.4041 **
2444.9625	-13.0000	-55.4295 **	-54.0933 **
3259.9500	-13.0000	-45.8400 *	-45.3400 *
4074.9375	-13.0000	-51.4809 **	-51.0846 **
4889.9250	-13.0000	-50.0320 **	-49.4028 **
5704.9125	-13.0000	-48.2219 **	-47.7464 **
6519.9000	-13.0000	-44.6176 **	-44.4072 **
7334.8875	-13.0000	-44.9994 **	-44.3624 **
8149.8750	-13.0000	-43.4686 **	-42.8807 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

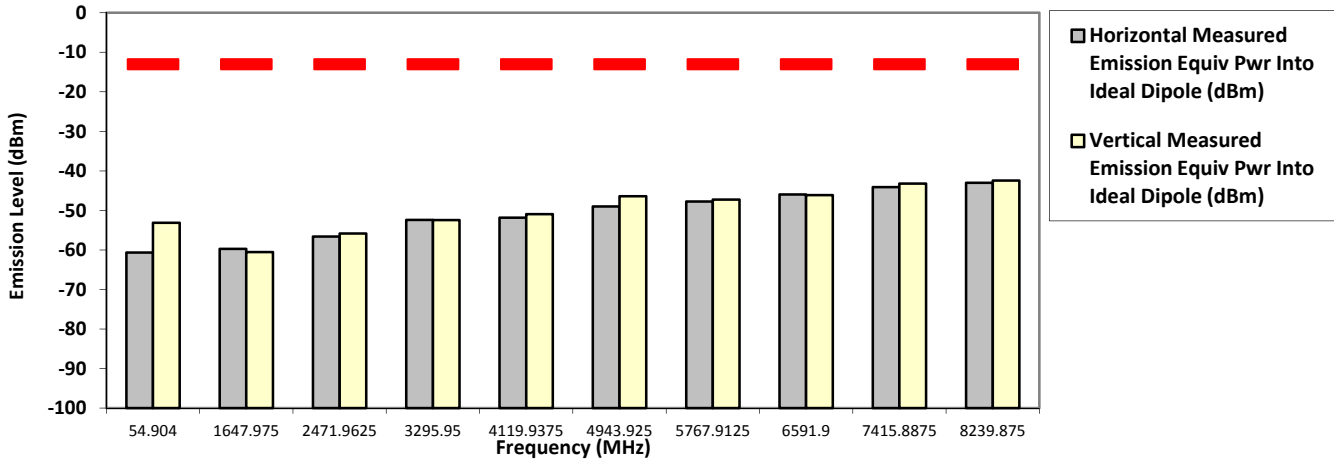
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

823.987500 MHz **12.5 kHz** **3.000 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)
54.9040	-13.0000	-60.6400 *	-53.1200 *
1647.9750	-13.0000	-59.7224 **	-60.5095 **
2471.9625	-13.0000	-56.6042 **	-55.8158 **
3295.9500	-13.0000	-52.4133 **	-52.4309 **
4119.9375	-13.0000	-51.8137 **	-50.9239 **
4943.9250	-13.0000	-48.9967 **	-46.3947 **
5767.9125	-13.0000	-47.7392 **	-47.2363 **
6591.9000	-13.0000	-45.9556 **	-46.1219 **
7415.8875	-13.0000	-44.1073 **	-43.1962 **
8239.8750	-13.0000	-43.0250 **	-42.4305 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

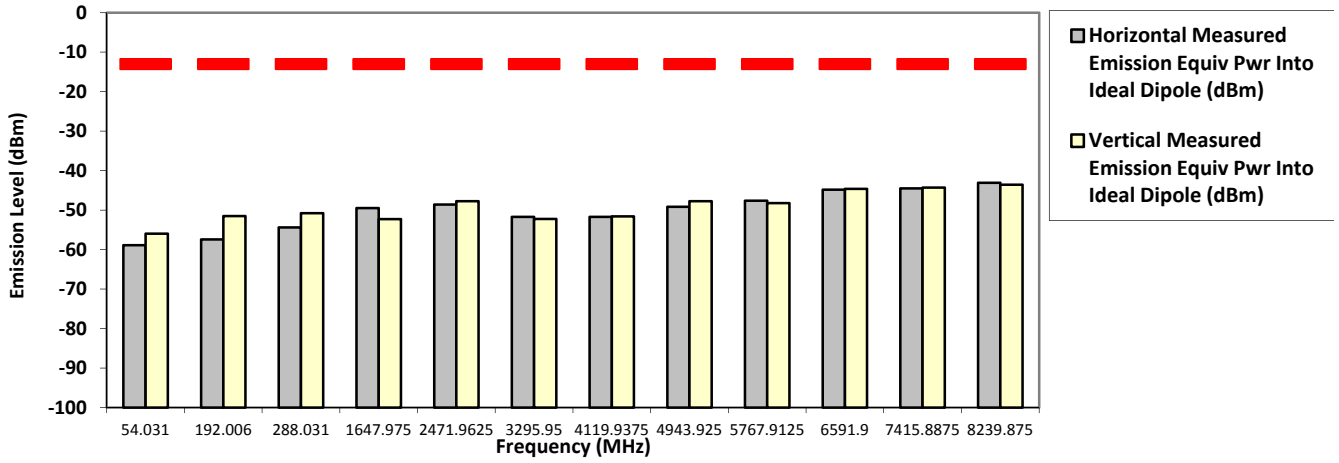
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
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)
54.0310	-13.0000	-58.8800 *	-55.9600 *
192.0060	-13.0000	-57.4300 *	-51.5100 *
288.0310	-13.0000	-54.3700 *	-50.7700 *
1647.9750	-13.0000	-49.5000 *	-52.2700 *
2471.9625	-13.0000	-48.5900 *	-47.7500 *
3295.9500	-13.0000	-51.7157 **	-52.2228 **
4119.9375	-13.0000	-51.7058 **	-51.5948 **
4943.9250	-13.0000	-49.1697 **	-47.7473 **
5767.9125	-13.0000	-47.6279 **	-48.2200 **
6591.9000	-13.0000	-44.8407 **	-44.6248 **
7415.8875	-13.0000	-44.4951 **	-44.2952 **
8239.8750	-13.0000	-43.0973 **	-43.5847 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

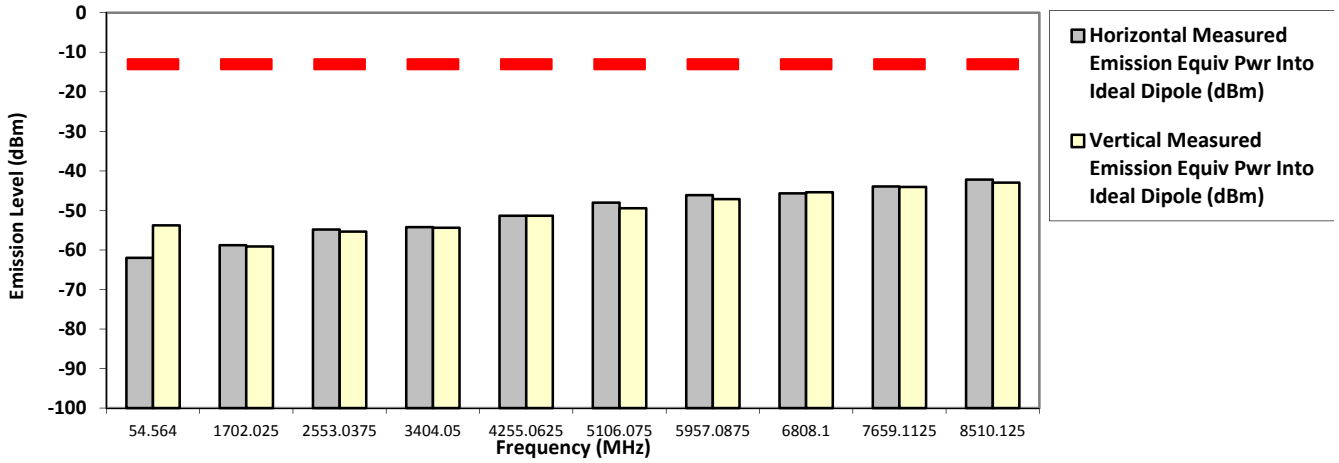
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

851.012500 MHz **12.5 kHz** **3.000 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)
54.5640	-13.0000	-61.9700 *	-53.7600 *
1702.0250	-13.0000	-58.7995 **	-59.1306 **
2553.0375	-13.0000	-54.8097 **	-55.3351 **
3404.0500	-13.0000	-54.1957 **	-54.3901 **
4255.0625	-13.0000	-51.3401 **	-51.3514 **
5106.0750	-13.0000	-48.0078 **	-49.4411 **
5957.0875	-13.0000	-46.1019 **	-47.1481 **
6808.1000	-13.0000	-45.6792 **	-45.3923 **
7659.1125	-13.0000	-43.9307 **	-44.0661 **
8510.1250	-13.0000	-42.2036 **	-42.9821 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

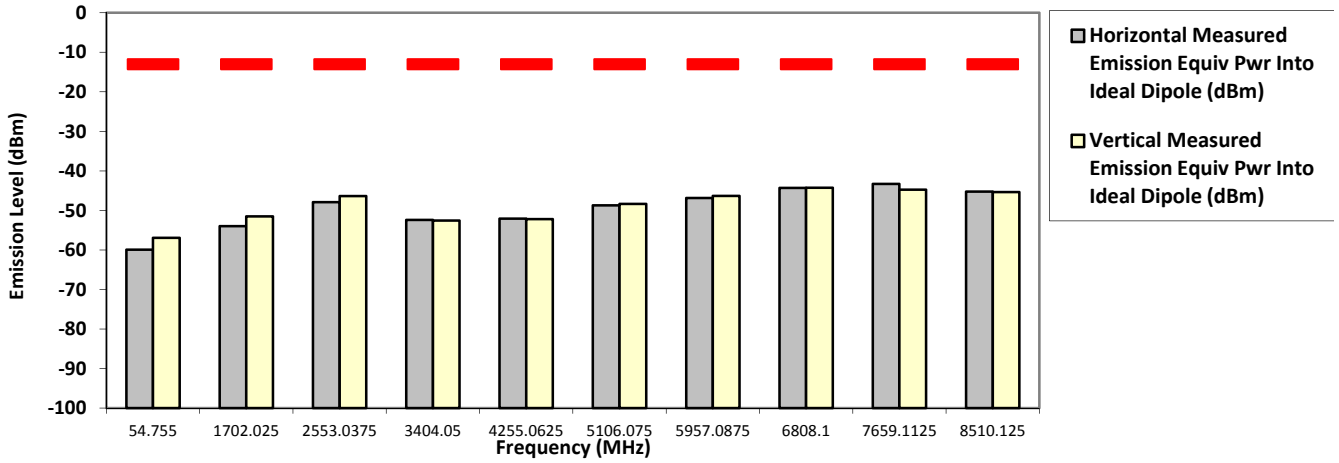
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
851.012500 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)
54.7550	-13.0000	-59.9400 *	-56.9300 *
1702.0250	-13.0000	-53.9600 *	-51.5200 *
2553.0375	-13.0000	-47.9200 *	-46.3600 *
3404.0500	-13.0000	-52.3923 **	-52.5561 **
4255.0625	-13.0000	-52.0743 **	-52.2012 **
5106.0750	-13.0000	-48.7138 **	-48.3503 **
5957.0875	-13.0000	-46.8549 **	-46.3396 **
6808.1000	-13.0000	-44.3014 **	-44.2547 **
7659.1125	-13.0000	-43.2913 **	-44.7615 **
8510.1250	-13.0000	-45.2220 **	-45.3330 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

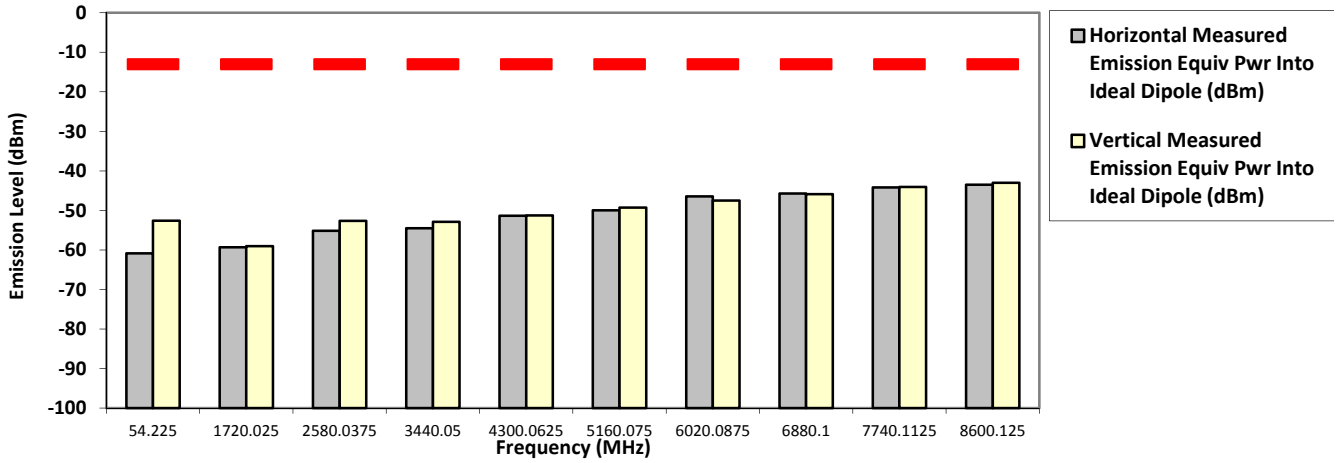
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

860.012500 MHz **12.5 kHz** **3.000 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)
54.2250	-13.0000	-60.8600 *	-52.5900 *
1720.0250	-13.0000	-59.3297 **	-59.0326 **
2580.0375	-13.0000	-55.1392 **	-52.6224 **
3440.0500	-13.0000	-54.5080 **	-52.8667 **
4300.0625	-13.0000	-51.3614 **	-51.2669 **
5160.0750	-13.0000	-49.9485 **	-49.2578 **
6020.0875	-13.0000	-46.4544 **	-47.5106 **
6880.1000	-13.0000	-45.7264 **	-45.8797 **
7740.1125	-13.0000	-44.1768 **	-44.0682 **
8600.1250	-13.0000	-43.5036 **	-43.0000 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

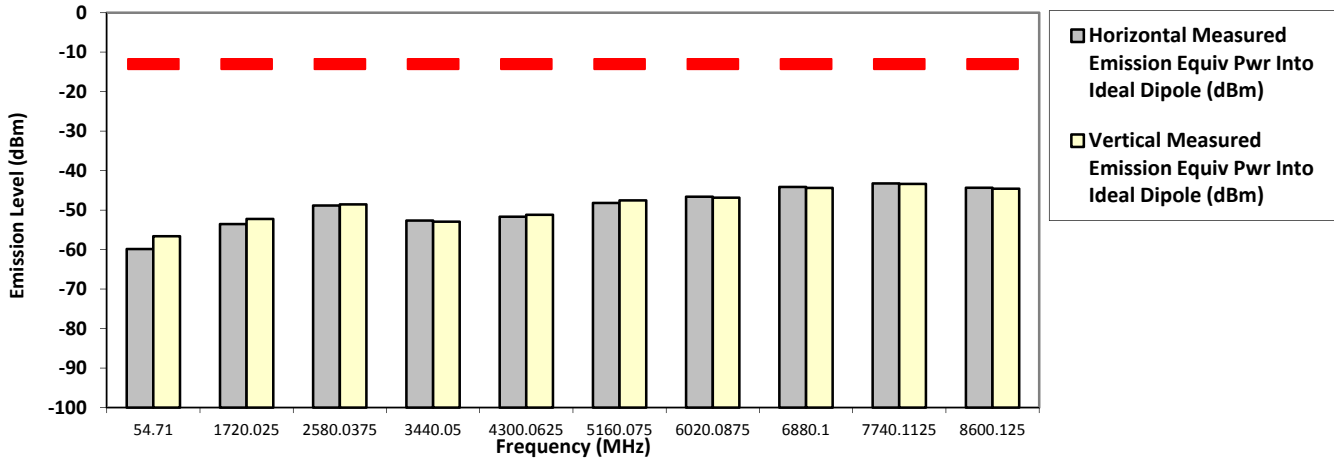
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
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)
54.7100	-13.0000	-59.8700 *	-56.6300 *
1720.0250	-13.0000	-53.5400 *	-52.2200 *
2580.0375	-13.0000	-48.8400 *	-48.5600 *
3440.0500	-13.0000	-52.6535 **	-52.9402 **
4300.0625	-13.0000	-51.6653 **	-51.1962 **
5160.0750	-13.0000	-48.1734 **	-47.5228 **
6020.0875	-13.0000	-46.5910 **	-46.8423 **
6880.1000	-13.0000	-44.1554 **	-44.3803 **
7740.1125	-13.0000	-43.2375 **	-43.3845 **
8600.1250	-13.0000	-44.3215 **	-44.6008 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

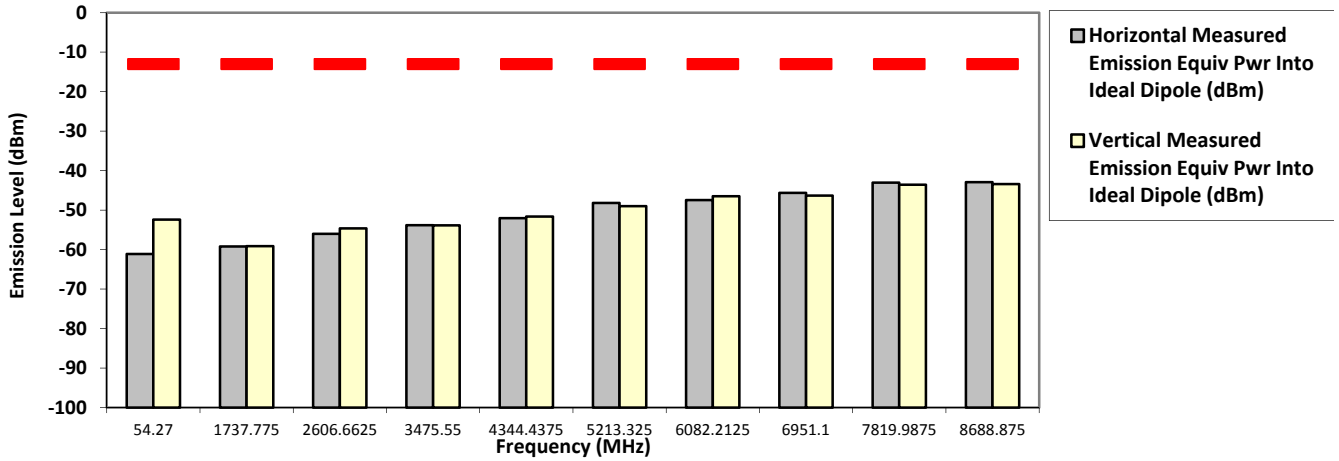
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

868.887500 MHz **12.5 kHz** **3.000 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)
54.2700	-13.0000	-61.1300 *	-52.4200 *
1737.7750	-13.0000	-59.1971 **	-59.1354 **
2606.6625	-13.0000	-56.0218 **	-54.6415 **
3475.5500	-13.0000	-53.8294 **	-53.8728 **
4344.4375	-13.0000	-52.0504 **	-51.6337 **
5213.3250	-13.0000	-48.1838 **	-49.0039 **
6082.2125	-13.0000	-47.4636 **	-46.4834 **
6951.1000	-13.0000	-45.6422 **	-46.3322 **
7819.9875	-13.0000	-43.0428 **	-43.5508 **
8688.8750	-13.0000	-42.9308 **	-43.3893 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

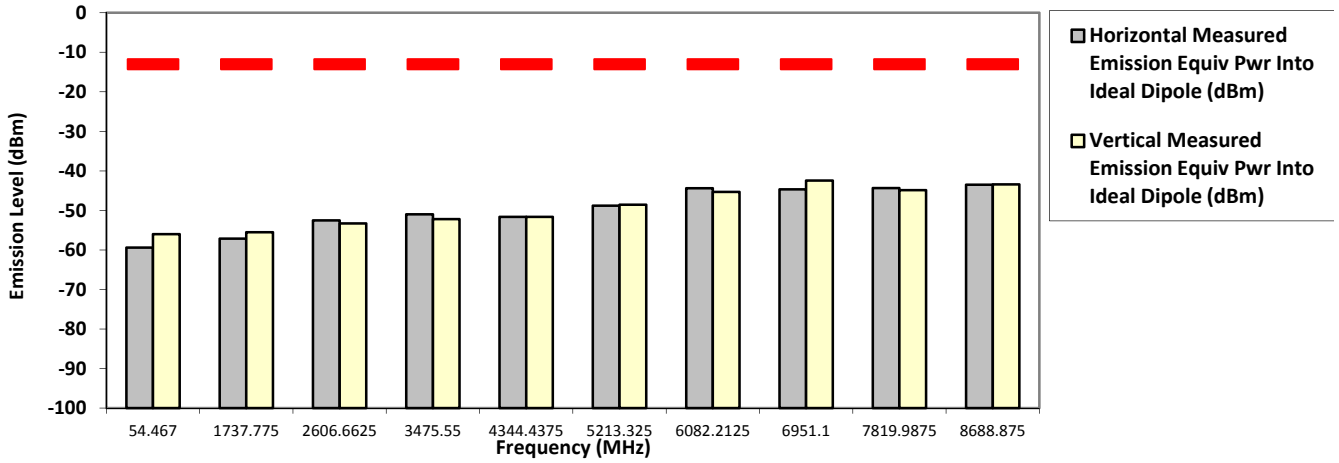
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
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)
54.4670	-13.0000	-59.4100 *	-56.0100 *
1737.7750	-13.0000	-57.1159 **	-55.5001 **
2606.6625	-13.0000	-52.5102 **	-53.2766 **
3475.5500	-13.0000	-50.9790 **	-52.1906 **
4344.4375	-13.0000	-51.6054 **	-51.6175 **
5213.3250	-13.0000	-48.7993 **	-48.5631 **
6082.2125	-13.0000	-44.3949 **	-45.3277 **
6951.1000	-13.0000	-44.6798 **	-42.4291 **
7819.9875	-13.0000	-44.3450 **	-44.8706 **
8688.8750	-13.0000	-43.5028 **	-43.4045 **

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: Azil, Faris & Aiman **Wed, Apr 24, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

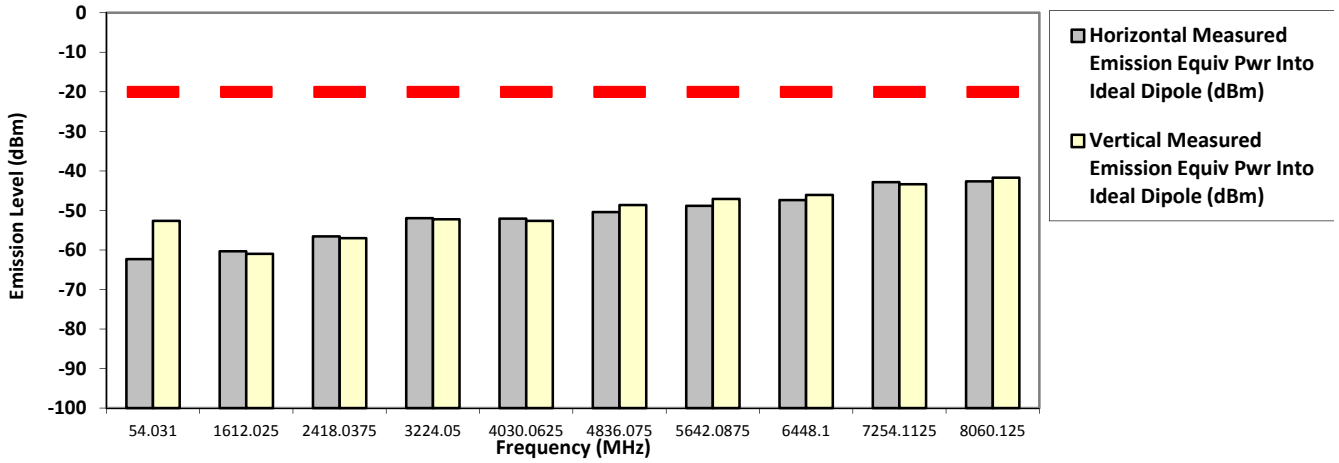
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

806.012500 MHz **12.5 kHz** **3.000 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)
54.0310	-20.0000	-62.2900 *	-52.6500 *
1612.0250	-20.0000	-60.3239 **	-60.9736 **
2418.0375	-20.0000	-56.5643 **	-56.9995 **
3224.0500	-20.0000	-51.9381 **	-52.2414 **
4030.0625	-20.0000	-52.0520 **	-52.6370 **
4836.0750	-20.0000	-50.3961 **	-48.6504 **
5642.0875	-20.0000	-48.8516 **	-47.0912 **
6448.1000	-20.0000	-47.3803 **	-46.0933 **
7254.1125	-20.0000	-42.8287 **	-43.3899 **
8060.1250	-20.0000	-42.6359 **	-41.6997 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

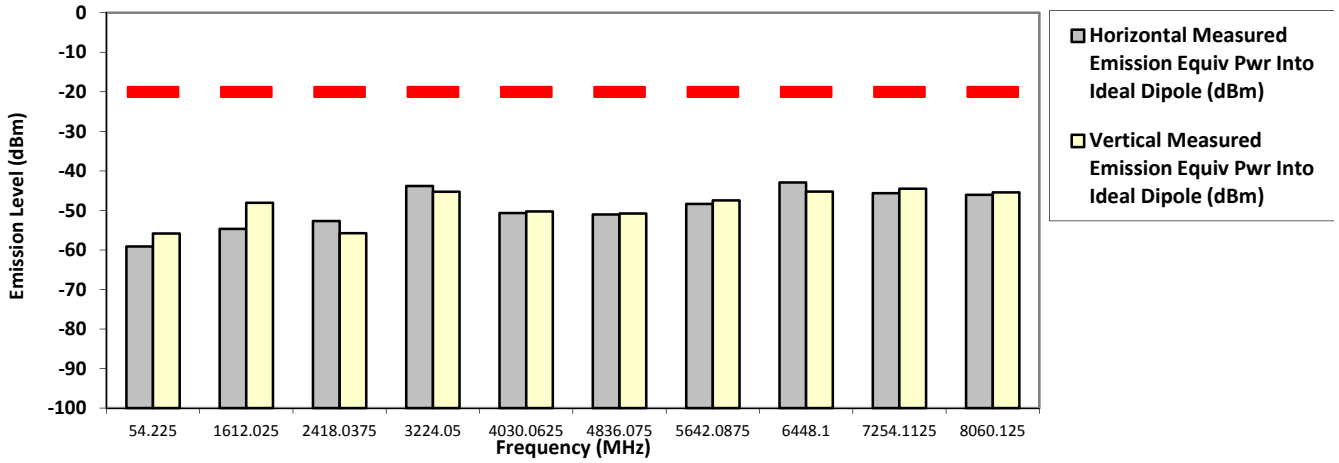
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
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)
54.2250	-20.0000	-59.1000 *	-55.8500 *
1612.0250	-20.0000	-54.6600 *	-48.0600 *
2418.0375	-20.0000	-52.6863 **	-55.7398 **
3224.0500	-20.0000	-43.8100 *	-45.2900 *
4030.0625	-20.0000	-50.6500 **	-50.2482 **
4836.0750	-20.0000	-50.9991 **	-50.7558 **
5642.0875	-20.0000	-48.3650 **	-47.4457 **
6448.1000	-20.0000	-42.9436 **	-45.2174 **
7254.1125	-20.0000	-45.6284 **	-44.4864 **
8060.1250	-20.0000	-46.0212 **	-45.4281 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

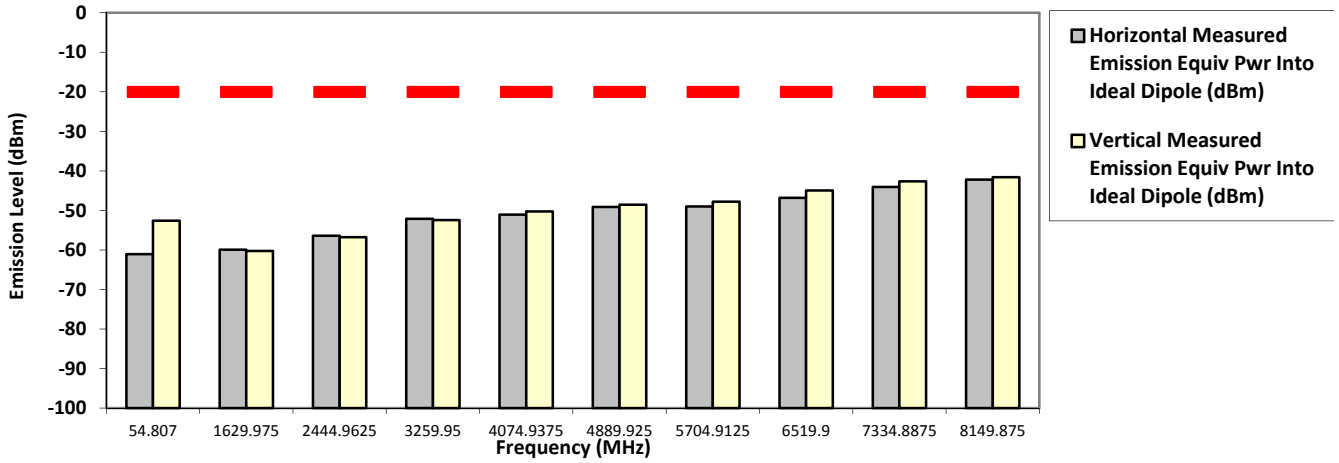
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

814.987500 MHz **12.5 kHz** **3.000 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)
54.8070	-20.0000	-61.0600 *	-52.5900 *
1629.9750	-20.0000	-59.9387 **	-60.2291 **
2444.9625	-20.0000	-56.3829 **	-56.7502 **
3259.9500	-20.0000	-52.1248 **	-52.4355 **
4074.9375	-20.0000	-51.0389 **	-50.2498 **
4889.9250	-20.0000	-49.0974 **	-48.5462 **
5704.9125	-20.0000	-48.9924 **	-47.7932 **
6519.9000	-20.0000	-46.8059 **	-44.9438 **
7334.8875	-20.0000	-44.0470 **	-42.6552 **
8149.8750	-20.0000	-42.1941 **	-41.5719 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

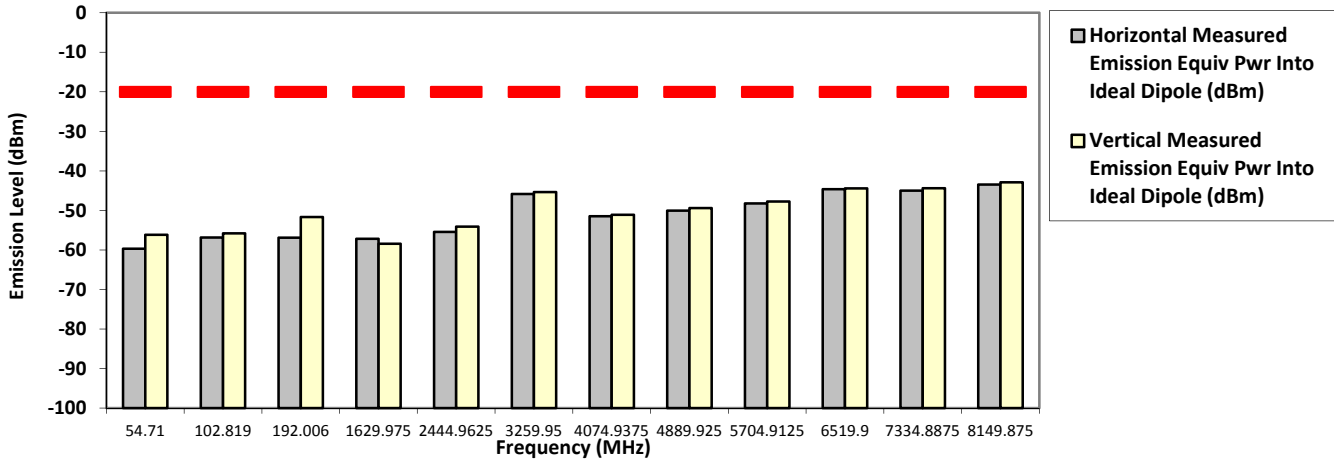
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
814.987500 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)
54.7100	-20.0000	-59.6700 *	-56.1700 *
102.8190	-20.0000	-56.8600 *	-55.8000 *
192.0060	-20.0000	-56.8900 *	-51.6700 *
1629.9750	-20.0000	-57.1583 **	-58.4041 **
2444.9625	-20.0000	-55.4295 **	-54.0933 **
3259.9500	-20.0000	-45.8400 *	-45.3400 *
4074.9375	-20.0000	-51.4809 **	-51.0846 **
4889.9250	-20.0000	-50.0320 **	-49.4028 **
5704.9125	-20.0000	-48.2219 **	-47.7464 **
6519.9000	-20.0000	-44.6176 **	-44.4072 **
7334.8875	-20.0000	-44.9994 **	-44.3624 **
8149.8750	-20.0000	-43.4686 **	-42.8807 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

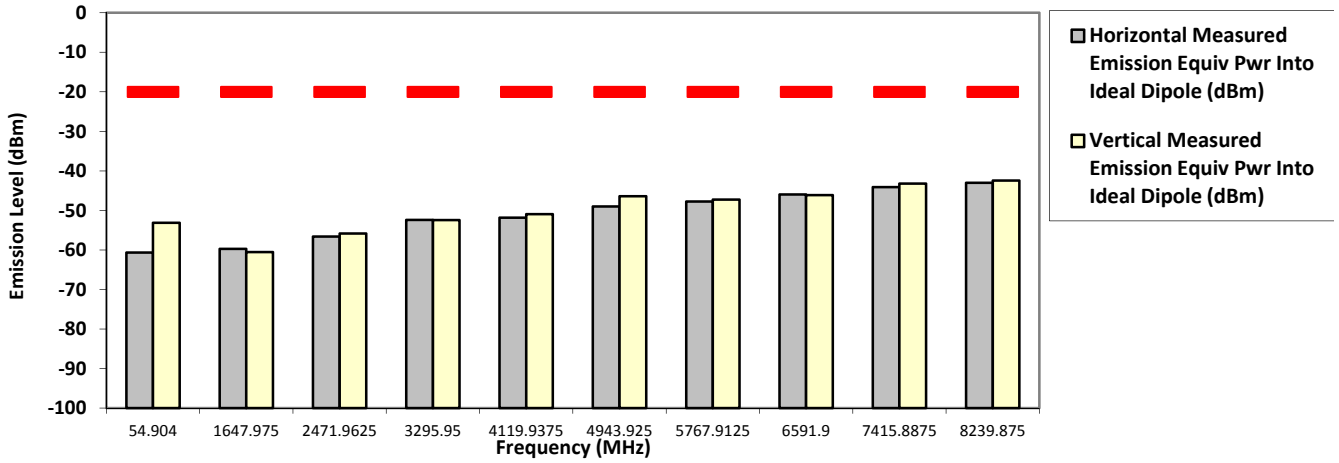
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

823.987500 MHz **12.5 kHz** **3.000 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)
54.9040	-20.0000	-60.6400 *	-53.1200 *
1647.9750	-20.0000	-59.7224 **	-60.5095 **
2471.9625	-20.0000	-56.6042 **	-55.8158 **
3295.9500	-20.0000	-52.4133 **	-52.4309 **
4119.9375	-20.0000	-51.8137 **	-50.9239 **
4943.9250	-20.0000	-48.9967 **	-46.3947 **
5767.9125	-20.0000	-47.7392 **	-47.2363 **
6591.9000	-20.0000	-45.9556 **	-46.1219 **
7415.8875	-20.0000	-44.1073 **	-43.1962 **
8239.8750	-20.0000	-43.0250 **	-42.4305 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

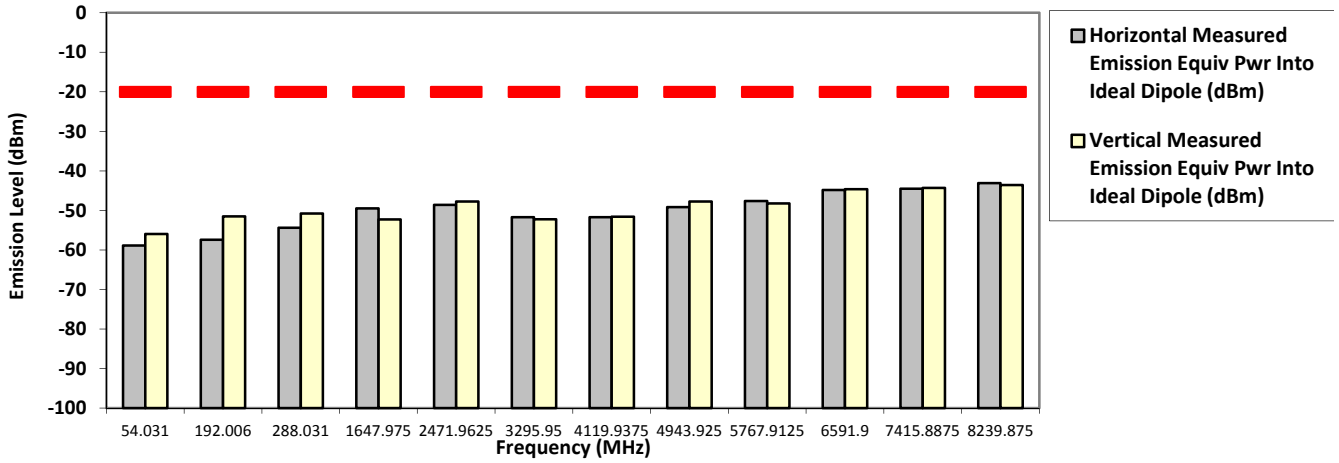
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
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)
54.0310	-20.0000	-58.8800 *	-55.9600 *
192.0060	-20.0000	-57.4300 *	-51.5100 *
288.0310	-20.0000	-54.3700 *	-50.7700 *
1647.9750	-20.0000	-49.5000 *	-52.2700 *
2471.9625	-20.0000	-48.5900 *	-47.7500 *
3295.9500	-20.0000	-51.7157 **	-52.2228 **
4119.9375	-20.0000	-51.7058 **	-51.5948 **
4943.9250	-20.0000	-49.1697 **	-47.7473 **
5767.9125	-20.0000	-47.6279 **	-48.2200 **
6591.9000	-20.0000	-44.8407 **	-44.6248 **
7415.8875	-20.0000	-44.4951 **	-44.2952 **
8239.8750	-20.0000	-43.0973 **	-43.5847 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

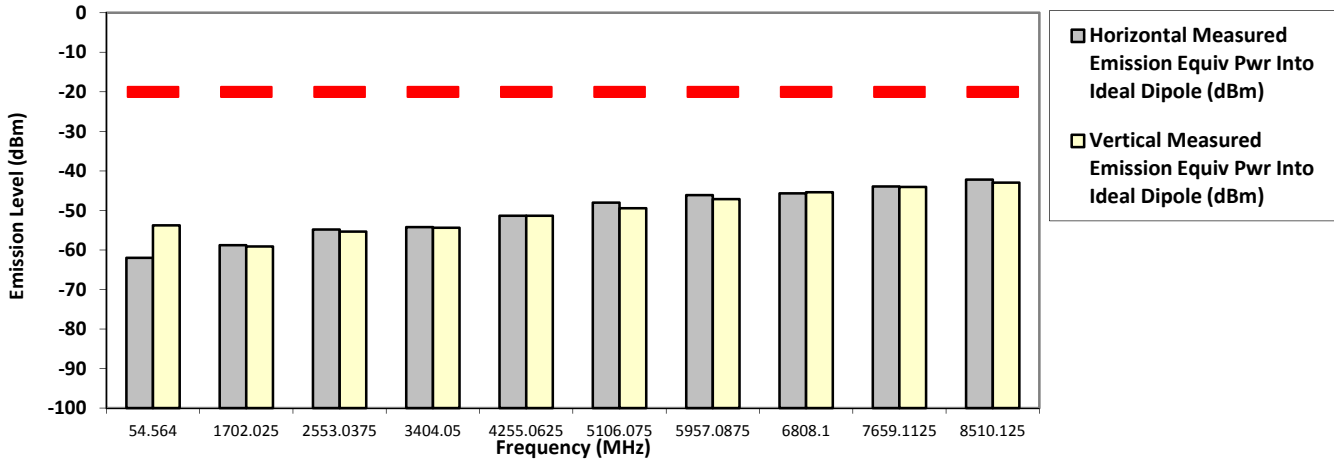
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

851.012500 MHz **12.5 kHz** **3.000 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)
54.5640	-20.0000	-61.9700 *	-53.7600 *
1702.0250	-20.0000	-58.7995 **	-59.1306 **
2553.0375	-20.0000	-54.8097 **	-55.3351 **
3404.0500	-20.0000	-54.1957 **	-54.3901 **
4255.0625	-20.0000	-51.3401 **	-51.3514 **
5106.0750	-20.0000	-48.0078 **	-49.4411 **
5957.0875	-20.0000	-46.1019 **	-47.1481 **
6808.1000	-20.0000	-45.6792 **	-45.3923 **
7659.1125	-20.0000	-43.9307 **	-44.0661 **
8510.1250	-20.0000	-42.2036 **	-42.9821 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

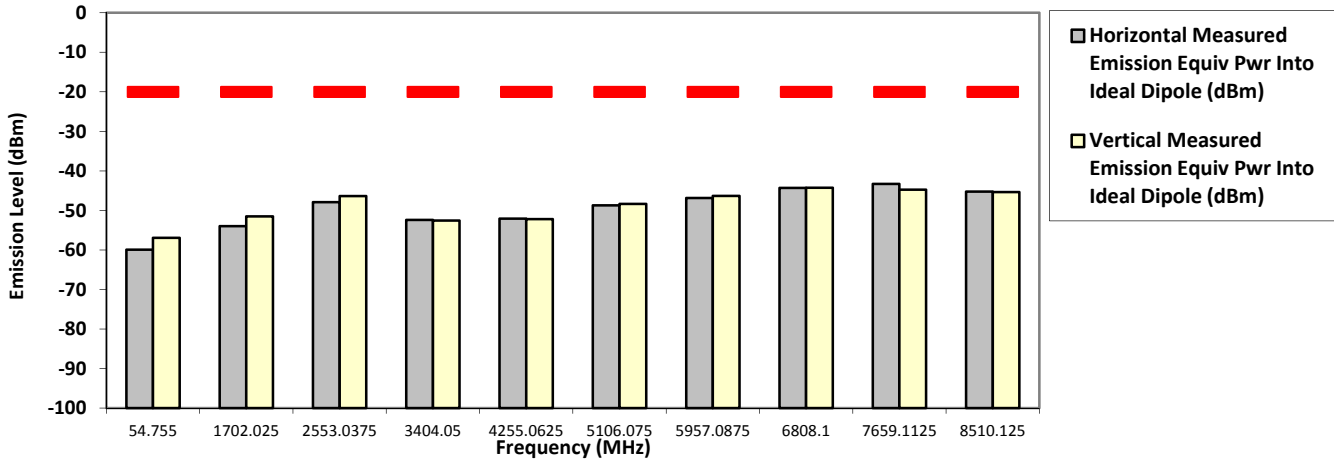
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
851.012500 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)
54.7550	-20.0000	-59.9400 *	-56.9300 *
1702.0250	-20.0000	-53.9600 *	-51.5200 *
2553.0375	-20.0000	-47.9200 *	-46.3600 *
3404.0500	-20.0000	-52.3923 **	-52.5561 **
4255.0625	-20.0000	-52.0743 **	-52.2012 **
5106.0750	-20.0000	-48.7138 **	-48.3503 **
5957.0875	-20.0000	-46.8549 **	-46.3396 **
6808.1000	-20.0000	-44.3014 **	-44.2547 **
7659.1125	-20.0000	-43.2913 **	-44.7615 **
8510.1250	-20.0000	-45.2220 **	-45.3330 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

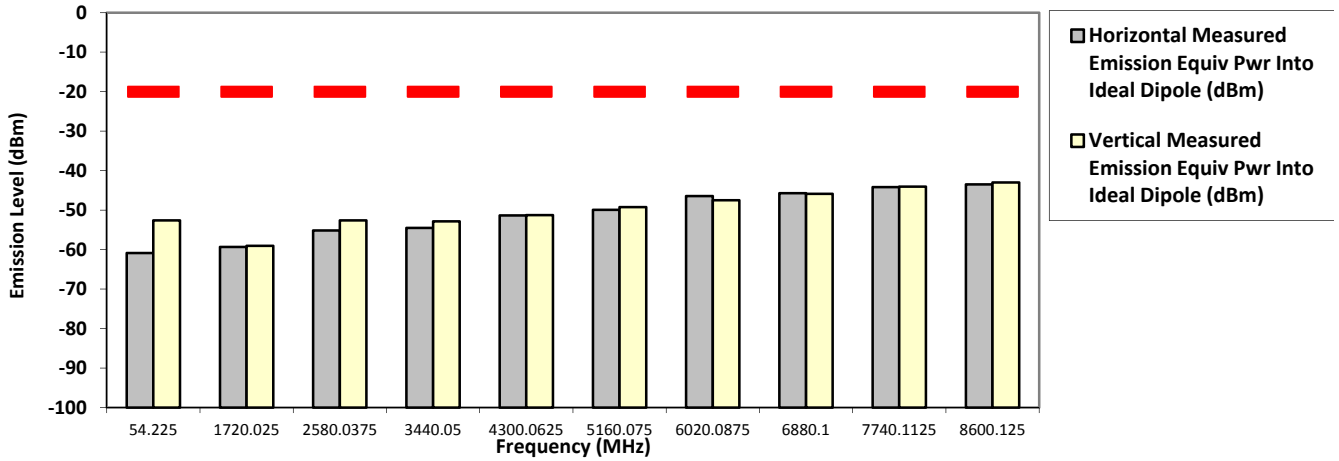
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

860.012500 MHz **12.5 kHz** **3.000 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)
54.2250	-20.0000	-60.8600 *	-52.5900 *
1720.0250	-20.0000	-59.3297 **	-59.0326 **
2580.0375	-20.0000	-55.1392 **	-52.6224 **
3440.0500	-20.0000	-54.5080 **	-52.8667 **
4300.0625	-20.0000	-51.3614 **	-51.2669 **
5160.0750	-20.0000	-49.9485 **	-49.2578 **
6020.0875	-20.0000	-46.4544 **	-47.5106 **
6880.1000	-20.0000	-45.7264 **	-45.8797 **
7740.1125	-20.0000	-44.1768 **	-44.0682 **
8600.1250	-20.0000	-43.5036 **	-43.0000 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

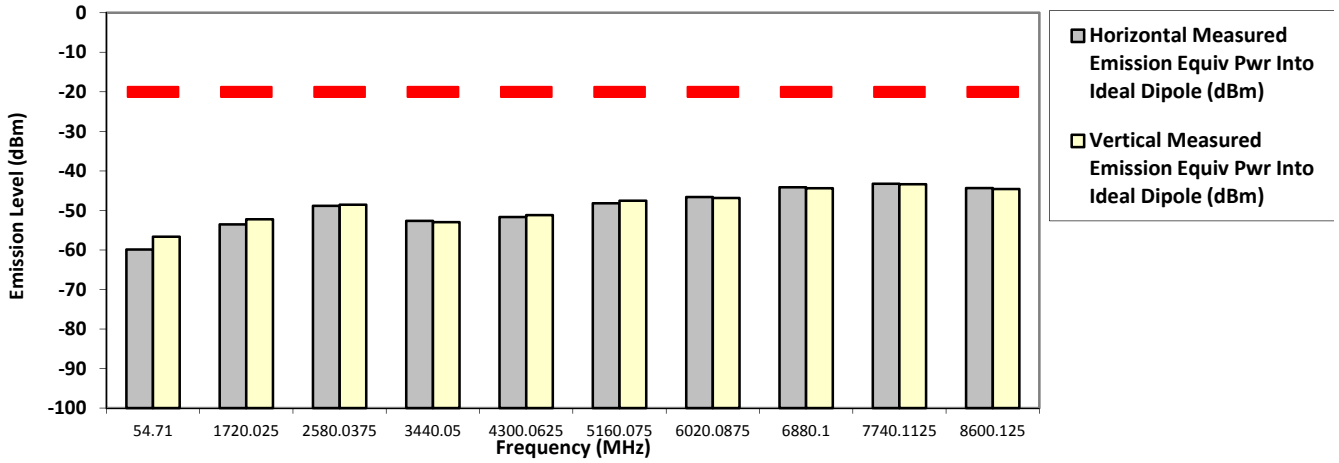
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
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)
54.7100	-20.0000	-59.8700 *	-56.6300 *
1720.0250	-20.0000	-53.5400 *	-52.2200 *
2580.0375	-20.0000	-48.8400 *	-48.5600 *
3440.0500	-20.0000	-52.6535 **	-52.9402 **
4300.0625	-20.0000	-51.6653 **	-51.1962 **
5160.0750	-20.0000	-48.1734 **	-47.5228 **
6020.0875	-20.0000	-46.5910 **	-46.8423 **
6880.1000	-20.0000	-44.1554 **	-44.3803 **
7740.1125	-20.0000	-43.2375 **	-43.3845 **
8600.1250	-20.0000	-44.3215 **	-44.6008 **

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: Azil, Faris & Aiman **Sun, Apr 21, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3478** **SR:14913-EMC-00025**

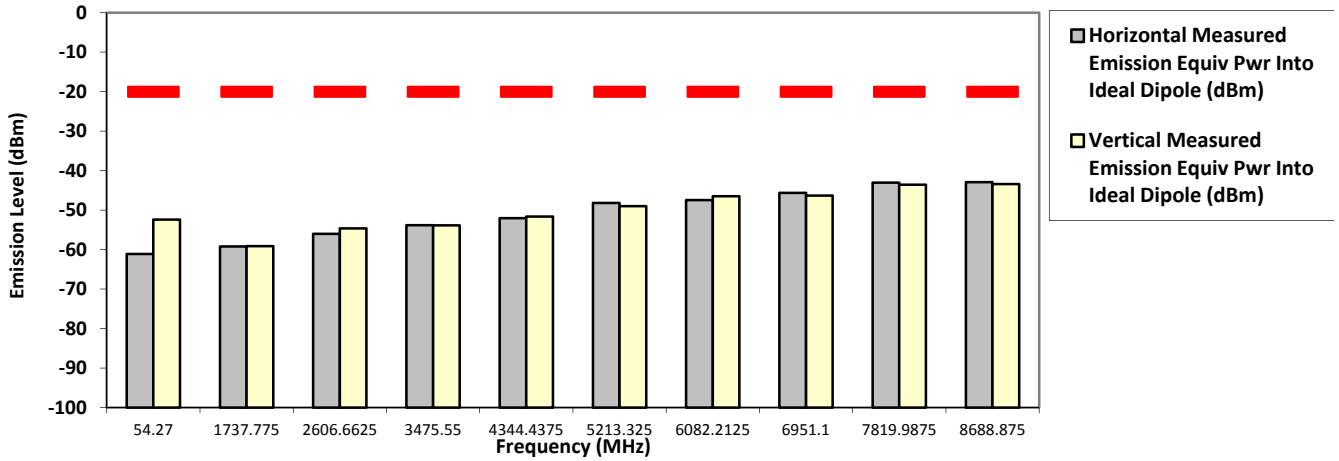
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**

Test Mode: TX APCO Digital Phase II

868.887500 MHz **12.5 kHz** **3.000 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)
54.2700	-20.0000	-61.1300 *	-52.4200 *
1737.7750	-20.0000	-59.1971 **	-59.1354 **
2606.6625	-20.0000	-56.0218 **	-54.6415 **
3475.5500	-20.0000	-53.8294 **	-53.8728 **
4344.4375	-20.0000	-52.0504 **	-51.6337 **
5213.3250	-20.0000	-48.1838 **	-49.0039 **
6082.2125	-20.0000	-47.4636 **	-46.4834 **
6951.1000	-20.0000	-45.6422 **	-46.3322 **
7819.9875	-20.0000	-43.0428 **	-43.5508 **
8688.8750	-20.0000	-42.9308 **	-43.3893 **

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&Azil **Thu, Jun 20, 2019**

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): 70.6

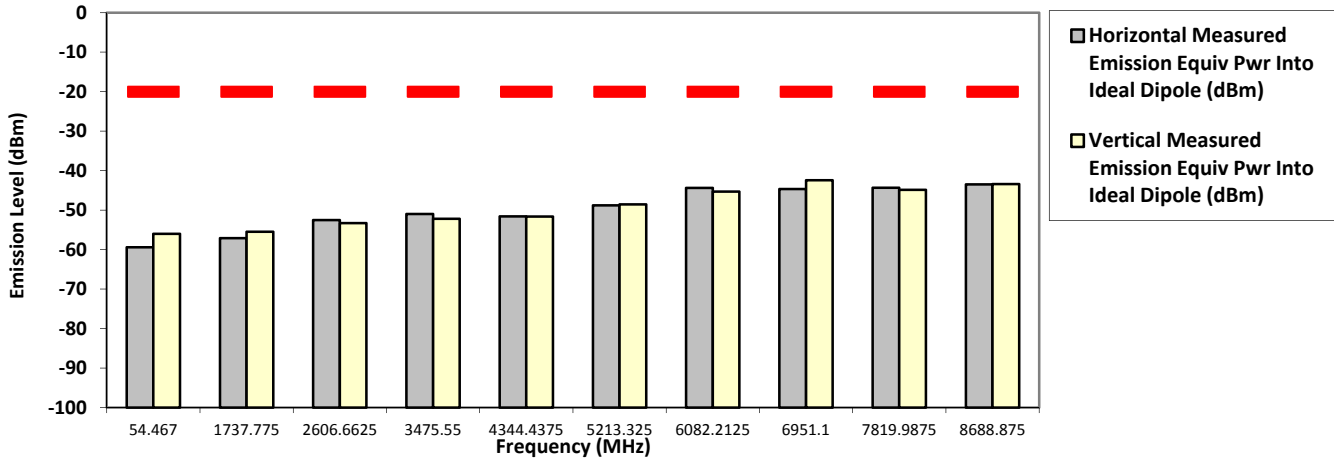
System MU: 5.01 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25URS9PW1BN S/N: 471TVF3478 **SR:14913-EMC-00025**
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1**
Test Mode: TX APCO Digital Phase II
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)
54.4670	-20.0000	-59.4100 *	-56.0100 *
1737.7750	-20.0000	-57.1159 **	-55.5001 **
2606.6625	-20.0000	-52.5102 **	-53.2766 **
3475.5500	-20.0000	-50.9790 **	-52.1906 **
4344.4375	-20.0000	-51.6054 **	-51.6175 **
5213.3250	-20.0000	-48.7993 **	-48.5631 **
6082.2125	-20.0000	-44.3949 **	-45.3277 **
6951.1000	-20.0000	-44.6798 **	-42.4291 **
7819.9875	-20.0000	-44.3450 **	-44.8706 **
8688.8750	-20.0000	-43.5028 **	-43.4045 **

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: Azil, Faris & Aiman **Wed, Apr 24, 2019**

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): 22.7 Hum(%RH): 70.5

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN **S/N: 471TVF3308** **SR:14913-EMC-00048**

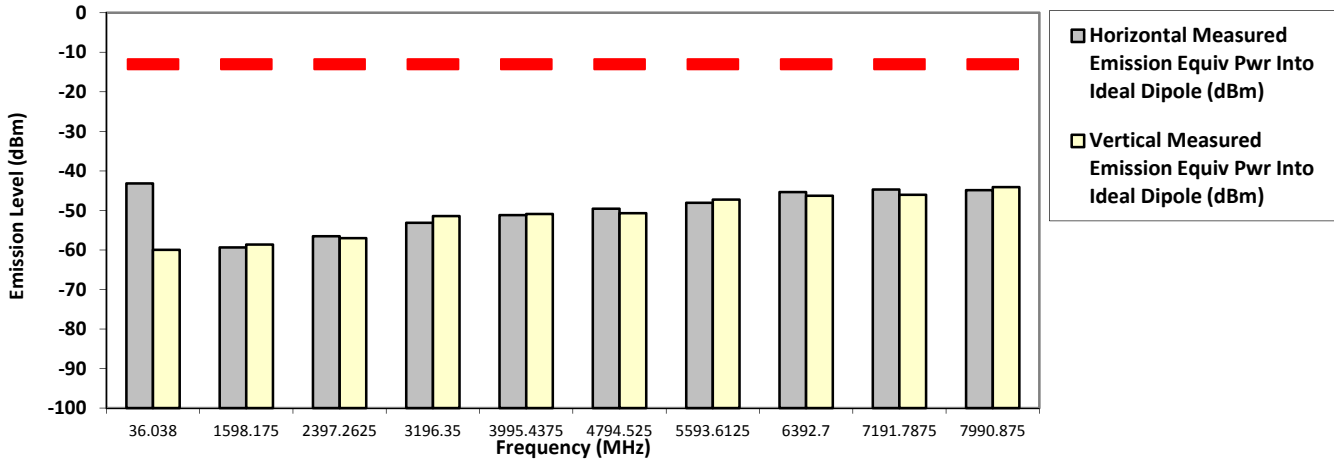
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PHCN4000E-C5, PHLN1002A-C2, HKN6164B-CF1, 657-HKN6188B, PMUN1083A-C3**

Test Mode: TX APCO Digital Phase II

799.087500 MHz **12.5 kHz** **36.000 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)
36.0380	-13.0000	-43.1700 *	-59.9500 *
1598.1750	-13.0000	-59.3506 **	-58.6096 **
2397.2625	-13.0000	-56.5374 **	-56.9895 **
3196.3500	-13.0000	-53.1217 **	-51.4216 **
3995.4375	-13.0000	-51.1955 **	-50.8891 **
4794.5250	-13.0000	-49.5670 **	-50.6774 **
5593.6125	-13.0000	-48.0703 **	-47.2567 **
6392.7000	-13.0000	-45.3404 **	-46.2688 **
7191.7875	-13.0000	-44.7145 **	-46.0374 **
7990.8750	-13.0000	-44.8777 **	-44.0975 **

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: Azil, Faris & Aiman **Sat, Apr 27, 2019**

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): 22.5 Hum(%RH): 69.3

System MU: 4.9 dB

Remarks:	Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25URS9PW1BN S/N: 471TVF3361 SR:14913-EMC-00028

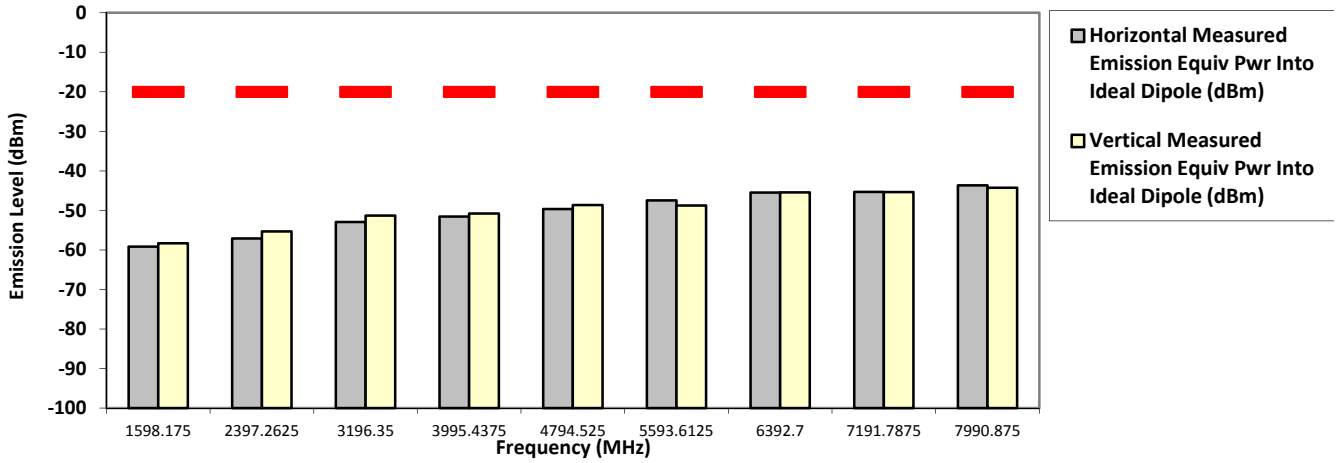
Battery Part No: NA Accy Part No: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF2, PMUN1057B-CF1, HKN6164B-CF1, 657-HKN6188B, PMUF1969A, PMUN1083A-CF2

Test Mode: TX APCO Digital Phase II

799.087500 MHz 12.5 kHz 36.000 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)
1598.1750	-20.0000	-59.1543 **	-58.2917 **
2397.2625	-20.0000	-57.0897 **	-55.3093 **
3196.3500	-20.0000	-52.9042 **	-51.2833 **
3995.4375	-20.0000	-51.5611 **	-50.7696 **
4794.5250	-20.0000	-49.6247 **	-48.6217 **
5593.6125	-20.0000	-47.4450 **	-48.7410 **
6392.7000	-20.0000	-45.4597 **	-45.4421 **
7191.7875	-20.0000	-45.2948 **	-45.3701 **
7990.8750	-20.0000	-43.6563 **	-44.2637 **

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: Azil, Faris & Aiman Sat, Apr 27, 2019

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): 22.5 Hum(%RH): 69.3

System MU: 4.9 dB

Remarks:	Passed Results	**Marginal Results**	**Failed Results**

6.11.4. Test Limit

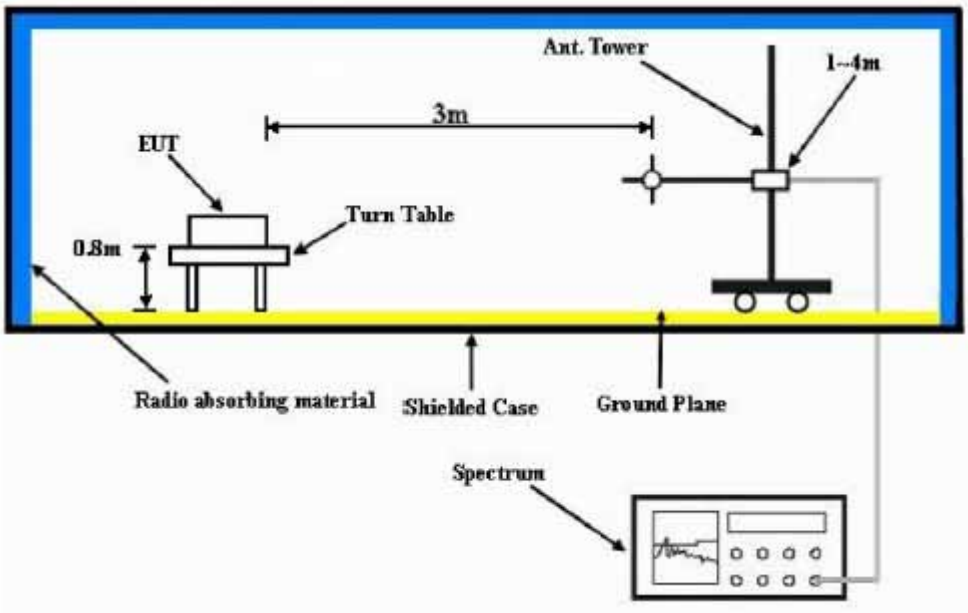
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz		Not Applicable		43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz	Not Applicable	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

6.12. Effective Radiated Power (ERP)

6.12.1. Test Setup



1) The Resolution Bandwidth for Equivalent Radiated Power (ERP) below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for EIRP above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector Mode is RMS.
2) In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval 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 for each degree interval. The "Read Value" is the spectrum reading of 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.

6.12.2. Test Result

EIRP/ERP

S/N: 471TVF3461 **Tx Power: 2.000 Watts**
Ch. Spacing: 12.5kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	769.0125	24.59	22.44
Vert.	769.0125	31.35	29.20

EIRP/ERP

S/N: 471TVF3461 **Tx Power: 36.000 Watts**
Ch. Spacing: 12.5kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	769.0875	34.65	32.50
Vert.	769.0875	44.01	41.86

EIRP/ERP

S/N: 471TVF3461 **Tx Power: 2.000 Watts**
Ch. Spacing: 12.5kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	799.0125	20.21	18.06
Vert.	799.0125	33.90	31.75

EIRP/ERP

S/N: 471TVF3461 **Tx Power: 36.000 Watts**
Ch. Spacing: 12.5kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	804.9125	30.92	28.77
Vert.	804.9125	46.05	43.90

EIRP/ERP

S/N: 471TVF3348 **Tx Power: 18.000 Watts**
Ch. Spacing: 12.5kHz **Modulation: FM**
Accessory: AN000197A10, HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF2, PMUN1057B-CF1, HKN6164B-CF1, 657-HKN6188B, PMUN1083A-CF3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	799.0125	37.96	35.81
Vert.	799.0125	44.34	42.19

EIRP/ERP

S/N: 471TVF3308 **Tx Power: 2.000 Watts**
Ch. Spacing: 12.5kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PHCN4000E-C5, PHLN1002A-C2, HKN6164B-CF1, 657-HKN6188B, PMUN1083A-C3

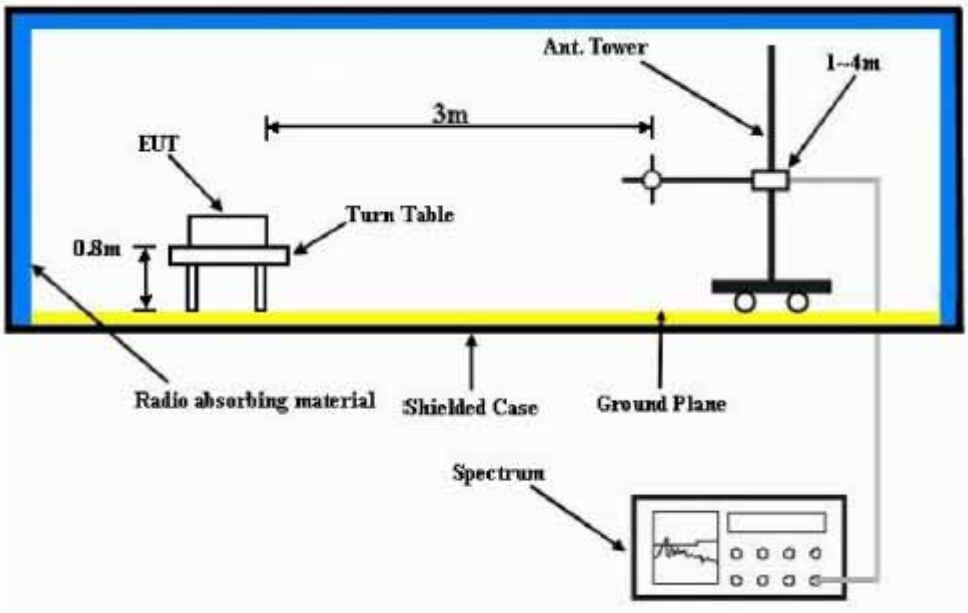
Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Horiz.	799.0125	21.91	19.76
Vert.	799.0125	33.80	31.65

6.12.3. Test Limit

The maximum output power of the transmitter for mobile stations is 100 watts (20 dB). Power is given in terms of effective radiated power (ERP).

6.13. GNSS (EIRP for 1559 - 1610MHz)

6.13.1. Test Setup



4) The Resolution Bandwidth for Equivalent Isotropically Radiated Power (EIRP) below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for EIRP above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector Mode is RMS.
5) In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval 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 for each degree interval. The "Read Value" is the spectrum reading of maximum power value.
6) 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.
7) EIRP = "Read Value" + Measured substitution value + 2.15.

6.13.2. Test Result

EIRP in RNSS band (1.559GHz to 1.610GHz)

S/N: 471TVF3461 **Tx Power: 36.000 Watts**
Channel Spacing: 12.5 kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF1, HAF4014A, AN000163A01

Frequency Channel: 799.0875 MHz (36.000 Watts)

Antenna Polarization	2Fc (MHz)	EIRP (dBm)	Limit (dBm)
Horizontal	1598.175	-49.29	-40
Vertical	1598.175	-46.49	-40

Frequency Channel: 804.9125 MHz (36.000 Watts)

Antenna Polarization	2Fc (MHz)	EIRP (dBm)	Limit (dBm)
Horizontal	1609.825	-56.38	-40
Vertical	1609.825	-53.59	-40

EIRP in RNSS band (1.559GHz to 1.610GHz)

S/N: 471TVF3348 **Tx Power: 18.000 Watts**
Channel Spacing: 12.5 kHz **Modulation: FM**
Accessory: AN000197A10, HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PMHN4194C-CF2, PMUN1057B-CF1, HKN6164B-CF1, 657-HKN6188B, PMUN1083A-CF3

Frequency Channel: 804.9125 MHz (18.000 Watts)

Antenna Polarization	2Fc (MHz)	EIRP (dBm)	Limit (dBm)
Horizontal	1609.825	-50.10	-40
Vertical	1609.825	-47.85	-40

EIRP in RNSS band (1.559GHz to 1.610GHz)

S/N: 471TVF3308 **Tx Power: 36.000 Watts**
Channel Spacing: 12.5 kHz **Modulation: FM**
Accessory: HMN4079G-CF1, HSN4040A-CF1, 657-HKN4191B-03, HKN6163C-CF1, PHCN4000E-C5, PHLN1002A-C2, HKN6164B-CF1, 657-HKN6188B, PMUN1083A-C3
Frequency Channel: 804.9125 MHz (36.000 Watts)

Antenna Polarization	2Fc (MHz)	EIRP (dBm)	Limit (dBm)
Horizontal	1609.825	-51.53	-40
Vertical	1609.825	-51.01	-40

6.13.3. Test Limit

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

~ End of Report ~