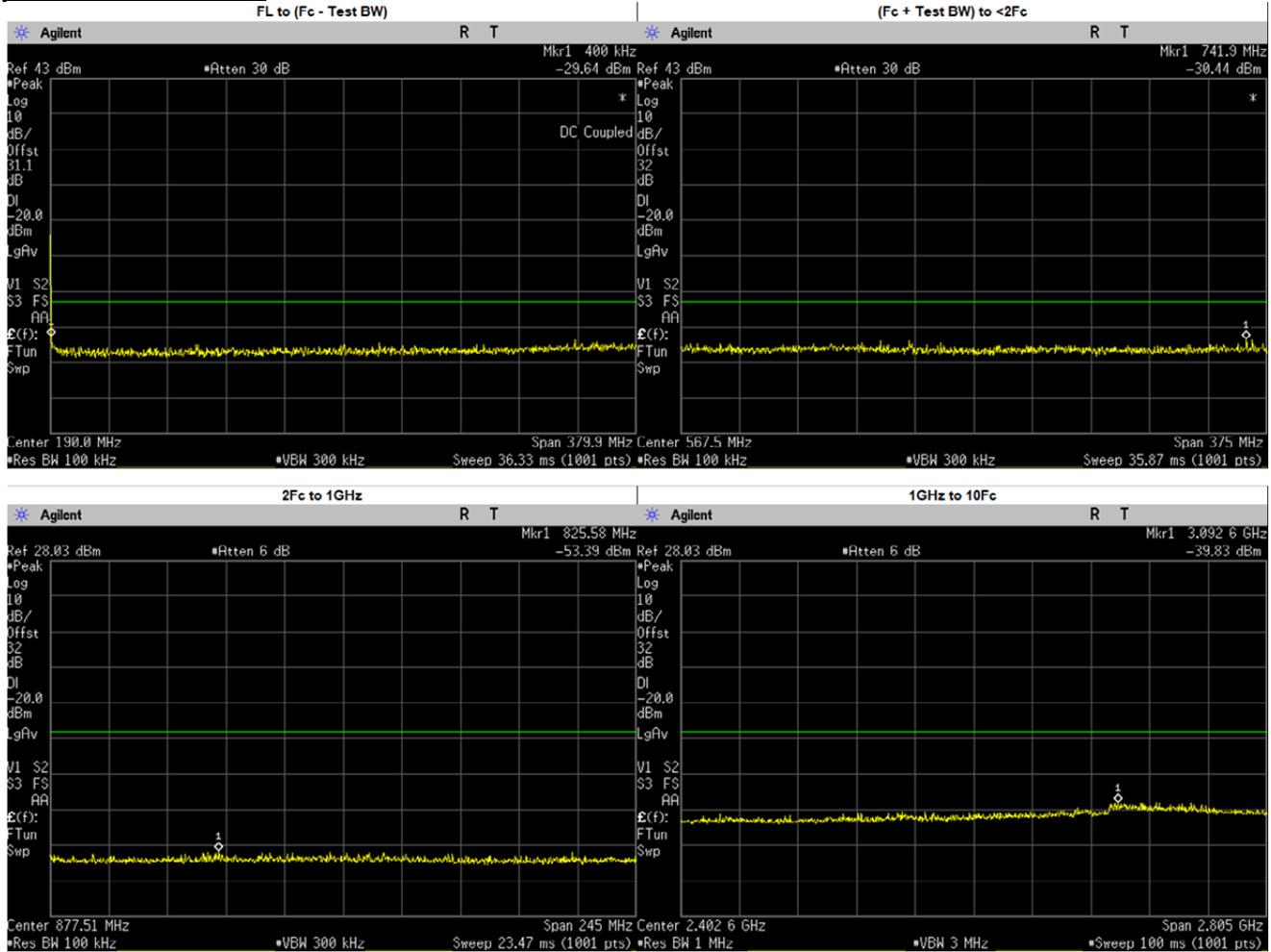


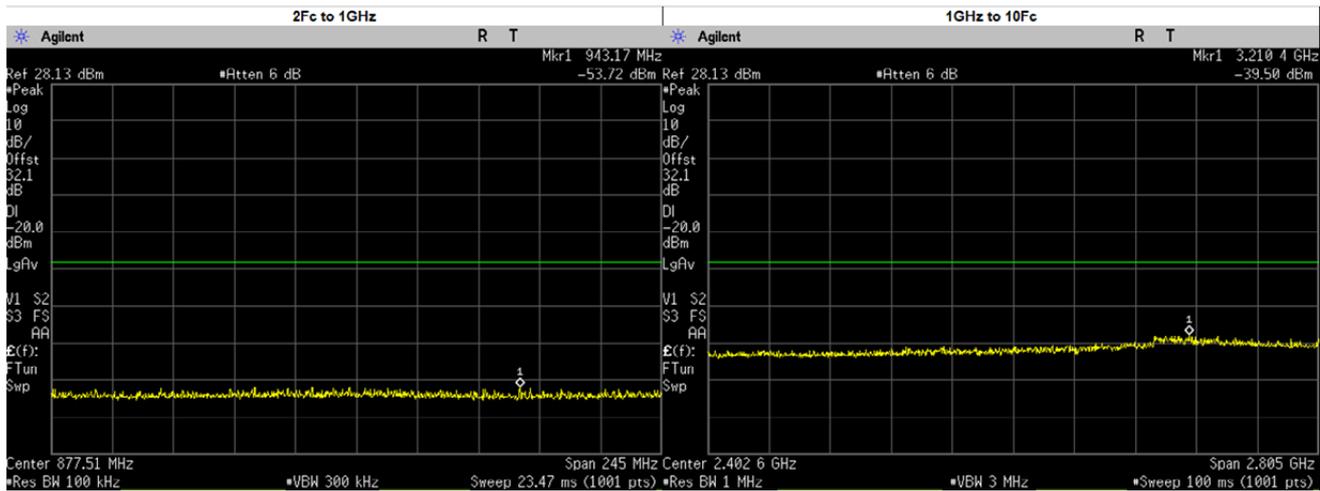
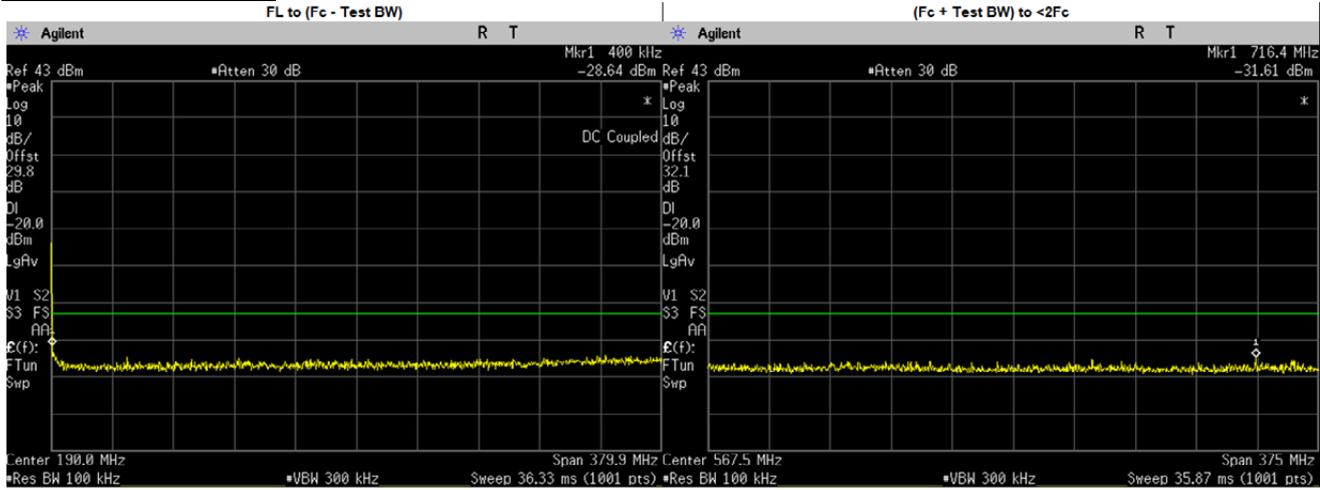
6.10.3. Test Result (Digital)

Digital : 380.0125 MHz, 12.5kHz Channel Spacing, Max Power
Not for FCC Review



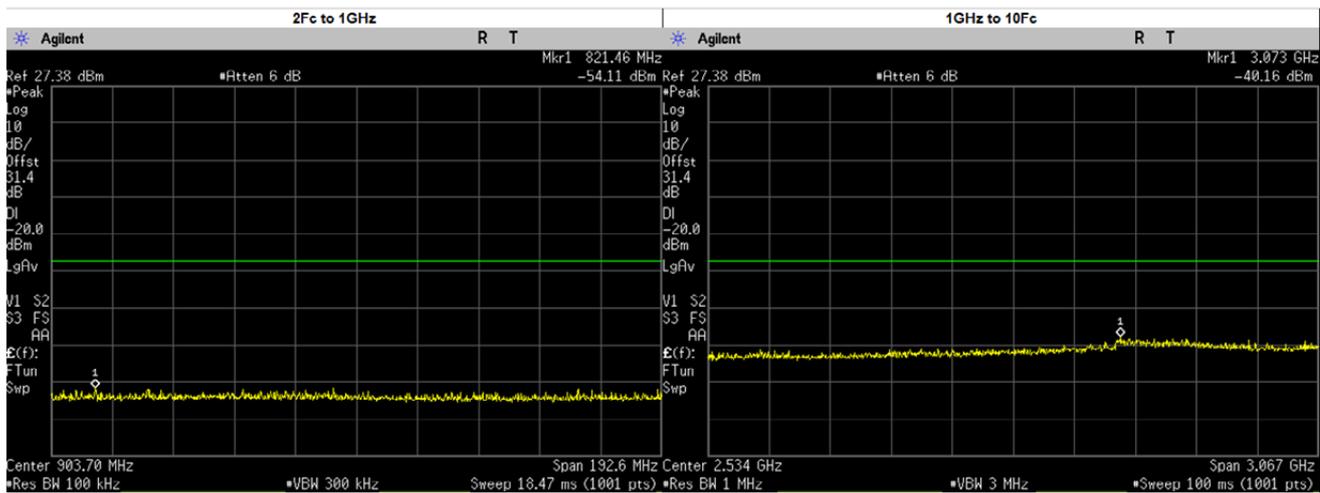
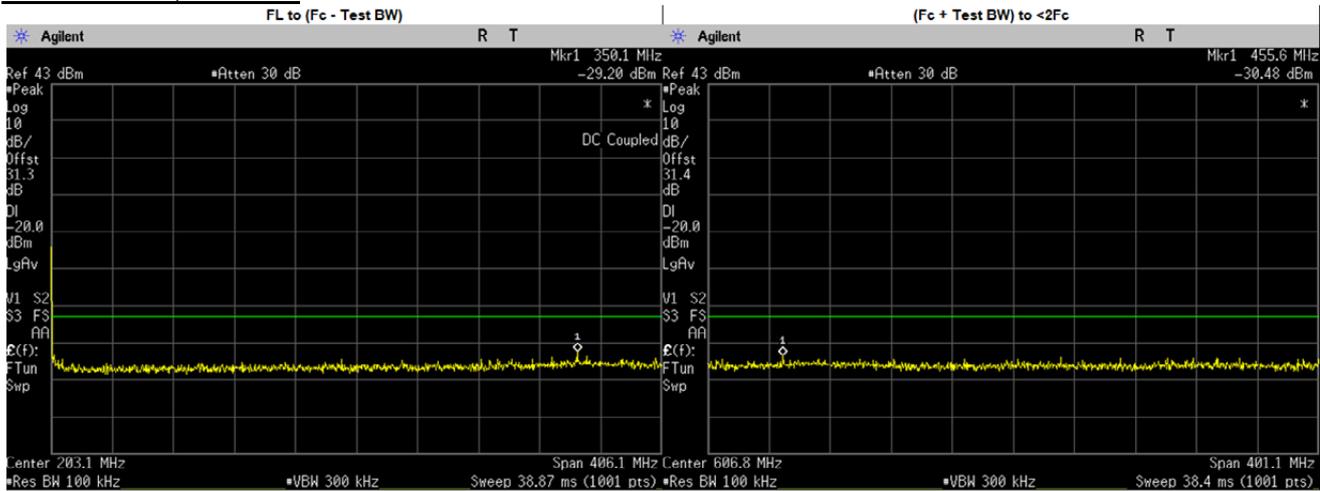
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	340.0623	-30.9018	-20	PASS
(Fc + Test BW) to <2Fc	741.9015	-30.4400	-20	PASS
2Fc to 1GHz	825.5778	-53.3900	-20	PASS
	760.0250	-55.8104	-20	PASS
1GHz to 10Fc	1140.0370	-45.1162	-20	PASS
	1520.0500	-44.4491	-20	PASS
	1900.0620	-45.0079	-20	PASS
	2280.0750	-44.8042	-20	PASS
	2660.0880	-43.8731	-20	PASS
	3040.1000	-43.0731	-20	PASS
	3420.1130	-42.0990	-20	PASS
	3800.1250	-42.5903	-20	PASS
	3092.6230	-39.8300	-20	PASS

Digital : 380.0125 MHz, 12.5kHz Channel Spacing, Low Power
Not for FCC Review



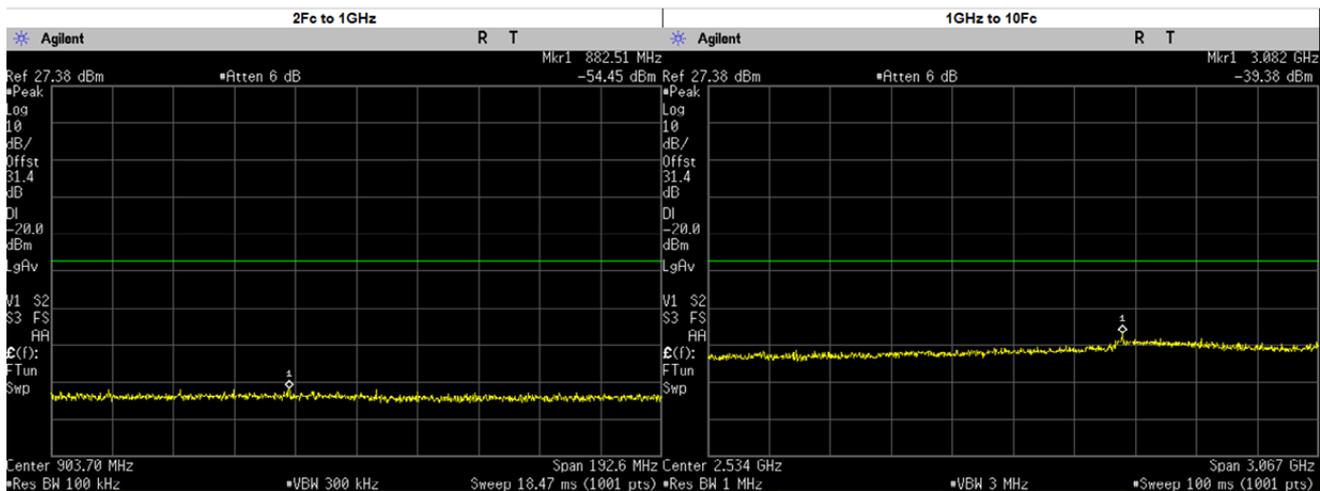
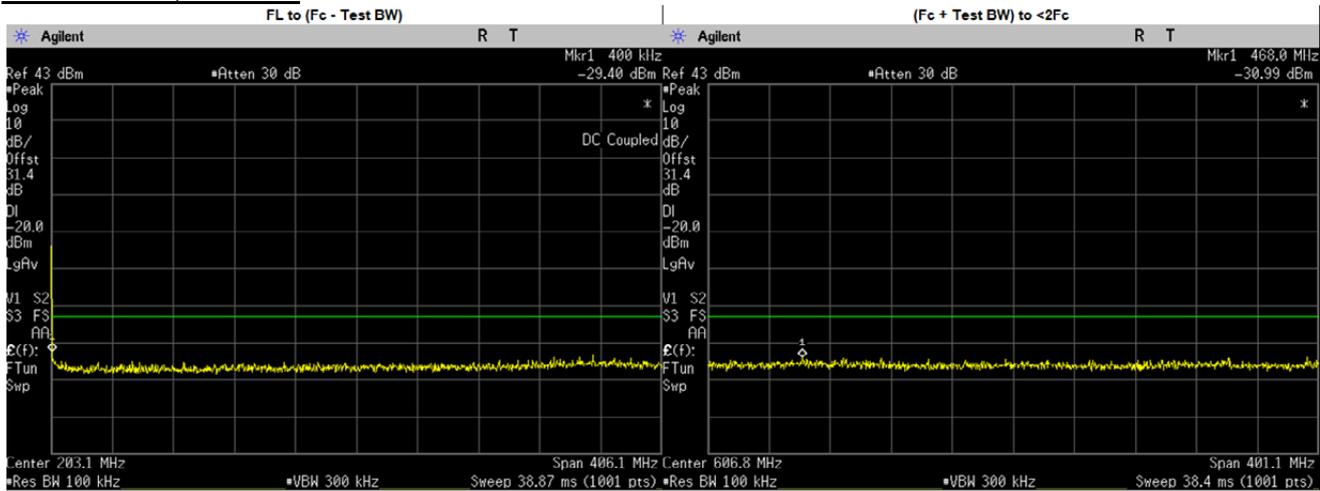
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	345.0017	-29.9323	-20	PASS
(Fc + Test BW) to <2Fc	716.4044	-31.6100	-20	PASS
2Fc to 1GHz	943.1658	-53.7200	-20	PASS
	760.0250	-55.7297	-20	PASS
1GHz to 10Fc	1140.0370	-45.1840	-20	PASS
	1520.0500	-44.9087	-20	PASS
	1900.0620	-44.0690	-20	PASS
	2280.0750	-44.2211	-20	PASS
	2660.0880	-43.9964	-20	PASS
	3040.1000	-42.7493	-20	PASS
	3420.1130	-42.2406	-20	PASS
	3800.1250	-42.5224	-20	PASS
	3210.4390	-39.5000	-20	PASS

**Digital : 406.2 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



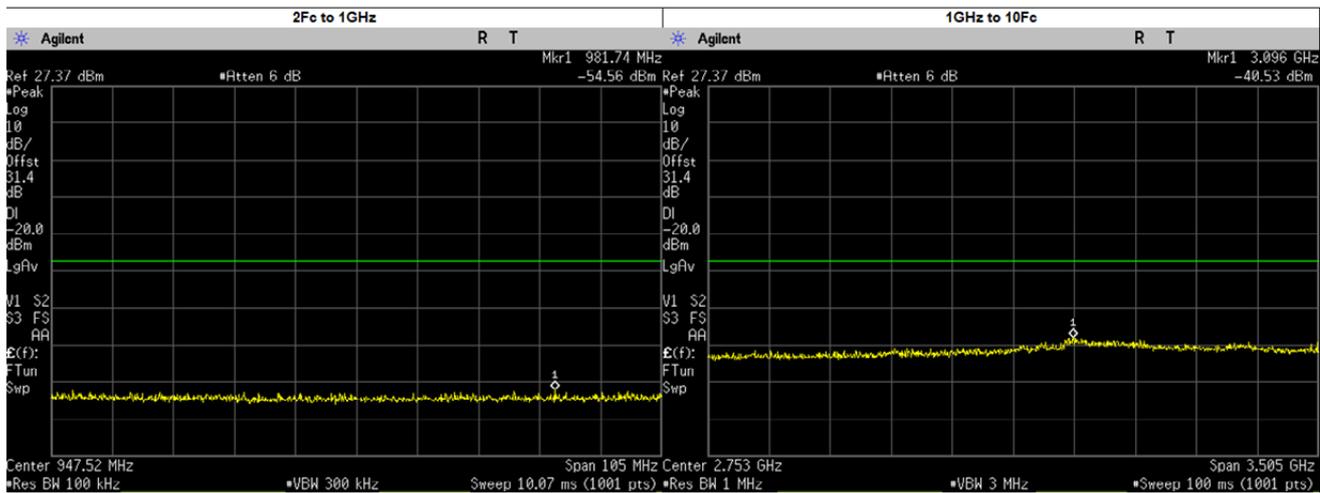
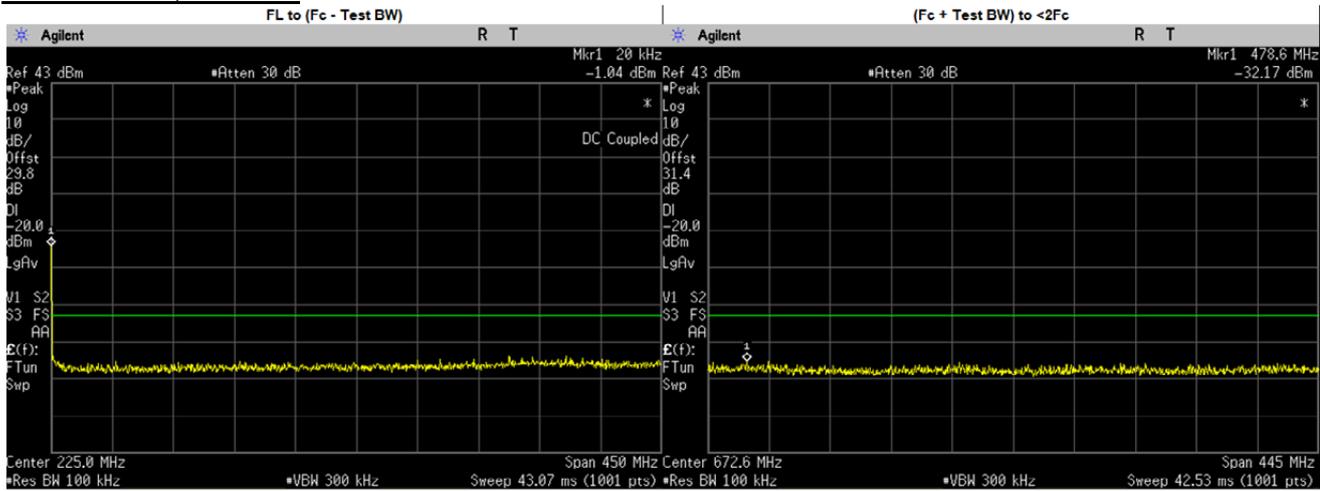
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	350.0977	-29.2000	-20	PASS
(Fc + Test BW) to <2Fc	455.5964	-30.4800	-20	PASS
2Fc to 1GHz	821.4598	-54.1100	-20	PASS
	812.4000	-56.4219	-20	PASS
1GHz to 10Fc	3073.2920	-40.1600	-20	PASS
	1218.6000	-45.7280	-20	PASS
	1624.8000	-45.9002	-20	PASS
	2031.0000	-44.9413	-20	PASS
	2437.2000	-44.7190	-20	PASS
	2843.4000	-43.4179	-20	PASS
	3249.6000	-42.2251	-20	PASS
	3655.8000	-43.1766	-20	PASS
4062.0000	-42.9728	-20	PASS	

**Digital : 406.2 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



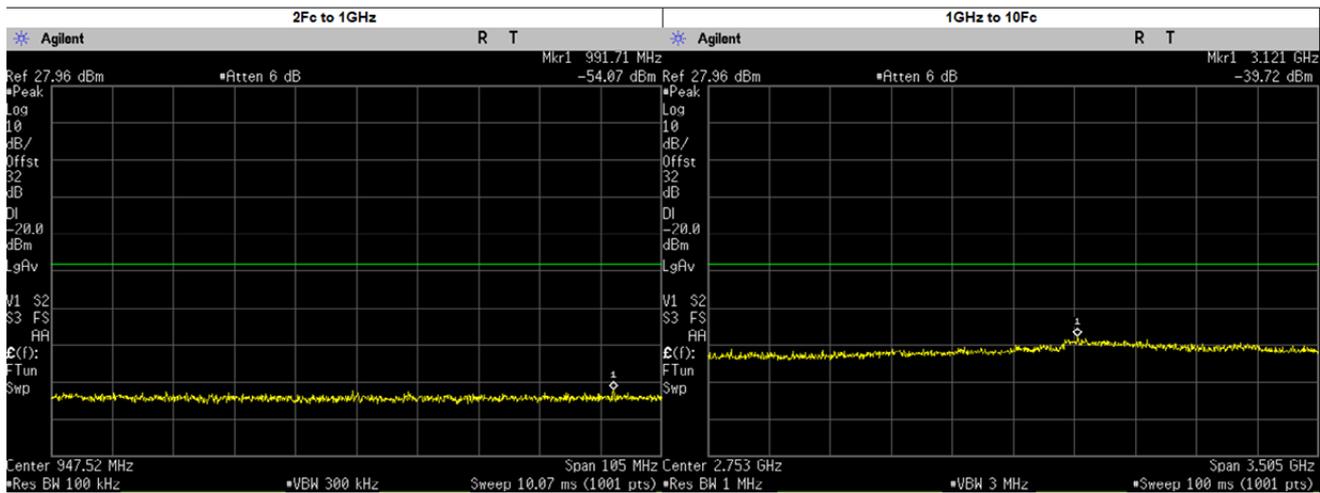
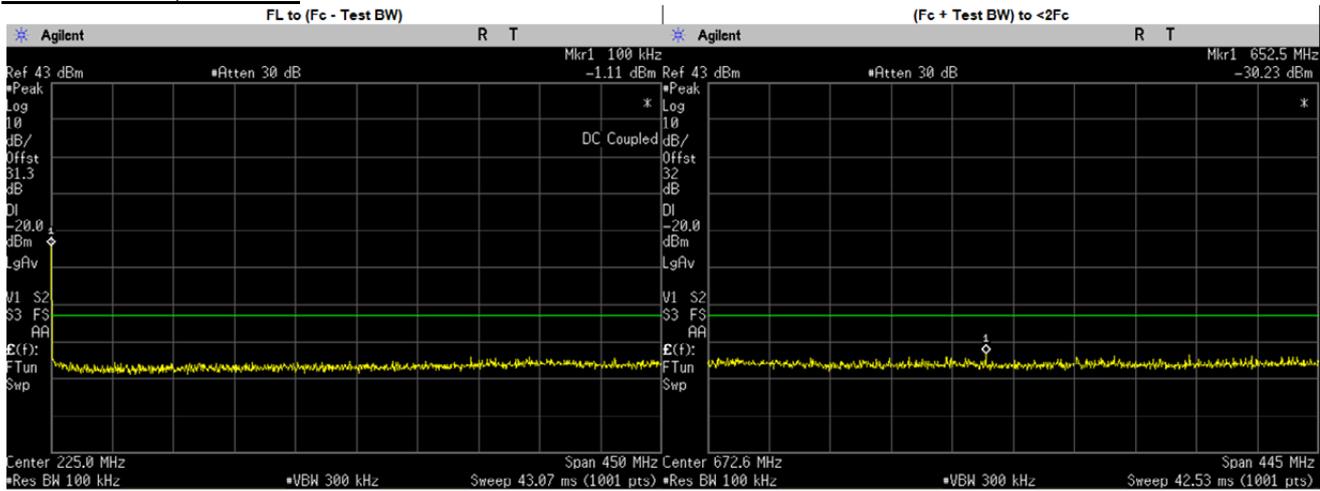
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	360.2511	-30.3806	-20	PASS
(Fc + Test BW) to <2Fc	468.0319	-30.9900	-20	PASS
2Fc to 1GHz	882.5140	-54.4500	-20	PASS
	812.4000	-56.6502	-20	PASS
1GHz to 10Fc	1218.6000	-45.5243	-20	PASS
	1624.8000	-45.7455	-20	PASS
	2031.0000	-44.3162	-20	PASS
	2437.2000	-43.9128	-20	PASS
	2843.4000	-44.1300	-20	PASS
	3249.6000	-42.0560	-20	PASS
	3655.8000	-42.7050	-20	PASS
	4062.0000	-42.8308	-20	PASS
	3082.4930	-39.3800	-20	PASS

**Digital : 450.025 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



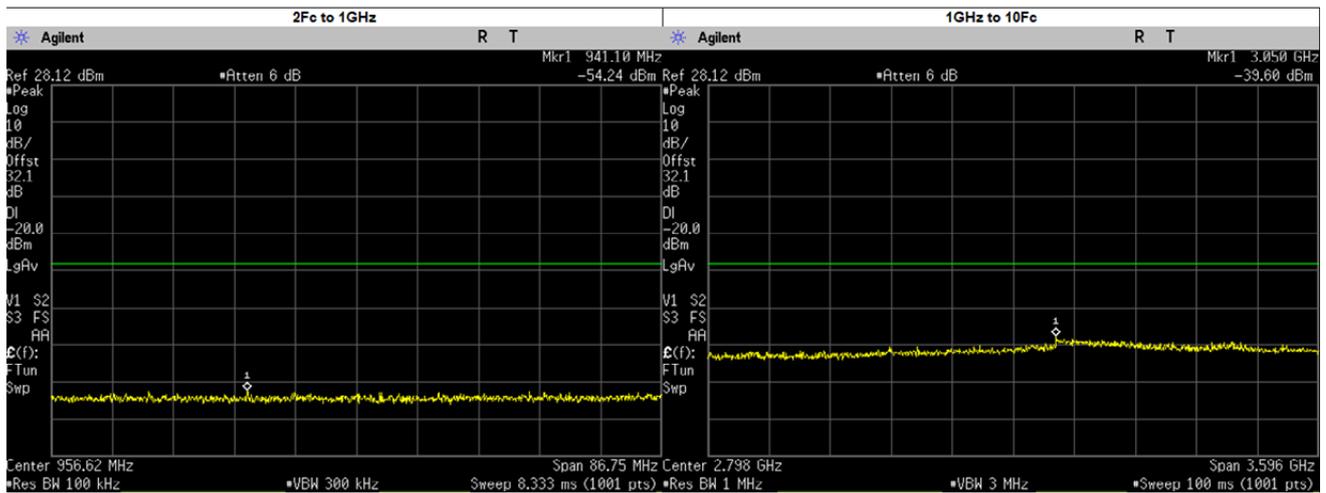
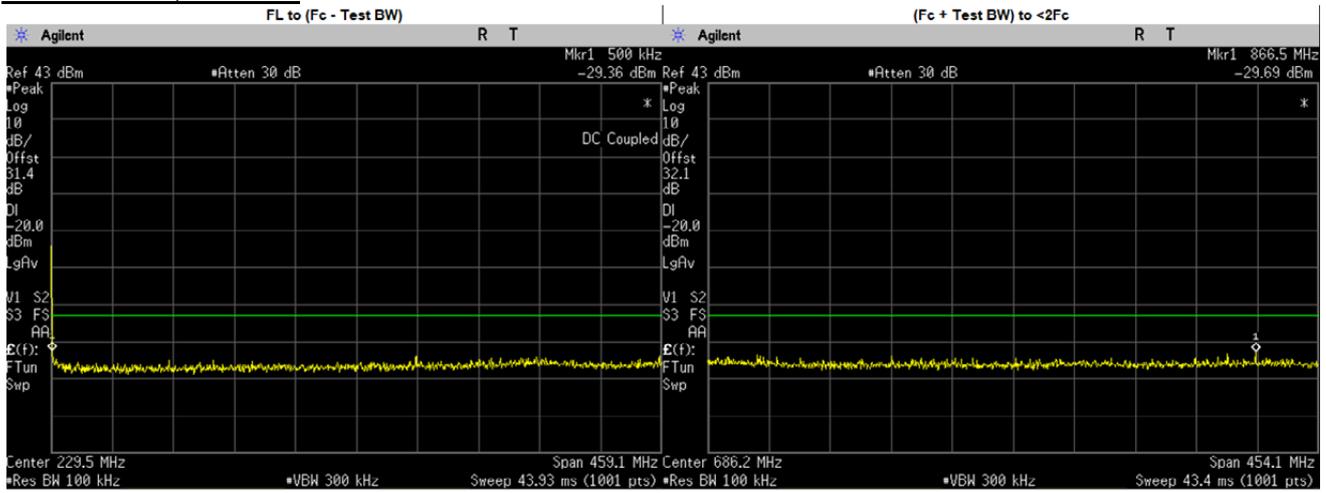
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	379.3246	-29.4369	-20	PASS
(Fc + Test BW) to <2Fc	478.5598	-32.1700	-20	PASS
2Fc to 1GHz	981.7387	-54.5600	-20	PASS
	900.0500	-56.6034	-20	PASS
1GHz to 10Fc	3096.1400	-40.5300	-20	PASS
	1350.0750	-46.3336	-20	PASS
	1800.1000	-45.0348	-20	PASS
	2250.1250	-44.6988	-20	PASS
	2700.1500	-44.6953	-20	PASS
	3150.1750	-42.0156	-20	PASS
	3600.2000	-42.7445	-20	PASS
	4050.2250	-42.7530	-20	PASS
4500.2500	-43.2769	-20	PASS	

**Digital : 450.025 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



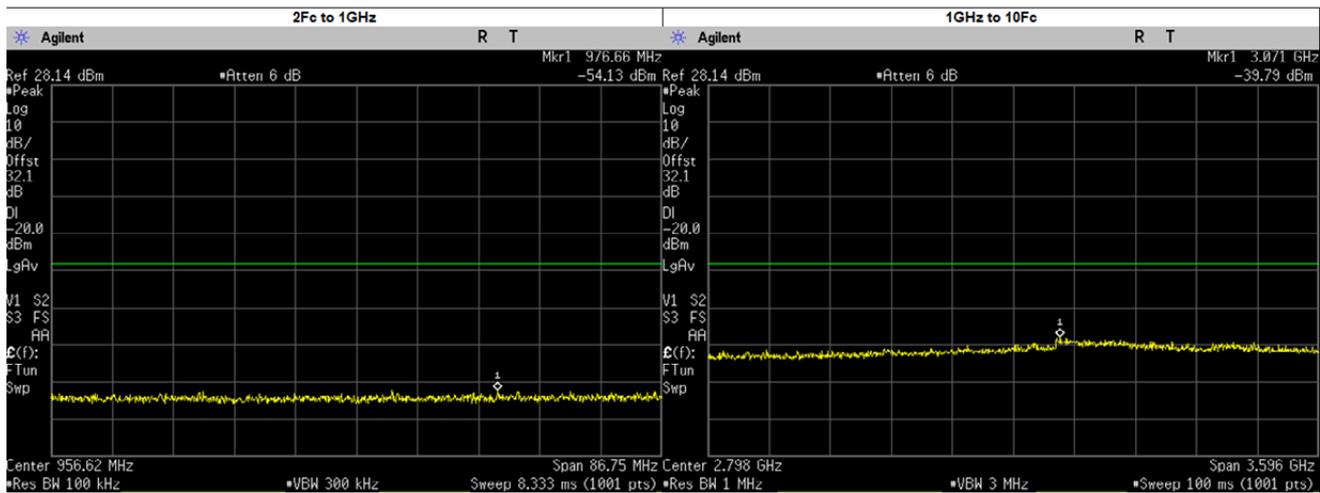
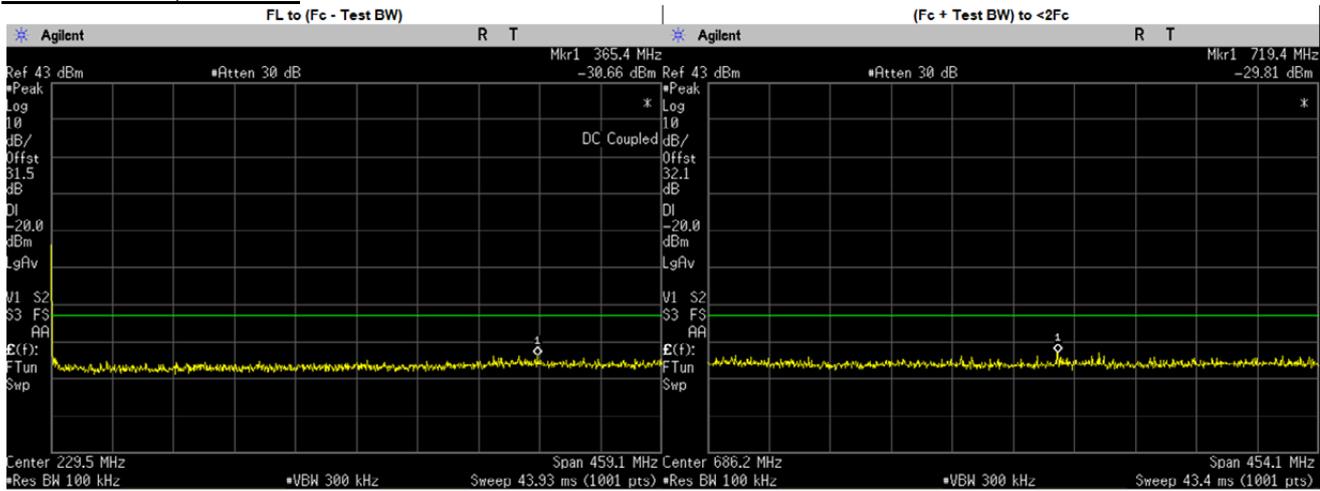
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	352.7770	-31.3255	-20	PASS
(Fc + Test BW) to <2Fc	652.5423	-30.2300	-20	PASS
2Fc to 1GHz	991.7089	-54.0700	-20	PASS
	900.0500	-55.9754	-20	PASS
1GHz to 10Fc	1350.0750	-45.2628	-20	PASS
	1800.1000	-44.5681	-20	PASS
	2250.1250	-44.2865	-20	PASS
	2700.1500	-44.0716	-20	PASS
	3150.1750	-41.2465	-20	PASS
	3600.2000	-41.9736	-20	PASS
	4050.2250	-42.3017	-20	PASS
	4500.2500	-44.0120	-20	PASS
	3120.6760	-39.7200	-20	PASS

**Digital : 459.125 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



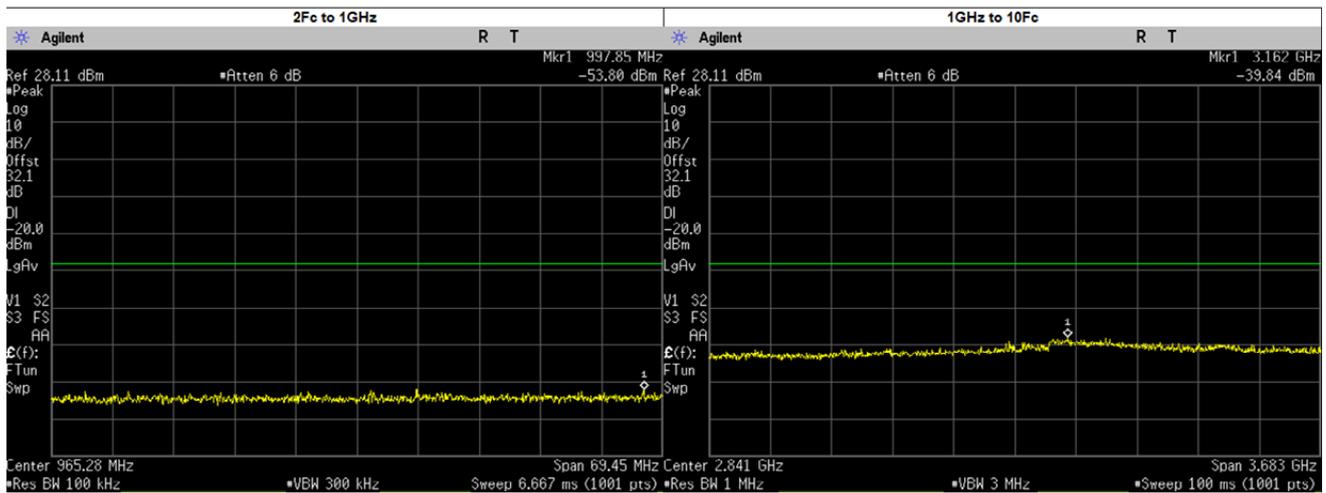
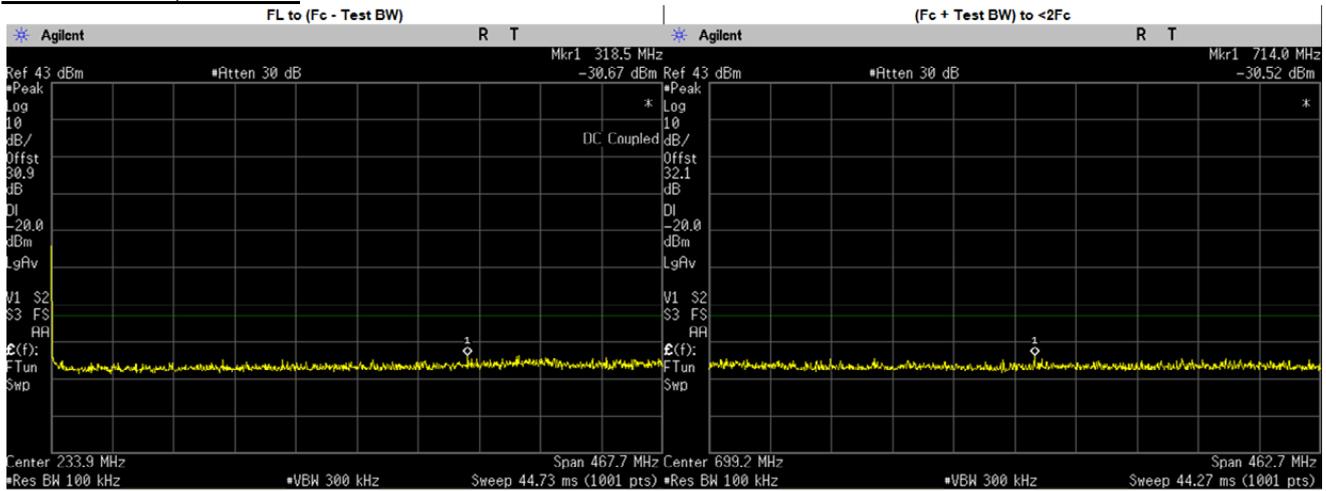
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	364.9611	-31.1750	-20	PASS
(Fc + Test BW) to <2Fc	866.4810	-29.6900	-20	PASS
2Fc to 1GHz	941.0968	-54.2400	-20	PASS
	918.2500	-56.1659	-20	PASS
1GHz to 10Fc	1377.3750	-45.2270	-20	PASS
	1836.5000	-44.3266	-20	PASS
	2295.6250	-43.6261	-20	PASS
	2754.7500	-43.5700	-20	PASS
	3213.8750	-41.3946	-20	PASS
	3673.0000	-42.9555	-20	PASS
	4132.1250	-43.0533	-20	PASS
	4591.2500	-43.9626	-20	PASS
	3049.8630	-39.6000	-20	PASS

**Digital : 459.125 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



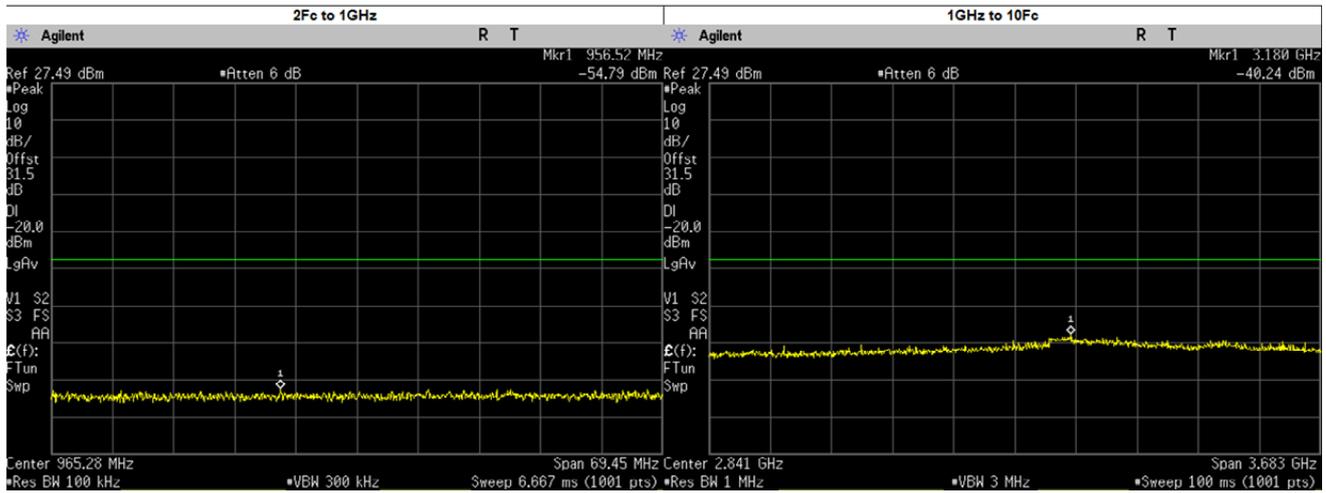
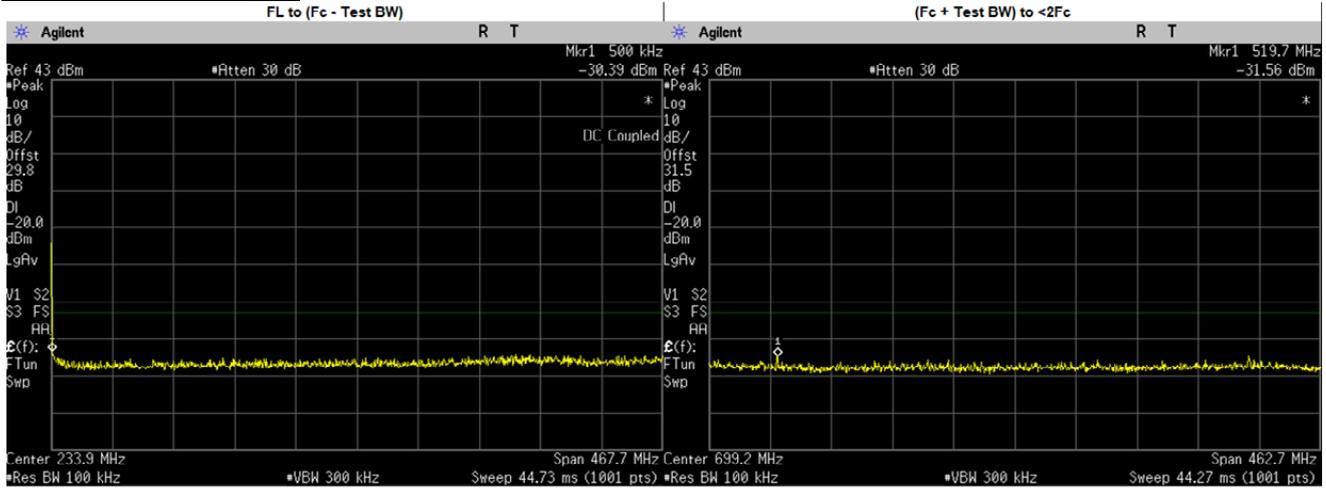
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	365.4201	-30.6600	-20	PASS
(Fc + Test BW) to <2Fc	719.3629	-29.8100	-20	PASS
2Fc to 1GHz	976.6643	-54.1300	-20	PASS
	918.2500	-55.8165	-20	PASS
1GHz to 10Fc	1377.3750	-44.6757	-20	PASS
	1836.5000	-44.8044	-20	PASS
	2295.6250	-44.3504	-20	PASS
	2754.7500	-43.2170	-20	PASS
	3213.8750	-40.7197	-20	PASS
	3673.0000	-42.4981	-20	PASS
	4132.1250	-42.0872	-20	PASS
	4591.2500	-43.5540	-20	PASS
	3071.4400	-39.7900	-20	PASS

**Digital : 467.775 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



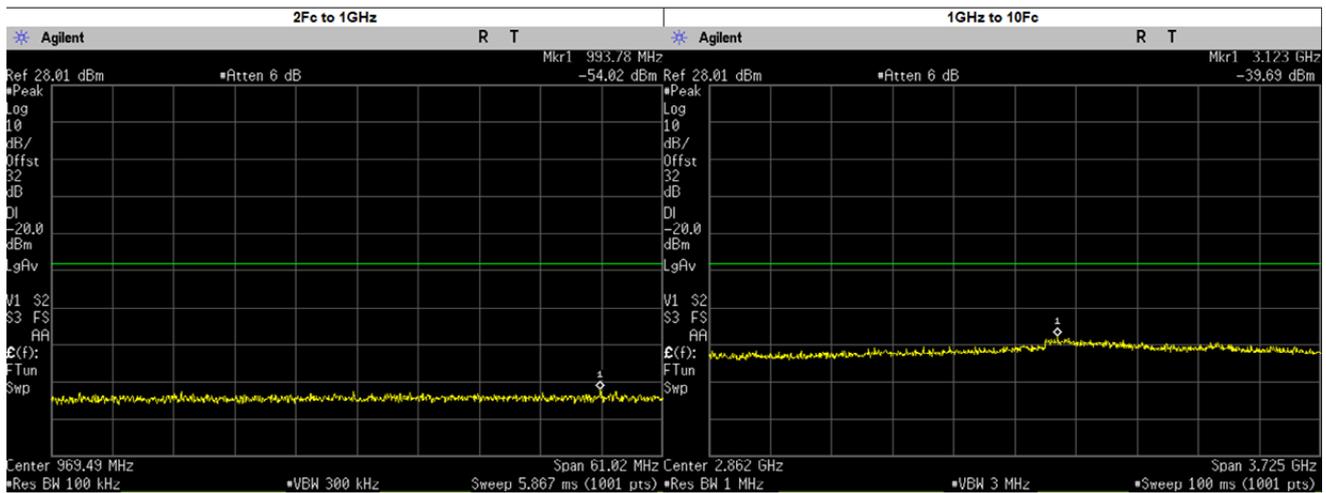
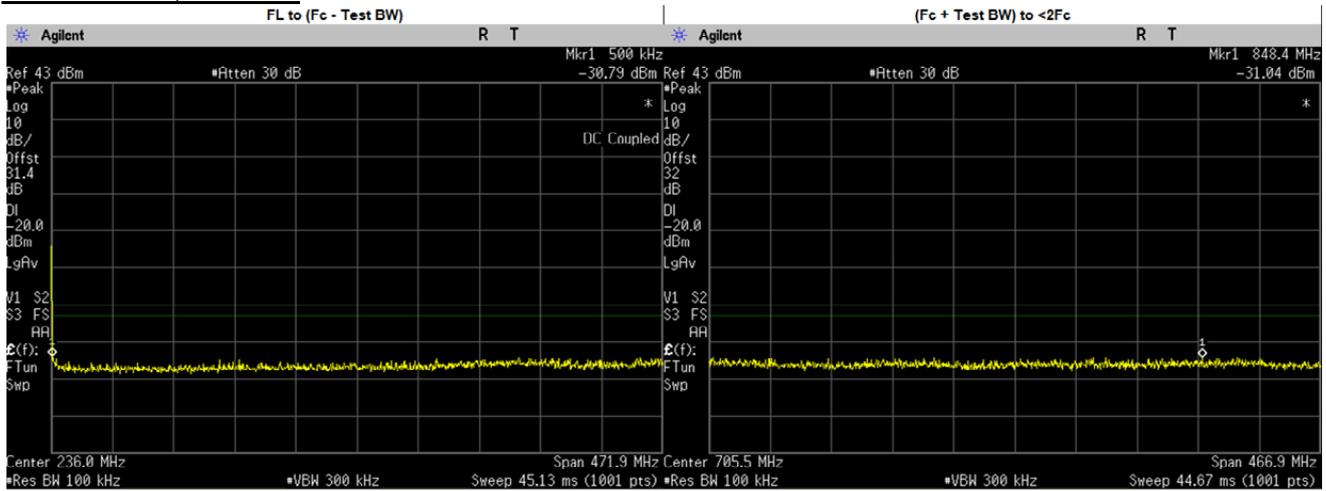
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	318.5190	-30.6700	-20	PASS
(Fc + Test BW) to <2Fc	713.9979	-30.5200	-20	PASS
2Fc to 1GHz	997.8470	-53.8000	-20	PASS
	935.5500	-56.2611	-20	PASS
1GHz to 10Fc	1403.3250	-44.7597	-20	PASS
	1871.1000	-44.4081	-20	PASS
	2338.8750	-44.2257	-20	PASS
	2806.6500	-41.9546	-20	PASS
	3274.4250	-41.8720	-20	PASS
	3742.2000	-42.9314	-20	PASS
	4209.9750	-43.1914	-20	PASS
	4677.7500	-42.8293	-20	PASS
	3161.7740	-39.8400	-20	PASS

**Digital : 467.775 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



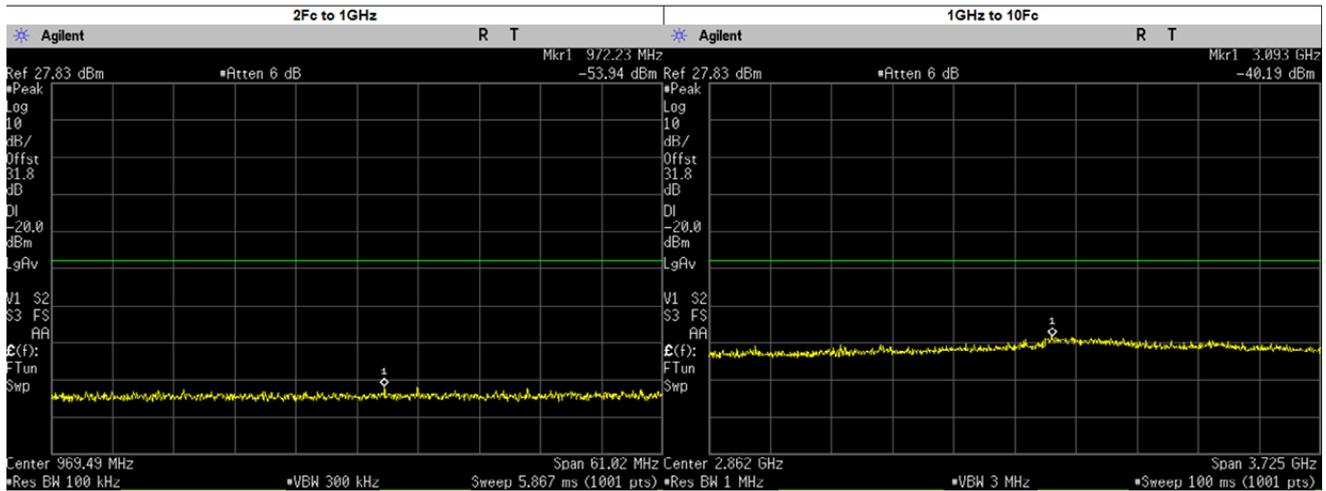
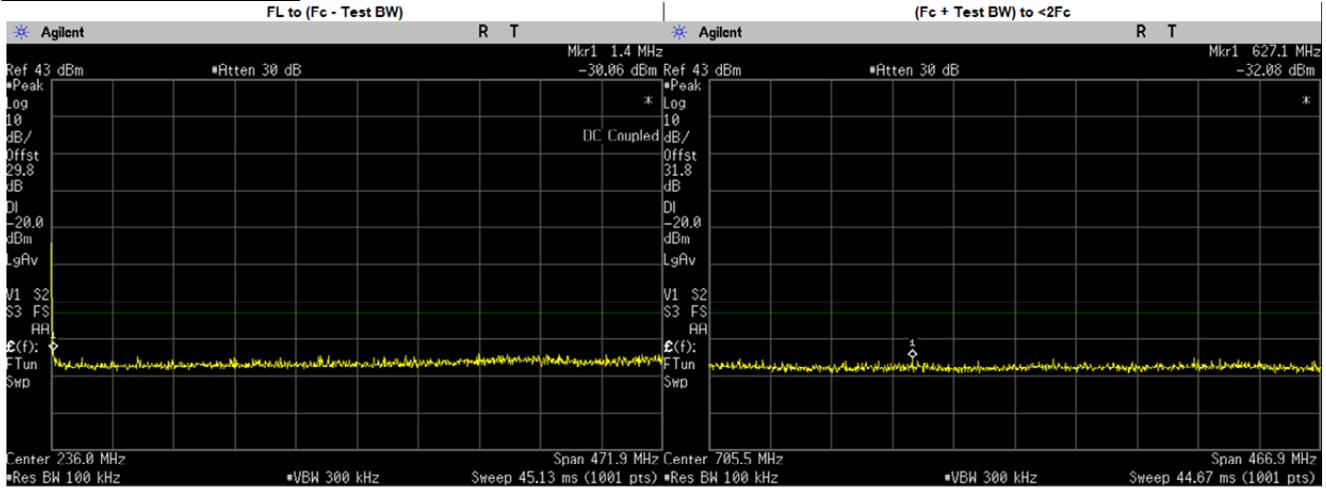
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	366.2253	-29.6711	-20	PASS
(Fc + Test BW) to <2Fc	519.6562	-31.5600	-20	PASS
2Fc to 1GHz	956.5243	-54.7900	-20	PASS
	935.5500	-56.7562	-20	PASS
1GHz to 10Fc	3180.1880	-40.2400	-20	PASS
	1403.3250	-46.2538	-20	PASS
	1871.1000	-45.3873	-20	PASS
	2338.8750	-44.5997	-20	PASS
	2806.6500	-43.5214	-20	PASS
	3274.4250	-42.1028	-20	PASS
	3742.2000	-43.2194	-20	PASS
	4209.9750	-43.5037	-20	PASS
	4677.7500	-44.0644	-20	PASS

**Digital : 471.9875 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



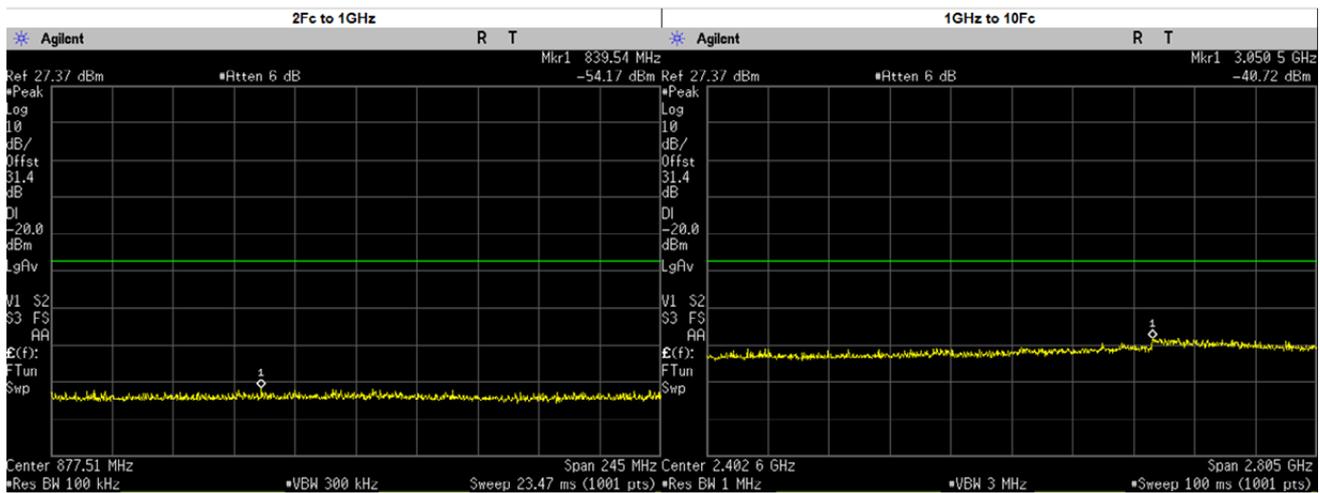
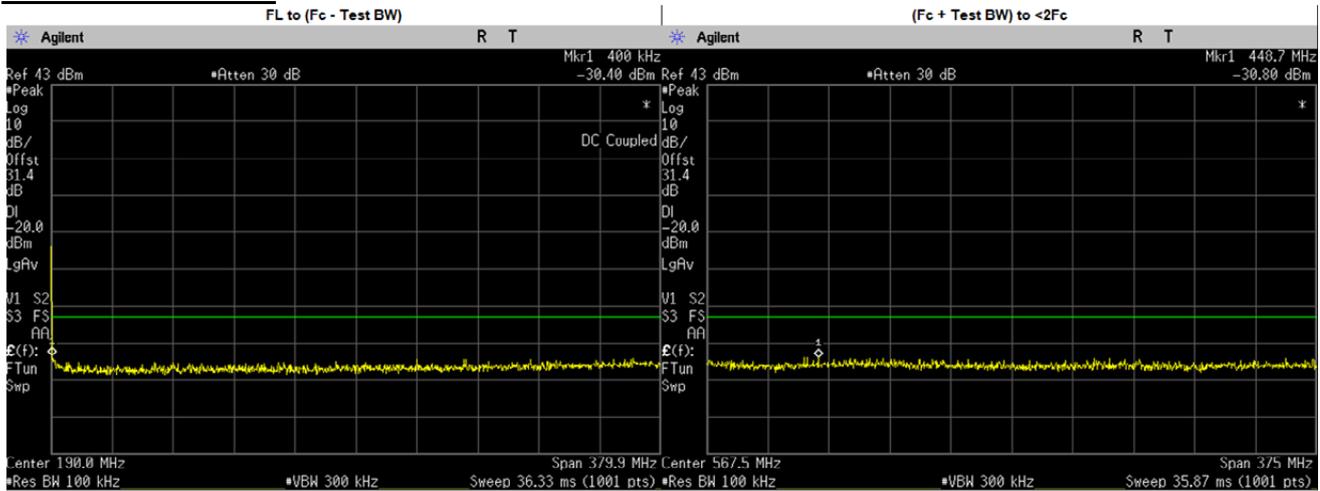
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	360.5572	-31.2972	-20	PASS
(Fc + Test BW) to <2Fc	848.3904	-31.0400	-20	PASS
2Fc to 1GHz	993.7754	-54.0200	-20	PASS
	943.9750	-56.2047	-20	PASS
1GHz to 10Fc	1415.9630	-45.2186	-20	PASS
	1887.9500	-44.5288	-20	PASS
	2359.9370	-44.6906	-20	PASS
	2831.9250	-43.3033	-20	PASS
	3303.9120	-41.7504	-20	PASS
	3775.9000	-42.9258	-20	PASS
	4247.8870	-43.0762	-20	PASS
	4719.8750	-43.8352	-20	PASS
	3123.1790	-39.6900	-20	PASS

**Digital : 471.9875 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



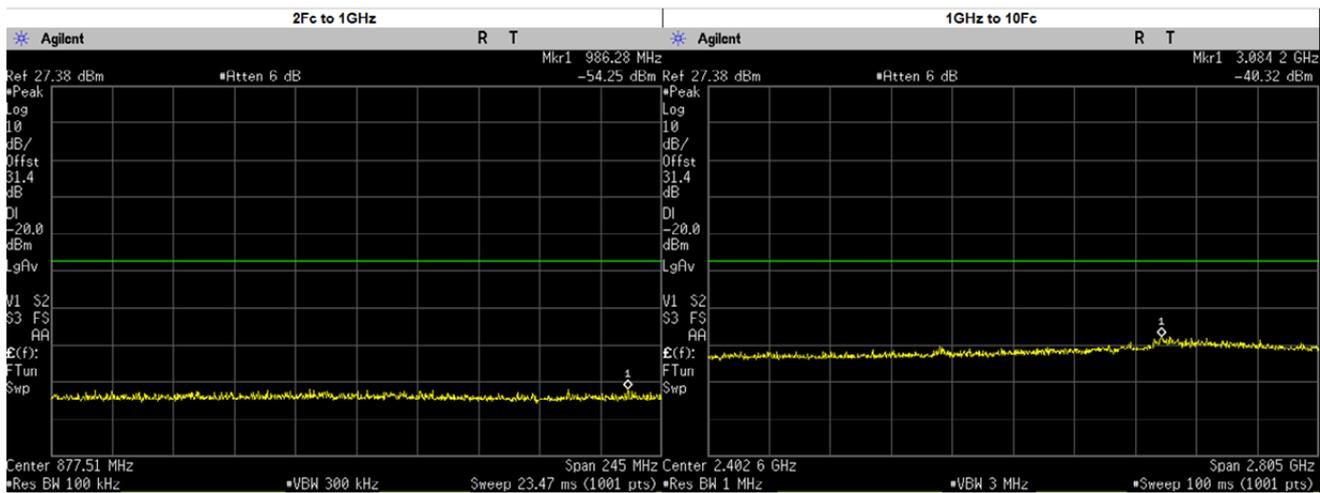
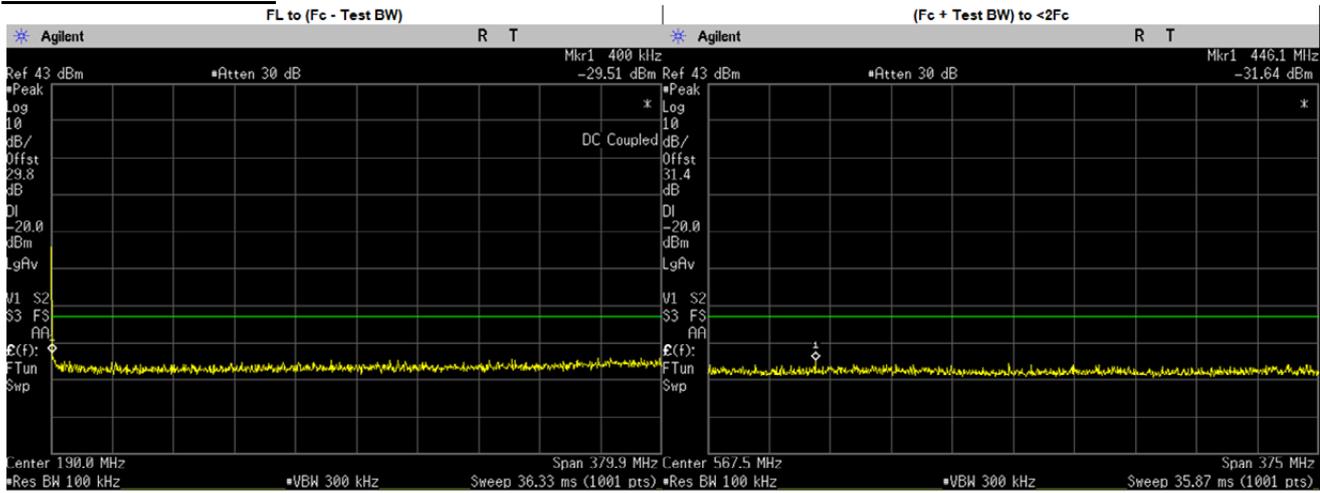
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	382.2656	-29.6069	-20	PASS
(Fc + Test BW) to <2Fc	627.0653	-32.0800	-20	PASS
2Fc to 1GHz	972.2336	-53.9400	-20	PASS
	943.9750	-56.5715	-20	PASS
1GHz to 10Fc	3093.3800	-40.1900	-20	PASS
	1415.9630	-45.3231	-20	PASS
	1887.9500	-44.1920	-20	PASS
	2359.9370	-44.1609	-20	PASS
	2831.9250	-43.1990	-20	PASS
	3303.9120	-42.1059	-20	PASS
	3775.9000	-42.9740	-20	PASS
	4247.8870	-42.1805	-20	PASS
	4719.8750	-44.0276	-20	PASS

Phase II : 380.0125 MHz, 12.5kHz Channel Spacing, Max Power
Not for FCC Review



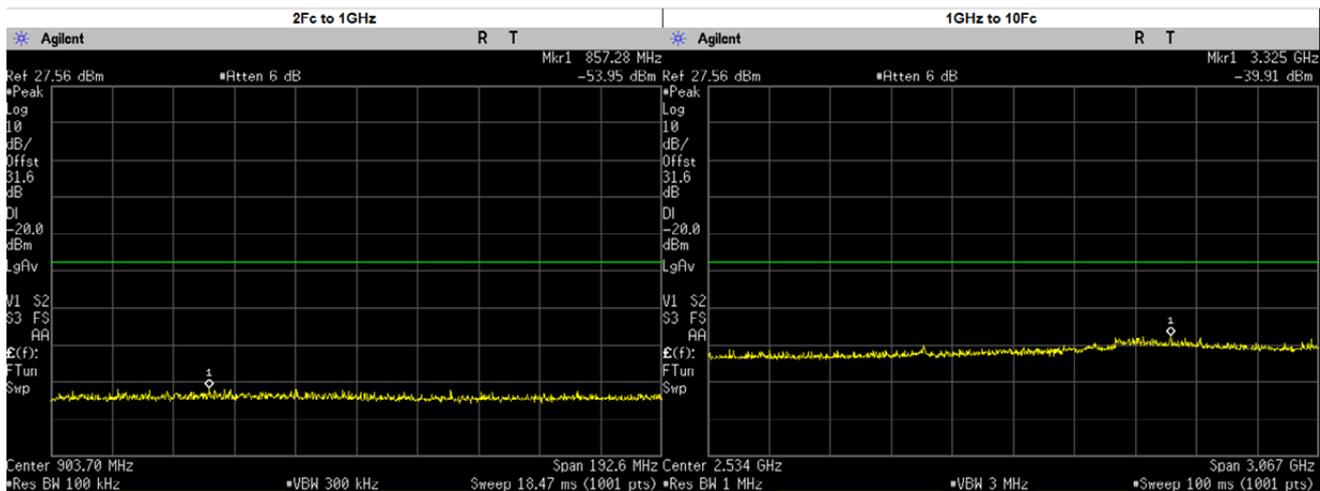
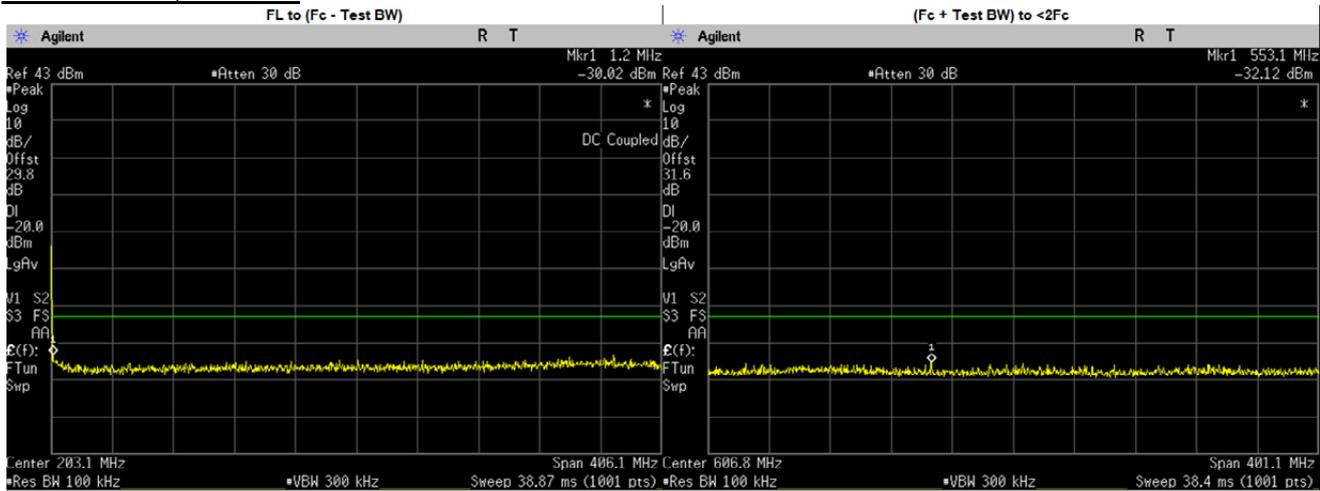
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	362.4793	-31.2293	-20	PASS
(Fc + Test BW) to <2Fc	448.7000	-30.8000	-20	PASS
2Fc to 1GHz	839.5414	-54.1700	-20	PASS
	760.0250	-56.9082	-20	PASS
1GHz to 10Fc	3050.5460	-40.7200	-20	PASS
	1140.0370	-45.5179	-20	PASS
	1520.0500	-45.8880	-20	PASS
	1900.0620	-45.3111	-20	PASS
	2280.0750	-45.0214	-20	PASS
	2660.0880	-43.3983	-20	PASS
	3040.1000	-43.3493	-20	PASS
	3420.1130	-41.6699	-20	PASS
	3800.1250	-43.4884	-20	PASS

Phase II : 380.0125 MHz, 12.5kHz Channel Spacing, Low Power
Not for FCC Review



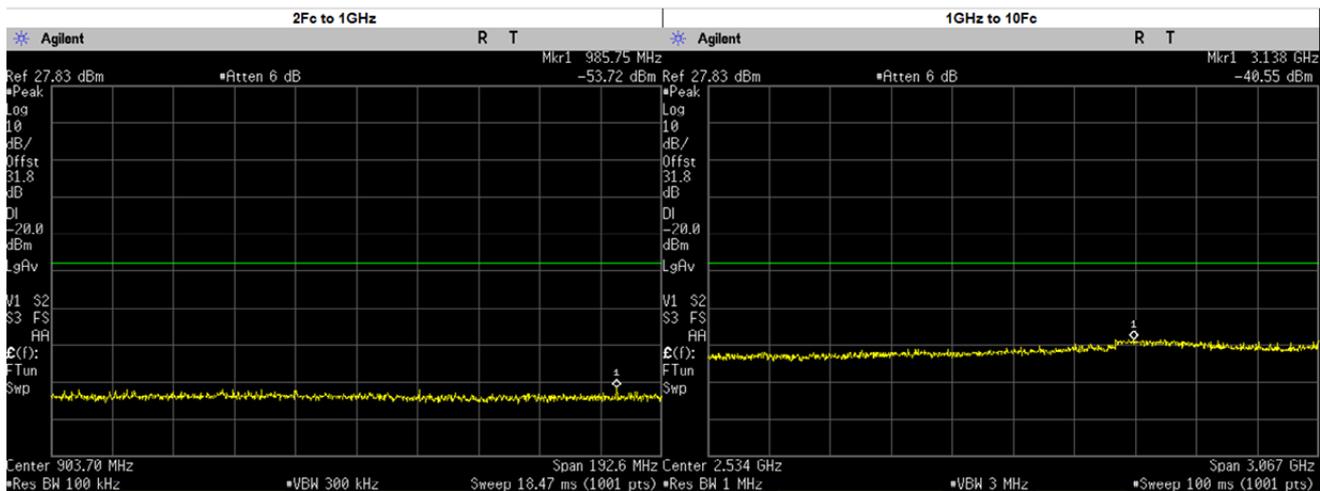
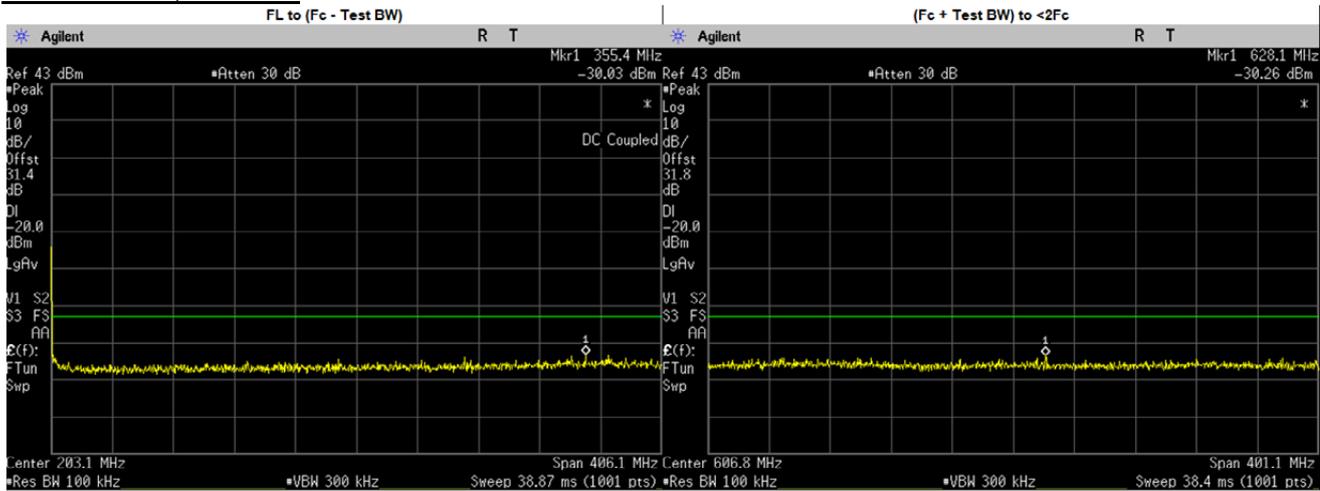
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	367.4186	-29.5667	-20	PASS
(Fc + Test BW) to <2Fc	446.0605	-31.6400	-20	PASS
2Fc to 1GHz	986.2814	-54.2500	-20	PASS
	760.0250	-56.4129	-20	PASS
1GHz to 10Fc	3084.2080	-40.3200	-20	PASS
	1140.0370	-45.8323	-20	PASS
	1520.0500	-45.9397	-20	PASS
	1900.0620	-45.0906	-20	PASS
	2280.0750	-44.7963	-20	PASS
	2660.0880	-44.2998	-20	PASS
	3040.1000	-43.4790	-20	PASS
	3420.1130	-42.3725	-20	PASS
	3800.1250	-44.0141	-20	PASS

**Phase II : 406.2 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



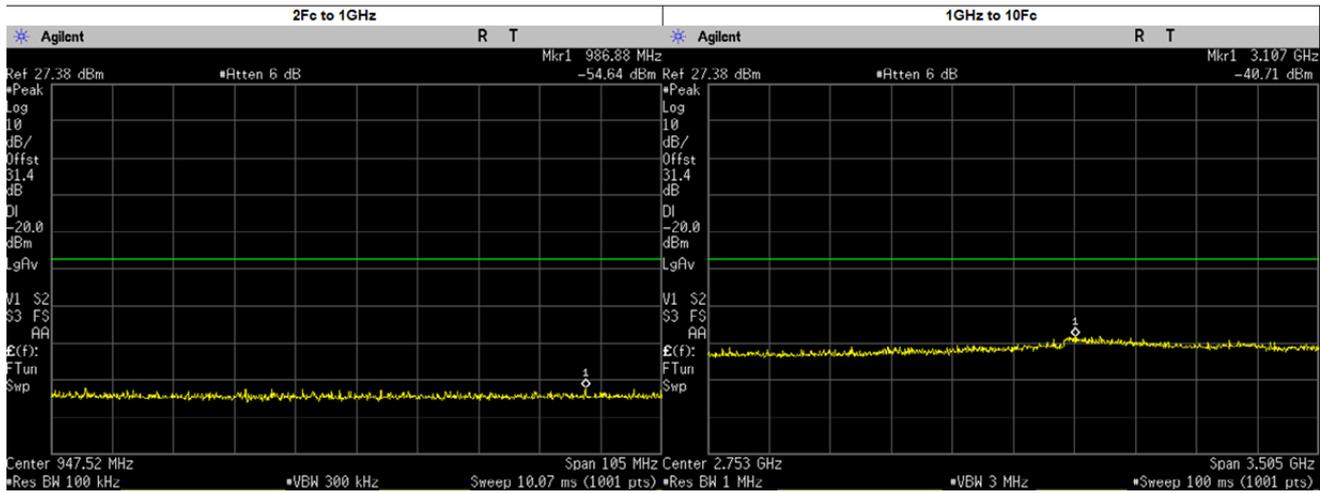
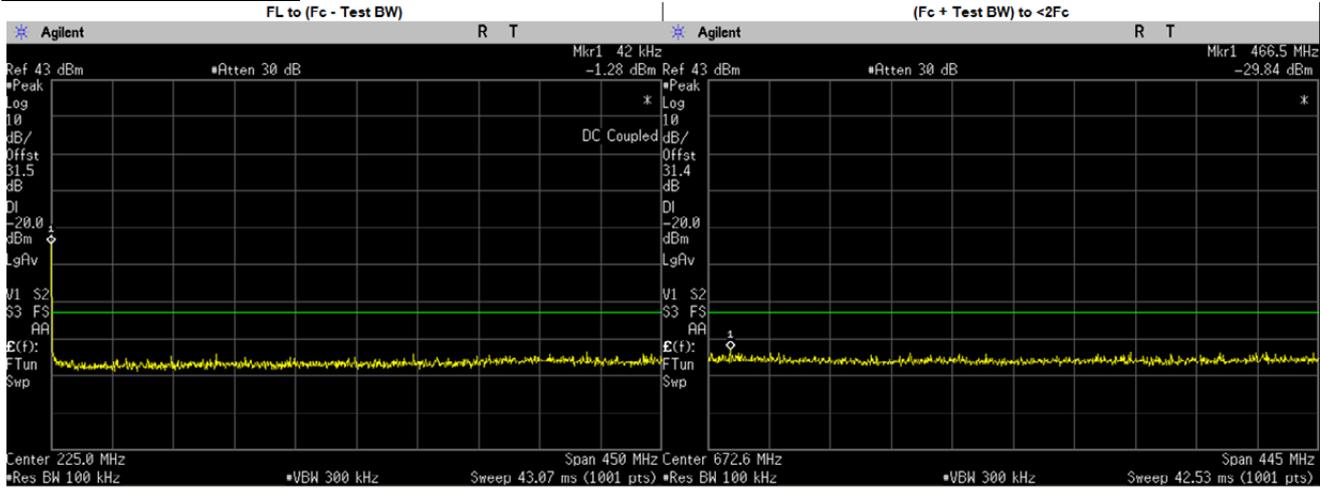
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	374.0597	-28.9056	-20	PASS
(Fc + Test BW) to <2Fc	553.0745	-32.1200	-20	PASS
2Fc to 1GHz	857.2834	-53.9500	-20	PASS
	812.4000	-55.8678	-20	PASS
1GHz to 10Fc	3186.7710	-40.0000	-20	PASS
	1218.6000	-45.5940	-20	PASS
	1624.8000	-45.6951	-20	PASS
	2031.0000	-44.9148	-20	PASS
	2437.2000	-44.6710	-20	PASS
	2843.4000	-44.1237	-20	PASS
	3249.6000	-41.9771	-20	PASS
	3655.8000	-43.3984	-20	PASS
	4062.0000	-43.3400	-20	PASS
	3324.7860	-39.9100	-20	PASS

**Phase II : 406.2 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



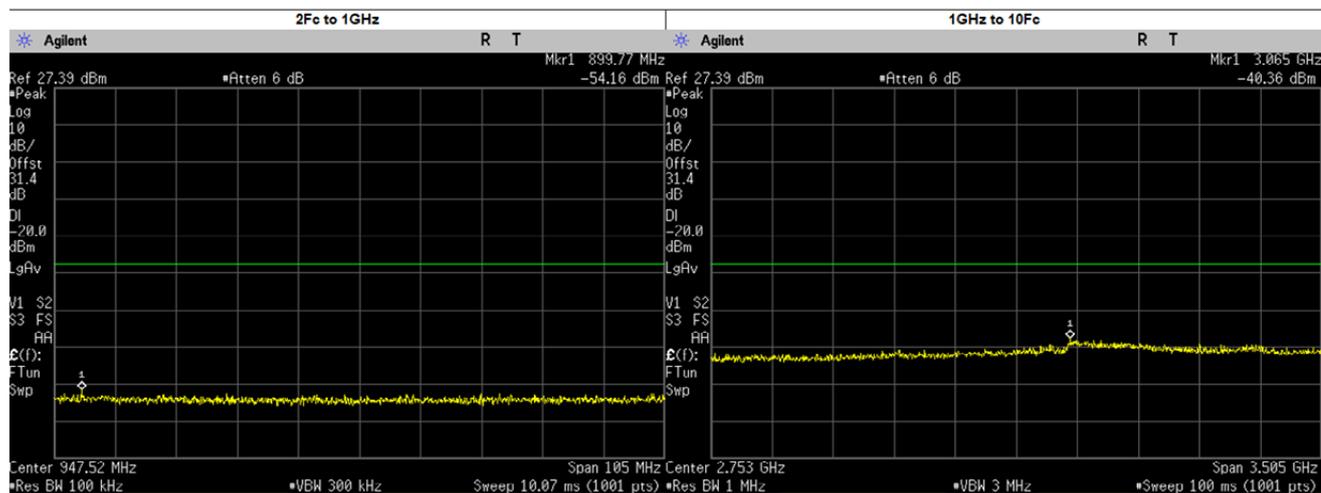
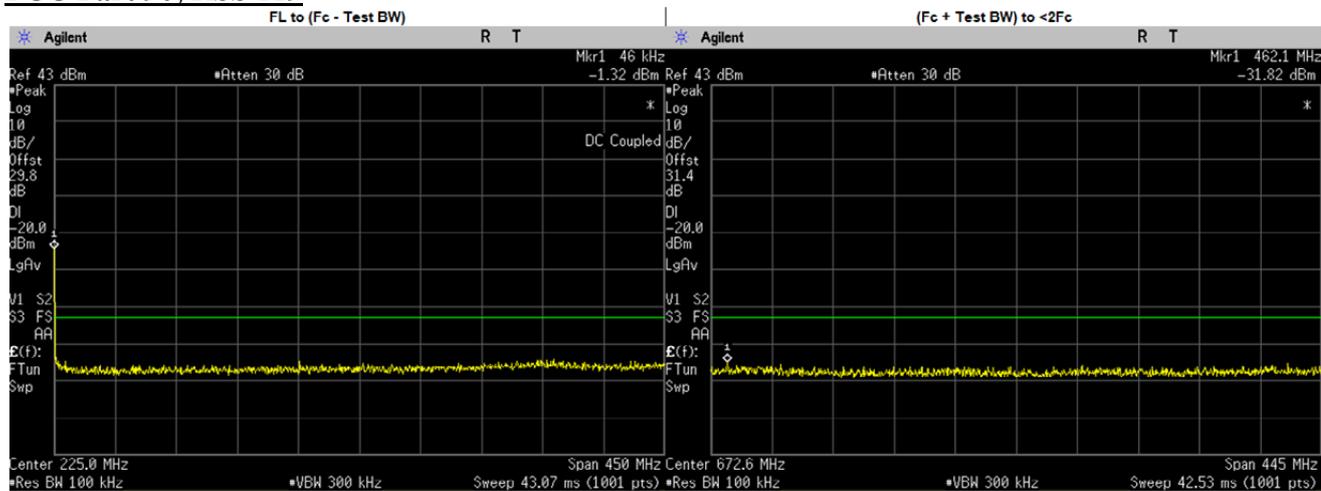
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	355.3775	-30.0300	-20	PASS
(Fc + Test BW) to <2Fc	628.0885	-30.2600	-20	PASS
2Fc to 1GHz	985.7476	-53.7200	-20	PASS
	812.4000	-56.2616	-20	PASS
1GHz to 10Fc	3137.6990	-40.5500	-20	PASS
	1218.6000	-45.8289	-20	PASS
	1624.8000	-45.0266	-20	PASS
	2031.0000	-44.7582	-20	PASS
	2437.2000	-44.0371	-20	PASS
	2843.4000	-43.2019	-20	PASS
	3249.6000	-41.9106	-20	PASS
	3655.8000	-42.5189	-20	PASS
	4062.0000	-42.5185	-20	PASS

**Phase II : 450.025 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



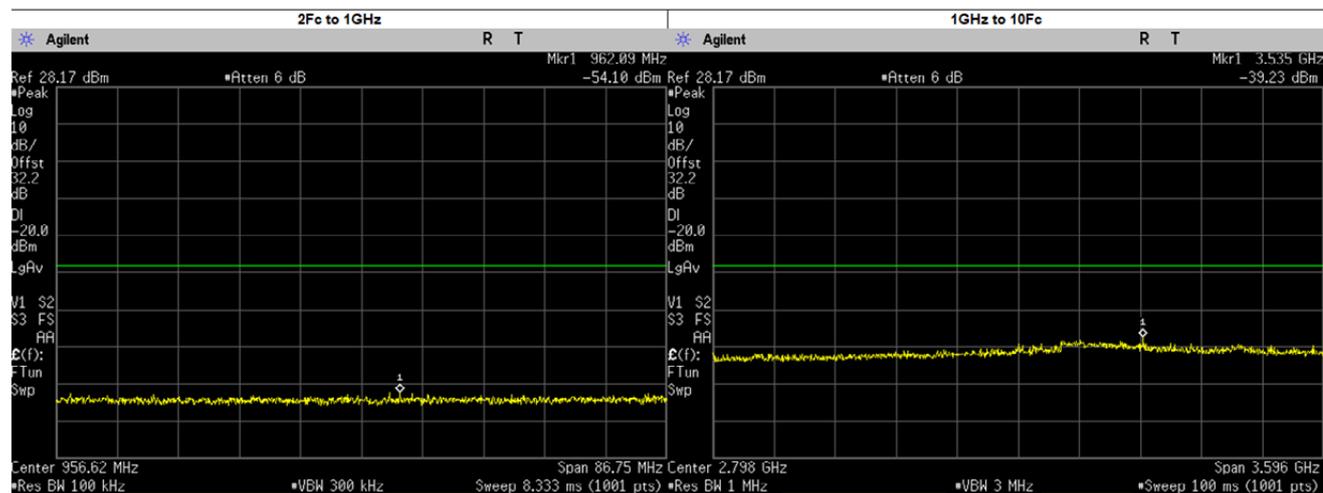
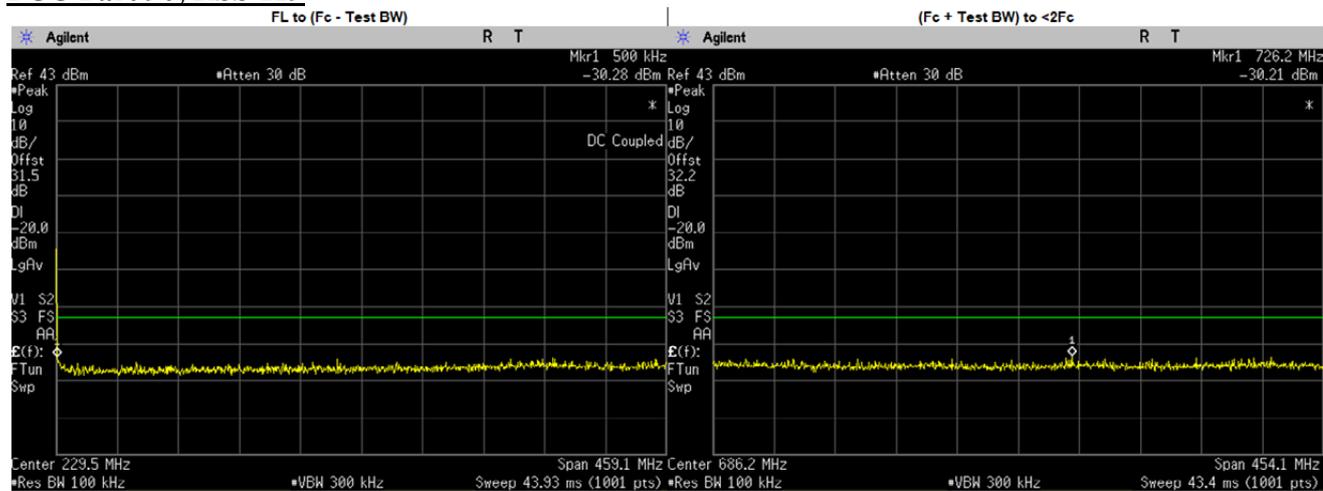
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	395.0732	-30.5404	-20	PASS
(Fc + Test BW) to <2Fc	466.5456	-29.8400	-20	PASS
2Fc to 1GHz	986.8813	-54.6400	-20	PASS
	900.0500	-56.7851	-20	PASS
1GHz to 10Fc	3106.6550	-40.7100	-20	PASS
	1350.0750	-45.9424	-20	PASS
	1800.1000	-45.1684	-20	PASS
	2250.1250	-44.7126	-20	PASS
	2700.1500	-44.6226	-20	PASS
	3150.1750	-41.7388	-20	PASS
	3600.2000	-43.1709	-20	PASS
	4050.2250	-43.5685	-20	PASS
	4500.2500	-44.2936	-20	PASS

**Phase II : 450.025 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



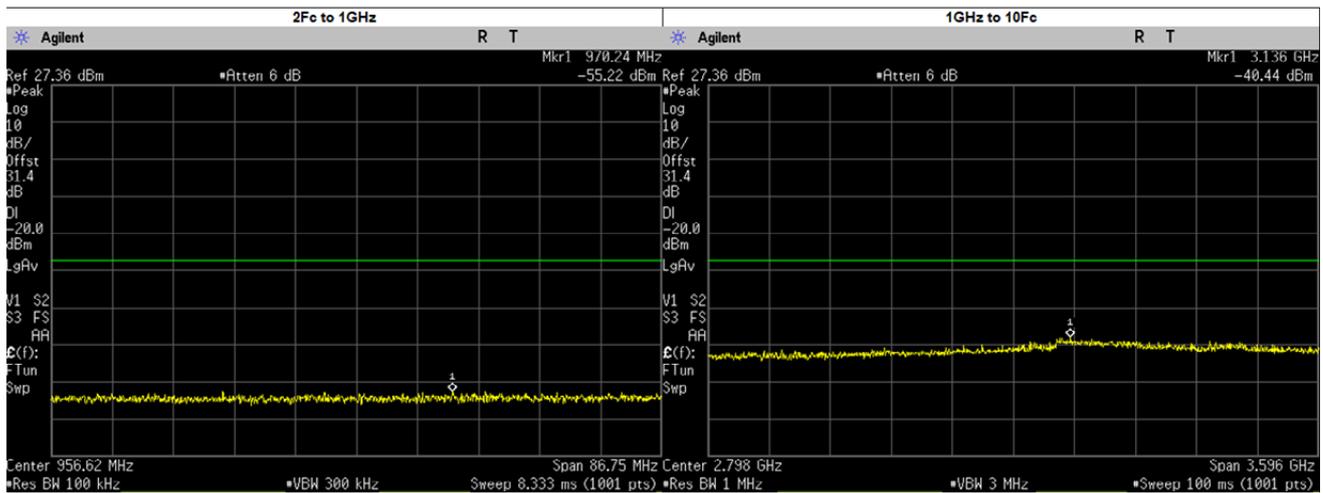
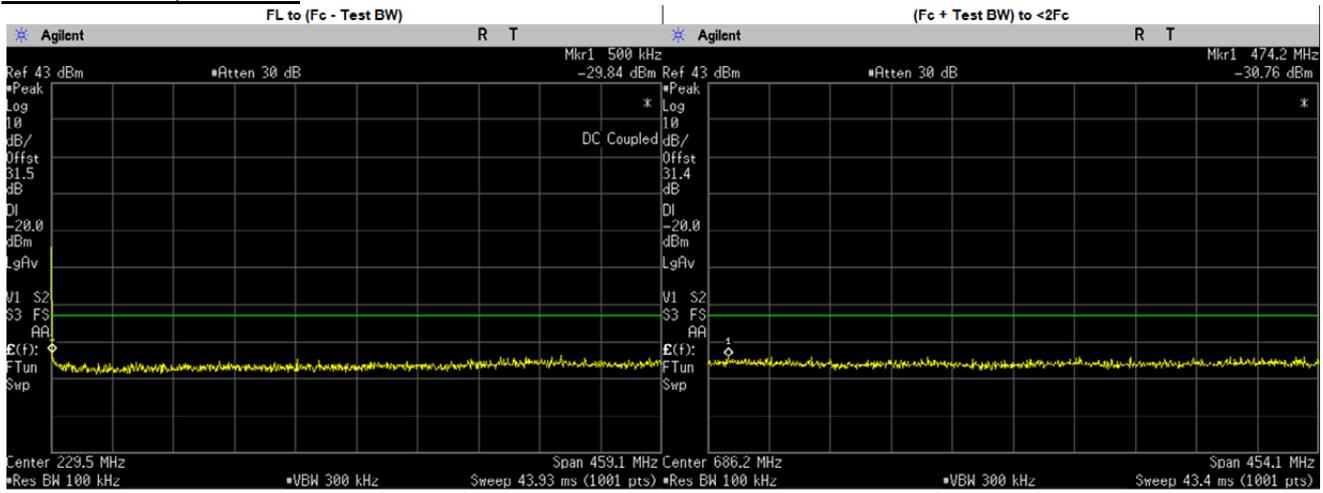
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	368.0756	-29.7137	-20	PASS
(Fc + Test BW) to <2Fc	462.0959	-31.8200	-20	PASS
2Fc to 1GHz	899.7727	-54.1600	-20	PASS
	900.0500	-55.7221	-20	PASS
1GHz to 10Fc	3064.5920	-40.3600	-20	PASS
	1350.0750	-45.1740	-20	PASS
	1800.1000	-45.0039	-20	PASS
	2250.1250	-44.5312	-20	PASS
	2700.1500	-44.5101	-20	PASS
	3150.1750	-41.4074	-20	PASS
	3600.2000	-42.9701	-20	PASS
	4050.2250	-43.1323	-20	PASS
4500.2500	-43.8920	-20	PASS	

**Phase II : 459.125 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



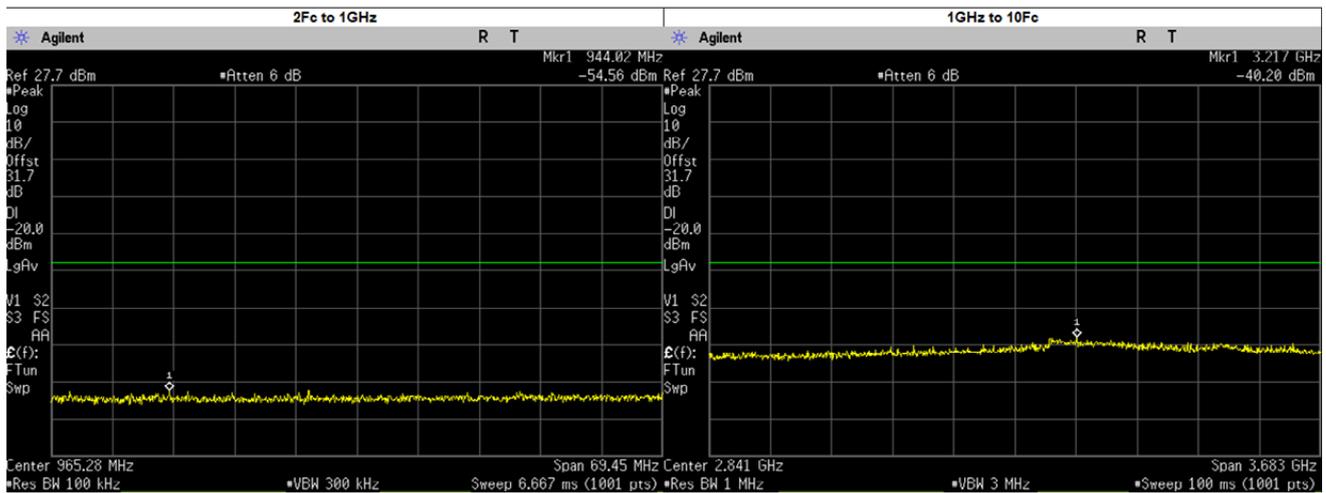
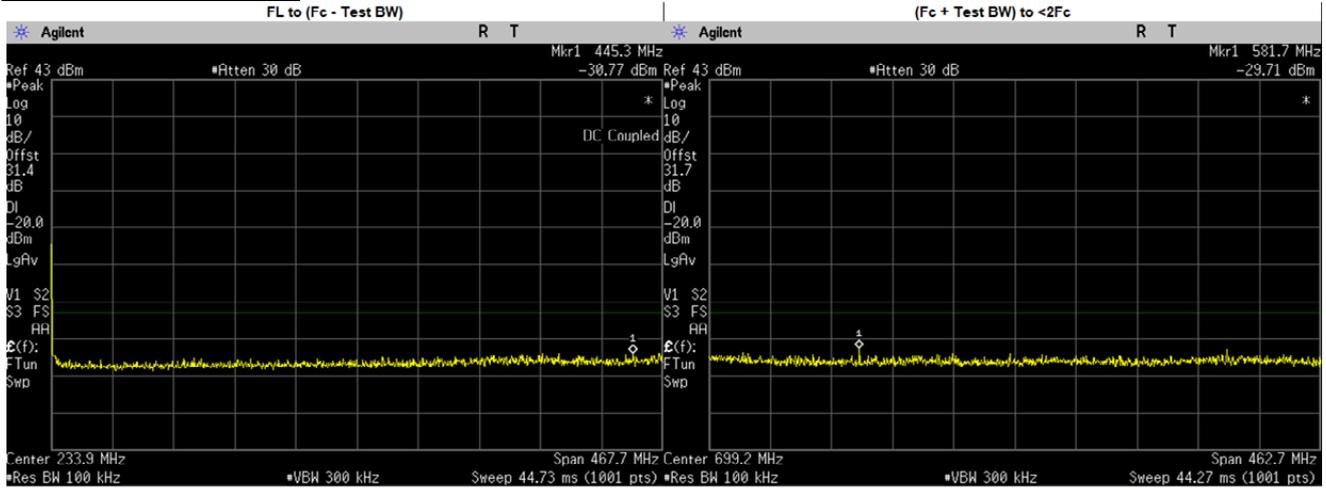
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	373.6832	-31.0631	-20	PASS
(Fc + Test BW) to <2Fc	726.1739	-30.2000	-20	PASS
2Fc to 1GHz	962.0902	-54.1000	-20	PASS
	918.2500	-56.3721	-20	PASS
1GHz to 10Fc	3164.9430	-40.0200	-20	PASS
	1377.3750	-45.2510	-20	PASS
	1836.5000	-44.7005	-20	PASS
	2295.6250	-44.6129	-20	PASS
	2754.7500	-43.3771	-20	PASS
	3213.8750	-41.0970	-20	PASS
	3673.0000	-42.6543	-20	PASS
	4132.1250	-43.0202	-20	PASS
4591.2500	-43.8373	-20	PASS	
	3535.3560	-39.2300	-20	PASS

**Phase II : 459.125 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



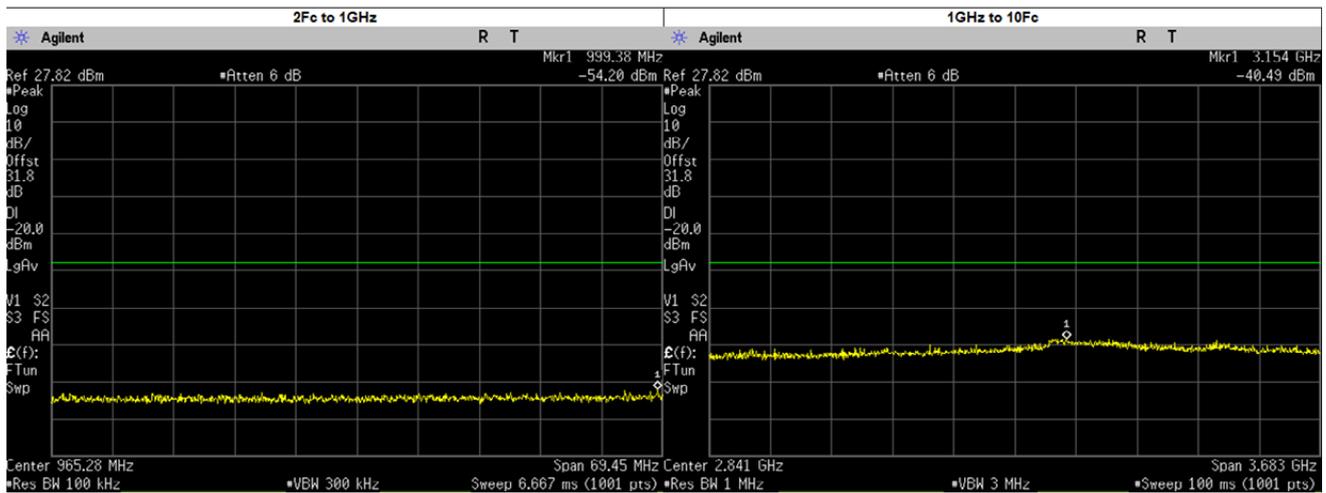
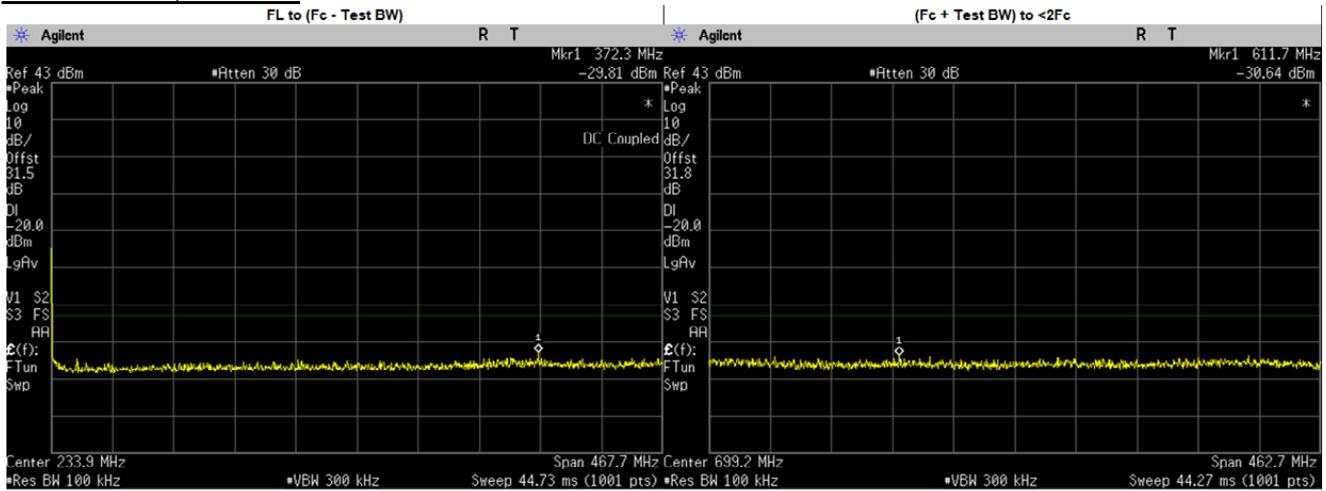
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	383.3234	-30.9061	-20	PASS
(Fc + Test BW) to <2Fc	474.1661	-30.7600	-20	PASS
2Fc to 1GHz	970.2447	-55.2200	-20	PASS
	918.2500	-58.1858	-20	PASS
1GHz to 10Fc	3136.1730	-40.4400	-20	PASS
	1377.3750	-45.3706	-20	PASS
	1836.5000	-45.4990	-20	PASS
	2295.6250	-44.9841	-20	PASS
	2754.7500	-44.3041	-20	PASS
	3213.8750	-42.0981	-20	PASS
	3673.0000	-43.5279	-20	PASS
	4132.1250	-42.2480	-20	PASS
	4591.2500	-44.7845	-20	PASS

**Phase II : 467.775 MHz, 12.5kHz Channel Spacing, Max Power
 FCC Part 90, RSS 119**



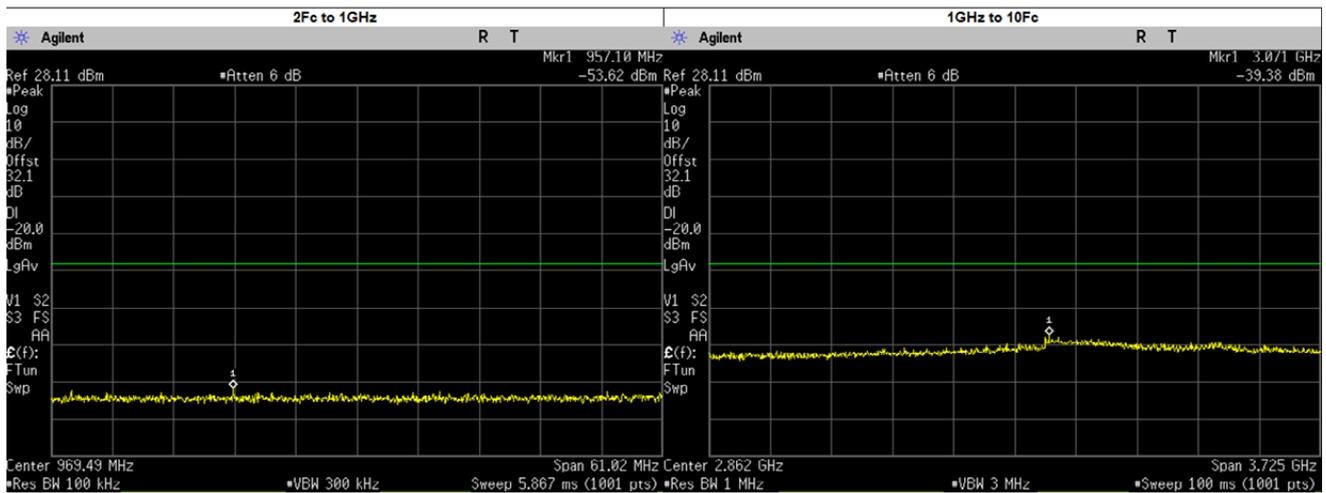
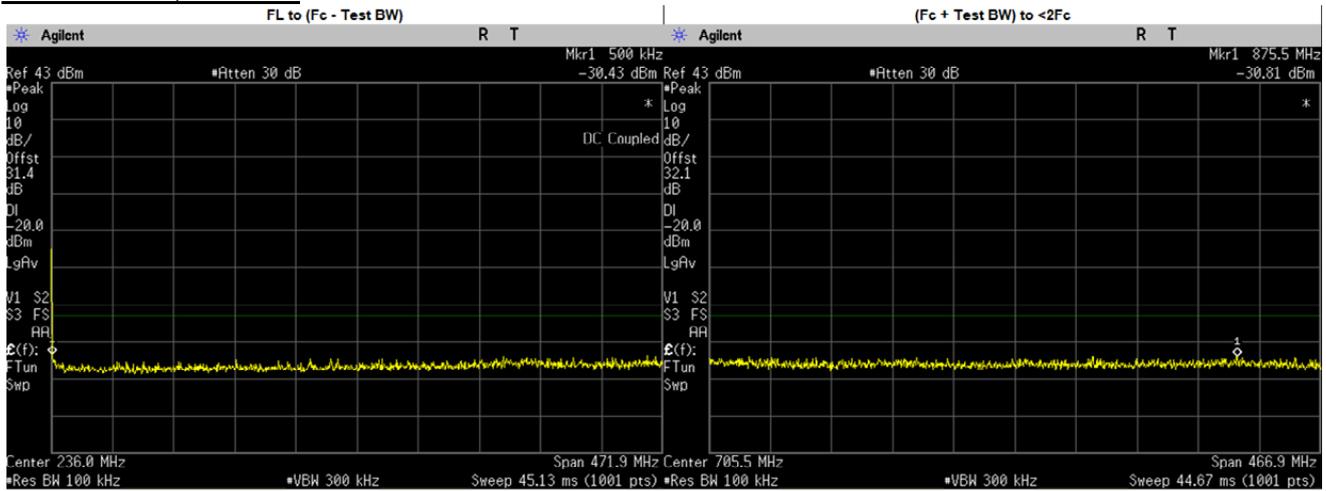
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	445.2682	-30.7700	-20	PASS
(Fc + Test BW) to <2Fc	581.6605	-29.7100	-20	PASS
2Fc to 1GHz	944.0233	-54.5600	-20	PASS
	935.5500	-57.7641	-20	PASS
1GHz to 10Fc	3217.0150	-40.2000	-20	PASS
	1403.3250	-45.2091	-20	PASS
	1871.1000	-44.4435	-20	PASS
	2338.8750	-44.4394	-20	PASS
	2806.6500	-43.0312	-20	PASS
	3274.4250	-42.0897	-20	PASS
	3742.2000	-43.3105	-20	PASS
	4209.9750	-43.8557	-20	PASS
	4677.7500	-44.5448	-20	PASS

**Phase II : 467.775 MHz, 12.5kHz Channel Spacing, Low Power
 FCC Part 90, RSS 119**



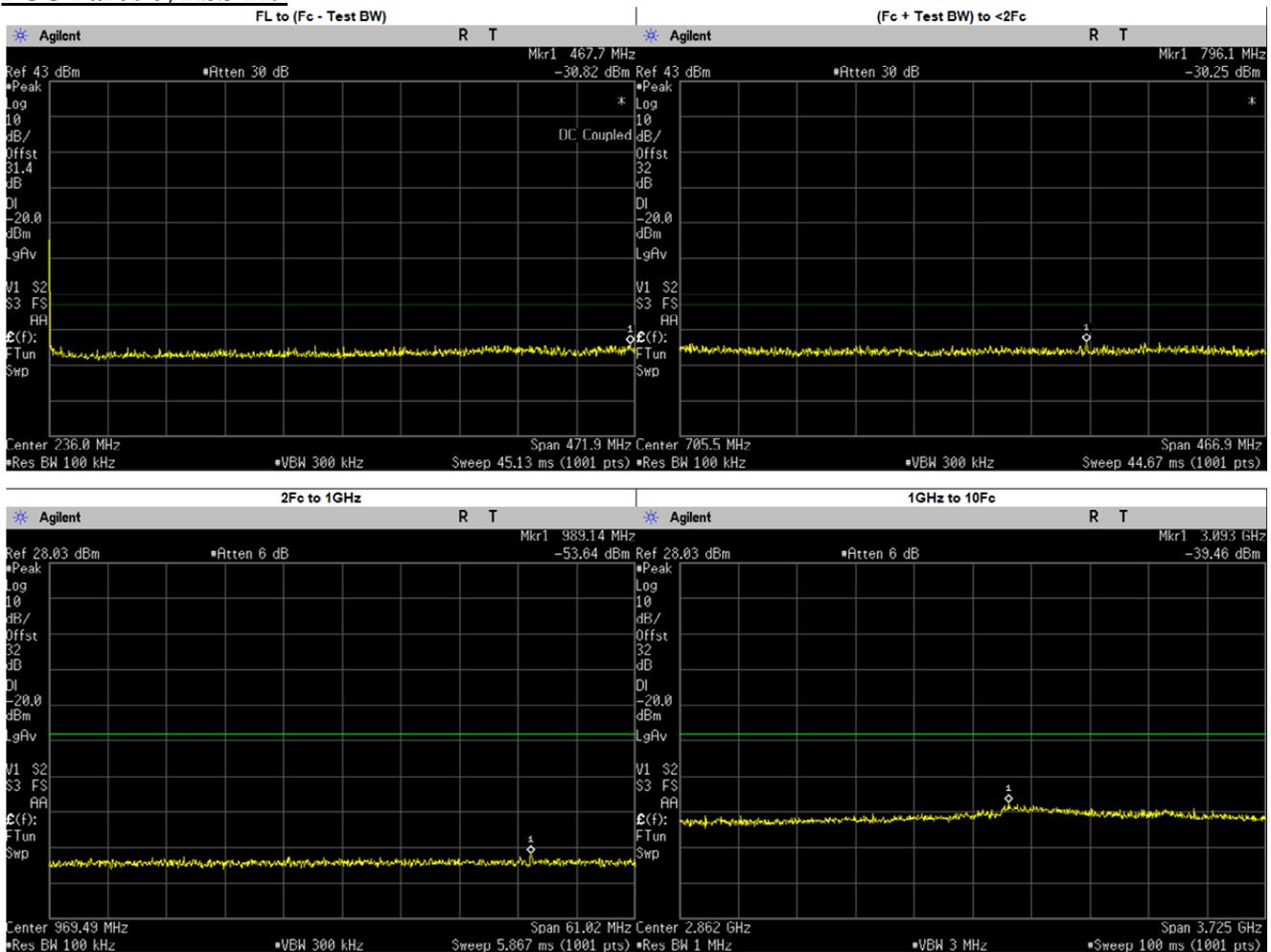
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dbm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	372.3055	-29.8100	-20	PASS
(Fc + Test BW) to <2Fc	611.7372	-30.6400	-20	PASS
2Fc to 1GHz	999.3750	-54.2000	-20	PASS
	935.5500	-57.0056	-20	PASS
1GHz to 10Fc	3154.4090	-40.4900	-20	PASS
	1403.3250	-44.9964	-20	PASS
	1871.1000	-45.1723	-20	PASS
	2338.8750	-44.5492	-20	PASS
	2806.6500	-42.9744	-20	PASS
	3274.4250	-41.9679	-20	PASS
	3742.2000	-42.6327	-20	PASS
	4209.9750	-43.1203	-20	PASS
4677.7500	-44.4735	-20	PASS	

**Phase II : 471.9875 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)	459.6607	-30.7281	-20	PASS
(Fc + Test BW) to <2Fc	875.4724	-30.8100	-20	PASS
2Fc to 1GHz	957.0994	-53.6200	-20	PASS
	943.9750	-56.4564	-20	PASS
1GHz to 10Fc	1415.9630	-44.7178	-20	PASS
	1887.9500	-44.8183	-20	PASS
	2359.9370	-44.2409	-20	PASS
	2831.9250	-43.4312	-20	PASS
	3303.9120	-41.2693	-20	PASS
	3775.9000	-41.8089	-20	PASS
	4247.8870	-43.2467	-20	PASS
	4719.8750	-43.6588	-20	PASS
	3071.0300	-39.3800	-20	PASS

**Phase II : 471.9875 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)	467.6834	-30.8200	-20	PASS
(Fc + Test BW) to <2Fc	796.0942	-30.2500	-20	PASS
2Fc to 1GHz	989.1400	-53.6400	-20	PASS
	943.9750	-56.0885	-20	PASS
1GHz to 10Fc	1415.9630	-44.7228	-20	PASS
	1887.9500	-44.8112	-20	PASS
	2359.9370	-43.8097	-20	PASS
	2831.9250	-43.0402	-20	PASS
	3303.9120	-41.1991	-20	PASS
	3775.9000	-42.1095	-20	PASS
	4247.8870	-43.7323	-20	PASS
	4719.8750	-43.7977	-20	PASS
	3093.3800	-39.4600	-20	PASS

6.10.4. Test Limit

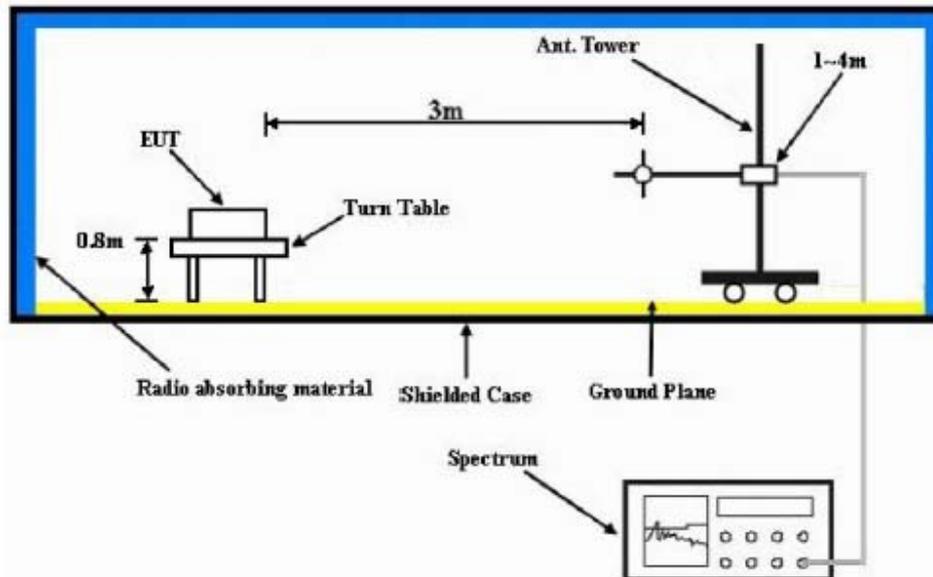
Table below summarized the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + 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



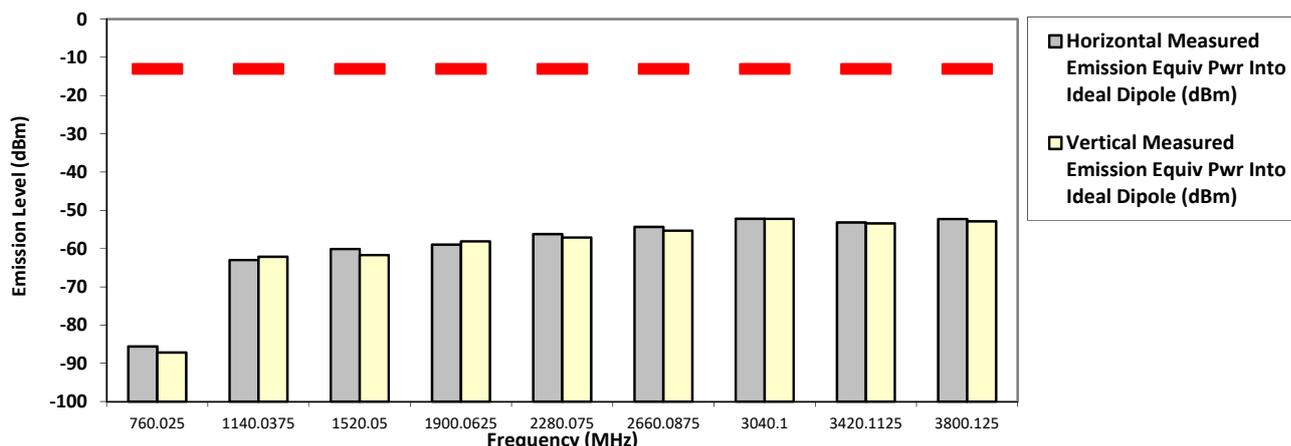
- 1) The Resolution Bandwidth for scanning Radiated Emission below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector mode is positive peak.
- 2) In the semi- anechoic chamber, setup as illustrated above the DUT placed 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.

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX Analog
380.012500 MHz **25 kHz** **0.100 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)
760.0250	-13.0000	-85.6032 **	-87.1695 **
1140.0375	-13.0000	-62.9964 **	-62.1446 **
1520.0500	-13.0000	-60.1204 **	-61.6918 **
1900.0625	-13.0000	-58.9868 **	-58.1174 **
2280.0750	-13.0000	-56.2365 **	-57.1230 **
2660.0875	-13.0000	-54.3615 **	-55.3103 **
3040.1000	-13.0000	-52.2200 **	-52.2547 **
3420.1125	-13.0000	-53.1557 **	-53.4358 **
3800.1250	-13.0000	-52.2845 **	-52.8730 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

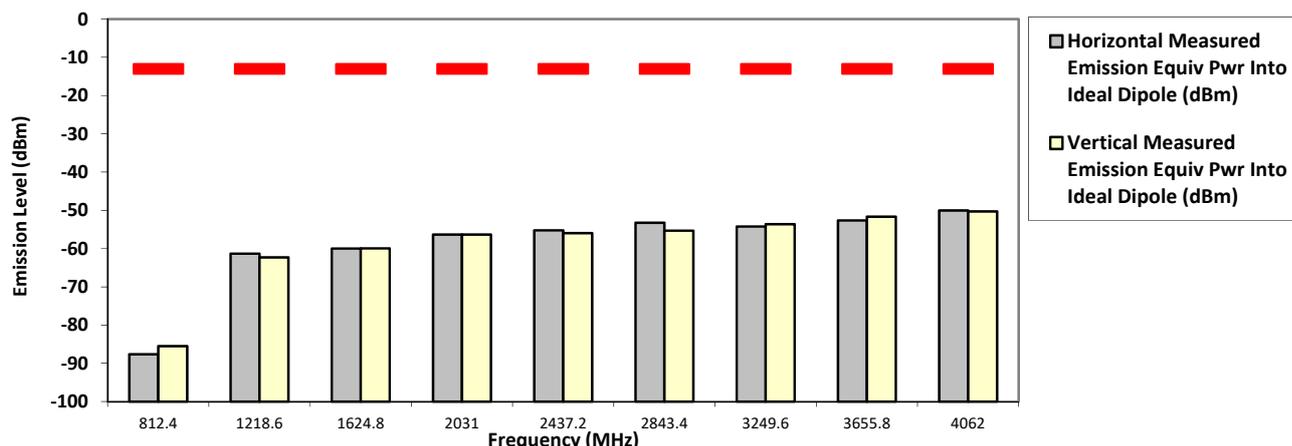
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX Analog
406.200000 MHz **25 kHz** **0.010 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)
812.4000	-13.0000	-87.6536 **	-85.5252 **
1218.6000	-13.0000	-61.3182 **	-62.3119 **
1624.8000	-13.0000	-59.9887 **	-59.9427 **
2031.0000	-13.0000	-56.3215 **	-56.3325 **
2437.2000	-13.0000	-55.2261 **	-55.9936 **
2843.4000	-13.0000	-53.2577 **	-55.3088 **
3249.6000	-13.0000	-54.2466 **	-53.6410 **
3655.8000	-13.0000	-52.6383 **	-51.6736 **
4062.0000	-13.0000	-50.0597 **	-50.2787 **

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: Nazrin&Qawiman Sat, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

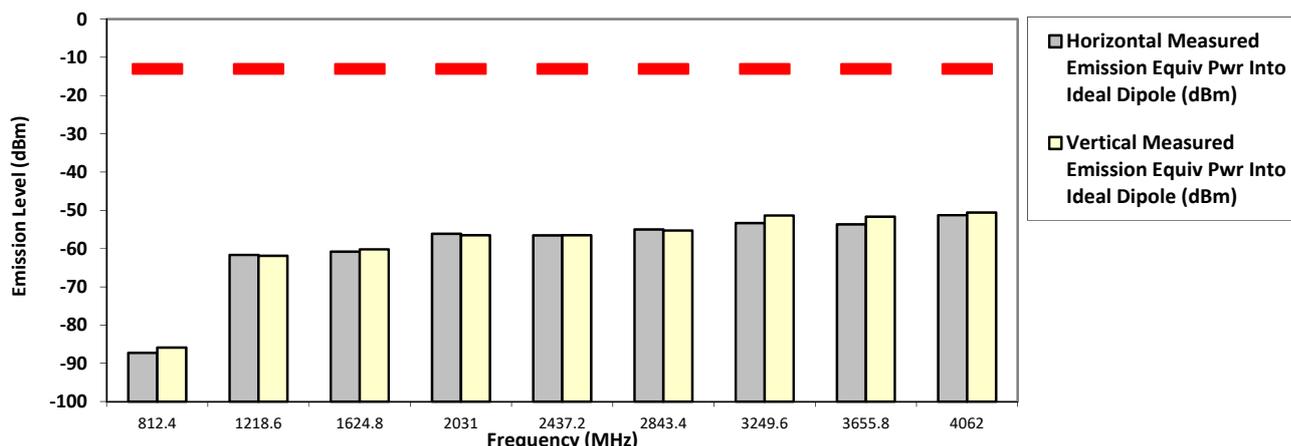
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX Analog
406.200000 MHz **25 kHz** **0.100 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)
812.4000	-13.0000	-87.2553 **	-85.8703 **
1218.6000	-13.0000	-61.6682 **	-61.9170 **
1624.8000	-13.0000	-60.7927 **	-60.2058 **
2031.0000	-13.0000	-56.1405 **	-56.4872 **
2437.2000	-13.0000	-56.5265 **	-56.5039 **
2843.4000	-13.0000	-55.0062 **	-55.2723 **
3249.6000	-13.0000	-53.3330 **	-51.3419 **
3655.8000	-13.0000	-53.6598 **	-51.6621 **
4062.0000	-13.0000	-51.2767 **	-50.5953 **

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: Nazrin&Qawiman Sat, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

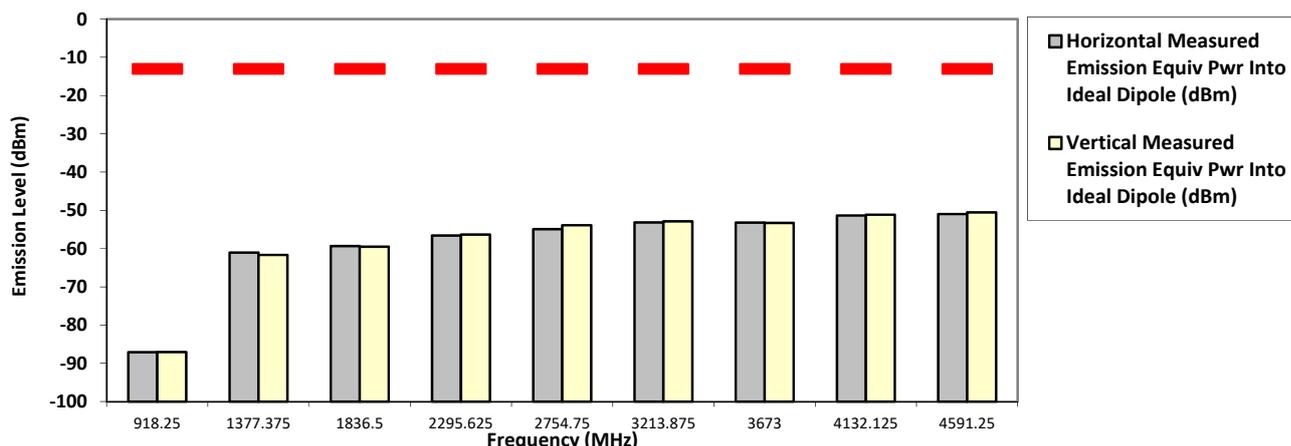
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN S/N: 756TVX0239 SR:03389-EMC-00015
 Battery Part No: PMNN4494A Accy Part No: NA
 Test Mode: TX Analog
 459.125000 MHz 25 kHz 0.100 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)
918.2500	-13.0000	-87.1079 **	-87.0517 **
1377.3750	-13.0000	-61.0625 **	-61.6528 **
1836.5000	-13.0000	-59.3314 **	-59.5242 **
2295.6250	-13.0000	-56.5883 **	-56.3486 **
2754.7500	-13.0000	-54.9305 **	-53.8950 **
3213.8750	-13.0000	-53.1719 **	-52.9095 **
3673.0000	-13.0000	-53.2308 **	-53.3046 **
4132.1250	-13.0000	-51.3534 **	-51.1333 **
4591.2500	-13.0000	-50.9859 **	-50.5268 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

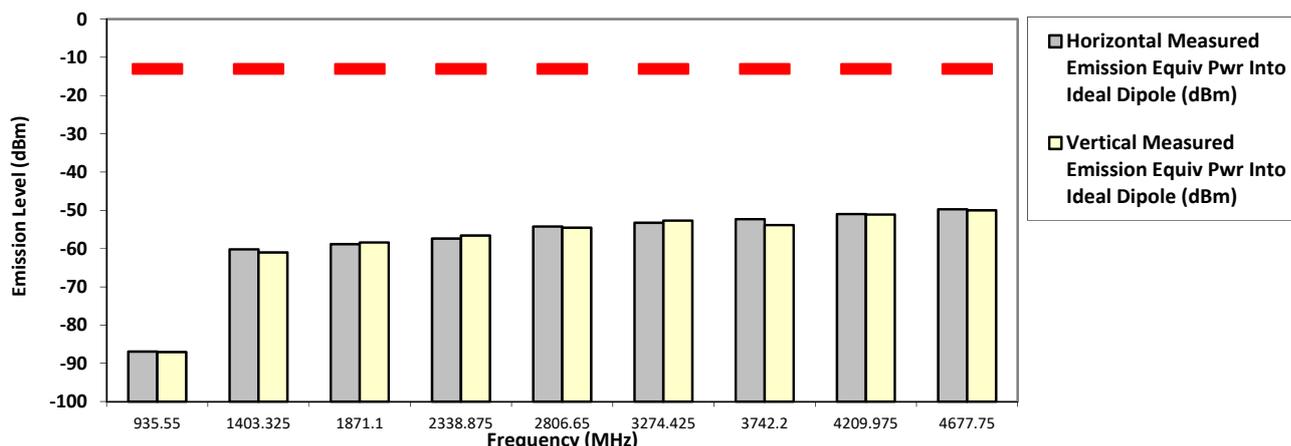
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN S/N: 756TVX0239 SR:03389-EMC-00015
 Battery Part No: PMNN4494A Accy Part No: NA
 Test Mode: TX Analog
 467.775000 MHz 25 kHz 0.010 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)
935.5500	-13.0000	-86.9596 **	-87.0492 **
1403.3250	-13.0000	-60.1973 **	-61.0056 **
1871.1000	-13.0000	-58.8514 **	-58.4006 **
2338.8750	-13.0000	-57.4041 **	-56.5678 **
2806.6500	-13.0000	-54.2149 **	-54.5607 **
3274.4250	-13.0000	-53.2456 **	-52.6861 **
3742.2000	-13.0000	-52.3069 **	-53.8619 **
4209.9750	-13.0000	-50.9659 **	-51.0916 **
4677.7500	-13.0000	-49.7358 **	-50.0044 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

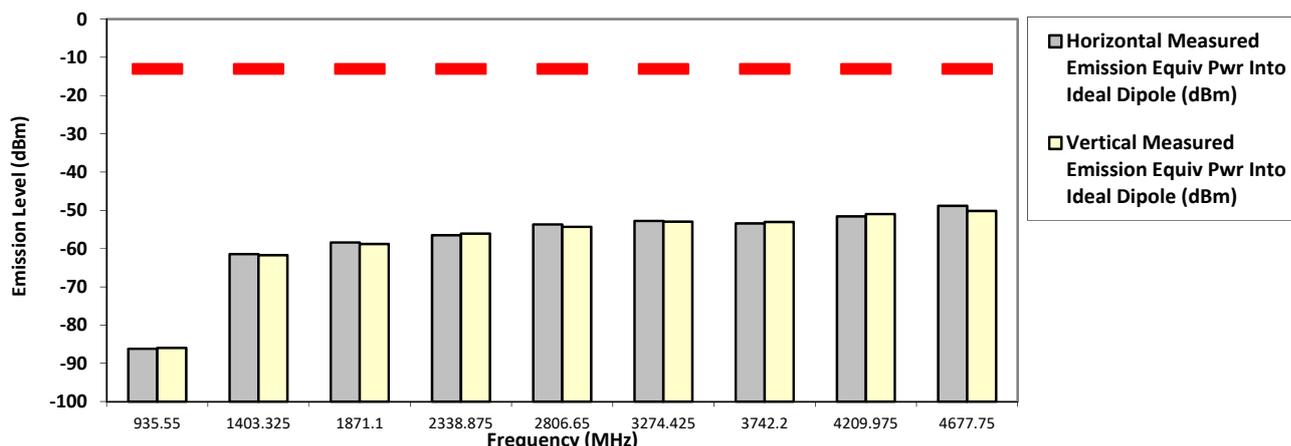
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX Analog
467.775000 MHz **25 kHz** **0.100 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)
935.5500	-13.0000	-86.2171 **	-85.9495 **
1403.3250	-13.0000	-61.4443 **	-61.7534 **
1871.1000	-13.0000	-58.4253 **	-58.8151 **
2338.8750	-13.0000	-56.4867 **	-56.1072 **
2806.6500	-13.0000	-53.7143 **	-54.3034 **
3274.4250	-13.0000	-52.7575 **	-52.9545 **
3742.2000	-13.0000	-53.4062 **	-53.0592 **
4209.9750	-13.0000	-51.5818 **	-50.9999 **
4677.7500	-13.0000	-48.8291 **	-50.1646 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

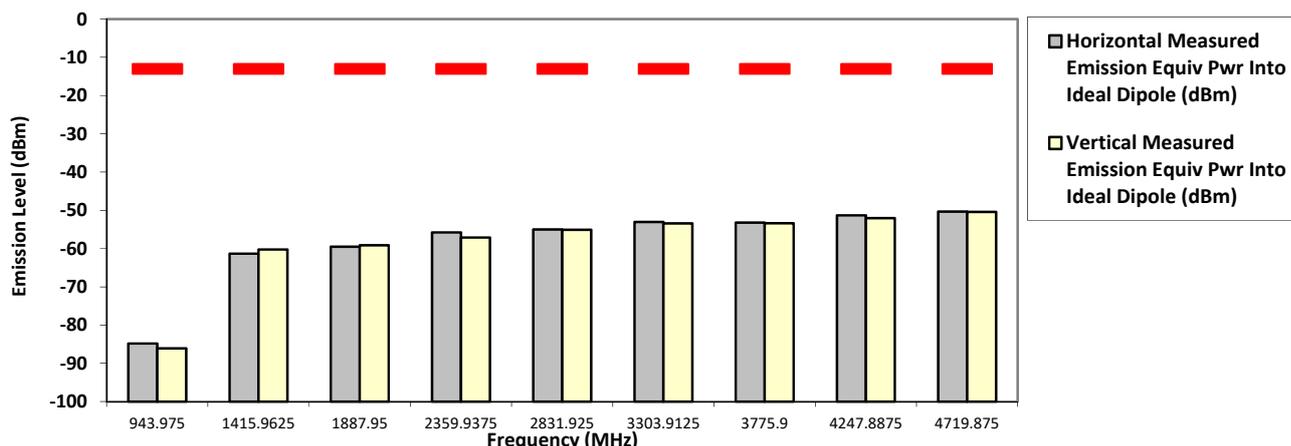
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX Analog
471.987500 MHz **25 kHz** **0.100 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)
943.9750	-13.0000	-84.8392 **	-86.0761 **
1415.9625	-13.0000	-61.3185 **	-60.2417 **
1887.9500	-13.0000	-59.5063 **	-59.1290 **
2359.9375	-13.0000	-55.7692 **	-57.1184 **
2831.9250	-13.0000	-55.0011 **	-55.0777 **
3303.9125	-13.0000	-53.0381 **	-53.4133 **
3775.9000	-13.0000	-53.2328 **	-53.3831 **
4247.8875	-13.0000	-51.3029 **	-52.0480 **
4719.8750	-13.0000	-50.3401 **	-50.4149 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

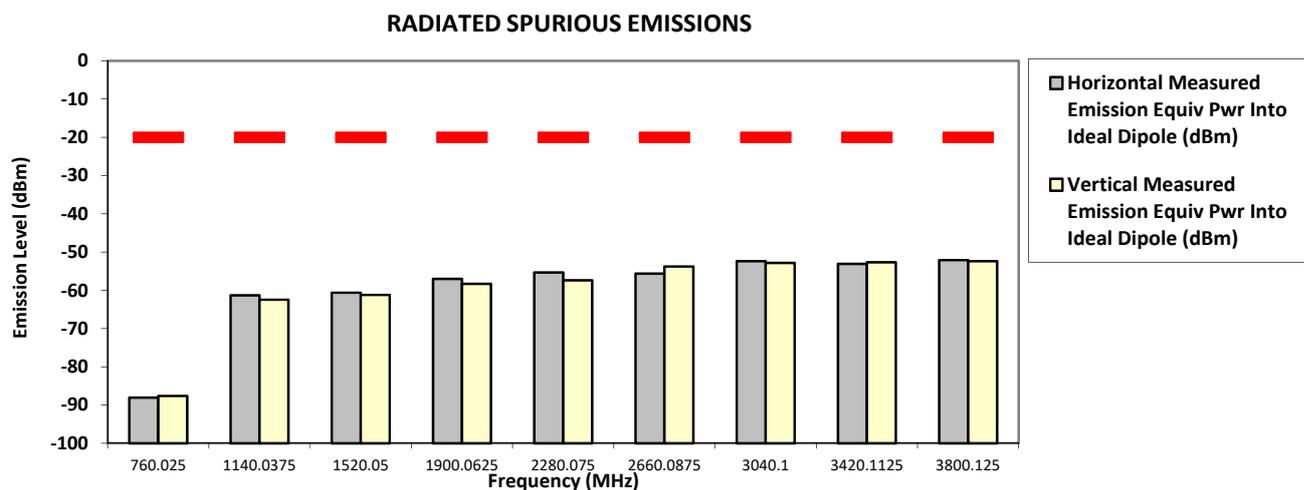
Remarks: Passed Results Marginal Results Failed Results

6.11.2. Test Result (Digital)

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN S/N: 756TVX0239 SR:03389-EMC-00015
 Battery Part No: PMNN4494A Accy Part No: NA
 Test Mode: TX APCO Digital C4FM
 380.012500 MHz 12.5 kHz 0.010 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)
760.0250	-20.0000	-88.0719 **	-87.6319 **
1140.0375	-20.0000	-61.3462 **	-62.4811 **
1520.0500	-20.0000	-60.6547 **	-61.2010 **
1900.0625	-20.0000	-57.0458 **	-58.3146 **
2280.0750	-20.0000	-55.3858 **	-57.4062 **
2660.0875	-20.0000	-55.6692 **	-53.7813 **
3040.1000	-20.0000	-52.3896 **	-52.8576 **
3420.1125	-20.0000	-53.1079 **	-52.6893 **
3800.1250	-20.0000	-52.1109 **	-52.3922 **



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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

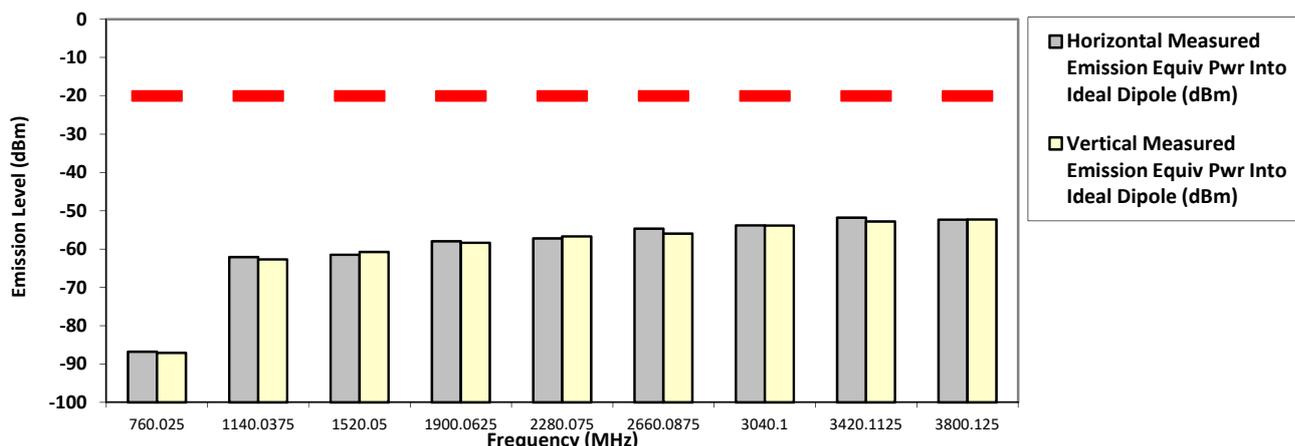
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
380.012500 MHz **12.5 kHz** **0.100 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)
760.0250	-20.0000	-86.8042 **	-87.1002 **
1140.0375	-20.0000	-62.0733 **	-62.6817 **
1520.0500	-20.0000	-61.4647 **	-60.7445 **
1900.0625	-20.0000	-57.9362 **	-58.3751 **
2280.0750	-20.0000	-57.2198 **	-56.6788 **
2660.0875	-20.0000	-54.6863 **	-55.9819 **
3040.1000	-20.0000	-53.8086 **	-53.8663 **
3420.1125	-20.0000	-51.7934 **	-52.8258 **
3800.1250	-20.0000	-52.3270 **	-52.2759 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

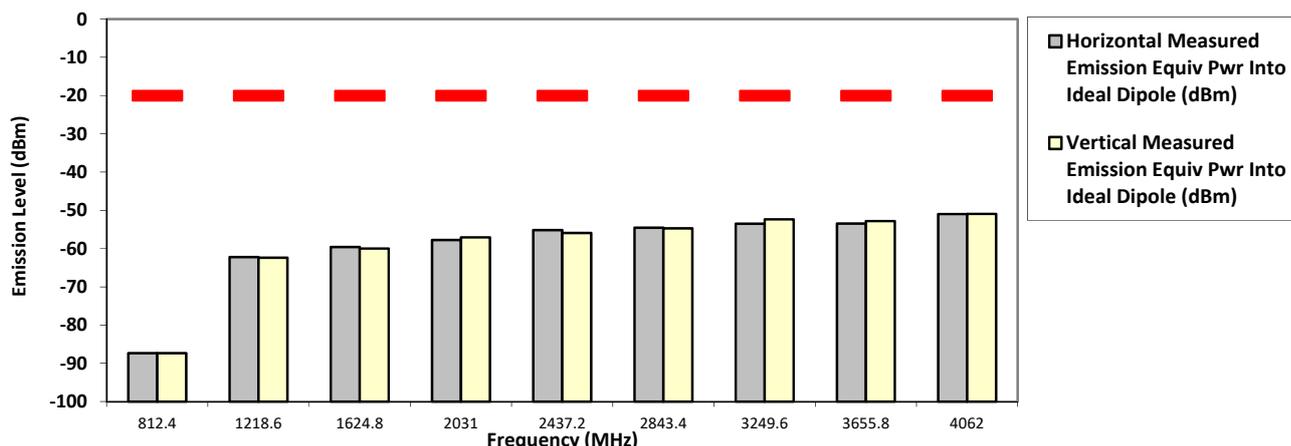
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
406.200000 MHz **12.5 kHz** **0.010 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)
812.4000	-20.0000	-87.3694 **	-87.3381 **
1218.6000	-20.0000	-62.2314 **	-62.4026 **
1624.8000	-20.0000	-59.5759 **	-59.9732 **
2031.0000	-20.0000	-57.7695 **	-57.0574 **
2437.2000	-20.0000	-55.1723 **	-55.9286 **
2843.4000	-20.0000	-54.5353 **	-54.7070 **
3249.6000	-20.0000	-53.4832 **	-52.3573 **
3655.8000	-20.0000	-53.4426 **	-52.7898 **
4062.0000	-20.0000	-50.9912 **	-50.9256 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

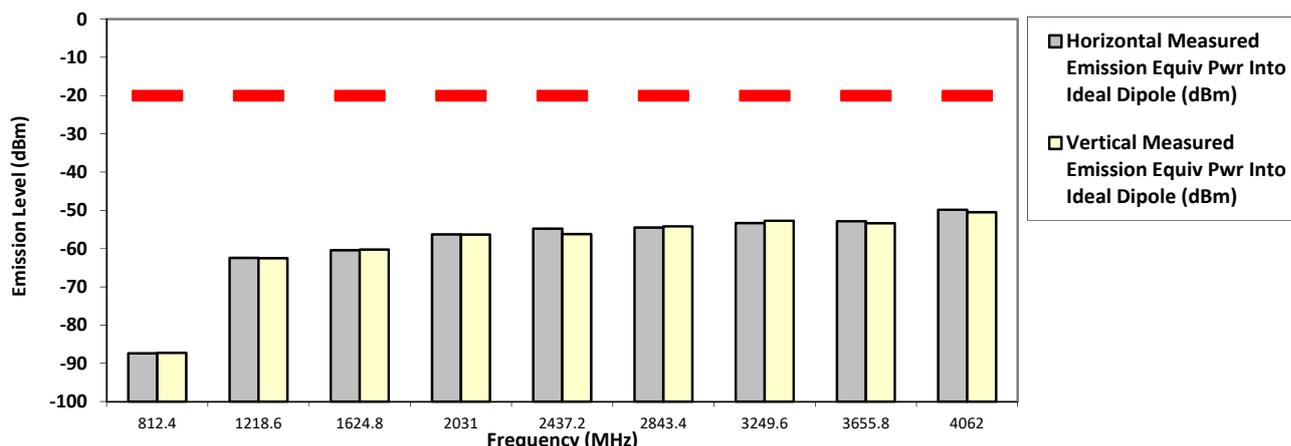
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
406.200000 MHz **12.5 kHz** **0.100 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)
812.4000	-20.0000	-87.3736 **	-87.2523 **
1218.6000	-20.0000	-62.4416 **	-62.5004 **
1624.8000	-20.0000	-60.4480 **	-60.2840 **
2031.0000	-20.0000	-56.3108 **	-56.3529 **
2437.2000	-20.0000	-54.8139 **	-56.2055 **
2843.4000	-20.0000	-54.5150 **	-54.1830 **
3249.6000	-20.0000	-53.3218 **	-52.7393 **
3655.8000	-20.0000	-52.8348 **	-53.3902 **
4062.0000	-20.0000	-49.8299 **	-50.4943 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

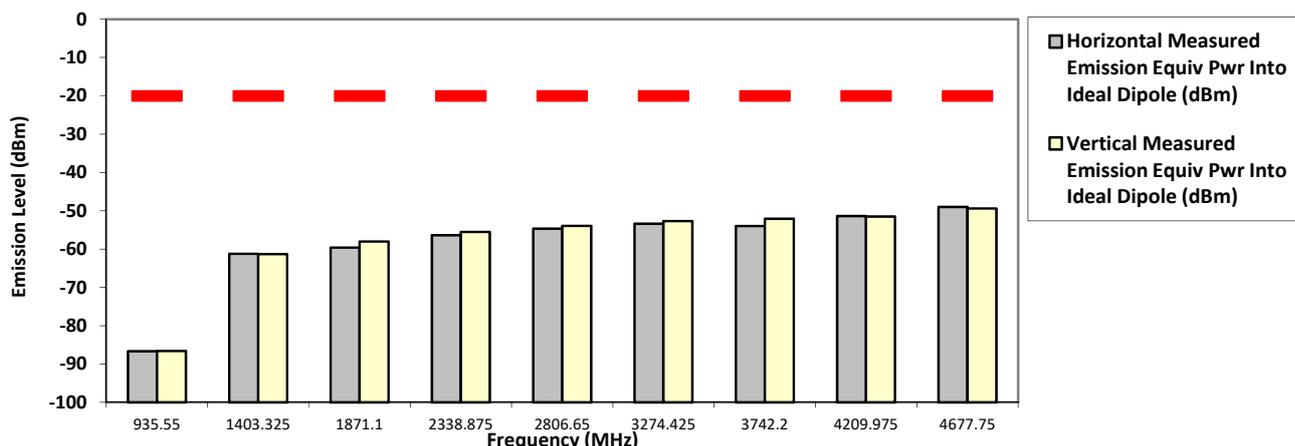
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
467.775000 MHz **12.5 kHz** **0.010 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)
935.5500	-20.0000	-86.6754 **	-86.6009 **
1403.3250	-20.0000	-61.2358 **	-61.2946 **
1871.1000	-20.0000	-59.6328 **	-58.0153 **
2338.8750	-20.0000	-56.3918 **	-55.5323 **
2806.6500	-20.0000	-54.6893 **	-53.9445 **
3274.4250	-20.0000	-53.3867 **	-52.6707 **
3742.2000	-20.0000	-53.9655 **	-52.0738 **
4209.9750	-20.0000	-51.3689 **	-51.5199 **
4677.7500	-20.0000	-48.9900 **	-49.3867 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

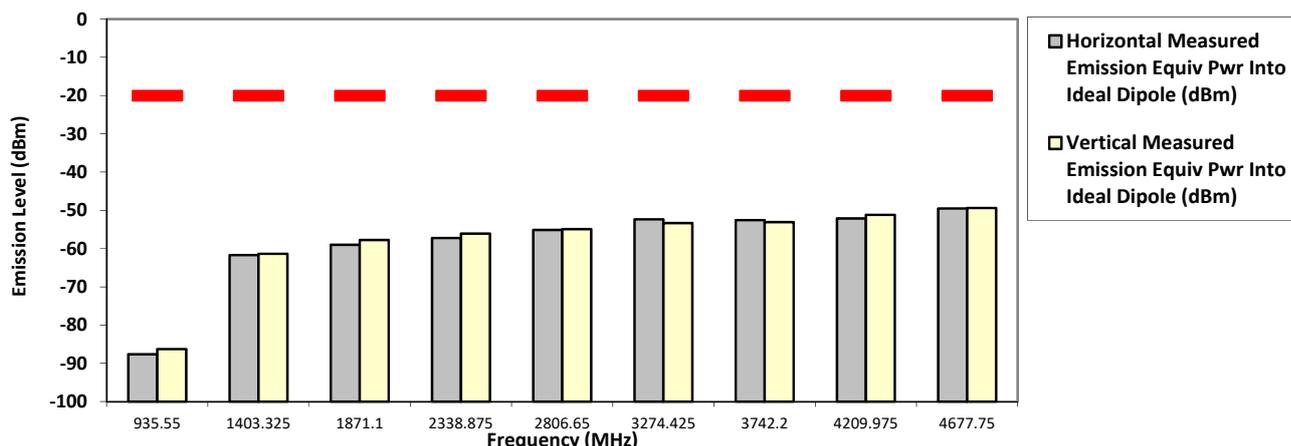
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
467.775000 MHz **12.5 kHz** **0.100 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)
935.5500	-20.0000	-87.6445 **	-86.3137 **
1403.3250	-20.0000	-61.7155 **	-61.3649 **
1871.1000	-20.0000	-59.0066 **	-57.7744 **
2338.8750	-20.0000	-57.2159 **	-56.0869 **
2806.6500	-20.0000	-55.1151 **	-54.9276 **
3274.4250	-20.0000	-52.3622 **	-53.3484 **
3742.2000	-20.0000	-52.5651 **	-53.1116 **
4209.9750	-20.0000	-52.1199 **	-51.2026 **
4677.7500	-20.0000	-49.5371 **	-49.4031 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

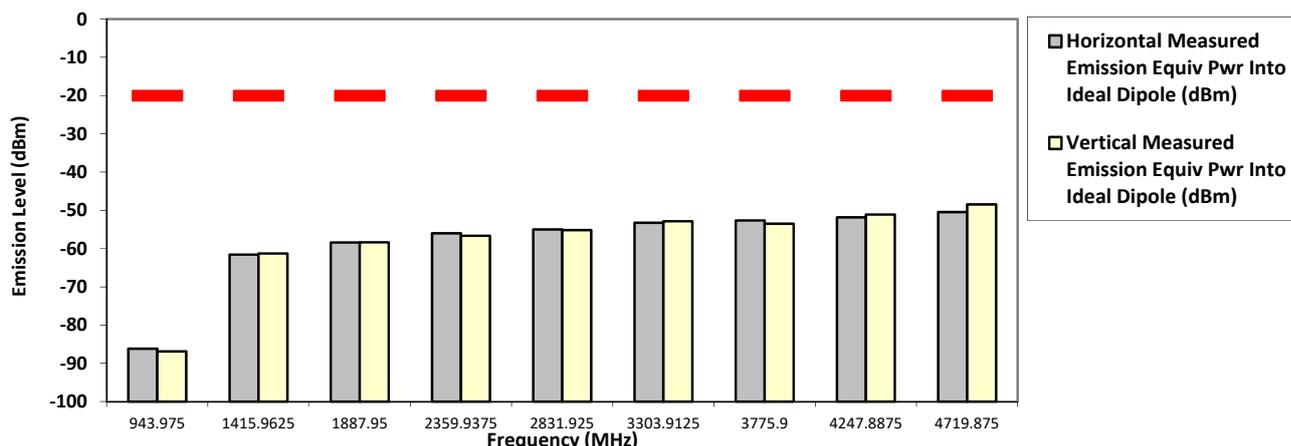
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
471.987500 MHz **12.5 kHz** **0.010 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)
943.9750	-20.0000	-86.1600 **	-86.8859 **
1415.9625	-20.0000	-61.5640 **	-61.3124 **
1887.9500	-20.0000	-58.4058 **	-58.3830 **
2359.9375	-20.0000	-55.9983 **	-56.6766 **
2831.9250	-20.0000	-55.0108 **	-55.1792 **
3303.9125	-20.0000	-53.2410 **	-52.8374 **
3775.9000	-20.0000	-52.6408 **	-53.4935 **
4247.8875	-20.0000	-51.8543 **	-51.0952 **
4719.8750	-20.0000	-50.4383 **	-48.4739 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

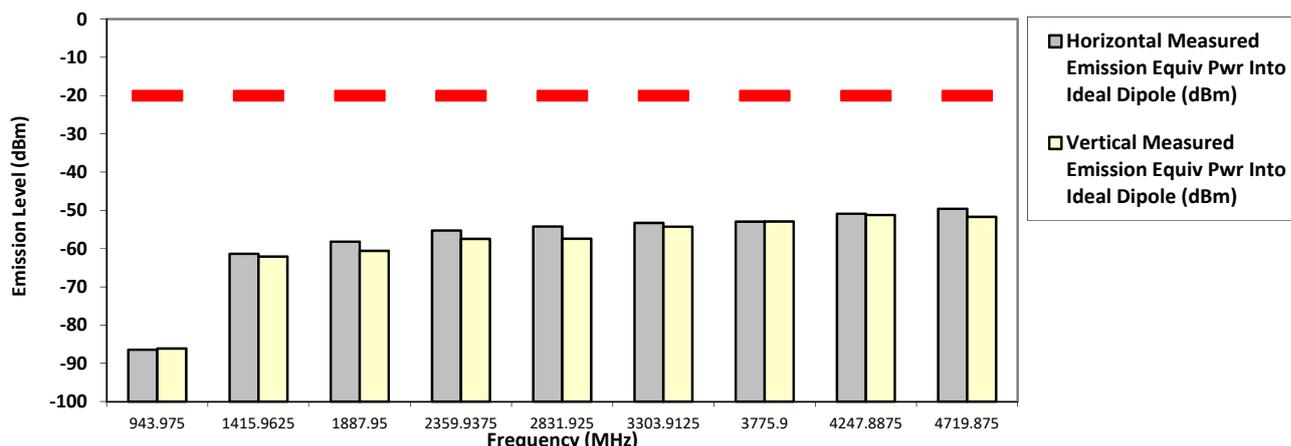
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital C4FM
471.987500 MHz **12.5 kHz** **0.100 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)
943.9750	-20.0000	-86.4756 **	-86.1263 **
1415.9625	-20.0000	-61.3861 **	-62.1010 **
1887.9500	-20.0000	-58.1883 **	-60.5861 **
2359.9375	-20.0000	-55.2730 **	-57.4570 **
2831.9250	-20.0000	-54.2178 **	-57.4458 **
3303.9125	-20.0000	-53.3124 **	-54.2581 **
3775.9000	-20.0000	-52.9709 **	-52.9478 **
4247.8875	-20.0000	-50.9157 **	-51.2451 **
4719.8750	-20.0000	-49.6046 **	-51.7269 **

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: Nazrin&Qawiman Wed, Nov 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): 23.5 Hum(%RH): 71.3

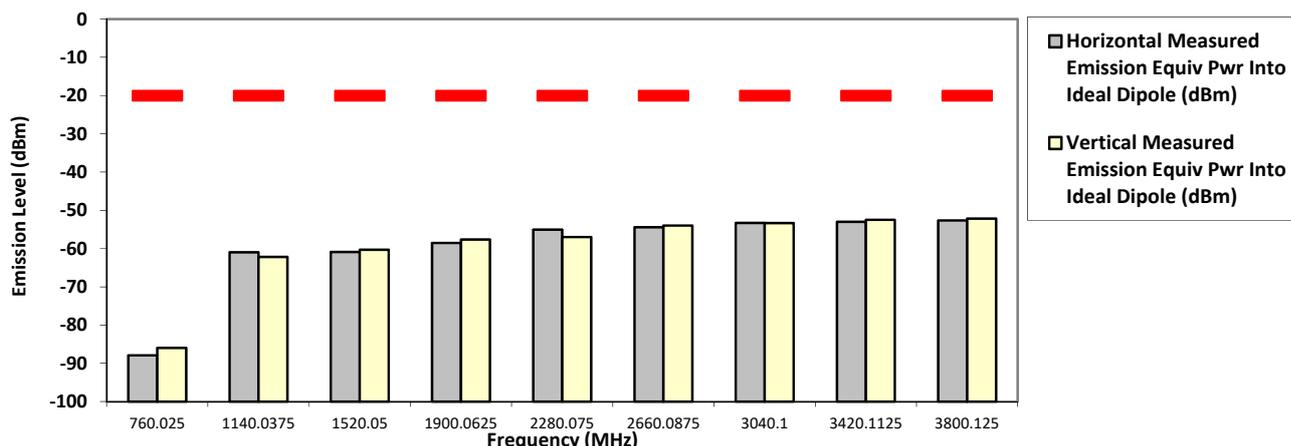
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
380.012500 MHz **12.5 kHz** **0.010 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)
760.0250	-20.0000	-87.9294 **	-85.9540 **
1140.0375	-20.0000	-60.9510 **	-62.1820 **
1520.0500	-20.0000	-60.9032 **	-60.3099 **
1900.0625	-20.0000	-58.5328 **	-57.6495 **
2280.0750	-20.0000	-55.0514 **	-56.9901 **
2660.0875	-20.0000	-54.4368 **	-53.9771 **
3040.1000	-20.0000	-53.2962 **	-53.3339 **
3420.1125	-20.0000	-53.0125 **	-52.4751 **
3800.1250	-20.0000	-52.6528 **	-52.1733 **

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: Nazrin&Azil Wed, Nov 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): 23.5 Hum(%RH): 71.3

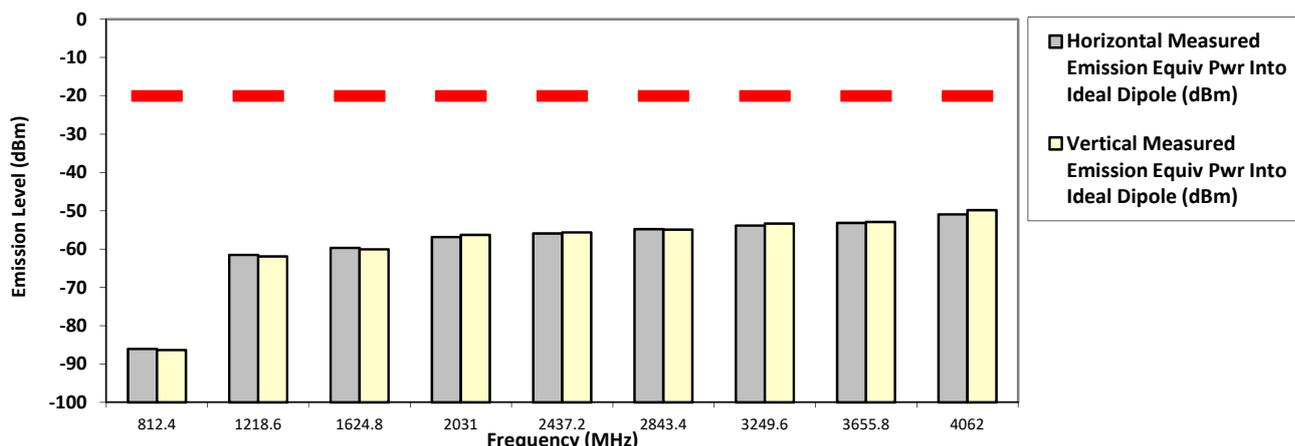
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
406.200000 MHz **12.5 kHz** **0.010 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)
812.4000	-20.0000	-86.0693 **	-86.3449 **
1218.6000	-20.0000	-61.5162 **	-61.9104 **
1624.8000	-20.0000	-59.6773 **	-60.0535 **
2031.0000	-20.0000	-56.8620 **	-56.2706 **
2437.2000	-20.0000	-55.9431 **	-55.6542 **
2843.4000	-20.0000	-54.7973 **	-54.9182 **
3249.6000	-20.0000	-53.8522 **	-53.3368 **
3655.8000	-20.0000	-53.1712 **	-52.9311 **
4062.0000	-20.0000	-50.9229 **	-49.8304 **

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: Nazrin&Azil Wed, Nov 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): 23.5 Hum(%RH): 71.3

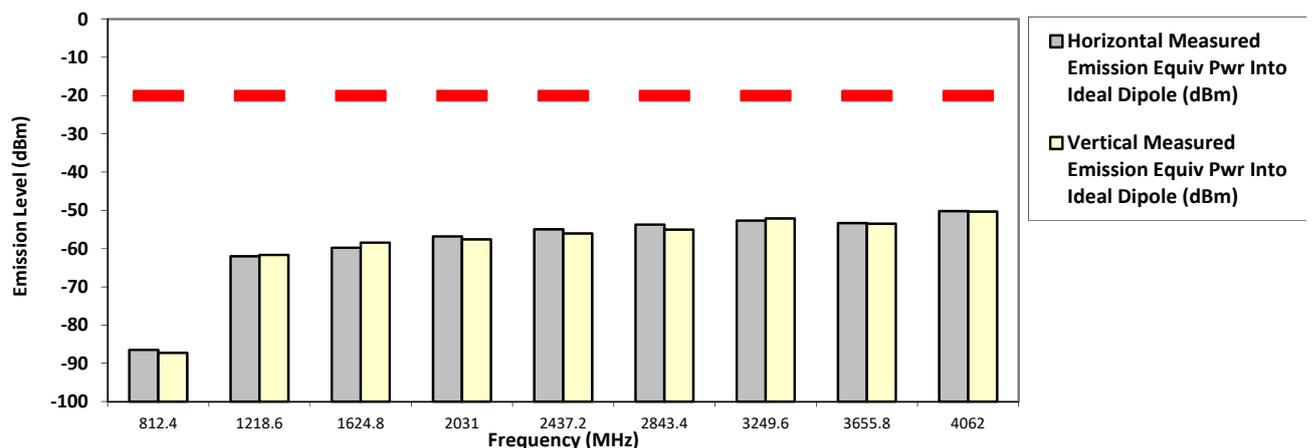
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
406.200000 MHz **12.5 kHz** **0.100 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)
812.4000	-20.0000	-86.4946 **	-87.2760 **
1218.6000	-20.0000	-62.0262 **	-61.6560 **
1624.8000	-20.0000	-59.7914 **	-58.4606 **
2031.0000	-20.0000	-56.8141 **	-57.6099 **
2437.2000	-20.0000	-54.9649 **	-56.0411 **
2843.4000	-20.0000	-53.7600 **	-55.0406 **
3249.6000	-20.0000	-52.6944 **	-52.1303 **
3655.8000	-20.0000	-53.3488 **	-53.5146 **
4062.0000	-20.0000	-50.1987 **	-50.3353 **

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: Nazrin&Azil Wed, Nov 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): 23.5 Hum(%RH): 71.3

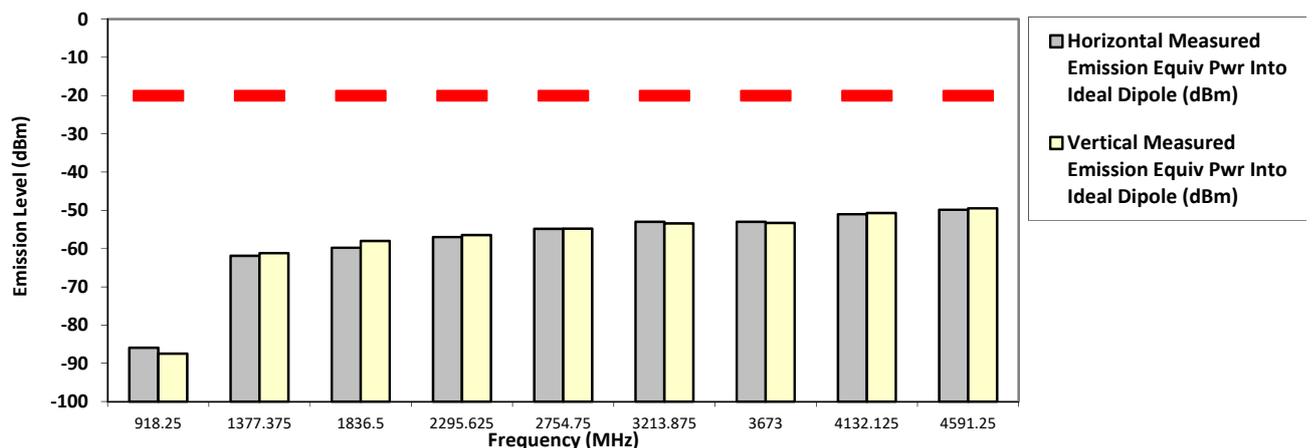
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
459.125000 MHz **12.5 kHz** **0.010 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)
918.2500	-20.0000	-85.9300 **	-87.4552 **
1377.3750	-20.0000	-61.8906 **	-61.2000 **
1836.5000	-20.0000	-59.7706 **	-58.0054 **
2295.6250	-20.0000	-56.9958 **	-56.4630 **
2754.7500	-20.0000	-54.8224 **	-54.8142 **
3213.8750	-20.0000	-52.9983 **	-53.4359 **
3673.0000	-20.0000	-52.9932 **	-53.3109 **
4132.1250	-20.0000	-51.0333 **	-50.7000 **
4591.2500	-20.0000	-49.8576 **	-49.4668 **

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: Nazrin&Azil Wed, Nov 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): 23.5 Hum(%RH): 71.3

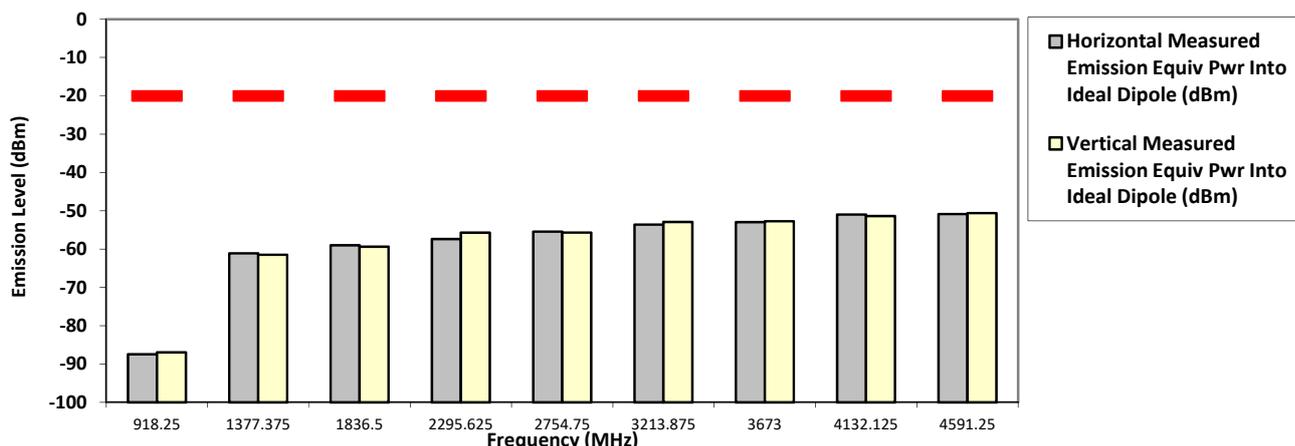
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
459.125000 MHz **12.5 kHz** **0.100 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)
918.2500	-20.0000	-87.4658 **	-86.9615 **
1377.3750	-20.0000	-61.1004 **	-61.4916 **
1836.5000	-20.0000	-58.9928 **	-59.3613 **
2295.6250	-20.0000	-57.3656 **	-55.7175 **
2754.7500	-20.0000	-55.4339 **	-55.6722 **
3213.8750	-20.0000	-53.6074 **	-52.9230 **
3673.0000	-20.0000	-52.9833 **	-52.7384 **
4132.1250	-20.0000	-50.9654 **	-51.3790 **
4591.2500	-20.0000	-50.8645 **	-50.6163 **

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System MU: 5.01 dB

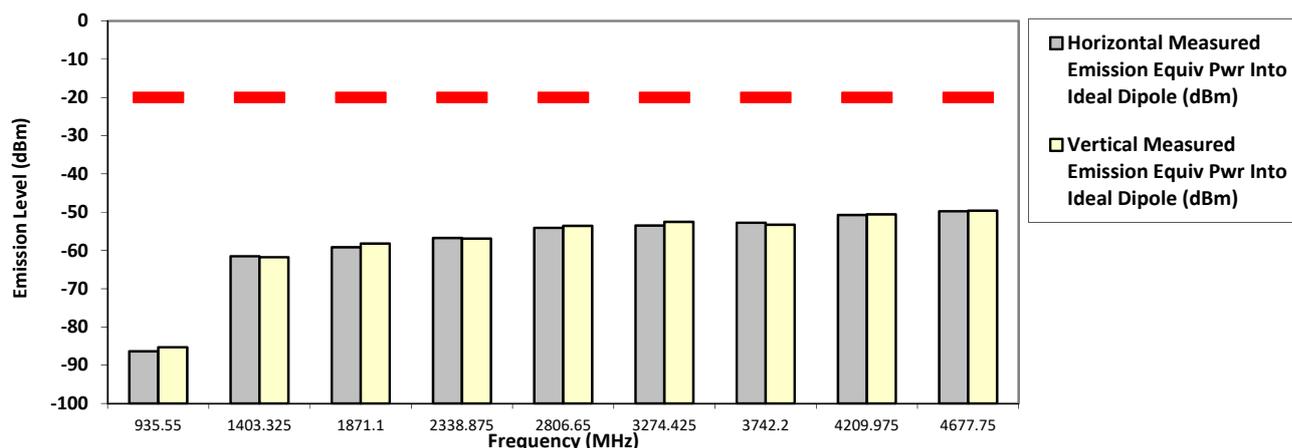
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN S/N: 756TVX0239 SR:03389-EMC-00015
 Battery Part No: PMNN4494A Accy Part No: NA
 Test Mode: TX APCO Digital Phase II
 467.775000 MHz 12.5 kHz 0.100 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)
935.5500	-20.0000	-86.3568 **	-85.3356 **
1403.3250	-20.0000	-61.5354 **	-61.7742 **
1871.1000	-20.0000	-59.1734 **	-58.2109 **
2338.8750	-20.0000	-56.7298 **	-56.8975 **
2806.6500	-20.0000	-54.1037 **	-53.5863 **
3274.4250	-20.0000	-53.5044 **	-52.5230 **
3742.2000	-20.0000	-52.7807 **	-53.3001 **
4209.9750	-20.0000	-50.7507 **	-50.5824 **
4677.7500	-20.0000	-49.7561 **	-49.5962 **

RADIATED SPURIOUS EMISSIONS



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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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

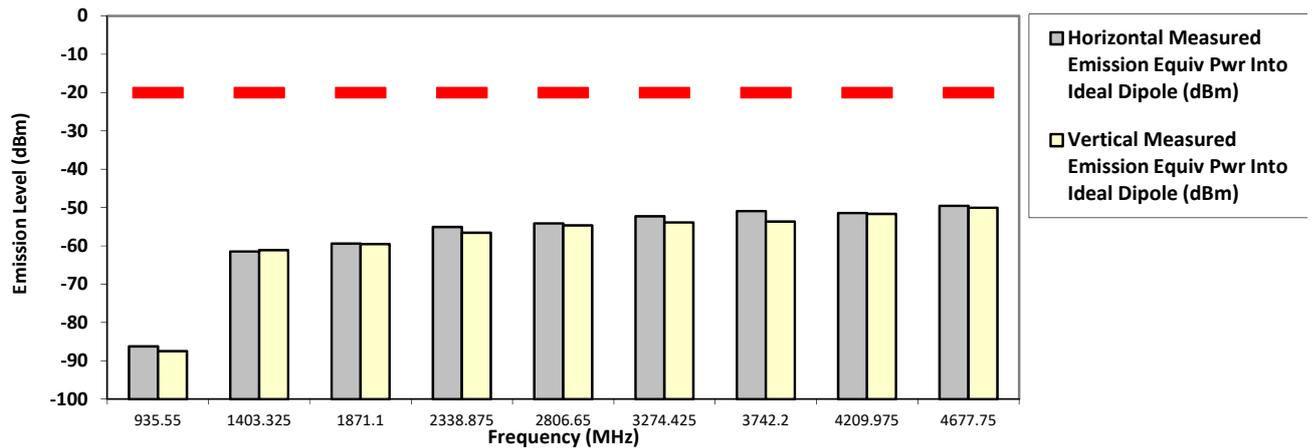
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: H99QDH9PW7BN S/N: 756TVX0239 SR:03389-EMC-00015
 Battery Part No: PMNN4494A Accy Part No: NA
 Test Mode: TX APCO Digital Phase II
 467.775000 MHz 12.5 kHz 0.010 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)
935.5500	-20.0000	-86.2368 **	-87.4991 **
1403.3250	-20.0000	-61.4586 **	-61.1121 **
1871.1000	-20.0000	-59.4051 **	-59.5358 **
2338.8750	-20.0000	-55.0801 **	-56.5912 **
2806.6500	-20.0000	-54.1231 **	-54.6894 **
3274.4250	-20.0000	-52.2766 **	-53.9002 **
3742.2000	-20.0000	-50.9609 **	-53.6395 **
4209.9750	-20.0000	-51.4441 **	-51.6918 **
4677.7500	-20.0000	-49.5493 **	-50.0681 **

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 Temp(Deg): 23.5 Hum(%RH): 71.3

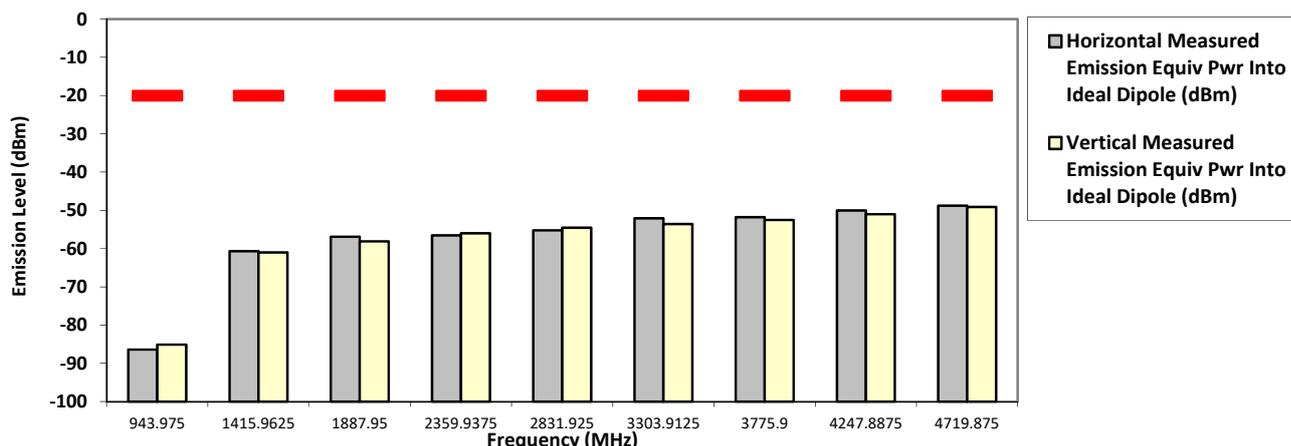
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
471.987500 MHz **12.5 kHz** **0.010 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)
943.9750	-20.0000	-86.4245 **	-85.1266 **
1415.9625	-20.0000	-60.6687 **	-61.0001 **
1887.9500	-20.0000	-56.8950 **	-58.1331 **
2359.9375	-20.0000	-56.5257 **	-56.0166 **
2831.9250	-20.0000	-55.2639 **	-54.5562 **
3303.9125	-20.0000	-52.0811 **	-53.5911 **
3775.9000	-20.0000	-51.8098 **	-52.5383 **
4247.8875	-20.0000	-50.0353 **	-51.0235 **
4719.8750	-20.0000	-48.7722 **	-49.1001 **

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: Nazrin&Azil Wed, Nov 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): 23.5 Hum(%RH): 71.3

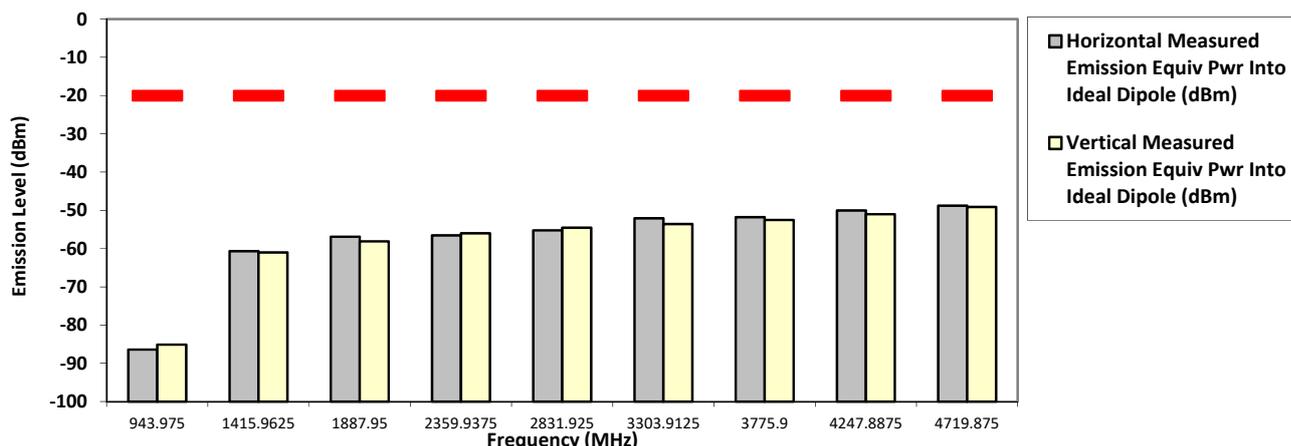
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: H99QDH9PW7BN **S/N: 756TVX0239** **SR:03389-EMC-00015**
Battery Part No: PMNN4494A **Accy Part No: NA**
Test Mode: TX APCO Digital Phase II
471.987500 MHz **12.5 kHz** **0.010 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)
943.9750	-20.0000	-86.4245 **	-85.1266 **
1415.9625	-20.0000	-60.6687 **	-61.0001 **
1887.9500	-20.0000	-56.8950 **	-58.1331 **
2359.9375	-20.0000	-56.5257 **	-56.0166 **
2831.9250	-20.0000	-55.2639 **	-54.5562 **
3303.9125	-20.0000	-52.0811 **	-53.5911 **
3775.9000	-20.0000	-51.8098 **	-52.5383 **
4247.8875	-20.0000	-50.0353 **	-51.0235 **
4719.8750	-20.0000	-48.7722 **	-49.1001 **

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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): 23.5 Hum(%RH): 71.3

System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

6.11.3. Test Limit

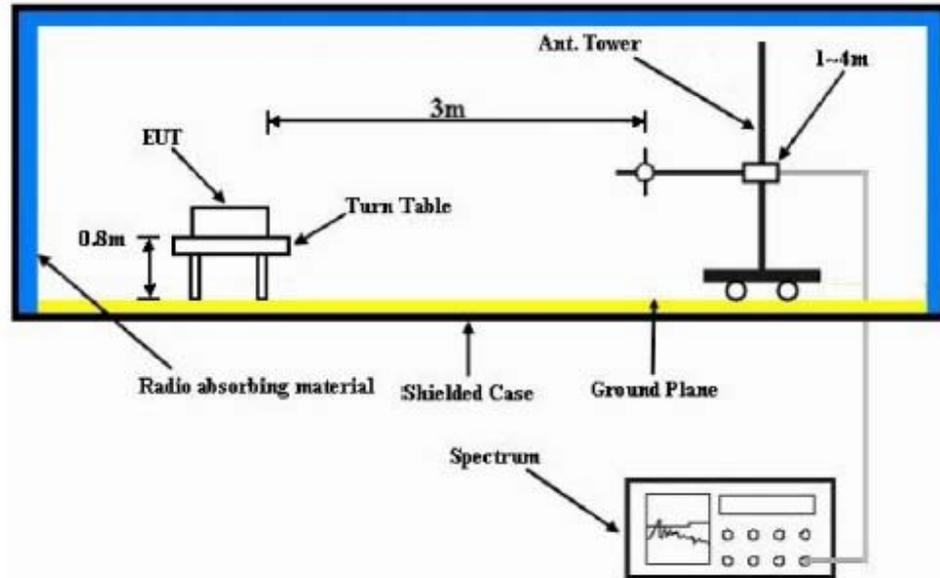
Table below summarized the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least

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

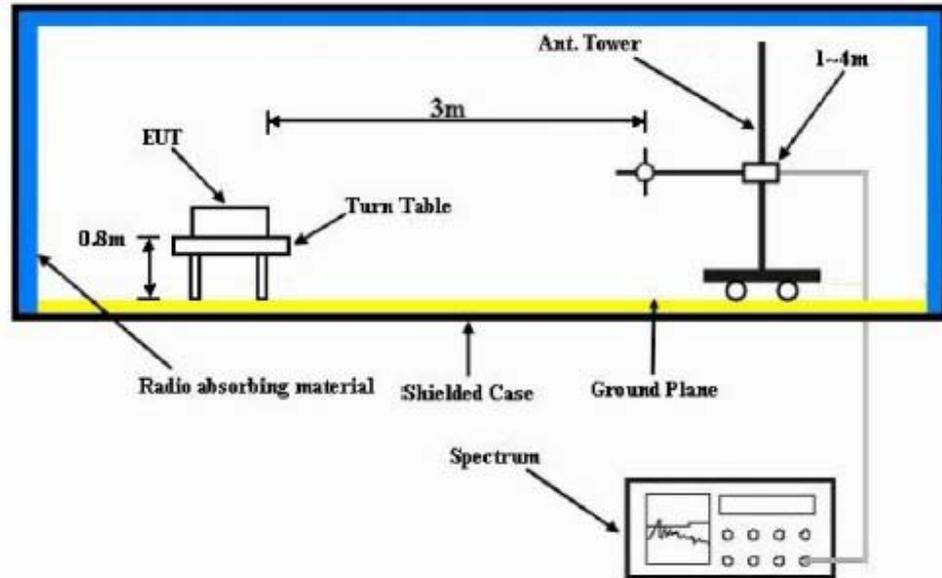
NA → Not Applicable

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) $EIRP = \text{“Read Value”} + \text{Measured substitution value} + 2.15$.

6.13.2. Test Result

NA → Not Applicable

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 ~