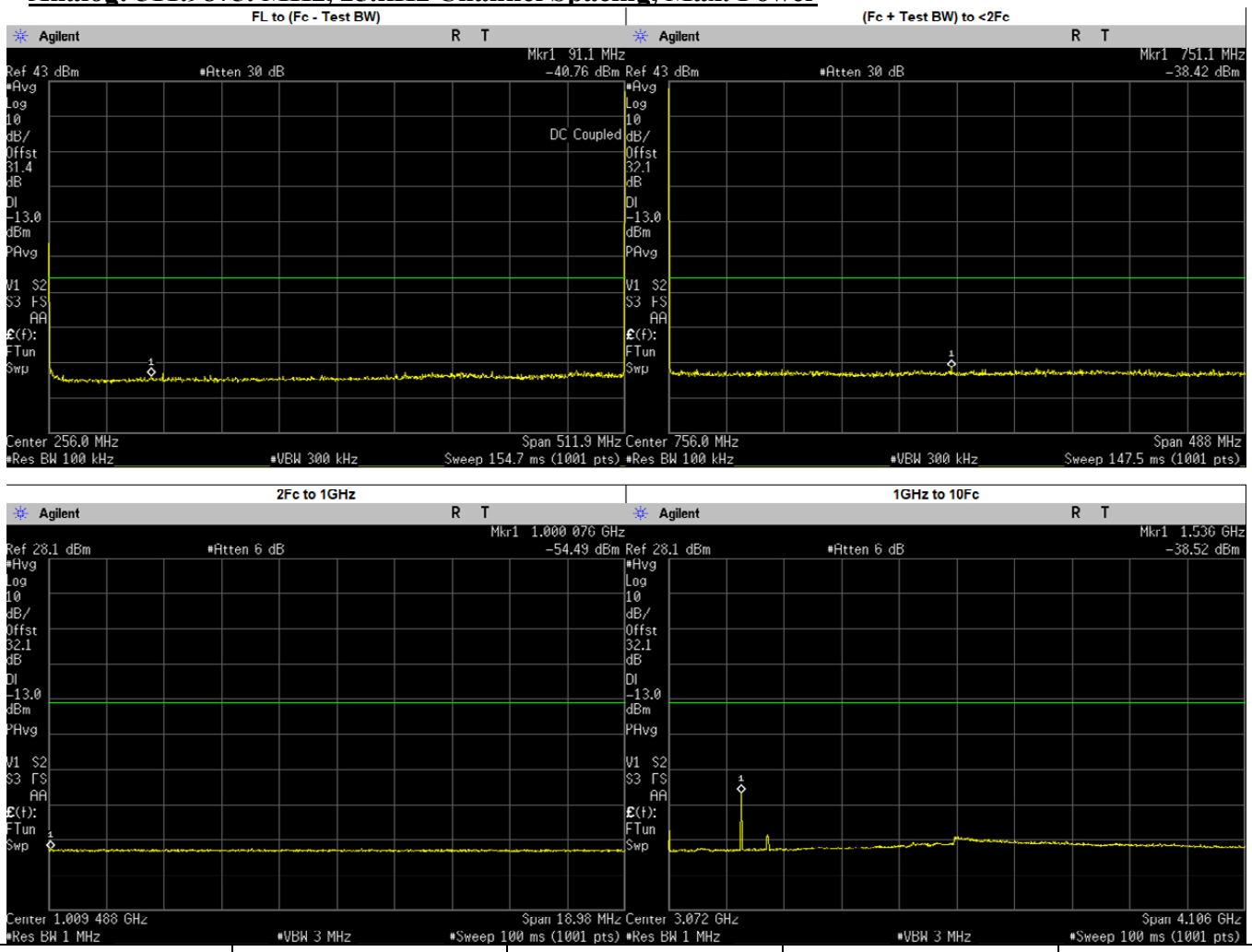
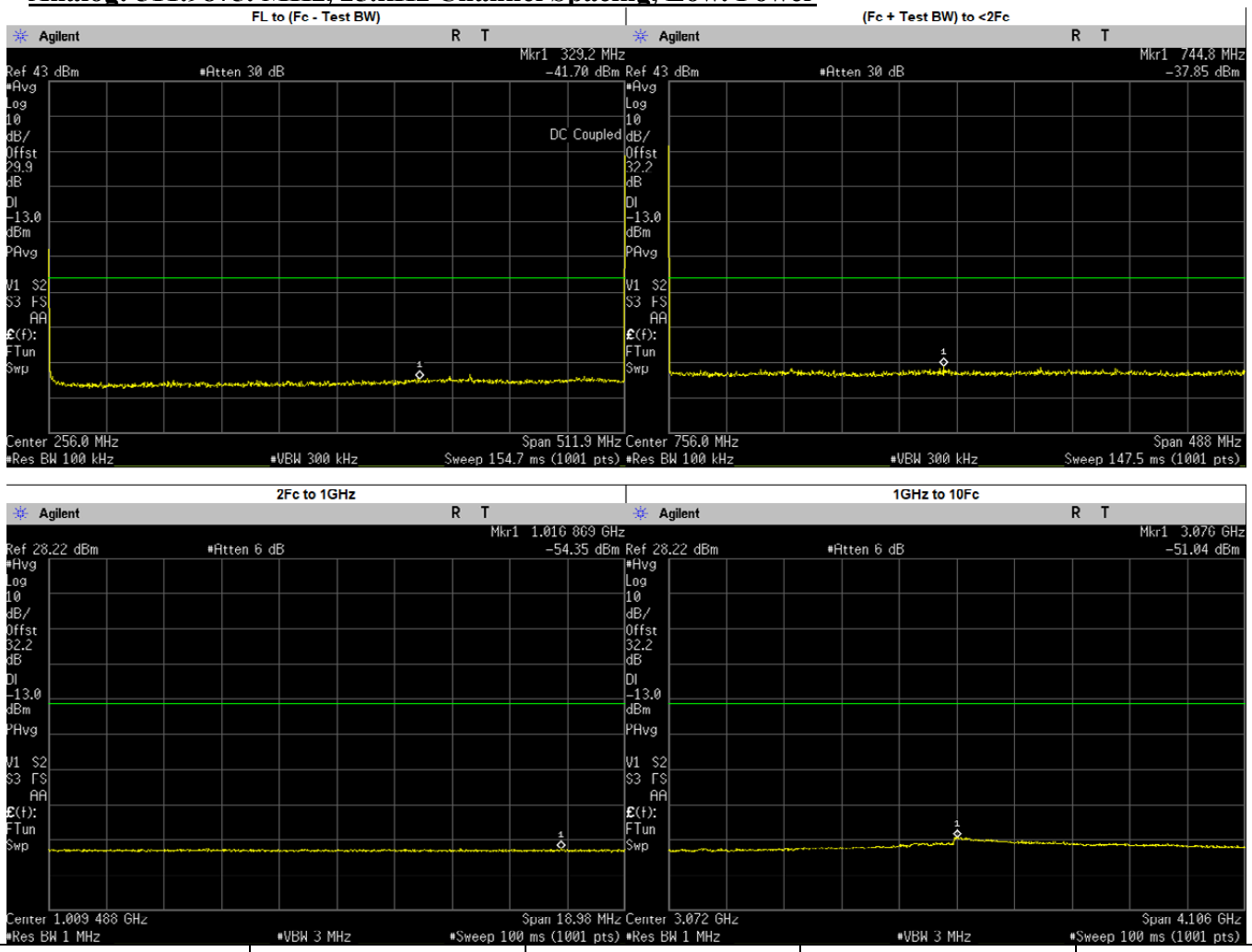
Analog: 511.9875. MHz, 25.kHz Channel Spacing, Max. Power



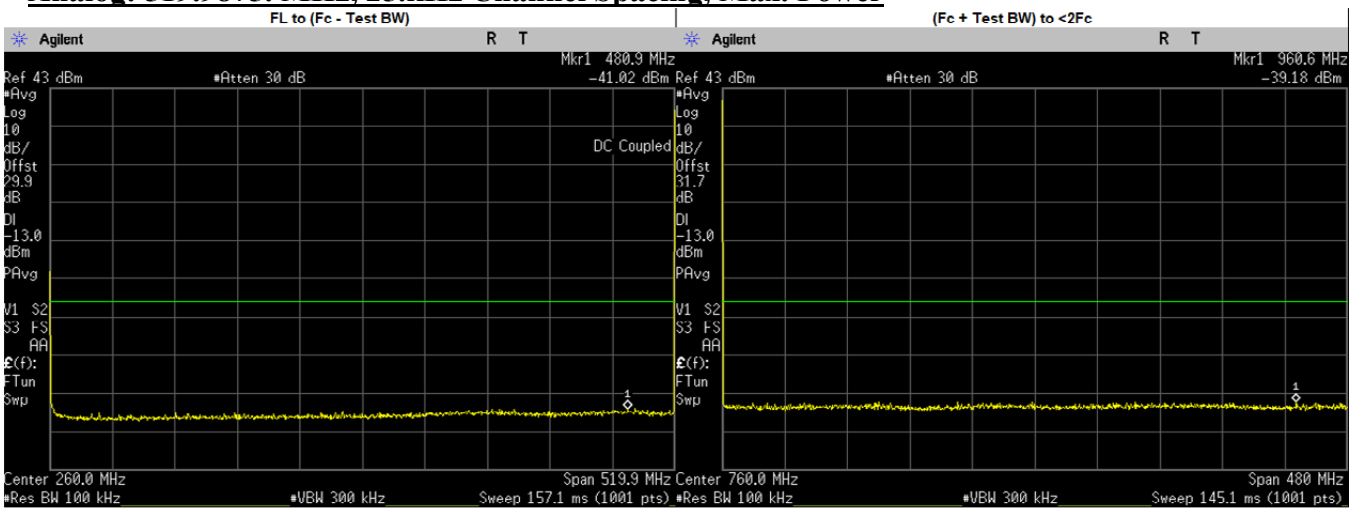
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.5209	-36.6300	-13.00	PASS
(Fc + Test BW) to <2Fc	751.1426	-38.4100	-13.00	PASS
2Fc to 1GHz	1000.0760	-54.4900	-13.00	PASS
1GHz to 10Fc	1721.0840	-50.4800	-13.00	PASS
	1023.9750	-50.4309	-13.00	PASS
	1535.9630	-39.9387	-13.00	PASS
	2047.9500	-54.2784	-13.00	PASS
	2559.9370	-53.7953	-13.00	PASS
	3071.9250	-51.4410	-13.00	PASS
	3583.9120	-52.6184	-13.00	PASS
	4095.9000	-53.3346	-13.00	PASS
	4607.8870	-53.2919	-13.00	PASS
	5119.8750	-53.9871	-13.00	PASS

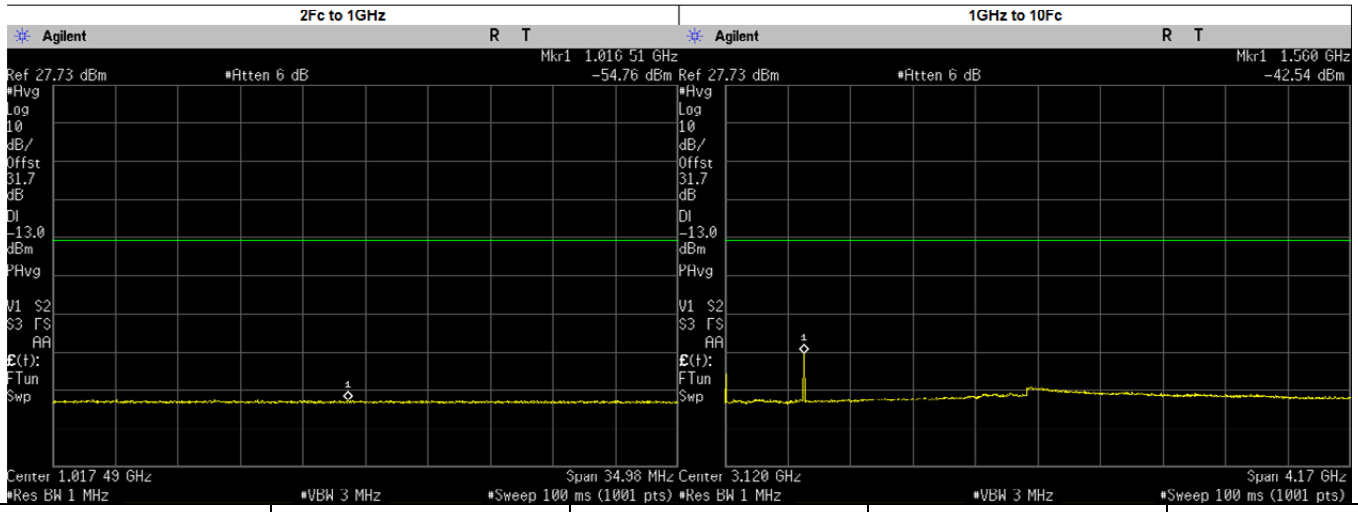
Analog: 511.9875. MHz, 25.kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.5209	-37.8900	-13.00	PASS
(Fc + Test BW) to <2Fc	744.7992	-37.8500	-13.00	PASS
2Fc to 1GHz	1016.8690	-54.3500	-13.00	PASS
1GHz to 10Fc	3076.0310	-51.0400	-13.00	PASS
	1023.9750	-54.6384	-13.00	PASS
	1535.9630	-54.7075	-13.00	PASS
	2047.9500	-54.1517	-13.00	PASS
	2559.9370	-53.7608	-13.00	PASS
	3071.9250	-51.3000	-13.00	PASS
	3583.9120	-52.3460	-13.00	PASS
	4095.9000	-53.1798	-13.00	PASS
	4607.8870	-53.1953	-13.00	PASS
	5119.8750	-53.6050	-13.00	PASS

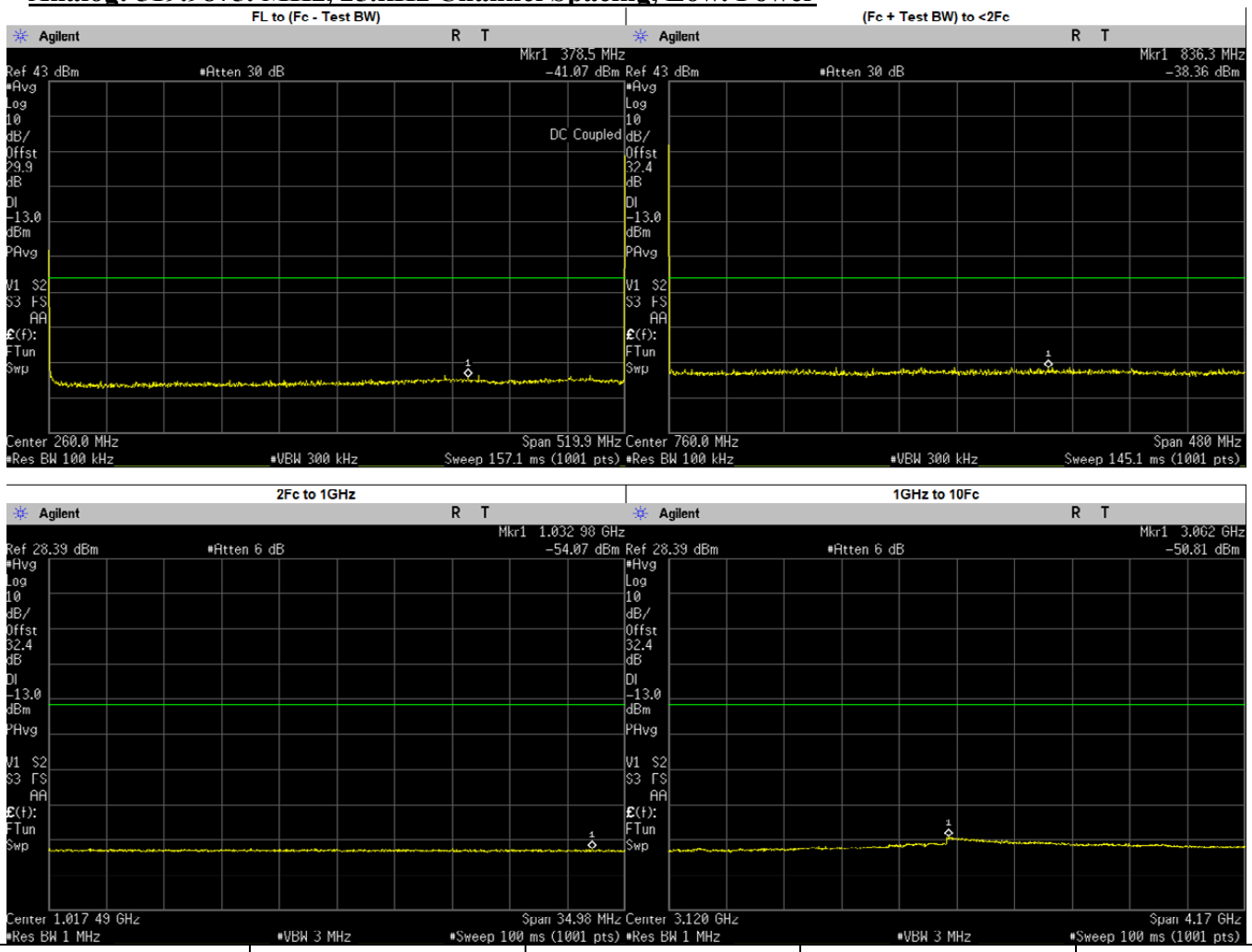
Analog: 519.9875. MHz, 25.kHz Channel Spacing, Max. Power





Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.5289	-38.2400	-13	PASS
	480.9000	-41.0240	-13	PASS
(Fc + Test BW) to <2Fc	960.6436	-39.1800	-13	PASS
2Fc to 1GHz	1016.5080	-54.7600	-13	PASS
1GHz to 10Fc	3074.0560	-51.5000	-13	PASS
	1039.9750	-49.4387	-13	PASS
	1559.9630	-43.8126	-13	PASS
	2079.9500	-54.5873	-13	PASS
	2599.9370	-54.0027	-13	PASS
	3119.9250	-51.7920	-13	PASS
	3639.9120	-53.1610	-13	PASS
	4159.9000	-53.4637	-13	PASS
	4679.8870	-53.6905	-13	PASS
	5199.8750	-54.0806	-13	PASS

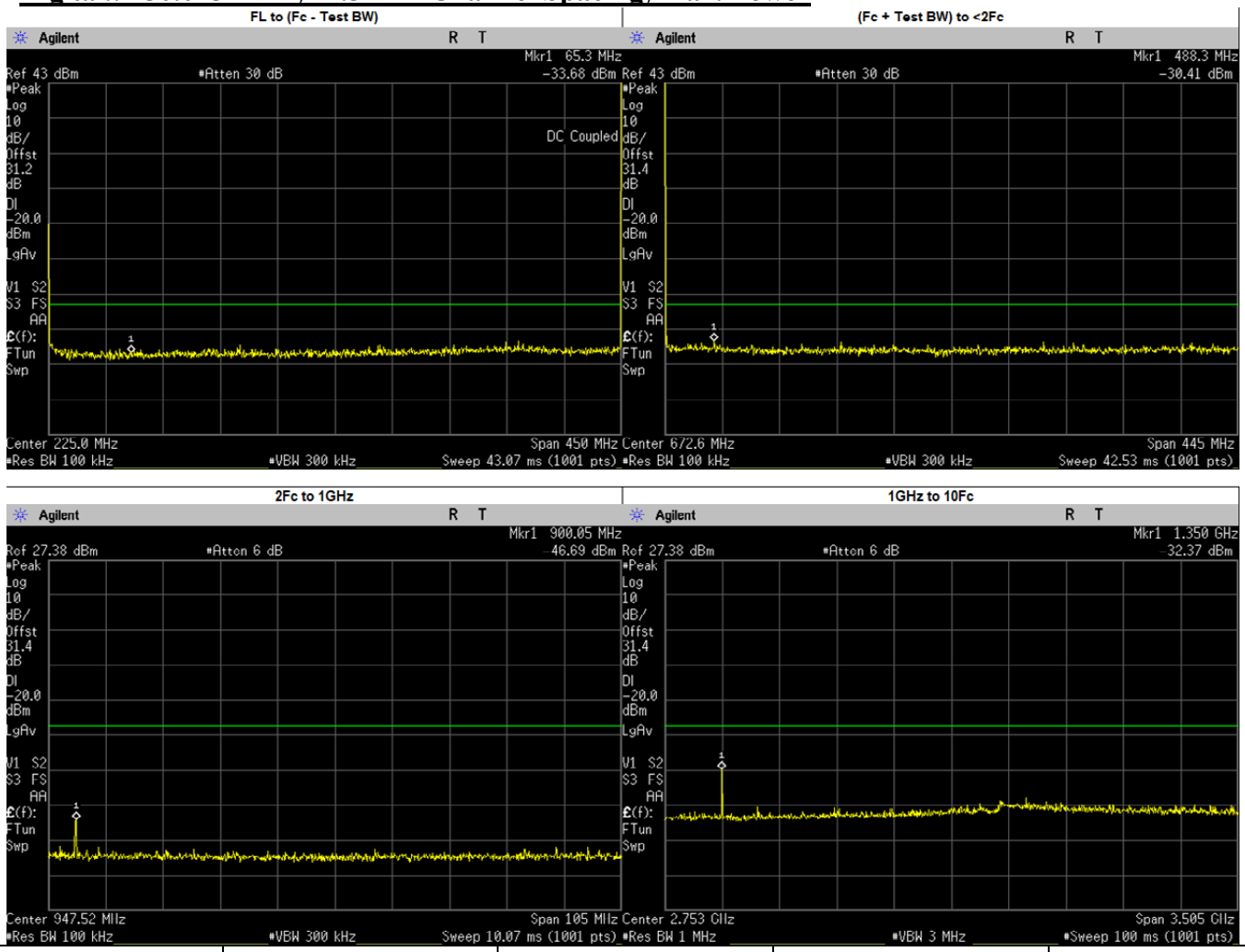
Analog: 519.9875. MHz, 25.kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	0.5289	-37.4000	-13	PASS
	378.5000	-41.0720	-13	PASS
(Fc + Test BW) to <2Fc	836.3351	-38.3600	-13	PASS
2Fc to 1GHz	1032.9810	-54.0700	-13	PASS
1GHz to 10Fc	3061.5460	-50.8100	-13	PASS
	1039.9750	-54.7510	-13	PASS
	1559.9630	-54.2654	-13	PASS
	2079.9500	-53.8725	-13	PASS
	2599.9370	-53.7079	-13	PASS
	3119.9250	-51.2960	-13	PASS
	3639.9120	-52.3285	-13	PASS
	4159.9000	-52.8550	-13	PASS
	4679.8870	-53.2091	-13	PASS
	5199.8750	-53.3652	-13	PASS

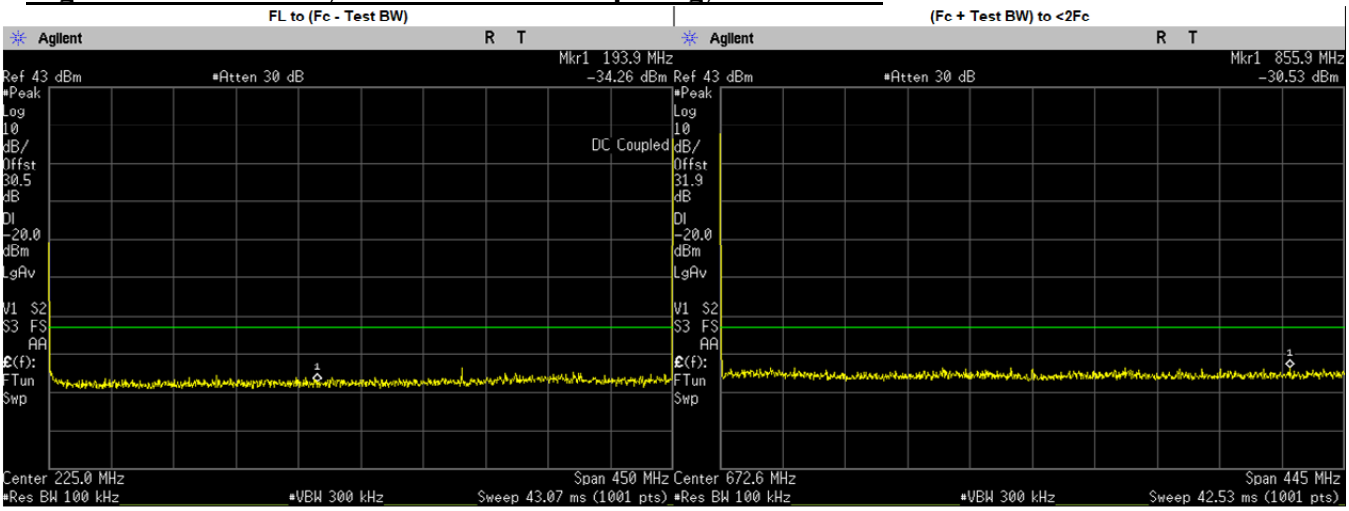
6.10.3. Test Result (Digital)

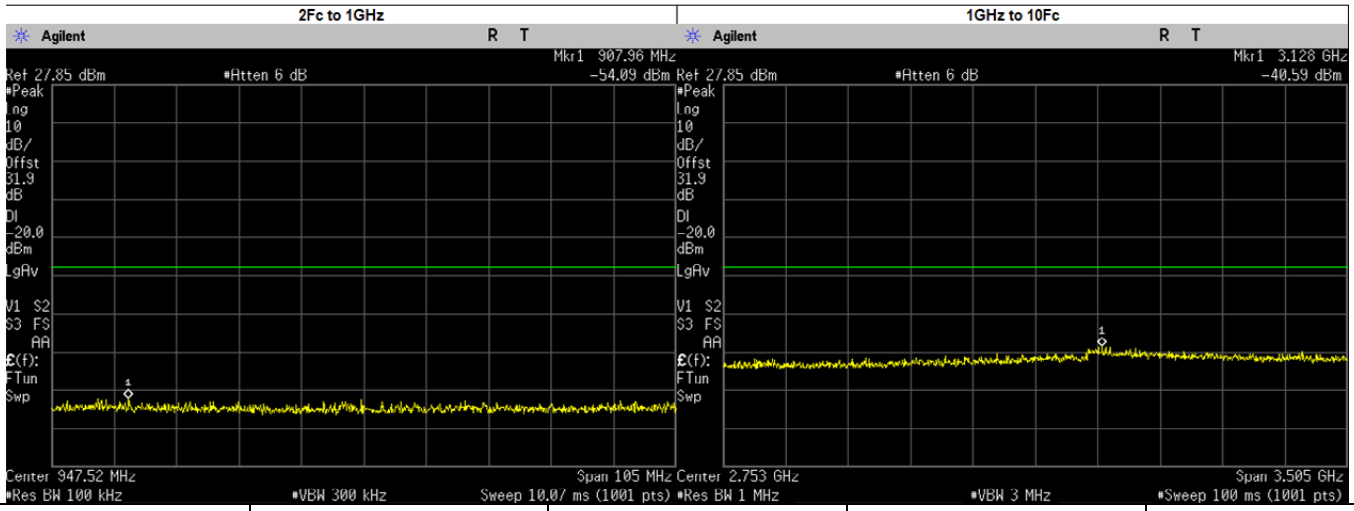
Digital.: 450.025 MHz, 12.5 kHz Channel Spacing, Max. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	65.3000	-33.6820	-20.00	PASS
(Fc + Test BW) to <2Fc	488.3491	-30.4100	-20.00	PASS
2Fc to 1GHz	899.9827	-47.0500	-20.00	PASS
	900.0500	-46.8191	-20.00	PASS
1GHz to 10Fc	3211.8130	-40.6300	-20.00	PASS
	1800.1000	-46.2656	-20.00	PASS
	2250.1250	-45.4581	-20.00	PASS
	2700.1500	-44.8846	-20.00	PASS
	3150.1750	-42.5396	-20.00	PASS
	3600.2000	-43.3226	-20.00	PASS
	4050.2250	-45.1871	-20.00	PASS
	4500.2500	-45.0089	-20.00	PASS
	1350.0750	-34.0352	-20.00	PASS

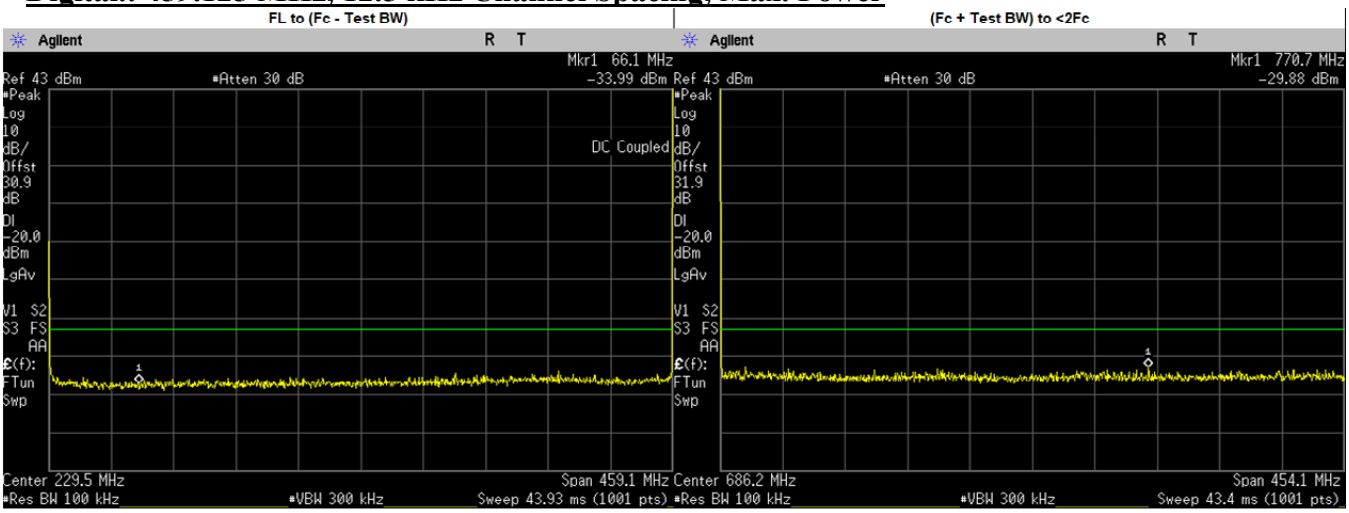
Digital.: 450.025 MHz, 12.5 kHz Channel Spacing, Low. Power

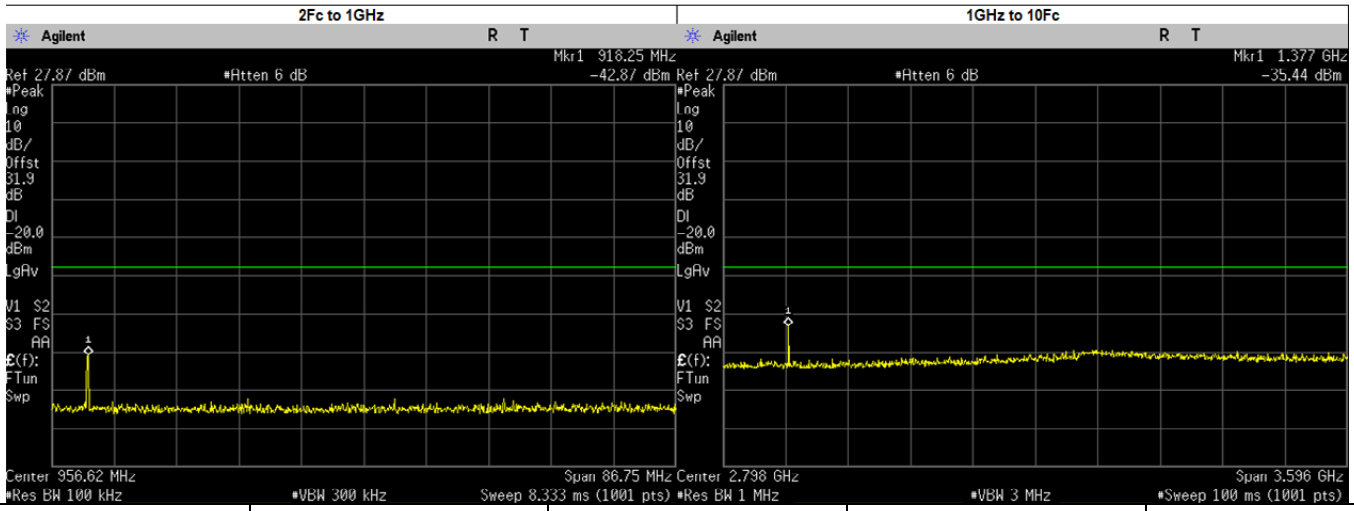




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	193.9000	-34.2560	-20.00	PASS
(Fc + Test BW) to <2Fc	855.8928	-30.5300	-20.00	PASS
2Fc to 1GHz	907.9588	-54.0900	-20.00	PASS
	900.0500	-56.0534	-20.00	PASS
1GHz to 10Fc	3127.6870	-40.5900	-20.00	PASS
	1350.0750	-45.7319	-20.00	PASS
	1800.1000	-44.0942	-20.00	PASS
	2250.1250	-44.1964	-20.00	PASS
	2700.1500	-44.1311	-20.00	PASS
	3150.1750	-41.3709	-20.00	PASS
	3600.2000	-43.2092	-20.00	PASS
	4050.2250	-43.7162	-20.00	PASS
	4500.2500	-43.9635	-20.00	PASS

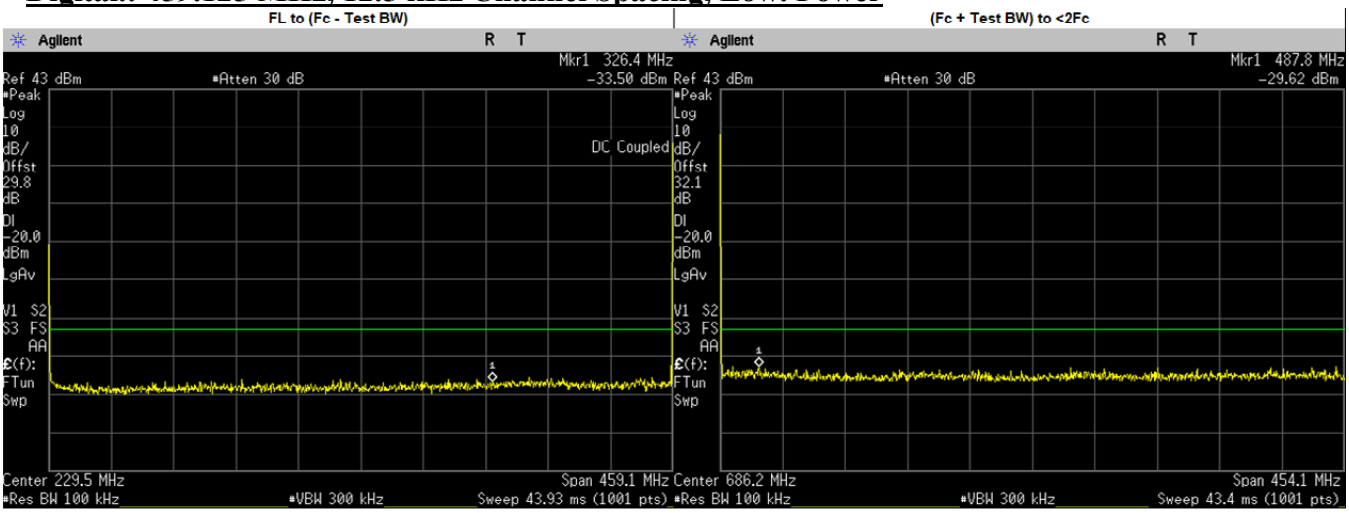
Digital.: 459.125 MHz, 12.5 kHz Channel Spacing, Max. Power

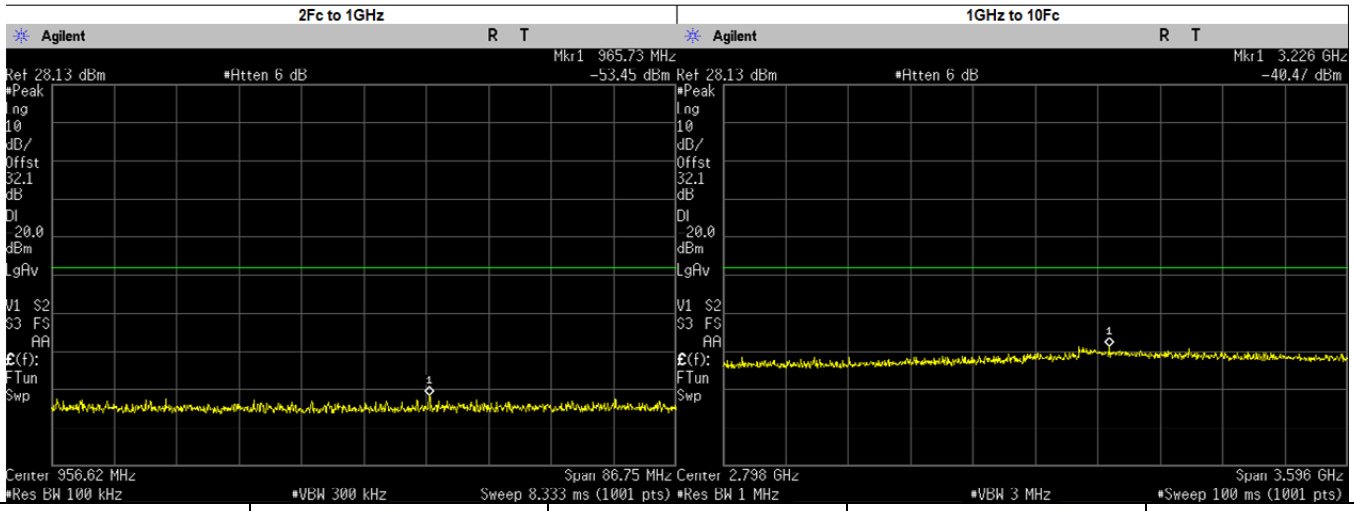




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	66.1000	-33.9950	-20.00	PASS
(Fc + Test BW) to <2Fc	770.6726	-29.8800	-20.00	PASS
2Fc to 1GHz	918.1947	-43.1000	-20.00	PASS
	918.2500	-42.9502	-20.00	PASS
1GHz to 10Fc	3182.9240	-41.5100	-20.00	PASS
	1836.5000	-45.6691	-20.00	PASS
	2295.6250	-44.5082	-20.00	PASS
	2754.7500	-44.3726	-20.00	PASS
	3213.8750	-42.4795	-20.00	PASS
	3673.0000	-43.1925	-20.00	PASS
	4132.1250	-44.1121	-20.00	PASS
	4591.2500	-43.9851	-20.00	PASS
	1377.3750	-36.0932	-20.00	PASS

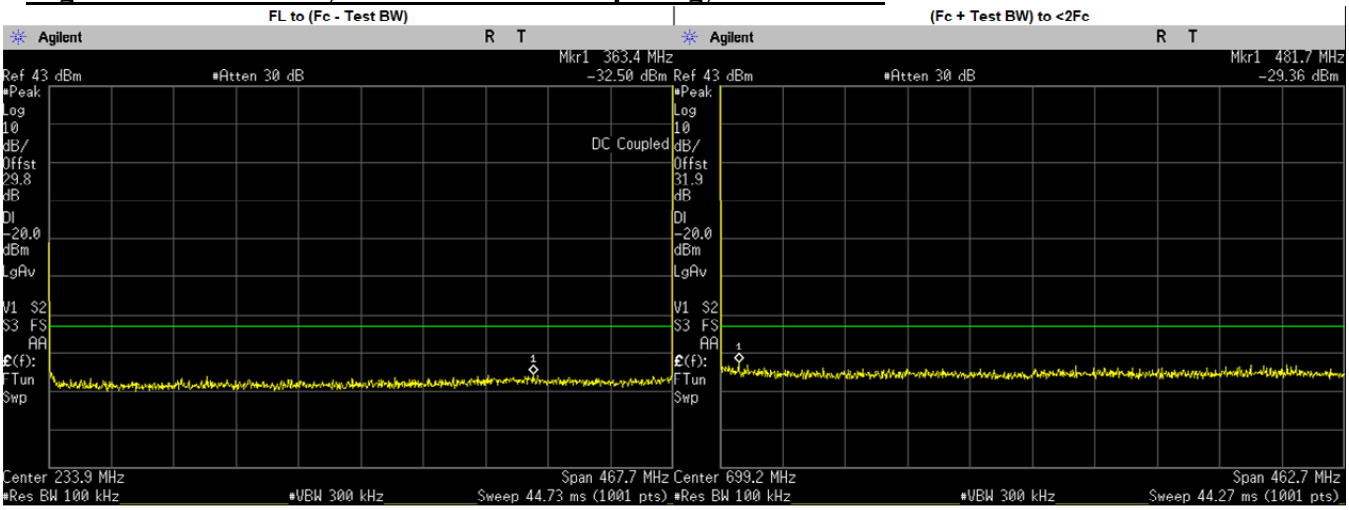
Digital.: 459.125 MHz, 12.5 kHz Channel Spacing, Low. Power

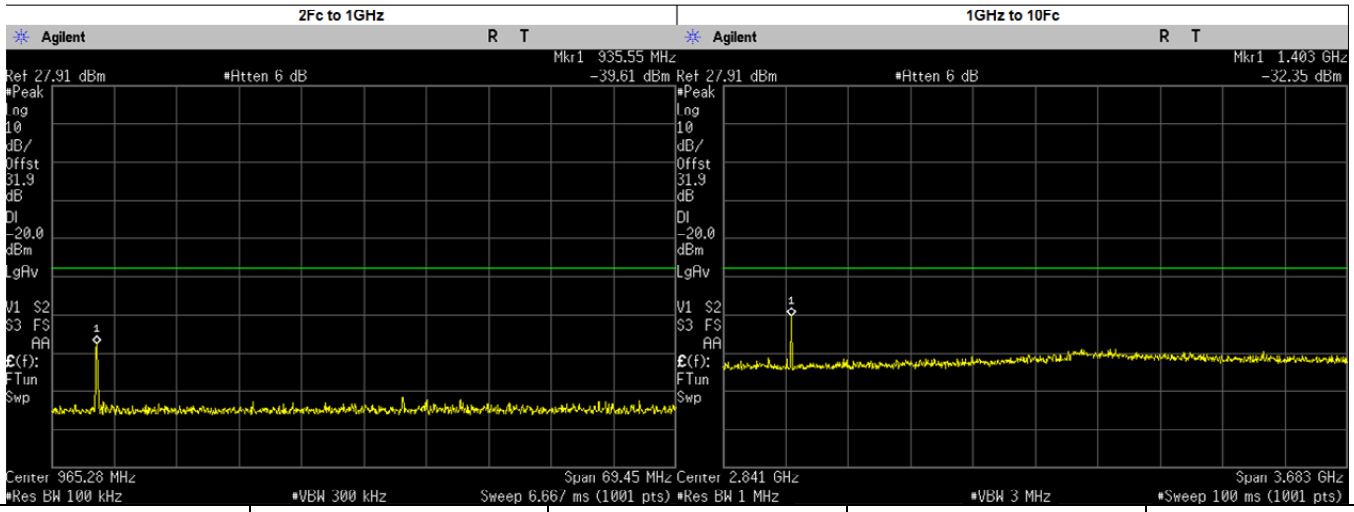




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	326.4000	-33.5030	-20.00	PASS
(Fc + Test BW) to <2Fc	487.7881	-29.6200	-20.00	PASS
2Fc to 1GHz	965.7337	-53.4500	-20.00	PASS
	918.2500	-56.4609	-20.00	PASS
1GHz to 10Fc	3226.0790	-40.4700	-20.00	PASS
	1377.3750	-44.9932	-20.00	PASS
	1836.5000	-45.1269	-20.00	PASS
	2295.6250	-43.7593	-20.00	PASS
	2754.7500	-43.4977	-20.00	PASS
	3213.8750	-42.0371	-20.00	PASS
	3673.0000	-42.8396	-20.00	PASS
	4132.1250	-44.0131	-20.00	PASS
	4591.2500	-43.6790	-20.00	PASS

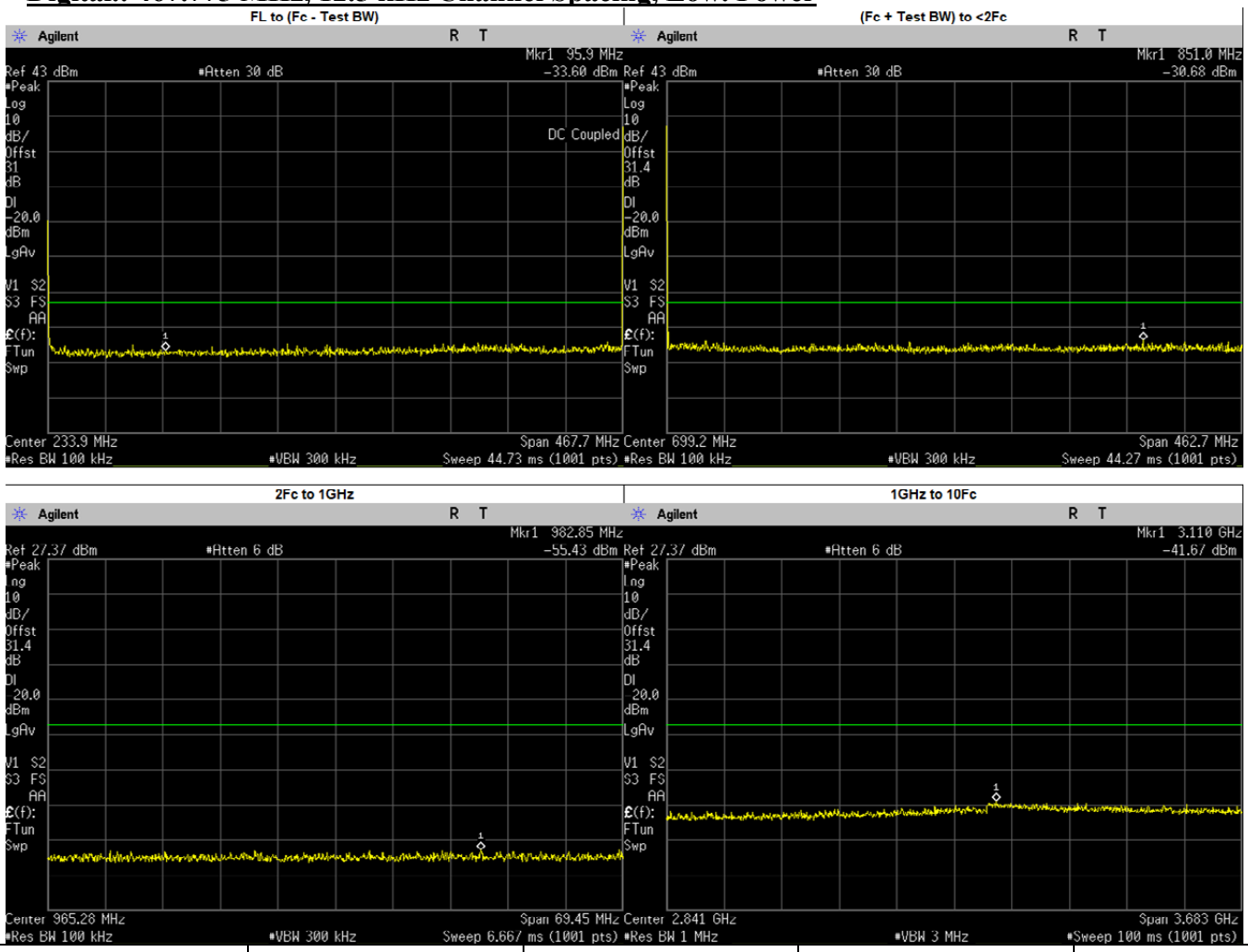
Digital.: 467.775 MHz, 12.5 kHz Channel Spacing, Max. Power





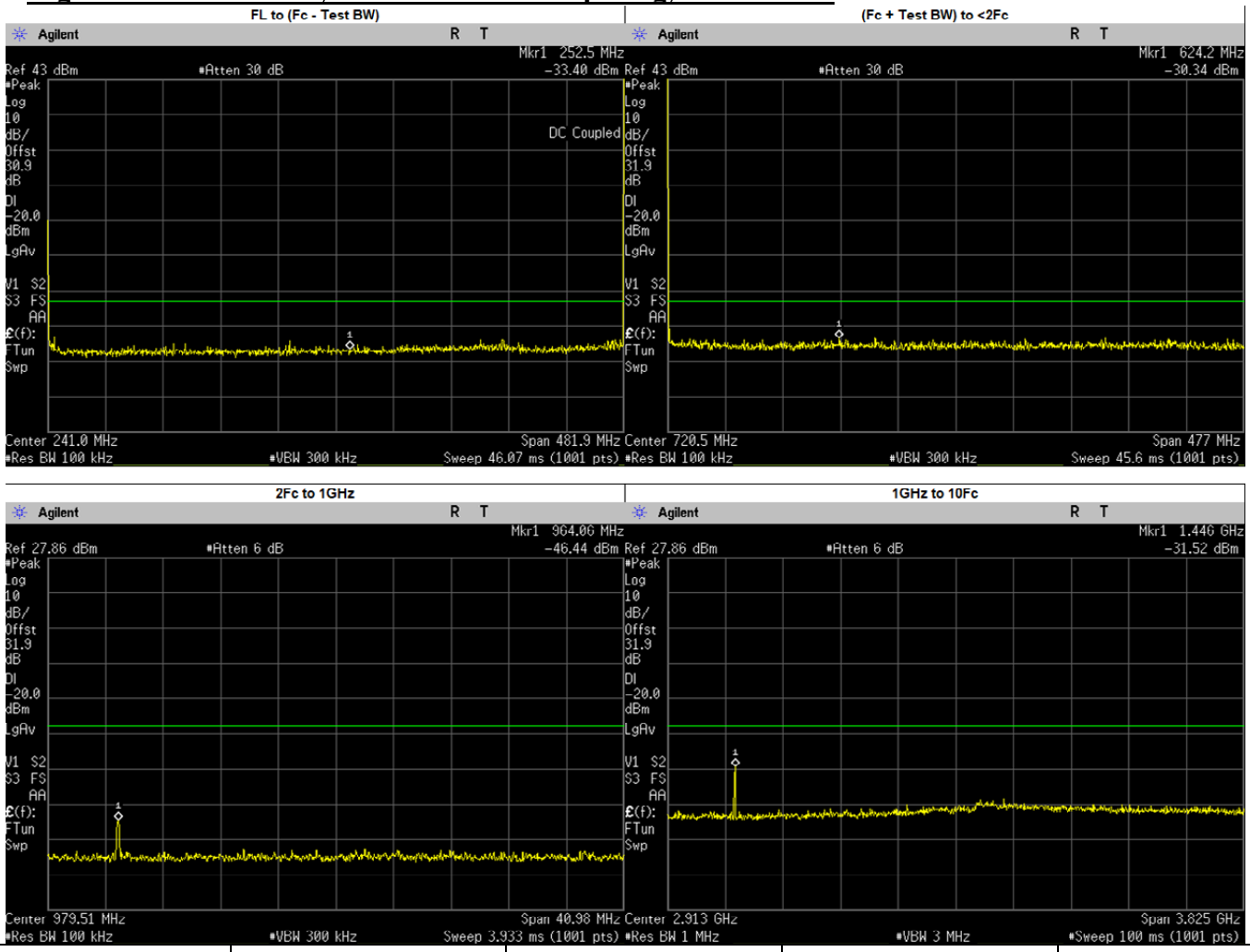
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	363.4000	-32.5030	-20.00	PASS
(Fc + Test BW) to <2Fc	481.7133	-29.3600	-20.00	PASS
2Fc to 1GHz	935.6199	-40.1700	-20.00	PASS
	935.5500	-39.6192	-20.00	PASS
1GHz to 10Fc	1871.1000	-44.3448	-20.00	PASS
	2338.8750	-44.9108	-20.00	PASS
	2806.6500	-42.8199	-20.00	PASS
	3274.4250	-41.9454	-20.00	PASS
	3742.2000	-43.6223	-20.00	PASS
	4209.9750	-43.6607	-20.00	PASS
	4677.7500	-44.0887	-20.00	PASS
	1401.4200	-32.3700	-20.00	PASS
	1403.3250	-32.3567	-20.00	PASS

Digital.: 467.775 MHz, 12.5 kHz Channel Spacing, Low. Power



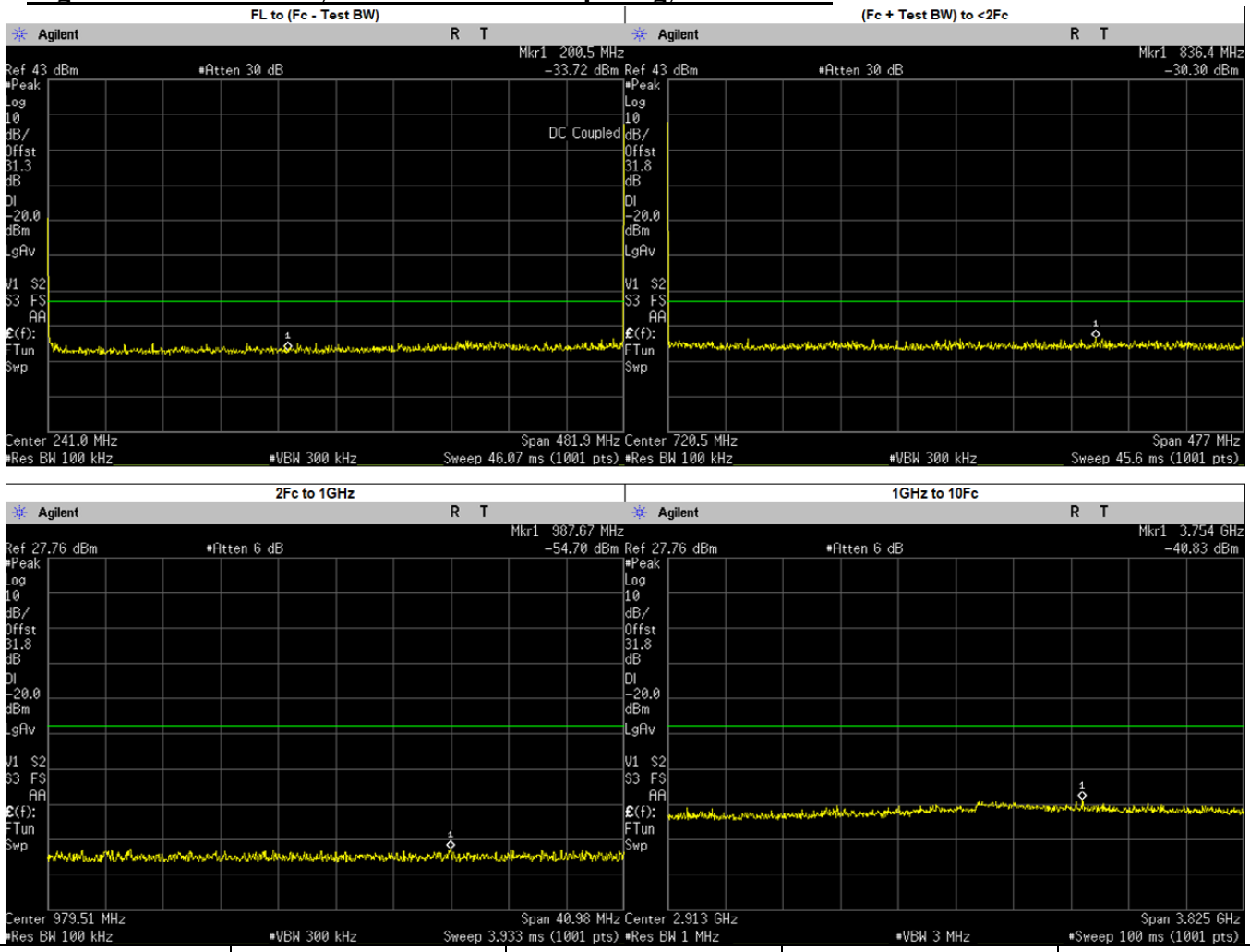
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	95.9000	-33.6050	-20.00	PASS
(Fc + Test BW) to <2Fc	850.9625	-30.6800	-20.00	PASS
2Fc to 1GHz	982.8459	-55.4300	-20.00	PASS
	935.5500	-57.5972	-20.00	PASS
1GHz to 10Fc	3110.2160	-41.6700	-20.00	PASS
	1403.3250	-45.9306	-20.00	PASS
	1871.1000	-45.9736	-20.00	PASS
	2338.8750	-45.6115	-20.00	PASS
	2806.6500	-44.4457	-20.00	PASS
	3274.4250	-43.6294	-20.00	PASS
	3742.2000	-43.9167	-20.00	PASS
	4209.9750	-43.8760	-20.00	PASS
	4677.7500	-44.8618	-20.00	PASS

Digital.: 482.0125 MHz, 12.5 kHz Channel Spacing, Max. Power



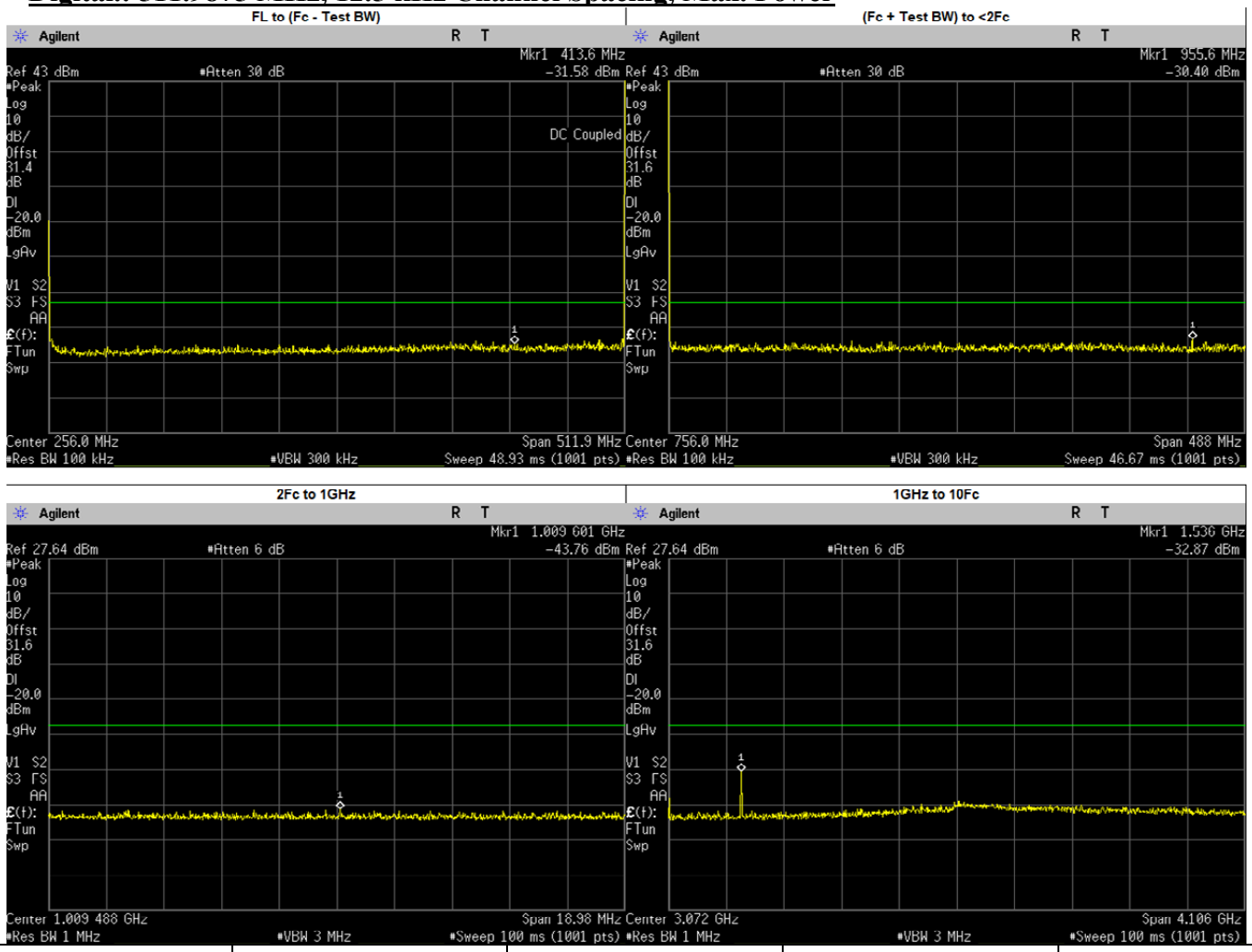
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	252.5000	-33.3950	-20.00	PASS
(Fc + Test BW) to <2Fc	624.2021	-30.3400	-20.00	PASS
2Fc to 1GHz	964.0649	-46.4400	-20.00	PASS
	964.0250	-46.4771	-20.00	PASS
1GHz to 10Fc	1928.0500	-44.6692	-20.00	PASS
	2410.0620	-44.6764	-20.00	PASS
	2892.0750	-44.1804	-20.00	PASS
	3374.0880	-43.3388	-20.00	PASS
	3856.1000	-43.6563	-20.00	PASS
	4338.1130	-43.0545	-20.00	PASS
	4820.1250	-44.9601	-20.00	PASS
	1443.7150	-33.9600	-20.00	PASS
	1446.0370	-32.4773	-20.00	PASS

Digital.: 482.0125 MHz, 12.5 kHz Channel Spacing, Low. Power



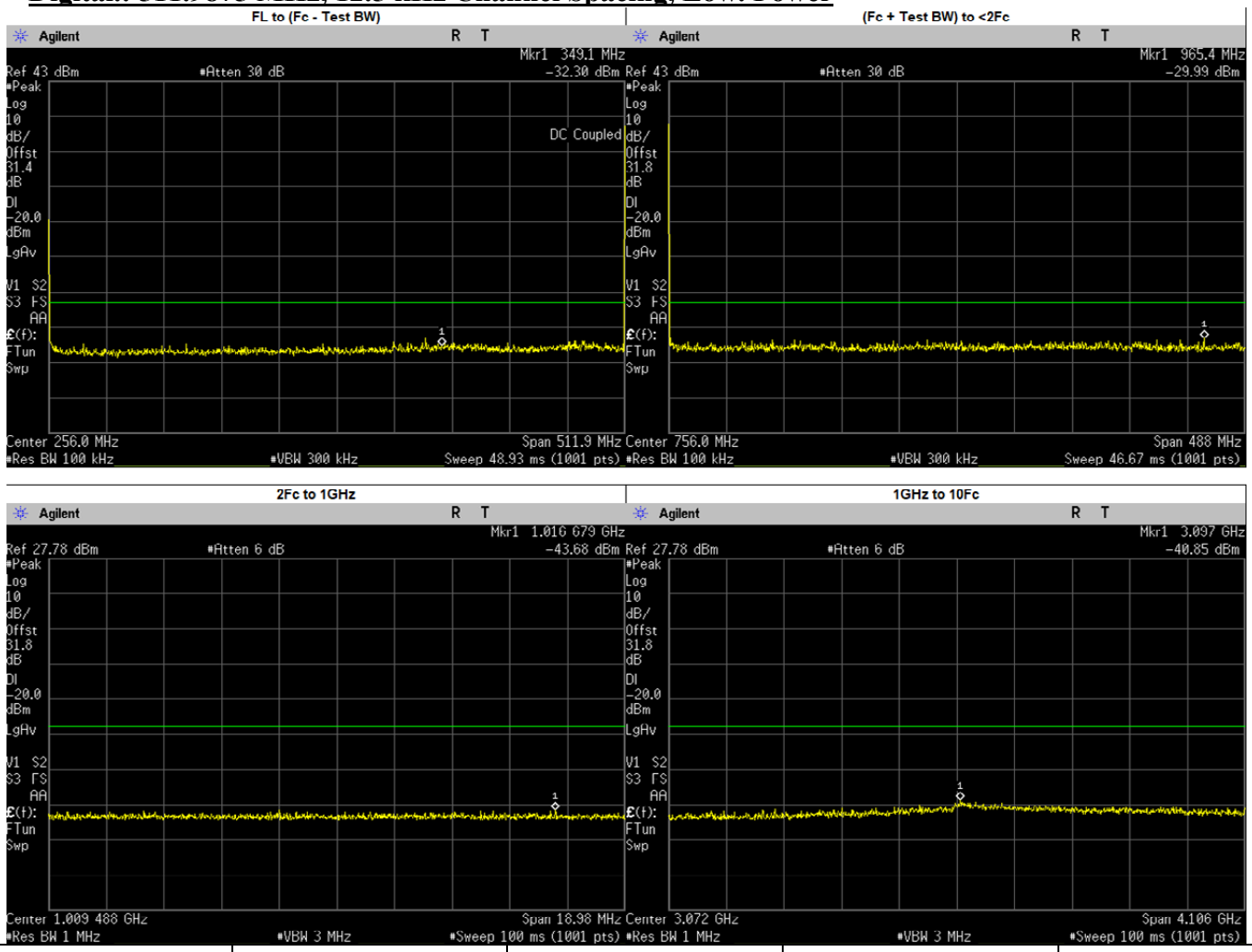
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	200.5000	-33.7190	-20.00	PASS
(Fc + Test BW) to <2Fc	836.4474	-30.3000	-20.00	PASS
2Fc to 1GHz	964.8844	-55.0500	-20.00	PASS
	964.0250	-56.7173	-20.00	PASS
1GHz to 10Fc	3754.0900	-40.8300	-20.00	PASS
	1446.0370	-46.3199	-20.00	PASS
	1928.0500	-45.8379	-20.00	PASS
	2410.0620	-44.8370	-20.00	PASS
	2892.0750	-44.3239	-20.00	PASS
	3374.0880	-43.4584	-20.00	PASS
	3856.1000	-42.8629	-20.00	PASS
	4338.1130	-44.1817	-20.00	PASS
	4820.1250	-44.4676	-20.00	PASS

Digital.: 511.9875 MHz, 12.5 kHz Channel Spacing, Max. Power



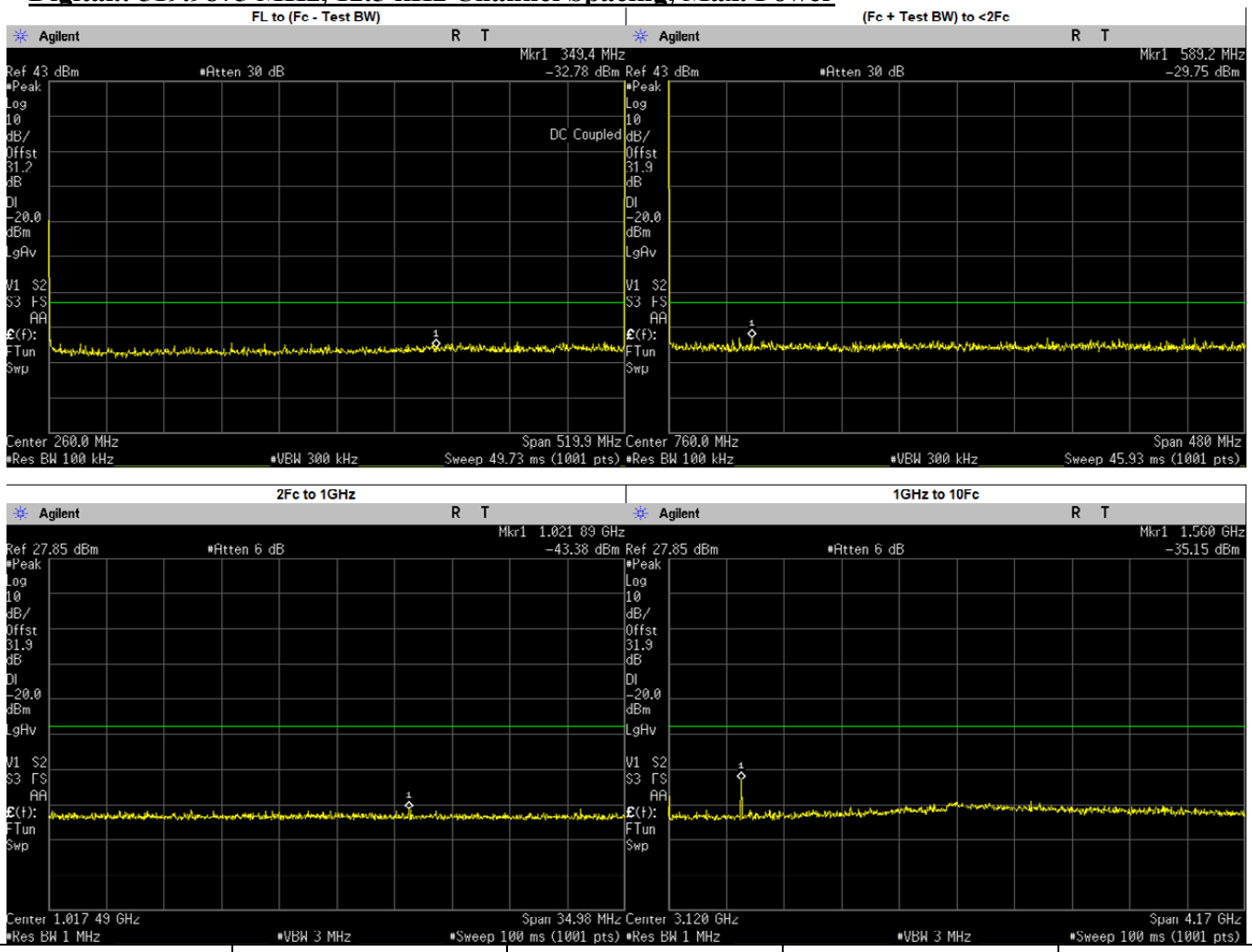
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	413.6000	-31.5780	-20.00	PASS
(Fc + Test BW) to <2Fc	955.5960	-30.4000	-20.00	PASS
2Fc to 1GHz	1009.6010	-43.7600	-20.00	PASS
1GHz to 10Fc	3092.4540	-41.1800	-20.00	PASS
	1023.9750	-41.4962	-20.00	PASS
	2047.9500	-44.8745	-20.00	PASS
	2559.9370	-44.7451	-20.00	PASS
	3071.9250	-42.9370	-20.00	PASS
	3583.9120	-43.3853	-20.00	PASS
	4095.9000	-44.0898	-20.00	PASS
	4607.8870	-43.8481	-20.00	PASS
	5119.8750	-44.5851	-20.00	PASS
	1535.9630	-33.9942	-20.00	PASS

Digital.: 511.9875 MHz, 12.5 kHz Channel Spacing, Low. Power



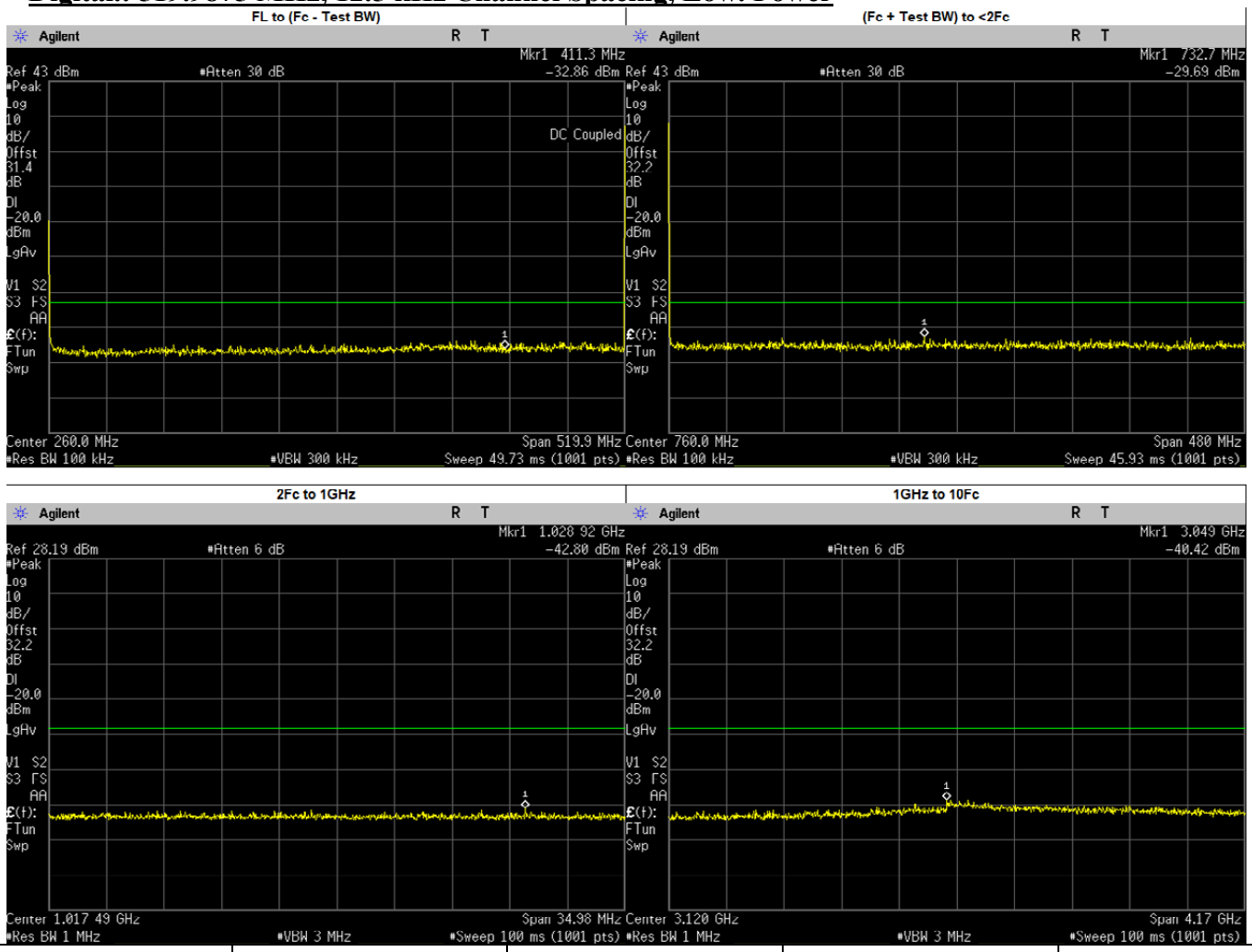
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	349.1000	-32.3020	-20.00	PASS
(Fc + Test BW) to <2Fc	965.3551	-29.9900	-20.00	PASS
2Fc to 1GHz	1016.6790	-43.6800	-20.00	PASS
1GHz to 10Fc	3096.5600	-40.8500	-20.00	PASS
	1023.9750	-45.2231	-20.00	PASS
	1535.9630	-45.5900	-20.00	PASS
	2047.9500	-44.8878	-20.00	PASS
	2559.9370	-44.8126	-20.00	PASS
	3071.9250	-42.4510	-20.00	PASS
	3583.9120	-42.6835	-20.00	PASS
	4095.9000	-44.3183	-20.00	PASS
	4607.8870	-43.6179	-20.00	PASS
	5119.8750	-44.0259	-20.00	PASS

Digital.: 519.9875 MHz, 12.5 kHz Channel Spacing, Max. Power



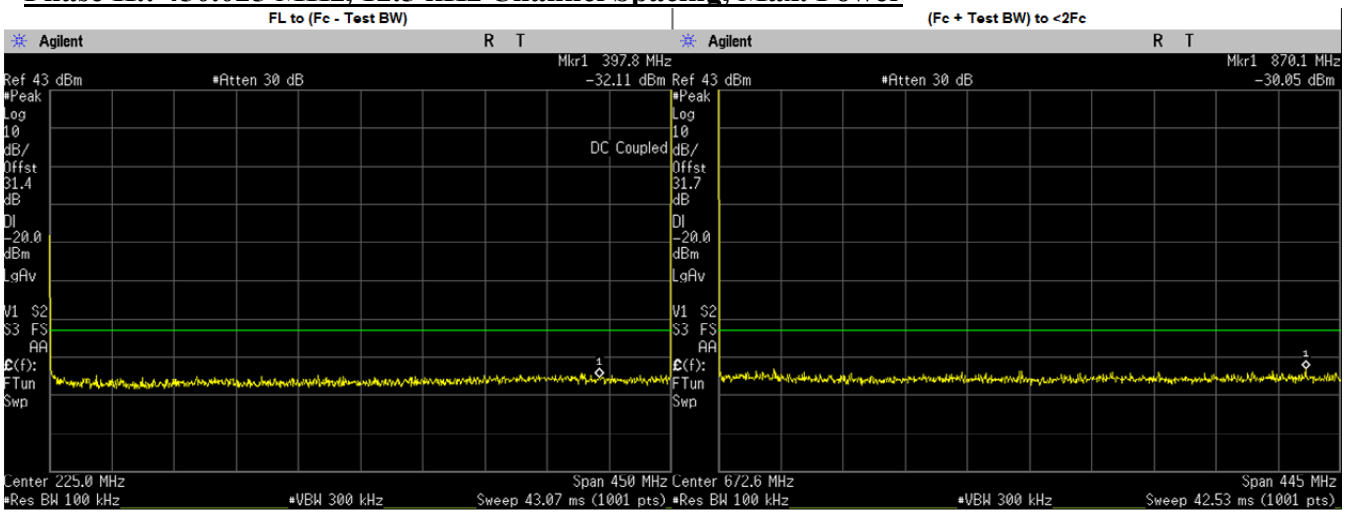
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	349.4000	-32.7800	-20	PASS
(Fc + Test BW) to <2Fc	589.1579	-29.7500	-20	PASS
2Fc to 1GHz	1021.8940	-43.3800	-20	PASS
1GHz to 10Fc	3657.8420	-41.0900	-20	PASS
	1039.9750	-41.0879	-20	PASS
	2079.9500	-44.3697	-20	PASS
	2599.9370	-44.4488	-20	PASS
	3119.9250	-41.8550	-20	PASS
	3639.9120	-43.6561	-20	PASS
	4159.9000	-43.9145	-20	PASS
	4679.8870	-44.7958	-20	PASS
	5199.8750	-44.9062	-20	PASS
	1559.9630	-36.2684	-20	PASS

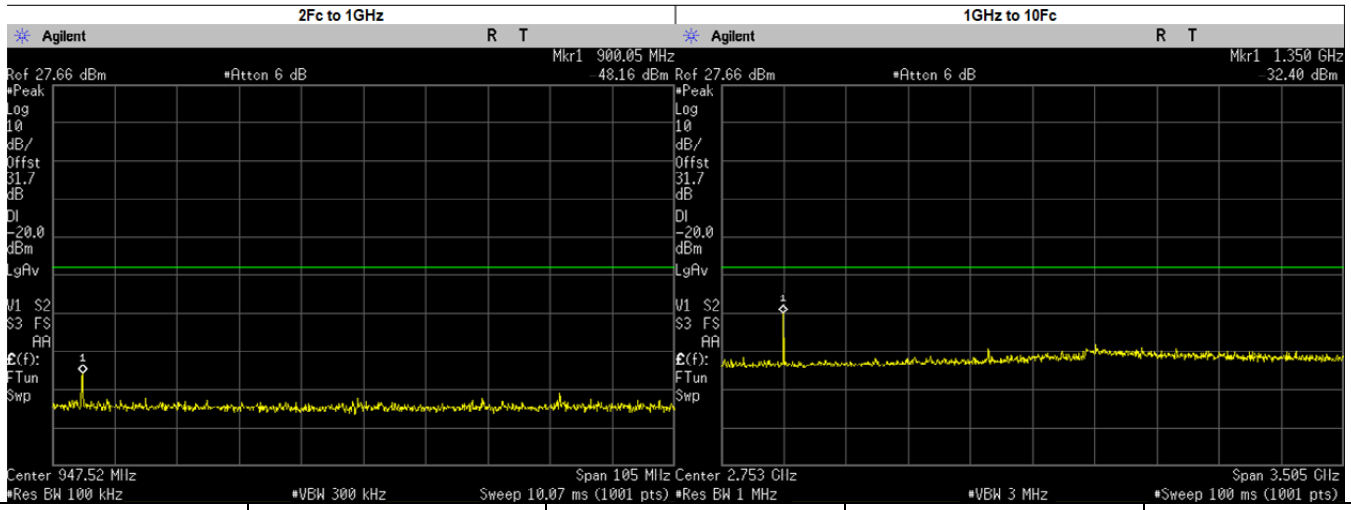
Digital.: 519.9875 MHz, 12.5 kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	411.3000	-32.8580	-20	PASS
(Fc + Test BW) to <2Fc	732.6647	-29.6900	-20	PASS
2Fc to 1GHz	1028.9240	-42.8000	-20	PASS
1GHz to 10Fc	3049.0370	-40.4200	-20	PASS
	1039.9750	-45.4313	-20	PASS
	1559.9630	-44.8517	-20	PASS
	2079.9500	-44.7583	-20	PASS
	2599.9370	-44.6690	-20	PASS
	3119.9250	-42.1220	-20	PASS
	3639.9120	-42.9364	-20	PASS
	4159.9000	-43.2407	-20	PASS
	4679.8870	-43.6058	-20	PASS
	5199.8750	-44.5290	-20	PASS

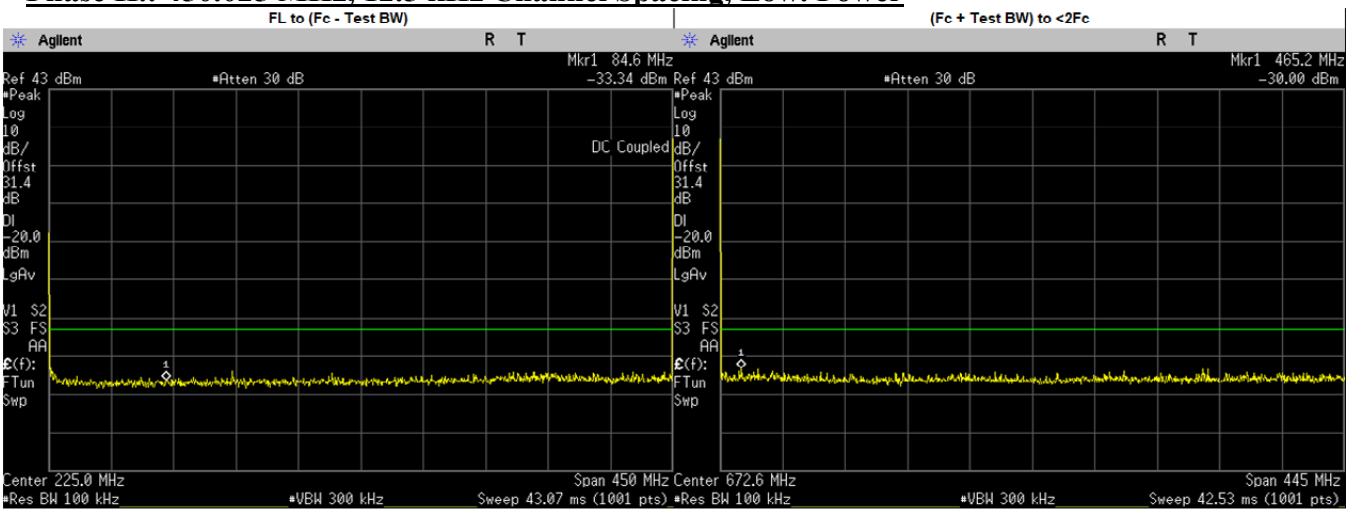
Phase II.: 450.025 MHz, 12.5 kHz Channel Spacing, Max. Power

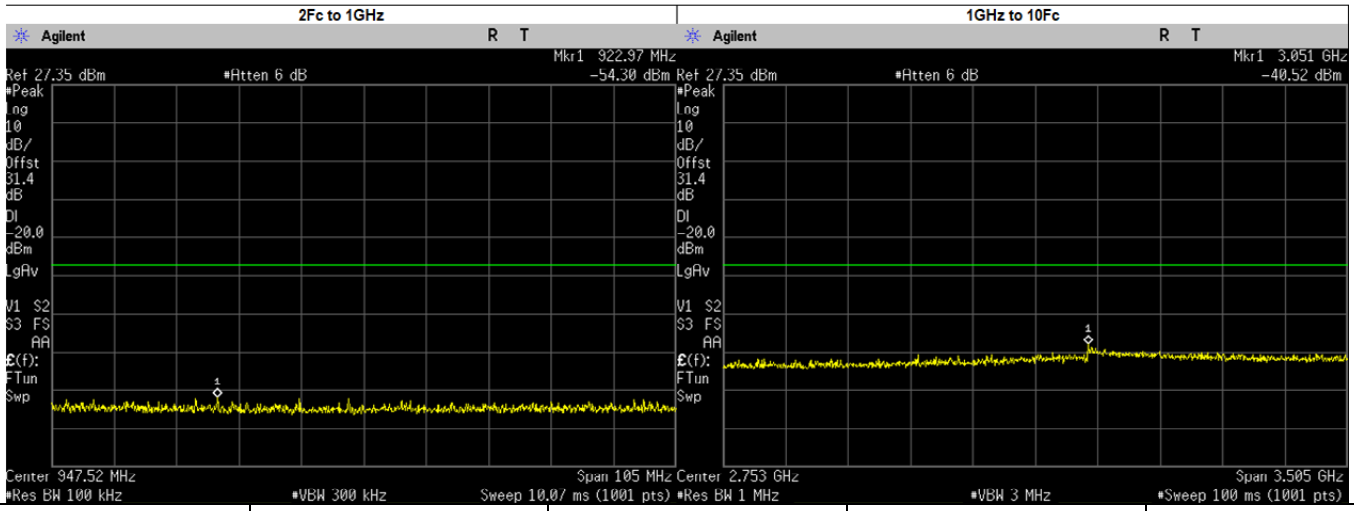




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	397.8000	-32.1120	-20.00	PASS
(Fc + Test BW) to <2Fc	870.1318	-30.0500	-20.00	PASS
2Fc to 1GHz	899.9827	-48.7400	-20.00	PASS
	900.0500	-48.3652	-20.00	PASS
1GHz to 10Fc	3110.1600	-40.5100	-20.00	PASS
	1800.1000	-45.4050	-20.00	PASS
	2250.1250	-44.8218	-20.00	PASS
	2700.1500	-44.9561	-20.00	PASS
	3150.1750	-42.2358	-20.00	PASS
	3600.2000	-43.4066	-20.00	PASS
	4050.2250	-44.2728	-20.00	PASS
	4500.2500	-43.8994	-20.00	PASS
	1350.0750	-34.0827	-20.00	PASS

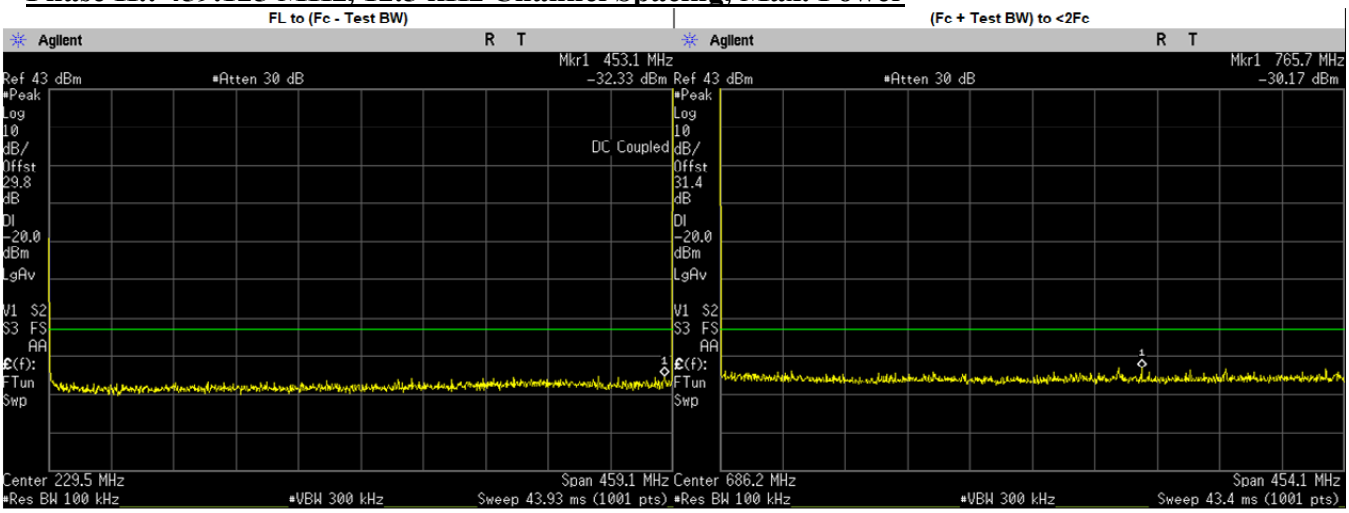
Phase II.: 450.025 MHz, 12.5 kHz Channel Spacing, Low. Power

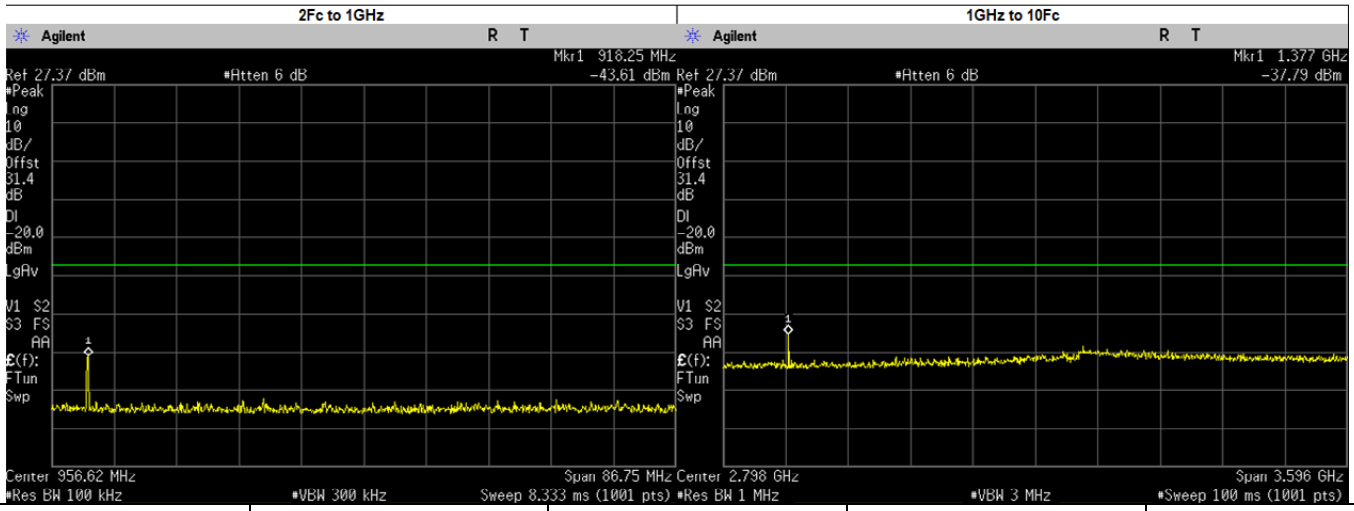




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	84.6000	-33.3420	-20.00	PASS
(Fc + Test BW) to <2Fc	465.2107	-30.0000	-20.00	PASS
2Fc to 1GHz	922.9667	-54.3000	-20.00	PASS
	900.0500	-56.0161	-20.00	PASS
1GHz to 10Fc	3050.5710	-40.5200	-20.00	PASS
	1350.0750	-46.1290	-20.00	PASS
	1800.1000	-45.9198	-20.00	PASS
	2250.1250	-45.4023	-20.00	PASS
	2700.1500	-44.5063	-20.00	PASS
	3150.1750	-43.0531	-20.00	PASS
	3600.2000	-44.2258	-20.00	PASS
	4050.2250	-45.1034	-20.00	PASS
	4500.2500	-44.6538	-20.00	PASS

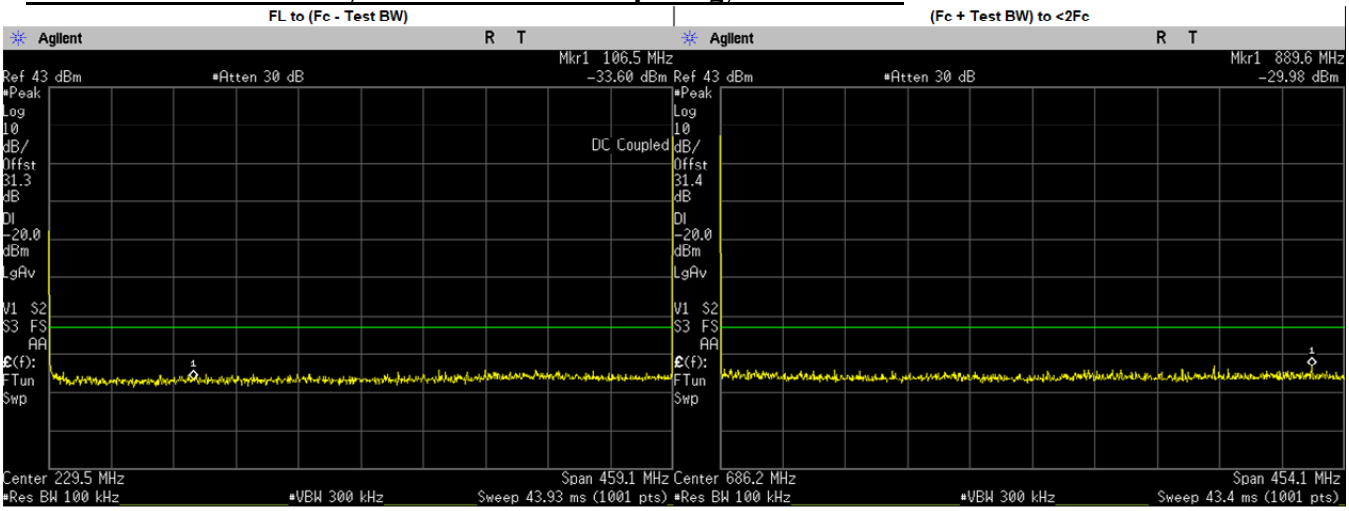
Phase II.: 459.125 MHz, 12.5 kHz Channel Spacing, Max. Power

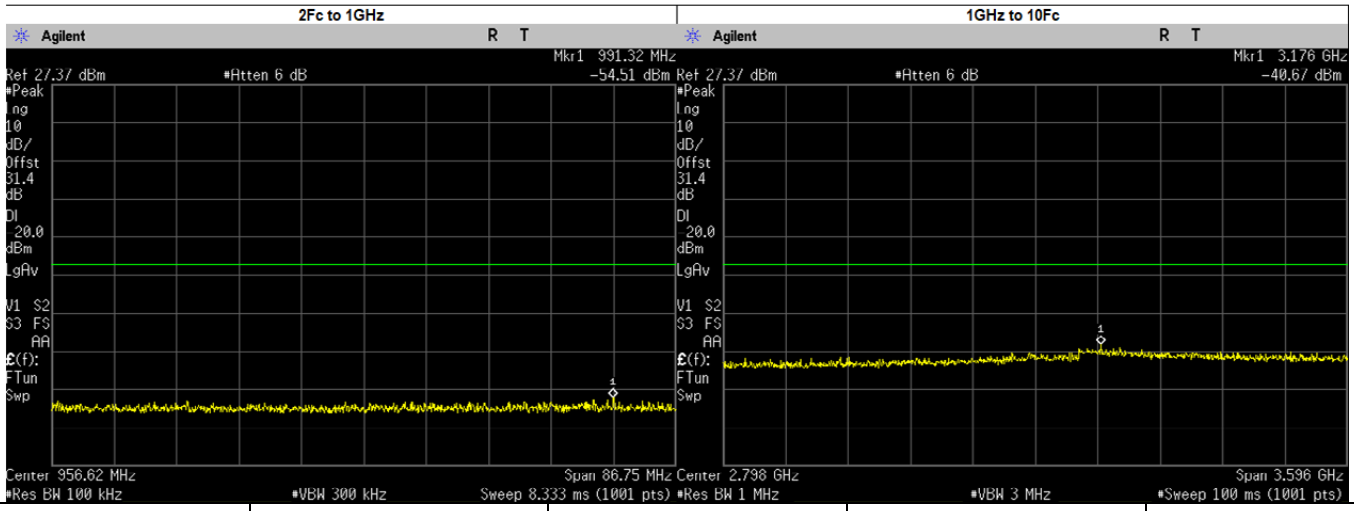




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	453.1000	-32.3260	-20.00	PASS
(Fc + Test BW) to <2Fc	765.6778	-30.1700	-20.00	PASS
2Fc to 1GHz	918.1947	-43.9100	-20.00	PASS
	918.2500	-43.7190	-20.00	PASS
1GHz to 10Fc	3075.0360	-41.0000	-20.00	PASS
	1836.5000	-45.5593	-20.00	PASS
	2295.6250	-45.3852	-20.00	PASS
	2754.7500	-44.2347	-20.00	PASS
	3213.8750	-42.5735	-20.00	PASS
	3673.0000	-43.2891	-20.00	PASS
	4132.1250	-44.6681	-20.00	PASS
	4591.2500	-44.6104	-20.00	PASS
	1377.3750	-38.3107	-20.00	PASS

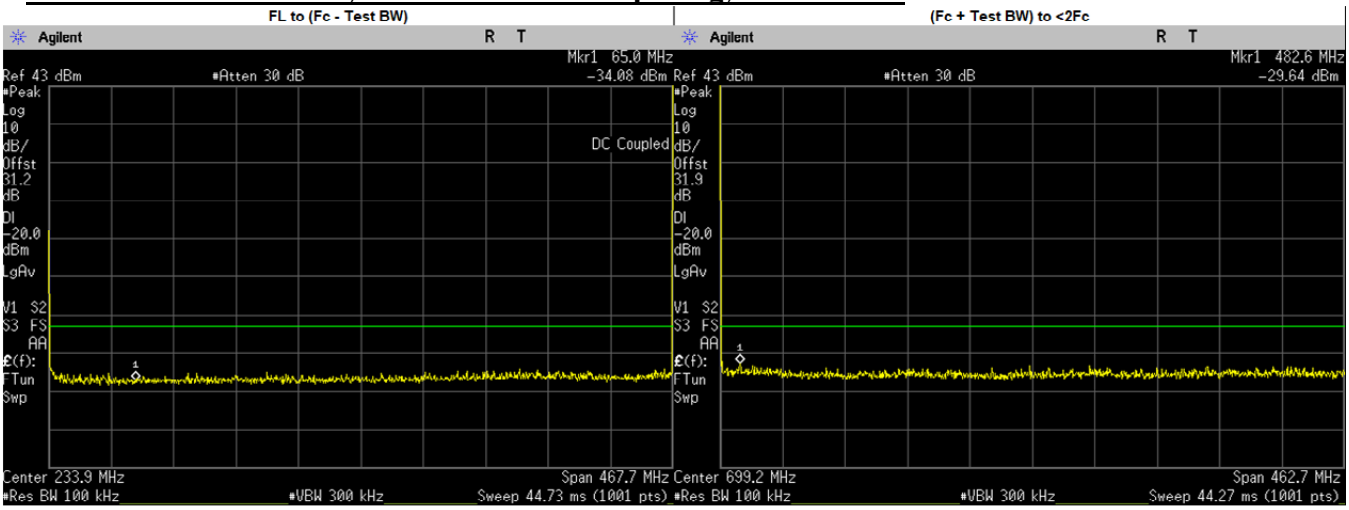
Phase II.: 459.125 MHz, 12.5 kHz Channel Spacing, Low. Power

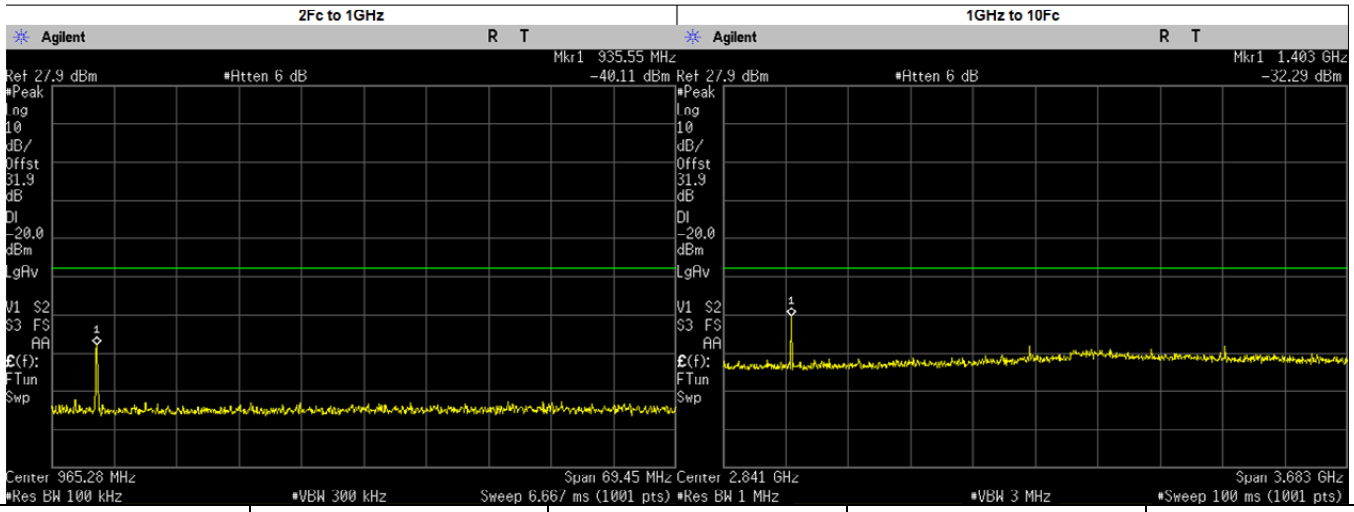




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	106.5000	-33.5960	-20.00	PASS
(Fc + Test BW) to <2Fc	889.6385	-29.9800	-20.00	PASS
2Fc to 1GHz	991.3250	-54.5100	-20.00	PASS
	918.2500	-57.2331	-20.00	PASS
1GHz to 10Fc	3175.7310	-40.6700	-20.00	PASS
	1377.3750	-45.5884	-20.00	PASS
	1836.5000	-45.2561	-20.00	PASS
	2295.6250	-45.5253	-20.00	PASS
	2754.7500	-44.5189	-20.00	PASS
	3213.8750	-43.3741	-20.00	PASS
	3673.0000	-43.6426	-20.00	PASS
	4132.1250	-44.3456	-20.00	PASS
	4591.2500	-44.5501	-20.00	PASS

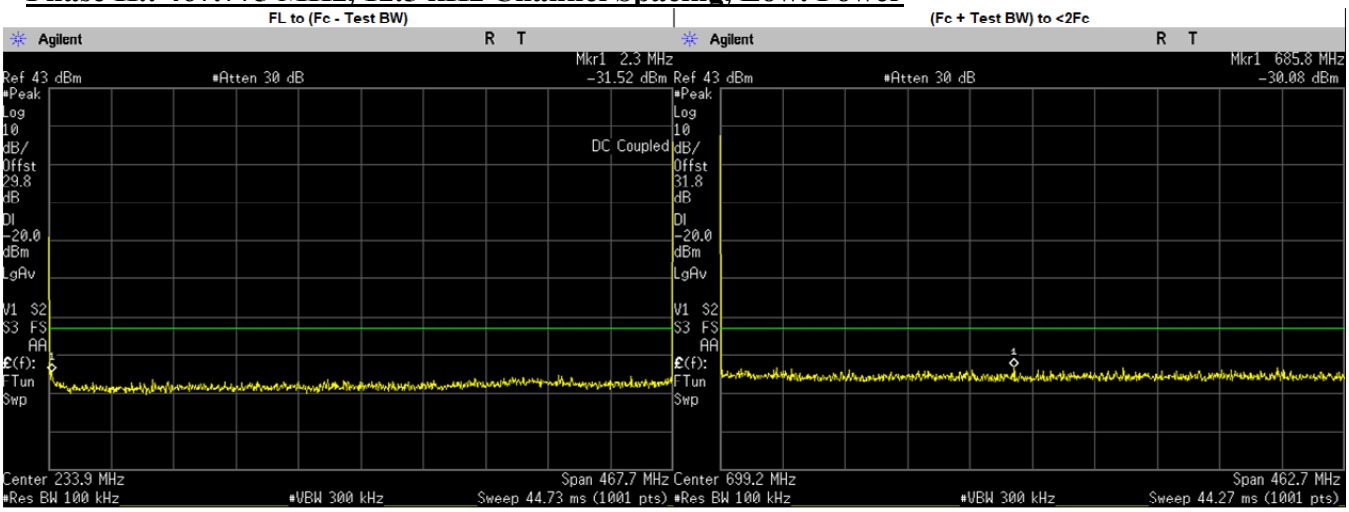
Phase II.: 467.775 MHz, 12.5 kHz Channel Spacing, Max. Power

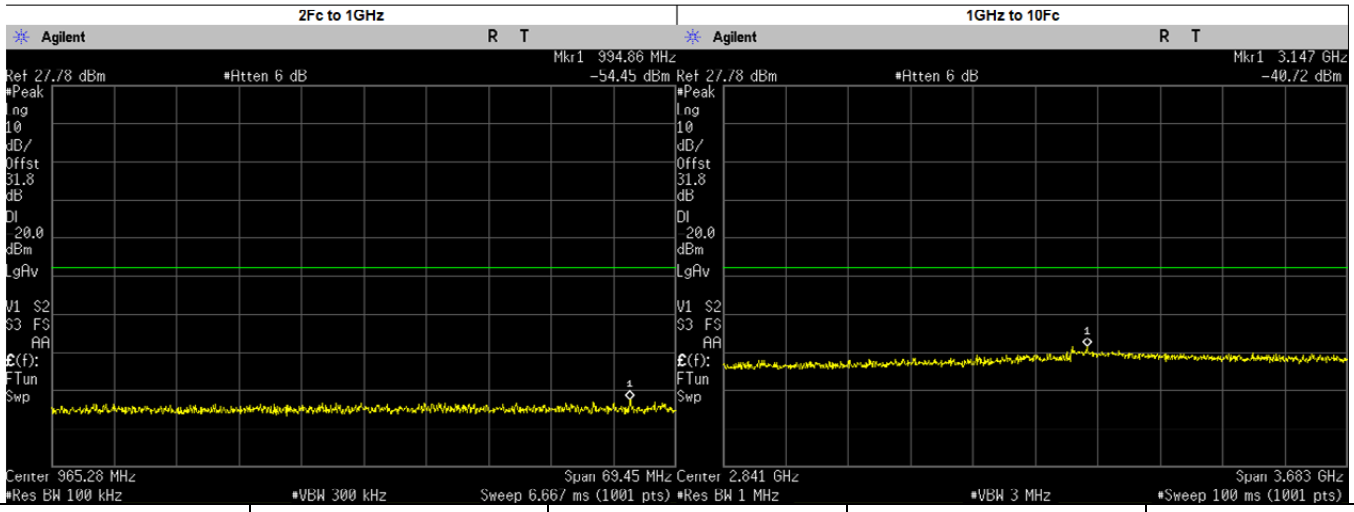




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	65.0000	-34.0770	-20.00	PASS
(Fc + Test BW) to <2Fc	482.6388	-29.6400	-20.00	PASS
2Fc to 1GHz	935.4810	-41.0600	-20.00	PASS
	935.5500	-40.1195	-20.00	PASS
1GHz to 10Fc	1871.1000	-44.9700	-20.00	PASS
	2338.8750	-45.2695	-20.00	PASS
	2806.6500	-40.9503	-20.00	PASS
	3274.4250	-42.0522	-20.00	PASS
	3742.2000	-43.1561	-20.00	PASS
	4209.9750	-43.5071	-20.00	PASS
	4677.7500	-43.8277	-20.00	PASS
	1401.4200	-32.5000	-20.00	PASS
	1403.3250	-32.3878	-20.00	PASS

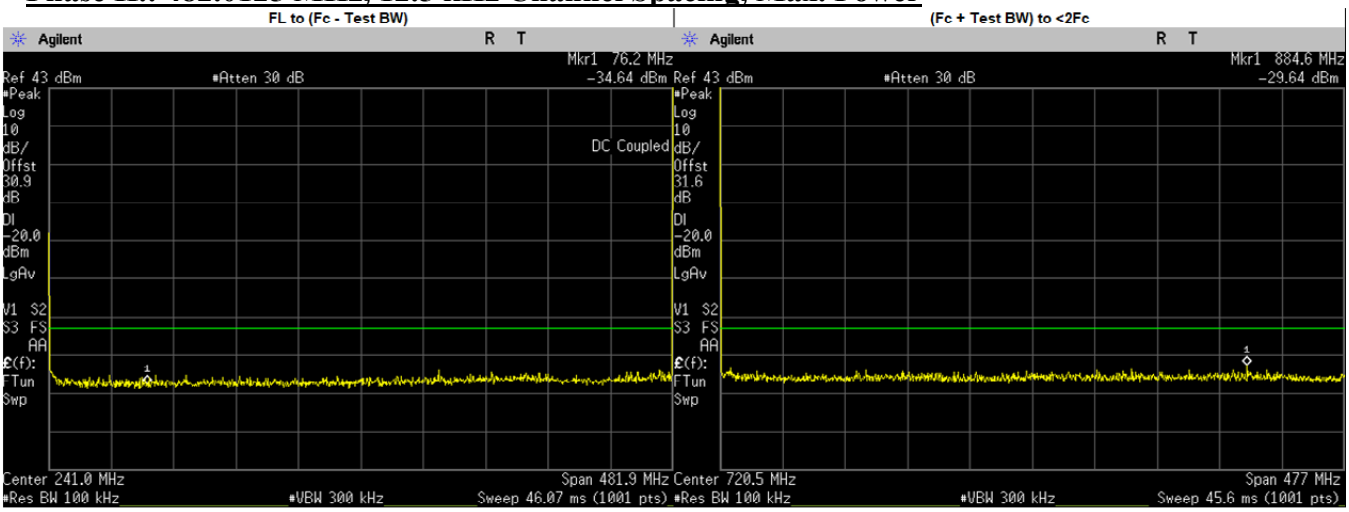
Phase II.: 467.775 MHz, 12.5 kHz Channel Spacing, Low. Power

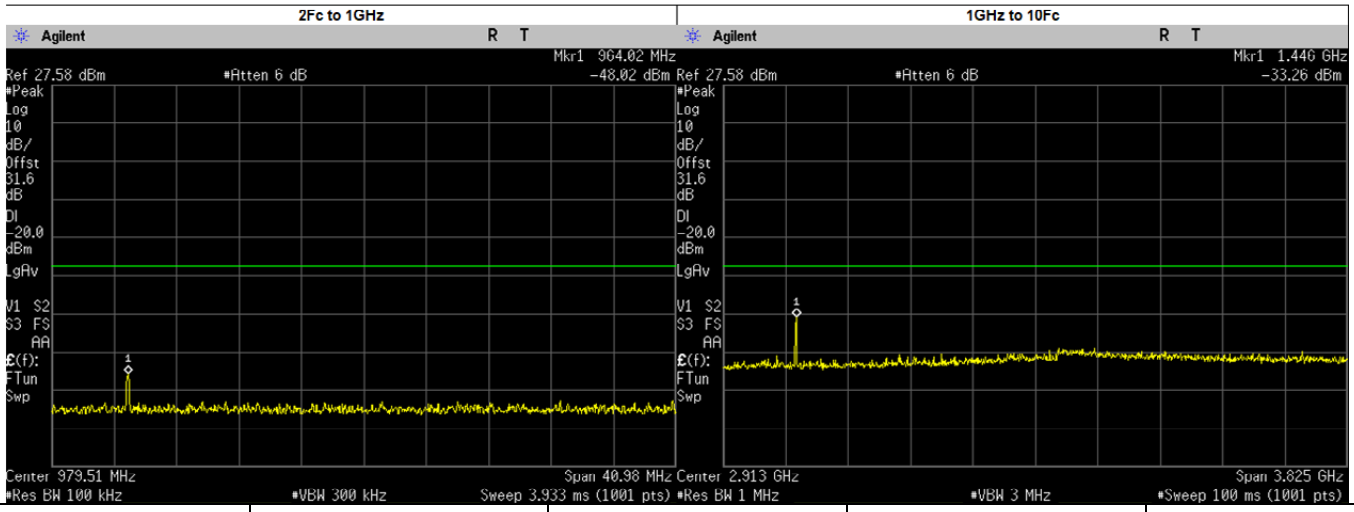




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	2.3000	-31.5230	-20.00	PASS
(Fc + Test BW) to <2Fc	685.7721	-30.0800	-20.00	PASS
2Fc to 1GHz	994.8607	-54.4500	-20.00	PASS
	935.5500	-55.9779	-20.00	PASS
1GHz to 10Fc	3147.0430	-40.7200	-20.00	PASS
	1403.3250	-46.0496	-20.00	PASS
	1871.1000	-44.6450	-20.00	PASS
	2338.8750	-44.8875	-20.00	PASS
	2806.6500	-43.8356	-20.00	PASS
	3274.4250	-42.8259	-20.00	PASS
	3742.2000	-43.2066	-20.00	PASS
	4209.9750	-43.7554	-20.00	PASS
	4677.7500	-44.2684	-20.00	PASS

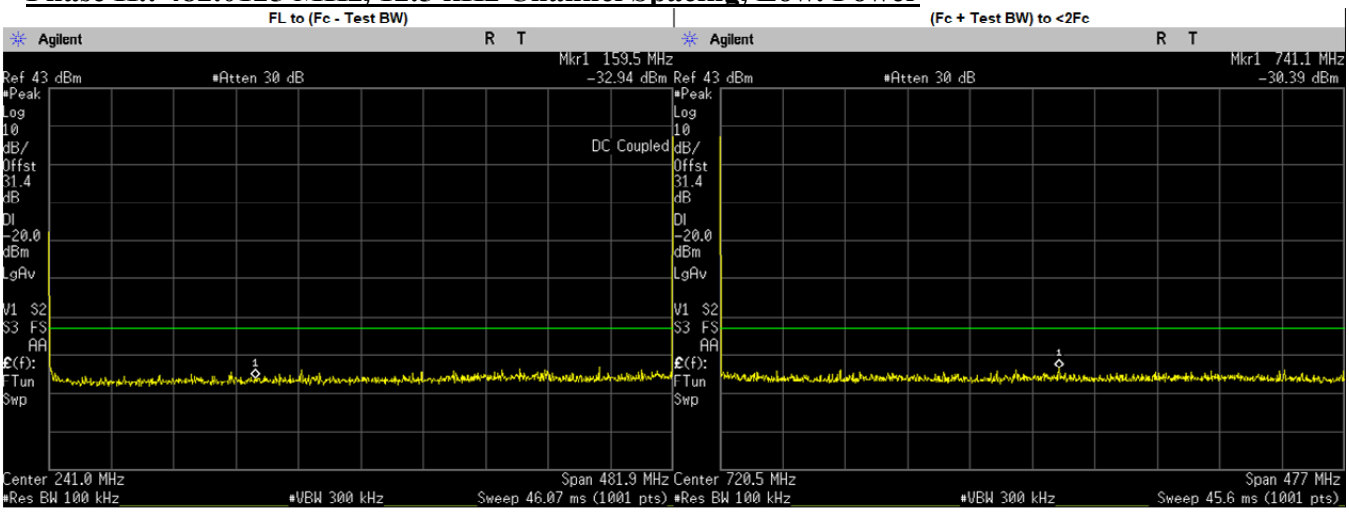
Phase II.: 482.0125 MHz, 12.5 kHz Channel Spacing, Max. Power

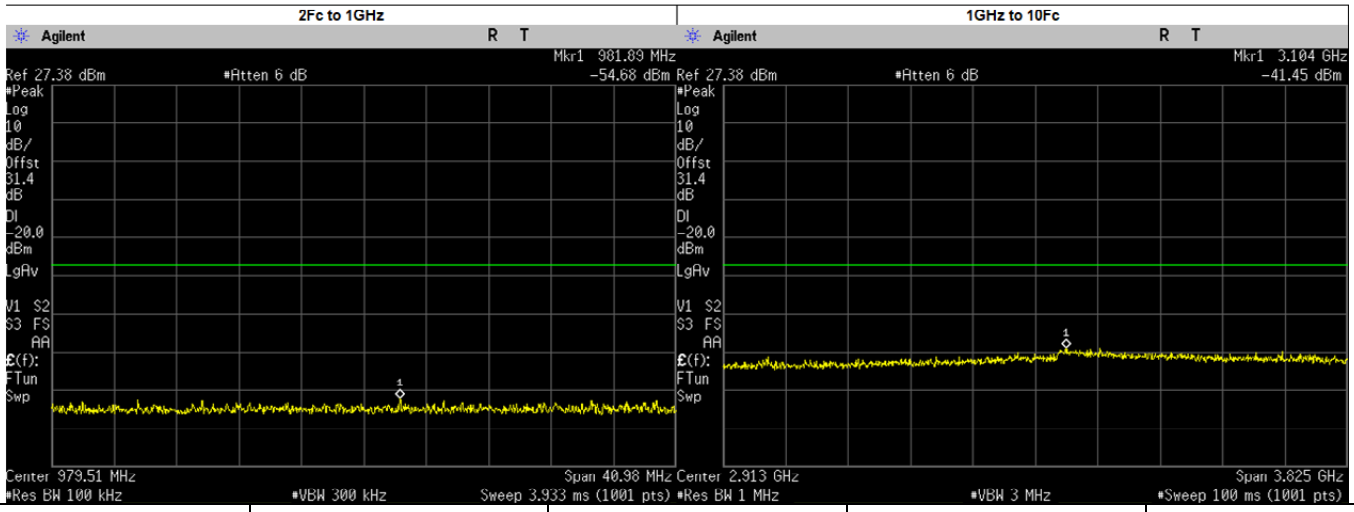




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	76.2000	-34.6360	-20.00	PASS
(Fc + Test BW) to <2Fc	884.6199	-29.6400	-20.00	PASS
2Fc to 1GHz	964.0649	-48.4800	-20.00	PASS
	964.0250	-48.0299	-20.00	PASS
1GHz to 10Fc	1928.0500	-45.8142	-20.00	PASS
	2410.0620	-44.2202	-20.00	PASS
	2892.0750	-44.4682	-20.00	PASS
	3374.0880	-43.0968	-20.00	PASS
	3856.1000	-43.3359	-20.00	PASS
	4338.1130	-44.1644	-20.00	PASS
	4820.1250	-44.2218	-20.00	PASS
	1443.7150	-35.2700	-20.00	PASS
	1446.0370	-34.0509	-20.00	PASS

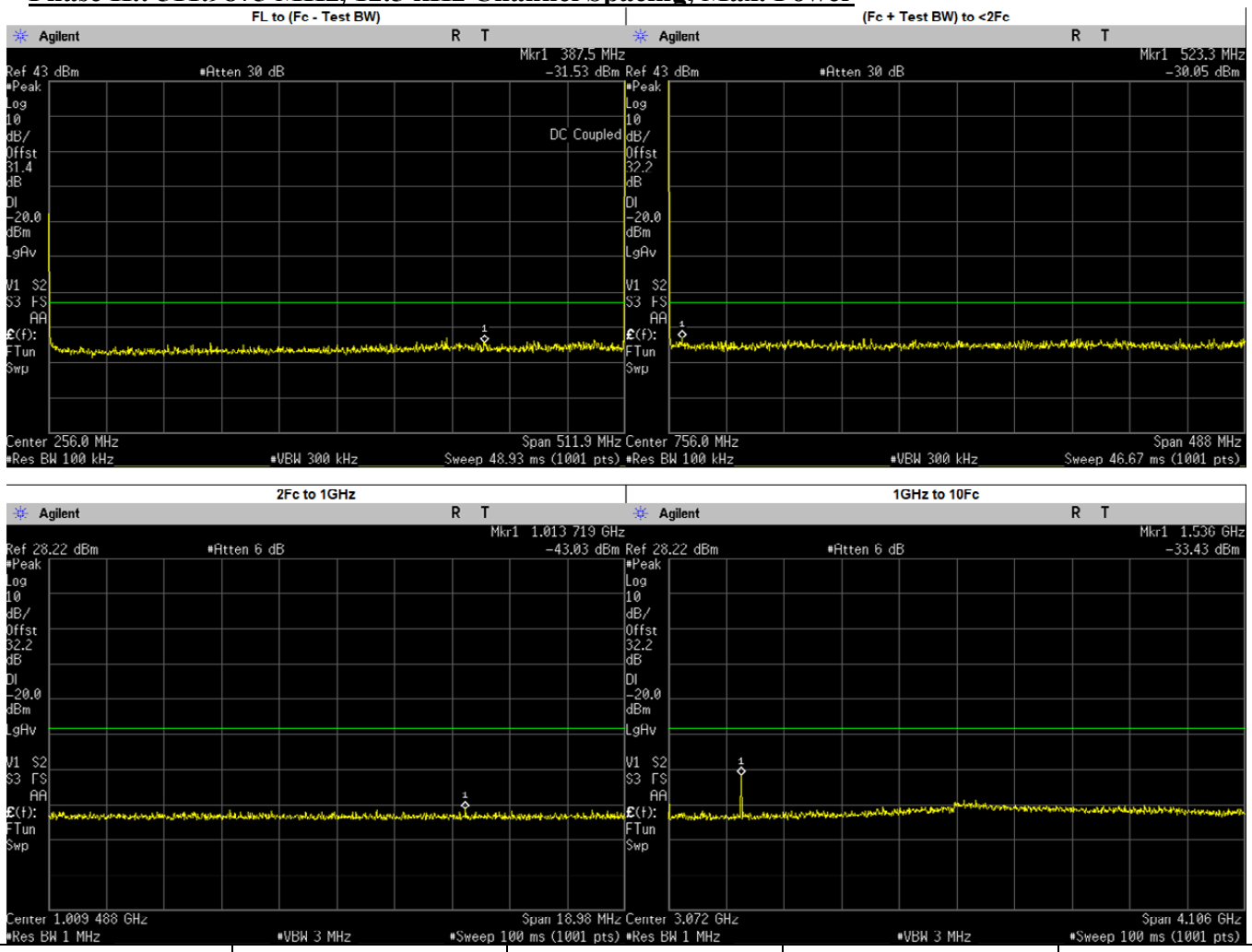
Phase II.: 482.0125 MHz, 12.5 kHz Channel Spacing, Low. Power





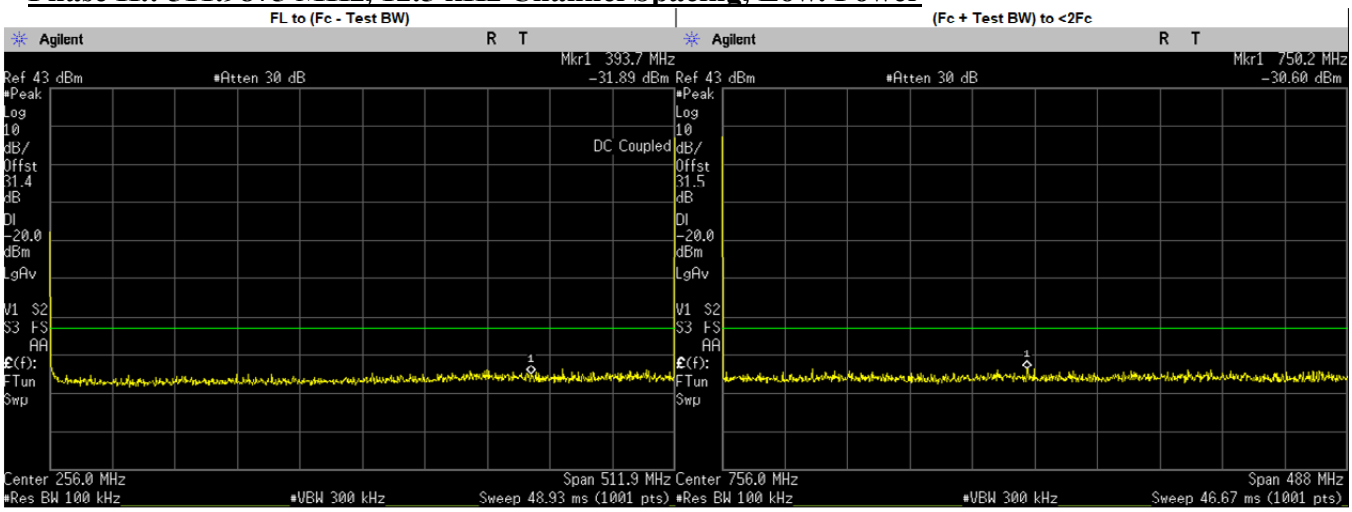
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	159.5000	-32.9450	-20.00	PASS
(Fc + Test BW) to <2Fc	741.0562	-30.3900	-20.00	PASS
2Fc to 1GHz	981.8890	-54.6800	-20.00	PASS
	964.0250	-58.1691	-20.00	PASS
1GHz to 10Fc	3103.8190	-41.4500	-20.00	PASS
	1446.0370	-46.0755	-20.00	PASS
	1928.0500	-45.7653	-20.00	PASS
	2410.0620	-44.8167	-20.00	PASS
	2892.0750	-44.7030	-20.00	PASS
	3374.0880	-42.8428	-20.00	PASS
	3856.1000	-43.8732	-20.00	PASS
	4338.1130	-44.6745	-20.00	PASS
	4820.1250	-44.5684	-20.00	PASS

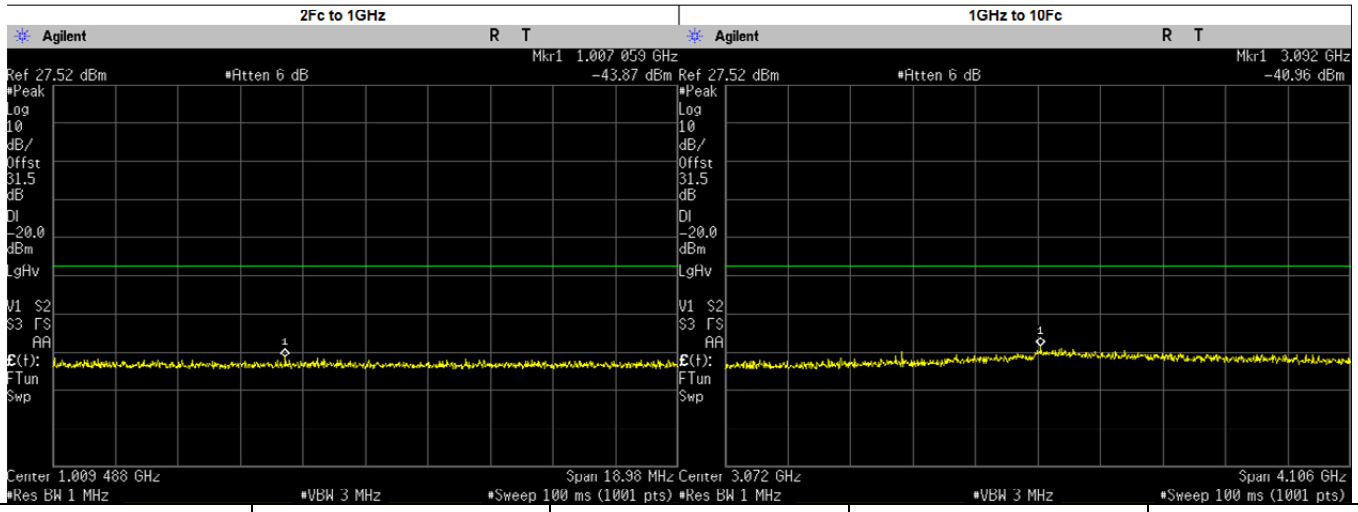
Phase II.: 511.9875 MHz, 12.5 kHz Channel Spacing, Max. Power



FL to (Fc - Test BW)	387.5000	-31.5260	-20.00	PASS
(Fc + Test BW) to <2Fc	523.2673	-30.0500	-20.00	PASS
2Fc to 1GHz	1013.7190	-43.0300	-20.00	PASS
1GHz to 10Fc	3207.4200	-40.3900	-20.00	PASS
	1023.9750	-42.3969	-20.00	PASS
	2047.9500	-44.2359	-20.00	PASS
	2559.9370	-44.5516	-20.00	PASS
	3071.9250	-41.8310	-20.00	PASS
	3583.9120	-42.5817	-20.00	PASS
	4095.9000	-43.7746	-20.00	PASS
	4607.8870	-43.2953	-20.00	PASS
	5119.8750	-44.0310	-20.00	PASS
	1535.9630	-34.4496	-20.00	PASS

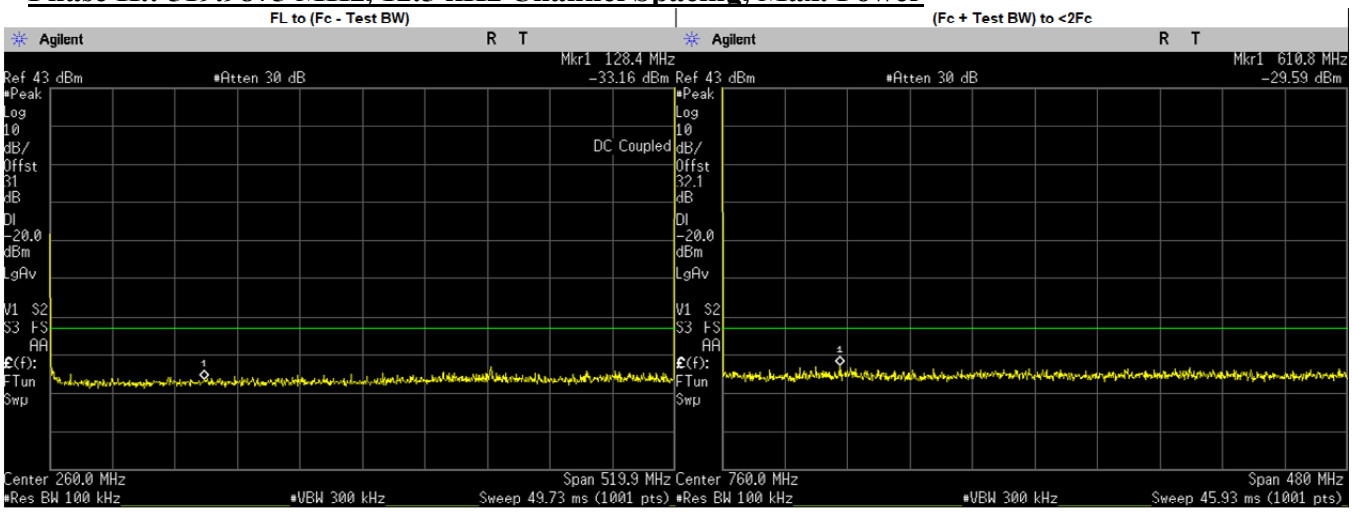
Phase II.: 511.9875 MHz, 12.5 kHz Channel Spacing, Low. Power

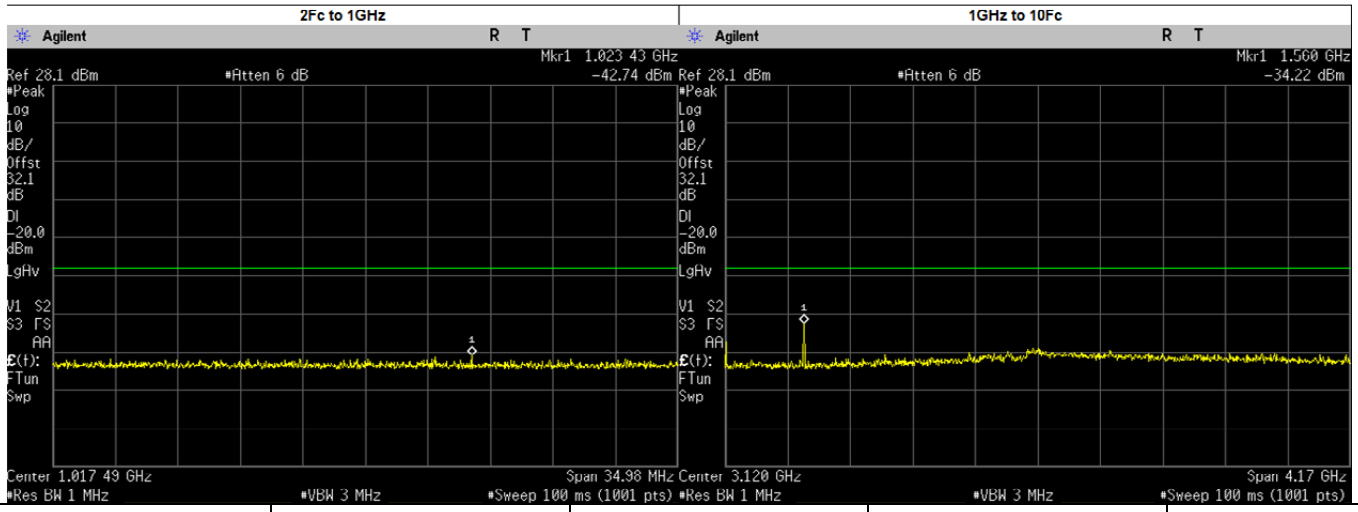




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	393.7000	-31.8930	-20.00	PASS
(Fc + Test BW) to <2Fc	750.1667	-30.6100	-20.00	PASS
2Fc to 1GHz	1007.0590	-43.8700	-20.00	PASS
1GHz to 10Fc	3092.4540	-40.9600	-20.00	PASS
	1023.9750	-46.0149	-20.00	PASS
	1535.9630	-45.2173	-20.00	PASS
	2047.9500	-44.7428	-20.00	PASS
	2559.9370	-45.1727	-20.00	PASS
	3071.9250	-41.9390	-20.00	PASS
	3583.9120	-42.6188	-20.00	PASS
	4095.9000	-44.3514	-20.00	PASS
	4607.8870	-43.8301	-20.00	PASS
	5119.8750	-44.4364	-20.00	PASS

Phase II.: 519.9875 MHz, 12.5 kHz Channel Spacing, Max. Power

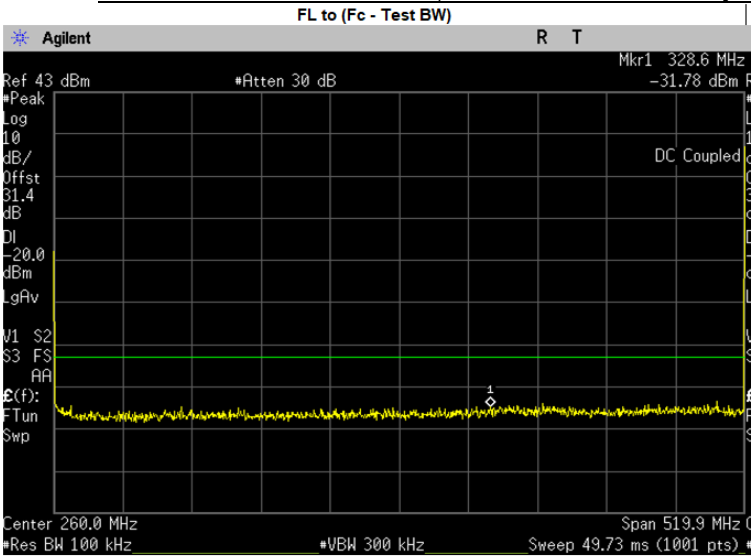




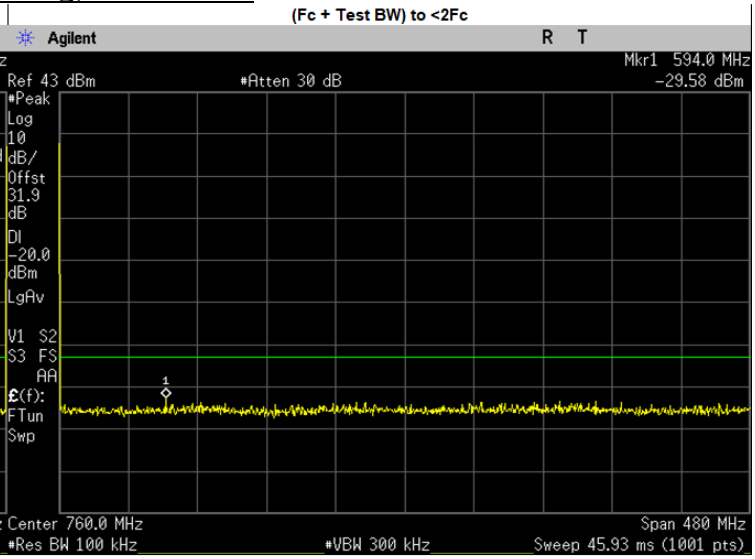
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	128.4000	-33.1630	-20	PASS
(Fc + Test BW) to <2Fc	610.7559	-29.5900	-20	PASS
2Fc to 1GHz	1023.4330	-42.7400	-20	PASS
1GHz to 10Fc	3086.5660	-40.8300	-20	PASS
	1039.9750	-40.5265	-20	PASS
	2079.9500	-44.3993	-20	PASS
	2599.9370	-44.3787	-20	PASS
	3119.9250	-41.2570	-20	PASS
	3639.9120	-42.6432	-20	PASS
	4159.9000	-43.4187	-20	PASS
	4679.8870	-44.1452	-20	PASS
	5199.8750	-44.5811	-20	PASS
	1559.9630	-35.2869	-20	PASS

Phase II.: 519.9875 MHz, 12.5 kHz Channel Spacing, Low. Power

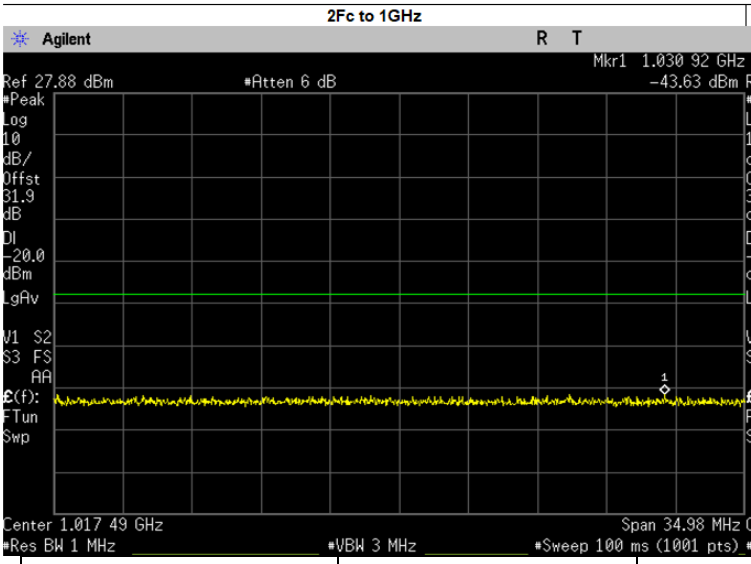
FL to (Fc - Test BW)



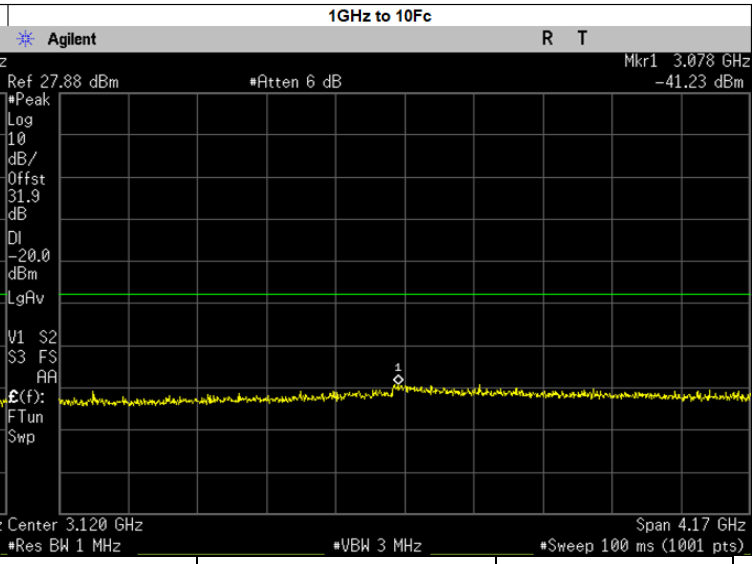
(Fc + Test BW) to <2Fc



2Fc to 1GHz



1GHz to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	328.6000	-31.7810	-20	PASS
(Fc + Test BW) to <2Fc	593.9575	-29.5800	-20	PASS
2Fc to 1GHz	1030.9180	-43.6300	-20	PASS
1GHz to 10Fc	3078.2260	-41.2300	-20	PASS
	1039.9750	-45.4604	-20	PASS
	1559.9630	-45.2921	-20	PASS
	2079.9500	-45.1213	-20	PASS
	2599.9370	-44.4335	-20	PASS
	3119.9250	-42.0500	-20	PASS
	3639.9120	-43.1028	-20	PASS
	4159.9000	-43.9018	-20	PASS
	4679.8870	-44.1222	-20	PASS
	5199.8750	-44.8515	-20	PASS

6.10.4. Test Limit

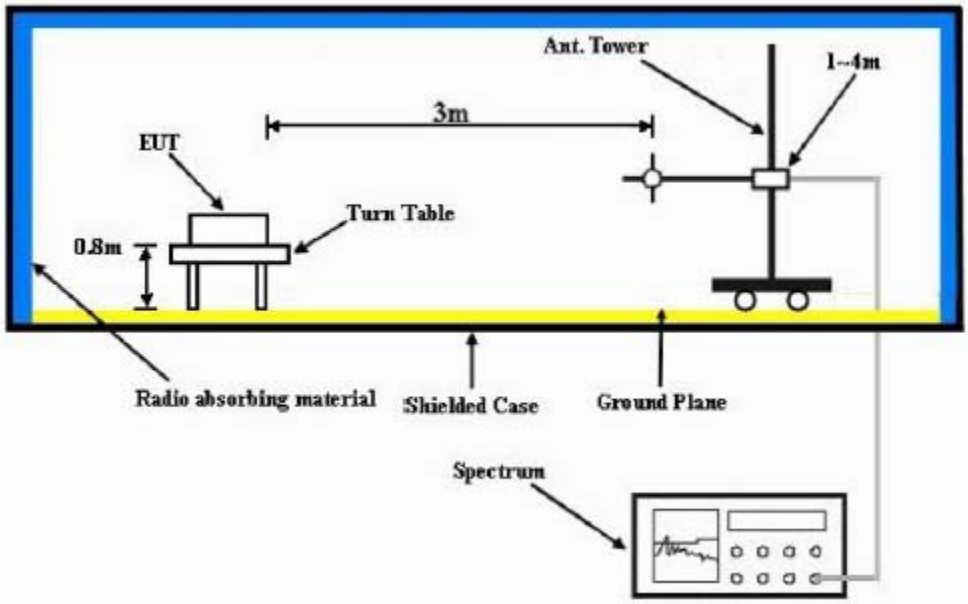
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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 Fc < 1GHz) or 1.5m height (for Fc > 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.

6.11.2. Test Result (Analog)

SAC Transmitter Radiated Emission:

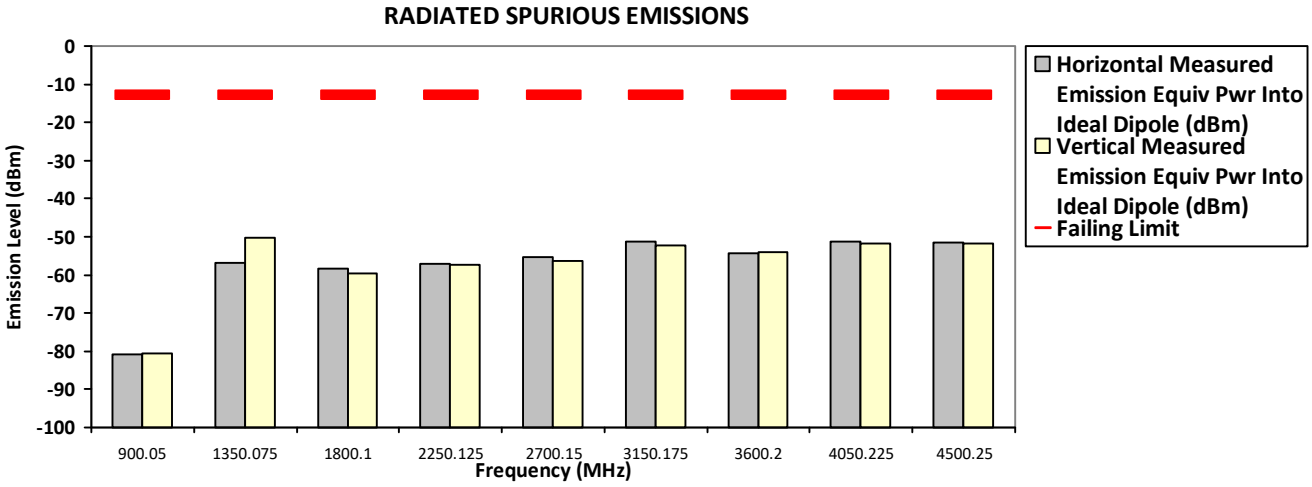
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

450.025000 MHz **25 kHz** **54.000 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)
900.0500	-13.0000	-80.7344 **	-80.5230 **
1350.0750	-13.0000	-56.7200 *	-50.2500 *
1800.1000	-13.0000	-58.3407 **	-59.6657 **
2250.1250	-13.0000	-56.9909 **	-57.3818 **
2700.1500	-13.0000	-55.3549 **	-56.2099 **
3150.1750	-13.0000	-51.2458 **	-52.3737 **
3600.2000	-13.0000	-54.3370 **	-53.9554 **
4050.2250	-13.0000	-51.3452 **	-51.8564 **
4500.2500	-13.0000	-51.5718 **	-51.8564 **



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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

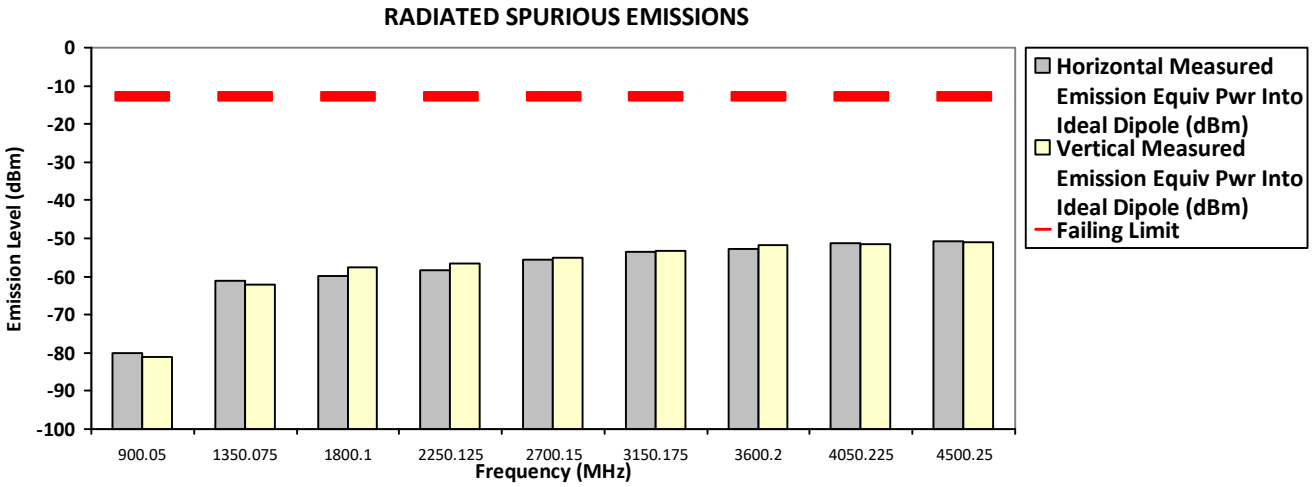
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

450.025000 MHz **25 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-13.0000	-80.0941 **	-80.9729 **
1350.0750	-13.0000	-61.0278 **	-62.0766 **
1800.1000	-13.0000	-59.9624 **	-57.5647 **
2250.1250	-13.0000	-58.2427 **	-56.6249 **
2700.1500	-13.0000	-55.5929 **	-55.0436 **
3150.1750	-13.0000	-53.6249 **	-53.2894 **
3600.2000	-13.0000	-52.8927 **	-51.7563 **
4050.2250	-13.0000	-51.2107 **	-51.6044 **
4500.2500	-13.0000	-50.8799 **	-50.9444 **



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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

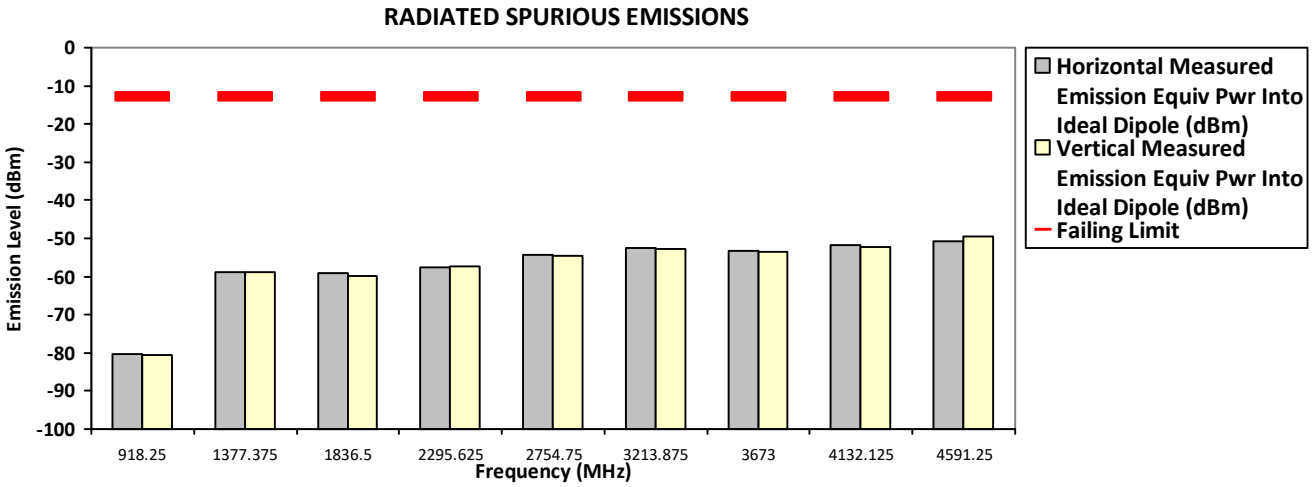
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

459.125000 MHz **25 kHz** **54.000 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)
918.2500	-13.0000	-80.2695 **	-80.6344 **
1377.3750	-13.0000	-58.7817 **	-58.8557 **
1836.5000	-13.0000	-59.1879 **	-59.7897 **
2295.6250	-13.0000	-57.5324 **	-57.2255 **
2754.7500	-13.0000	-54.3645 **	-54.6403 **
3213.8750	-13.0000	-52.4809 **	-52.6578 **
3673.0000	-13.0000	-53.2776 **	-53.5235 **
4132.1250	-13.0000	-51.8779 **	-52.3197 **
4591.2500	-13.0000	-50.6504 **	-49.4934 **



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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

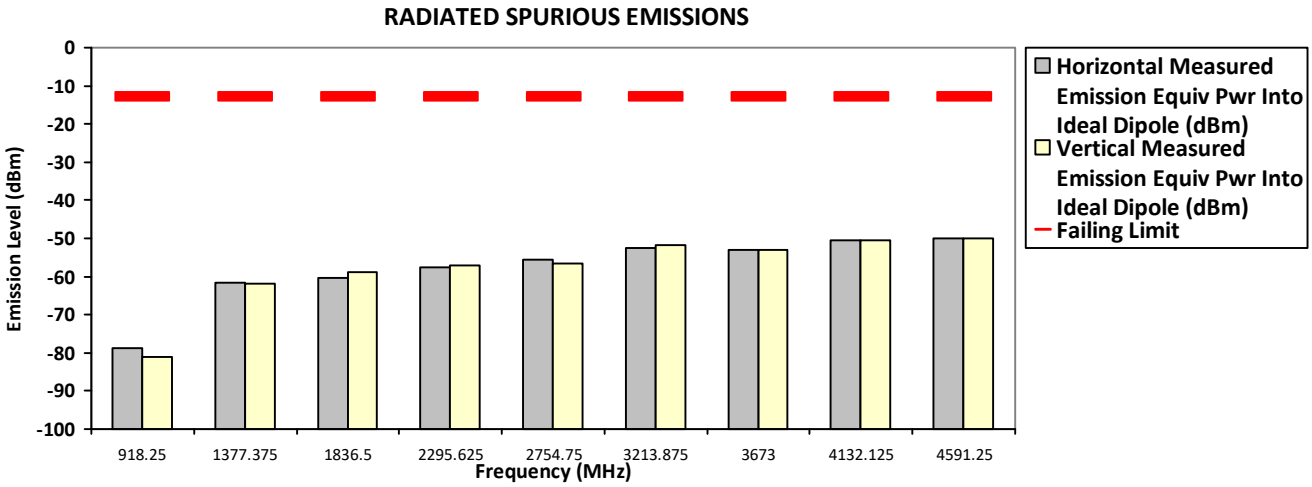
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

459.125000 MHz **25 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-13.0000	-78.7628 **	-81.1440 **
1377.3750	-13.0000	-61.5815 **	-61.7649 **
1836.5000	-13.0000	-60.4160 **	-58.7376 **
2295.6250	-13.0000	-57.6251 **	-57.0604 **
2754.7500	-13.0000	-55.5095 **	-56.5838 **
3213.8750	-13.0000	-52.4818 **	-51.7869 **
3673.0000	-13.0000	-53.1304 **	-53.0197 **
4132.1250	-13.0000	-50.5412 **	-50.4911 **
4591.2500	-13.0000	-49.9567 **	-50.0305 **



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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

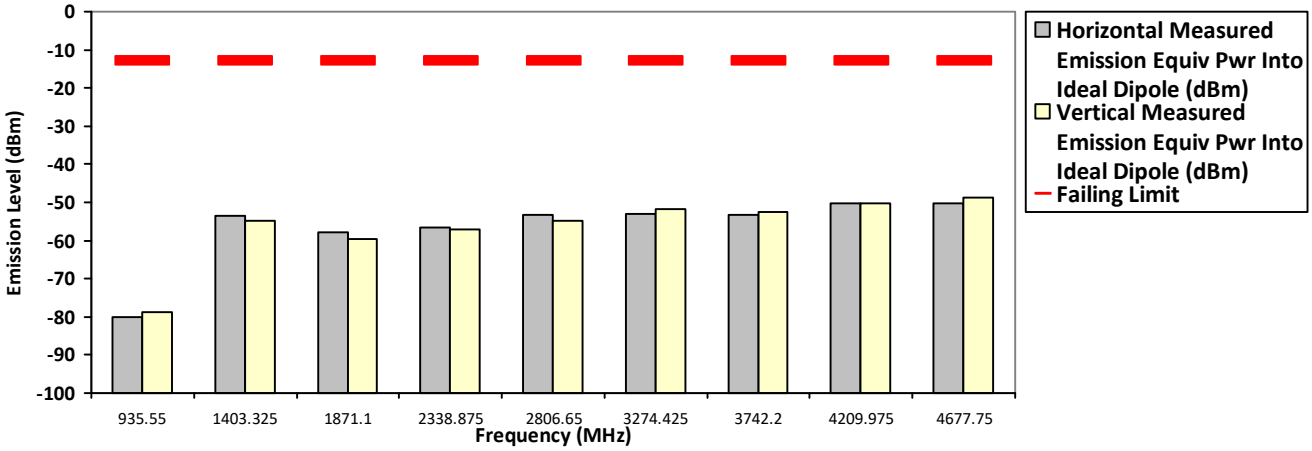
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

467.775000 MHz **25 kHz** **54.000 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)
935.5500	-13.0000	-80.0102 **	-78.7636 **
1403.3250	-13.0000	-53.5600 *	-54.9000 *
1871.1000	-13.0000	-57.7100 **	-59.6458 **
2338.8750	-13.0000	-56.4915 **	-57.1108 **
2806.6500	-13.0000	-53.2891 **	-54.8578 **
3274.4250	-13.0000	-53.0598 **	-51.8360 **
3742.2000	-13.0000	-53.1658 **	-52.5207 **
4209.9750	-13.0000	-50.1471 **	-50.1735 **
4677.7500	-13.0000	-50.2088 **	-48.6985 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

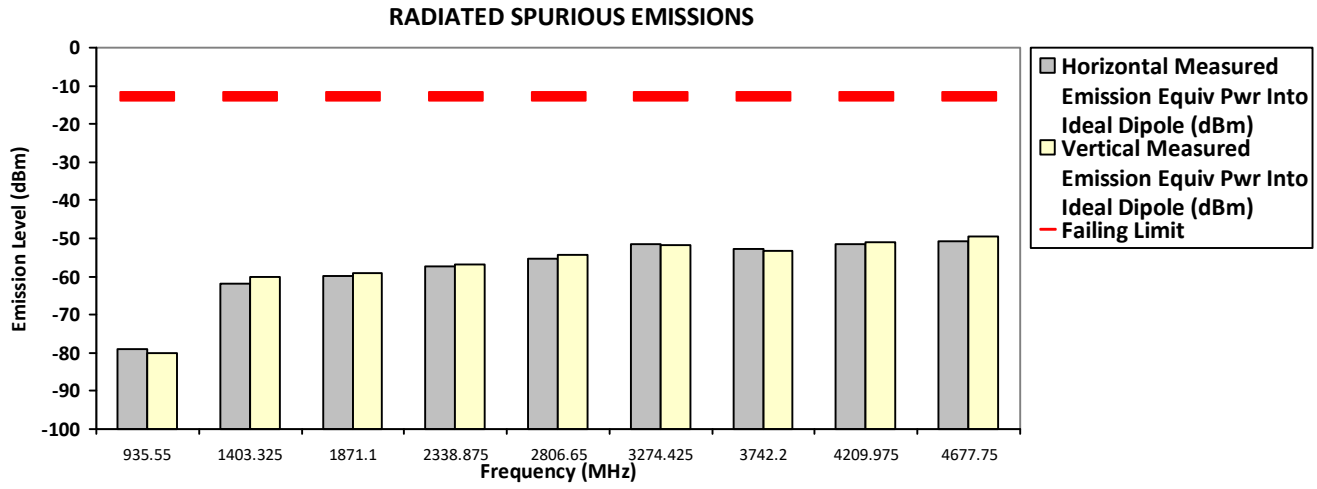
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

467.775000 MHz **25 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-13.0000	-79.1651 **	-80.1590 **
1403.3250	-13.0000	-61.7462 **	-60.0319 **
1871.1000	-13.0000	-59.8535 **	-59.1602 **
2338.8750	-13.0000	-57.2772 **	-56.7024 **
2806.6500	-13.0000	-55.3412 **	-54.2976 **
3274.4250	-13.0000	-51.4137 **	-51.6522 **
3742.2000	-13.0000	-52.7421 **	-53.2592 **
4209.9750	-13.0000	-51.5922 **	-50.9543 **
4677.7500	-13.0000	-50.7846 **	-49.5450 **



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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

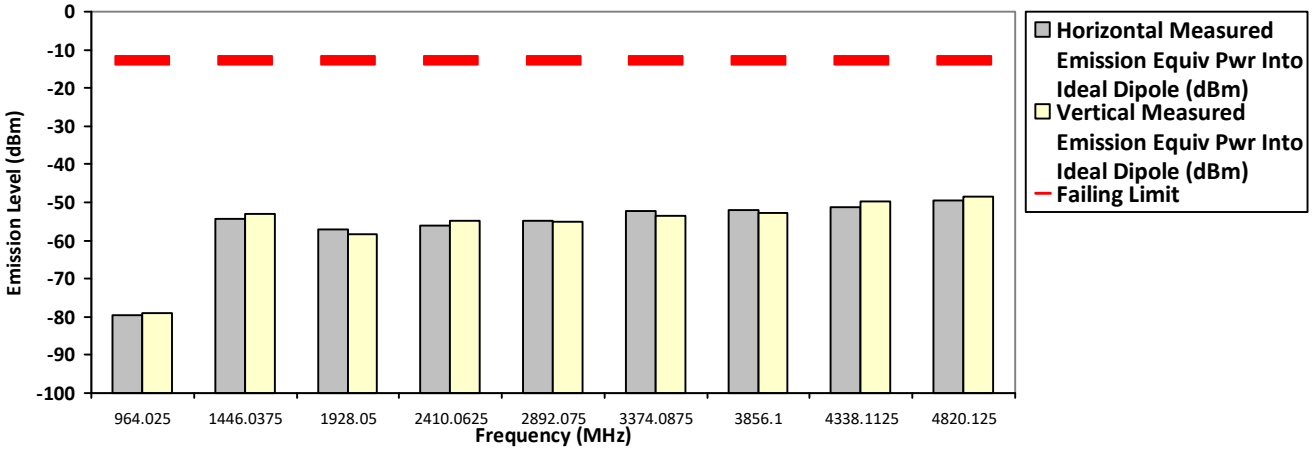
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

482.012500 MHz **25 kHz** **54.000 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)
964.0250	-13.0000	-79.6220 **	-79.0114 **
1446.0375	-13.0000	-54.4100 *	-53.1500 *
1928.0500	-13.0000	-57.0792 **	-58.4411 **
2410.0625	-13.0000	-56.0533 **	-54.8468 **
2892.0750	-13.0000	-54.8277 **	-54.9763 **
3374.0875	-13.0000	-52.2508 **	-53.5202 **
3856.1000	-13.0000	-51.9349 **	-52.6920 **
4338.1125	-13.0000	-51.3180 **	-49.8504 **
4820.1250	-13.0000	-49.5847 **	-48.5164 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

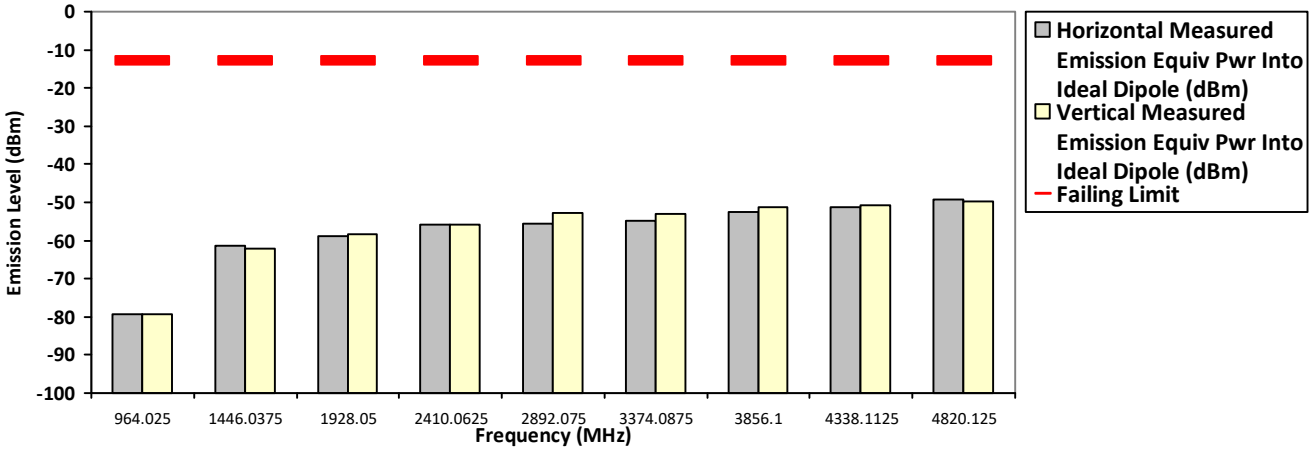
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

482.012500 MHz **25 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-13.0000	-79.1971 **	-79.2453 **
1446.0375	-13.0000	-61.4720 **	-62.0698 **
1928.0500	-13.0000	-58.8177 **	-58.2719 **
2410.0625	-13.0000	-55.8629 **	-55.6899 **
2892.0750	-13.0000	-55.5061 **	-52.7662 **
3374.0875	-13.0000	-54.8900 **	-52.9812 **
3856.1000	-13.0000	-52.4694 **	-51.3835 **
4338.1125	-13.0000	-51.2938 **	-50.6719 **
4820.1250	-13.0000	-49.2178 **	-49.8129 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

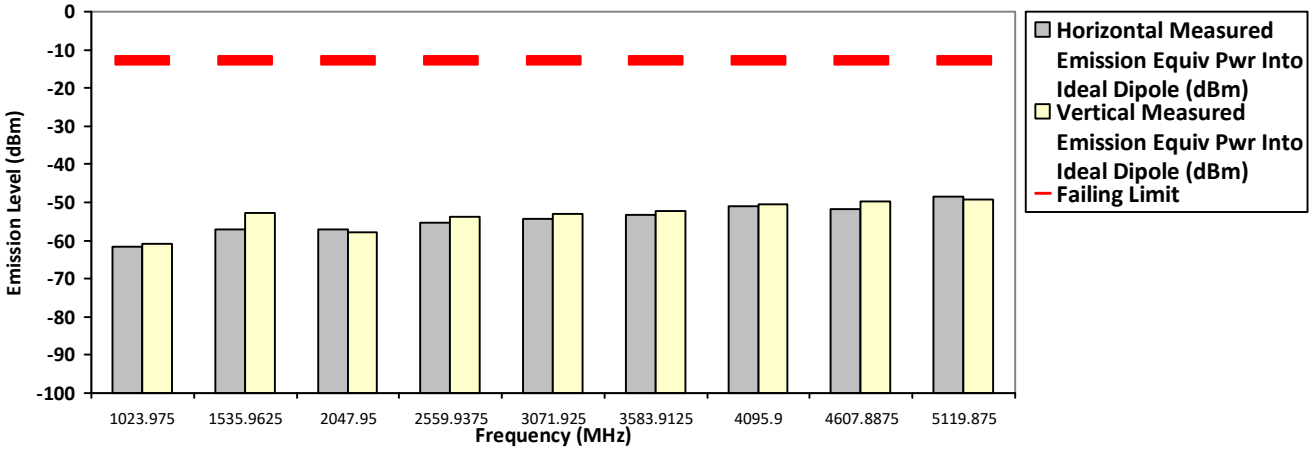
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

511.987500 MHz **25 kHz** **48.000 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)
1023.9750	-13.0000	-61.6874 **	-60.7901 **
1535.9625	-13.0000	-57.1300 *	-52.7700 *
2047.9500	-13.0000	-57.1922 **	-57.8971 **
2559.9375	-13.0000	-55.4243 **	-53.9008 **
3071.9250	-13.0000	-54.2014 **	-53.0189 **
3583.9125	-13.0000	-53.2391 **	-52.3590 **
4095.9000	-13.0000	-51.1146 **	-50.3999 **
4607.8875	-13.0000	-51.6500 **	-49.7021 **
5119.8750	-13.0000	-48.6086 **	-49.1526 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

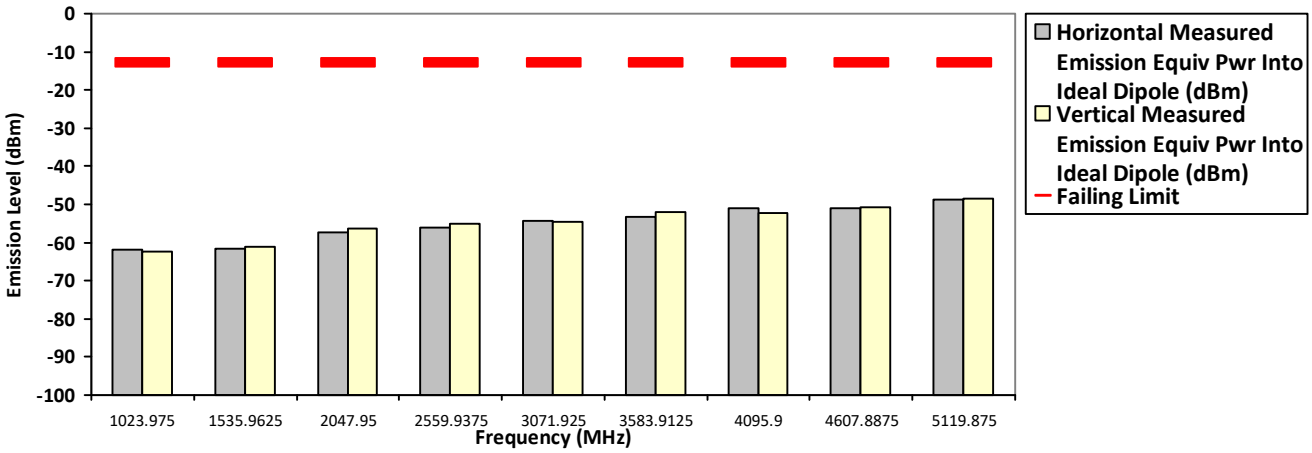
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

511.987500 MHz **25 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-13.0000	-61.9383 **	-62.4369 **
1535.9625	-13.0000	-61.6281 **	-61.1217 **
2047.9500	-13.0000	-57.2639 **	-56.2327 **
2559.9375	-13.0000	-56.1274 **	-55.0921 **
3071.9250	-13.0000	-54.2927 **	-54.4394 **
3583.9125	-13.0000	-53.3303 **	-52.0349 **
4095.9000	-13.0000	-50.9473 **	-52.2648 **
4607.8875	-13.0000	-50.8920 **	-50.6405 **
5119.8750	-13.0000	-48.7437 **	-48.4780 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

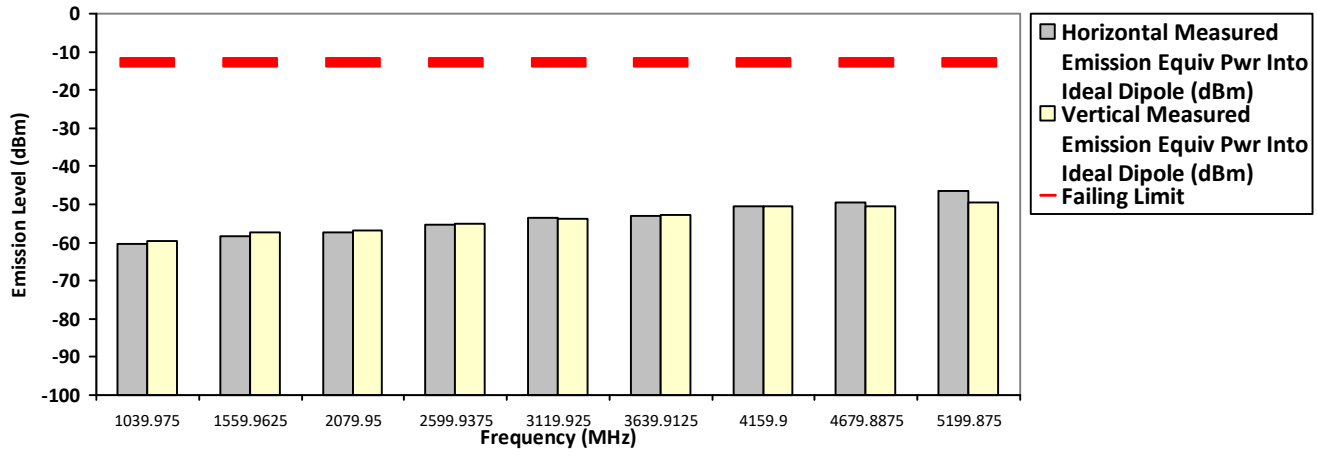
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

519.987500 MHz **25 kHz** **30.000 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)
1039.9750	-13.0000	-60.2349 **	-59.4717 **
1559.9625	-13.0000	-58.4355 **	-57.3582 **
2079.9500	-13.0000	-57.2728 **	-56.7536 **
2599.9375	-13.0000	-55.3421 **	-55.0096 **
3119.9250	-13.0000	-53.5660 **	-53.6961 **
3639.9125	-13.0000	-52.9900 **	-52.7101 **
4159.9000	-13.0000	-50.4999 **	-50.5460 **
4679.8875	-13.0000	-49.4869 **	-50.5382 **
5199.8750	-13.0000	-46.5554 **	-49.3956 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

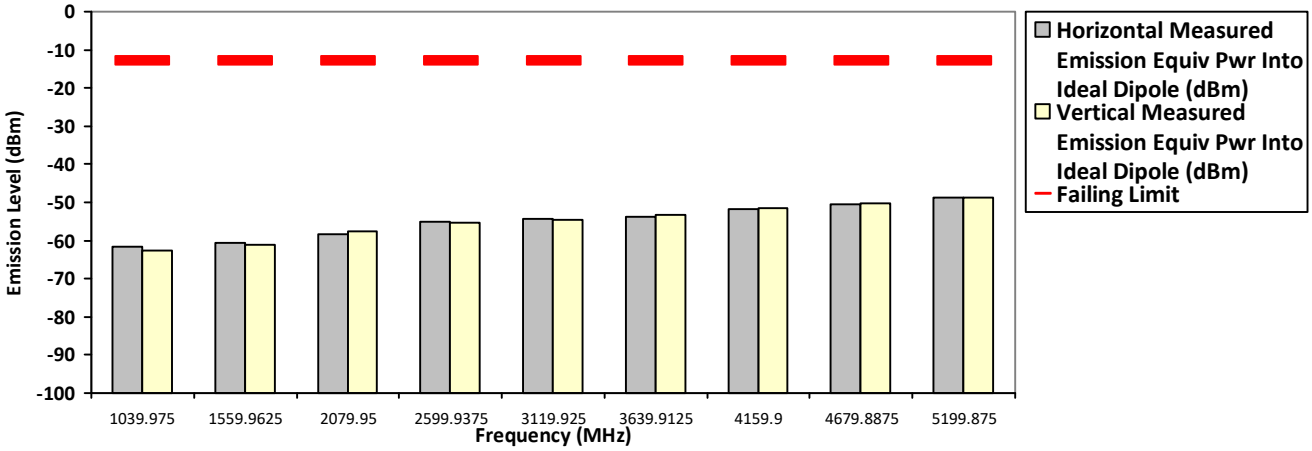
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX Analog

519.987500 MHz **25 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-13.0000	-61.4997 **	-62.6582 **
1559.9625	-13.0000	-60.6678 **	-61.1875 **
2079.9500	-13.0000	-58.2805 **	-57.6603 **
2599.9375	-13.0000	-54.9315 **	-55.2935 **
3119.9250	-13.0000	-54.2833 **	-54.5446 **
3639.9125	-13.0000	-53.8016 **	-53.3671 **
4159.9000	-13.0000	-51.7577 **	-51.5744 **
4679.8875	-13.0000	-50.6096 **	-50.3297 **
5199.8750	-13.0000	-48.7787 **	-48.8554 **

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 : Amaluddin&Nazrin **Sun, 28 Feb, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

6.11.3. Test Result (Digital)

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

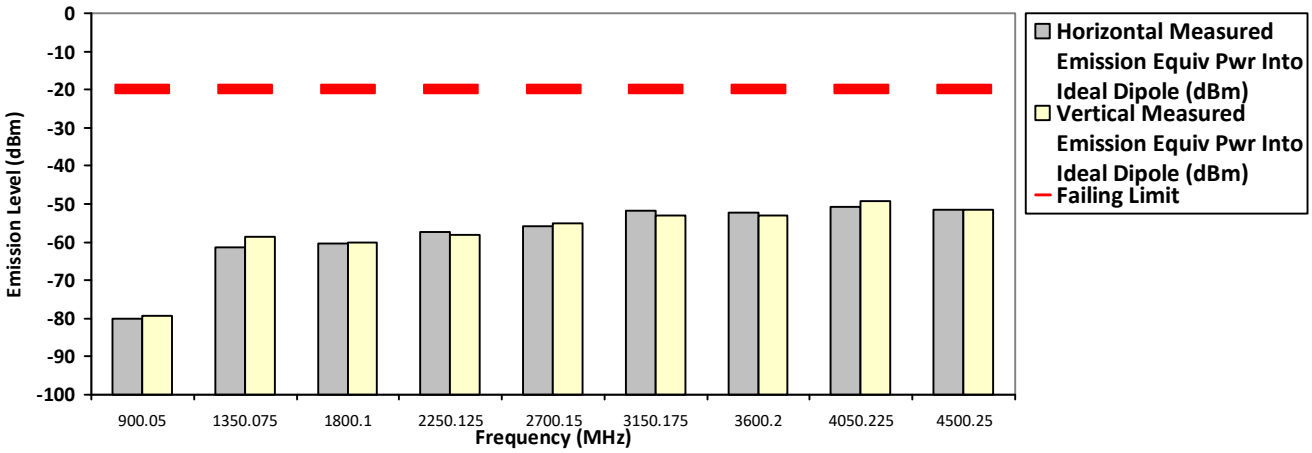
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

450.025000 MHz **12.5 kHz** **54.000 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)
900.0500	-20.0000	-80.1380 **	-79.2924 **
1350.0750	-20.0000	-61.4369 **	-58.7016 **
1800.1000	-20.0000	-60.3806 **	-60.0508 **
2250.1250	-20.0000	-57.3720 **	-58.1071 **
2700.1500	-20.0000	-55.6889 **	-54.9680 **
3150.1750	-20.0000	-51.8847 **	-53.1005 **
3600.2000	-20.0000	-52.3375 **	-53.1550 **
4050.2250	-20.0000	-50.7597 **	-49.2003 **
4500.2500	-20.0000	-51.5177 **	-51.5554 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

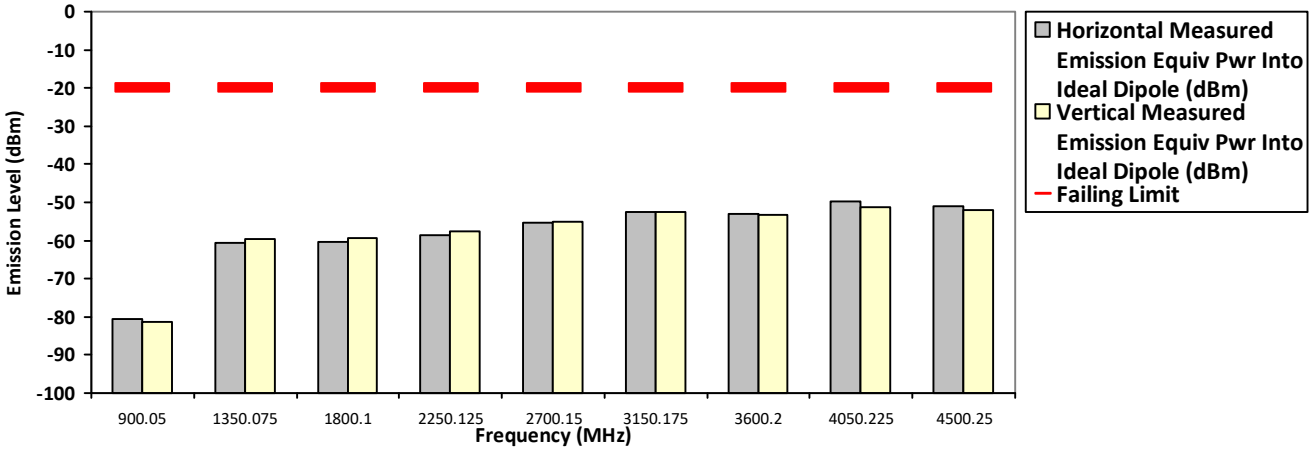
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

450.025000 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-80.4870 **	-81.2550 **
1350.0750	-20.0000	-60.5495 **	-59.7055 **
1800.1000	-20.0000	-60.3036 **	-59.2566 **
2250.1250	-20.0000	-58.5662 **	-57.4865 **
2700.1500	-20.0000	-55.2473 **	-55.0468 **
3150.1750	-20.0000	-52.5256 **	-52.4441 **
3600.2000	-20.0000	-53.0288 **	-53.2119 **
4050.2250	-20.0000	-49.6489 **	-51.2205 **
4500.2500	-20.0000	-50.9041 **	-51.9072 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

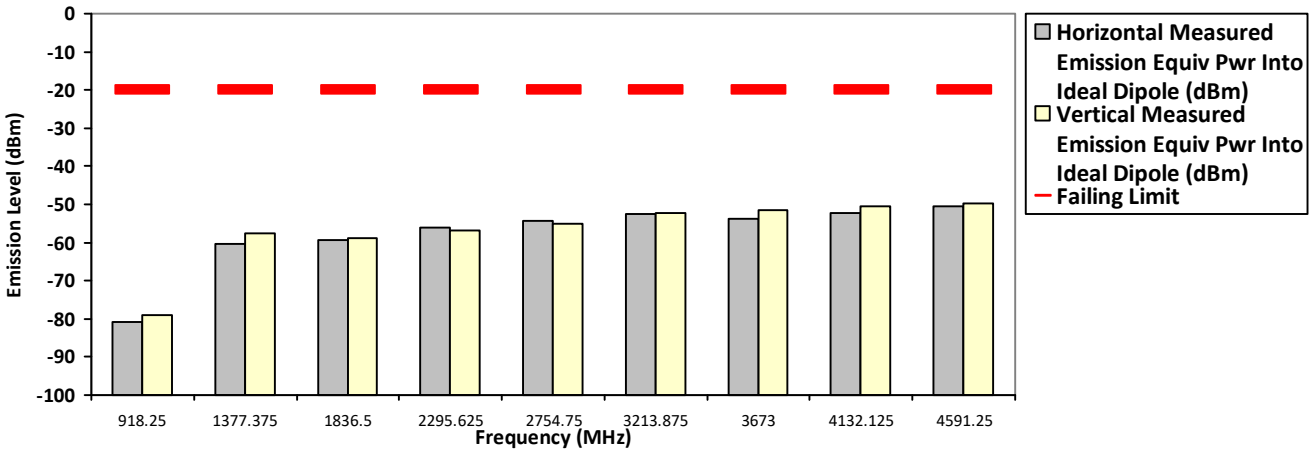
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

459.125000 MHz **12.5 kHz** **54.000 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)
918.2500	-20.0000	-80.8303 **	-79.0619 **
1377.3750	-20.0000	-60.2828 **	-57.6512 **
1836.5000	-20.0000	-59.2387 **	-58.8417 **
2295.6250	-20.0000	-56.0162 **	-56.8098 **
2754.7500	-20.0000	-54.2985 **	-55.0396 **
3213.8750	-20.0000	-52.4203 **	-52.2750 **
3673.0000	-20.0000	-53.6825 **	-51.5697 **
4132.1250	-20.0000	-52.2280 **	-50.5980 **
4591.2500	-20.0000	-50.4066 **	-49.8056 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

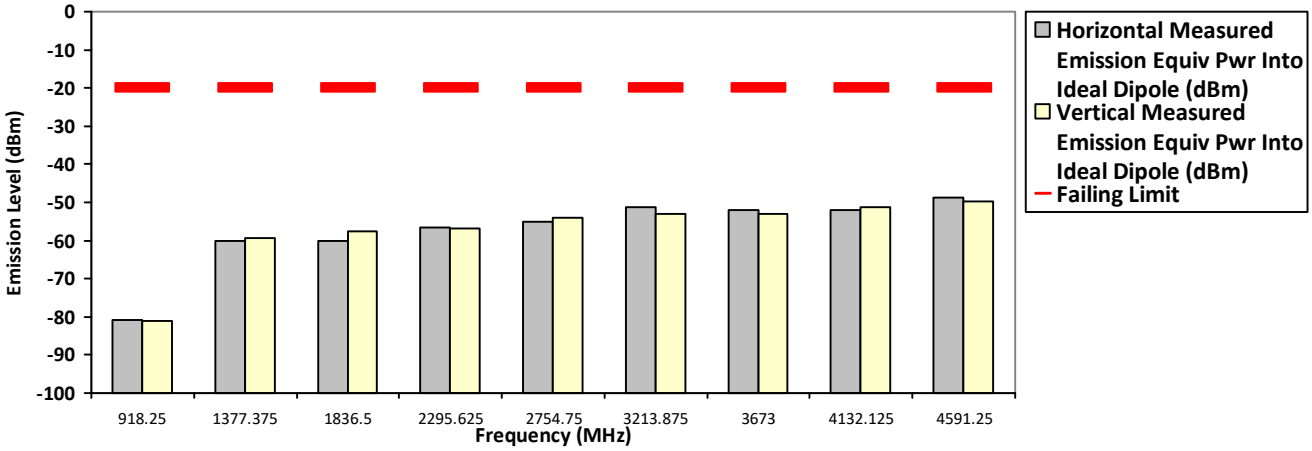
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

459.125000 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-80.8954 **	-80.9987 **
1377.3750	-20.0000	-60.2168 **	-59.4353 **
1836.5000	-20.0000	-60.1629 **	-57.7018 **
2295.6250	-20.0000	-56.6696 **	-56.7553 **
2754.7500	-20.0000	-55.0266 **	-54.0331 **
3213.8750	-20.0000	-51.2223 **	-52.9207 **
3673.0000	-20.0000	-51.9995 **	-53.1075 **
4132.1250	-20.0000	-52.0004 **	-51.2876 **
4591.2500	-20.0000	-48.8081 **	-49.8662 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

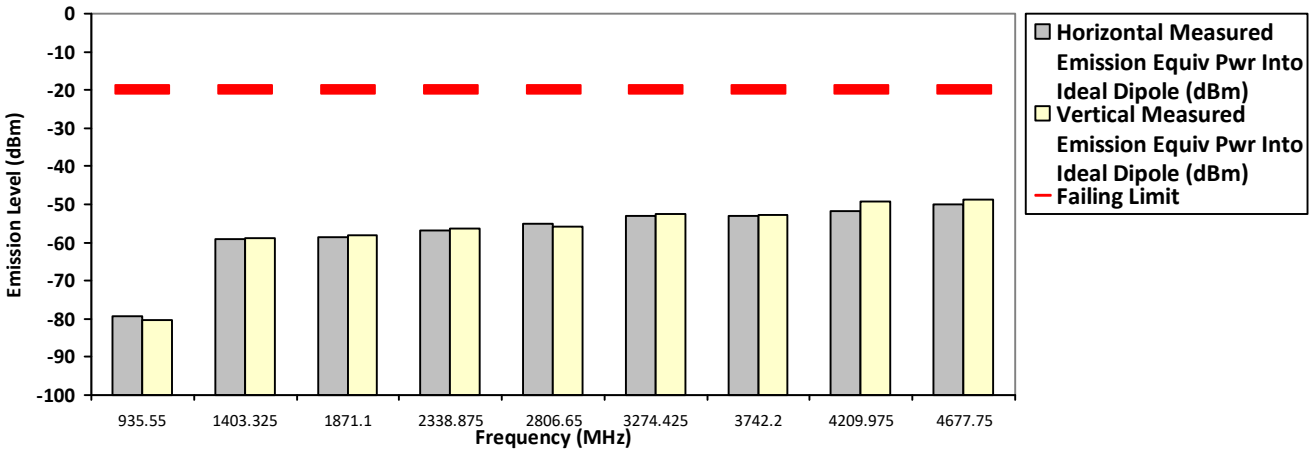
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

467.775000 MHz **12.5 kHz** **54.000 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)
935.5500	-20.0000	-79.2730 **	-80.3607 **
1403.3250	-20.0000	-59.0798 **	-58.8374 **
1871.1000	-20.0000	-58.4673 **	-57.9673 **
2338.8750	-20.0000	-56.7851 **	-56.3993 **
2806.6500	-20.0000	-55.0305 **	-55.8479 **
3274.4250	-20.0000	-52.9654 **	-52.4550 **
3742.2000	-20.0000	-52.9263 **	-52.8676 **
4209.9750	-20.0000	-51.7678 **	-49.2431 **
4677.7500	-20.0000	-50.0139 **	-48.6860 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

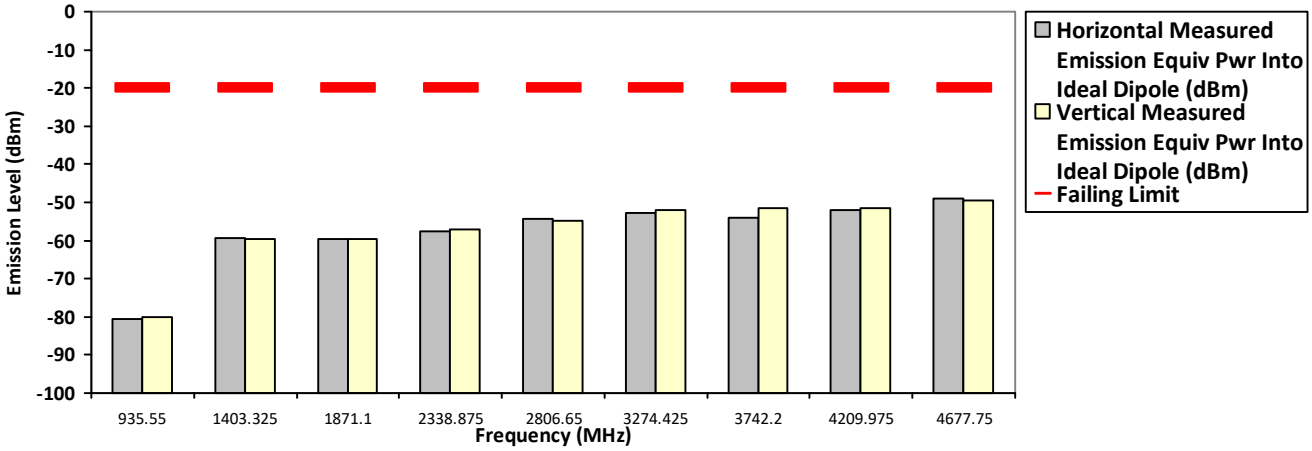
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

467.775000 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-80.5552 **	-80.1224 **
1403.3250	-20.0000	-59.3083 **	-59.6701 **
1871.1000	-20.0000	-59.5728 **	-59.7115 **
2338.8750	-20.0000	-57.6335 **	-57.0665 **
2806.6500	-20.0000	-54.3196 **	-54.7801 **
3274.4250	-20.0000	-52.8722 **	-52.0925 **
3742.2000	-20.0000	-54.0744 **	-51.4871 **
4209.9750	-20.0000	-51.9926 **	-51.4322 **
4677.7500	-20.0000	-49.0081 **	-49.4618 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

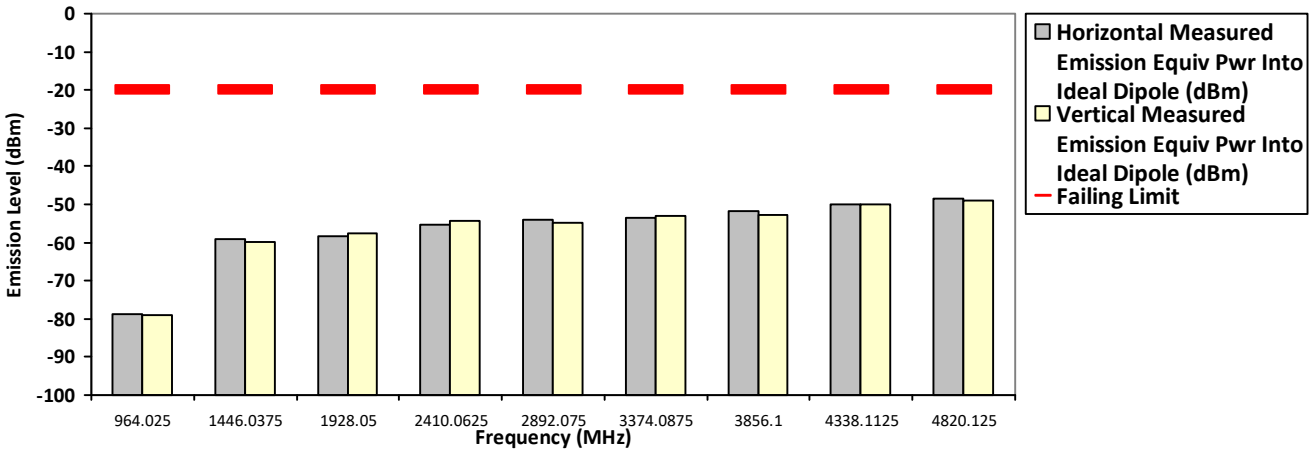
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

482.012500 MHz **12.5 kHz** **54.000 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)
964.0250	-20.0000	-78.7846 **	-79.0641 **
1446.0375	-20.0000	-59.1256 **	-59.7756 **
1928.0500	-20.0000	-58.3513 **	-57.6402 **
2410.0625	-20.0000	-55.4018 **	-54.1749 **
2892.0750	-20.0000	-54.1613 **	-54.9191 **
3374.0875	-20.0000	-53.4937 **	-52.9666 **
3856.1000	-20.0000	-51.7917 **	-52.7825 **
4338.1125	-20.0000	-49.9499 **	-50.0750 **
4820.1250	-20.0000	-48.4104 **	-49.0997 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

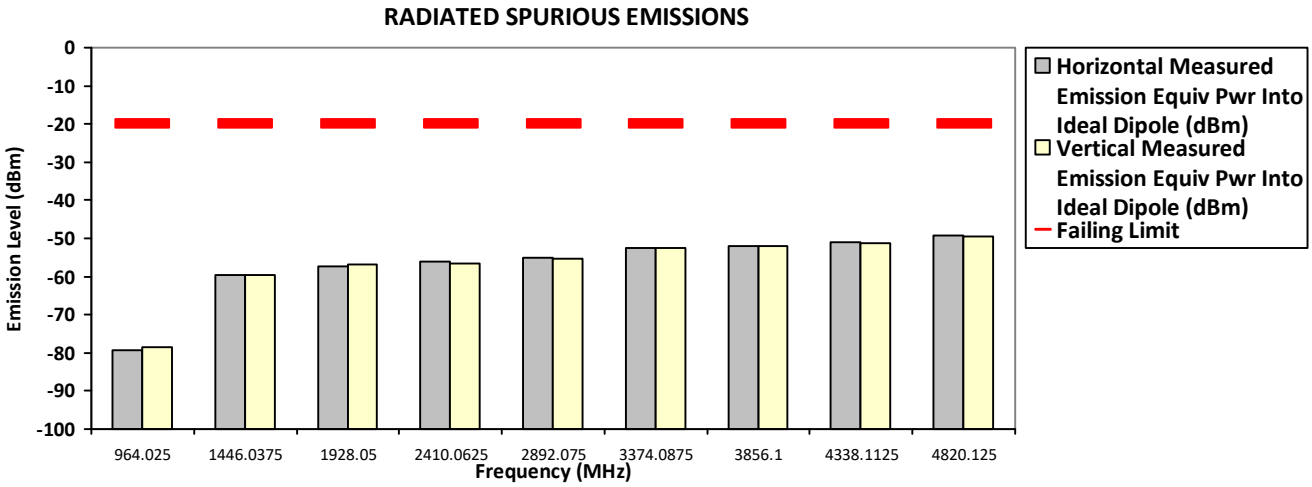
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

482.012500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-79.2994 **	-78.6357 **
1446.0375	-20.0000	-59.5145 **	-59.6331 **
1928.0500	-20.0000	-57.3069 **	-56.8480 **
2410.0625	-20.0000	-56.0881 **	-56.5929 **
2892.0750	-20.0000	-55.0635 **	-55.2635 **
3374.0875	-20.0000	-52.6402 **	-52.5601 **
3856.1000	-20.0000	-51.9475 **	-52.0938 **
4338.1125	-20.0000	-51.1039 **	-51.2288 **
4820.1250	-20.0000	-49.1194 **	-49.6196 **



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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

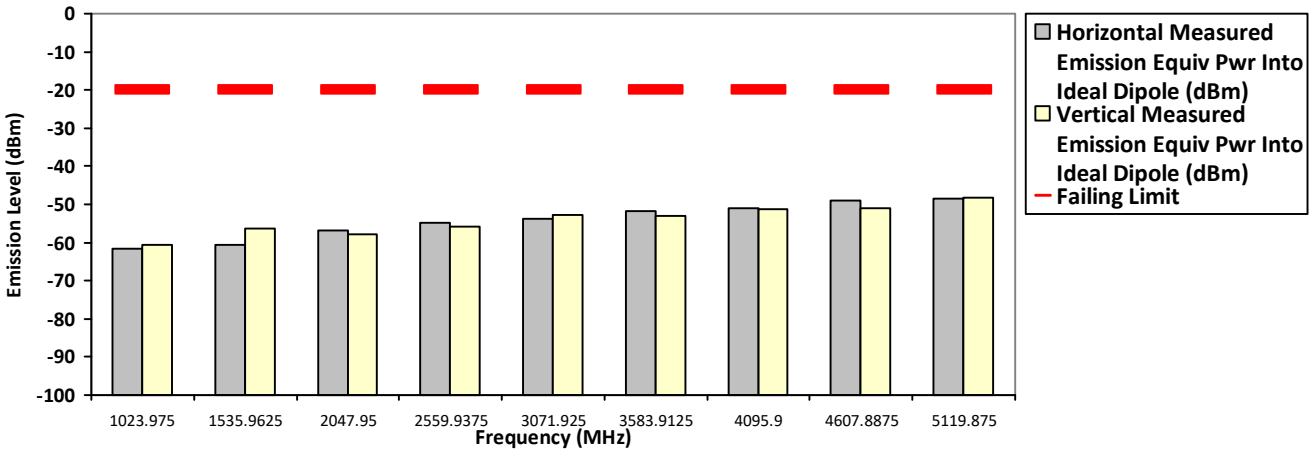
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

511.987500 MHz **12.5 kHz** **48.000 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)
1023.9750	-20.0000	-61.6649 **	-60.5164 **
1535.9625	-20.0000	-60.5196 **	-56.3439 **
2047.9500	-20.0000	-56.7556 **	-57.9169 **
2559.9375	-20.0000	-54.8081 **	-55.8366 **
3071.9250	-20.0000	-53.7190 **	-52.8227 **
3583.9125	-20.0000	-51.6671 **	-53.0872 **
4095.9000	-20.0000	-51.0351 **	-51.2499 **
4607.8875	-20.0000	-49.0228 **	-51.0567 **
5119.8750	-20.0000	-48.5189 **	-48.1285 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

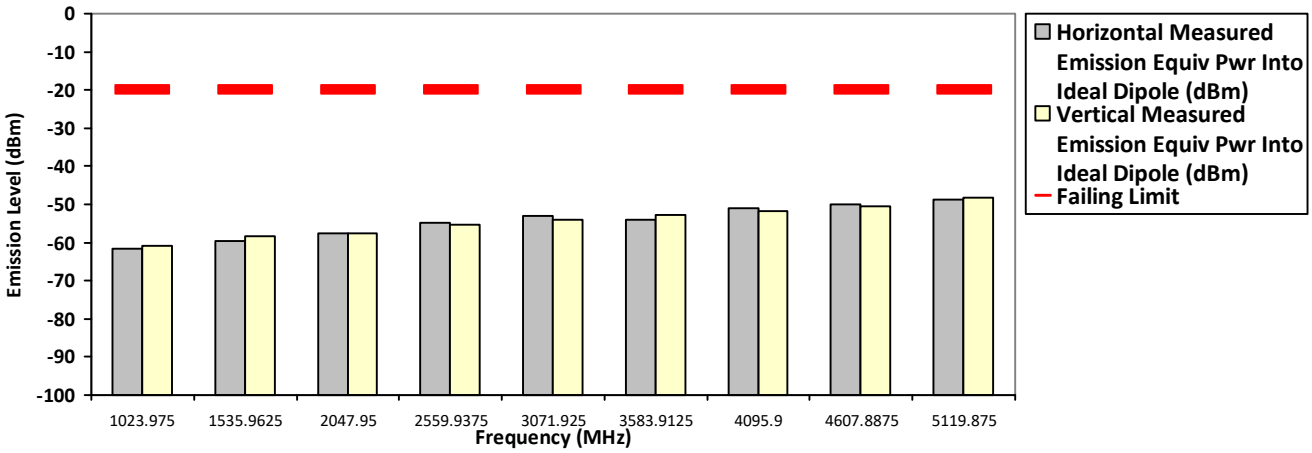
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

511.987500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-61.5911 **	-60.9651 **
1535.9625	-20.0000	-59.5481 **	-58.2649 **
2047.9500	-20.0000	-57.6749 **	-57.5153 **
2559.9375	-20.0000	-54.7799 **	-55.2016 **
3071.9250	-20.0000	-53.0822 **	-53.9702 **
3583.9125	-20.0000	-54.0671 **	-52.8182 **
4095.9000	-20.0000	-51.1141 **	-51.6892 **
4607.8875	-20.0000	-49.9895 **	-50.4689 **
5119.8750	-20.0000	-48.7930 **	-48.3259 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

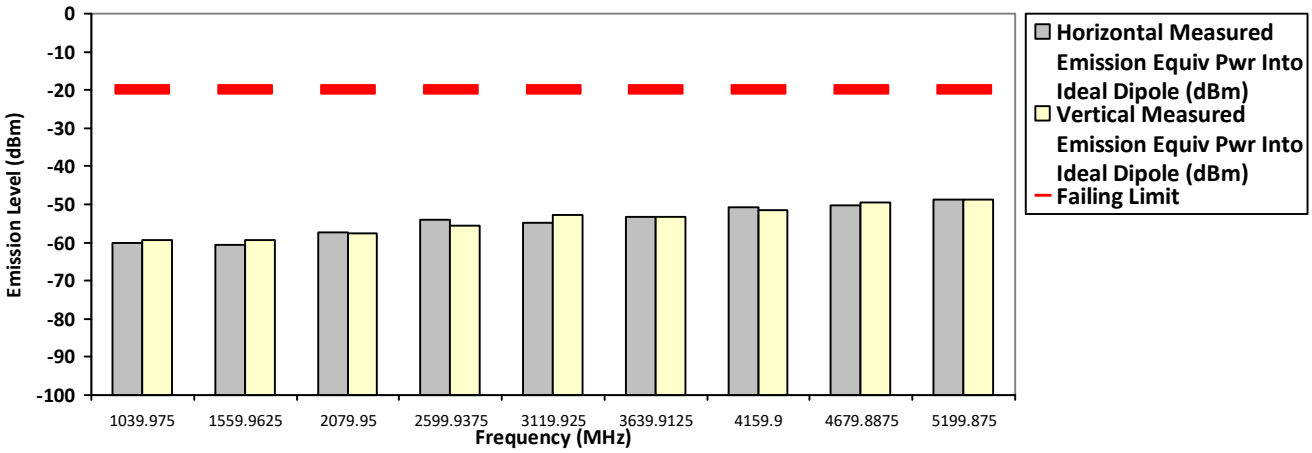
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

519.987500 MHz **12.5 kHz** **30.000 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)
1039.9750	-20.0000	-60.0525 **	-59.3201 **
1559.9625	-20.0000	-60.5413 **	-59.4106 **
2079.9500	-20.0000	-57.4214 **	-57.4526 **
2599.9375	-20.0000	-54.1092 **	-55.5287 **
3119.9250	-20.0000	-54.7108 **	-52.7430 **
3639.9125	-20.0000	-53.3185 **	-53.3570 **
4159.9000	-20.0000	-50.6681 **	-51.4701 **
4679.8875	-20.0000	-50.3002 **	-49.6163 **
5199.8750	-20.0000	-48.7469 **	-48.8355 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

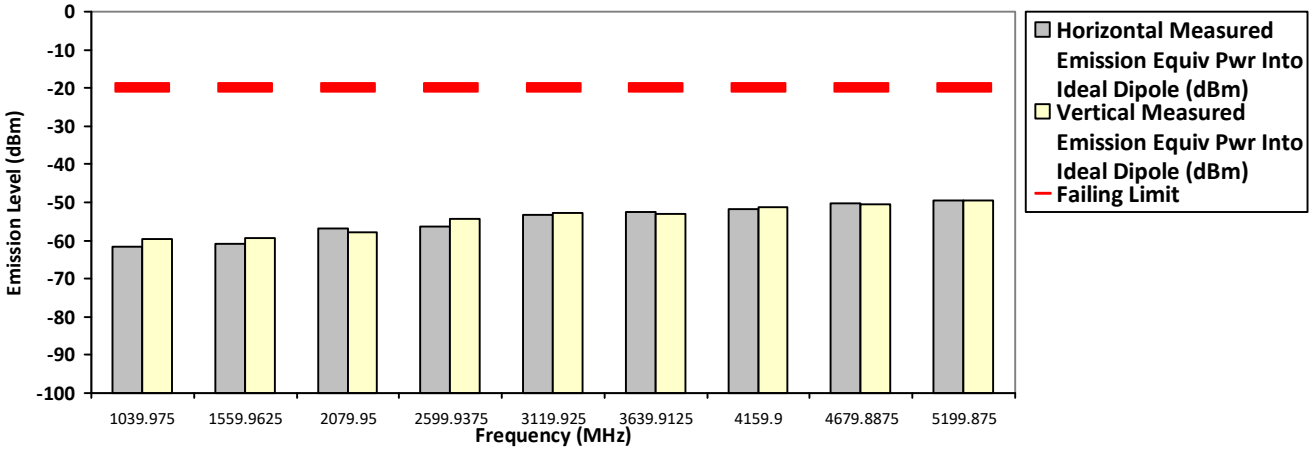
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Digital C4FM

519.987500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-61.5709 **	-59.5243 **
1559.9625	-20.0000	-60.8972 **	-59.4159 **
2079.9500	-20.0000	-56.8543 **	-57.8392 **
2599.9375	-20.0000	-56.4023 **	-54.3833 **
3119.9250	-20.0000	-53.2529 **	-52.7344 **
3639.9125	-20.0000	-52.5592 **	-53.0383 **
4159.9000	-20.0000	-51.6507 **	-51.3540 **
4679.8875	-20.0000	-50.2255 **	-50.4826 **
5199.8750	-20.0000	-49.3887 **	-49.5222 **

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 : Amaluddin&Nazrin **Mon, 1 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

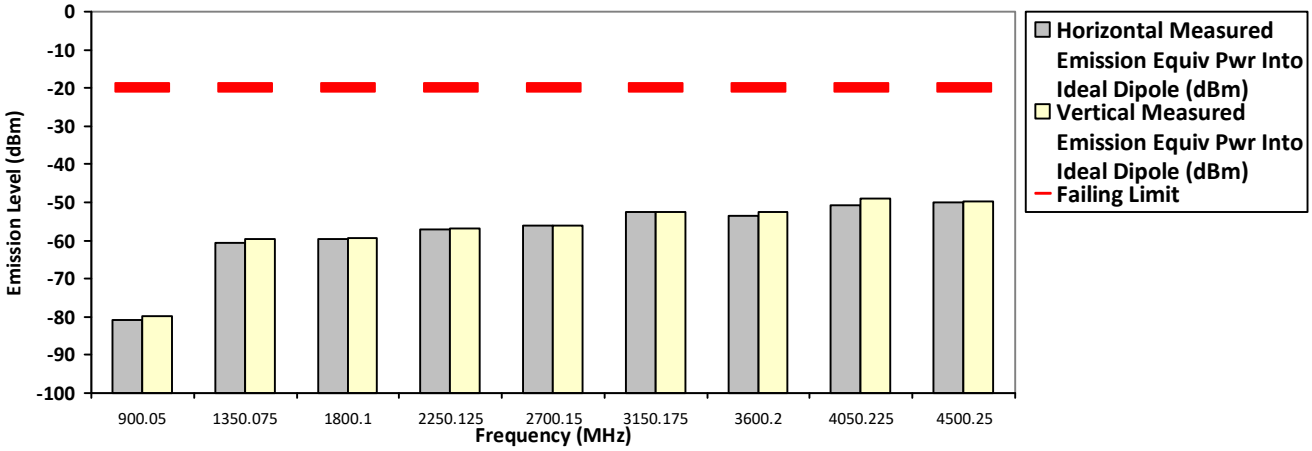
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

450.025000 MHz **12.5 kHz** **54.000 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)
900.0500	-20.0000	-80.8347 **	-79.7783 **
1350.0750	-20.0000	-60.5199 **	-59.6731 **
1800.1000	-20.0000	-59.5735 **	-59.3936 **
2250.1250	-20.0000	-57.0043 **	-56.7160 **
2700.1500	-20.0000	-56.1409 **	-56.0846 **
3150.1750	-20.0000	-52.4192 **	-52.4877 **
3600.2000	-20.0000	-53.4434 **	-52.6284 **
4050.2250	-20.0000	-50.7688 **	-49.0928 **
4500.2500	-20.0000	-49.9507 **	-49.6517 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

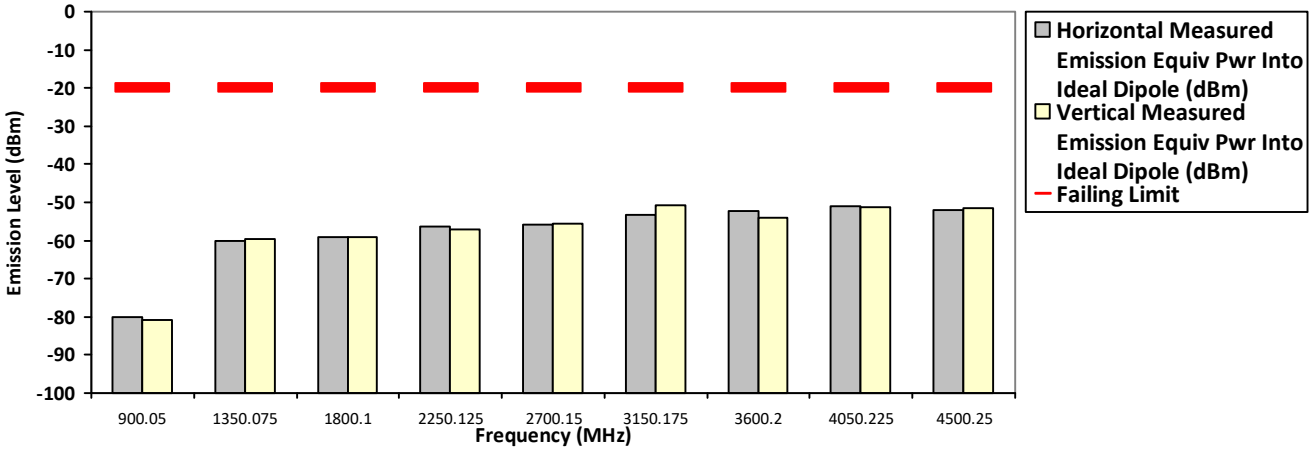
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

450.025000 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-80.0144 **	-80.6886 **
1350.0750	-20.0000	-60.0130 **	-59.7174 **
1800.1000	-20.0000	-59.2071 **	-59.0825 **
2250.1250	-20.0000	-56.3023 **	-57.0648 **
2700.1500	-20.0000	-55.7002 **	-55.5445 **
3150.1750	-20.0000	-53.2017 **	-50.8741 **
3600.2000	-20.0000	-52.3750 **	-54.1563 **
4050.2250	-20.0000	-50.9756 **	-51.1950 **
4500.2500	-20.0000	-52.0118 **	-51.4571 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

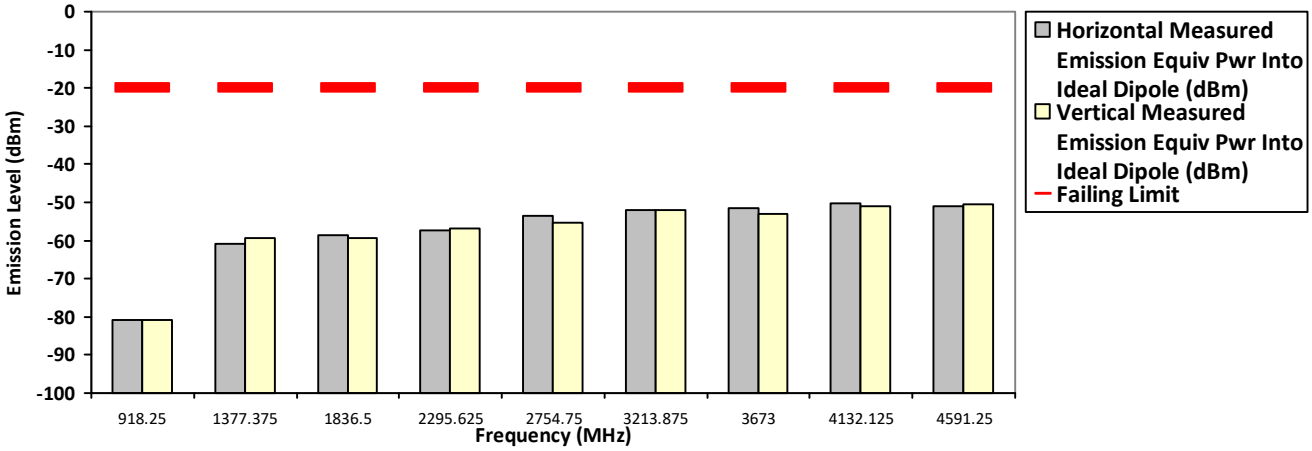
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

459.125000 MHz **12.5 kHz** **54.000 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)
918.2500	-20.0000	-80.8083 **	-80.7118 **
1377.3750	-20.0000	-60.7420 **	-59.3817 **
1836.5000	-20.0000	-58.4855 **	-59.3709 **
2295.6250	-20.0000	-57.2413 **	-56.8336 **
2754.7500	-20.0000	-53.6444 **	-55.2122 **
3213.8750	-20.0000	-52.1210 **	-51.9188 **
3673.0000	-20.0000	-51.6183 **	-52.9489 **
4132.1250	-20.0000	-50.1446 **	-50.9255 **
4591.2500	-20.0000	-50.9607 **	-50.5581 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

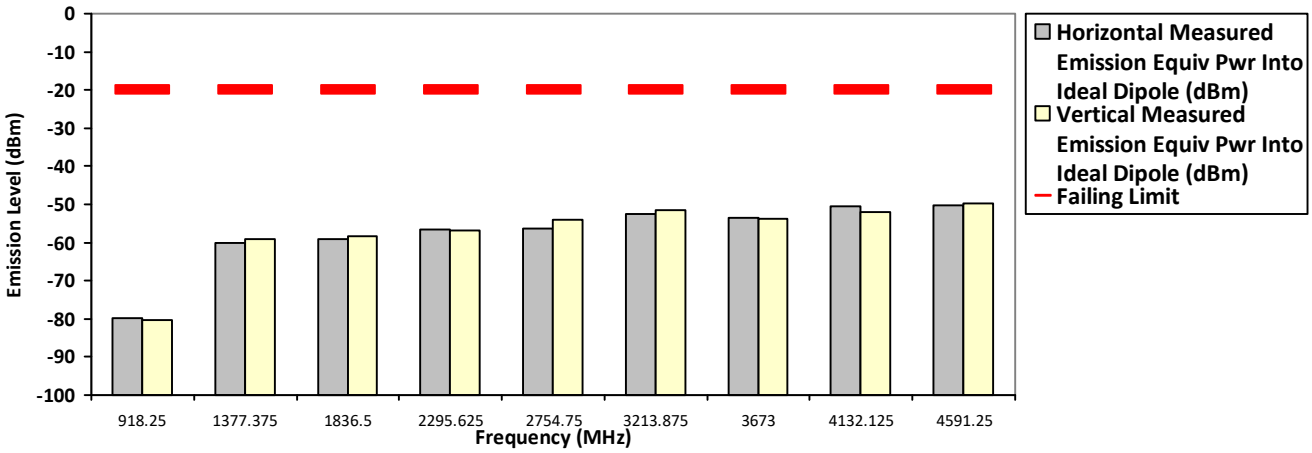
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

459.125000 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-79.7900 **	-80.2717 **
1377.3750	-20.0000	-60.0227 **	-59.0723 **
1836.5000	-20.0000	-59.1483 **	-58.3003 **
2295.6250	-20.0000	-56.5367 **	-56.7641 **
2754.7500	-20.0000	-56.3487 **	-53.9790 **
3213.8750	-20.0000	-52.5958 **	-51.6360 **
3673.0000	-20.0000	-53.4839 **	-53.7000 **
4132.1250	-20.0000	-50.5008 **	-52.0685 **
4591.2500	-20.0000	-50.3085 **	-49.8713 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

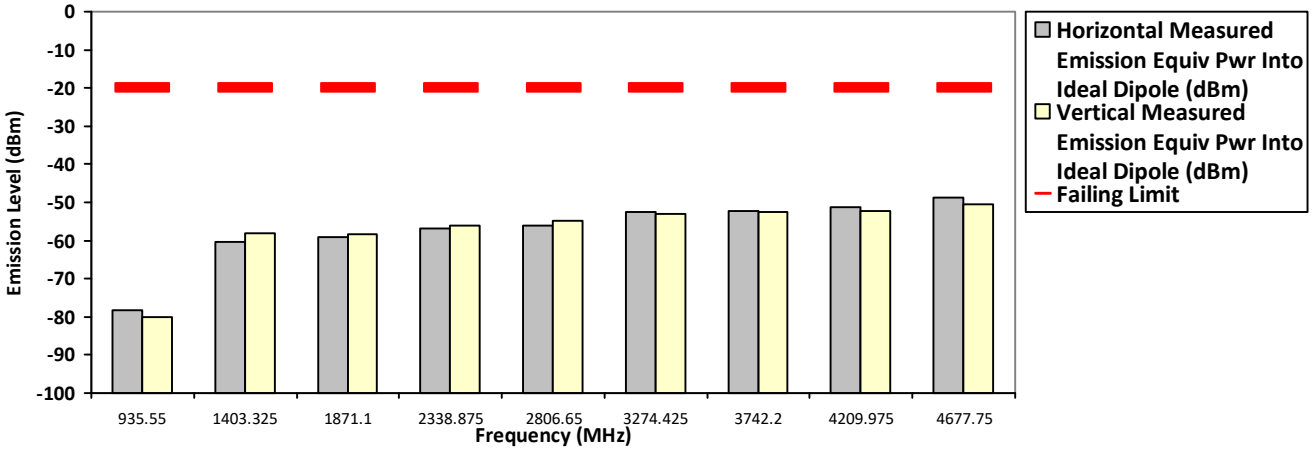
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

467.775000 MHz **12.5 kHz** **54.000 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)
935.5500	-20.0000	-78.3037 **	-80.0542 **
1403.3250	-20.0000	-60.3477 **	-57.9656 **
1871.1000	-20.0000	-59.1650 **	-58.3796 **
2338.8750	-20.0000	-56.8127 **	-56.1158 **
2806.6500	-20.0000	-56.0075 **	-54.8002 **
3274.4250	-20.0000	-52.5862 **	-53.0694 **
3742.2000	-20.0000	-52.1519 **	-52.5644 **
4209.9750	-20.0000	-51.2490 **	-52.3251 **
4677.7500	-20.0000	-48.7296 **	-50.4665 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

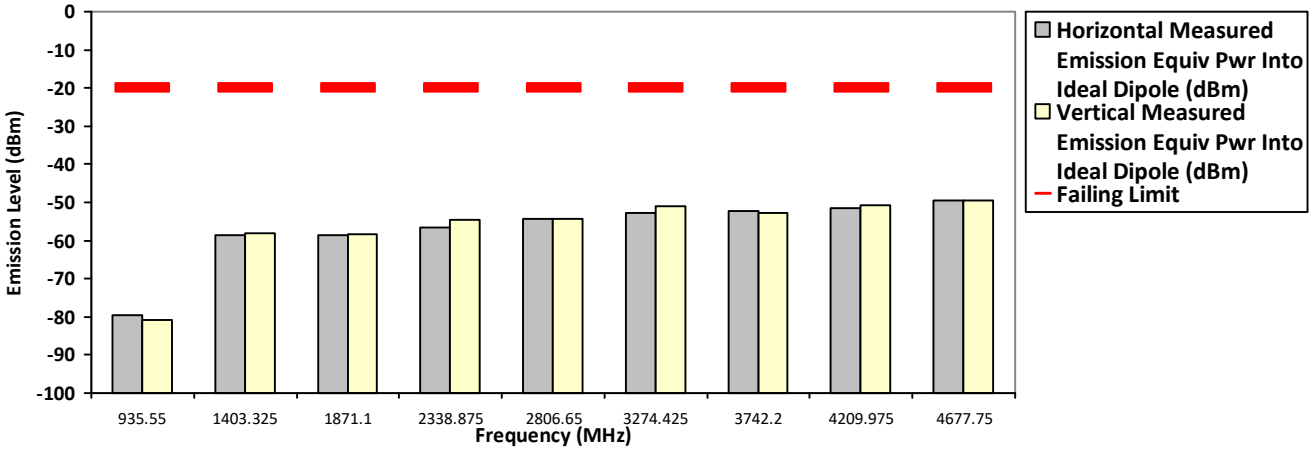
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

467.775000 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-79.4550 **	-80.6979 **
1403.3250	-20.0000	-58.5395 **	-57.9675 **
1871.1000	-20.0000	-58.6729 **	-58.3657 **
2338.8750	-20.0000	-56.5555 **	-54.6264 **
2806.6500	-20.0000	-54.2120 **	-54.2556 **
3274.4250	-20.0000	-52.7904 **	-51.0794 **
3742.2000	-20.0000	-52.2692 **	-52.8463 **
4209.9750	-20.0000	-51.5081 **	-50.8551 **
4677.7500	-20.0000	-49.4831 **	-49.5343 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

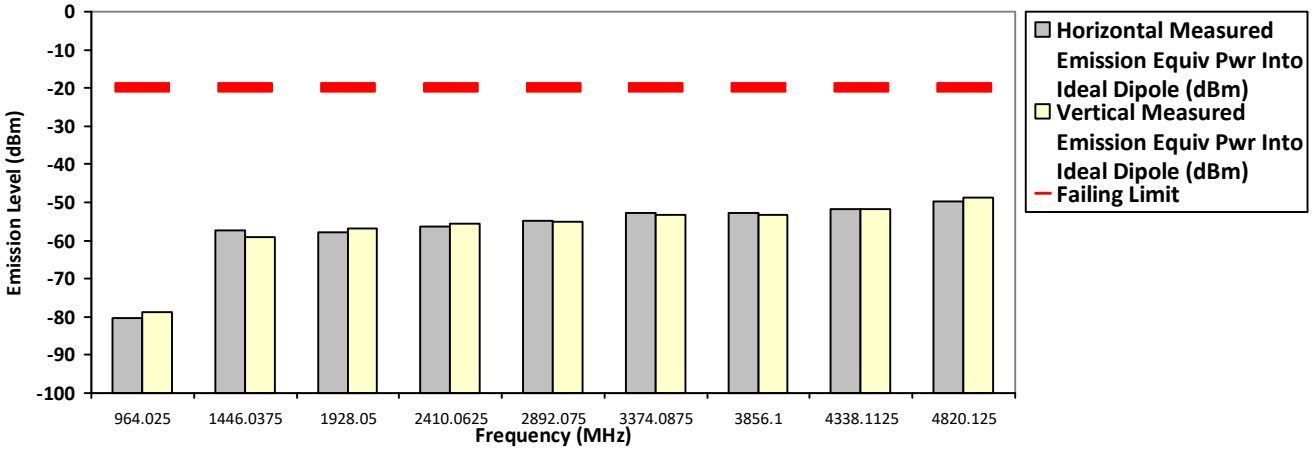
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

482.012500 MHz **12.5 kHz** **54.000 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)
964.0250	-20.0000	-80.2371 **	-78.8103 **
1446.0375	-20.0000	-57.3473 **	-59.0241 **
1928.0500	-20.0000	-57.7929 **	-56.7394 **
2410.0625	-20.0000	-56.2537 **	-55.5147 **
2892.0750	-20.0000	-54.8249 **	-55.0018 **
3374.0875	-20.0000	-52.8072 **	-53.3330 **
3856.1000	-20.0000	-52.8081 **	-53.3407 **
4338.1125	-20.0000	-51.7271 **	-51.7904 **
4820.1250	-20.0000	-49.7968 **	-48.8011 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

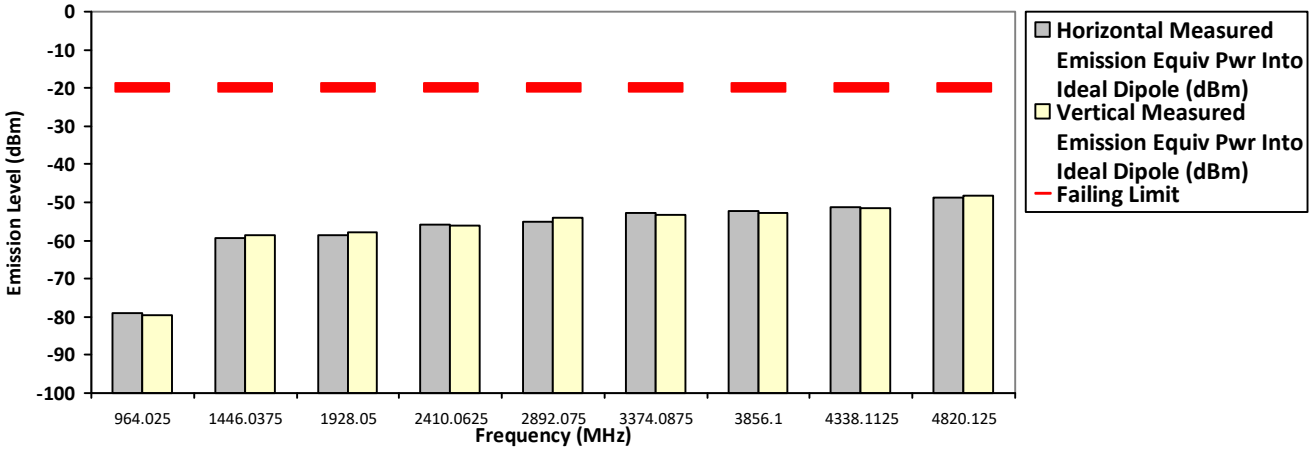
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

482.012500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-79.1581 **	-79.4569 **
1446.0375	-20.0000	-59.4171 **	-58.6419 **
1928.0500	-20.0000	-58.4659 **	-57.7204 **
2410.0625	-20.0000	-55.8840 **	-56.1210 **
2892.0750	-20.0000	-55.0175 **	-53.9824 **
3374.0875	-20.0000	-52.7088 **	-53.1750 **
3856.1000	-20.0000	-52.2674 **	-52.8683 **
4338.1125	-20.0000	-51.1873 **	-51.5311 **
4820.1250	-20.0000	-48.8548 **	-48.2798 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

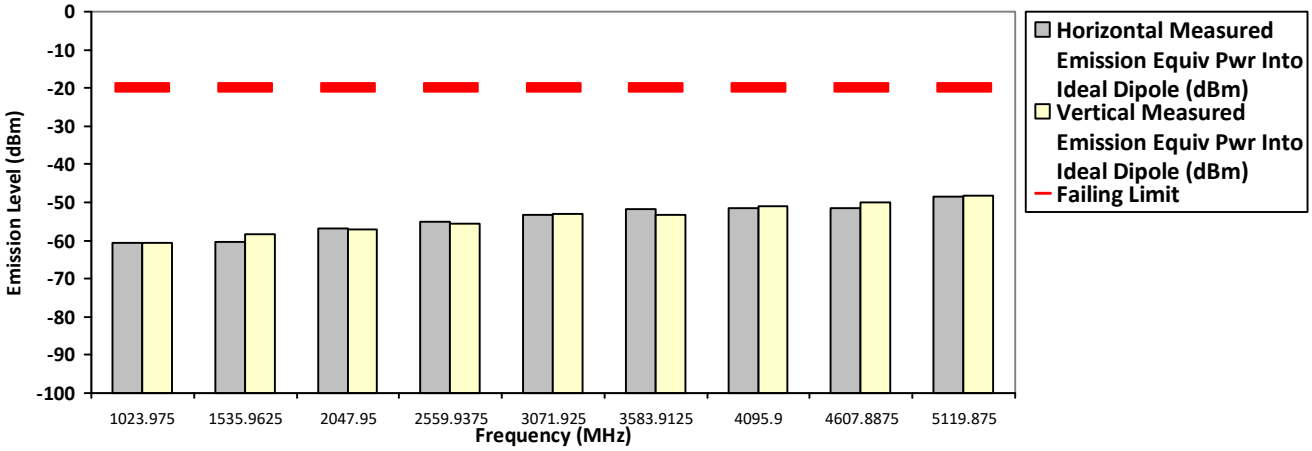
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

511.987500 MHz **12.5 kHz** **48.000 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)
1023.9750	-20.0000	-60.6693 **	-60.6197 **
1535.9625	-20.0000	-60.3493 **	-58.3637 **
2047.9500	-20.0000	-56.6958 **	-57.0243 **
2559.9375	-20.0000	-55.0761 **	-55.4497 **
3071.9250	-20.0000	-53.3809 **	-53.0091 **
3583.9125	-20.0000	-51.8530 **	-53.1949 **
4095.9000	-20.0000	-51.5970 **	-51.0994 **
4607.8875	-20.0000	-51.4974 **	-49.9602 **
5119.8750	-20.0000	-48.4034 **	-48.2115 **

RADIATED SPURIOUS EMISSIONS



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Motorola Penang EMC Lab - Test Performed by : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

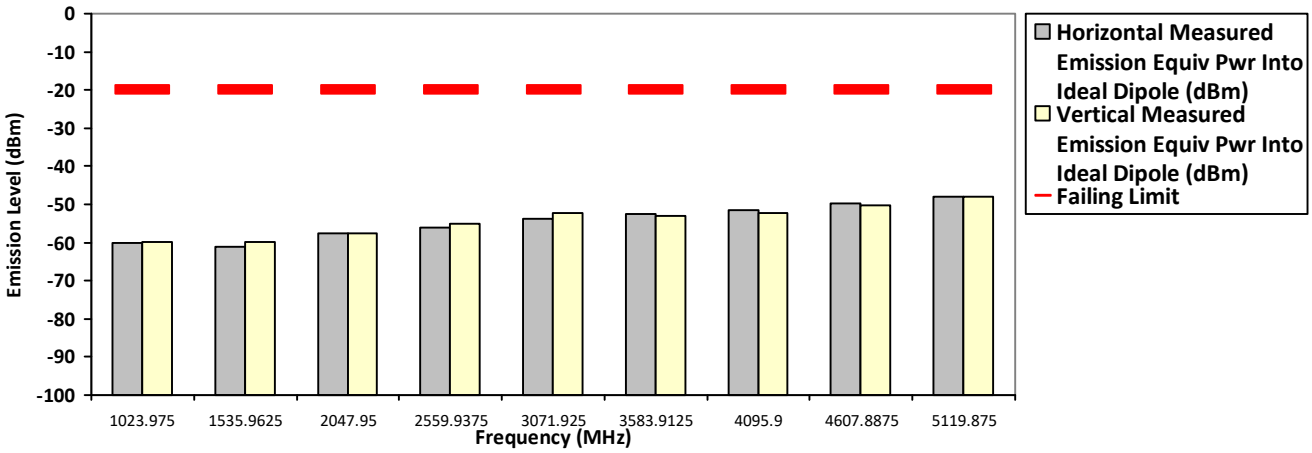
Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

511.987500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-60.2043 **	-59.8835 **
1535.9625	-20.0000	-61.1182 **	-59.9015 **
2047.9500	-20.0000	-57.5137 **	-57.6086 **
2559.9375	-20.0000	-56.0239 **	-54.9887 **
3071.9250	-20.0000	-53.7497 **	-52.2058 **
3583.9125	-20.0000	-52.4552 **	-53.0371 **
4095.9000	-20.0000	-51.4896 **	-52.3295 **
4607.8875	-20.0000	-49.7599 **	-50.3601 **
5119.8750	-20.0000	-48.0300 **	-47.9671 **

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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

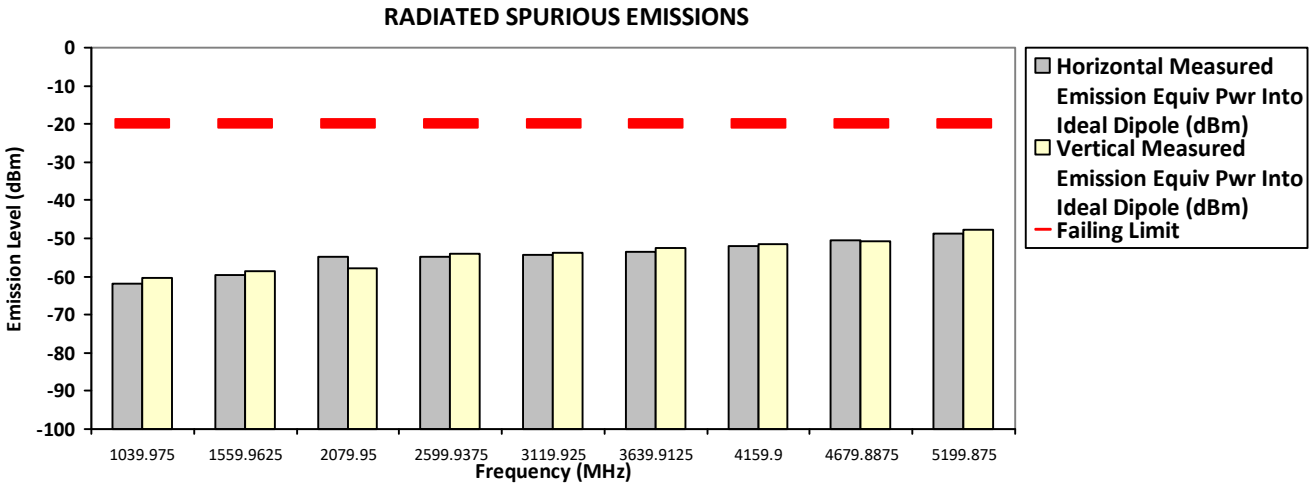
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

519.987500 MHz **12.5 kHz** **30.000 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)
1039.9750	-20.0000	-61.9554 **	-60.2332 **
1559.9625	-20.0000	-59.4774 **	-58.7002 **
2079.9500	-20.0000	-54.9042 **	-57.8059 **
2599.9375	-20.0000	-54.9034 **	-53.9971 **
3119.9250	-20.0000	-54.1999 **	-53.6763 **
3639.9125	-20.0000	-53.5086 **	-52.4815 **
4159.9000	-20.0000	-51.9377 **	-51.4449 **
4679.8875	-20.0000	-50.5799 **	-50.6525 **
5199.8750	-20.0000	-48.8191 **	-47.7748 **



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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

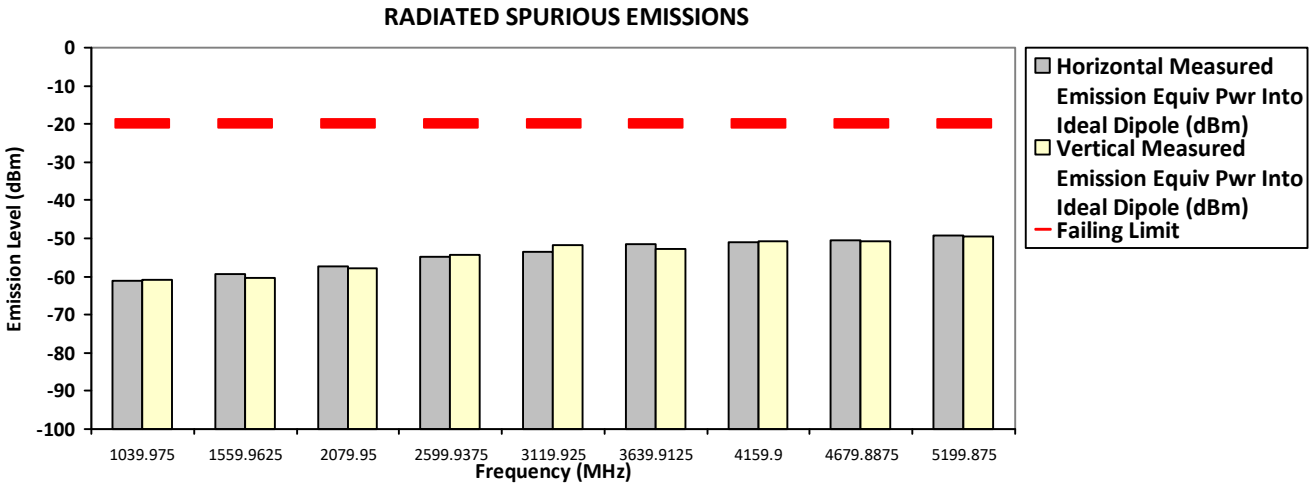
Model Number: M25SSS9PW1BN **S/N: 471TXD0193** **SR:25038-EMC-00009**

Battery Part No: NA **Accy Part No: HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3**

Test Mode: TX APCO Phase II

519.987500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-61.1716 **	-60.9743 **
1559.9625	-20.0000	-59.4347 **	-60.2921 **
2079.9500	-20.0000	-57.3832 **	-57.7374 **
2599.9375	-20.0000	-54.7353 **	-54.2398 **
3119.9250	-20.0000	-53.5711 **	-51.7600 **
3639.9125	-20.0000	-51.4006 **	-52.7427 **
4159.9000	-20.0000	-51.1069 **	-50.7466 **
4679.8875	-20.0000	-50.4076 **	-50.7050 **
5199.8750	-20.0000	-49.3536 **	-49.5556 **



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 : Amaluddin&Qawiman **Tue, 2 Mar, 2021**

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

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

Temp(Deg): 23.5 Hum(%RH): 68.5

System MU: 4.03 dB

Remarks:

Passed Results	**Marginal Results**	**Failed Results**

6.11.4. Test Limit

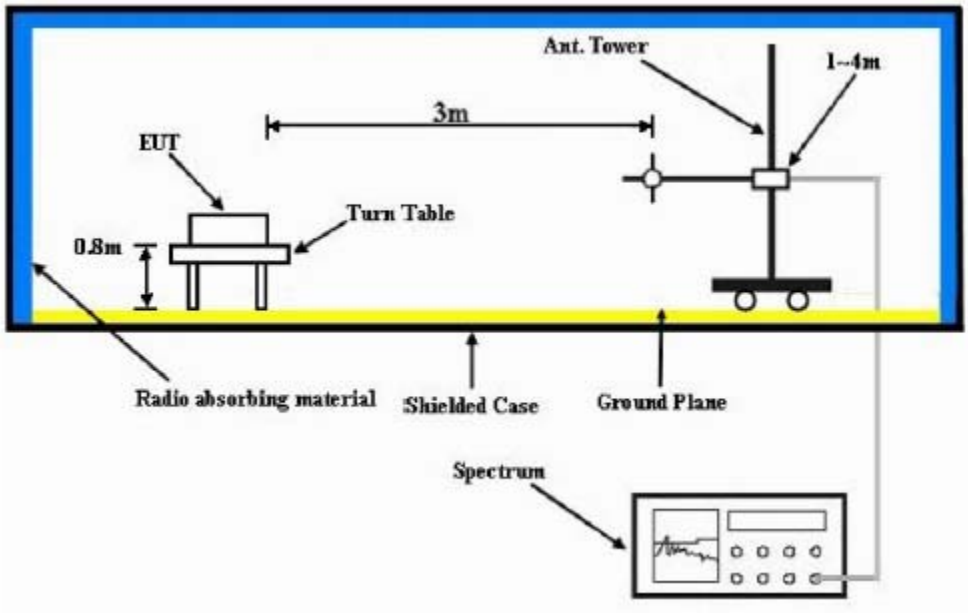
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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 (for Fc < 1GHz) or 1.5m (for Fc > 1GHz) 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

S/N: 471TXD0203 Tx Measured Conducted Power: 0.996 Watts
Channel Spacing : 25 kHz Modulation: Analog
Accessory:
RAE4014ARB, HMN4079G-CF1, HSN4040A-C3, 1187-HKN6188B-1, HKN4191B-C1, 3466-HKN6163C-6, PMHN4194C-CF18, PMUN1057B-CF6, PMUN1083A-C3, HKN6164B-C3

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)	ERP (Watts)	Limit (Watts)	Result
Vert.	467.7750	31.75	29.60	0.912	2	PASS

6.12.3. Test Limit

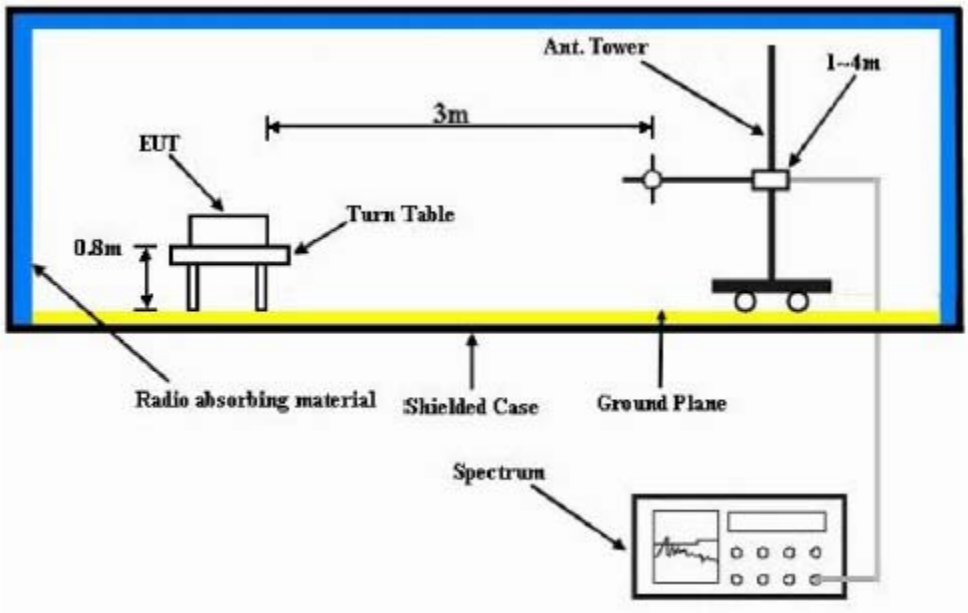
Part 80.215(e)

The maximum power for on board stations 456-468MHz must not exceed 4W*

*Certification based on a carrier power of 4 watts with transmitter connected to a dummy load of matching impedance. The effective radiated power must not exceed 2 watts

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.

6.13.1. Test Result

Not Applicable

6.13.2. 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 Test Report ~