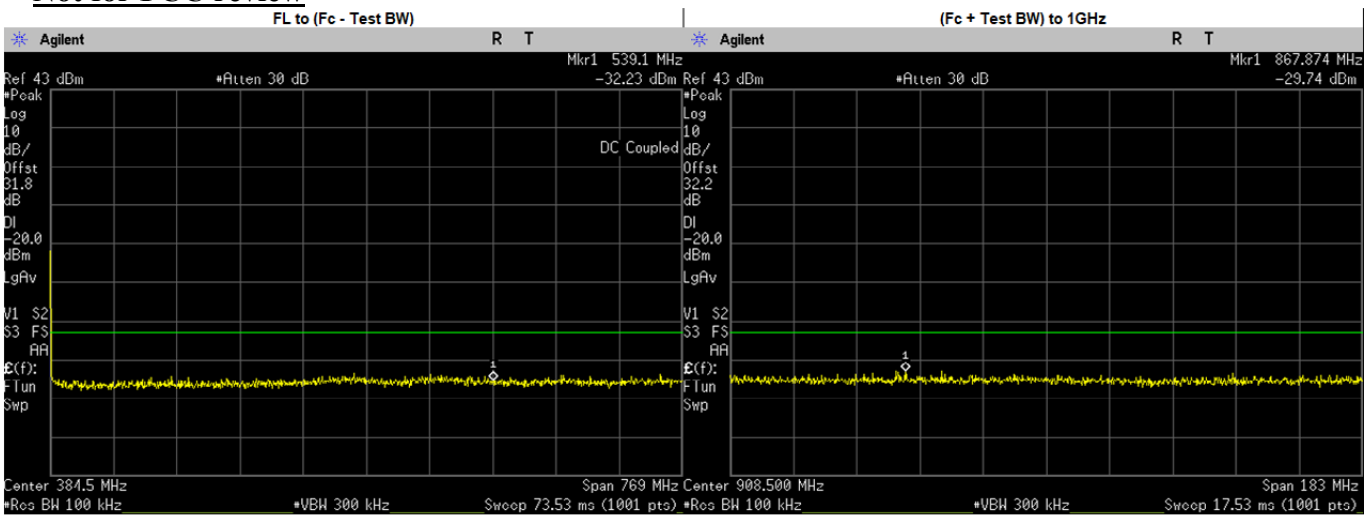
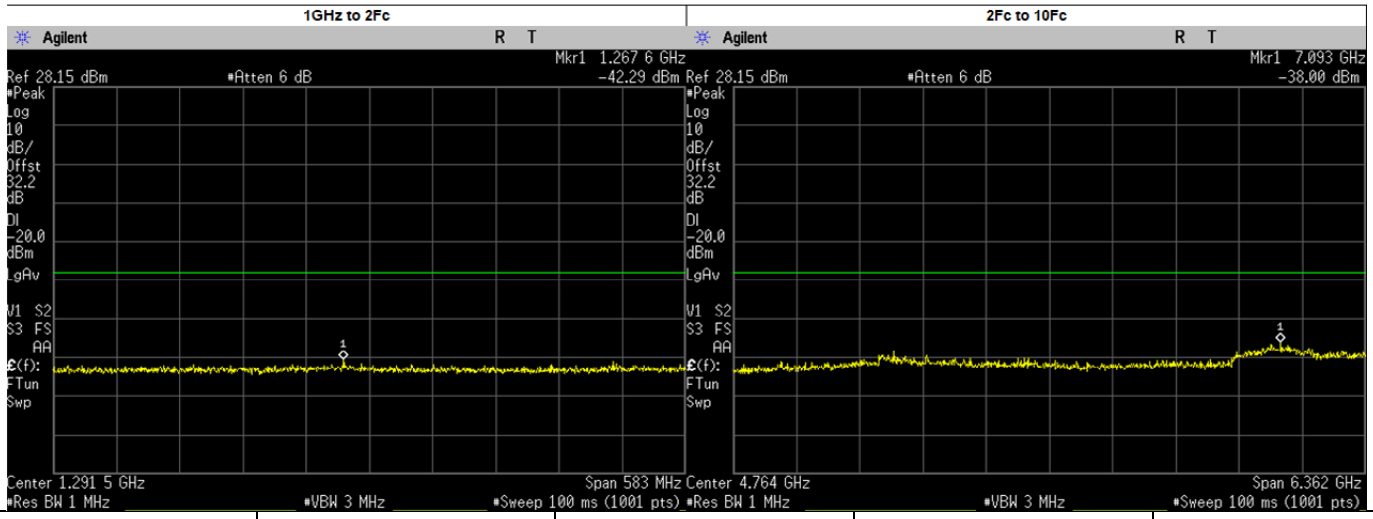
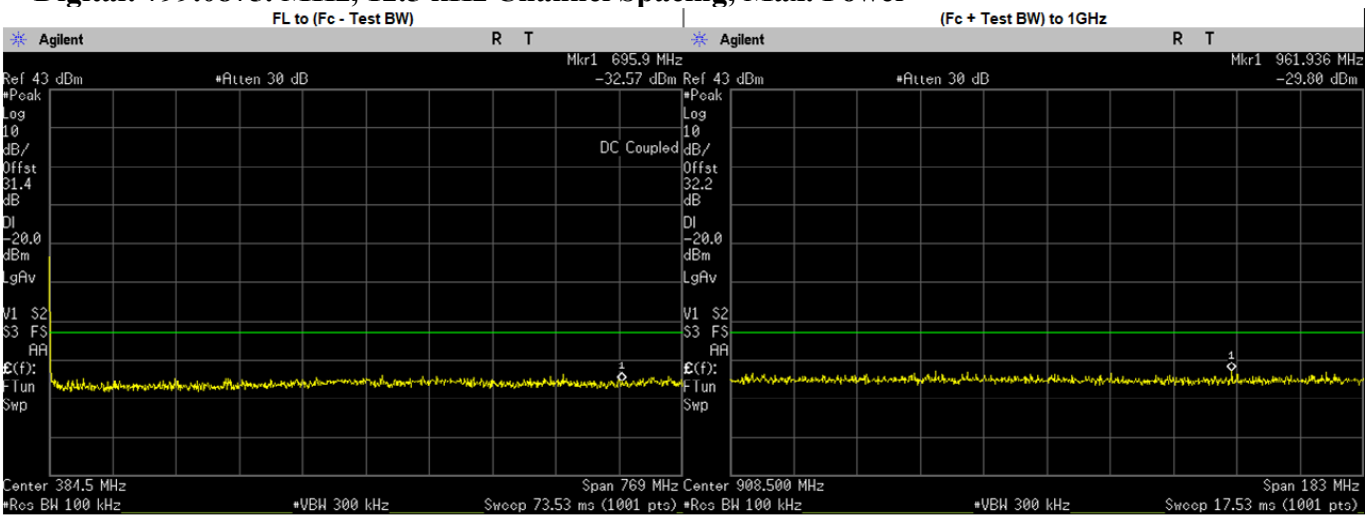
Digital: 794.0125. MHz, 12.5 kHz Channel Spacing, Low. Power
Not for FCC review

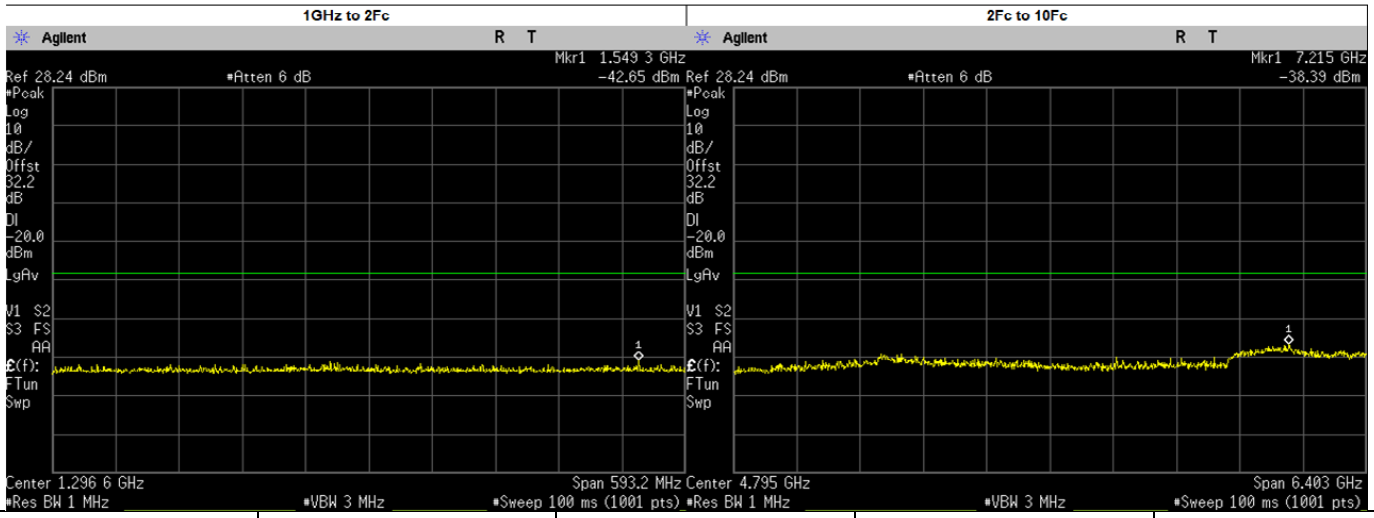




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	539.1000	-32.2280	-20.00	PASS
(Fc + Test BW) to 1GHz	867.8740	-29.7400	-20.00	PASS
1GHz to 2Fc	1267.6090	-42.3000	-20.00	PASS
2Fc to 10Fc	7093.0000	-38.0000	-20.00	PASS
	2382.0370	-44.1724	-20.00	PASS
	3176.0500	-42.2891	-20.00	PASS
	3970.0620	-43.7562	-20.00	PASS
	4764.0750	-43.8440	-20.00	PASS
	5558.0870	-44.1033	-20.00	PASS
	6352.1000	-43.6443	-20.00	PASS
	7940.1250	-41.1750	-20.00	PASS
	7092.6040	-38.0000	-20.00	PASS
	7146.1130	-39.4732	-20.00	PASS

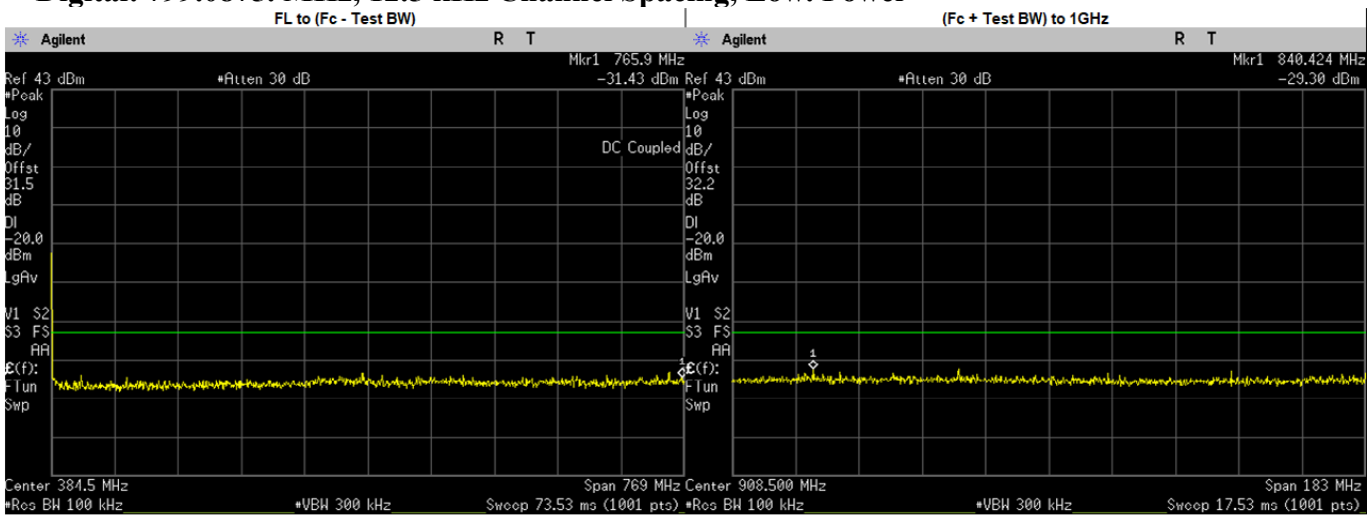
Digital: 799.0875. MHz, 12.5 kHz Channel Spacing, Max. Power

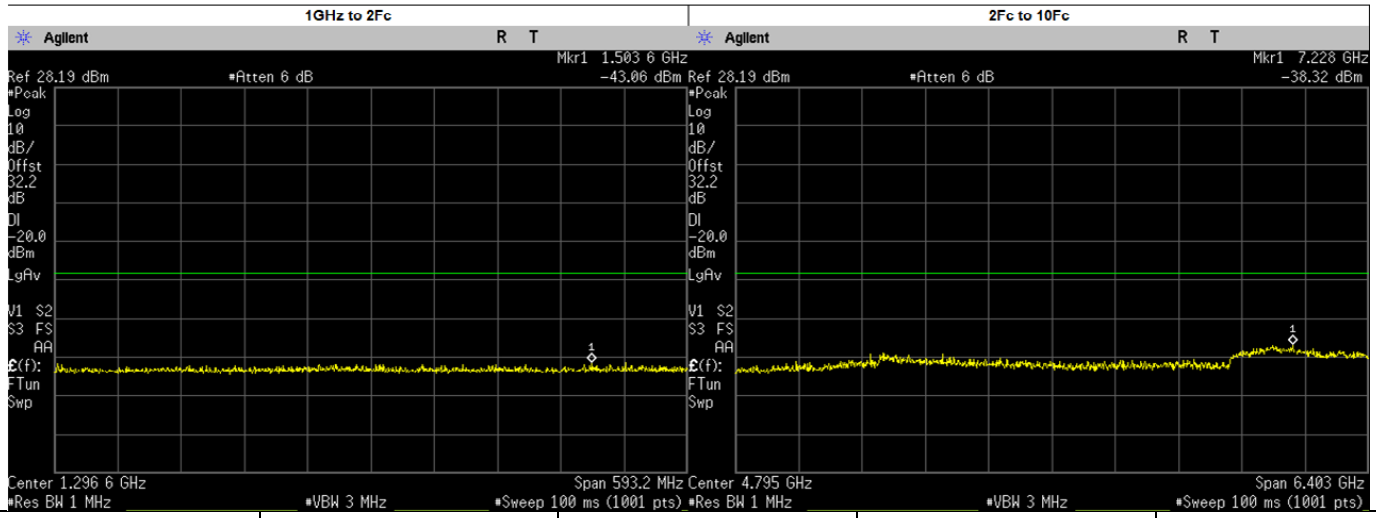




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	695.9000	-32.5700	-20.00	PASS
(Fc + Test BW) to 1GHz	961.9360	-29.8000	-20.00	PASS
1GHz to 2Fc	1549.2800	-42.6500	-20.00	PASS
2Fc to 10Fc	7215.0000	-38.3900	-20.00	PASS
	2397.2620	-44.2653	-20.00	PASS
	3196.3500	-42.0403	-20.00	PASS
	3995.4370	-42.9236	-20.00	PASS
	4794.5250	-43.9630	-20.00	PASS
	5593.6130	-44.1854	-20.00	PASS
	6392.7000	-43.8704	-20.00	PASS
	7191.7880	-40.0509	-20.00	PASS
	7990.8750	-40.9552	-20.00	PASS
	7214.7460	-38.3900	-20.00	PASS

Digital: 799.0875. MHz, 12.5 kHz Channel Spacing, Low. Power

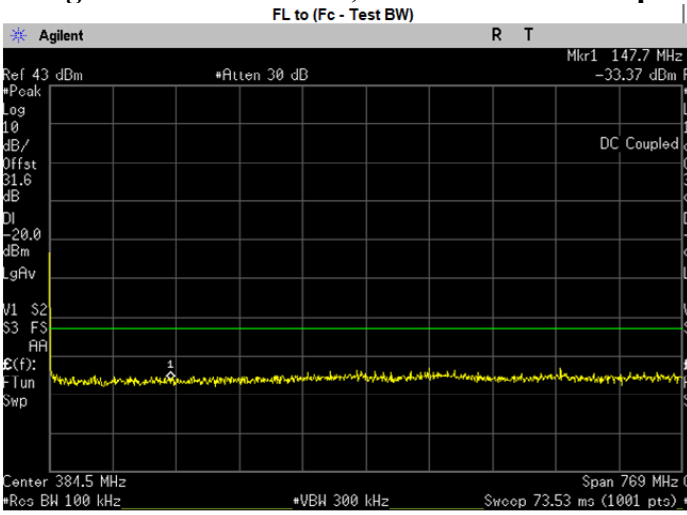




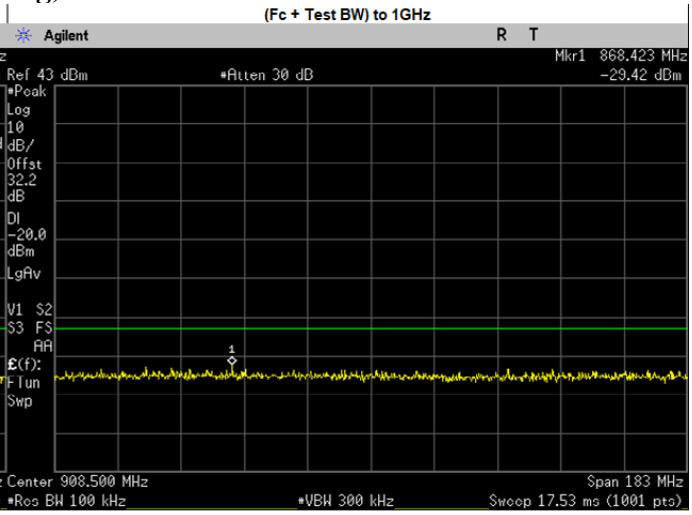
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	765.9000	-31.4300	-20.00	PASS
(Fc + Test BW) to 1GHz	840.4240	-29.3000	-20.00	PASS
1GHz to 2Fc	1503.6060	-43.0600	-20.00	PASS
2Fc to 10Fc	7228.0000	-38.3200	-20.00	PASS
	2397.2620	-44.5501	-20.00	PASS
	3196.3500	-42.7130	-20.00	PASS
	3995.4370	-43.2540	-20.00	PASS
	4794.5250	-43.7540	-20.00	PASS
	5593.6130	-44.1241	-20.00	PASS
	6392.7000	-44.1655	-20.00	PASS
	7990.8750	-42.0308	-20.00	PASS
	7227.5510	-38.3200	-20.00	PASS
	7191.7880	-39.9363	-20.00	PASS

Digital: 804.9125. MHz, 12.5 kHz Channel Spacing, Max. Power

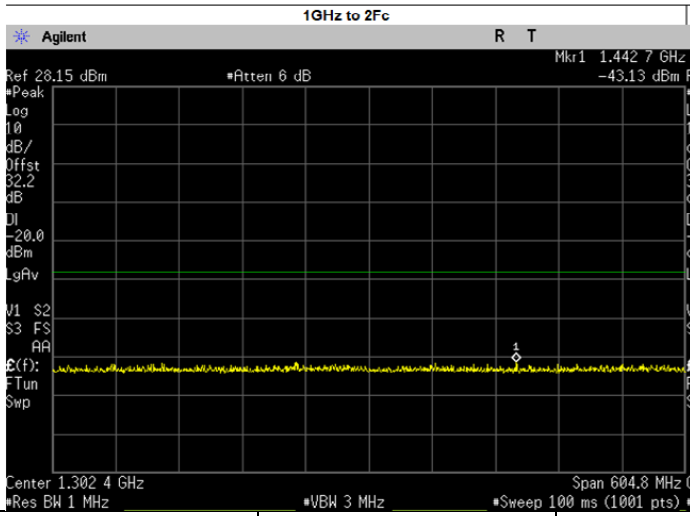
FL to (Fc - Test BW)



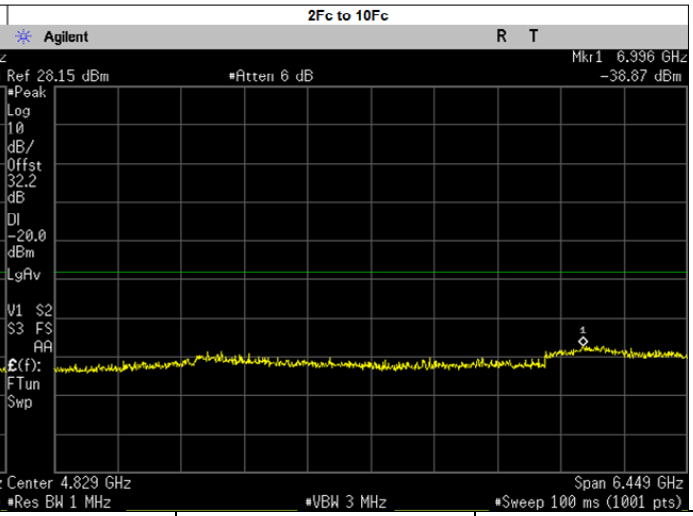
(Fc + Test BW) to 1GHz



1GHz to 2Fc



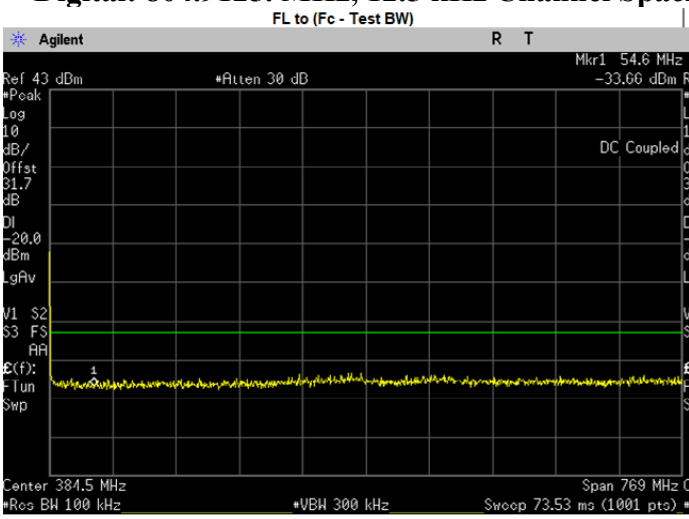
2Fc to 10Fc



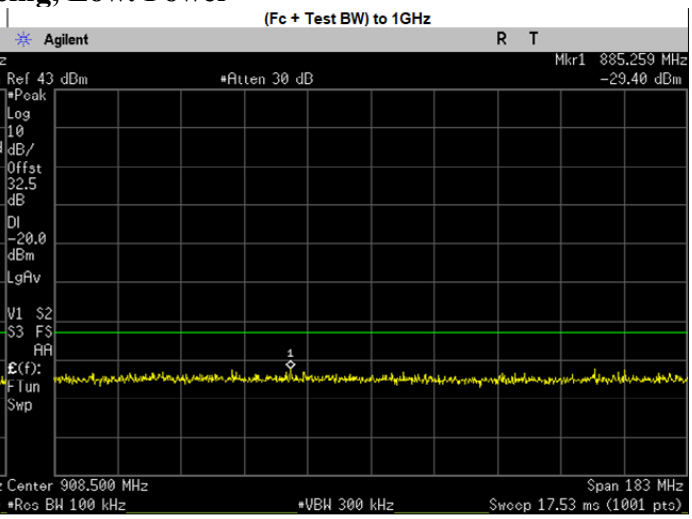
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	147.7000	-33.3650	-20.00	PASS
(Fc + Test BW) to 1GHz	868.4230	-29.4200	-20.00	PASS
1GHz to 2Fc	1442.7320	-43.1300	-20.00	PASS
2Fc to 10Fc	6996.0000	-38.8700	-20.00	PASS
	2414.7380	-44.3298	-20.00	PASS
	3219.6500	-42.1058	-20.00	PASS
	4024.5620	-43.4169	-20.00	PASS
	4829.4750	-44.2110	-20.00	PASS
	5634.3870	-43.8837	-20.00	PASS
	6439.3000	-44.0434	-20.00	PASS
	7244.2120	-40.3258	-20.00	PASS
	8049.1250	-41.8477	-20.00	PASS
	6996.4400	-38.8700	-20.00	PASS

Digital: 804.9125. MHz, 12.5 kHz Channel Spacing, Low. Power

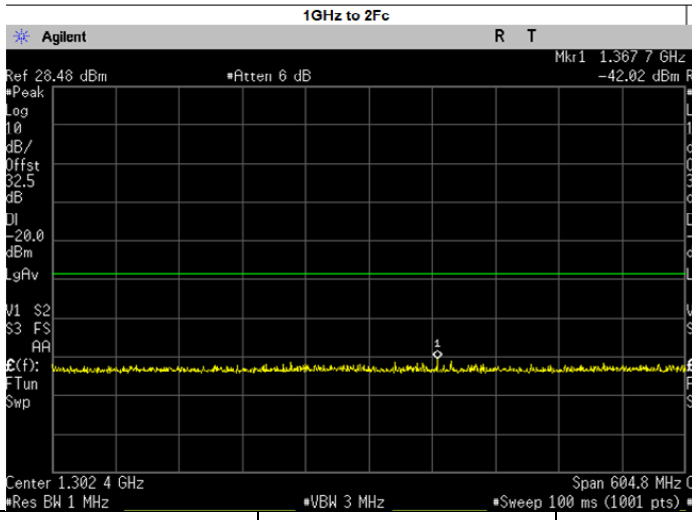
FL to (Fc - Test BW)



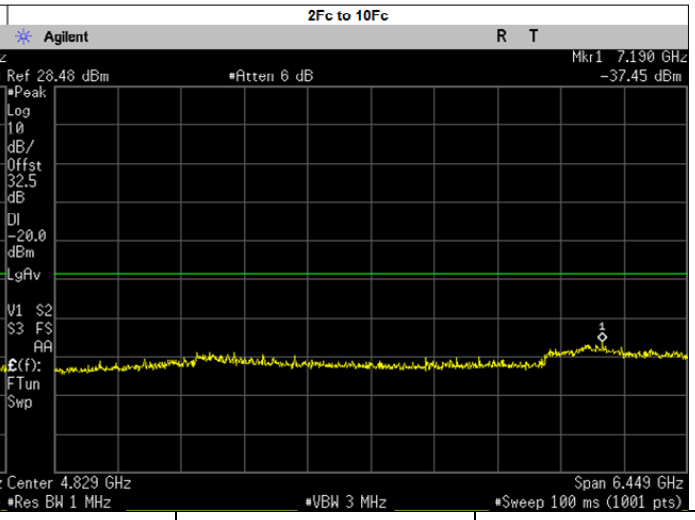
(Fc + Test BW) to 1GHz



1GHz to 2Fc

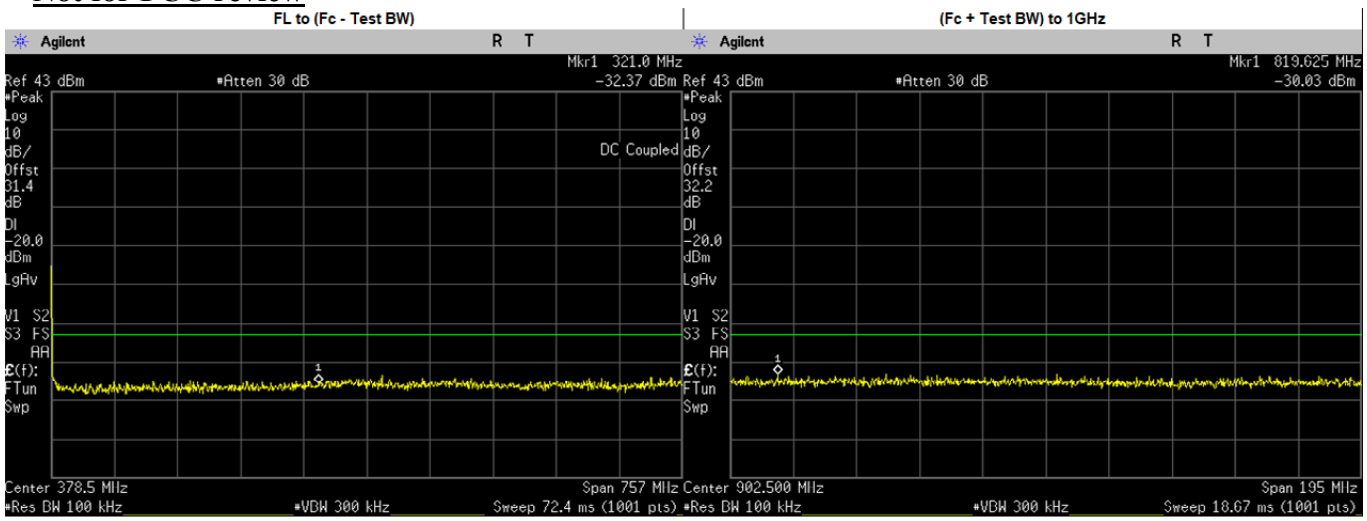


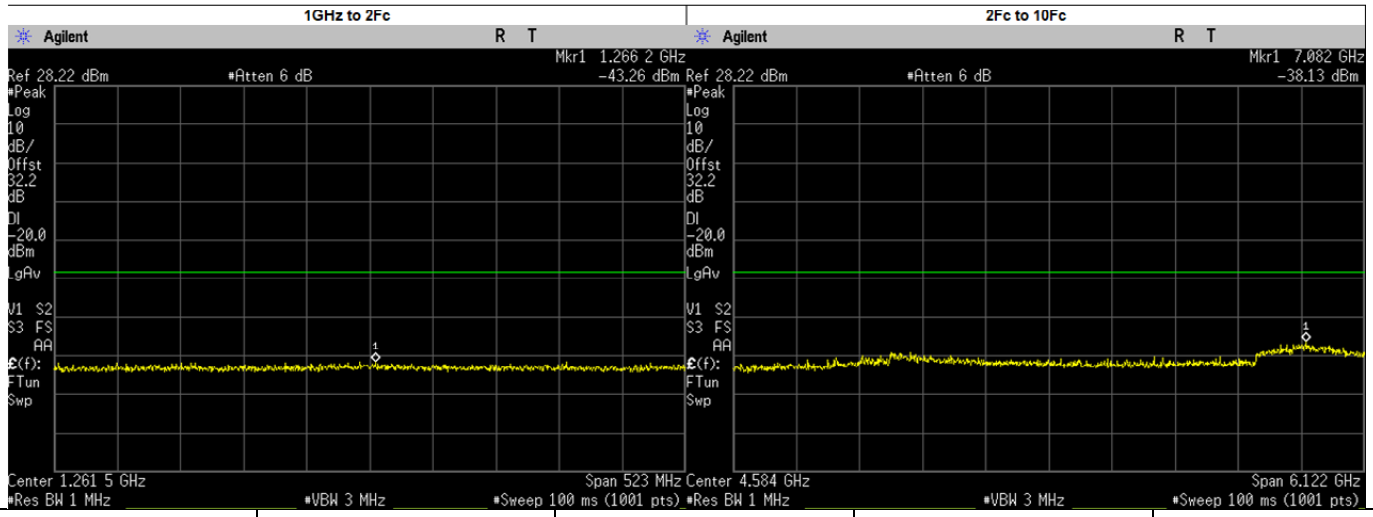
2Fc to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	54.6000	-33.6630	-20.00	PASS
(Fc + Test BW) to 1GHz	885.2590	-29.4000	-20.00	PASS
1GHz to 2Fc	1367.7340	-42.0200	-20.00	PASS
2Fc to 10Fc	7190.0000	-37.4500	-20.00	PASS
	2414.7380	-44.1130	-20.00	PASS
	3219.6500	-41.0643	-20.00	PASS
	4024.5620	-44.2379	-20.00	PASS
	4829.4750	-43.4950	-20.00	PASS
	5634.3870	-43.9696	-20.00	PASS
	6439.3000	-43.8081	-20.00	PASS
	7244.2120	-40.2048	-20.00	PASS
	8049.1250	-41.2203	-20.00	PASS
	7189.9190	-37.4500	-20.00	PASS

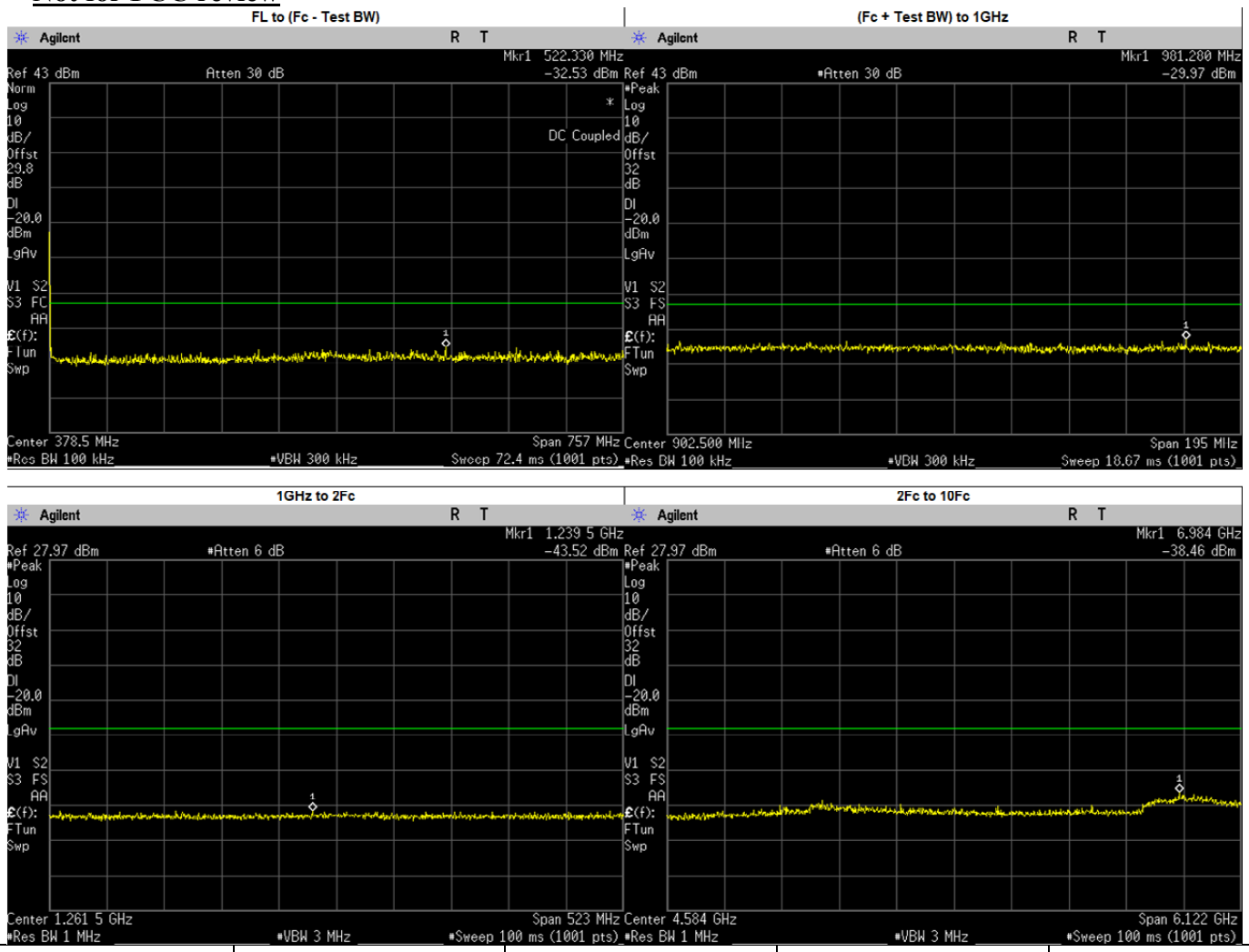
Phase II: 764.0125 MHz, 12.5 kHz Channel Spacing, Max. Power
Not for FCC review





Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	321.0000	-32.3720	-20.00	PASS
(Fc + Test BW) to 1GHz	819.6250	-30.0400	-20.00	PASS
1GHz to 2Fc	1266.2200	-43.2600	-20.00	PASS
2Fc to 10Fc	7082.0000	-38.1300	-20.00	PASS
	2292.0370	-44.7712	-20.00	PASS
	3056.0500	-41.5634	-20.00	PASS
	3820.0620	-43.3007	-20.00	PASS
	4584.0750	-43.6200	-20.00	PASS
	5348.0870	-43.3696	-20.00	PASS
	6112.1000	-43.7095	-20.00	PASS
	6876.1130	-40.4360	-20.00	PASS
	7640.1250	-41.8994	-20.00	PASS
	7081.8920	-38.1300	-20.00	PASS

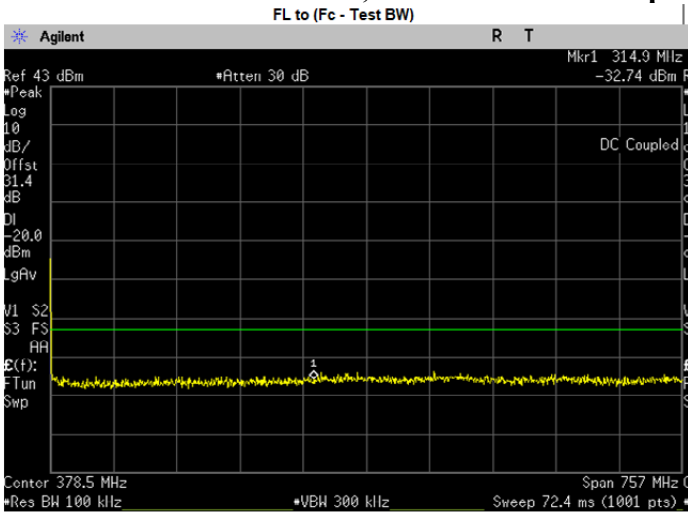
Phase II: 764.0125 MHz, 12.5 kHz Channel Spacing, Low. Power
Not for FCC review



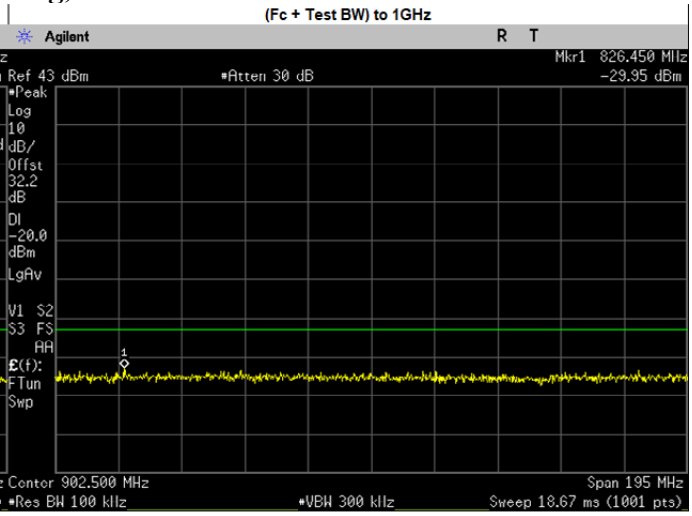
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	522.3300	-32.5300	-20.00	PASS
(Fc + Test BW) to 1GHz	981.2800	-29.9700	-20.00	PASS
1GHz to 2Fc	1239.5450	-43.5200	-20.00	PASS
2Fc to 10Fc	6984.0000	-38.4600	-20.00	PASS
	2292.0370	-45.0846	-20.00	PASS
	3056.0500	-42.0638	-20.00	PASS
	3820.0620	-43.1634	-20.00	PASS
	4584.0750	-43.2530	-20.00	PASS
	5348.0870	-44.4944	-20.00	PASS
	6112.1000	-43.4099	-20.00	PASS
	6876.1130	-40.7411	-20.00	PASS
	7640.1250	-41.7900	-20.00	PASS
	6983.9380	-38.4600	-20.00	PASS

Phase II: 769.0125 MHz, 12.5 kHz Channel Spacing, Max. Power

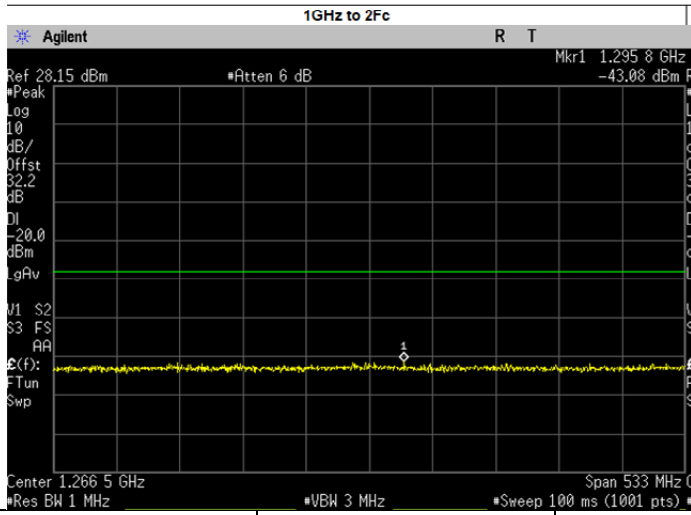
FL to (Fc - Test BW)



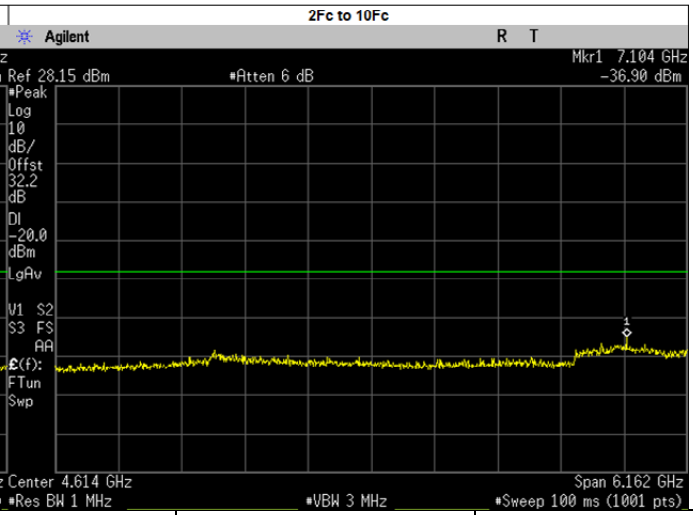
(Fc + Test BW) to 1GHz



1GHz to 2Fc



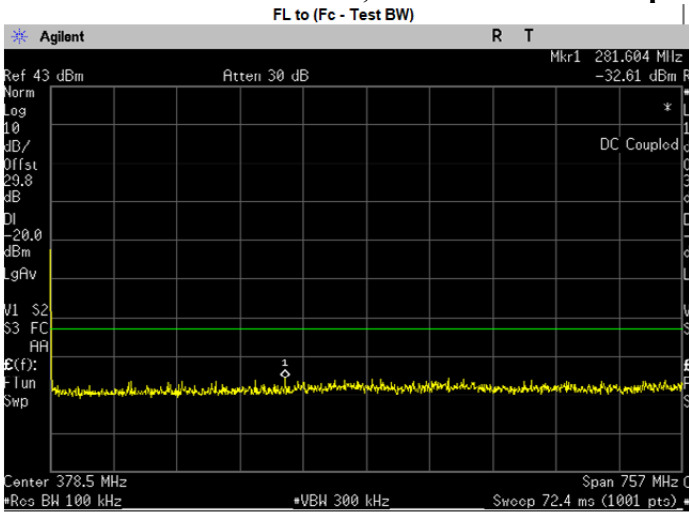
2Fc to 10Fc



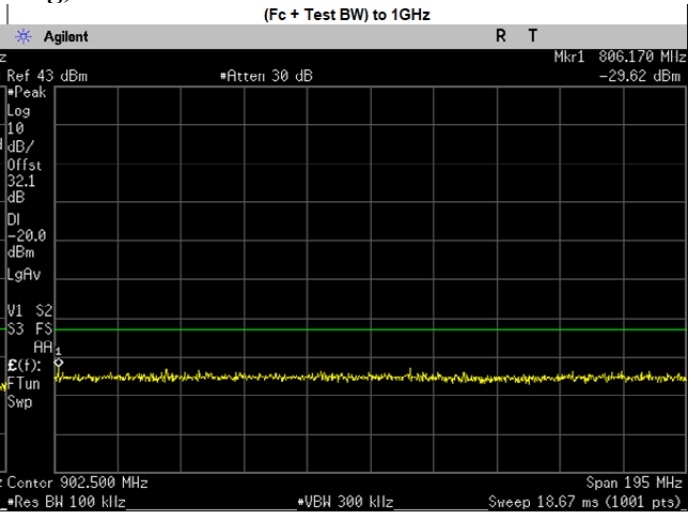
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	314.9000	-32.7360	-20.00	PASS
(Fc + Test BW) to 1GHz	826.4500	-29.9500	-20.00	PASS
1GHz to 2Fc	1295.8290	-43.0800	-20.00	PASS
2Fc to 10Fc	7104.0000	-36.9000	-20.00	PASS
	2307.0370	-45.1043	-20.00	PASS
	3076.0500	-41.7221	-20.00	PASS
	3845.0620	-43.6568	-20.00	PASS
	4614.0750	-43.8240	-20.00	PASS
	5383.0870	-44.0636	-20.00	PASS
	6152.1000	-43.7566	-20.00	PASS
	6921.1130	-40.8465	-20.00	PASS
	7690.1250	-40.5170	-20.00	PASS
	7103.5630	-36.9000	-20.00	PASS

Phase II: 769.0125 MHz, 12.5 kHz Channel Spacing, Low. Power

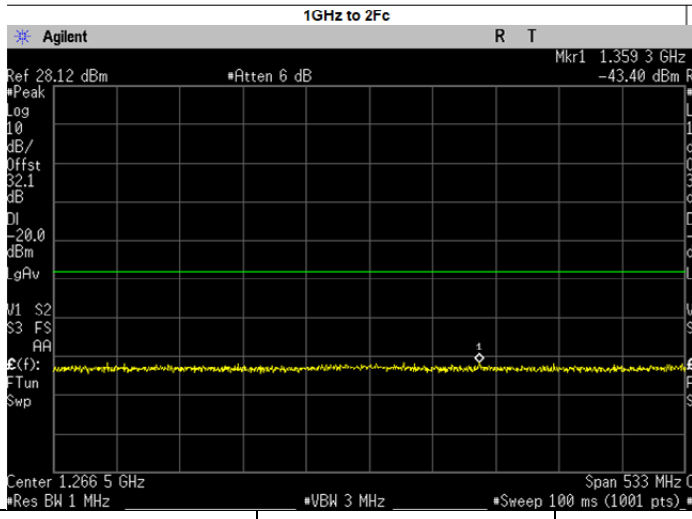
FL to (Fc - Test BW)



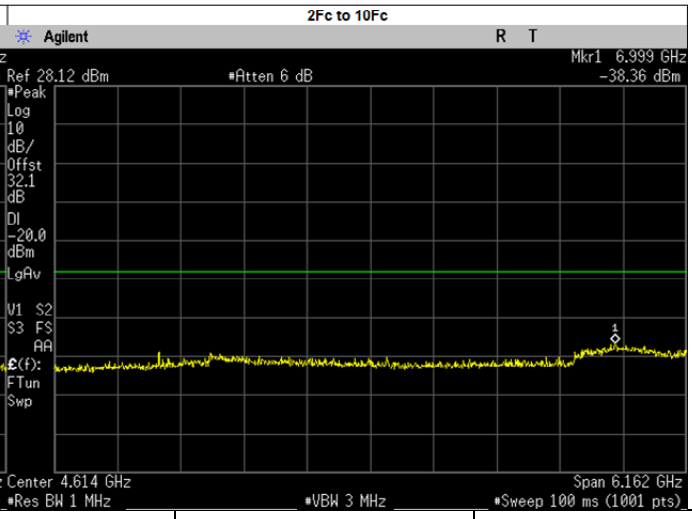
(Fc + Test BW) to 1GHz



1GHz to 2Fc

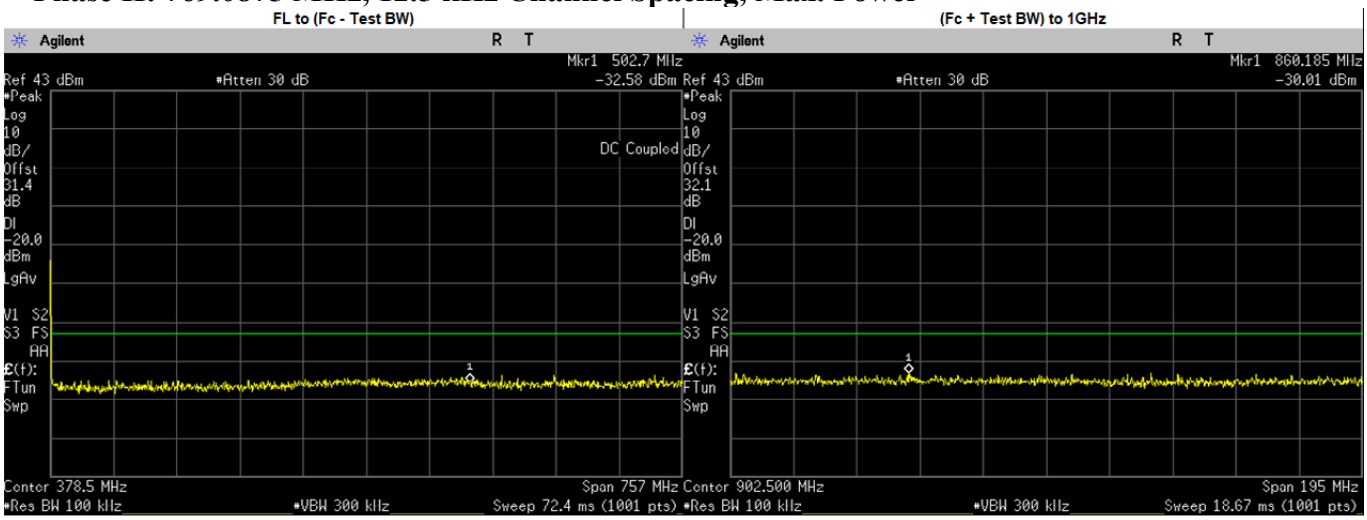


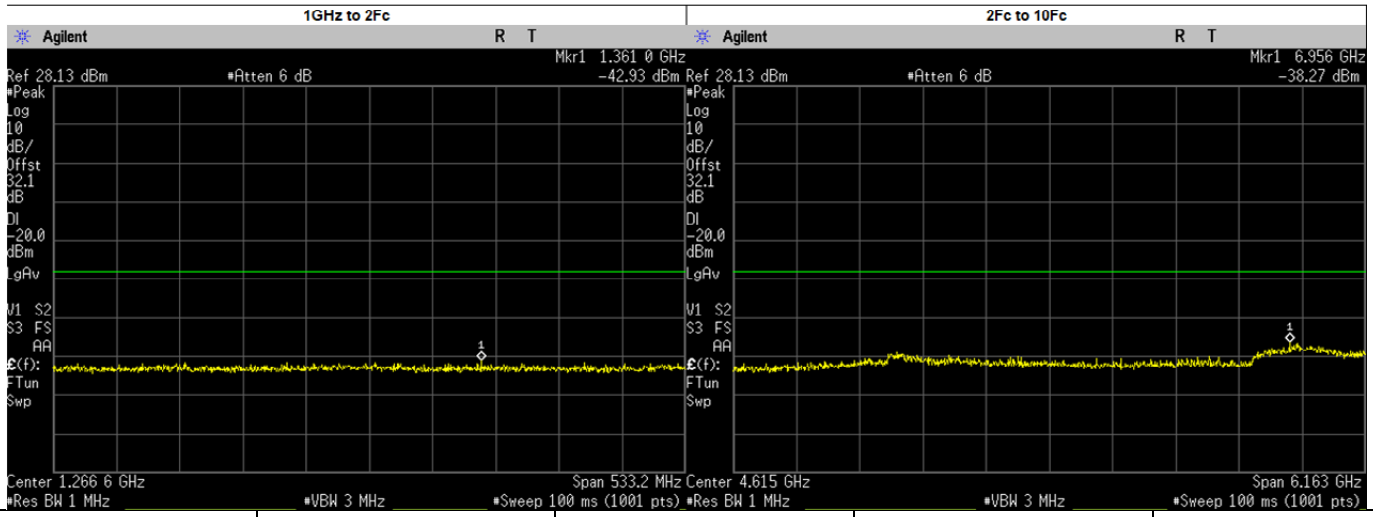
2Fc to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	281.6040	-32.6100	-20.00	PASS
(Fc + Test BW) to 1GHz	806.1700	-29.6200	-20.00	PASS
1GHz to 2Fc	1359.2590	-43.4000	-20.00	PASS
2Fc to 10Fc	6999.0000	-38.3600	-20.00	PASS
	2307.0370	-44.8238	-20.00	PASS
	3076.0500	-42.1199	-20.00	PASS
	3845.0620	-43.5675	-20.00	PASS
	4614.0750	-43.8280	-20.00	PASS
	5383.0870	-43.8638	-20.00	PASS
	6152.1000	-43.1990	-20.00	PASS
	6921.1130	-40.6385	-20.00	PASS
	7690.1250	-41.1632	-20.00	PASS
	6998.8080	-38.3600	-20.00	PASS

Phase II: 769.0875 MHz, 12.5 kHz Channel Spacing, Max. Power

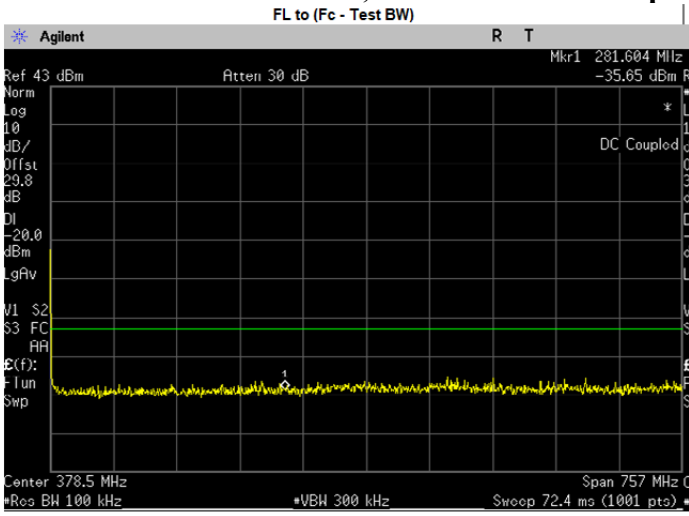




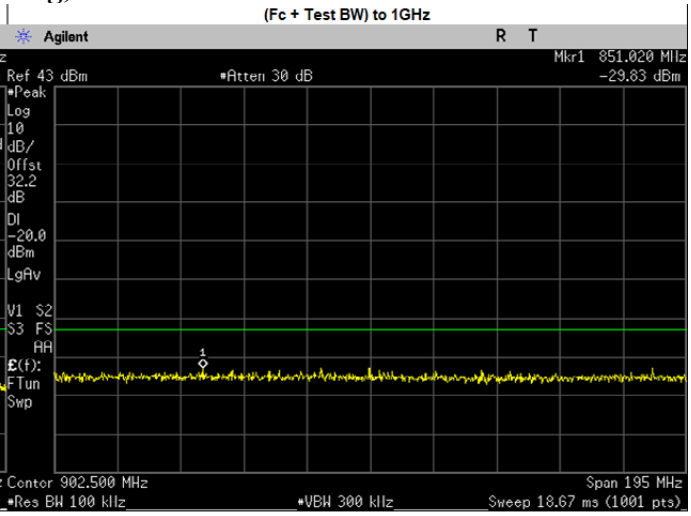
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	502.7000	-32.5810	-20.00	PASS
(Fc + Test BW) to 1GHz	860.1850	-30.0100	-20.00	PASS
1GHz to 2Fc	1360.9590	-42.9300	-20.00	PASS
2Fc to 10Fc	6956.0000	-38.2700	-20.00	PASS
	2307.2620	-43.9808	-20.00	PASS
	3076.3500	-41.2700	-20.00	PASS
	3845.4370	-42.9573	-20.00	PASS
	4614.5250	-43.7360	-20.00	PASS
	5383.6130	-44.2187	-20.00	PASS
	6152.7000	-43.7515	-20.00	PASS
	6921.7880	-40.8021	-20.00	PASS
	7690.8750	-41.3233	-20.00	PASS
	6956.3510	-38.2700	-20.00	PASS

Phase II: 769.0875 MHz, 12.5 kHz Channel Spacing, Low. Power

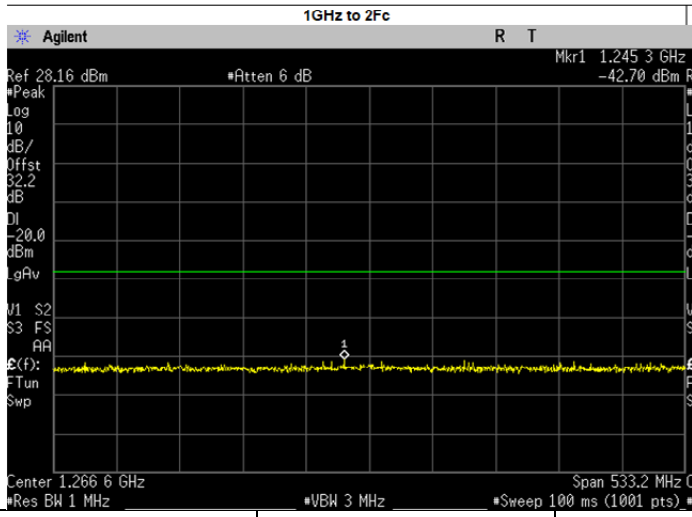
FL to (Fc - Test BW)



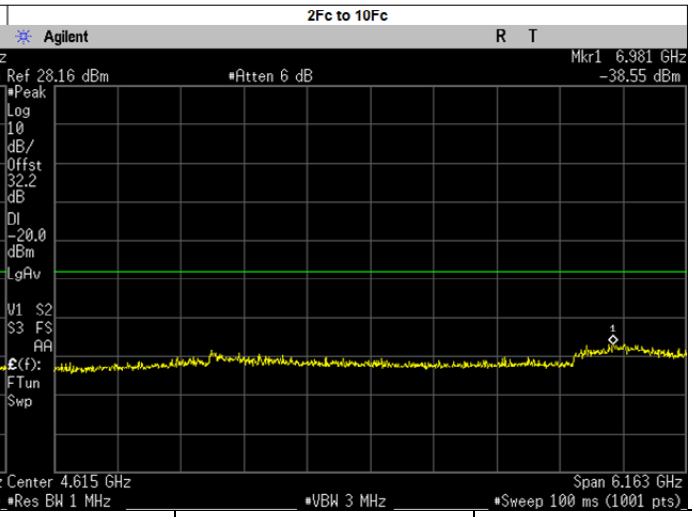
(Fc + Test BW) to 1GHz



1GHz to 2Fc



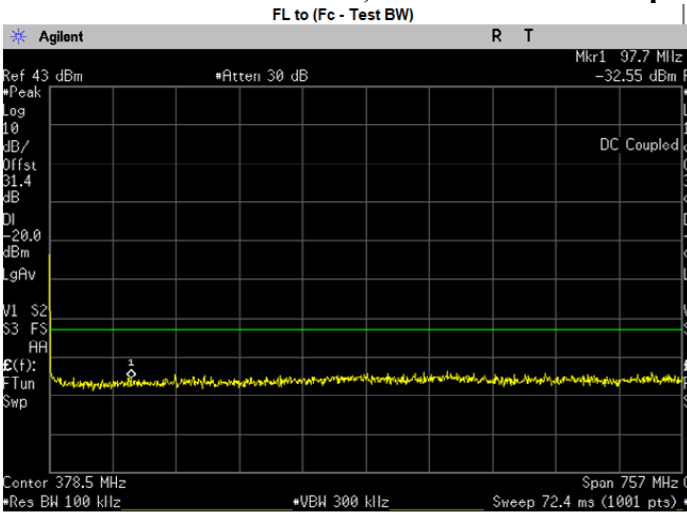
2Fc to 10Fc



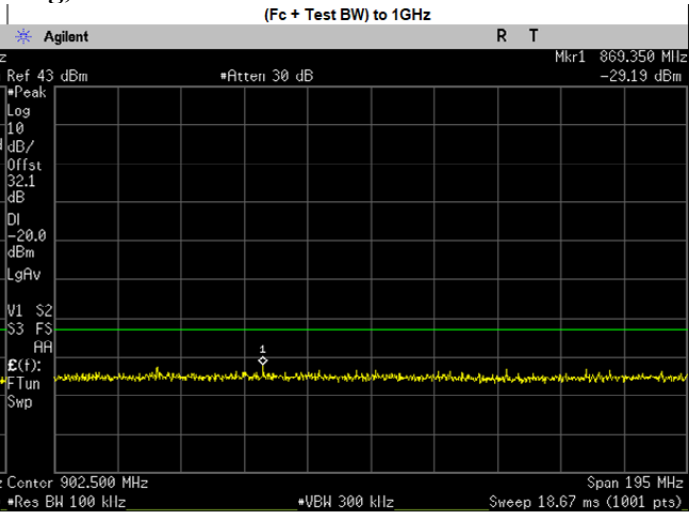
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	281.6040	-35.6500	-20.00	PASS
(Fc + Test BW) to 1GHz	851.0200	-29.8300	-20.00	PASS
1GHz to 2Fc	1245.2610	-42.7000	-20.00	PASS
2Fc to 10Fc	6981.0000	-38.5500	-20.00	PASS
	2307.2620	-45.0407	-20.00	PASS
	3076.3500	-41.4846	-20.00	PASS
	3845.4370	-43.2224	-20.00	PASS
	4614.5250	-43.8050	-20.00	PASS
	5383.6130	-44.4594	-20.00	PASS
	6152.7000	-43.1116	-20.00	PASS
	6921.7880	-40.8233	-20.00	PASS
	7690.8750	-40.4511	-20.00	PASS
	6981.0020	-38.5500	-20.00	PASS

Phase II: 774.8875 MHz, 12.5 kHz Channel Spacing, Max. Power

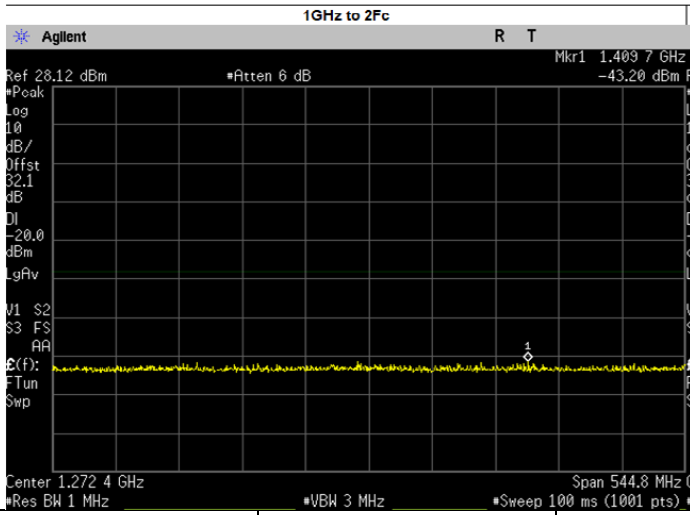
FL to (Fc - Test BW)



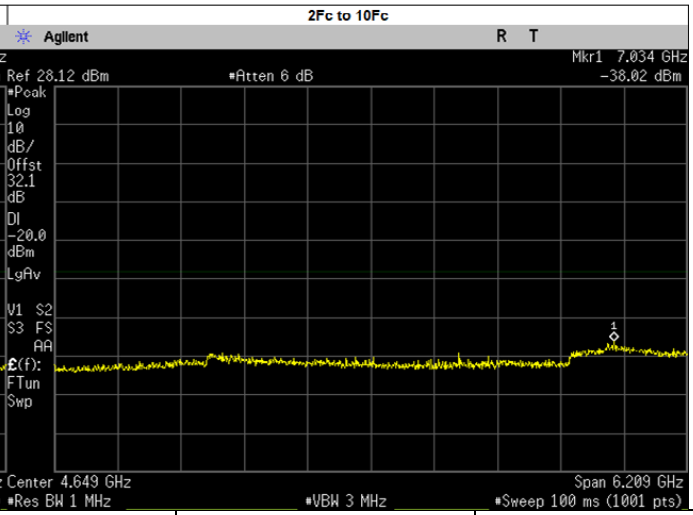
(Fc + Test BW) to 1GHz



1GHz to 2Fc

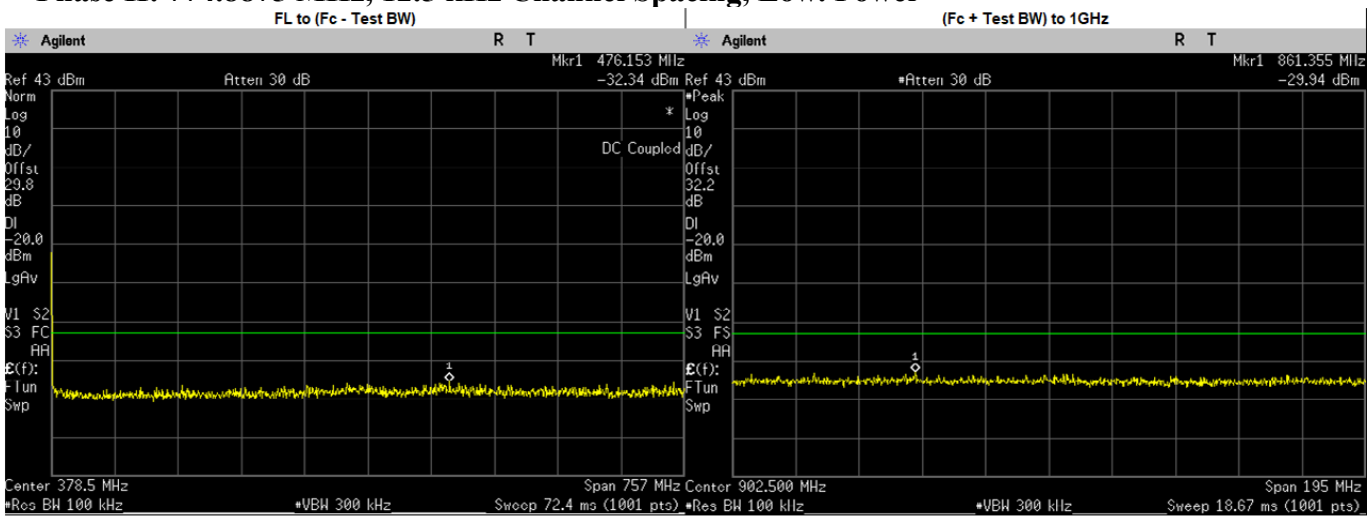


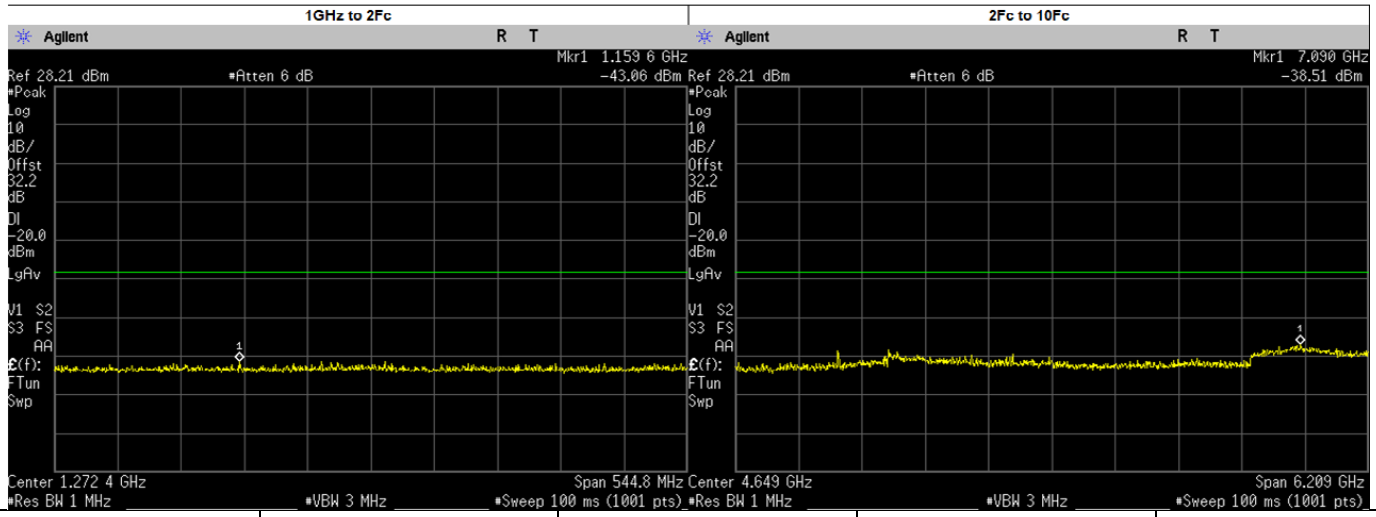
2Fc to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	97.7000	-32.5490	-20.00	PASS
(Fc + Test BW) to 1GHz	869.3500	-29.1900	-20.00	PASS
1GHz to 2Fc	1409.6710	-43.2000	-20.00	PASS
2Fc to 10Fc	7034.0000	-38.0200	-20.00	PASS
	2324.6620	-44.9570	-20.00	PASS
	3099.5500	-41.5103	-20.00	PASS
	3874.4370	-43.2875	-20.00	PASS
	4649.3250	-43.8060	-20.00	PASS
	5424.2120	-44.4085	-20.00	PASS
	6199.1000	-43.3700	-20.00	PASS
	7748.8750	-41.5213	-20.00	PASS
	7033.6190	-38.0200	-20.00	PASS
	6973.9880	-38.6153	-20.00	PASS

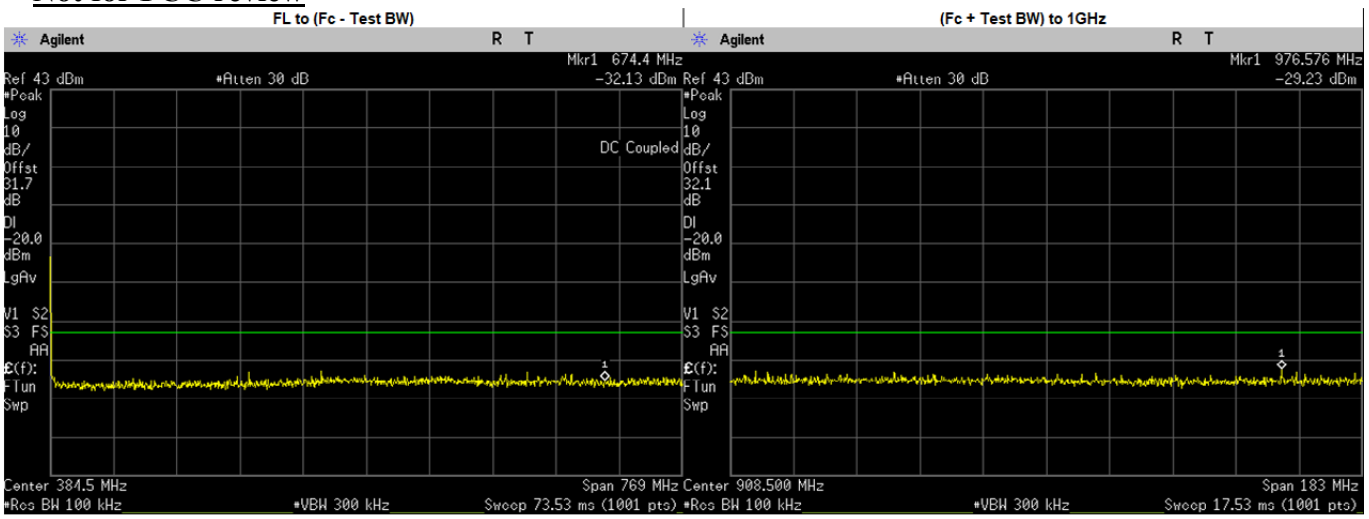
Phase II: 774.8875 MHz, 12.5 kHz Channel Spacing, Low. Power

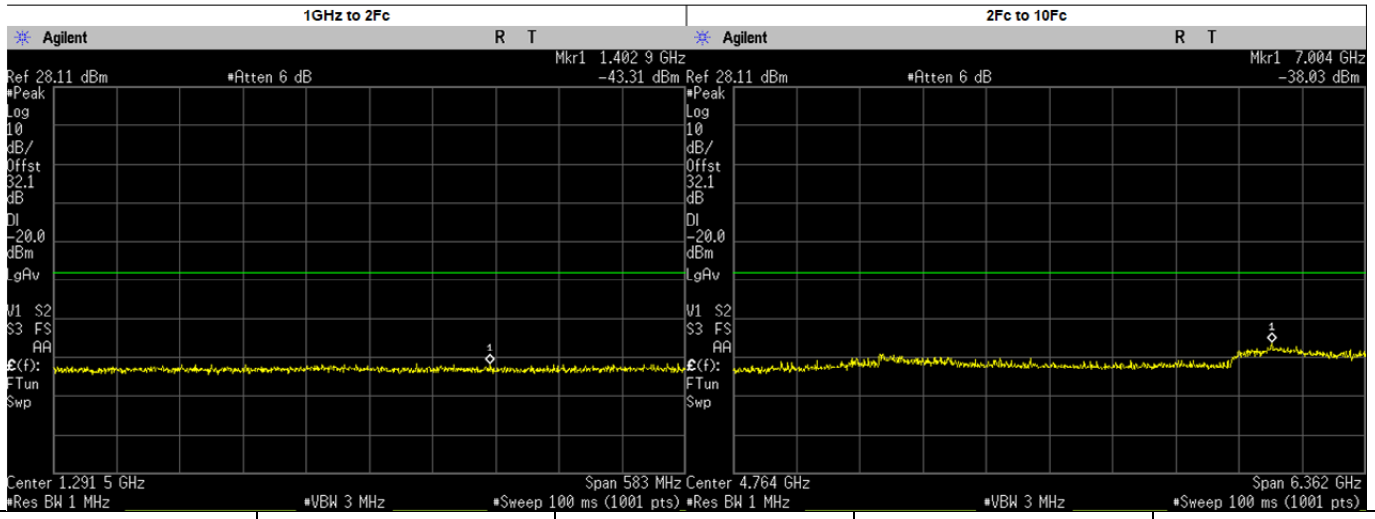




Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	476.1530	-32.3400	-20.00	PASS
(Fc + Test BW) to 1GHz	861.3550	-29.9400	-20.00	PASS
1GHz to 2Fc	1159.6190	-43.0600	-20.00	PASS
2Fc to 10Fc	7090.0000	-38.5100	-20.00	PASS
	2324.6620	-45.1328	-20.00	PASS
	3099.5500	-41.8913	-20.00	PASS
	3874.4370	-43.4648	-20.00	PASS
	4649.3250	-42.9380	-20.00	PASS
	5424.2120	-44.1672	-20.00	PASS
	6199.1000	-43.4508	-20.00	PASS
	6973.9880	-40.0816	-20.00	PASS
	7748.8750	-40.8473	-20.00	PASS
	7089.5010	-38.5100	-20.00	PASS

Phase II: 794.0125 MHz, 12.5 kHz Channel Spacing, Max. Power
Not for FCC review

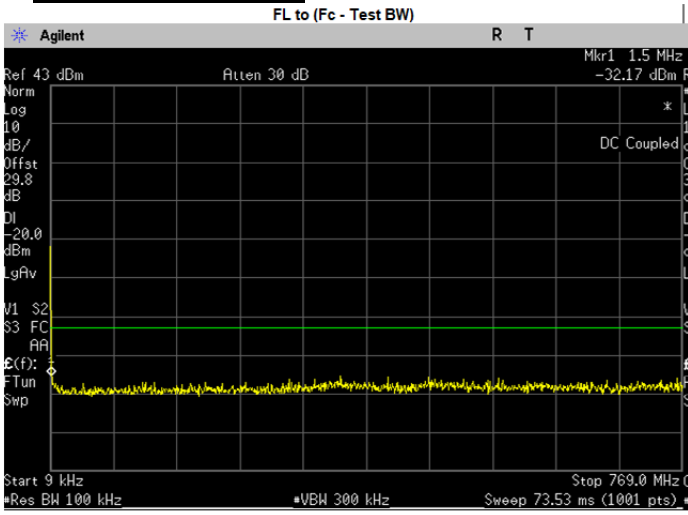




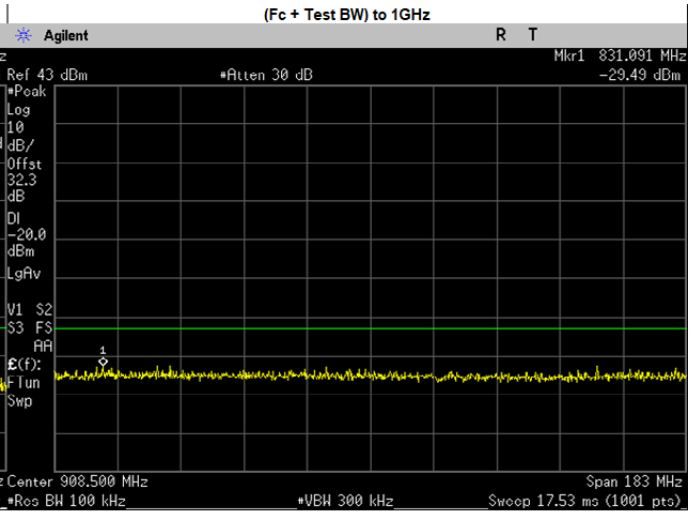
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	674.4000	-32.1260	-20.00	PASS
(Fc + Test BW) to 1GHz	976.5760	-29.2300	-20.00	PASS
1GHz to 2Fc	1402.8700	-43.3100	-20.00	PASS
2Fc to 10Fc	7004.0000	-38.0300	-20.00	PASS
	2382.0370	-44.2405	-20.00	PASS
	3176.0500	-42.3741	-20.00	PASS
	3970.0620	-43.4293	-20.00	PASS
	4764.0750	-44.1800	-20.00	PASS
	5558.0870	-43.9924	-20.00	PASS
	6352.1000	-43.7236	-20.00	PASS
	7146.1130	-40.1682	-20.00	PASS
	7940.1250	-40.6135	-20.00	PASS
	7003.5340	-38.0300	-20.00	PASS

Phase II: 794.0125 MHz, 12.5 kHz Channel Spacing, Low. Power
Not for FCC review

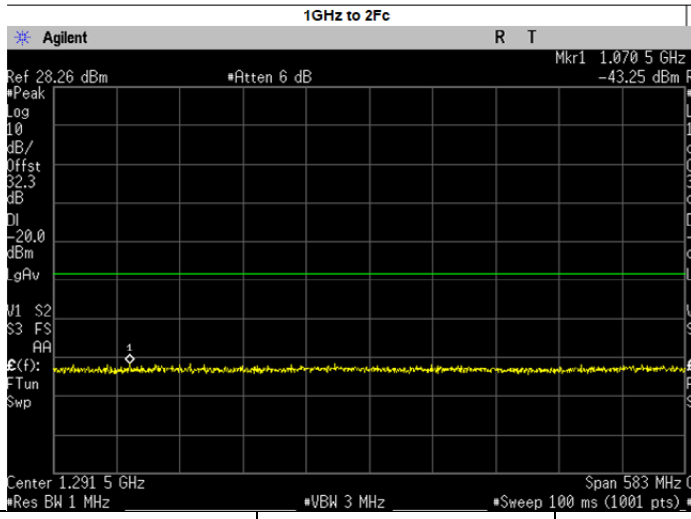
FL to (Fc - Test BW)



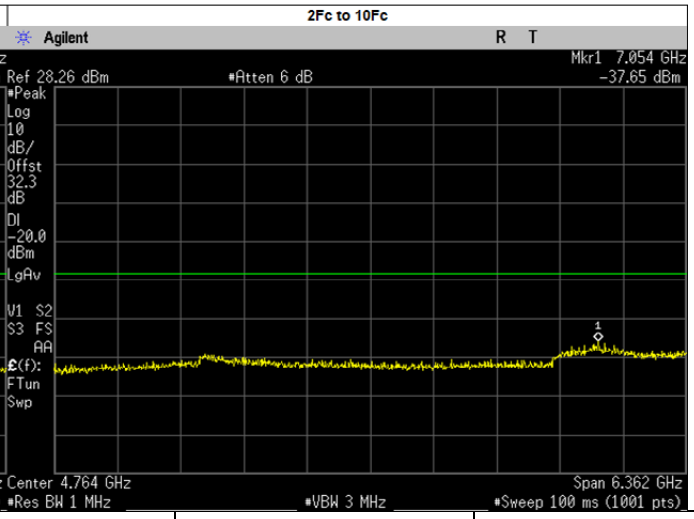
(Fc + Test BW) to 1GHz



1GHz to 2Fc

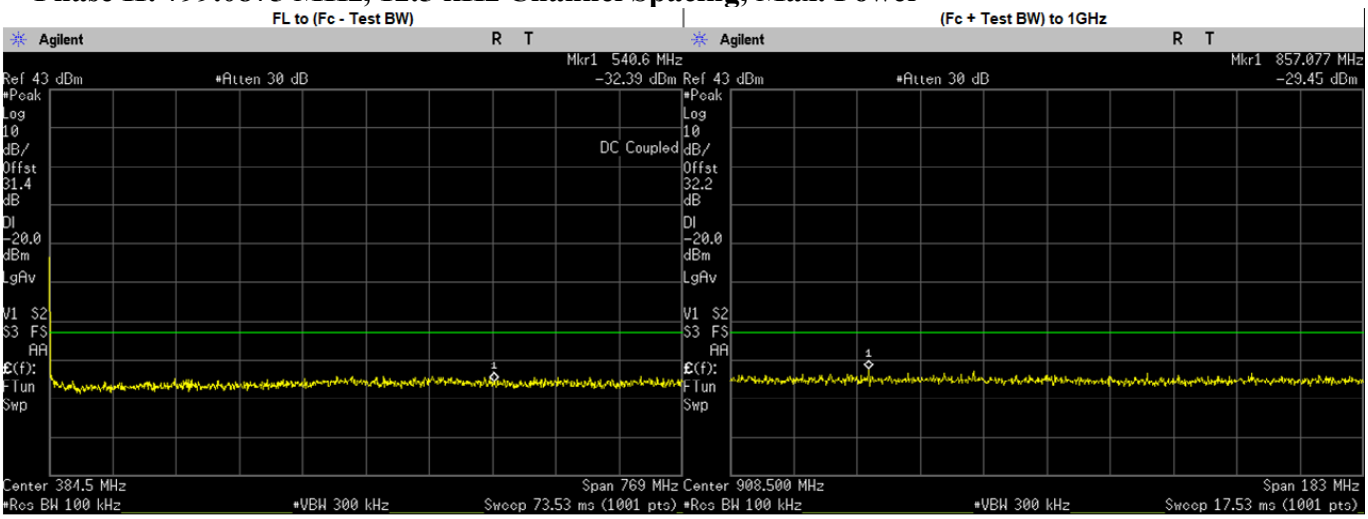


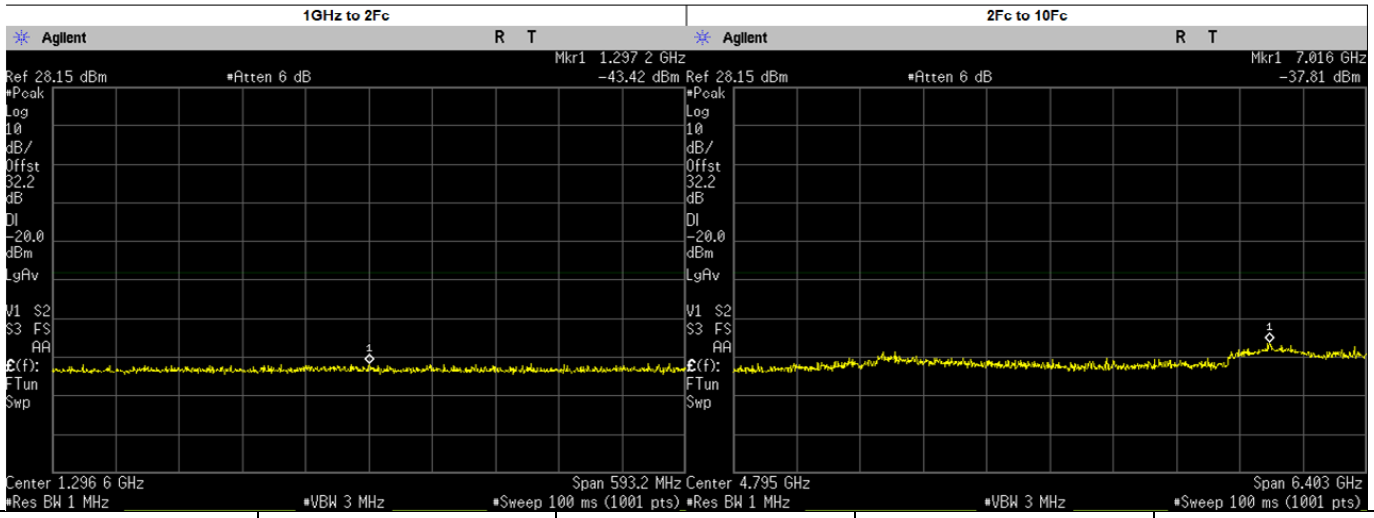
2Fc to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.5000	-32.1700	-20.00	PASS
(Fc + Test BW) to 1GHz	831.0910	-29.4900	-20.00	PASS
1GHz to 2Fc	1070.5460	-43.2500	-20.00	PASS
2Fc to 10Fc	7054.0000	-37.6500	-20.00	PASS
	2382.0370	-44.6529	-20.00	PASS
	3176.0500	-42.0890	-20.00	PASS
	3970.0620	-43.5845	-20.00	PASS
	4764.0750	-44.1860	-20.00	PASS
	5558.0870	-44.1810	-20.00	PASS
	6352.1000	-43.8358	-20.00	PASS
	7146.1130	-40.1475	-20.00	PASS
	7940.1250	-40.9046	-20.00	PASS
	7054.4310	-37.6500	-20.00	PASS

Phase II: 799.0875 MHz, 12.5 kHz Channel Spacing, Max. Power

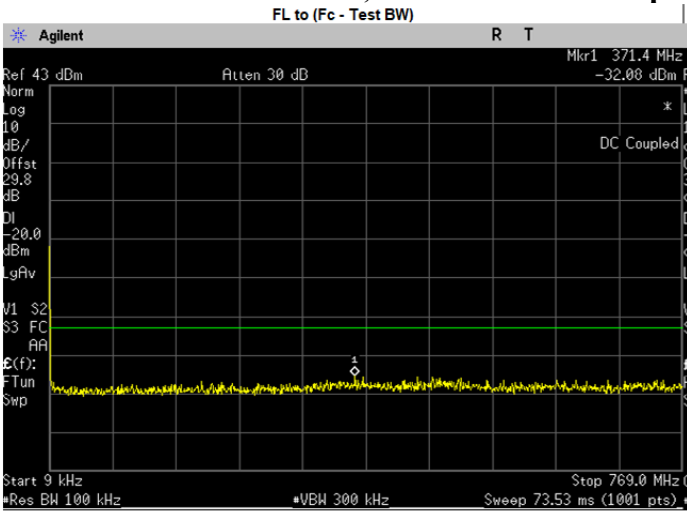




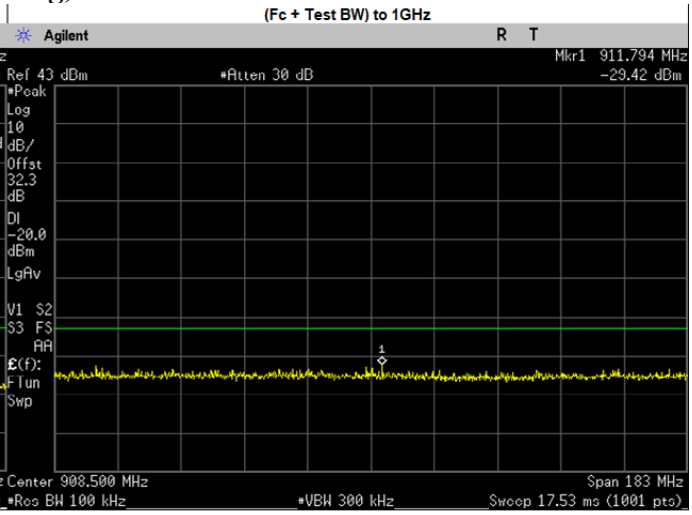
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	540.6000	-32.3880	-20.00	PASS
(Fc + Test BW) to 1GHz	857.0770	-29.4500	-20.00	PASS
1GHz to 2Fc	1297.1810	-43.4200	-20.00	PASS
2Fc to 10Fc	7016.0000	-37.8100	-20.00	PASS
	2397.2620	-44.4706	-20.00	PASS
	3196.3500	-42.1432	-20.00	PASS
	3995.4370	-42.5310	-20.00	PASS
	4794.5250	-43.9690	-20.00	PASS
	5593.6130	-44.7138	-20.00	PASS
	6392.7000	-42.7936	-20.00	PASS
	7990.8750	-41.3474	-20.00	PASS
	7016.2620	-37.8100	-20.00	PASS
	7191.7880	-39.7397	-20.00	PASS

Phase II: 799.0875 MHz, 12.5 kHz Channel Spacing, Low. Power

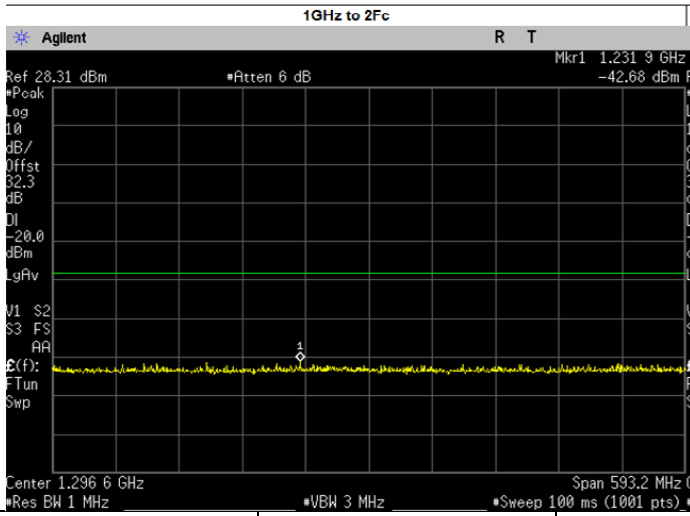
FL to (Fc - Test BW)



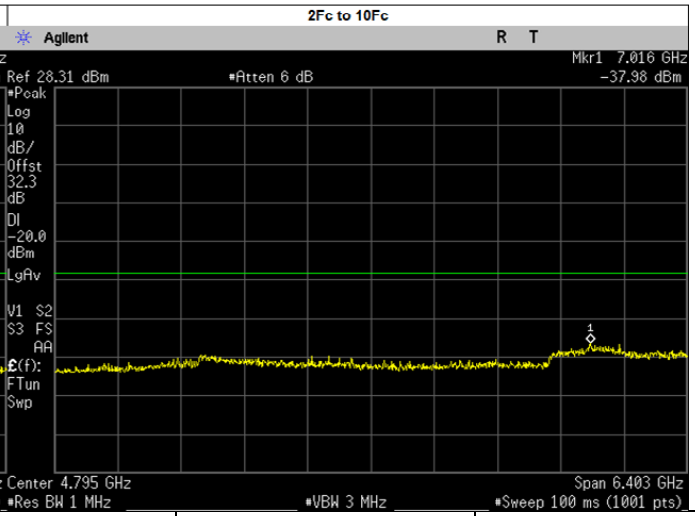
(Fc + Test BW) to 1GHz



1GHz to 2Fc



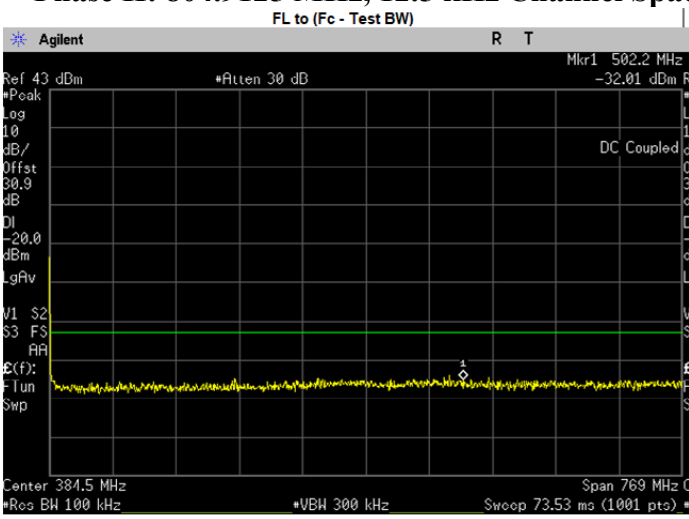
2Fc to 10Fc



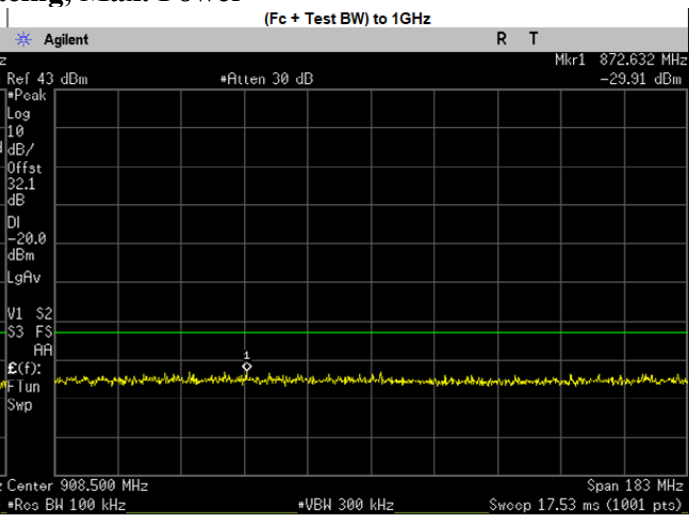
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	371.4000	-32.0800	-20.00	PASS
(Fc + Test BW) to 1GHz	911.7940	-29.4200	-20.00	PASS
1GHz to 2Fc	1231.9310	-42.6800	-20.00	PASS
2Fc to 10Fc	7016.0000	-37.9800	-20.00	PASS
	2397.2620	-44.3725	-20.00	PASS
	3196.3500	-41.7957	-20.00	PASS
	3995.4370	-42.5897	-20.00	PASS
	4794.5250	-44.3380	-20.00	PASS
	5593.6130	-43.5792	-20.00	PASS
	6392.7000	-43.5634	-20.00	PASS
	7990.8750	-41.5155	-20.00	PASS
	7016.2620	-37.9800	-20.00	PASS
	7191.7880	-39.4201	-20.00	PASS

Phase II: 804.9125 MHz, 12.5 kHz Channel Spacing, Max. Power

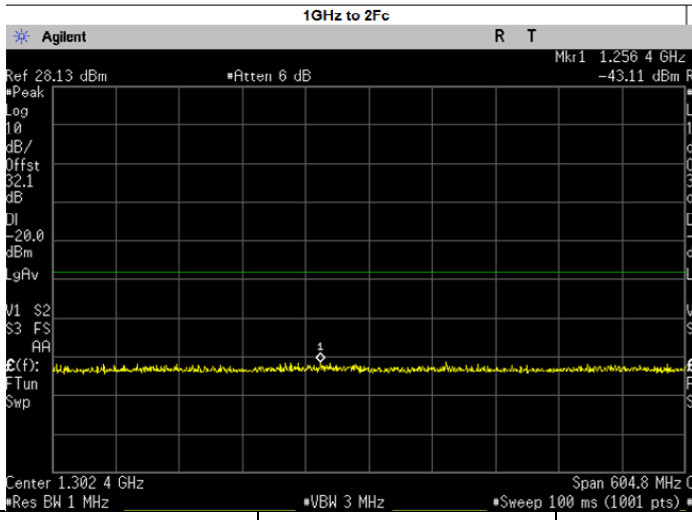
FL to (Fc - Test BW)



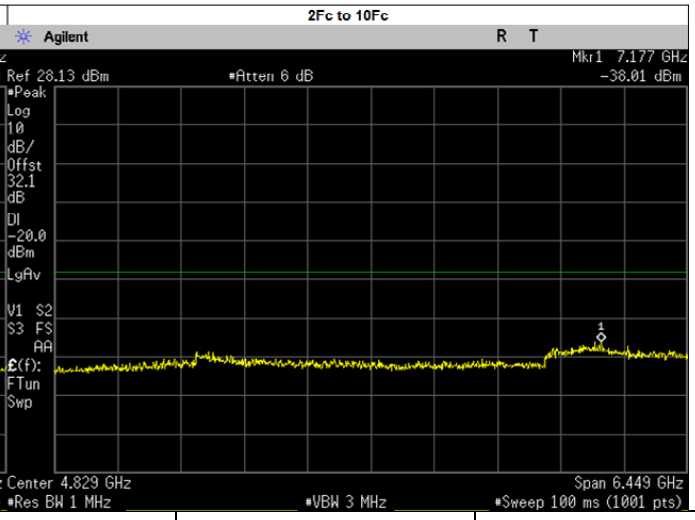
(Fc + Test BW) to 1GHz



1GHz to 2Fc



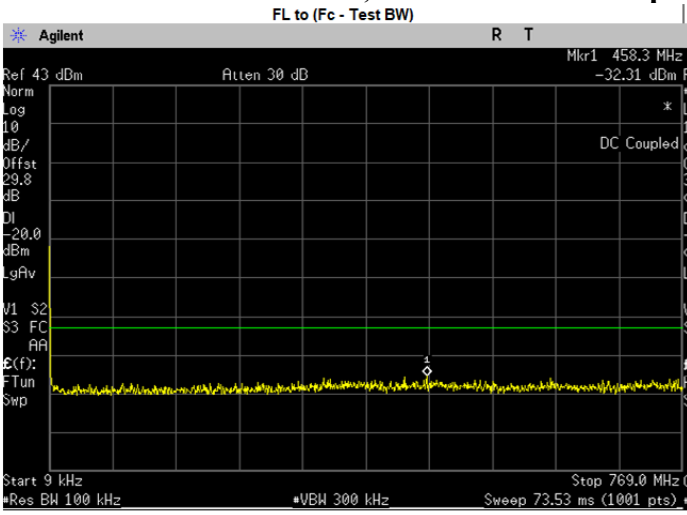
2Fc to 10Fc



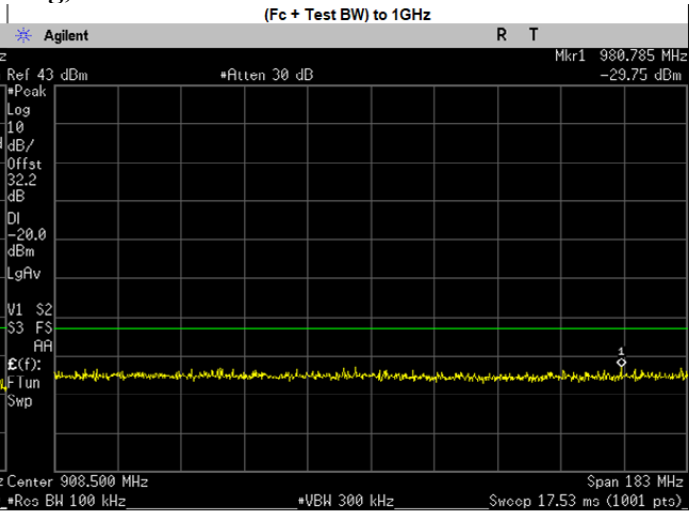
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	502.2000	-32.0080	-20.00	PASS
(Fc + Test BW) to 1GHz	872.6320	-29.9100	-20.00	PASS
1GHz to 2Fc	1256.4460	-43.1100	-20.00	PASS
2Fc to 10Fc	7177.0000	-38.0100	-20.00	PASS
	2414.7380	-44.1428	-20.00	PASS
	3219.6500	-41.6317	-20.00	PASS
	4024.5620	-43.9844	-20.00	PASS
	4829.4750	-44.9190	-20.00	PASS
	5634.3870	-43.2676	-20.00	PASS
	6439.3000	-43.7772	-20.00	PASS
	7244.2120	-40.4663	-20.00	PASS
	8049.1250	-41.3490	-20.00	PASS
	7177.0200	-38.0100	-20.00	PASS

Phase II: 804.9125 MHz, 12.5 kHz Channel Spacing, Low. Power

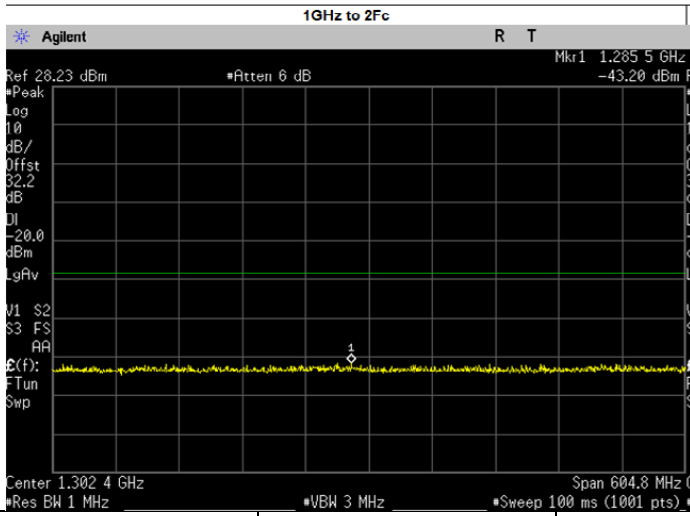
FL to (Fc - Test BW)



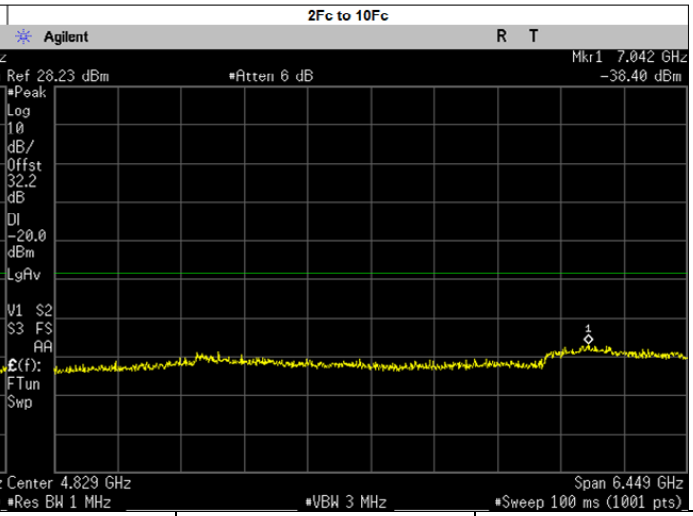
(Fc + Test BW) to 1GHz



1GHz to 2Fc



2Fc to 10Fc



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	458.3000	-32.3100	-20.00	PASS
(Fc + Test BW) to 1GHz	980.7850	-29.7500	-20.00	PASS
1GHz to 2Fc	1285.4770	-43.2000	-20.00	PASS
2Fc to 10Fc	7042.0000	-38.4000	-20.00	PASS
	2414.7380	-44.1169	-20.00	PASS
	3219.6500	-42.4240	-20.00	PASS
	4024.5620	-44.1676	-20.00	PASS
	4829.4750	-44.1030	-20.00	PASS
	5634.3870	-43.7788	-20.00	PASS
	6439.3000	-44.1712	-20.00	PASS
	8049.1250	-42.0797	-20.00	PASS
	7041.5850	-38.4000	-20.00	PASS
	7244.2120	-39.8037	-20.00	PASS

6.10.4. Test Limit

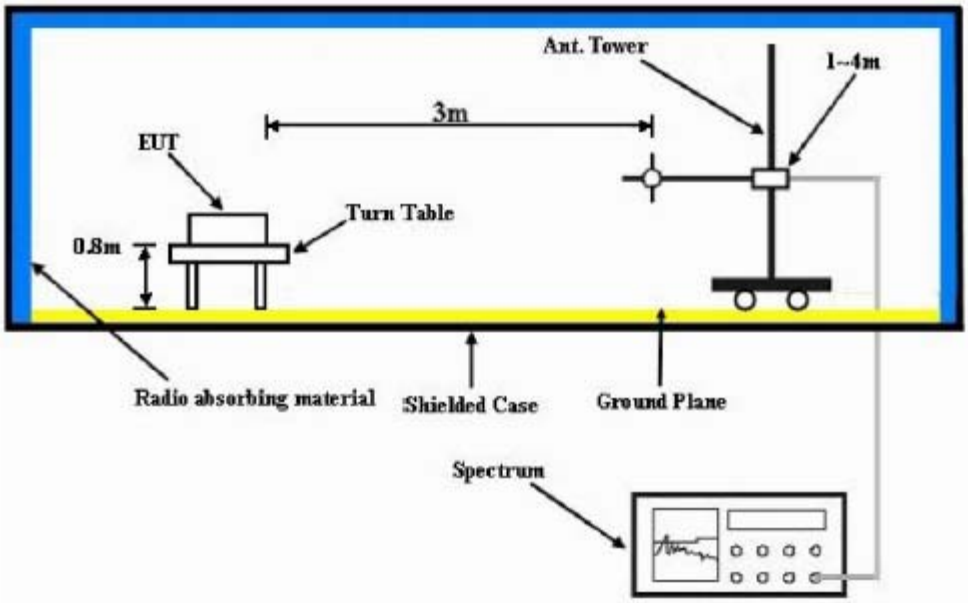
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**

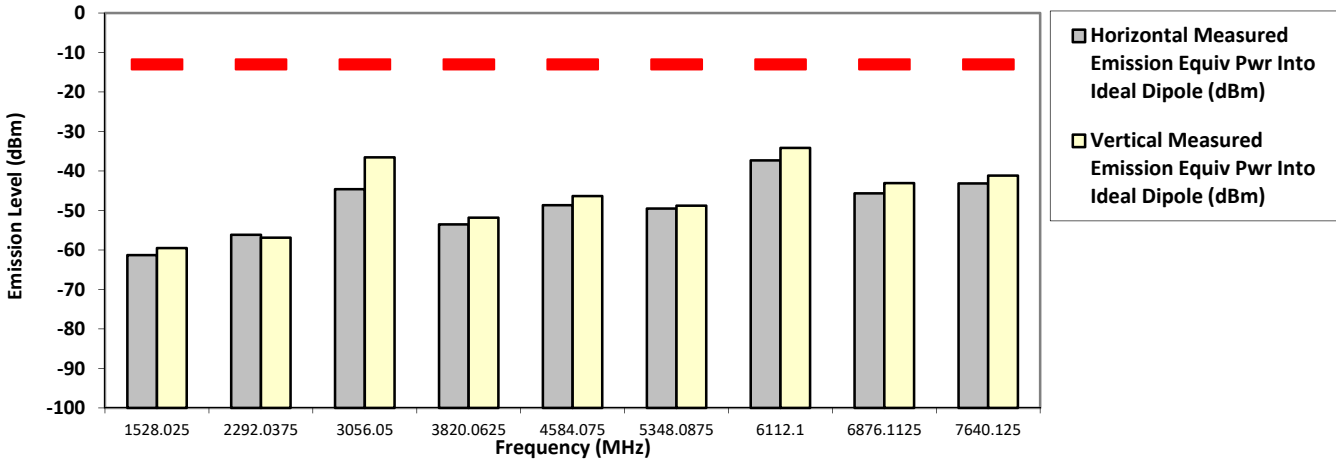
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX Analog

764.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1528.0250	-13.0000	-61.3125 **	-59.5261 **
2292.0375	-13.0000	-56.1649 **	-56.8883 **
3056.0500	-13.0000	-44.6100 *	-36.5400 *
3820.0625	-13.0000	-53.5203 **	-51.8393 **
4584.0750	-13.0000	-48.6609 **	-46.3687 **
5348.0875	-13.0000	-49.5290 **	-48.8039 **
6112.1000	-13.0000	-37.3200 *	-34.1500 *
6876.1125	-13.0000	-45.6727 **	-43.0751 **
7640.1250	-13.0000	-43.1654 **	-41.1975 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

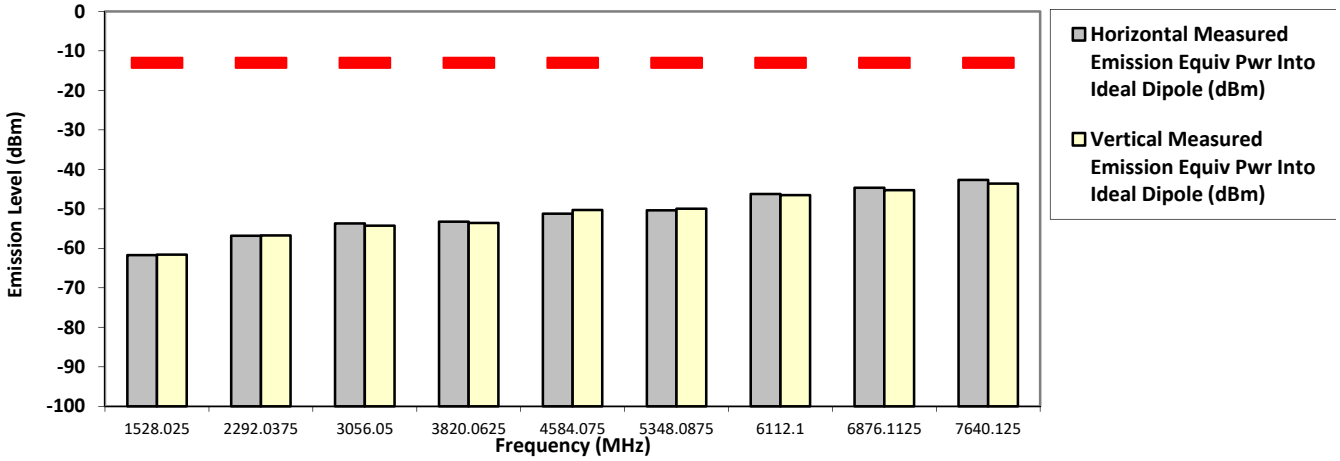
Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX Analog

764.012500 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)
1528.0250	-13.0000	-61.7246 **	-61.6104 **
2292.0375	-13.0000	-56.8366 **	-56.7244 **
3056.0500	-13.0000	-53.7014 **	-54.2624 **
3820.0625	-13.0000	-53.2684 **	-53.5588 **
4584.0750	-13.0000	-51.2120 **	-50.3023 **
5348.0875	-13.0000	-50.3690 **	-49.9779 **
6112.1000	-13.0000	-46.2553 **	-46.5333 **
6876.1125	-13.0000	-44.6511 **	-45.2880 **
7640.1250	-13.0000	-42.6570 **	-43.6132 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

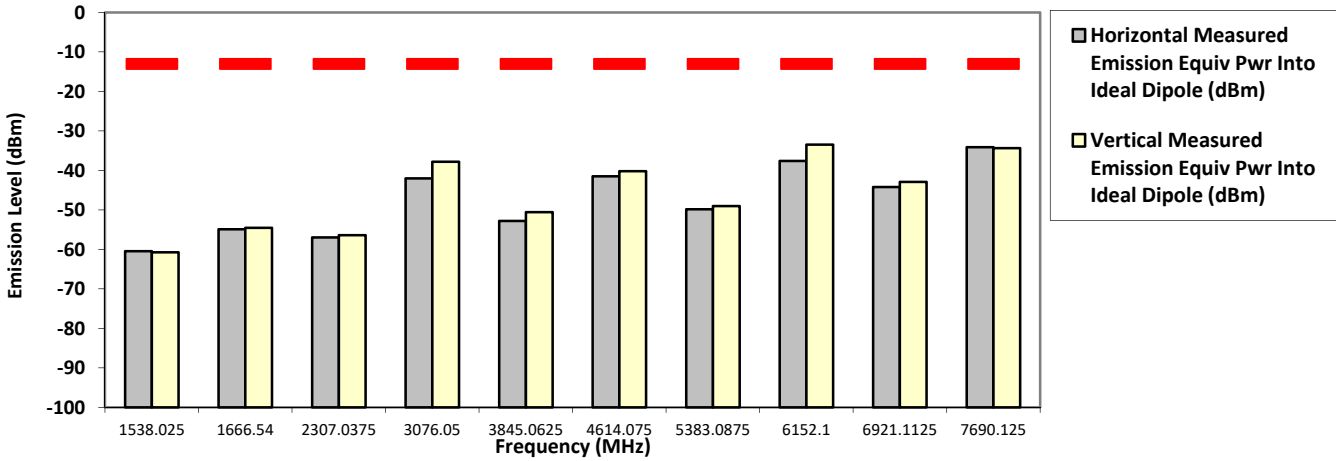
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
769.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1538.0250	-13.0000	-60.4652 **	-60.7652 **
1666.5400	-13.0000	-54.9000 *	-54.5600 *
2307.0375	-13.0000	-56.9765 **	-56.4170 **
3076.0500	-13.0000	-42.0300 *	-37.8000 *
3845.0625	-13.0000	-52.8143 **	-50.5663 **
4614.0750	-13.0000	-41.4900 *	-40.2000 *
5383.0875	-13.0000	-49.8375 **	-49.0387 **
6152.1000	-13.0000	-37.6200 *	-33.5000 *
6921.1125	-13.0000	-44.2325 **	-42.9216 **
7690.1250	-13.0000	-34.1100 *	-34.3600 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

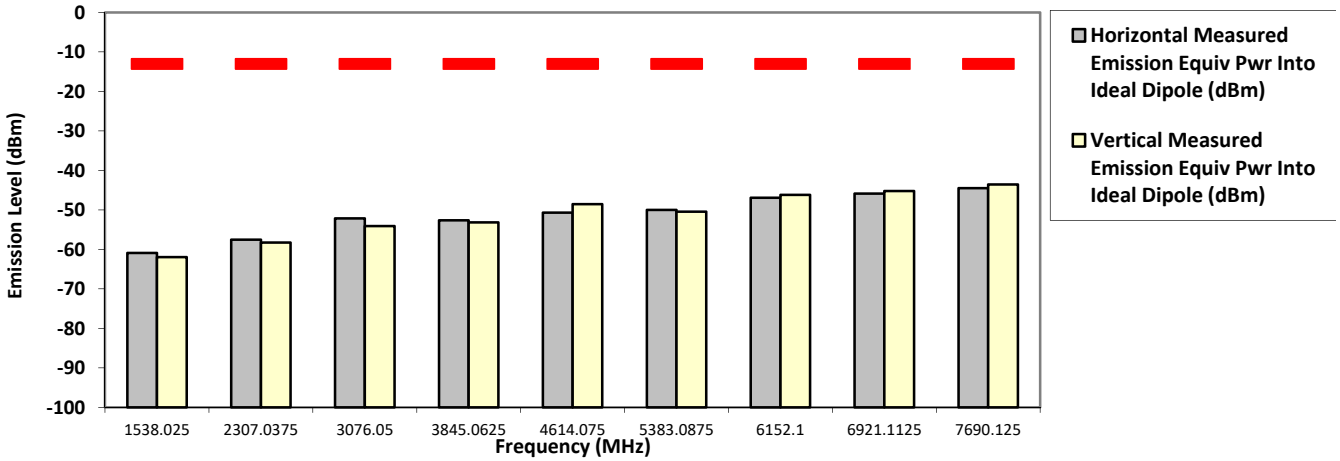
Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX Analog

769.012500 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)
1538.0250	-13.0000	-60.8954 **	-61.9731 **
2307.0375	-13.0000	-57.5644 **	-58.2731 **
3076.0500	-13.0000	-52.1615 **	-54.1202 **
3845.0625	-13.0000	-52.6582 **	-53.1520 **
4614.0750	-13.0000	-50.7043 **	-48.5401 **
5383.0875	-13.0000	-49.9960 **	-50.4729 **
6152.1000	-13.0000	-46.9220 **	-46.1963 **
6921.1125	-13.0000	-45.8712 **	-45.2158 **
7690.1250	-13.0000	-44.5029 **	-43.5833 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

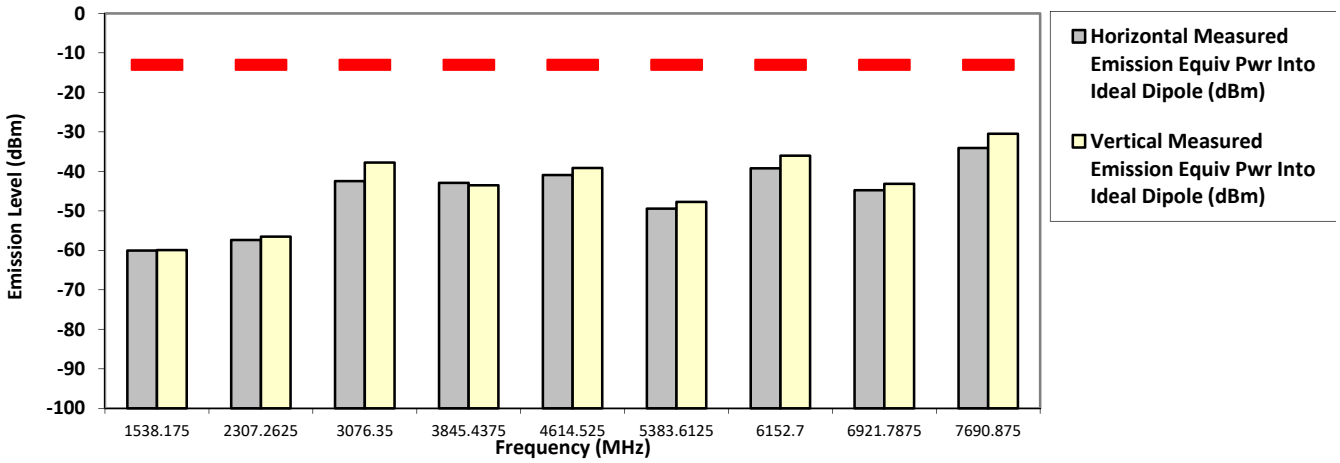
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
769.087500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1538.1750	-13.0000	-60.0723 **	-59.9565 **
2307.2625	-13.0000	-57.3825 **	-56.5156 **
3076.3500	-13.0000	-42.4600 *	-37.7700 *
3845.4375	-13.0000	-42.9100 *	-43.5400 *
4614.5250	-13.0000	-40.9400 *	-39.1600 *
5383.6125	-13.0000	-49.4557 **	-47.7309 **
6152.7000	-13.0000	-39.2200 *	-36.0300 *
6921.7875	-13.0000	-44.7698 **	-43.1723 **
7690.8750	-13.0000	-34.0800 *	-30.4700

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

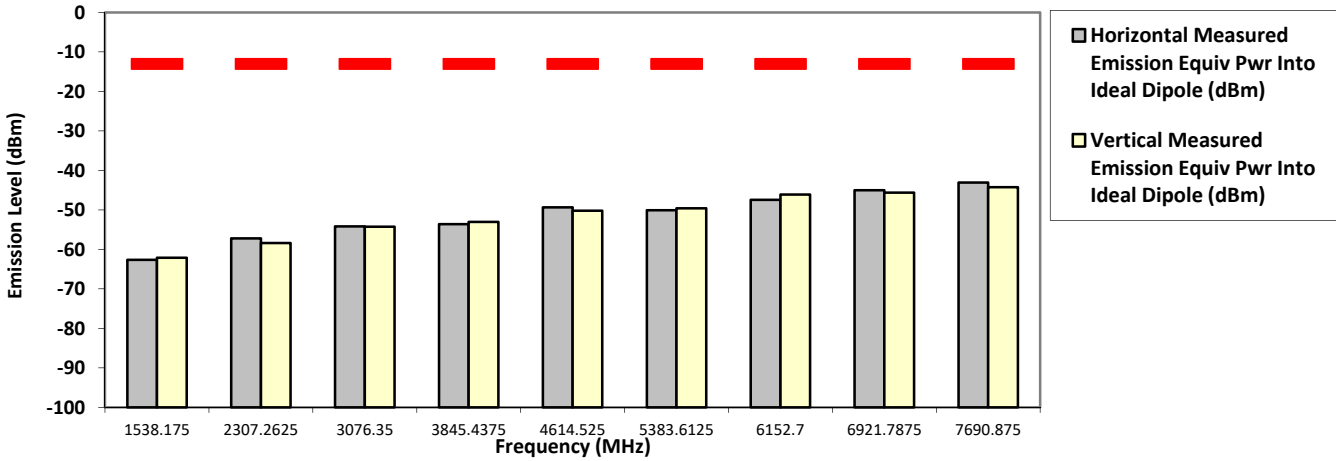
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
769.087500 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)
1538.1750	-13.0000	-62.6671 **	-62.1287 **
2307.2625	-13.0000	-57.2396 **	-58.4172 **
3076.3500	-13.0000	-54.2039 **	-54.2772 **
3845.4375	-13.0000	-53.6166 **	-53.0588 **
4614.5250	-13.0000	-49.3824 **	-50.1952 **
5383.6125	-13.0000	-50.1101 **	-49.5959 **
6152.7000	-13.0000	-47.4709 **	-46.1341 **
6921.7875	-13.0000	-45.0296 **	-45.6267 **
7690.8750	-13.0000	-43.0938 **	-44.2631 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

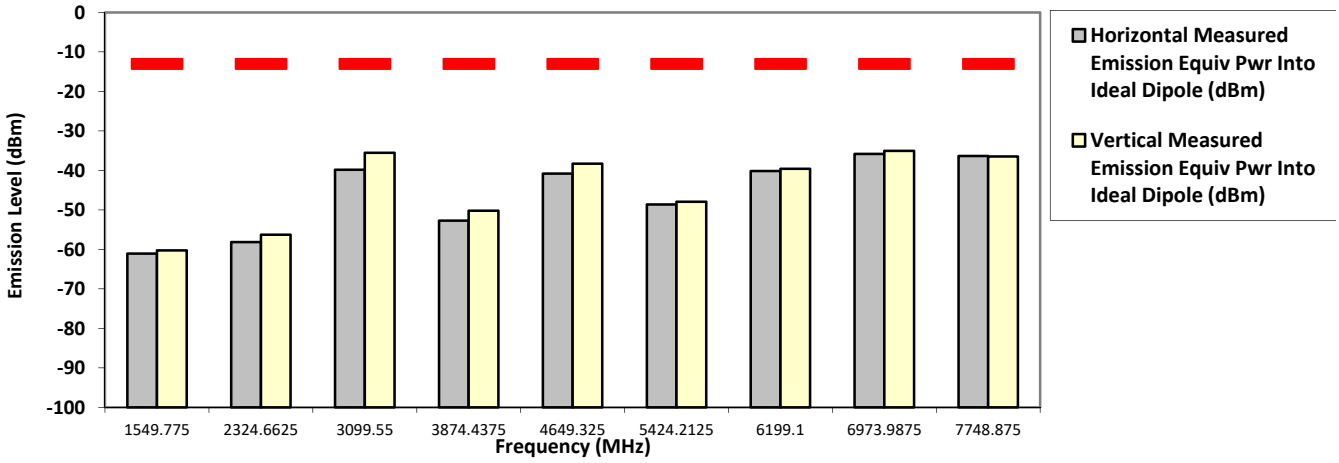
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
774.887500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1549.7750	-13.0000	-61.0532 **	-60.2694 **
2324.6625	-13.0000	-58.1364 **	-56.3006 **
3099.5500	-13.0000	-39.8300 *	-35.5300 *
3874.4375	-13.0000	-52.7216 **	-50.2270 **
4649.3250	-13.0000	-40.8200 *	-38.3200 *
5424.2125	-13.0000	-48.6420 **	-47.9384 **
6199.1000	-13.0000	-40.1600 *	-39.6000 *
6973.9875	-13.0000	-35.8200 *	-35.0700 *
7748.8750	-13.0000	-36.3500 *	-36.4800 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**

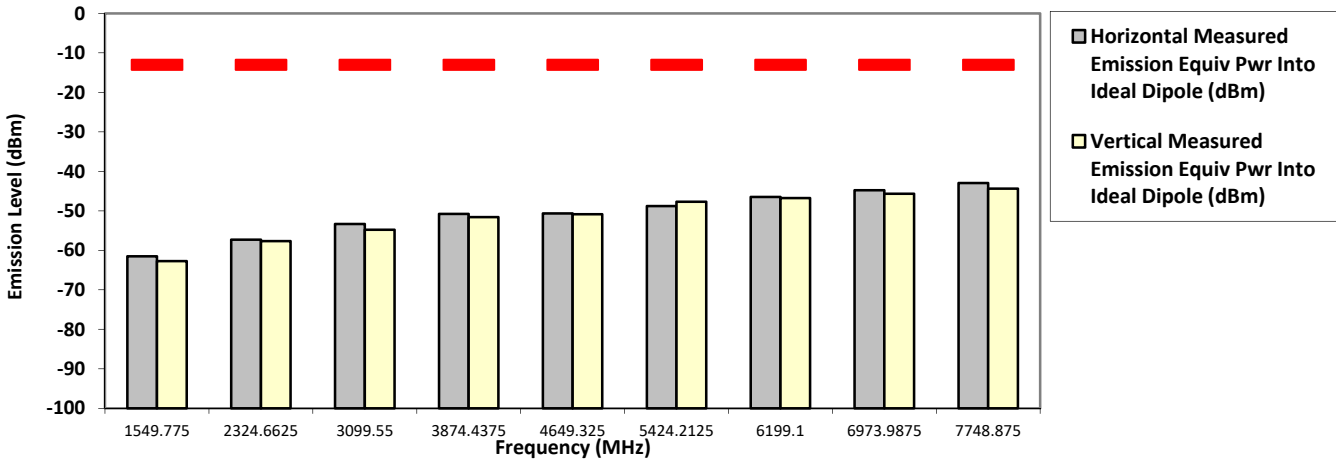
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX Analog

774.887500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1549.7750	-13.0000	-61.5223 **	-62.7523 **
2324.6625	-13.0000	-57.2841 **	-57.6505 **
3099.5500	-13.0000	-53.3301 **	-54.7954 **
3874.4375	-13.0000	-50.7958 **	-51.6106 **
4649.3250	-13.0000	-50.6780 **	-50.8774 **
5424.2125	-13.0000	-48.8123 **	-47.7112 **
6199.1000	-13.0000	-46.4930 **	-46.7524 **
6973.9875	-13.0000	-44.7872 **	-45.6582 **
7748.8750	-13.0000	-42.9565 **	-44.3647 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**

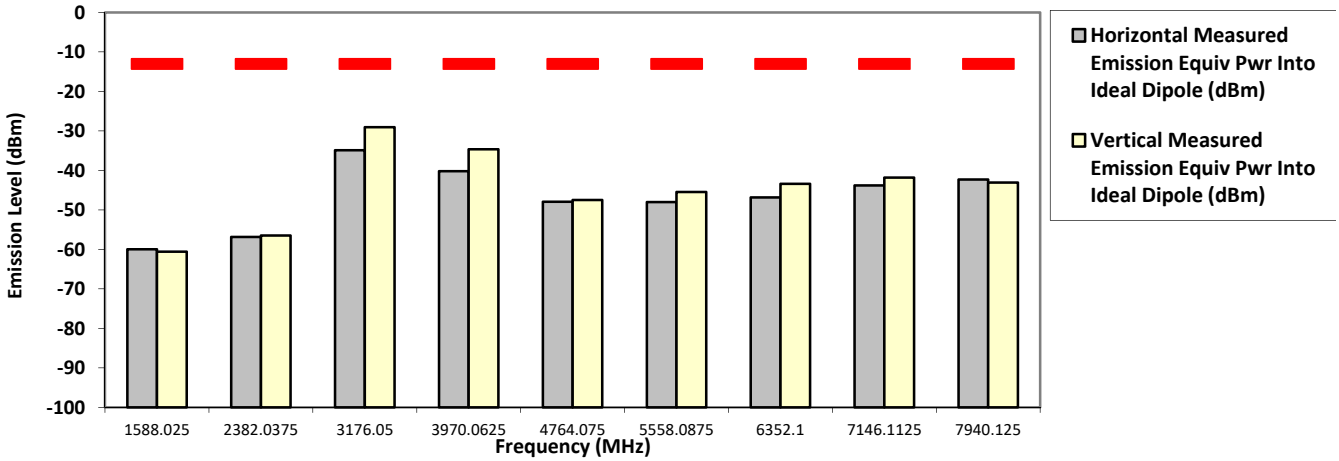
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX Analog

794.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1588.0250	-13.0000	-59.9885 **	-60.5781 **
2382.0375	-13.0000	-56.8756 **	-56.4964 **
3176.0500	-13.0000	-34.8800 *	-29.0700
3970.0625	-13.0000	-40.2000 *	-34.6400 *
4764.0750	-13.0000	-47.9588 **	-47.5071 **
5558.0875	-13.0000	-48.0133 **	-45.4551 **
6352.1000	-13.0000	-46.8586 **	-43.4068 **
7146.1125	-13.0000	-43.8236 **	-41.8375 **
7940.1250	-13.0000	-42.3089 **	-43.0896 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

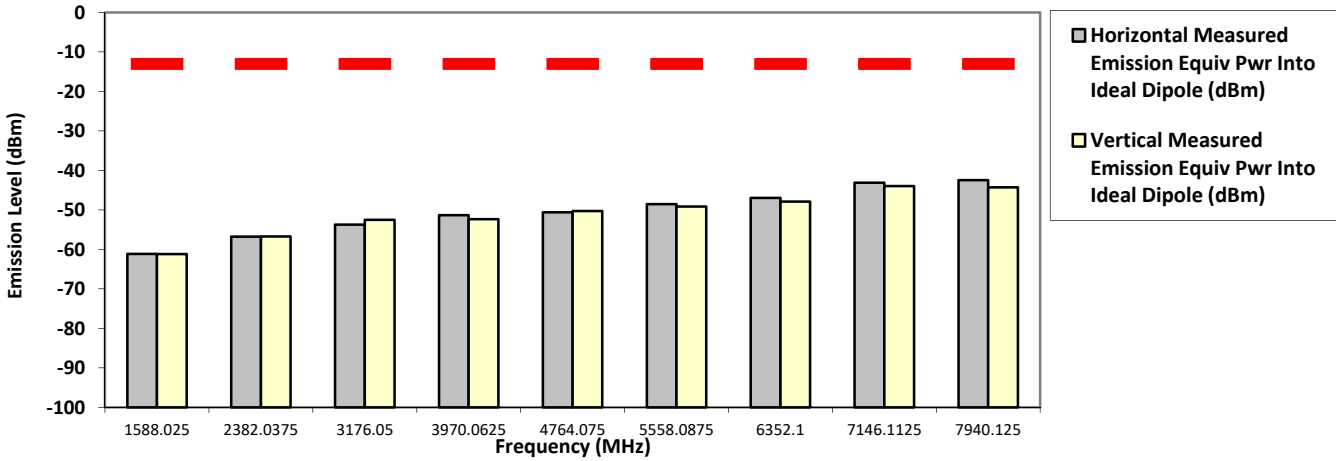
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
794.012500 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)
1588.0250	-13.0000	-61.1729 **	-61.1910 **
2382.0375	-13.0000	-56.7567 **	-56.7487 **
3176.0500	-13.0000	-53.7226 **	-52.5408 **
3970.0625	-13.0000	-51.3360 **	-52.3601 **
4764.0750	-13.0000	-50.6332 **	-50.2765 **
5558.0875	-13.0000	-48.5676 **	-49.1396 **
6352.1000	-13.0000	-46.9819 **	-47.8948 **
7146.1125	-13.0000	-43.1276 **	-43.9713 **
7940.1250	-13.0000	-42.4686 **	-44.2877 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

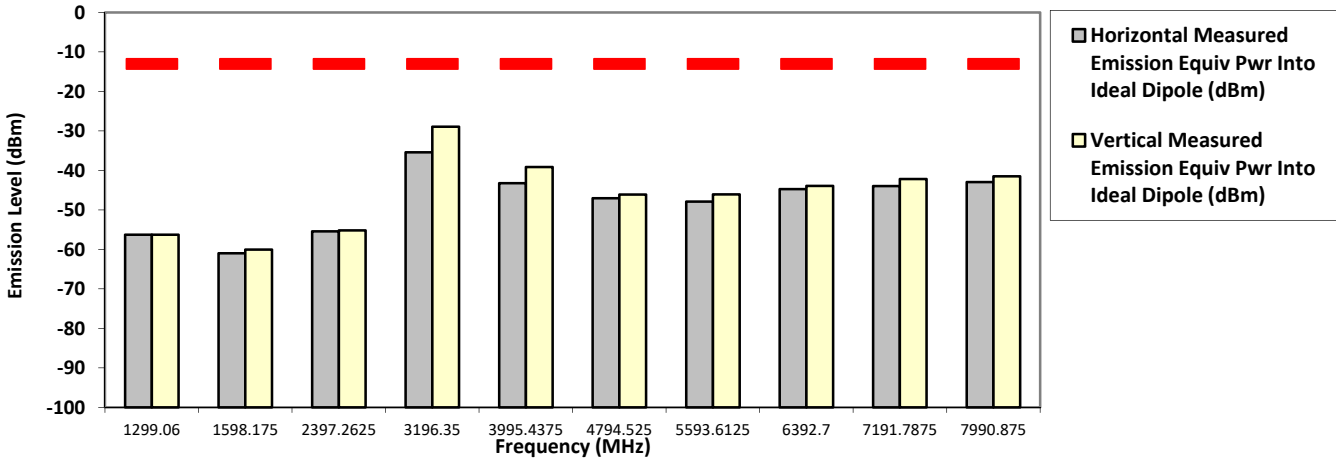
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
799.087500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1299.0600	-13.0000	-56.2900 *	-56.2800 *
1598.1750	-13.0000	-61.0017 **	-60.0488 **
2397.2625	-13.0000	-55.4309 **	-55.1785 **
3196.3500	-13.0000	-35.4200 *	-28.9400
3995.4375	-13.0000	-43.2400 *	-39.1700 *
4794.5250	-13.0000	-47.0491 **	-46.1307 **
5593.6125	-13.0000	-47.8984 **	-46.0662 **
6392.7000	-13.0000	-44.7452 **	-43.9249 **
7191.7875	-13.0000	-43.9535 **	-42.1846 **
7990.8750	-13.0000	-42.9540 **	-41.5156 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

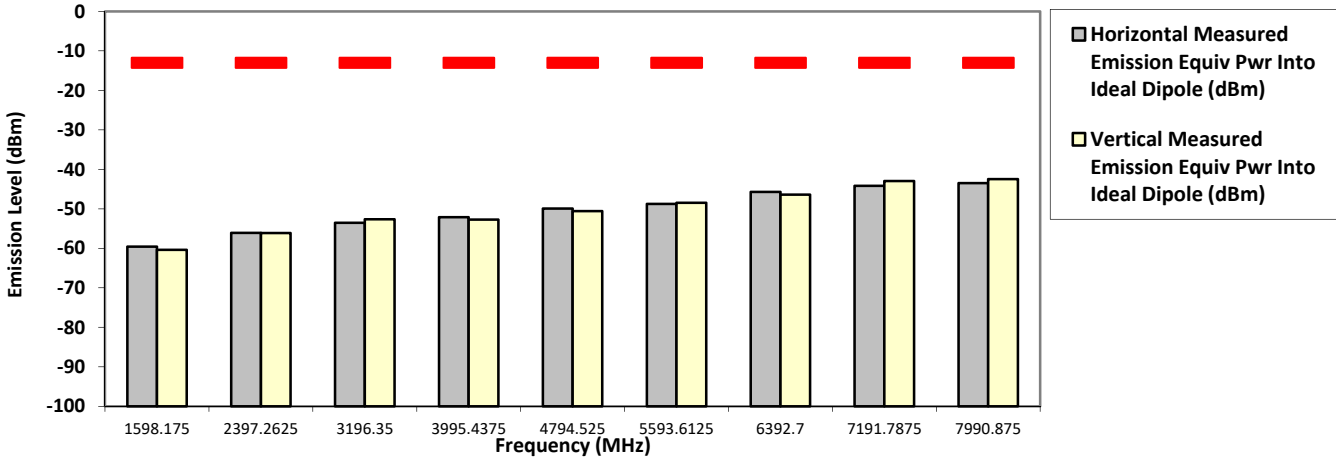
Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
799.087500 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)
1598.1750	-13.0000	-59.5928 **	-60.3818 **
2397.2625	-13.0000	-56.0982 **	-56.1192 **
3196.3500	-13.0000	-53.5453 **	-52.6445 **
3995.4375	-13.0000	-52.1342 **	-52.7108 **
4794.5250	-13.0000	-49.9284 **	-50.5634 **
5593.6125	-13.0000	-48.7651 **	-48.4669 **
6392.7000	-13.0000	-45.7157 **	-46.3932 **
7191.7875	-13.0000	-44.1686 **	-42.9522 **
7990.8750	-13.0000	-43.4952 **	-42.4571 **

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: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

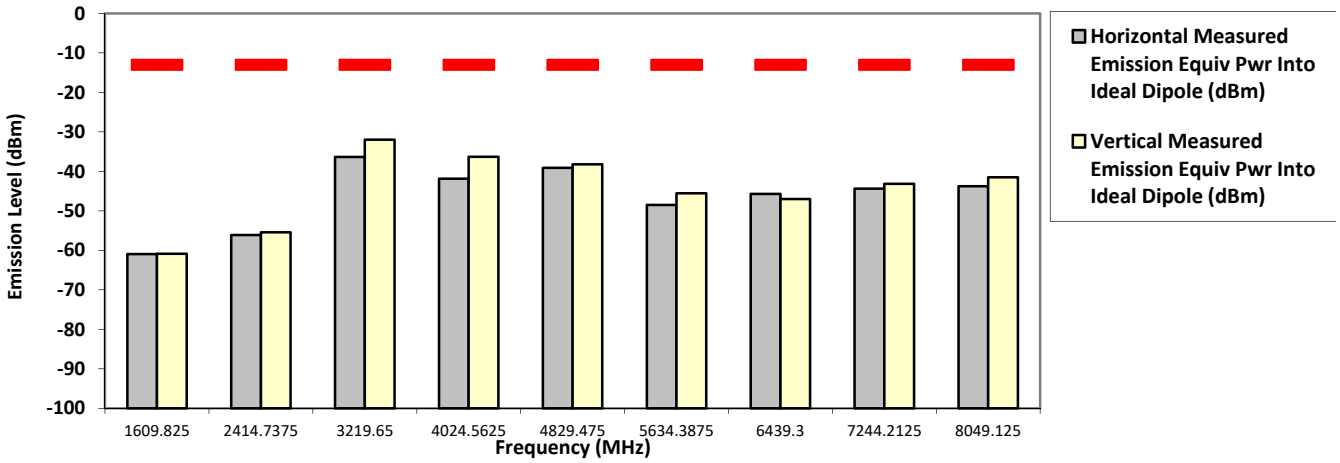
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX Analog
804.912500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1609.8250	-13.0000	-60.9677 **	-60.8865 **
2414.7375	-13.0000	-56.1093 **	-55.4241 **
3219.6500	-13.0000	-36.3500 *	-31.9800
4024.5625	-13.0000	-41.8600 *	-36.3200 *
4829.4750	-13.0000	-39.1300 *	-38.2300 *
5634.3875	-13.0000	-48.5078 **	-45.5524 **
6439.3000	-13.0000	-45.7023 **	-46.9970 **
7244.2125	-13.0000	-44.3939 **	-43.1724 **
8049.1250	-13.0000	-43.7753 **	-41.4926 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**

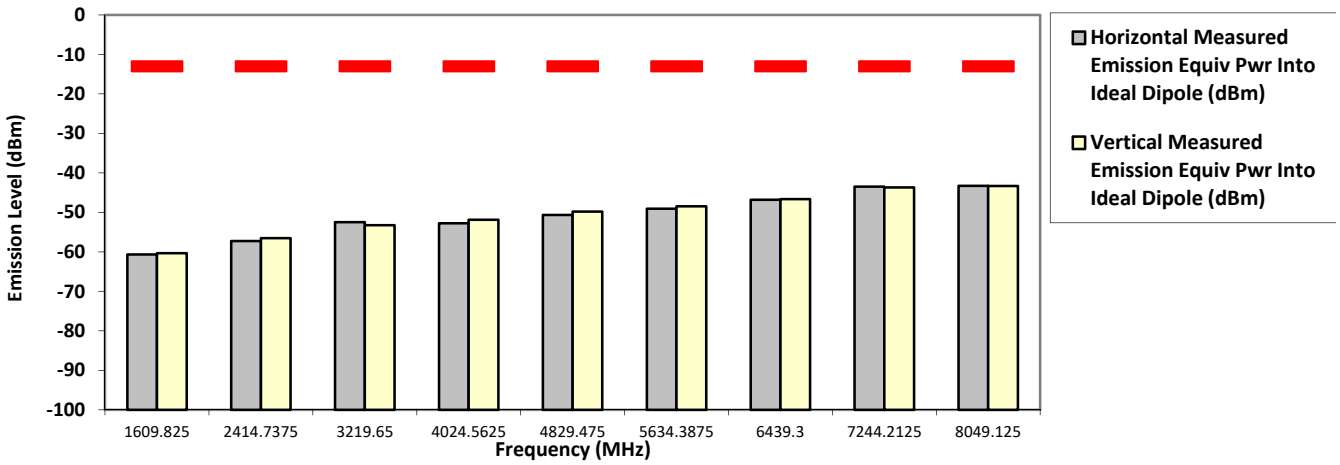
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX Analog

804.912500 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)
1609.8250	-13.0000	-60.6597 **	-60.3493 **
2414.7375	-13.0000	-57.2716 **	-56.5198 **
3219.6500	-13.0000	-52.4914 **	-53.2413 **
4024.5625	-13.0000	-52.7648 **	-51.8647 **
4829.4750	-13.0000	-50.6725 **	-49.8096 **
5634.3875	-13.0000	-49.0806 **	-48.4625 **
6439.3000	-13.0000	-46.7929 **	-46.6650 **
7244.2125	-13.0000	-43.4966 **	-43.6873 **
8049.1250	-13.0000	-43.2727 **	-43.3310 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

6.11.3. Test Result (Digital)

SAC Transmitter Radiated Emission:

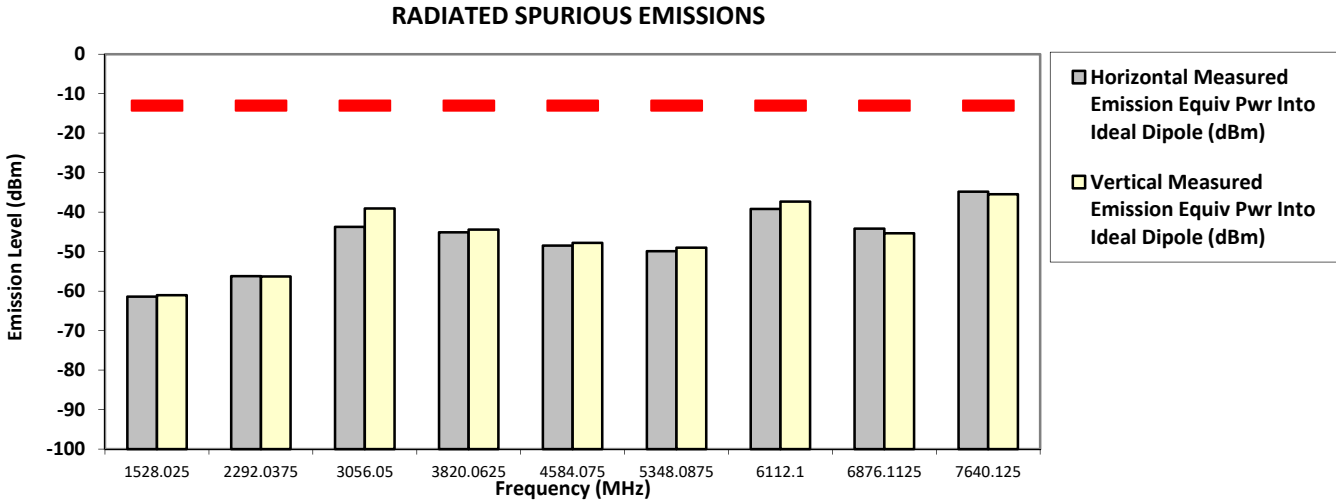
Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**

Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**

Test Mode: TX APCO Digital C4FM

764.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1528.0250	-13.0000	-61.3865 **	-61.0436 **
2292.0375	-13.0000	-56.1952 **	-56.2712 **
3056.0500	-13.0000	-43.7200 *	-39.0600 *
3820.0625	-13.0000	-45.1000 *	-44.4000 *
4584.0750	-13.0000	-48.4876 **	-47.7716 **
5348.0875	-13.0000	-49.9000 **	-49.0066 **
6112.1000	-13.0000	-39.2100 *	-37.3400 *
6876.1125	-13.0000	-44.1695 **	-45.3531 **
7640.1250	-13.0000	-34.8100 *	-35.4600 *



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

Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

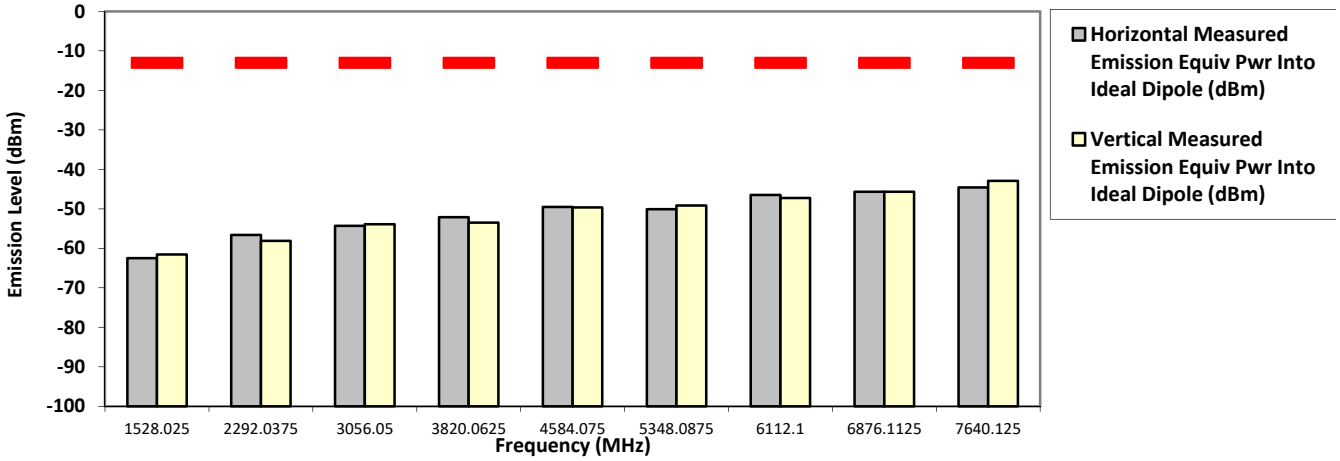
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
764.012500 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)
1528.0250	-13.0000	-62.4781 **	-61.5443 **
2292.0375	-13.0000	-56.6341 **	-58.1066 **
3056.0500	-13.0000	-54.2884 **	-53.8902 **
3820.0625	-13.0000	-52.1251 **	-53.4889 **
4584.0750	-13.0000	-49.5237 **	-49.6369 **
5348.0875	-13.0000	-50.0809 **	-49.1666 **
6112.1000	-13.0000	-46.4935 **	-47.2622 **
6876.1125	-13.0000	-45.6730 **	-45.6886 **
7640.1250	-13.0000	-44.5918 **	-42.9247 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

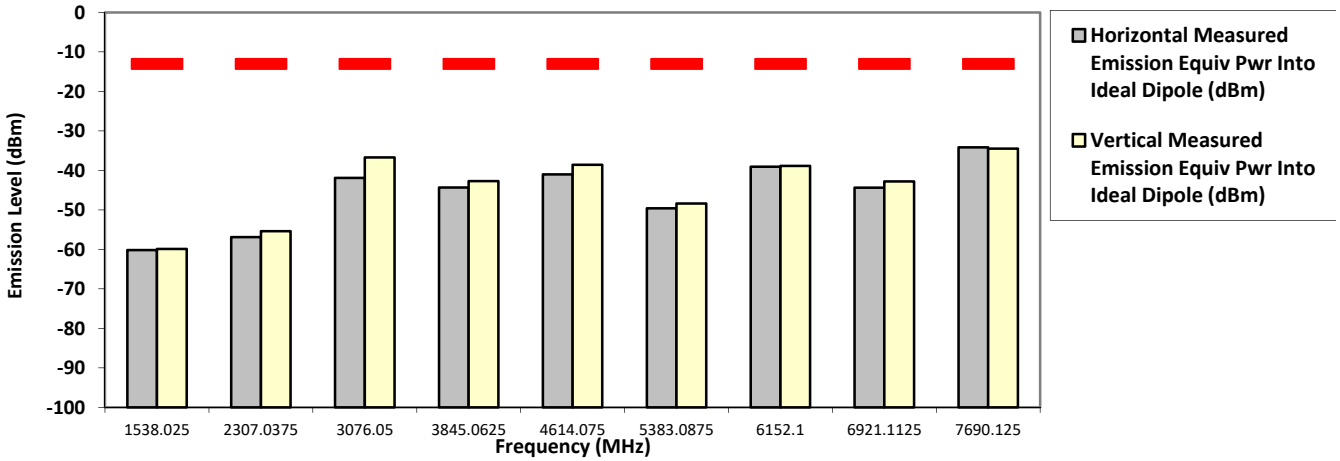
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM

769.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1538.0250	-13.0000	-60.1667 **	-59.8999 **
2307.0375	-13.0000	-56.8856 **	-55.3981 **
3076.0500	-13.0000	-41.9200 *	-36.7100 *
3845.0625	-13.0000	-44.3300 *	-42.7300 *
4614.0750	-13.0000	-41.0300 *	-38.6000 *
5383.0875	-13.0000	-49.5887 **	-48.4041 **
6152.1000	-13.0000	-39.0800 *	-38.8600 *
6921.1125	-13.0000	-44.3882 **	-42.7953 **
7690.1250	-13.0000	-34.1600 *	-34.5100 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

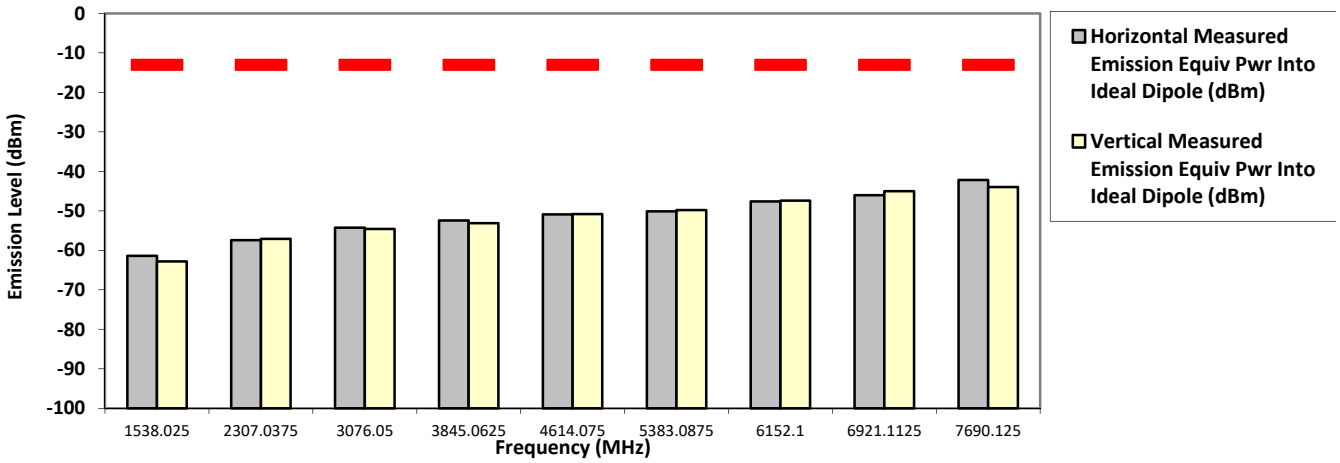
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
769.012500 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)
1538.0250	-13.0000	-61.4068 **	-62.8307 **
2307.0375	-13.0000	-57.4145 **	-57.0850 **
3076.0500	-13.0000	-54.2805 **	-54.5739 **
3845.0625	-13.0000	-52.4376 **	-53.1490 **
4614.0750	-13.0000	-50.8871 **	-50.8176 **
5383.0875	-13.0000	-50.1137 **	-49.8002 **
6152.1000	-13.0000	-47.6205 **	-47.4146 **
6921.1125	-13.0000	-46.0508 **	-45.0168 **
7690.1250	-13.0000	-42.1828 **	-43.9897 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

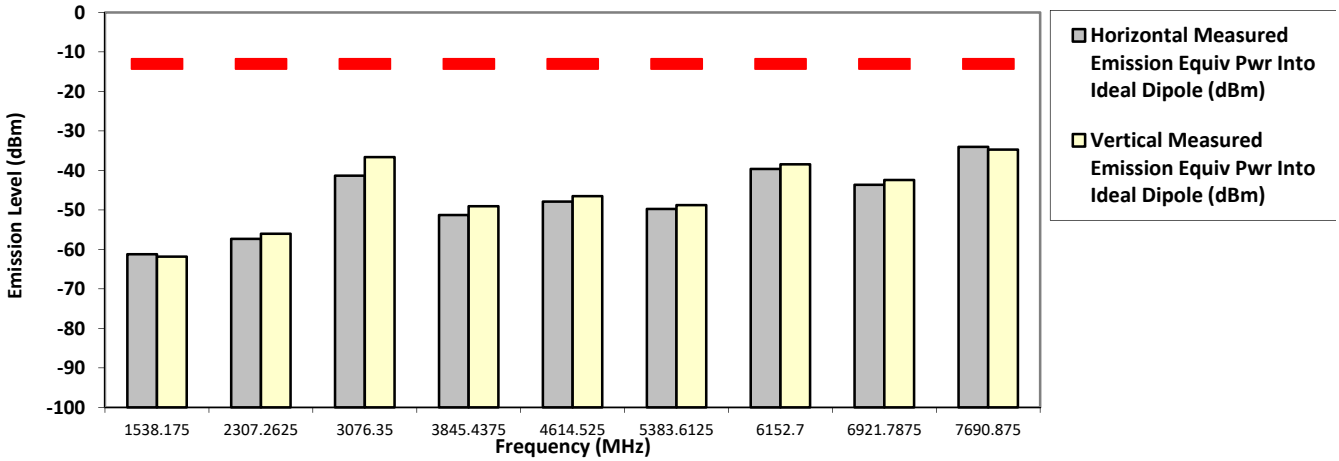
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM

769.087500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1538.1750	-13.0000	-61.2239 **	-61.8486 **
2307.2625	-13.0000	-57.3326 **	-56.0283 **
3076.3500	-13.0000	-41.3600 *	-36.6300 *
3845.4375	-13.0000	-51.2981 **	-49.0860 **
4614.5250	-13.0000	-47.9030 **	-46.5097 **
5383.6125	-13.0000	-49.7602 **	-48.8036 **
6152.7000	-13.0000	-39.6400 *	-38.4700 *
6921.7875	-13.0000	-43.6462 **	-42.4271 **
7690.8750	-13.0000	-34.0300 *	-34.7400 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

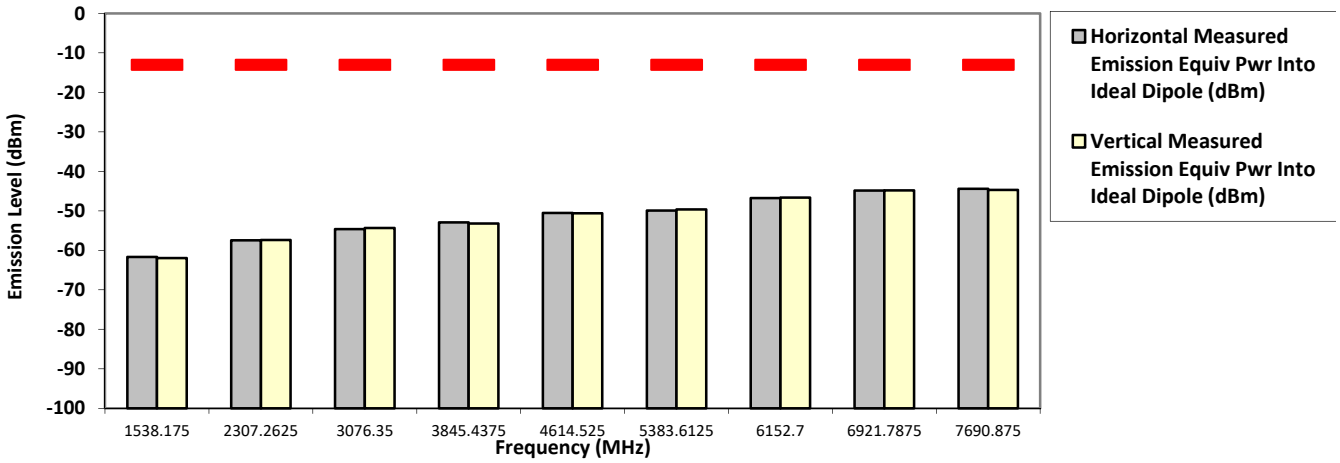
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
769.087500 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)
1538.1750	-13.0000	-61.6763 **	-61.9436 **
2307.2625	-13.0000	-57.4657 **	-57.3923 **
3076.3500	-13.0000	-54.6401 **	-54.3507 **
3845.4375	-13.0000	-52.9457 **	-53.2030 **
4614.5250	-13.0000	-50.5277 **	-50.6355 **
5383.6125	-13.0000	-49.9407 **	-49.6277 **
6152.7000	-13.0000	-46.7794 **	-46.6589 **
6921.7875	-13.0000	-44.8788 **	-44.8234 **
7690.8750	-13.0000	-44.4040 **	-44.6868 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Fri, 27 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

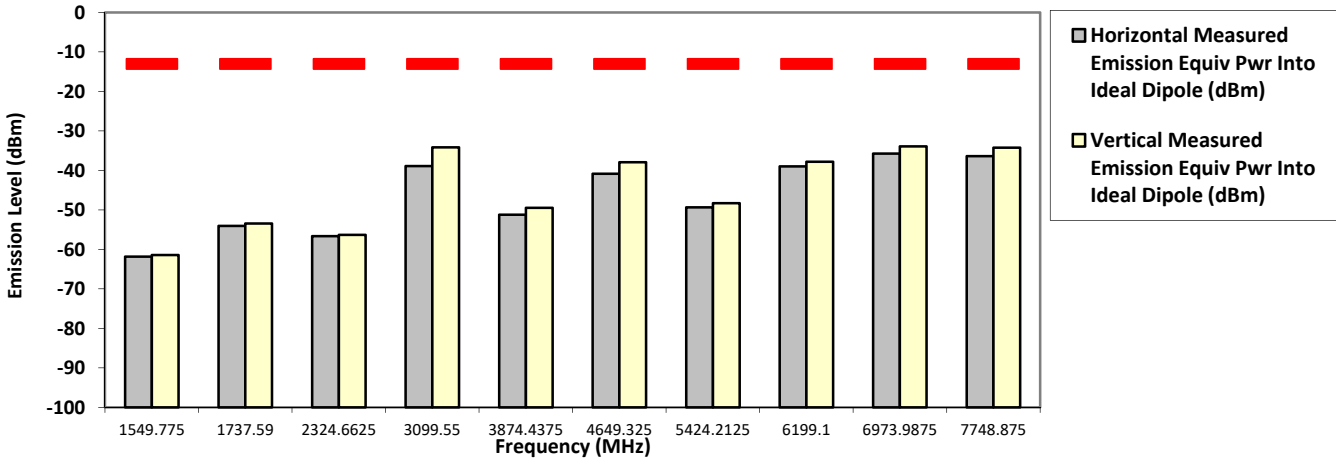
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM

774.887500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1549.7750	-13.0000	-61.8561 **	-61.4219 **
1737.5900	-13.0000	-54.0500 *	-53.4600 *
2324.6625	-13.0000	-56.6510 **	-56.3225 **
3099.5500	-13.0000	-38.9000 *	-34.1700 *
3874.4375	-13.0000	-51.2460 **	-49.4654 **
4649.3250	-13.0000	-40.8400 *	-37.9300 *
5424.2125	-13.0000	-49.3824 **	-48.3074 **
6199.1000	-13.0000	-38.9800 *	-37.8000 *
6973.9875	-13.0000	-35.7300 *	-33.9300 *
7748.8750	-13.0000	-36.3900 *	-34.2700 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

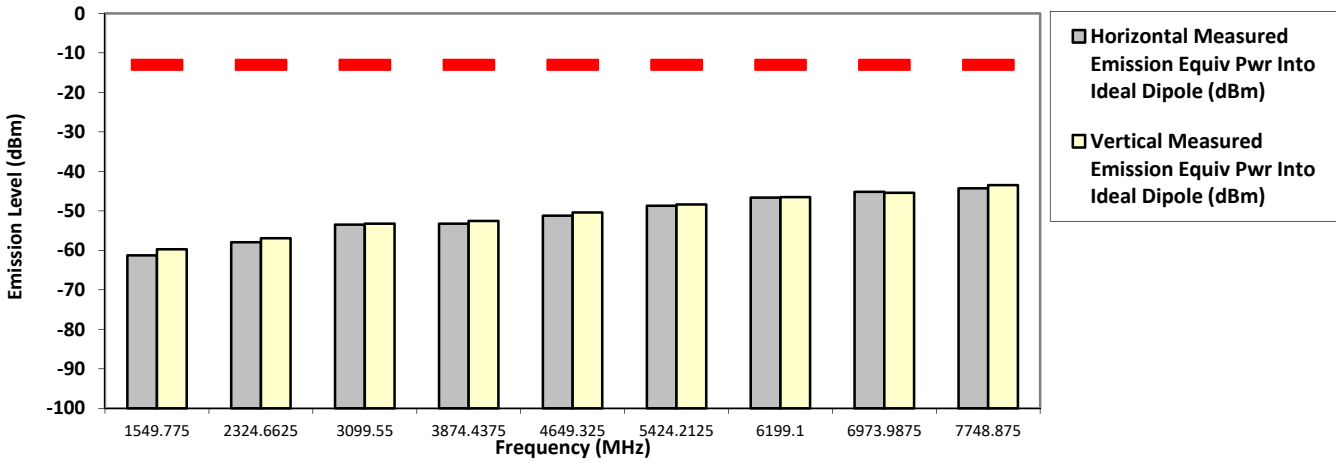
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
774.887500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1549.7750	-13.0000	-61.2895 **	-59.7374 **
2324.6625	-13.0000	-57.9721 **	-56.9456 **
3099.5500	-13.0000	-53.5122 **	-53.2629 **
3874.4375	-13.0000	-53.2488 **	-52.5662 **
4649.3250	-13.0000	-51.2121 **	-50.4334 **
5424.2125	-13.0000	-48.6989 **	-48.4044 **
6199.1000	-13.0000	-46.6616 **	-46.5287 **
6973.9875	-13.0000	-45.2026 **	-45.4224 **
7748.8750	-13.0000	-44.2852 **	-43.4898 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

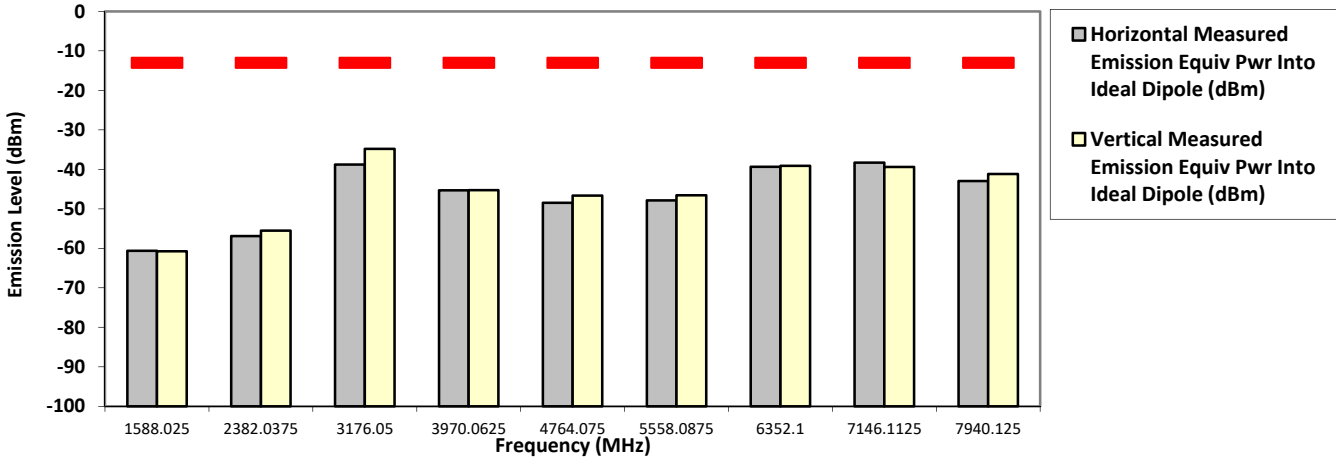
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM

794.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1588.0250	-13.0000	-60.6108 **	-60.7401 **
2382.0375	-13.0000	-56.8821 **	-55.5245 **
3176.0500	-13.0000	-38.7700 *	-34.8300 *
3970.0625	-13.0000	-45.3300 *	-45.2700 *
4764.0750	-13.0000	-48.4816 **	-46.6309 **
5558.0875	-13.0000	-47.8475 **	-46.5595 **
6352.1000	-13.0000	-39.3400 *	-39.1300 *
7146.1125	-13.0000	-38.3000 *	-39.3800 *
7940.1250	-13.0000	-42.9728 **	-41.1778 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

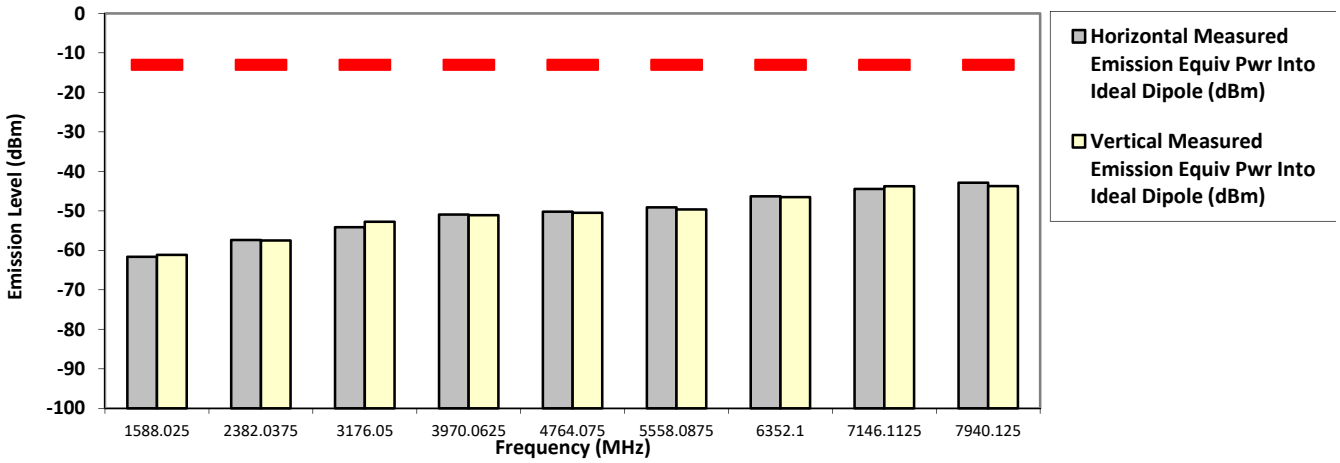
Passed Results	Marginal Results	Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
794.012500 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)
1588.0250	-13.0000	-61.6462 **	-61.1574 **
2382.0375	-13.0000	-57.3807 **	-57.5113 **
3176.0500	-13.0000	-54.1418 **	-52.7775 **
3970.0625	-13.0000	-50.9342 **	-51.1237 **
4764.0750	-13.0000	-50.2324 **	-50.5107 **
5558.0875	-13.0000	-49.1361 **	-49.6540 **
6352.1000	-13.0000	-46.3176 **	-46.5323 **
7146.1125	-13.0000	-44.4679 **	-43.7511 **
7940.1250	-13.0000	-42.8900 **	-43.7474 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

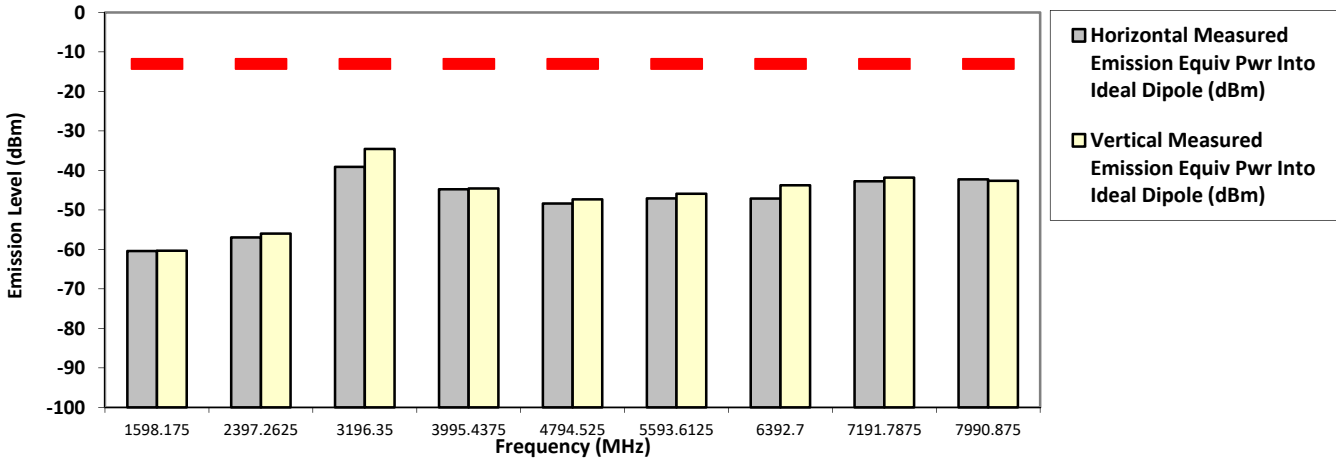
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM

799.087500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1598.1750	-13.0000	-60.4248 **	-60.3387 **
2397.2625	-13.0000	-56.9891 **	-56.0028 **
3196.3500	-13.0000	-39.1200 *	-34.5900 *
3995.4375	-13.0000	-44.7700 *	-44.5900 *
4794.5250	-13.0000	-48.4036 **	-47.3494 **
5593.6125	-13.0000	-47.0810 **	-45.8984 **
6392.7000	-13.0000	-47.1418 **	-43.7717 **
7191.7875	-13.0000	-42.7759 **	-41.8078 **
7990.8750	-13.0000	-42.2771 **	-42.6364 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

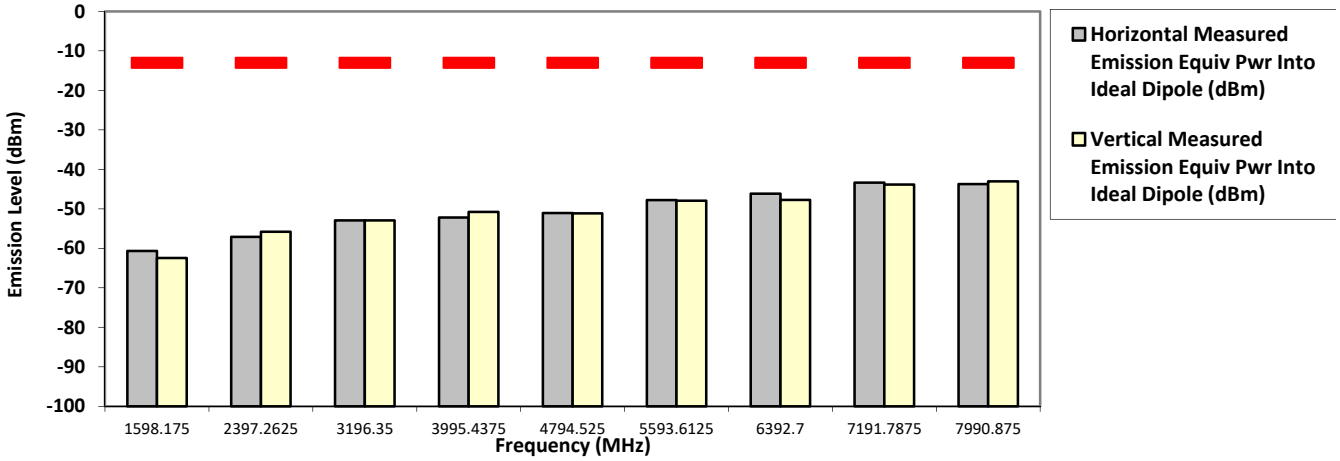
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
799.087500 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)
1598.1750	-13.0000	-60.6598 **	-62.4393 **
2397.2625	-13.0000	-57.1067 **	-55.8058 **
3196.3500	-13.0000	-52.9473 **	-52.9086 **
3995.4375	-13.0000	-52.1863 **	-50.7973 **
4794.5250	-13.0000	-51.0788 **	-51.1347 **
5593.6125	-13.0000	-47.7940 **	-47.9520 **
6392.7000	-13.0000	-46.1818 **	-47.7370 **
7191.7875	-13.0000	-43.3711 **	-43.8465 **
7990.8750	-13.0000	-43.7424 **	-43.0597 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

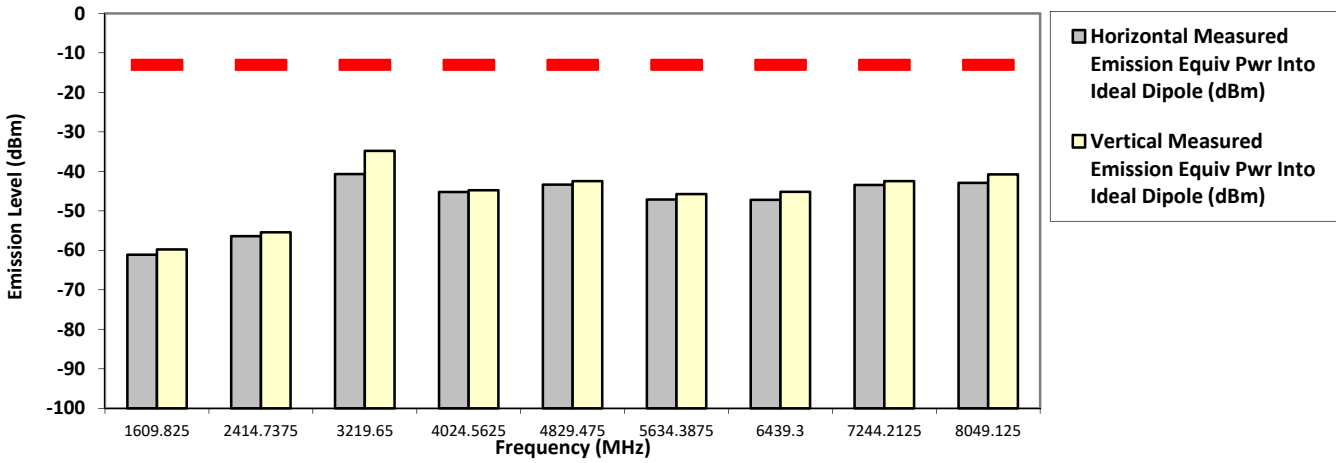
Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
804.912500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1609.8250	-13.0000	-61.1049 **	-59.7801 **
2414.7375	-13.0000	-56.3962 **	-55.4541 **
3219.6500	-13.0000	-40.7100 *	-34.8000 *
4024.5625	-13.0000	-45.2200 *	-44.7800 *
4829.4750	-13.0000	-43.3600 *	-42.4900 *
5634.3875	-13.0000	-47.1357 **	-45.7367 **
6439.3000	-13.0000	-47.2348 **	-45.1756 **
7244.2125	-13.0000	-43.4447 **	-42.4739 **
8049.1250	-13.0000	-42.9219 **	-40.7677 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

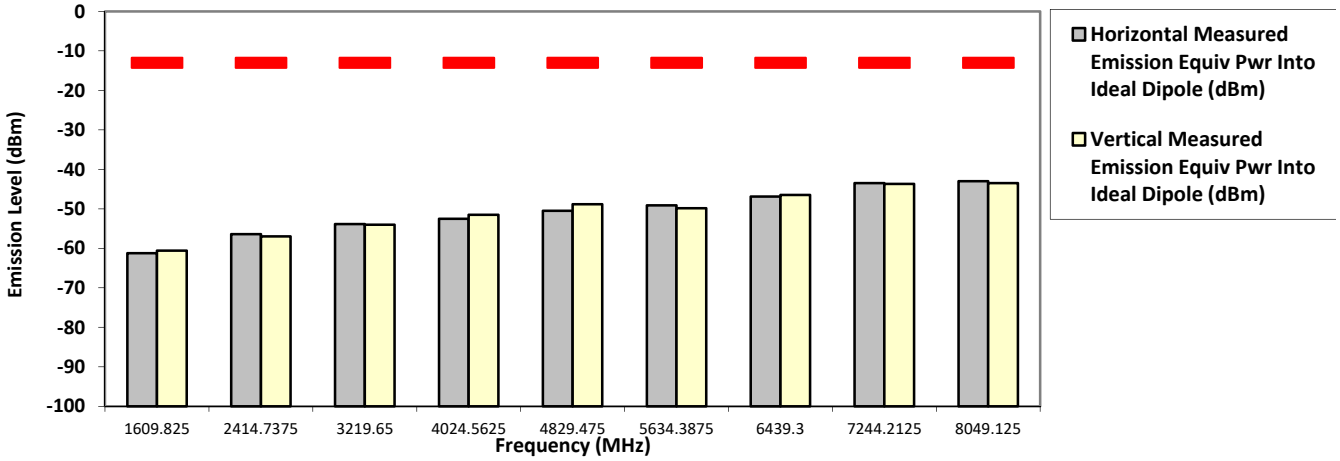
Passed Results	**Marginal Results**	**Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital C4FM
804.912500 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)
1609.8250	-13.0000	-61.2267 **	-60.5870 **
2414.7375	-13.0000	-56.4104 **	-56.9715 **
3219.6500	-13.0000	-53.8688 **	-54.0050 **
4024.5625	-13.0000	-52.5080 **	-51.4990 **
4829.4750	-13.0000	-50.4940 **	-48.8301 **
5634.3875	-13.0000	-49.1097 **	-49.8328 **
6439.3000	-13.0000	-46.8856 **	-46.4835 **
7244.2125	-13.0000	-43.4673 **	-43.6741 **
8049.1250	-13.0000	-42.9848 **	-43.4808 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

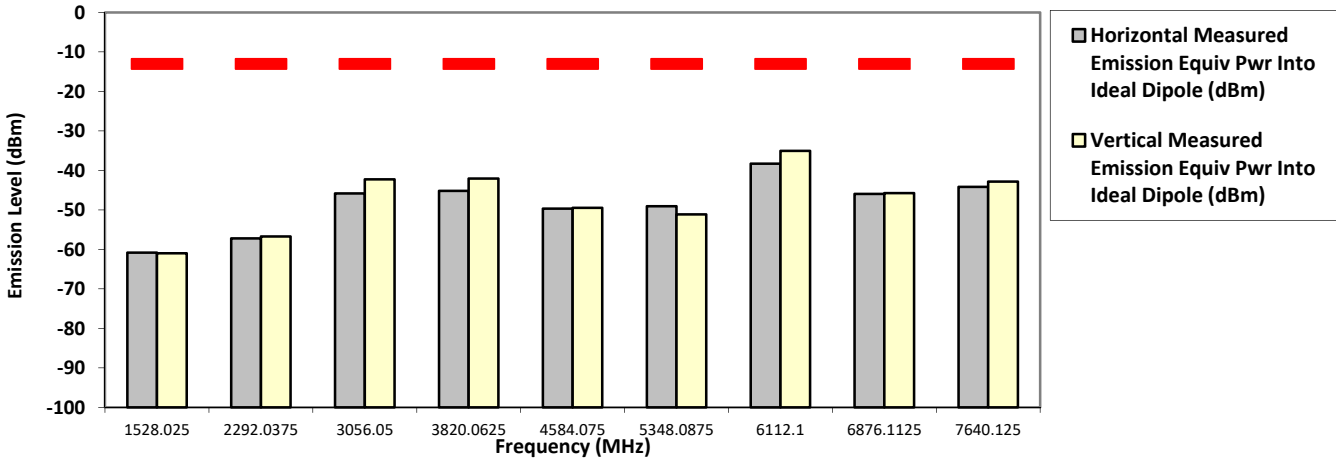
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

764.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1528.0250	-13.0000	-60.8356 **	-60.9865 **
2292.0375	-13.0000	-57.2135 **	-56.7284 **
3056.0500	-13.0000	-45.8500 *	-42.2700 *
3820.0625	-13.0000	-45.1800 *	-42.0800 *
4584.0750	-13.0000	-49.6967 **	-49.4978 **
5348.0875	-13.0000	-49.0623 **	-51.1282 **
6112.1000	-13.0000	-38.3200 *	-35.0500 *
6876.1125	-13.0000	-45.9501 **	-45.7718 **
7640.1250	-13.0000	-44.1873 **	-42.8232 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

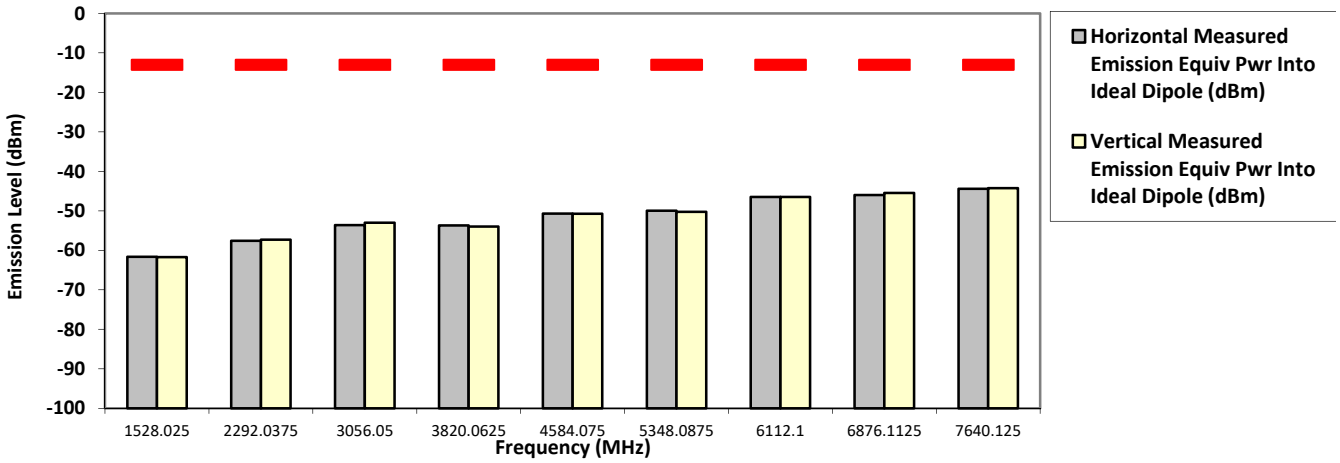
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
764.012500 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)
1528.0250	-13.0000	-61.6274 **	-61.7295 **
2292.0375	-13.0000	-57.5869 **	-57.2926 **
3056.0500	-13.0000	-53.6316 **	-53.0212 **
3820.0625	-13.0000	-53.6994 **	-53.9852 **
4584.0750	-13.0000	-50.6875 **	-50.7338 **
5348.0875	-13.0000	-49.9641 **	-50.2393 **
6112.1000	-13.0000	-46.4731 **	-46.4859 **
6876.1125	-13.0000	-45.9799 **	-45.4598 **
7640.1250	-13.0000	-44.4181 **	-44.2422 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

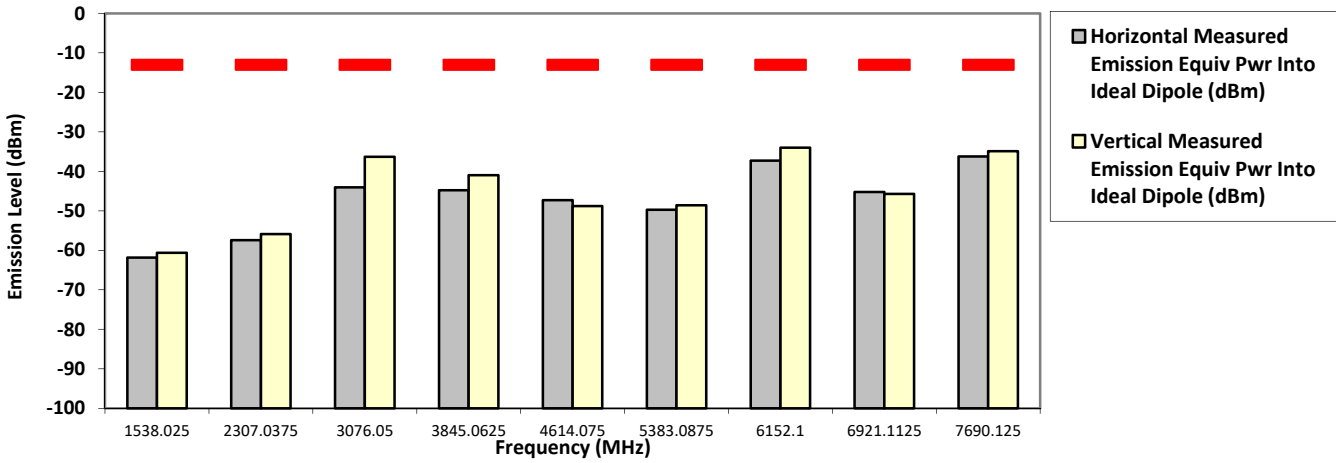
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

769.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1538.0250	-13.0000	-61.8388 **	-60.6084 **
2307.0375	-13.0000	-57.4132 **	-55.8773 **
3076.0500	-13.0000	-44.0400 *	-36.3200 *
3845.0625	-13.0000	-44.7900 *	-40.9700 *
4614.0750	-13.0000	-47.2944 **	-48.8032 **
5383.0875	-13.0000	-49.7242 **	-48.5974 **
6152.1000	-13.0000	-37.2700 *	-34.0200 *
6921.1125	-13.0000	-45.2096 **	-45.7344 **
7690.1250	-13.0000	-36.2300 *	-34.8900 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

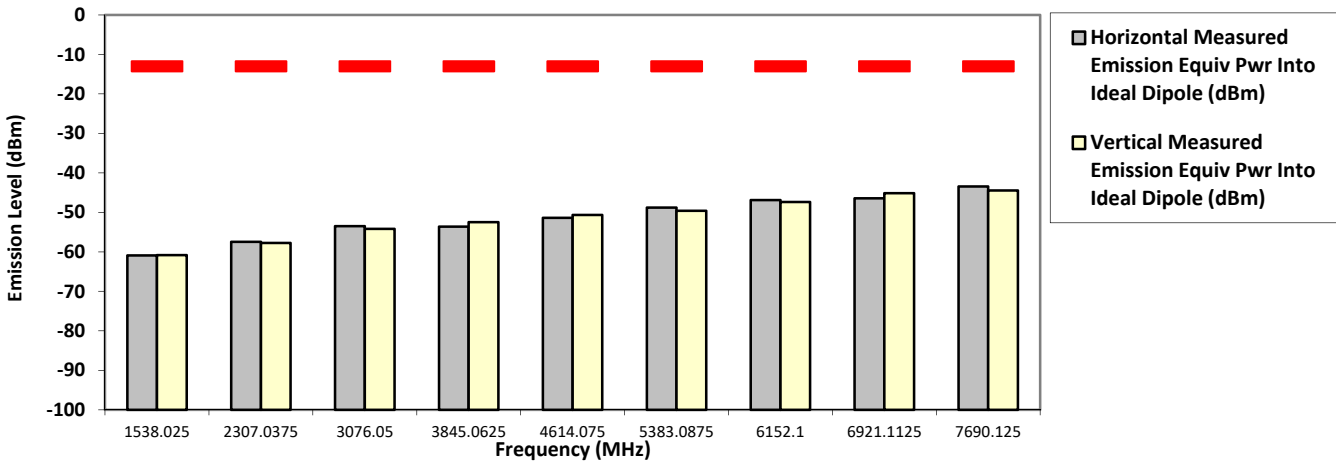
System MU: 4.03 dB

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

S/N: PHUW1001H-CF2 **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
769.012500 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)
1538.0250	-13.0000	-60.9222 **	-60.8257 **
2307.0375	-13.0000	-57.4756 **	-57.7457 **
3076.0500	-13.0000	-53.5148 **	-54.1732 **
3845.0625	-13.0000	-53.6032 **	-52.5007 **
4614.0750	-13.0000	-51.3923 **	-50.6457 **
5383.0875	-13.0000	-48.7929 **	-49.6131 **
6152.1000	-13.0000	-46.8731 **	-47.3796 **
6921.1125	-13.0000	-46.4628 **	-45.1622 **
7690.1250	-13.0000	-43.4529 **	-44.4486 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results

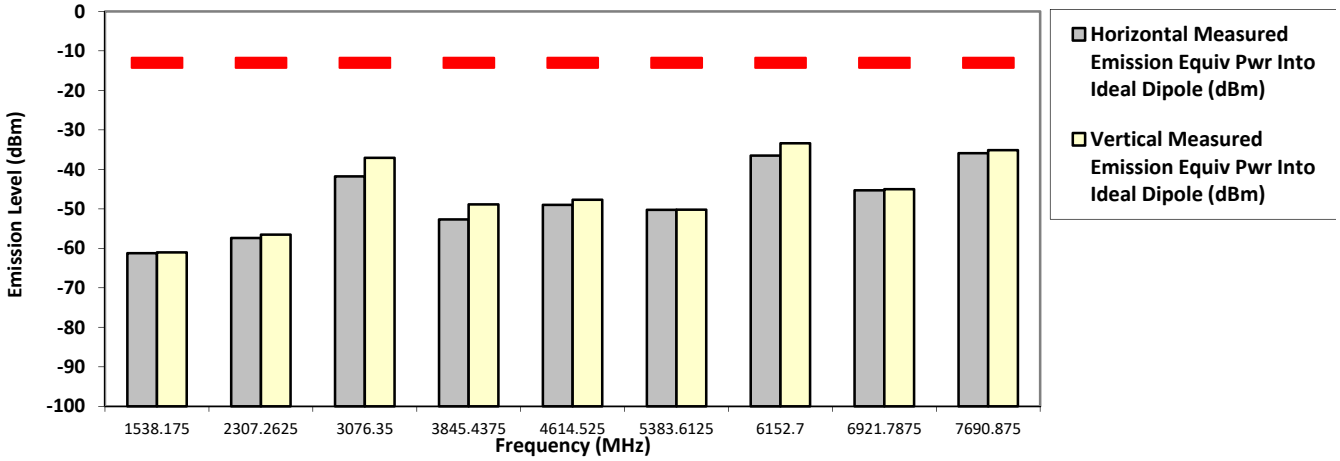
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

769.087500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1538.1750	-13.0000	-61.2332 **	-61.0497 **
2307.2625	-13.0000	-57.3793 **	-56.5420 **
3076.3500	-13.0000	-41.7900 *	-37.0900 *
3845.4375	-13.0000	-52.6761 **	-48.8752 **
4614.5250	-13.0000	-48.9795 **	-47.6913 **
5383.6125	-13.0000	-50.2350 **	-50.2194 **
6152.7000	-13.0000	-36.5100 *	-33.4100 *
6921.7875	-13.0000	-45.3097 **	-45.0265 **
7690.8750	-13.0000	-35.9300 *	-35.1300 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

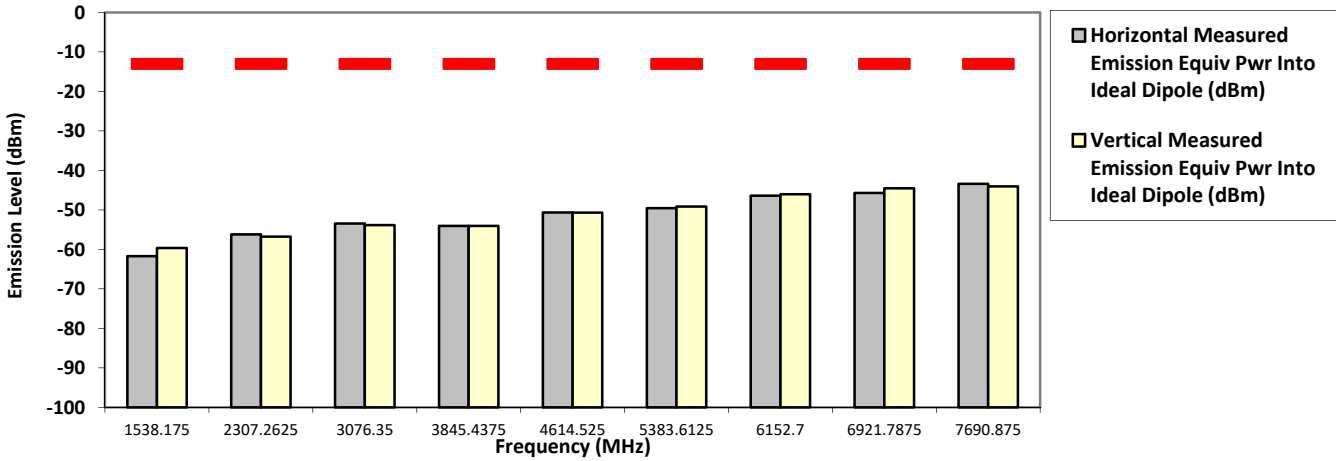
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
769.087500 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)
1538.1750	-13.0000	-61.7068 **	-59.6648 **
2307.2625	-13.0000	-56.2183 **	-56.7757 **
3076.3500	-13.0000	-53.4480 **	-53.8767 **
3845.4375	-13.0000	-54.0647 **	-54.0700 **
4614.5250	-13.0000	-50.6786 **	-50.6898 **
5383.6125	-13.0000	-49.5522 **	-49.1514 **
6152.7000	-13.0000	-46.4084 **	-46.0430 **
6921.7875	-13.0000	-45.7358 **	-44.5417 **
7690.8750	-13.0000	-43.4114 **	-44.0479 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

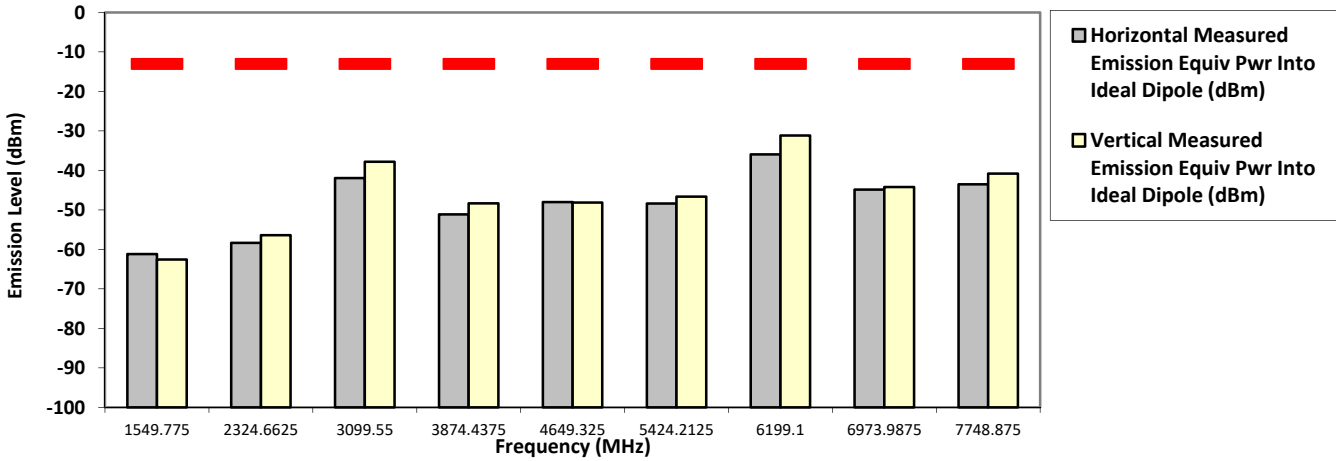
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

774.887500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1549.7750	-13.0000	-61.1984 **	-62.5650 **
2324.6625	-13.0000	-58.3371 **	-56.4231 **
3099.5500	-13.0000	-41.9400 *	-37.8100 *
3874.4375	-13.0000	-51.1413 **	-48.3370 **
4649.3250	-13.0000	-48.0336 **	-48.1429 **
5424.2125	-13.0000	-48.3797 **	-46.6391 **
6199.1000	-13.0000	-35.9500 *	-31.1800
6973.9875	-13.0000	-44.8810 **	-44.2346 **
7748.8750	-13.0000	-43.5348 **	-40.8114 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

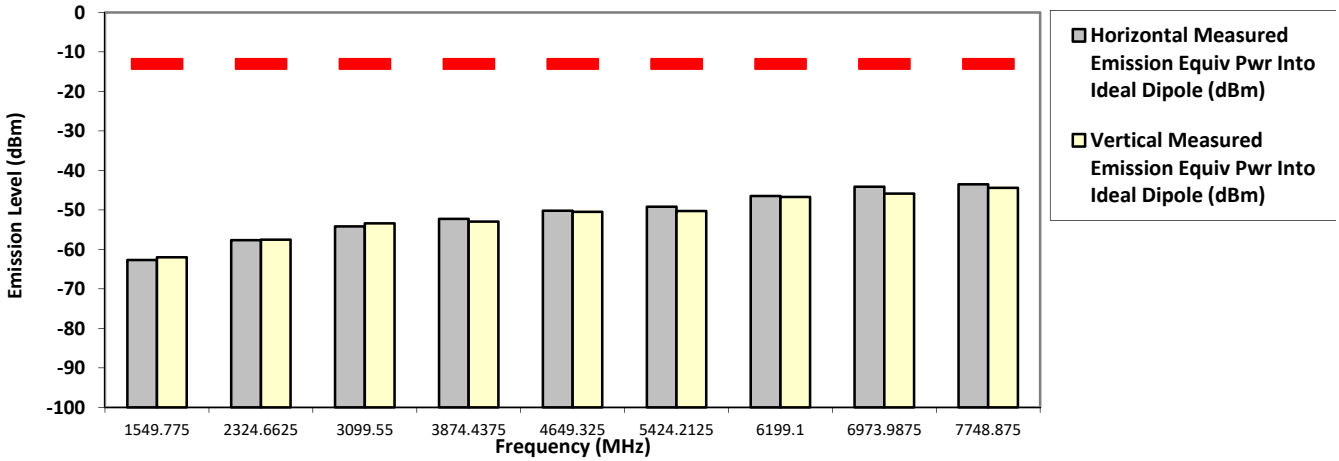
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
774.887500 MHz **12.5 kHz** **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1549.7750	-13.0000	-62.6800 **	-61.9939 **
2324.6625	-13.0000	-57.6850 **	-57.5390 **
3099.5500	-13.0000	-54.1836 **	-53.4198 **
3874.4375	-13.0000	-52.2629 **	-52.9873 **
4649.3250	-13.0000	-50.2182 **	-50.5110 **
5424.2125	-13.0000	-49.1862 **	-50.2956 **
6199.1000	-13.0000	-46.5017 **	-46.7242 **
6973.9875	-13.0000	-44.1364 **	-45.8749 **
7748.8750	-13.0000	-43.5219 **	-44.4251 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

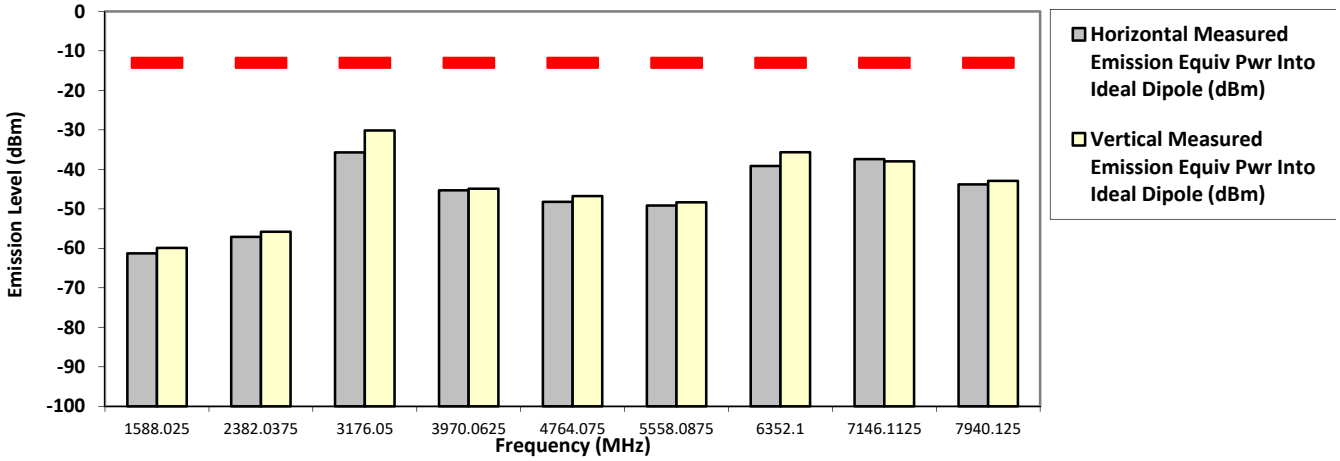
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

794.012500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1588.0250	-13.0000	-61.2782 **	-59.8895 **
2382.0375	-13.0000	-57.1175 **	-55.8160 **
3176.0500	-13.0000	-35.6900 *	-30.1500
3970.0625	-13.0000	-45.3200 *	-44.9200 *
4764.0750	-13.0000	-48.2205 **	-46.7542 **
5558.0875	-13.0000	-49.1606 **	-48.3476 **
6352.1000	-13.0000	-39.1400 *	-35.6700 *
7146.1125	-13.0000	-37.3900 *	-37.9700 *
7940.1250	-13.0000	-43.8284 **	-42.9181 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

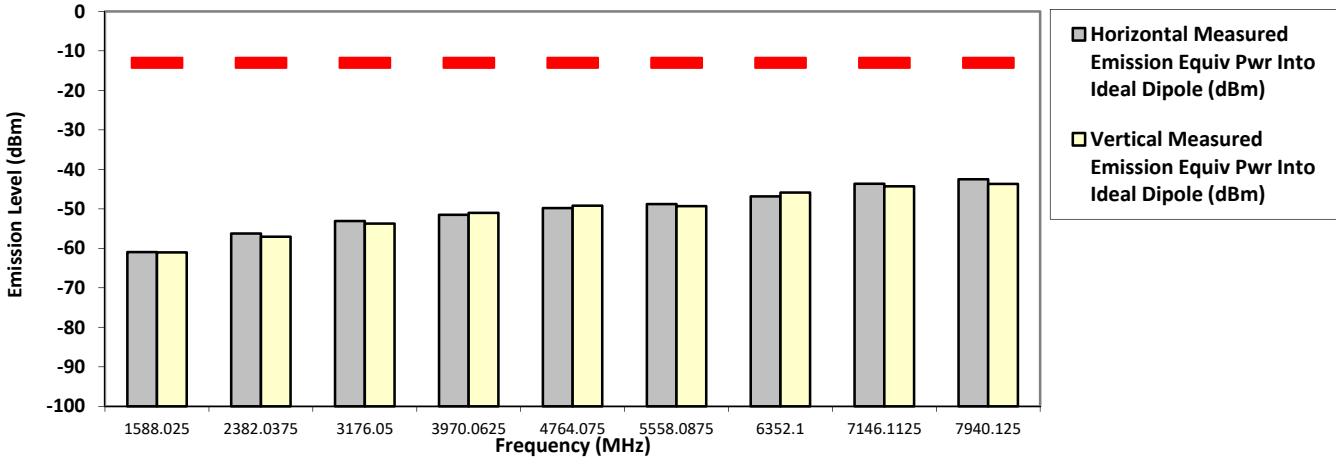
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
794.012500 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)
1588.0250	-13.0000	-60.9662 **	-61.0289 **
2382.0375	-13.0000	-56.2414 **	-57.0781 **
3176.0500	-13.0000	-53.0887 **	-53.7455 **
3970.0625	-13.0000	-51.4920 **	-51.0349 **
4764.0750	-13.0000	-49.7946 **	-49.1936 **
5558.0875	-13.0000	-48.7857 **	-49.3030 **
6352.1000	-13.0000	-46.8674 **	-45.8914 **
7146.1125	-13.0000	-43.6413 **	-44.2944 **
7940.1250	-13.0000	-42.5041 **	-43.7012 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

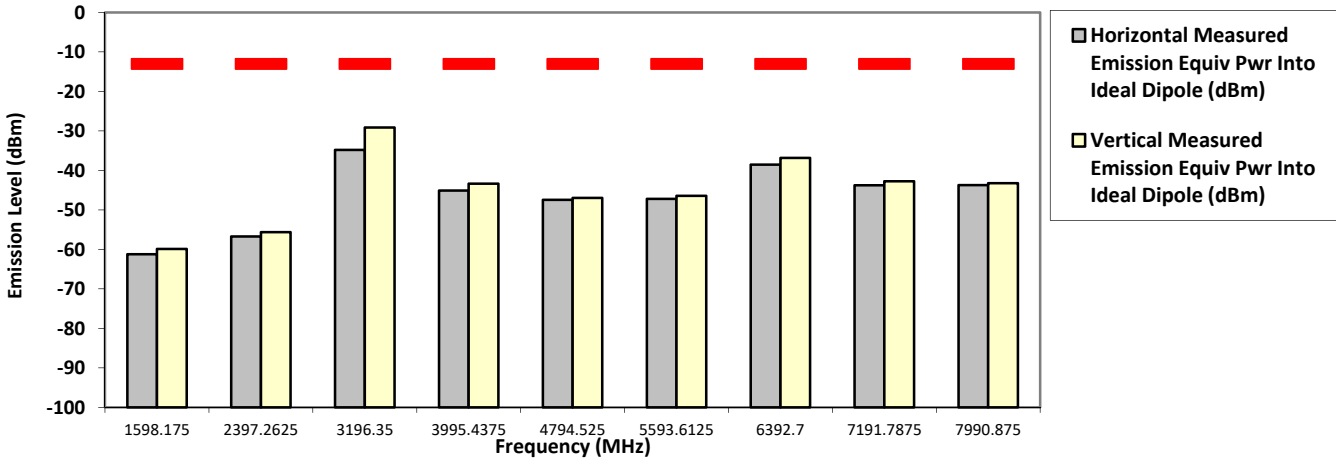
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

799.087500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1598.1750	-13.0000	-61.2257 **	-59.9127 **
2397.2625	-13.0000	-56.7544 **	-55.6355 **
3196.3500	-13.0000	-34.8300 *	-29.1400
3995.4375	-13.0000	-45.1000 *	-43.3600 *
4794.5250	-13.0000	-47.4616 **	-46.9588 **
5593.6125	-13.0000	-47.2085 **	-46.4290 **
6392.7000	-13.0000	-38.5300 *	-36.8600 *
7191.7875	-13.0000	-43.7573 **	-42.7599 **
7990.8750	-13.0000	-43.7316 **	-43.2446 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

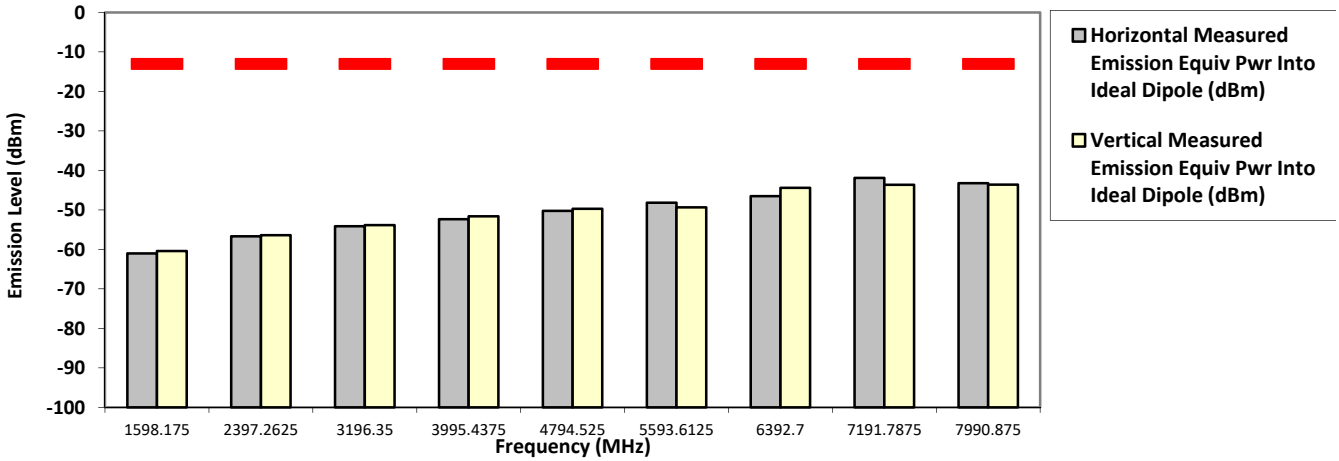
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
799.087500 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)
1598.1750	-13.0000	-61.0497 **	-60.4062 **
2397.2625	-13.0000	-56.6766 **	-56.4014 **
3196.3500	-13.0000	-54.1529 **	-53.8556 **
3995.4375	-13.0000	-52.3643 **	-51.6249 **
4794.5250	-13.0000	-50.2383 **	-49.7073 **
5593.6125	-13.0000	-48.1893 **	-49.3762 **
6392.7000	-13.0000	-46.5351 **	-44.4139 **
7191.7875	-13.0000	-41.9172 **	-43.6635 **
7990.8750	-13.0000	-43.2510 **	-43.5901 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

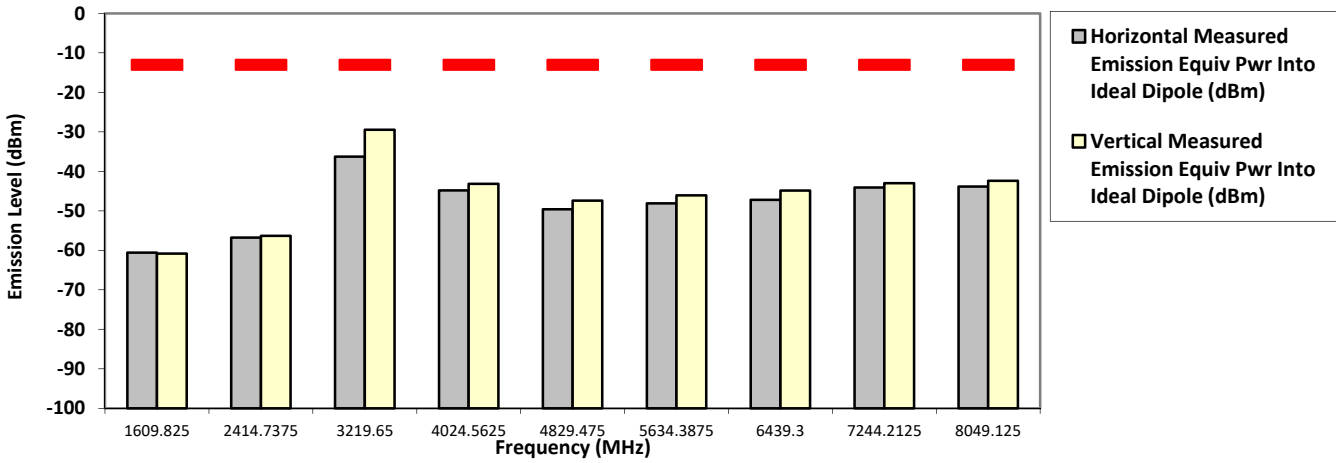
SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II

804.912500 MHz **12.5 kHz** **36.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1609.8250	-13.0000	-60.6008 **	-60.8276 **
2414.7375	-13.0000	-56.7720 **	-56.3114 **
3219.6500	-13.0000	-36.2900 *	-29.4700
4024.5625	-13.0000	-44.8400 *	-43.1600 *
4829.4750	-13.0000	-49.5935 **	-47.3981 **
5634.3875	-13.0000	-48.1081 **	-46.0958 **
6439.3000	-13.0000	-47.2268 **	-44.8663 **
7244.2125	-13.0000	-44.1050 **	-43.0010 **
8049.1250	-13.0000	-43.8630 **	-42.4127 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

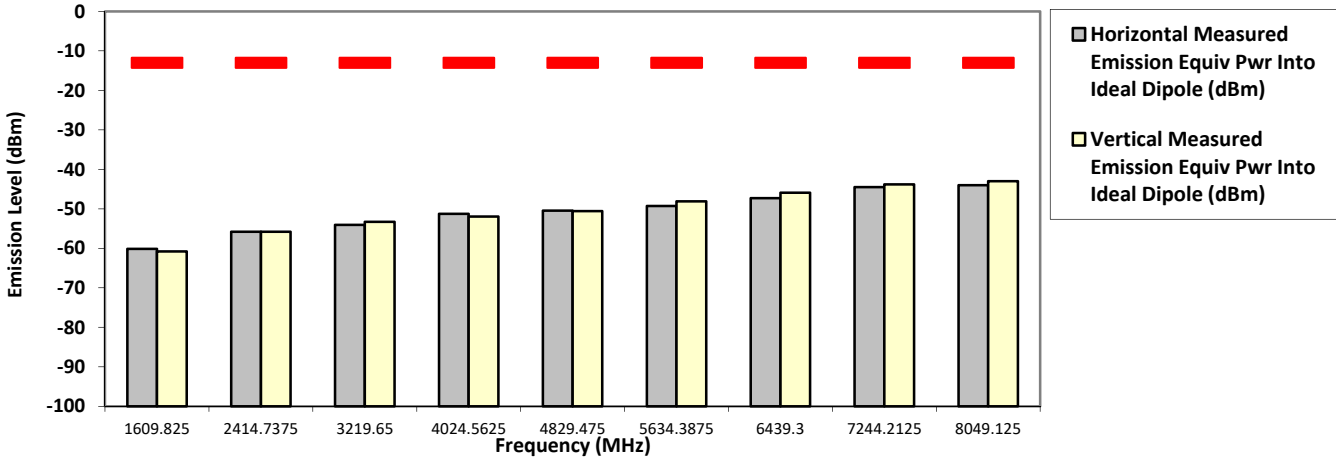
Remarks: Passed Results | **Marginal Results** | **Failed Results**

SAC Transmitter Radiated Emission:

Model Number: M37TXS9PW1AN **S/N: PHUW1001H-CF2** **SR:08878-EMC-00042**
Battery Part No: NA **Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01**
Test Mode: TX APCO Digital Phase II
804.912500 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)
1609.8250	-13.0000	-60.1392 **	-60.8005 **
2414.7375	-13.0000	-55.7943 **	-55.8076 **
3219.6500	-13.0000	-54.0511 **	-53.2864 **
4024.5625	-13.0000	-51.2601 **	-51.9493 **
4829.4750	-13.0000	-50.4660 **	-50.5684 **
5634.3875	-13.0000	-49.2818 **	-48.1176 **
6439.3000	-13.0000	-47.3154 **	-45.9035 **
7244.2125	-13.0000	-44.4906 **	-43.8227 **
8049.1250	-13.0000	-43.9959 **	-43.0125 **

RADIATED SPURIOUS EMISSIONS



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Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman **Sat, 28 Nov, 2020**

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): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

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

6.11.4. Test Limit

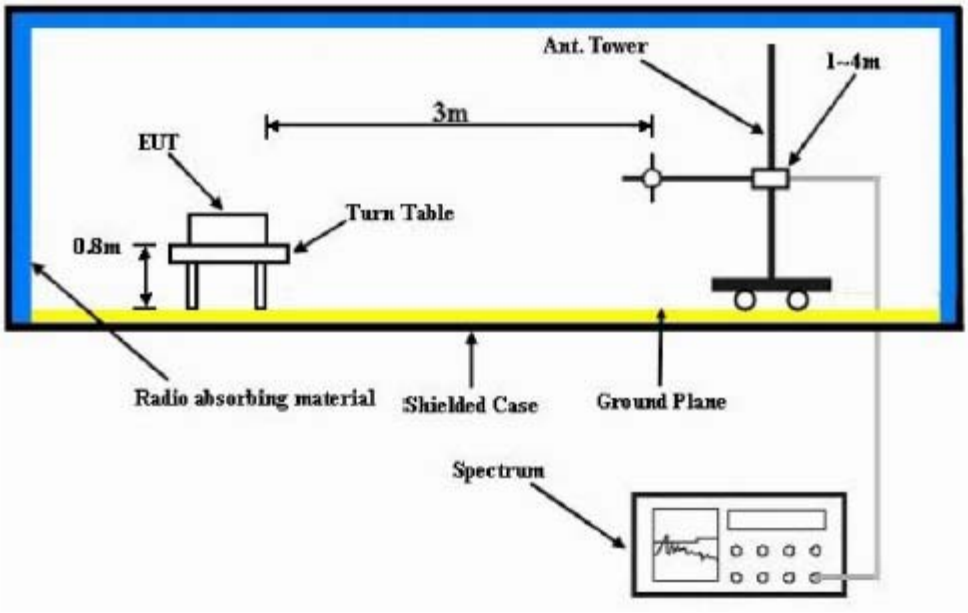
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

EIRP/ERP

S/N: PHUW1001H-RF1 **Tx Power: 2.990 Watts**
Channel Spacing : 25 kHz **Modulation: FM**
Accessory: HAF4013A, HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194AC-CF9, PMUN1057B-CF2

Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Vert.	799.0125	34.70	32.55

S/N: PHUW1001H-RF1 **Tx Power: 2.990 Watts**
Channel Spacing : 25 kHz **Modulation: FM**
Accessory: HAF4013A, HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194AC-CF9, PMUN1057B-CF2

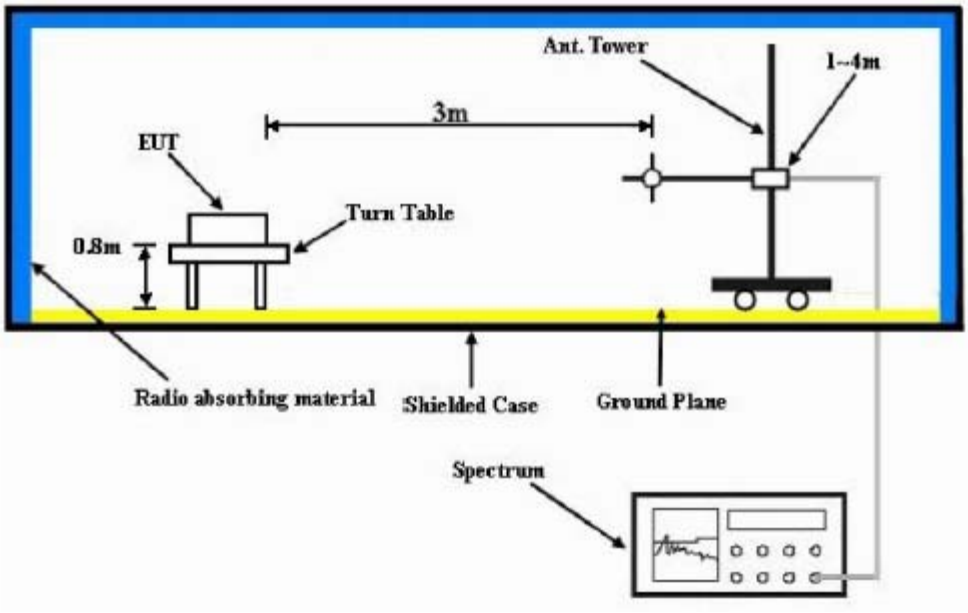
Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Vert.	769.0125	34.39	32.24

6.12.3. Test Limit

The maximum output power of the transmitter for narrowband low power and narrowband low power itinerant channels must not exceed 2W ERP per 90.531(b)(3),(4)

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 ~