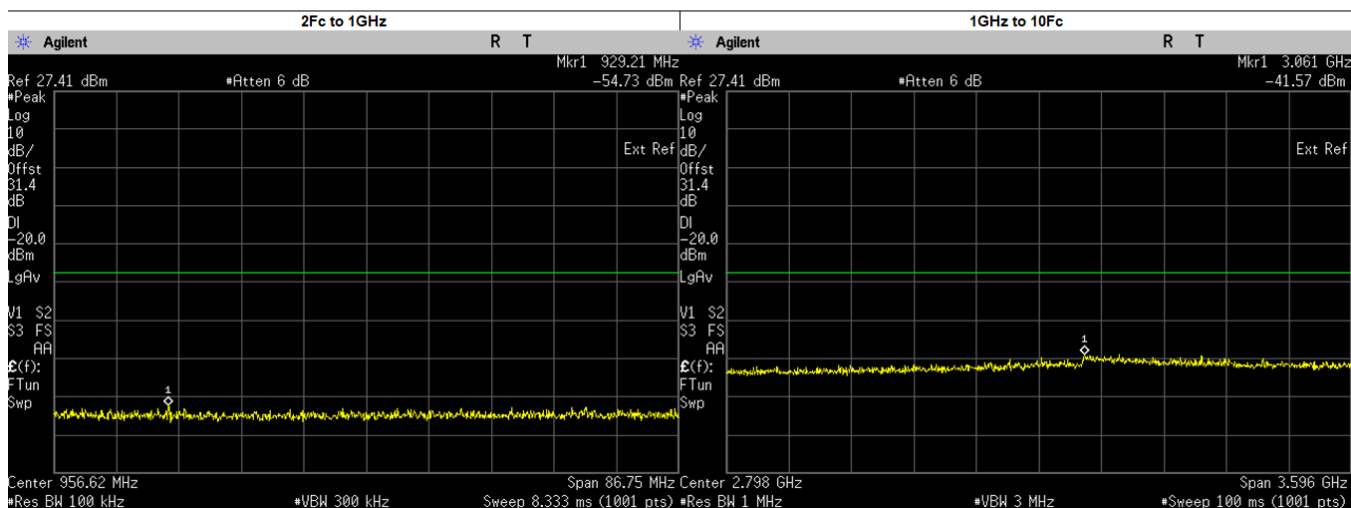
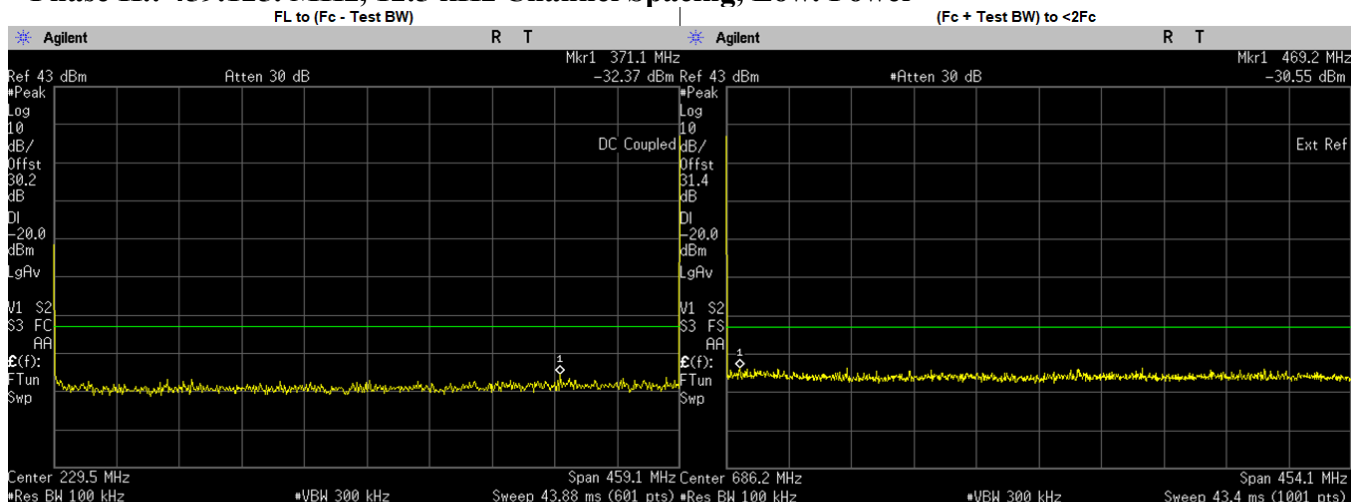
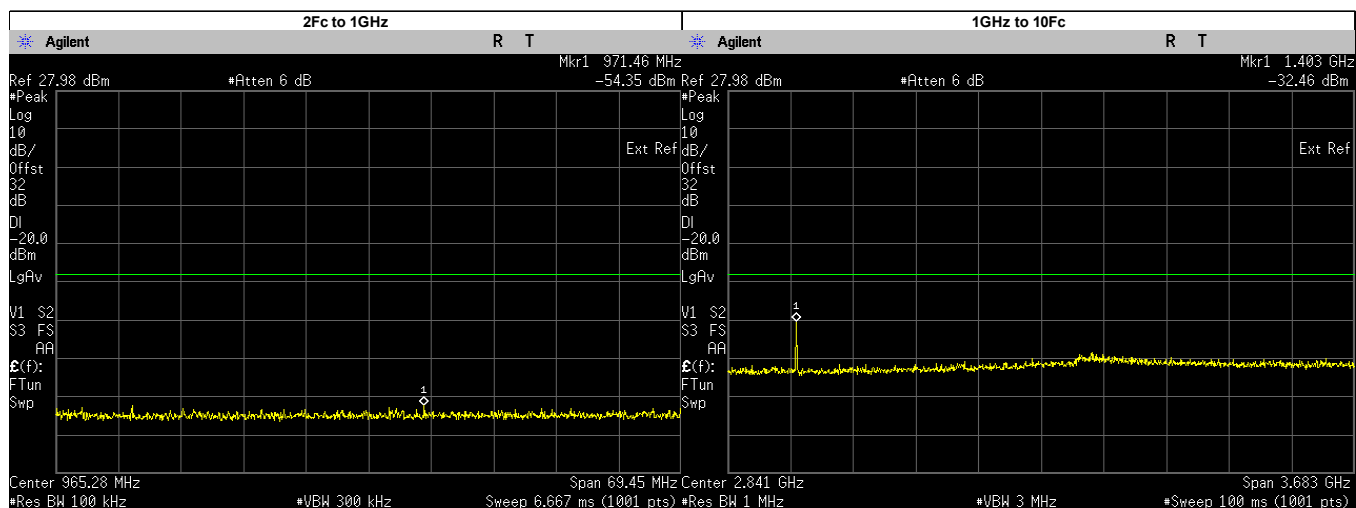
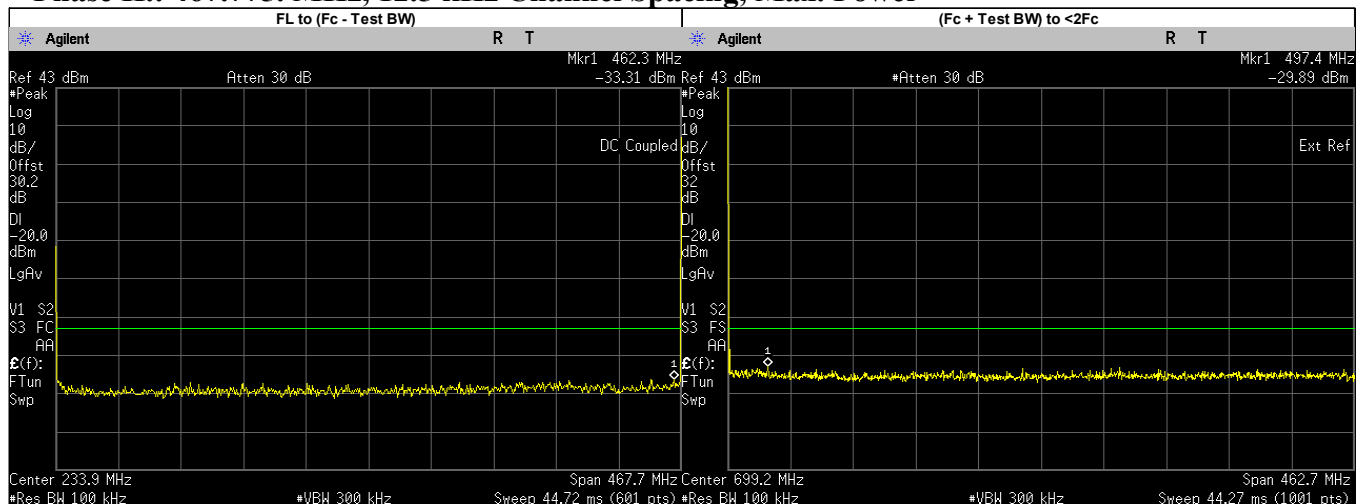


Phase II.: 459.125. MHz, 12.5 kHz Channel Spacing, Low. Power



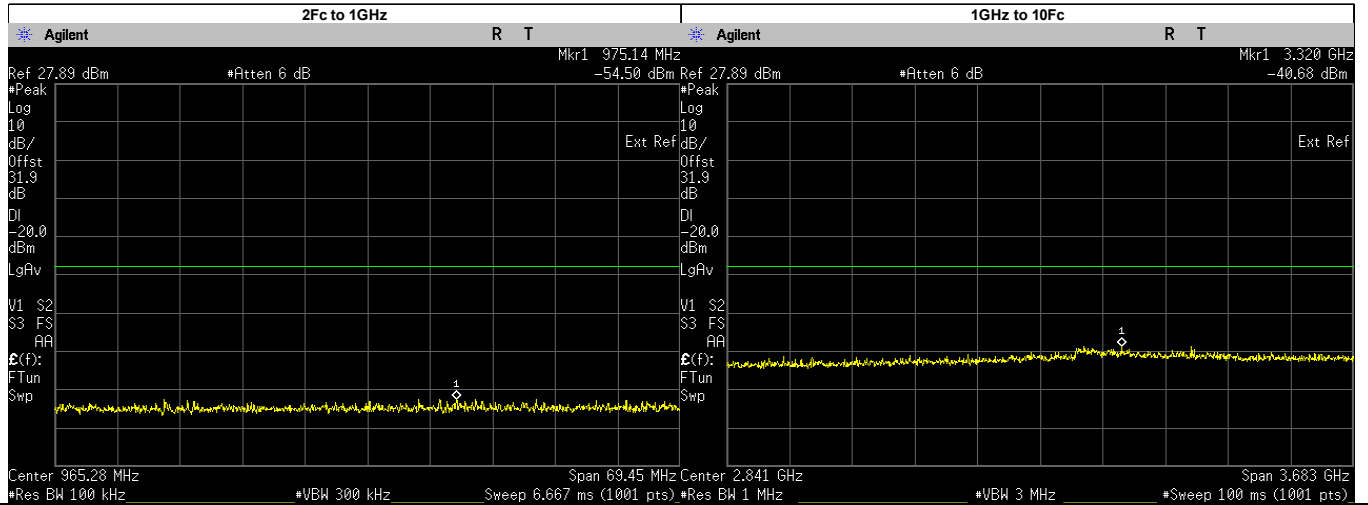
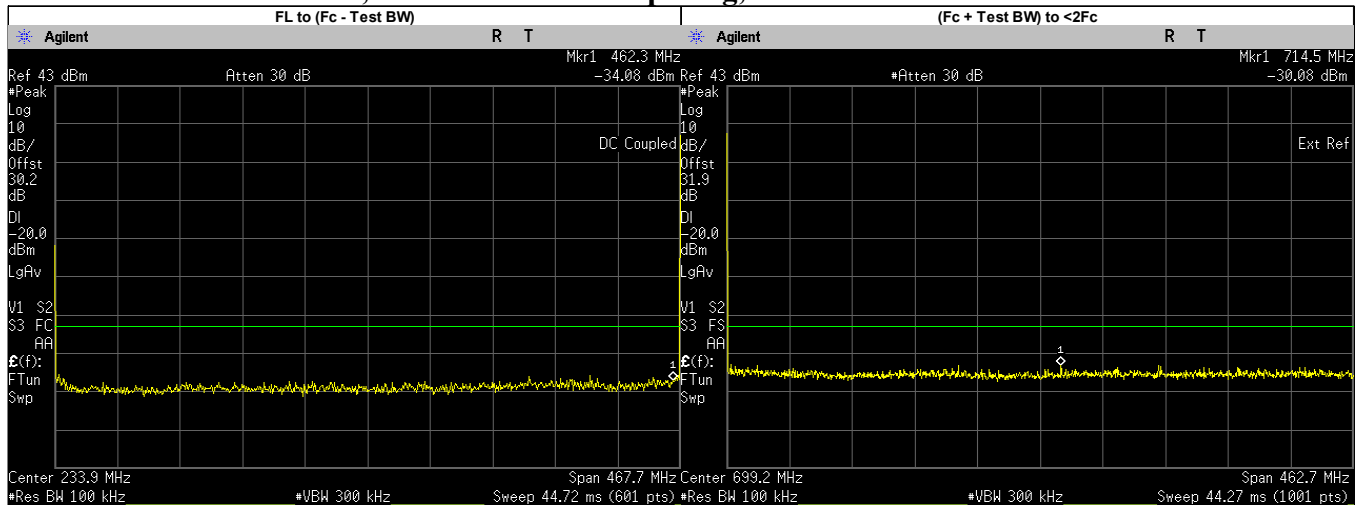
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	371.1000	-32.3700	-20.00	PASS
(Fc + Test BW) to <2Fc	469.1713	-30.5500	-20.00	PASS
2Fc to 1GHz	929.2120	-54.7300	-20.00	PASS
	918.2500	-57.6309	-20.00	PASS
1GHz to 10Fc	3060.6510	-41.5700	-20.00	PASS
	1377.3750	-46.0676	-20.00	PASS
	1836.5000	-46.0554	-20.00	PASS
	2295.6250	-45.1447	-20.00	PASS
	2754.7500	-44.0215	-20.00	PASS
	3213.8750	-42.8386	-20.00	PASS
	3673.0000	-43.1748	-20.00	PASS
	4132.1250	-44.0547	-20.00	PASS
	4591.2500	-44.1232	-20.00	PASS

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



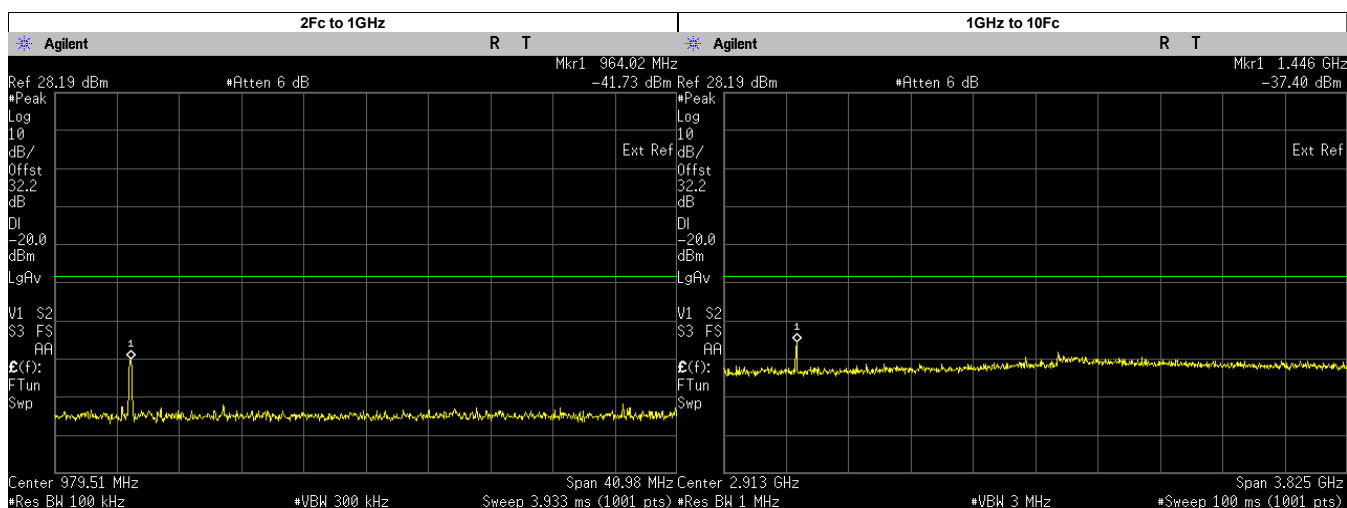
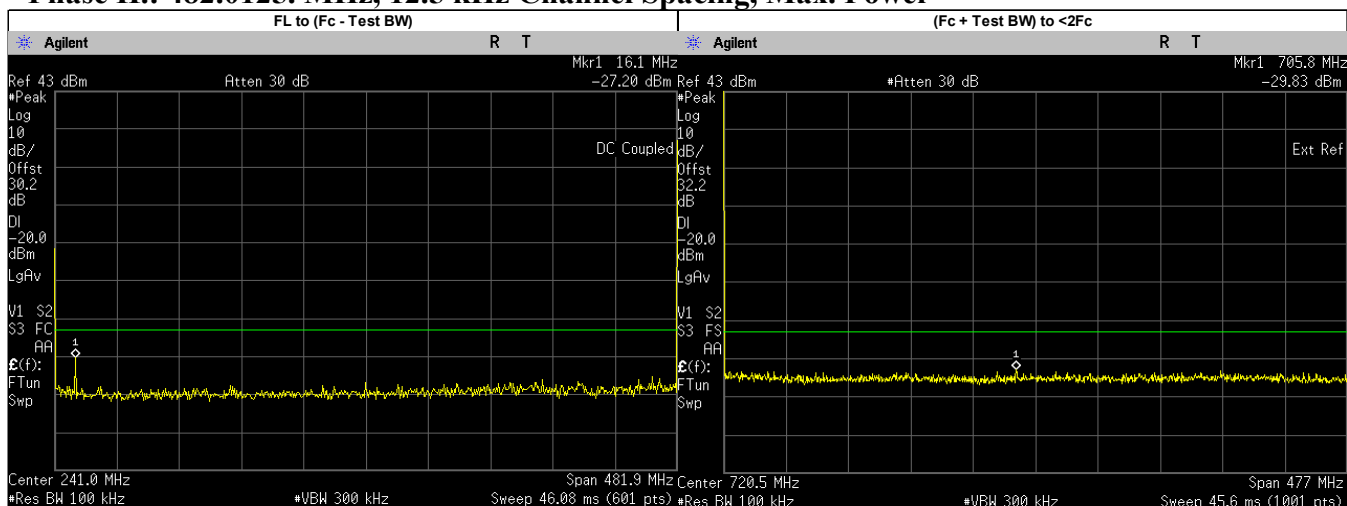
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	462.3000	-33.3100	-20.00	PASS
(Fc + Test BW) to <2Fc	497.4458	-29.8900	-20.00	PASS
2Fc to 1GHz	971.4561	-54.3500	-20.00	PASS
	935.5500	-56.0607	-20.00	PASS
1GHz to 10Fc	1871.1000	-45.5950	-20.00	PASS
	2338.8750	-44.7785	-20.00	PASS
	2806.6500	-44.0217	-20.00	PASS
	3274.4250	-41.9781	-20.00	PASS
	3742.2000	-43.0884	-20.00	PASS
	4209.9750	-43.4069	-20.00	PASS
	4677.7500	-43.9722	-20.00	PASS
	1401.4200	-32.7200	-20.00	PASS
	1403.3250	-32.4600	-20.00	PASS

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



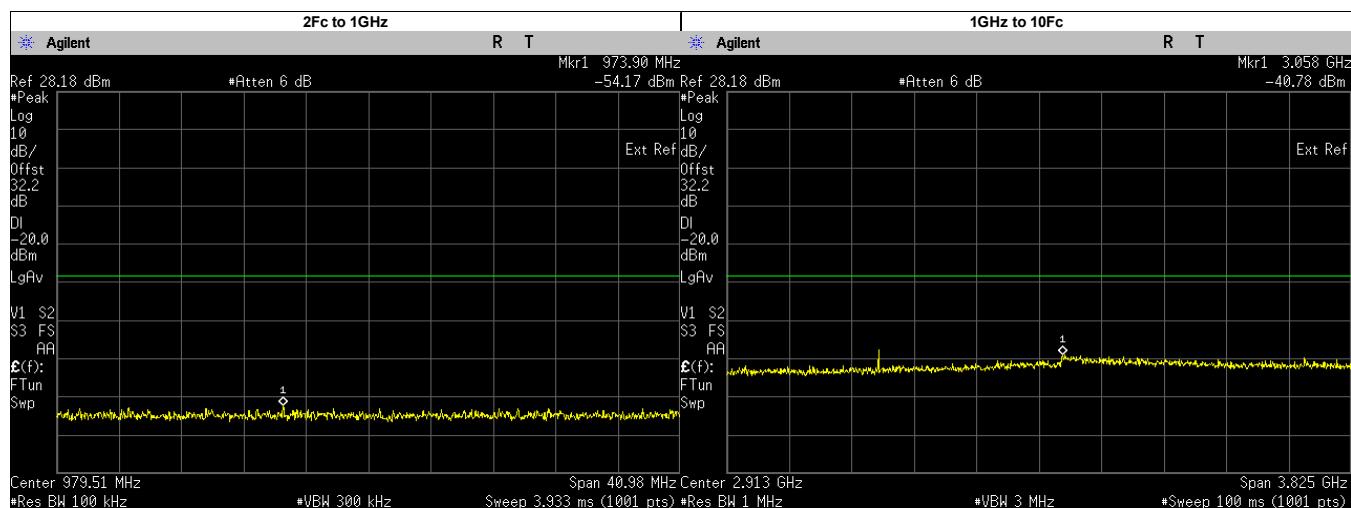
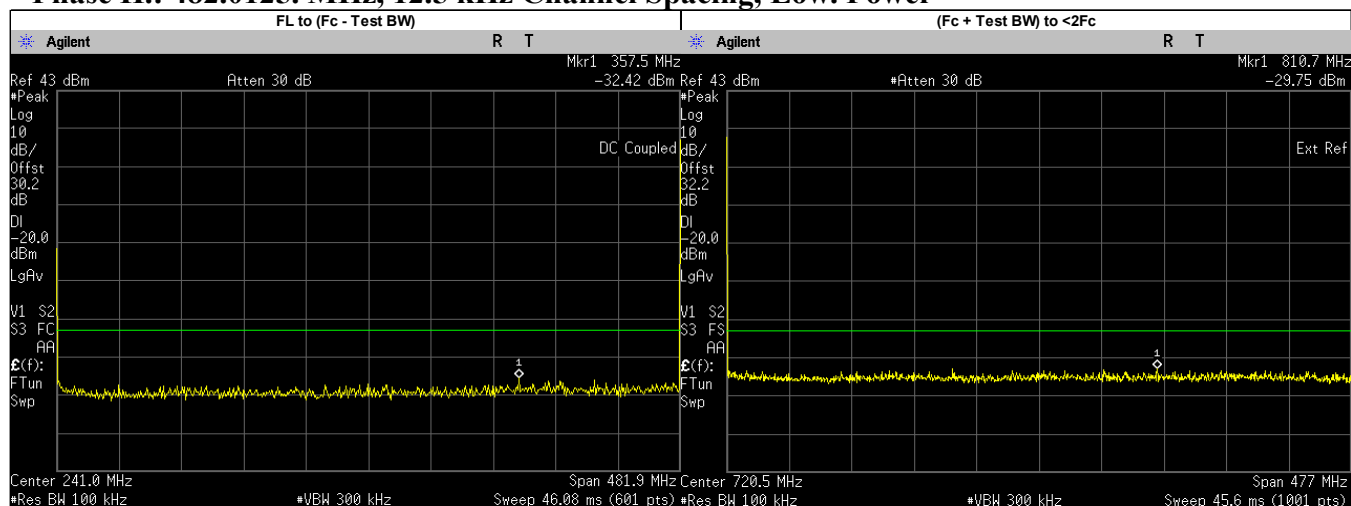
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	462.3000	-34.0800	-20.00	PASS
(Fc + Test BW) to <2Fc	714.4606	-30.0800	-20.00	PASS
2Fc to 1GHz	975.1369	-54.5000	-20.00	PASS
	935.5500	-56.8817	-20.00	PASS
1GHz to 10Fc	3320.1330	-40.6800	-20.00	PASS
	1403.3250	-45.0591	-20.00	PASS
	1871.1000	-45.6595	-20.00	PASS
	2338.8750	-45.0479	-20.00	PASS
	2806.6500	-43.6132	-20.00	PASS
	3274.4250	-42.4548	-20.00	PASS
	3742.2000	-43.5825	-20.00	PASS
	4209.9750	-43.1149	-20.00	PASS
	4677.7500	-44.2670	-20.00	PASS

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



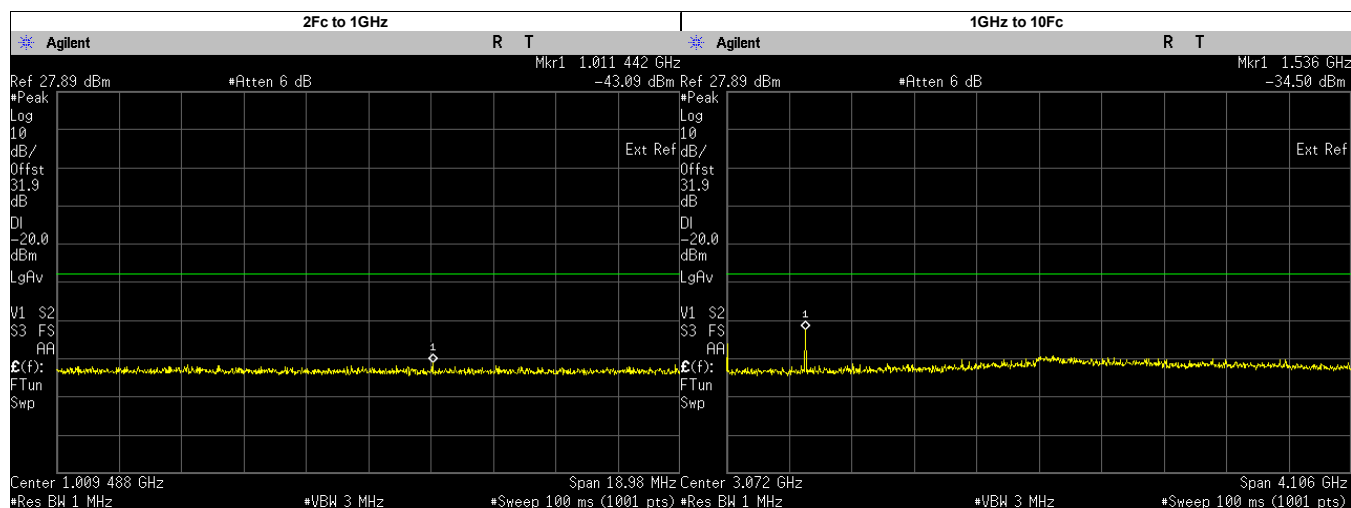
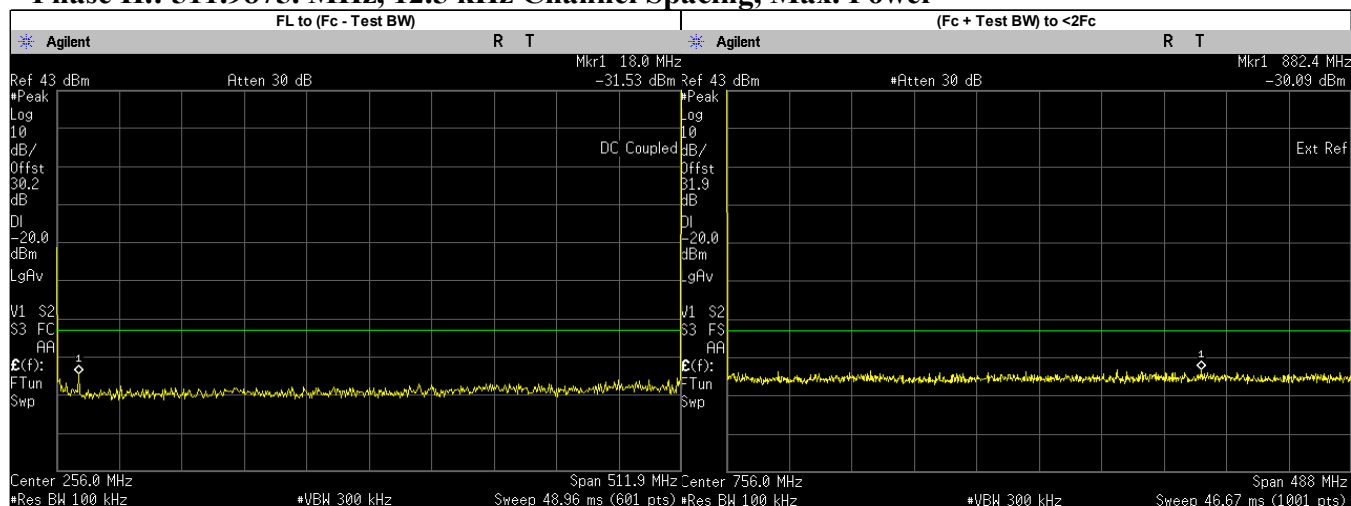
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	16.1000	-27.2000	-20.00	PASS
(Fc + Test BW) to <2Fc	705.7615	-29.8300	-20.00	PASS
2Fc to 1GHz	964.0200	-41.7300	-20.00	PASS
1GHz to 10Fc	1928.0500	-44.9961	-20.00	PASS
	2410.0620	-44.8137	-20.00	PASS
	2892.0750	-43.4544	-20.00	PASS
	3374.0880	-42.4427	-20.00	PASS
	3856.1000	-43.0876	-20.00	PASS
	4338.1130	-43.4531	-20.00	PASS
	4820.1250	-43.9553	-20.00	PASS
	1443.7150	-38.8800	-20.00	PASS
	1446.0370	-37.4000	-20.00	PASS

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



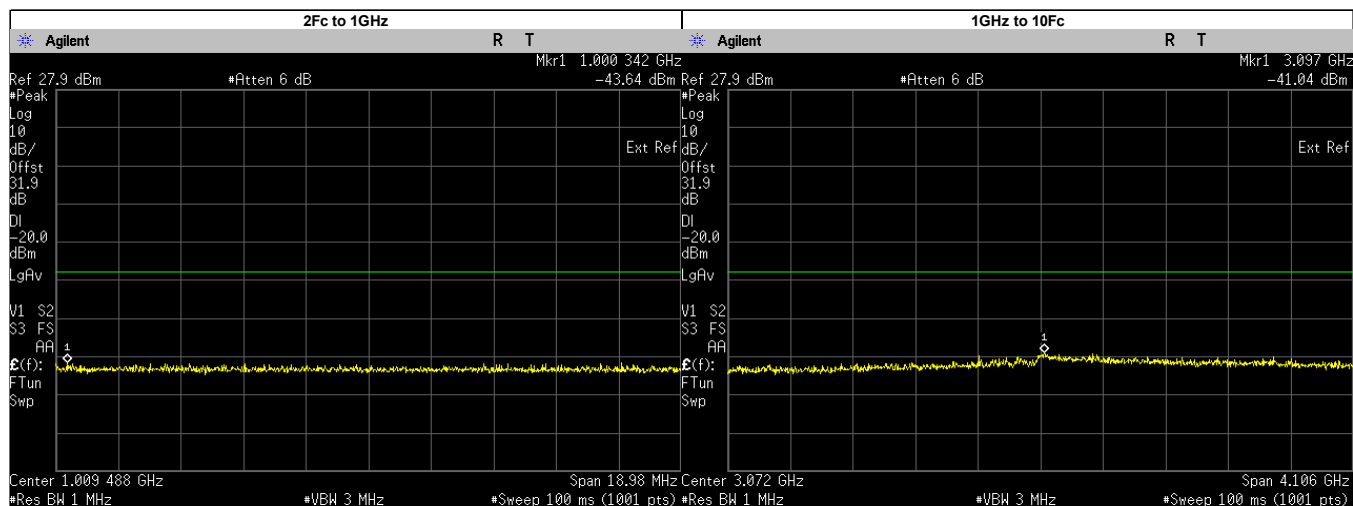
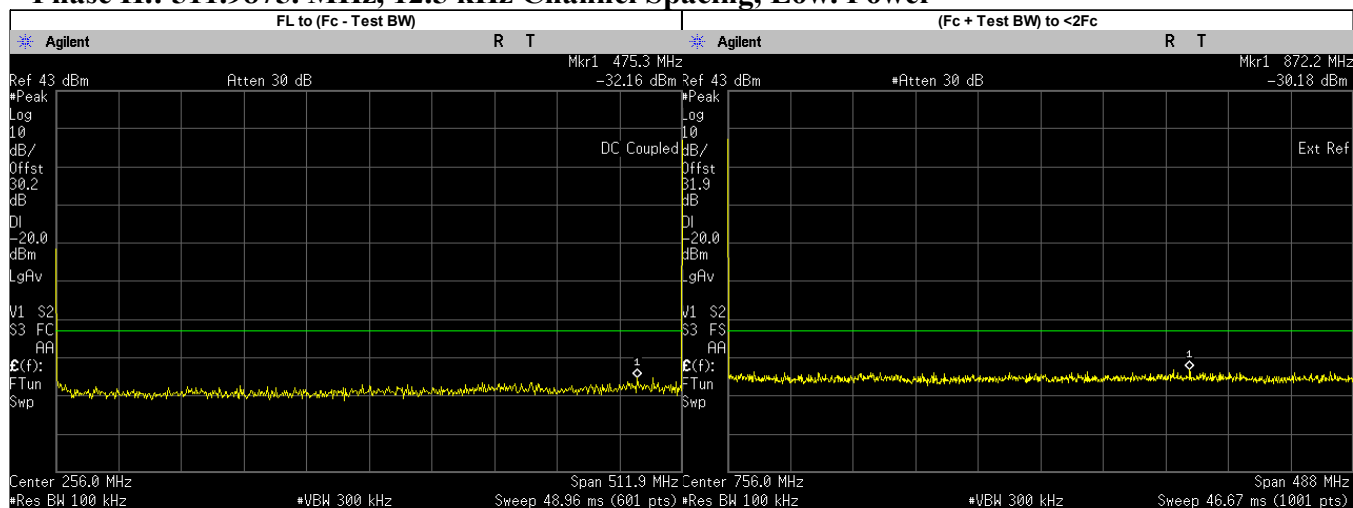
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	375.5000	-32.4200	-20.00	PASS
(Fc + Test BW) to <2Fc	810.6918	-29.7500	-20.00	PASS
2Fc to 1GHz	973.8989	-54.1700	-20.00	PASS
	964.0250	-55.6106	-20.00	PASS
1GHz to 10Fc	3057.9170	-40.7800	-20.00	PASS
	1446.0370	-44.9644	-20.00	PASS
	1928.0500	-41.2998	-20.00	PASS
	2410.0620	-44.3848	-20.00	PASS
	2892.0750	-43.3343	-20.00	PASS
	3374.0880	-42.9134	-20.00	PASS
	3856.1000	-43.3420	-20.00	PASS
	4338.1130	-43.7223	-20.00	PASS
	4820.1250	-43.4992	-20.00	PASS

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



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	18.0000	-31.5300	-20.00	PASS
(Fc + Test BW) to <2Fc	882.4027	-30.0900	-20.00	PASS
2Fc to 1GHz	1011.4420	-43.0900	-20.00	PASS
1GHz to 10Fc	3162.2550	-41.3300	-20.00	PASS
	2047.9500	-45.3922	-20.00	PASS
	2559.9370	-43.9422	-20.00	PASS
	3071.9250	-42.5830	-20.00	PASS
	3583.9120	-43.1679	-20.00	PASS
	4095.9000	-43.4443	-20.00	PASS
	4607.8870	-43.4606	-20.00	PASS
	5119.8750	-44.8620	-20.00	PASS
	1023.9750	-39.6948	-20.00	PASS
	1535.9630	-34.5000	-20.00	PASS

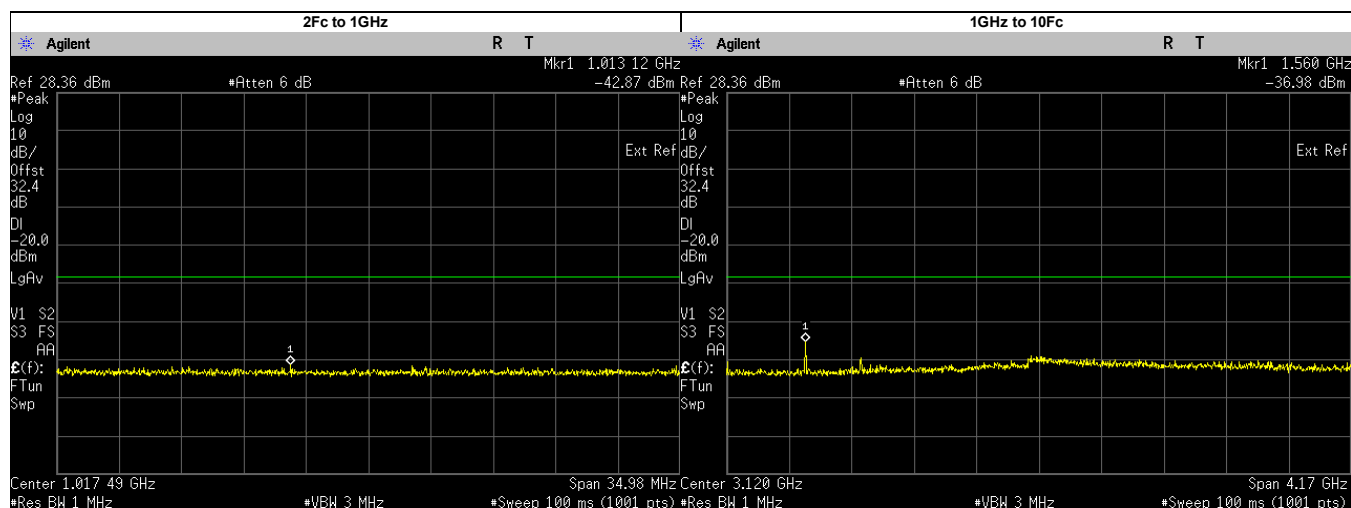
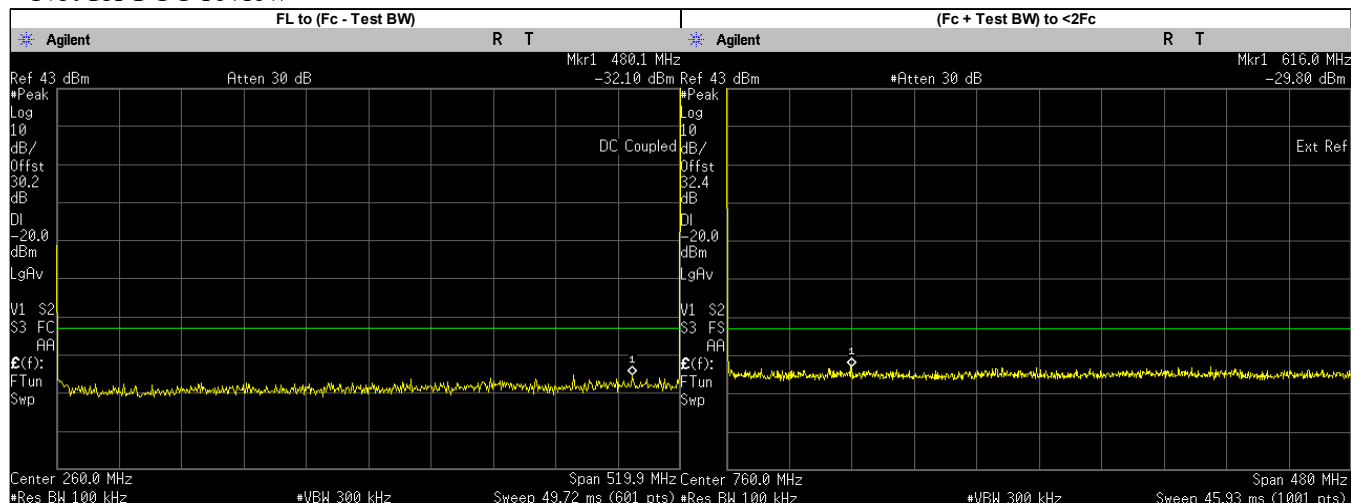
Phase II.: 511.9875. MHz, 12.5 kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	475.3000	-32.1600	-20.00	PASS
(Fc + Test BW) to <2Fc	872.1556	-30.1800	-20.00	PASS
2Fc to 1GHz	1000.3410	-43.6400	-20.00	PASS
1GHz to 10Fc	3096.5600	-41.0400	-20.00	PASS
	1023.9750	-45.9288	-20.00	PASS
	1535.9630	-45.1320	-20.00	PASS
	2047.9500	-44.9139	-20.00	PASS
	2559.9370	-44.5855	-20.00	PASS
	3071.9250	-41.8710	-20.00	PASS
	3583.9120	-43.2882	-20.00	PASS
	4095.9000	-43.8418	-20.00	PASS
	4607.8870	-43.2247	-20.00	PASS
	5119.8750	-44.4120	-20.00	PASS

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

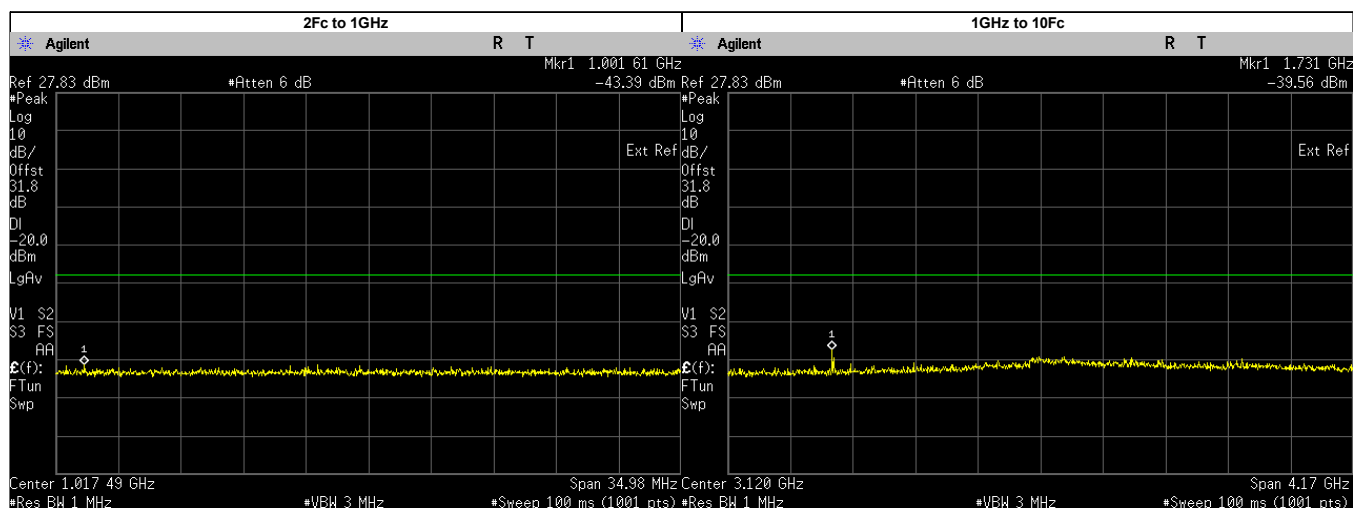
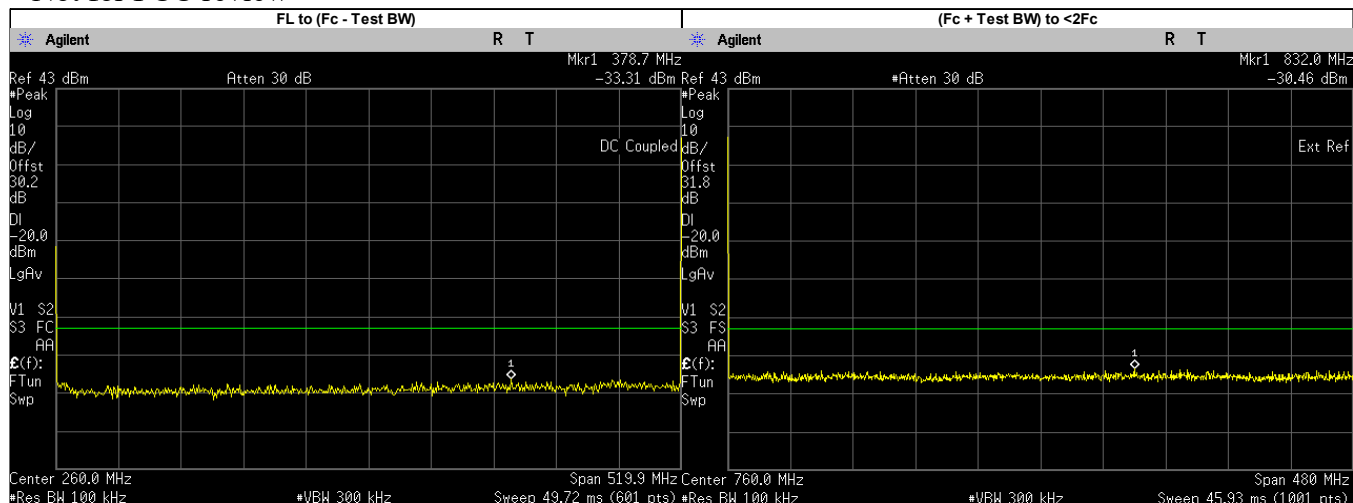
Not for FCC review



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	480.1000	-32.1000	-20.00	PASS
(Fc + Test BW) to <2Fc	616.0354	-29.8000	-20.00	PASS
2Fc to 1GHz	1013.1160	-42.8700	-20.00	PASS
1GHz to 10Fc	3065.7160	-40.6000	-20.00	PASS
	1039.9750	-42.6789	-20.00	PASS
	2079.9500	-44.1284	-20.00	PASS
	2599.9370	-44.7885	-20.00	PASS
	3119.9250	-41.6740	-20.00	PASS
	3639.9120	-43.1530	-20.00	PASS
	4159.9000	-43.3603	-20.00	PASS
	4679.8870	-43.6786	-20.00	PASS
	5199.8750	-43.1237	-20.00	PASS
	1559.9630	-37.7810	-20.00	PASS

Phase II.: 519.9875. 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)	378.7000	-33.3100	-20.00	PASS
(Fc + Test BW) to <2Fc	832.0155	-30.4600	-20.00	PASS
2Fc to 1GHz	1001.6090	-43.3900	-20.00	PASS
1GHz to 10Fc	1039.9750	-45.5188	-20.00	PASS
	1559.9630	-45.2676	-20.00	PASS
	2079.9500	-45.0132	-20.00	PASS
	2599.9370	-44.4581	-20.00	PASS
	3119.9250	-42.3050	-20.00	PASS
	3639.9120	-43.5811	-20.00	PASS
	4159.9000	-43.9367	-20.00	PASS
	4679.8870	-43.6824	-20.00	PASS
	5199.8750	-44.4643	-20.00	PASS
	1731.3480	-39.5500	-20.00	PASS

6.10.4. Test Limit

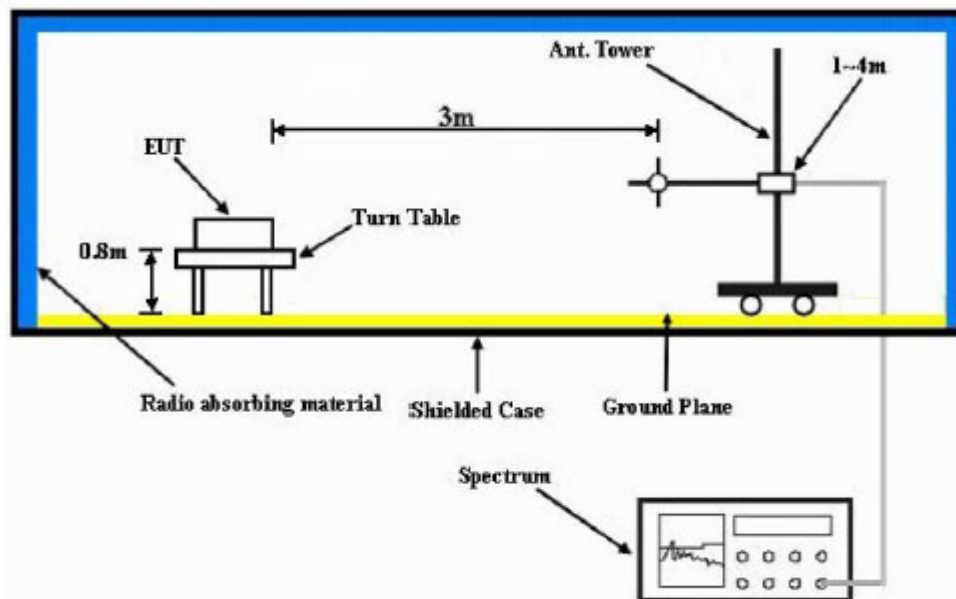
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

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

6.11. Radiated Spurious Emission

6.11.1. Test Setup



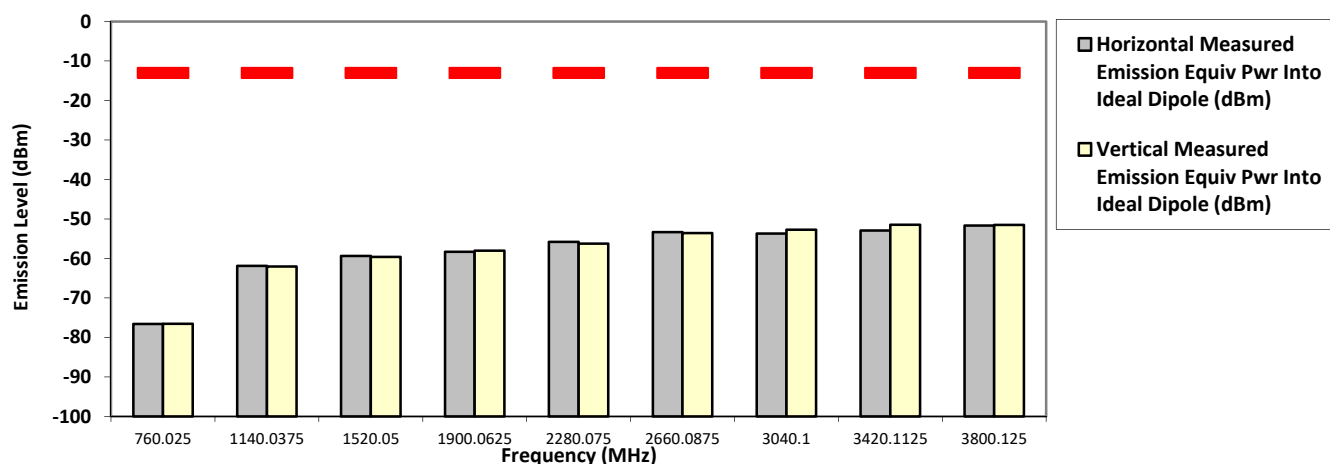
- 1) The Resolution Bandwidth for scanning Radiated Emission below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector mode is positive peak.
- 2) In the semi- anechoic chamber, setup as illustrated above the DUT placed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

6.11.2. Test Result (Analog)

Model Number: M37TSS9PW1AN **SAC Transmitter Radiated Emission:** S/N: 681TXT7177 **SR:**03466-EMC-00198
Battery Part No: NA **Accy Part No:** AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
380.012500 MHz (Not for FCC review) **25 kHz** **54.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
760.0250	-13.0000	-76.6051 **	-76.5431 **
1140.0375	-13.0000	-61.9011 **	-62.0270 **
1520.0500	-13.0000	-59.3654 **	-59.6026 **
1900.0625	-13.0000	-58.3302 **	-58.0460 **
2280.0750	-13.0000	-55.8218 **	-56.2414 **
2660.0875	-13.0000	-53.3335 **	-53.5664 **
3040.1000	-13.0000	-53.6871 **	-52.7219 **
3420.1125	-13.0000	-52.9261 **	-51.4838 **
3800.1250	-13.0000	-51.6546 **	-51.5234 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

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

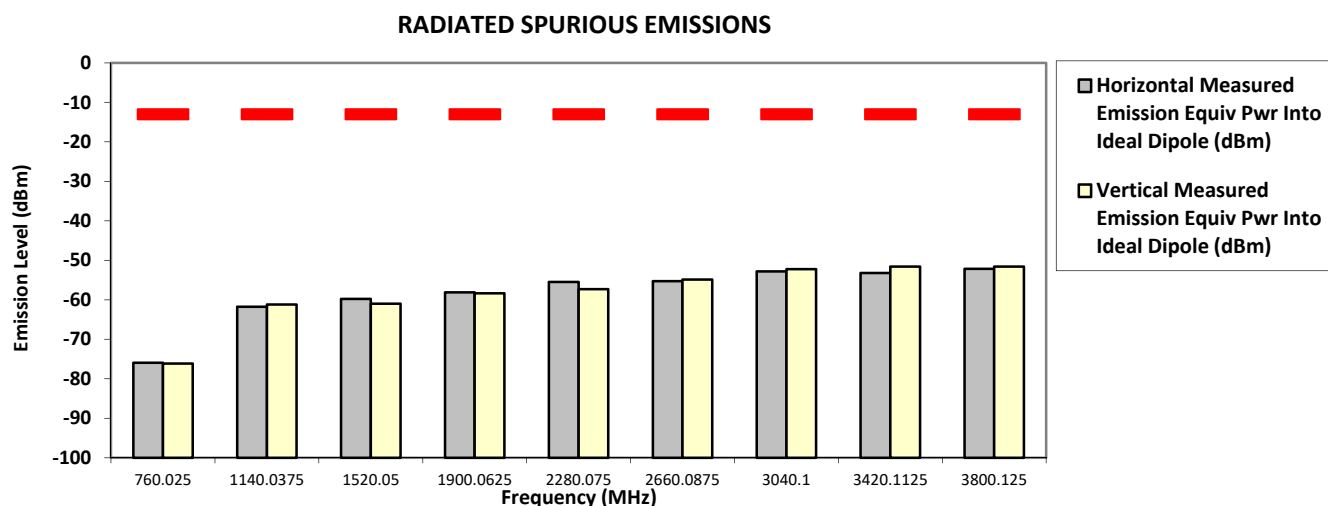
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
380.012500 MHz (Not for FCC review) 25 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
760.0250	-13.0000	-75.9405 **	-76.1636 **
1140.0375	-13.0000	-61.7725 **	-61.1751 **
1520.0500	-13.0000	-59.7804 **	-61.0039 **
1900.0625	-13.0000	-58.1327 **	-58.3634 **
2280.0750	-13.0000	-55.4907 **	-57.2892 **
2660.0875	-13.0000	-55.2976 **	-54.8802 **
3040.1000	-13.0000	-52.8133 **	-52.2589 **
3420.1125	-13.0000	-53.1936 **	-51.5747 **
3800.1250	-13.0000	-52.1574 **	-51.5763 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

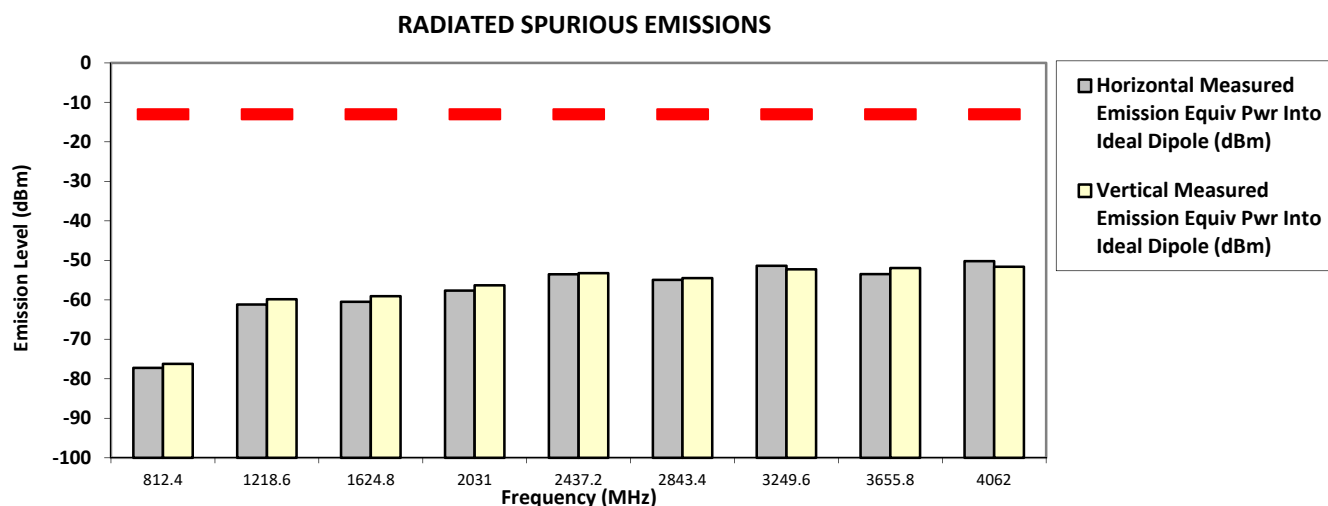
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
406.200000 MHz (Not for FCC review) 25 kHz 54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
812.4000	-13.0000	-77.2218 **	-76.2076 **
1218.6000	-13.0000	-61.2073 **	-59.8540 **
1624.8000	-13.0000	-60.5145 **	-59.0980 **
2031.0000	-13.0000	-57.6524 **	-56.3181 **
2437.2000	-13.0000	-53.5181 **	-53.2532 **
2843.4000	-13.0000	-54.9528 **	-54.5030 **
3249.6000	-13.0000	-51.3791 **	-52.2700 **
3655.8000	-13.0000	-53.5117 **	-51.9399 **
4062.0000	-13.0000	-50.2313 **	-51.6346 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

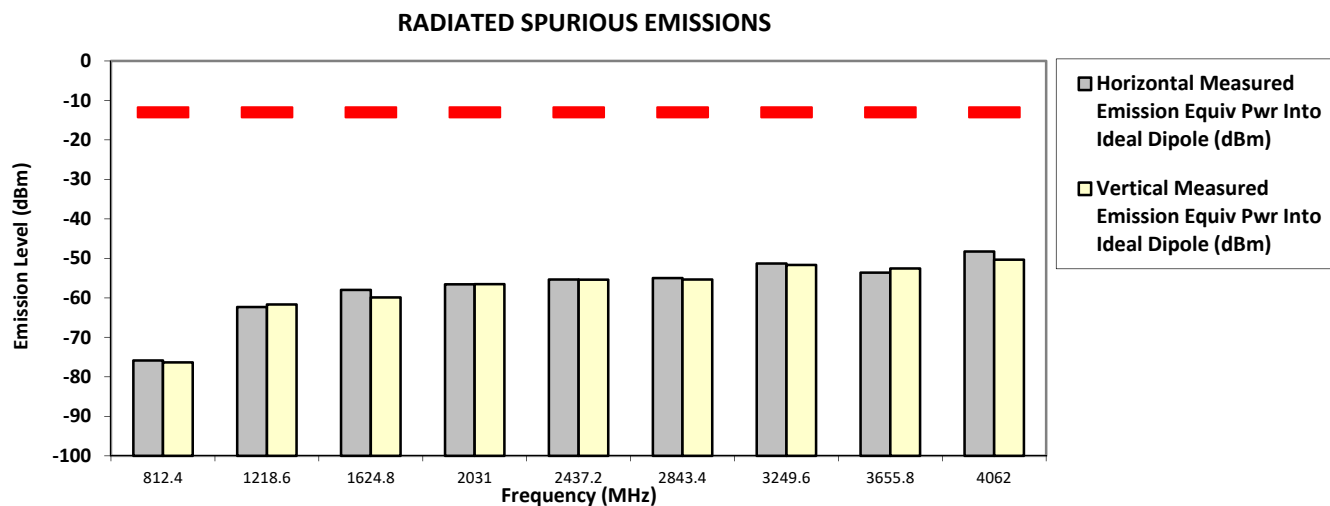
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

Model Number: M37TSS9PW1AN **S/N: 681TXT7177** **SR:03466-EMC-00198**
Battery Part No: NA **Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C**
Test Mode: TX Analog
406.200000 MHz (Not for FCC review) 25 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
812.4000	-13.0000	-75.8475 **	-76.3605 **
1218.6000	-13.0000	-62.3149 **	-61.6987 **
1624.8000	-13.0000	-58.0081 **	-59.8861 **
2031.0000	-13.0000	-56.5940 **	-56.5253 **
2437.2000	-13.0000	-55.3601 **	-55.4020 **
2843.4000	-13.0000	-55.0087 **	-55.3520 **
3249.6000	-13.0000	-51.3014 **	-51.6632 **
3655.8000	-13.0000	-53.6308 **	-52.5502 **
4062.0000	-13.0000	-48.2660 **	-50.3391 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

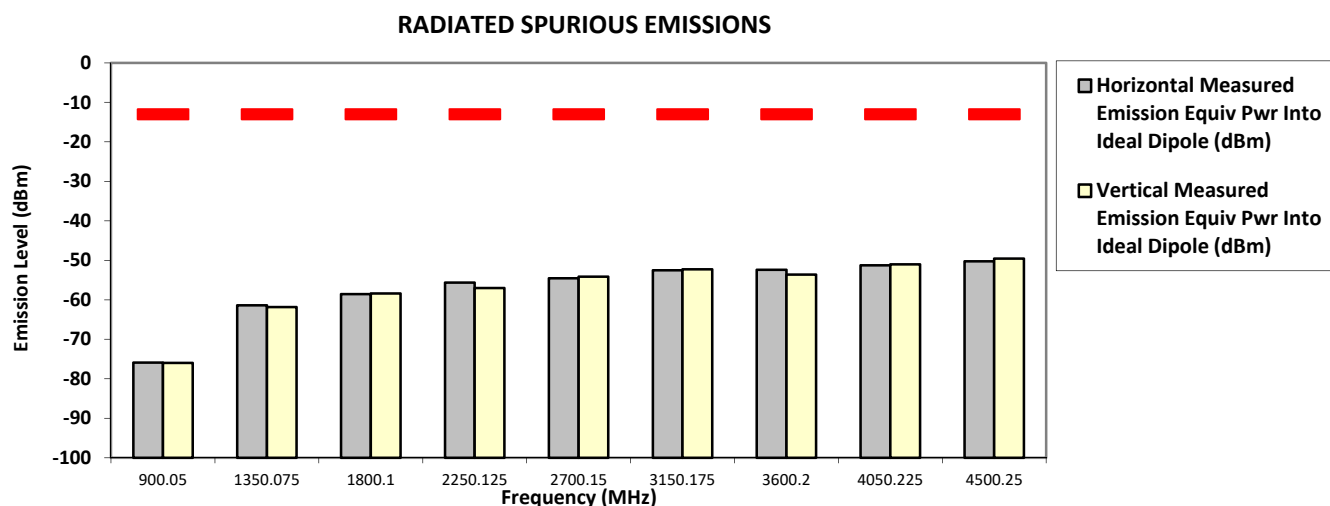
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
450.025000 MHz (For Part 74) 25 kHz 54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-13.0000	-75.8868 **	-75.9731 **
1350.0750	-13.0000	-61.4021 **	-61.8319 **
1800.1000	-13.0000	-58.5567 **	-58.3787 **
2250.1250	-13.0000	-55.6585 **	-57.0372 **
2700.1500	-13.0000	-54.5483 **	-54.1277 **
3150.1750	-13.0000	-52.5352 **	-52.2719 **
3600.2000	-13.0000	-52.3901 **	-53.6177 **
4050.2250	-13.0000	-51.2589 **	-51.0102 **
4500.2500	-13.0000	-50.2470 **	-49.5762 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

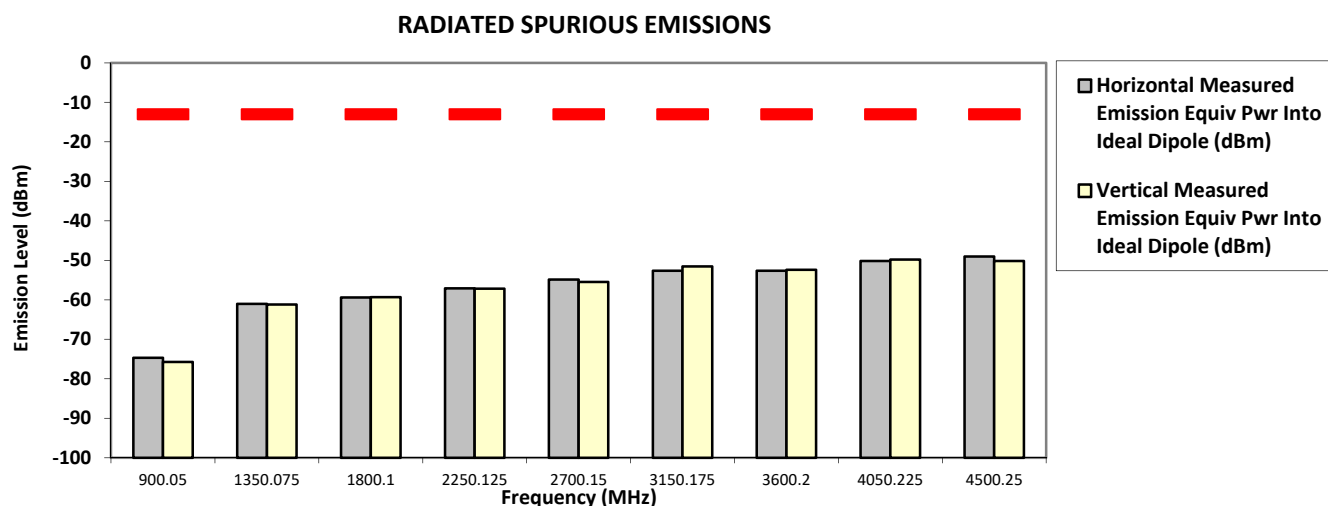
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
450.025000 MHz (For Part 74) 25 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-13.0000	-74.6708 **	-75.7542 **
1350.0750	-13.0000	-61.0162 **	-61.1970 **
1800.1000	-13.0000	-59.4087 **	-59.3187 **
2250.1250	-13.0000	-57.1167 **	-57.1649 **
2700.1500	-13.0000	-54.8835 **	-55.4648 **
3150.1750	-13.0000	-52.6391 **	-51.5410 **
3600.2000	-13.0000	-52.6465 **	-52.4166 **
4050.2250	-13.0000	-50.1672 **	-49.8277 **
4500.2500	-13.0000	-49.0541 **	-50.1539 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

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

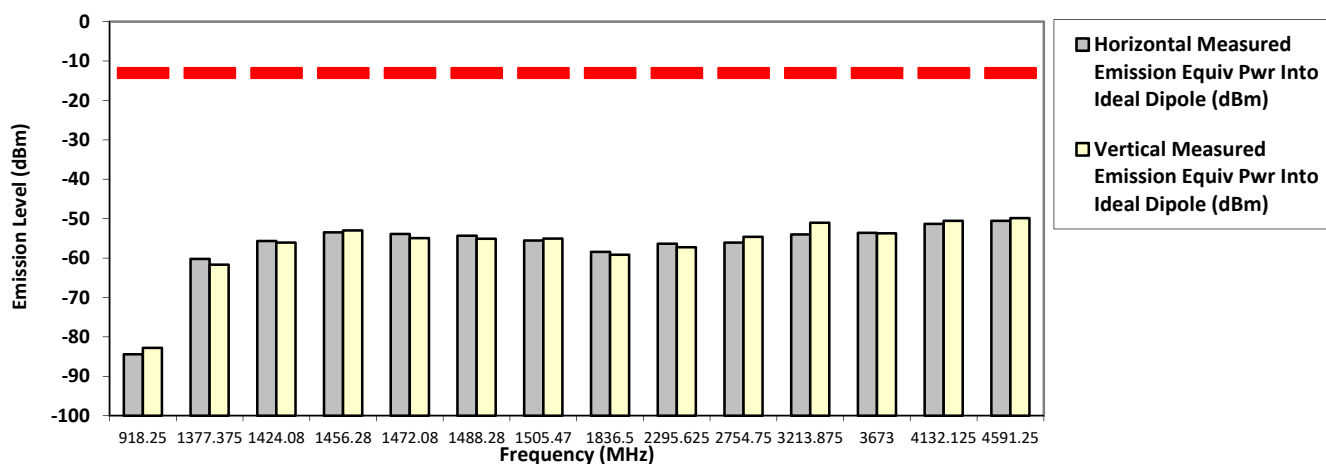
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Analog
459.125000 MHz **25 kHz** **54.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-13.0000	-84.4037 **	-82.7941 **
1377.3750	-13.0000	-60.2239 **	-61.6669 **
1424.0800	-13.0000	-55.6700 *	-56.0600 *
1456.2800	-13.0000	-53.4700 *	-52.9700 *
1472.0800	-13.0000	-53.9000 *	-54.9400 *
1488.2800	-13.0000	-54.3300 *	-55.0900 *
1505.4700	-13.0000	-55.5400 *	-55.0800 *
1836.5000	-13.0000	-58.4278 **	-59.1574 **
2295.6250	-13.0000	-56.3777 **	-57.2673 **
2754.7500	-13.0000	-56.0814 **	-54.6158 **
3213.8750	-13.0000	-54.0235 **	-51.0517 **
3673.0000	-13.0000	-53.6004 **	-53.7317 **
4132.1250	-13.0000	-51.3236 **	-50.5553 **
4591.2500	-13.0000	-50.5475 **	-49.8613 **

RADIATED SPURIOUS EMISSIONS



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

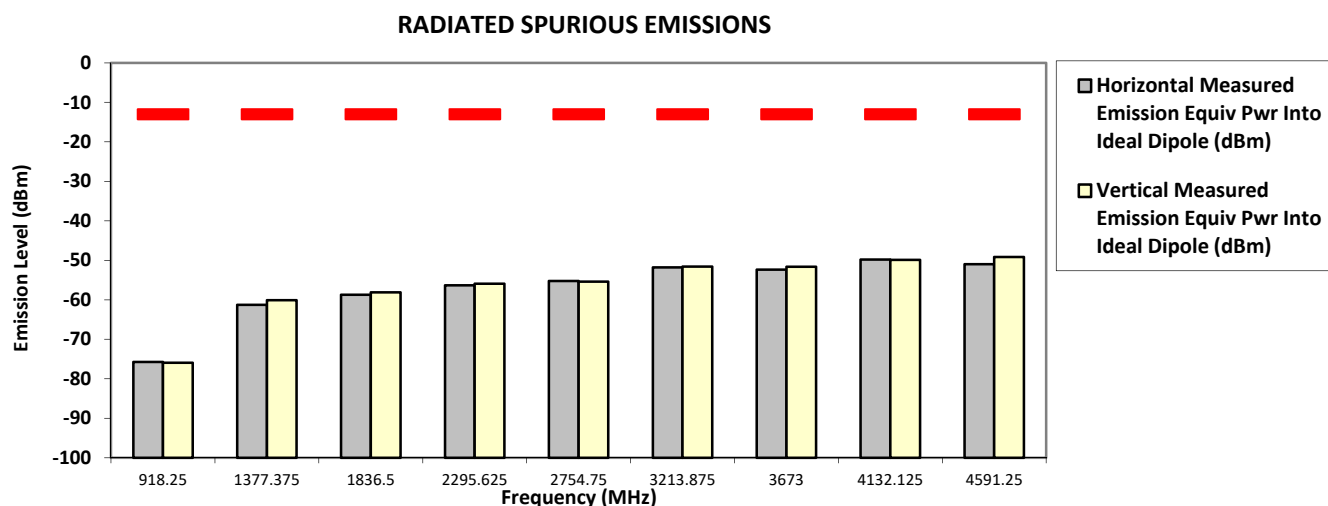
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 22.3 Hum(%RH): 69.3

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
459.125000 MHz (For Part 22) 25 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-13.0000	-75.7344 **	-75.9543 **
1377.3750	-13.0000	-61.2608 **	-60.1156 **
1836.5000	-13.0000	-58.7273 **	-58.1155 **
2295.6250	-13.0000	-56.3338 **	-55.9237 **
2754.7500	-13.0000	-55.2200 **	-55.3960 **
3213.8750	-13.0000	-51.7742 **	-51.6070 **
3673.0000	-13.0000	-52.3566 **	-51.6305 **
4132.1250	-13.0000	-49.8216 **	-49.8893 **
4591.2500	-13.0000	-50.9962 **	-49.1615 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

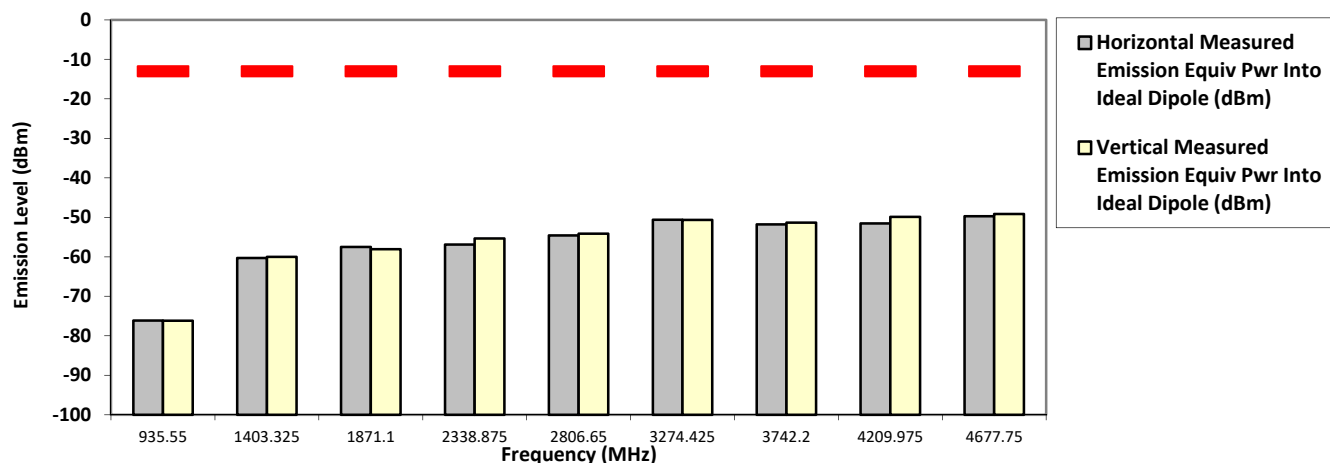
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
467.775000 MHz (For Part 80) 25 kHz 54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-13.0000	-76.1394 **	-76.2020 **
1403.3250	-13.0000	-60.2987 **	-60.0110 **
1871.1000	-13.0000	-57.5121 **	-58.0569 **
2338.8750	-13.0000	-56.9065 **	-55.3545 **
2806.6500	-13.0000	-54.5838 **	-54.1597 **
3274.4250	-13.0000	-50.6172 **	-50.6788 **
3742.2000	-13.0000	-51.7820 **	-51.3426 **
4209.9750	-13.0000	-51.5484 **	-49.9024 **
4677.7500	-13.0000	-49.7377 **	-49.1581 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

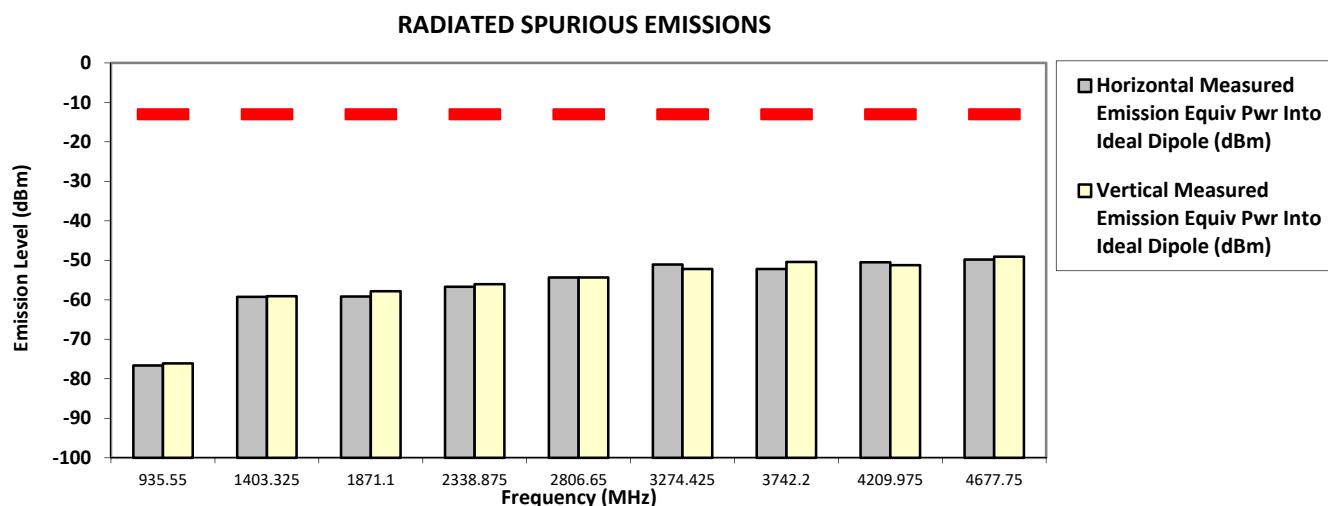
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
467.775000 MHz (For Part 80) 25 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-13.0000	-76.6145 **	-76.1201 **
1403.3250	-13.0000	-59.2607 **	-59.0664 **
1871.1000	-13.0000	-59.1657 **	-57.8265 **
2338.8750	-13.0000	-56.6974 **	-56.0477 **
2806.6500	-13.0000	-54.3591 **	-54.3459 **
3274.4250	-13.0000	-51.0456 **	-52.1973 **
3742.2000	-13.0000	-52.1905 **	-50.4316 **
4209.9750	-13.0000	-50.5013 **	-51.2320 **
4677.7500	-13.0000	-49.8273 **	-49.0659 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

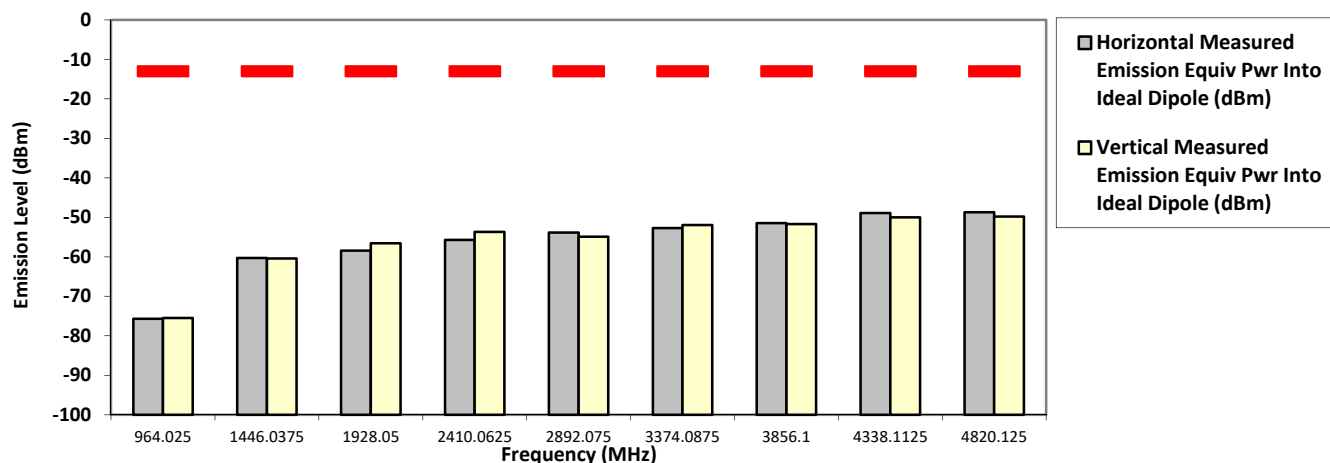
SAC Transmitter Radiated Emission:

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

482.012500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-13.0000	-75.6856 **	-75.4969 **
1446.0375	-13.0000	-60.2903 **	-60.4162 **
1928.0500	-13.0000	-58.4282 **	-56.5798 **
2410.0625	-13.0000	-55.7217 **	-53.6894 **
2892.0750	-13.0000	-53.8755 **	-54.8935 **
3374.0875	-13.0000	-52.7165 **	-51.9709 **
3856.1000	-13.0000	-51.4768 **	-51.7162 **
4338.1125	-13.0000	-48.9149 **	-50.0102 **
4820.1250	-13.0000	-48.7025 **	-49.7997 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Mon, 6 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

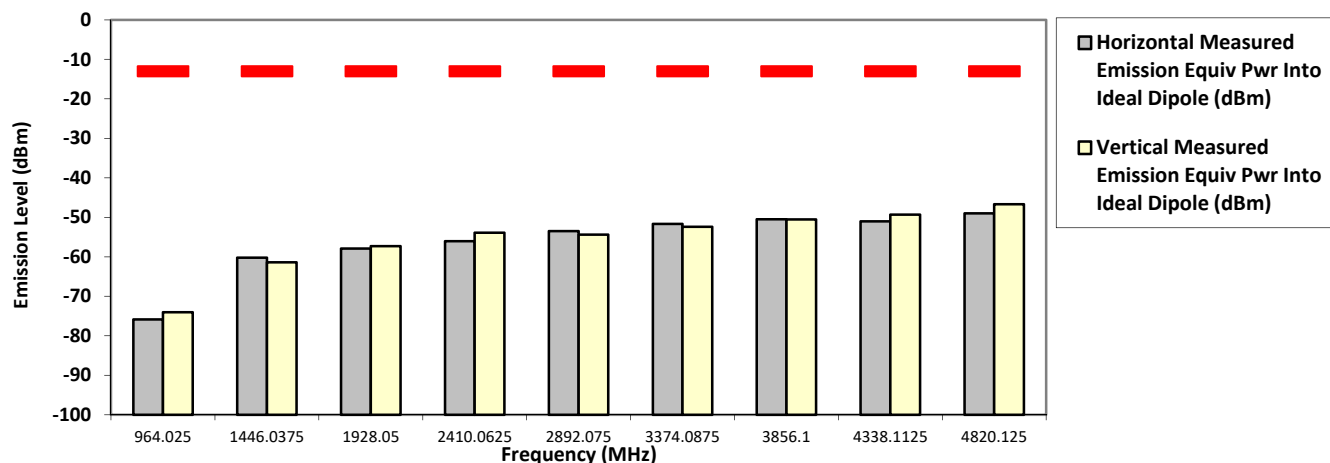
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
25 kHz
1.000 Watt(s) /Low Power

SR:03466-EMC-00198

482.012500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-13.0000	-75.8626 **	-74.0489 **
1446.0375	-13.0000	-60.2234 **	-61.3921 **
1928.0500	-13.0000	-57.9029 **	-57.3229 **
2410.0625	-13.0000	-56.0337 **	-53.8941 **
2892.0750	-13.0000	-53.4921 **	-54.4059 **
3374.0875	-13.0000	-51.6858 **	-52.3870 **
3856.1000	-13.0000	-50.5154 **	-50.5375 **
4338.1125	-13.0000	-51.0239 **	-49.3170 **
4820.1250	-13.0000	-48.9965 **	-46.6993 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Mon, 6 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

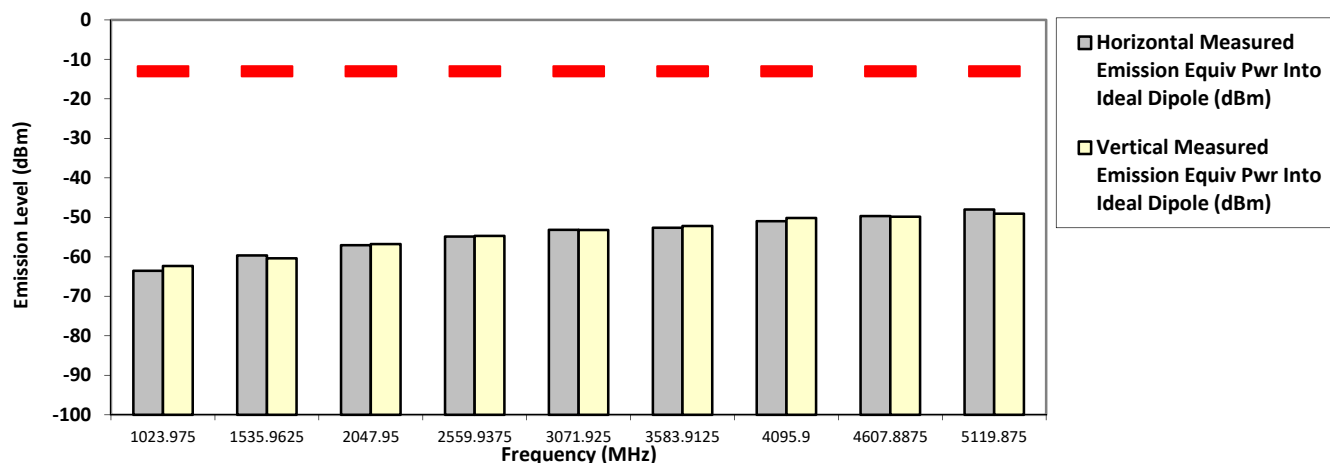
SAC Transmitter Radiated Emission:

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

511.987500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-13.0000	-63.5303 **	-62.3194 **
1535.9625	-13.0000	-59.6696 **	-60.3747 **
2047.9500	-13.0000	-57.0560 **	-56.7567 **
2559.9375	-13.0000	-54.8726 **	-54.7116 **
3071.9250	-13.0000	-53.1737 **	-53.2271 **
3583.9125	-13.0000	-52.6314 **	-52.1999 **
4095.9000	-13.0000	-50.9835 **	-50.1753 **
4607.8875	-13.0000	-49.6691 **	-49.8438 **
5119.8750	-13.0000	-48.0277 **	-49.0855 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin
Mon, 6 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog

SR:03466-EMC-00198

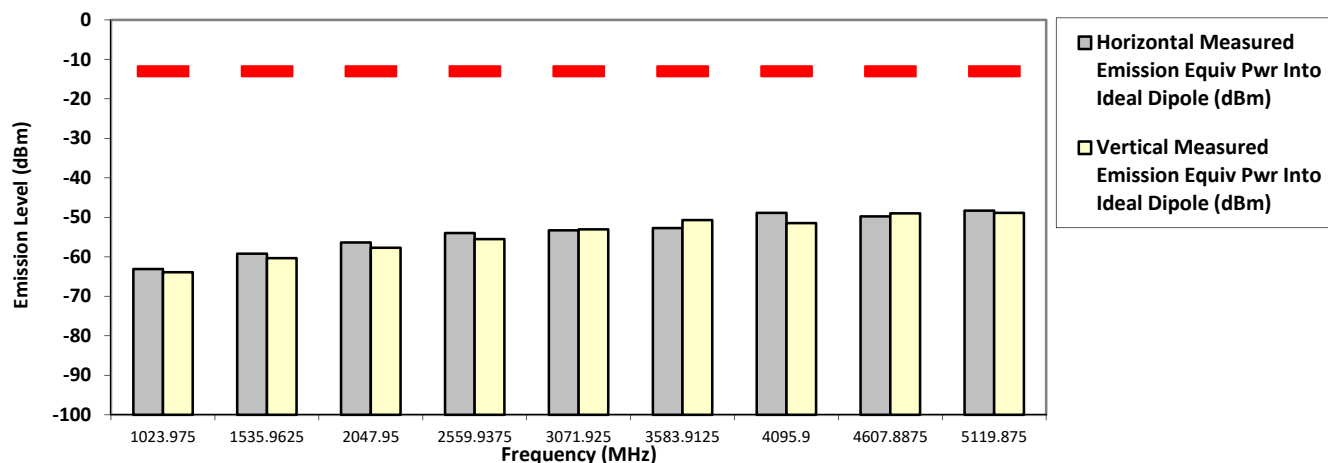
511.987500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-13.0000	-63.1112 **	-63.9277 **
1535.9625	-13.0000	-59.1891 **	-60.3467 **
2047.9500	-13.0000	-56.3734 **	-57.7167 **
2559.9375	-13.0000	-53.9742 **	-55.5353 **
3071.9250	-13.0000	-53.2782 **	-53.0370 **
3583.9125	-13.0000	-52.7231 **	-50.7187 **
4095.9000	-13.0000	-48.8720 **	-51.4806 **
4607.8875	-13.0000	-49.7654 **	-48.9851 **
5119.8750	-13.0000	-48.3013 **	-48.8879 **

RADIATED SPURIOUS EMISSIONS



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

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

Mon, 6 Dec, 2021

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

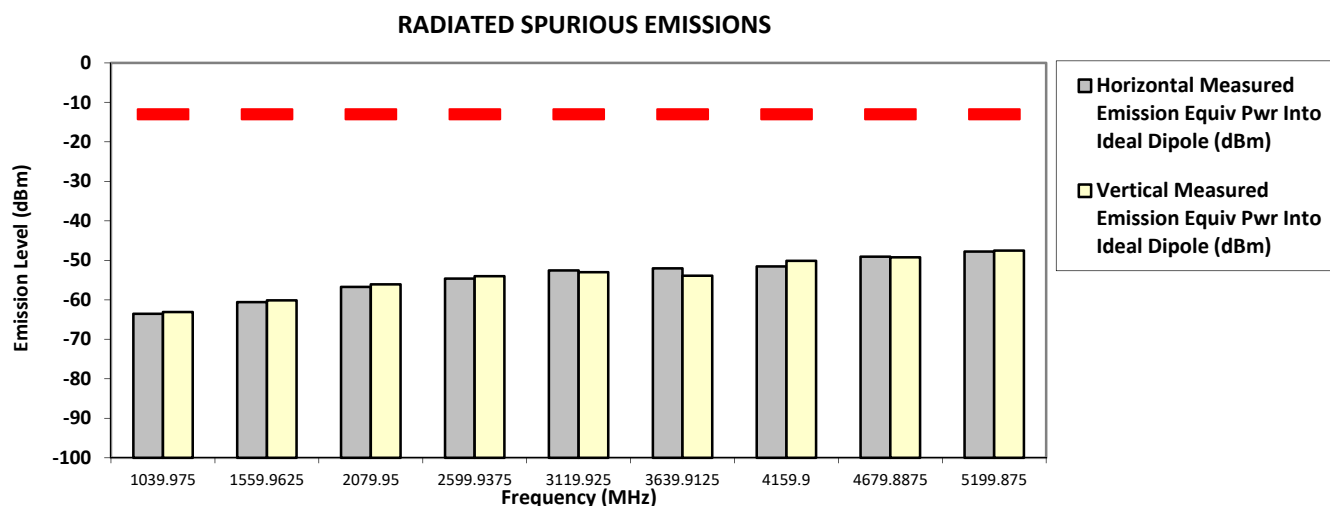
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
519.987500 MHz (Not for FCC review) 25 kHz 30.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-13.0000	-63.5526 **	-63.1135 **
1559.9625	-13.0000	-60.6012 **	-60.1433 **
2079.9500	-13.0000	-56.7368 **	-56.0872 **
2599.9375	-13.0000	-54.6457 **	-54.0125 **
3119.9250	-13.0000	-52.5800 **	-52.9942 **
3639.9125	-13.0000	-52.0461 **	-53.9051 **
4159.9000	-13.0000	-51.5635 **	-50.1272 **
4679.8875	-13.0000	-49.0655 **	-49.2410 **
5199.8750	-13.0000	-47.7830 **	-47.5478 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

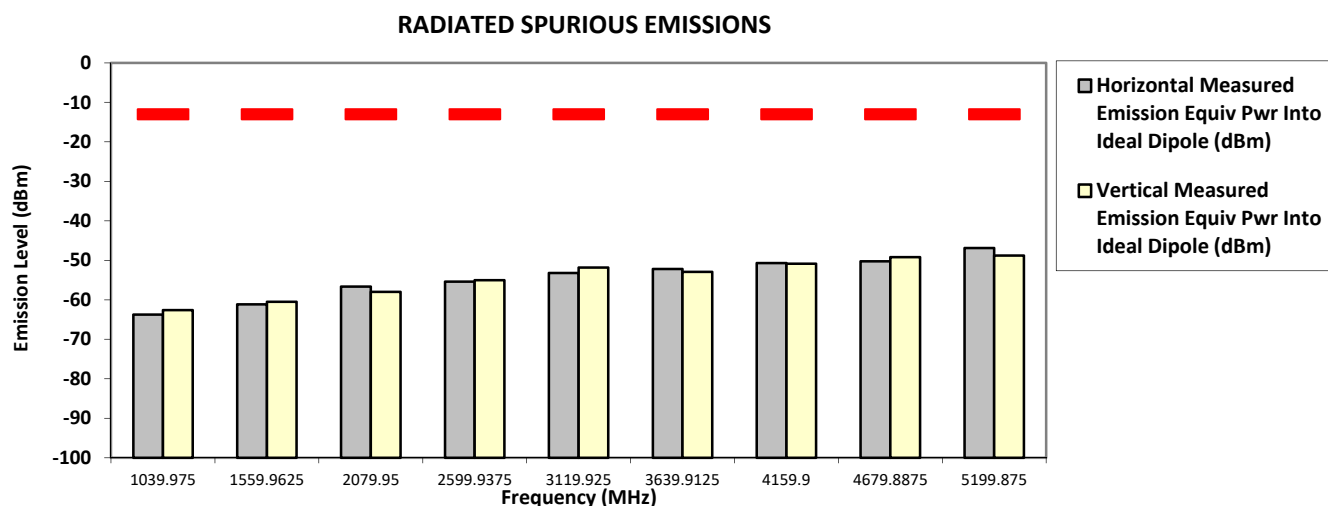
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
519.987500 MHz (Not for FCC review) 25 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-13.0000	-63.7331 **	-62.5941 **
1559.9625	-13.0000	-61.1560 **	-60.5005 **
2079.9500	-13.0000	-56.6653 **	-58.0060 **
2599.9375	-13.0000	-55.3974 **	-55.0249 **
3119.9250	-13.0000	-53.2144 **	-51.8449 **
3639.9125	-13.0000	-52.2175 **	-52.9452 **
4159.9000	-13.0000	-50.7037 **	-50.8439 **
4679.8875	-13.0000	-50.2376 **	-49.1842 **
5199.8750	-13.0000	-46.8837 **	-48.7847 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Qawiman&Nazrin Mon, 6 Dec, 2021

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

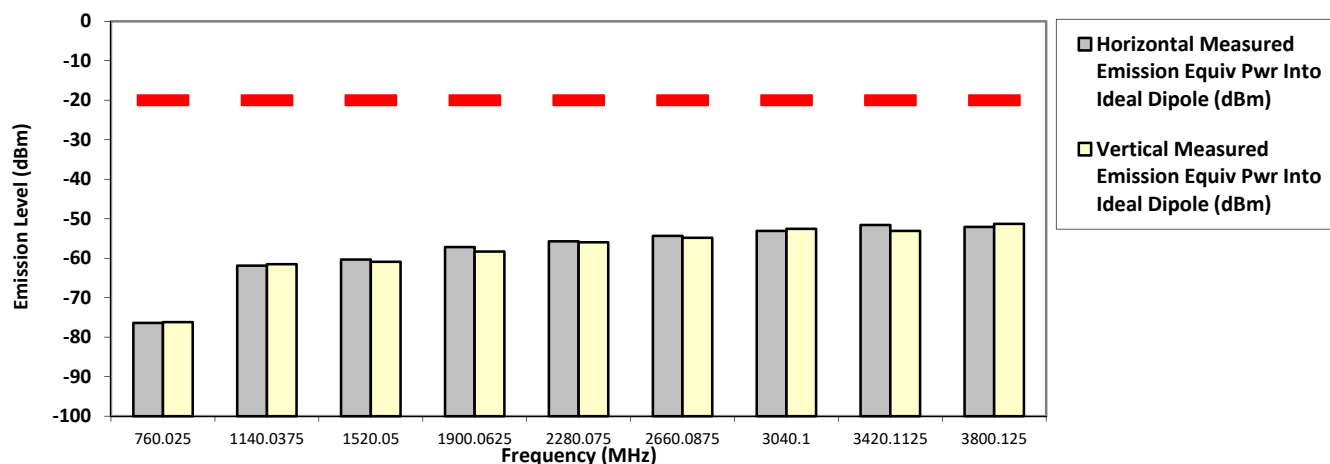
Remarks: Passed Results Marginal Results Failed Results

6.11.3. Test Result (Digital)

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital C4FM
380.012500 MHz (Not for FCC review) 12.5 kHz 54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
760.0250	-20.0000	-76.3724 **	-76.1880 **
1140.0375	-20.0000	-61.9017 **	-61.5121 **
1520.0500	-20.0000	-60.3248 **	-60.8902 **
1900.0625	-20.0000	-57.1886 **	-58.3245 **
2280.0750	-20.0000	-55.7382 **	-55.9566 **
2660.0875	-20.0000	-54.3374 **	-54.8279 **
3040.1000	-20.0000	-53.0935 **	-52.5711 **
3420.1125	-20.0000	-51.5877 **	-53.0715 **
3800.1250	-20.0000	-52.0968 **	-51.2920 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

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

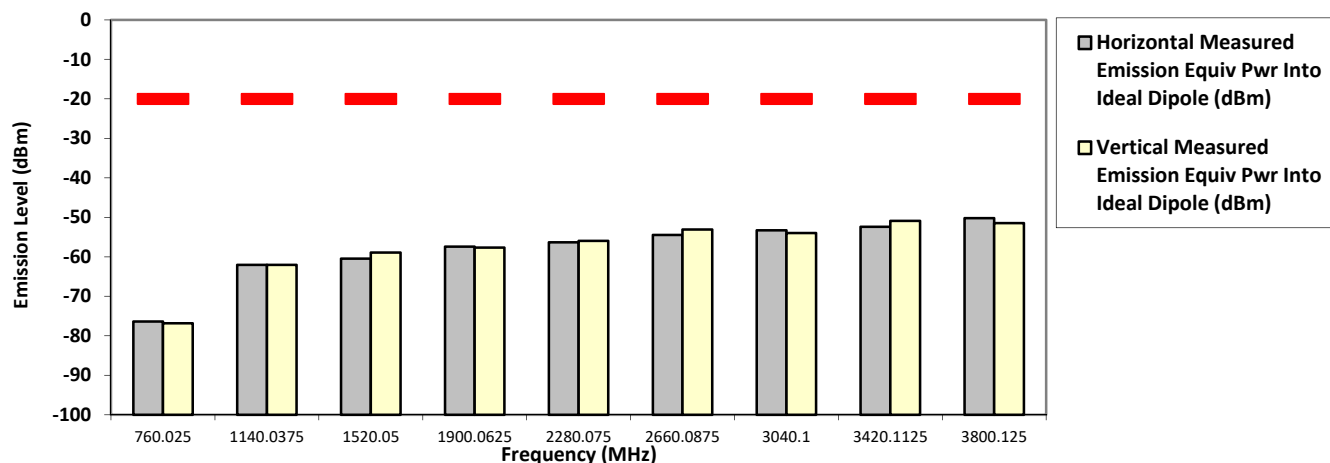
Remarks:

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

Model Number: M37TSS9PW1AN **SAC Transmitter Radiated Emission:** **S/N: 681TXT7177** **SR:03466-EMC-00198**
Battery Part No: NA **Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C**
Test Mode: TX APCO Digital C4FM
380.012500 MHz (Not for FCC review) 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)
760.0250	-20.0000	-76.3772 **	-76.8472 **
1140.0375	-20.0000	-62.0343 **	-62.0329 **
1520.0500	-20.0000	-60.4737 **	-58.9120 **
1900.0625	-20.0000	-57.4438 **	-57.6514 **
2280.0750	-20.0000	-56.3157 **	-55.9630 **
2660.0875	-20.0000	-54.4774 **	-53.1063 **
3040.1000	-20.0000	-53.2810 **	-53.9991 **
3420.1125	-20.0000	-52.4081 **	-50.9002 **
3800.1250	-20.0000	-50.2181 **	-51.4830 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

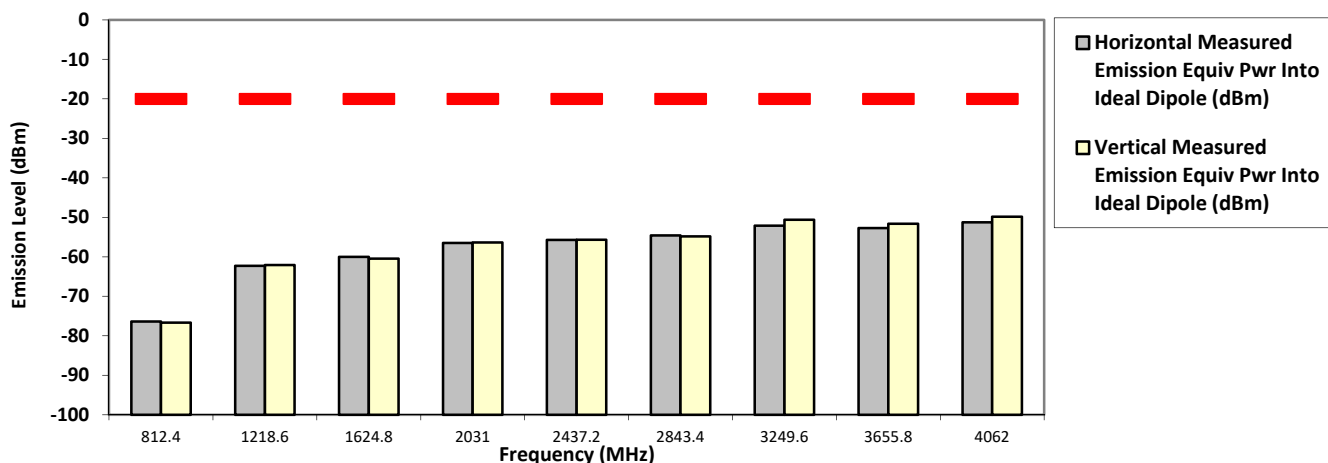
406.200000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
812.4000	-20.0000	-76.4020 **	-76.6821 **
1218.6000	-20.0000	-62.2675 **	-62.0761 **
1624.8000	-20.0000	-60.0052 **	-60.4698 **
2031.0000	-20.0000	-56.4924 **	-56.3734 **
2437.2000	-20.0000	-55.7063 **	-55.6804 **
2843.4000	-20.0000	-54.6011 **	-54.8514 **
3249.6000	-20.0000	-52.1323 **	-50.6098 **
3655.8000	-20.0000	-52.7265 **	-51.6343 **
4062.0000	-20.0000	-51.2632 **	-49.8345 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

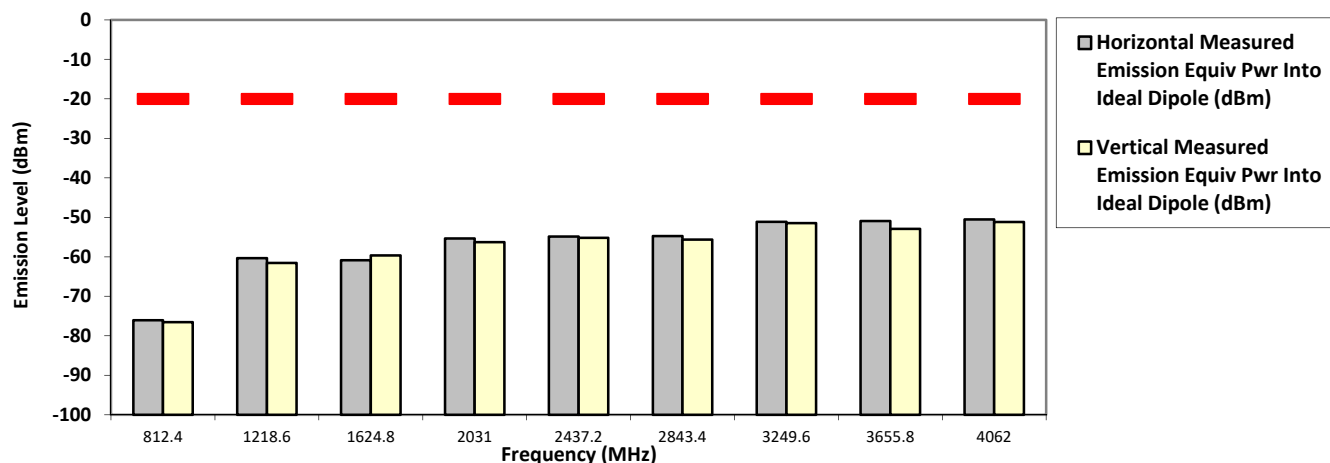
406.200000 MHz

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)
812.4000	-20.0000	-76.0699 **	-76.5368 **
1218.6000	-20.0000	-60.3232 **	-61.5660 **
1624.8000	-20.0000	-60.8757 **	-59.6656 **
2031.0000	-20.0000	-55.3729 **	-56.2796 **
2437.2000	-20.0000	-54.8710 **	-55.1992 **
2843.4000	-20.0000	-54.7329 **	-55.6261 **
3249.6000	-20.0000	-51.1381 **	-51.4572 **
3655.8000	-20.0000	-50.9272 **	-52.9172 **
4062.0000	-20.0000	-50.5408 **	-51.1927 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

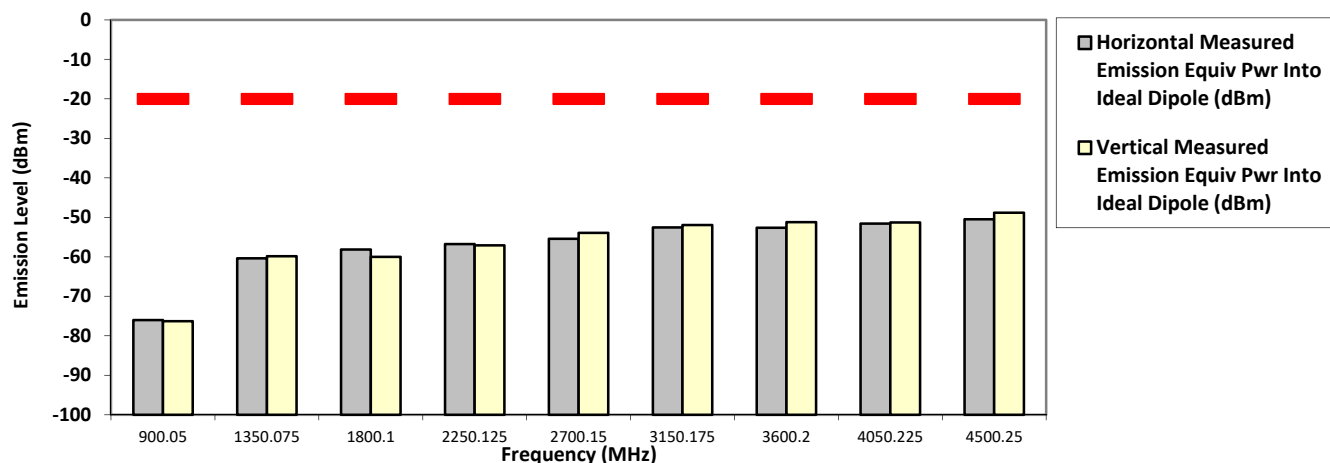
450.025000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-76.0096 **	-76.2938 **
1350.0750	-20.0000	-60.3859 **	-59.8548 **
1800.1000	-20.0000	-58.1437 **	-60.0069 **
2250.1250	-20.0000	-56.7969 **	-57.0922 **
2700.1500	-20.0000	-55.4326 **	-53.9304 **
3150.1750	-20.0000	-52.5694 **	-51.9538 **
3600.2000	-20.0000	-52.6645 **	-51.2172 **
4050.2250	-20.0000	-51.5714 **	-51.2919 **
4500.2500	-20.0000	-50.5004 **	-48.8388 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

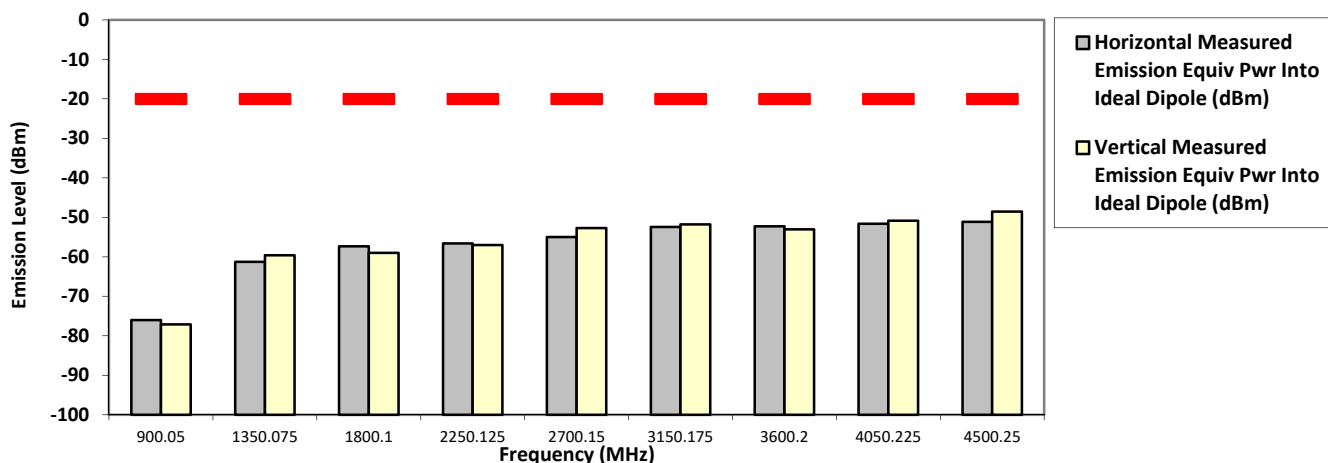
450.025000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-76.0161 **	-77.0989 **
1350.0750	-20.0000	-61.2942 **	-59.6099 **
1800.1000	-20.0000	-57.3453 **	-59.0050 **
2250.1250	-20.0000	-56.6133 **	-57.0084 **
2700.1500	-20.0000	-55.0057 **	-52.7327 **
3150.1750	-20.0000	-52.4504 **	-51.7749 **
3600.2000	-20.0000	-52.2955 **	-53.0340 **
4050.2250	-20.0000	-51.6145 **	-50.8492 **
4500.2500	-20.0000	-51.1587 **	-48.5716 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:**03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1,
HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Digital

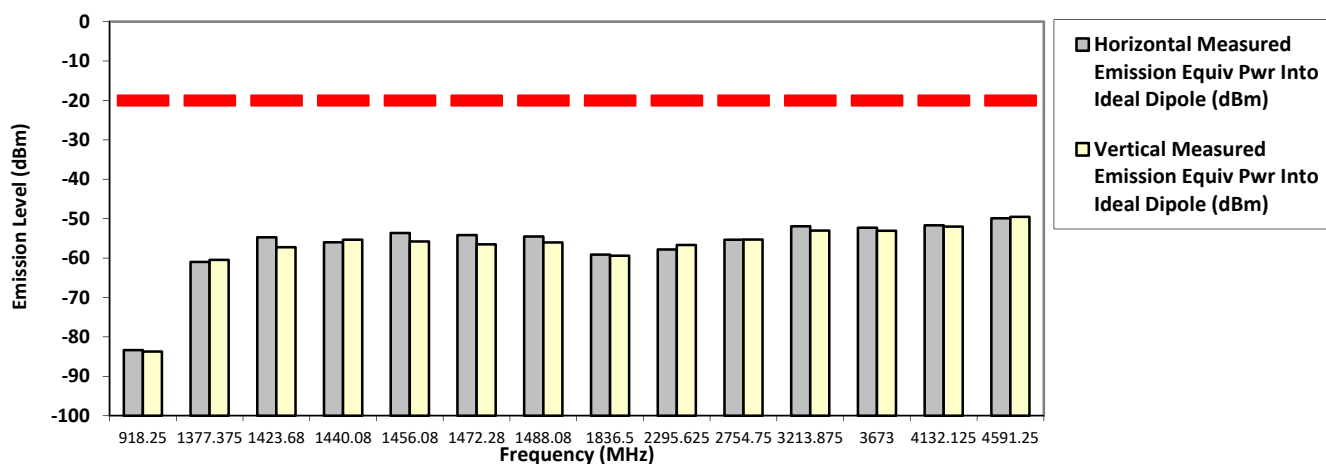
459.125000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-83.3478 **	-83.7159 **
1377.3750	-20.0000	-60.9854 **	-60.4690 **
1423.6800	-20.0000	-54.7300 *	-57.2600 *
1440.0800	-20.0000	-56.0000 *	-55.3400 *
1456.0800	-20.0000	-53.6300 *	-55.7800 *
1472.2800	-20.0000	-54.1500 *	-56.5400 *
1488.0800	-20.0000	-54.5200 *	-56.0400 *
1836.5000	-20.0000	-59.1235 **	-59.4085 **
2295.6250	-20.0000	-57.8008 **	-56.6951 **
2754.7500	-20.0000	-55.3286 **	-55.3006 **
3213.8750	-20.0000	-51.9202 **	-53.0348 **
3673.0000	-20.0000	-52.3052 **	-53.0534 **
4132.1250	-20.0000	-51.6846 **	-51.9957 **
4591.2500	-20.0000	-49.9031 **	-49.5282 **

RADIATED SPURIOUS EMISSIONS



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

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

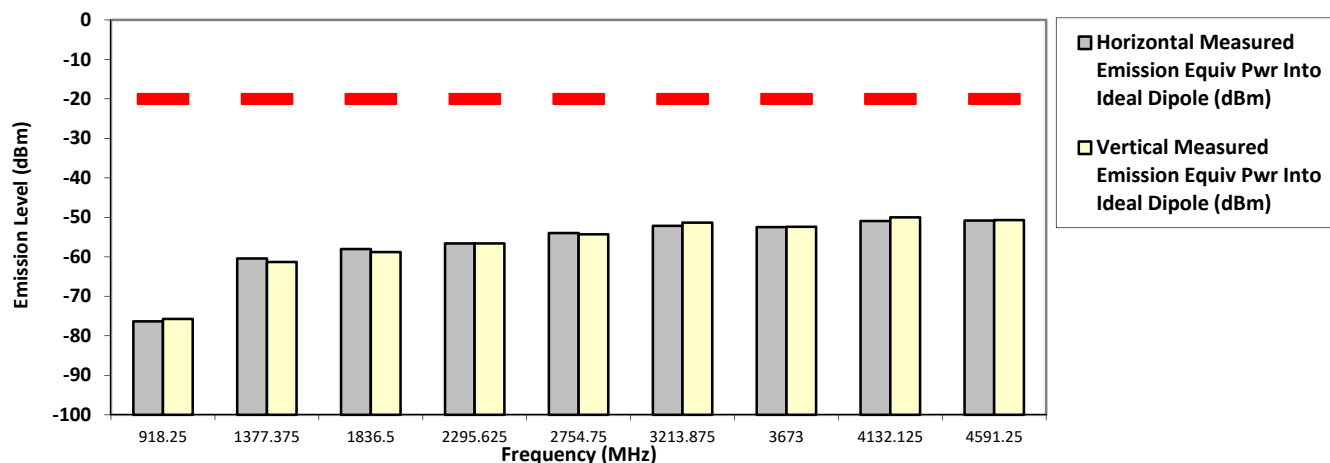
459.125000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-76.3602 **	-75.7344 **
1377.3750	-20.0000	-60.4376 **	-61.3022 **
1836.5000	-20.0000	-58.0343 **	-58.7892 **
2295.6250	-20.0000	-56.6265 **	-56.5947 **
2754.7500	-20.0000	-53.9738 **	-54.2861 **
3213.8750	-20.0000	-52.1582 **	-51.3336 **
3673.0000	-20.0000	-52.4876 **	-52.4077 **
4132.1250	-20.0000	-50.9456 **	-50.0110 **
4591.2500	-20.0000	-50.8036 **	-50.7026 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

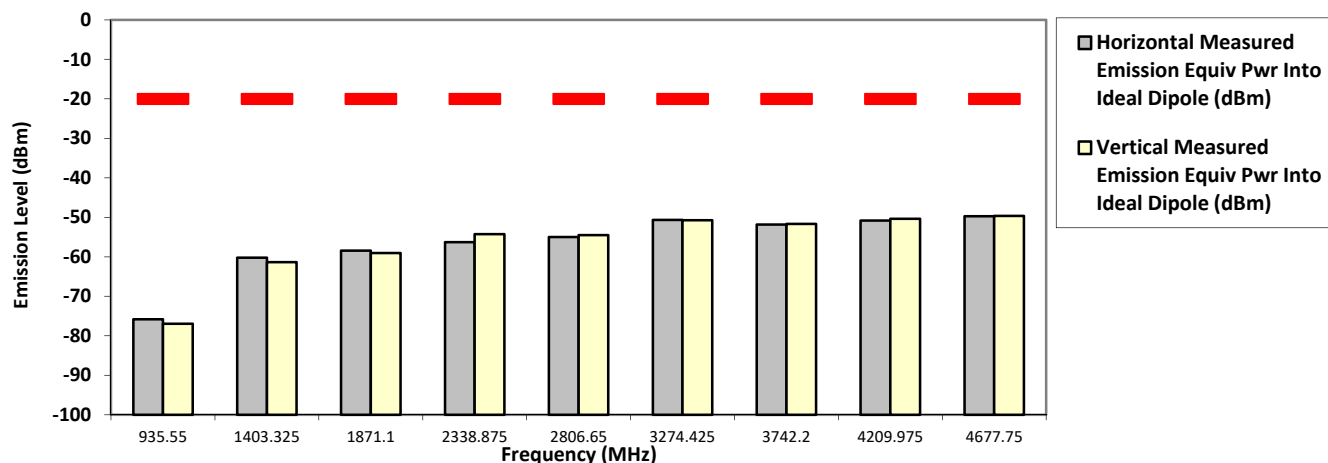
467.775000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-75.8146 **	-76.9526 **
1403.3250	-20.0000	-60.2311 **	-61.3516 **
1871.1000	-20.0000	-58.4257 **	-59.0388 **
2338.8750	-20.0000	-56.2865 **	-54.2649 **
2806.6500	-20.0000	-54.9950 **	-54.5260 **
3274.4250	-20.0000	-50.6530 **	-50.7441 **
3742.2000	-20.0000	-51.8464 **	-51.6788 **
4209.9750	-20.0000	-50.8348 **	-50.3831 **
4677.7500	-20.0000	-49.7229 **	-49.6377 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

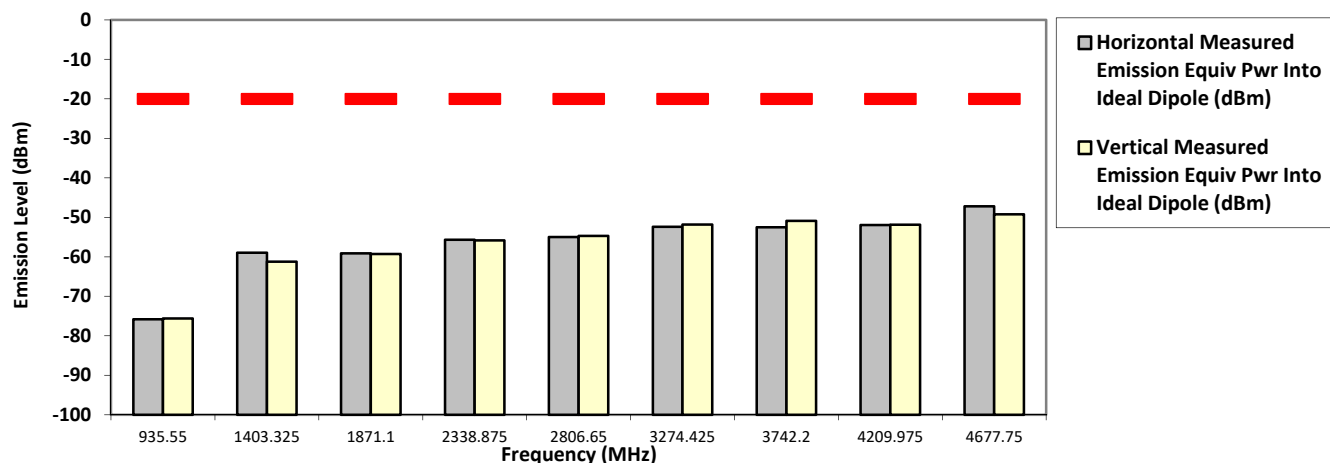
467.775000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-75.8026 **	-75.5990 **
1403.3250	-20.0000	-58.9530 **	-61.2331 **
1871.1000	-20.0000	-59.1434 **	-59.2952 **
2338.8750	-20.0000	-55.6781 **	-55.8419 **
2806.6500	-20.0000	-55.0022 **	-54.7017 **
3274.4250	-20.0000	-52.3999 **	-51.8415 **
3742.2000	-20.0000	-52.5200 **	-50.9012 **
4209.9750	-20.0000	-51.9490 **	-51.8848 **
4677.7500	-20.0000	-47.2097 **	-49.2549 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

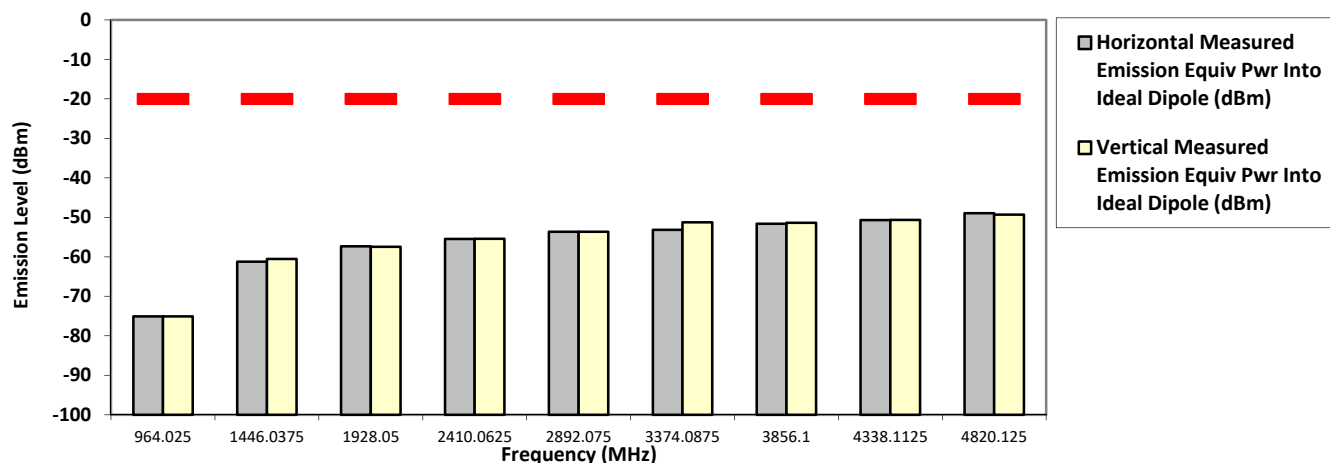
482.012500 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-75.1103 **	-75.0869 **
1446.0375	-20.0000	-61.2138 **	-60.5519 **
1928.0500	-20.0000	-57.3638 **	-57.4694 **
2410.0625	-20.0000	-55.4856 **	-55.4285 **
2892.0750	-20.0000	-53.6625 **	-53.6667 **
3374.0875	-20.0000	-53.1861 **	-51.2743 **
3856.1000	-20.0000	-51.6254 **	-51.3845 **
4338.1125	-20.0000	-50.7046 **	-50.6491 **
4820.1250	-20.0000	-48.9539 **	-49.3296 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

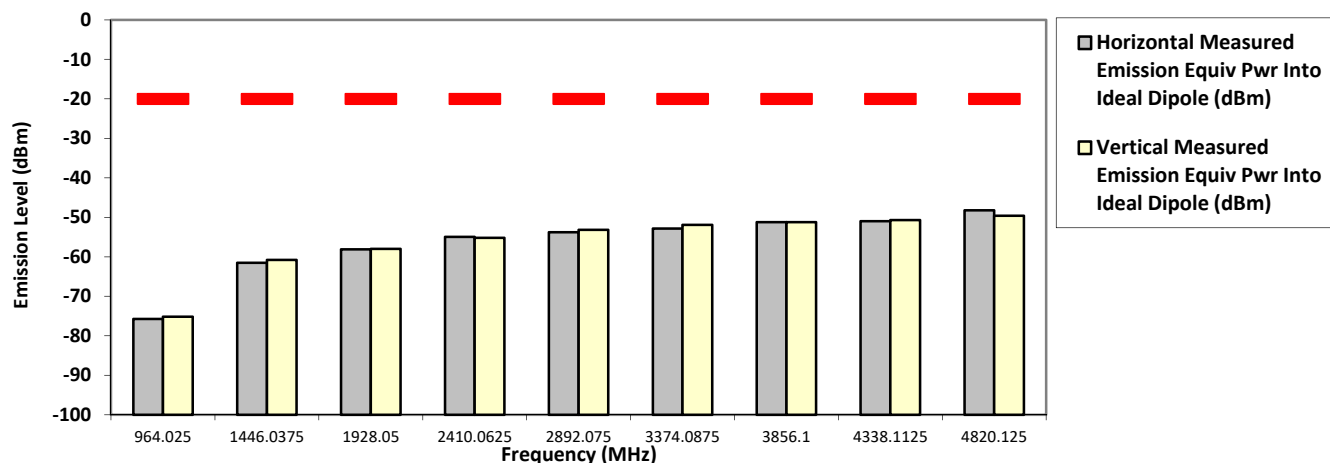
482.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-75.7406 **	-75.1640 **
1446.0375	-20.0000	-61.4995 **	-60.7755 **
1928.0500	-20.0000	-58.1289 **	-58.0030 **
2410.0625	-20.0000	-54.9437 **	-55.1849 **
2892.0750	-20.0000	-53.7880 **	-53.1600 **
3374.0875	-20.0000	-52.8575 **	-51.9296 **
3856.1000	-20.0000	-51.2295 **	-51.2377 **
4338.1125	-20.0000	-50.9938 **	-50.6968 **
4820.1250	-20.0000	-48.2078 **	-49.6177 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

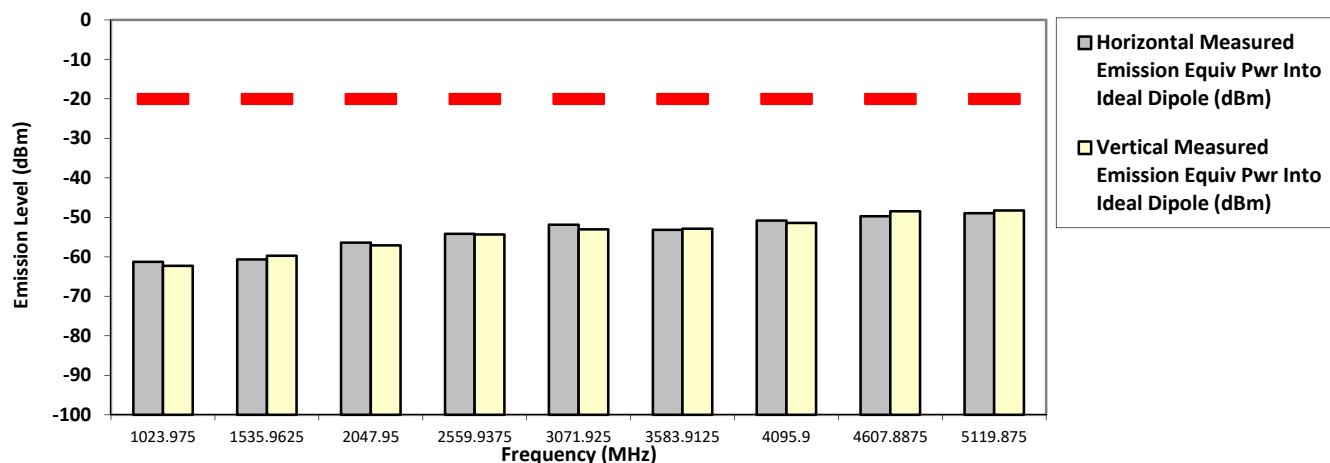
511.987500 MHz

12.5 kHz

48.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-61.2659 **	-62.2902 **
1535.9625	-20.0000	-60.6768 **	-59.7473 **
2047.9500	-20.0000	-56.4243 **	-57.0949 **
2559.9375	-20.0000	-54.1672 **	-54.3625 **
3071.9250	-20.0000	-51.8609 **	-53.0661 **
3583.9125	-20.0000	-53.1580 **	-52.8849 **
4095.9000	-20.0000	-50.8234 **	-51.4350 **
4607.8875	-20.0000	-49.7138 **	-48.4639 **
5119.8750	-20.0000	-48.9465 **	-48.2806 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

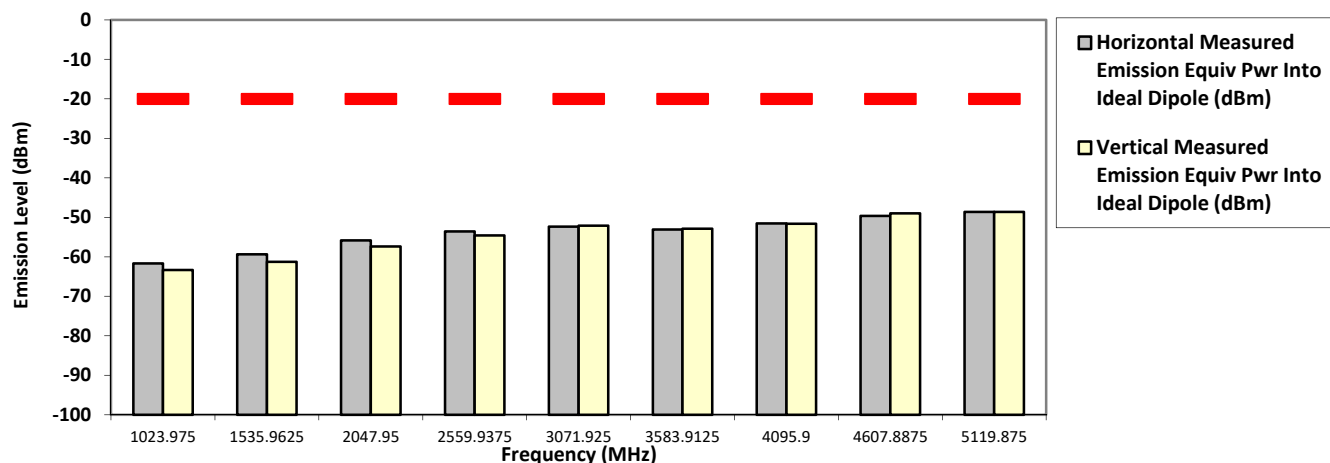
511.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-61.6957 **	-63.3278 **
1535.9625	-20.0000	-59.3509 **	-61.2880 **
2047.9500	-20.0000	-55.8642 **	-57.3854 **
2559.9375	-20.0000	-53.5614 **	-54.5710 **
3071.9250	-20.0000	-52.3765 **	-52.1041 **
3583.9125	-20.0000	-53.0822 **	-52.8702 **
4095.9000	-20.0000	-51.5451 **	-51.6477 **
4607.8875	-20.0000	-49.6610 **	-48.9887 **
5119.8750	-20.0000	-48.6265 **	-48.6468 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

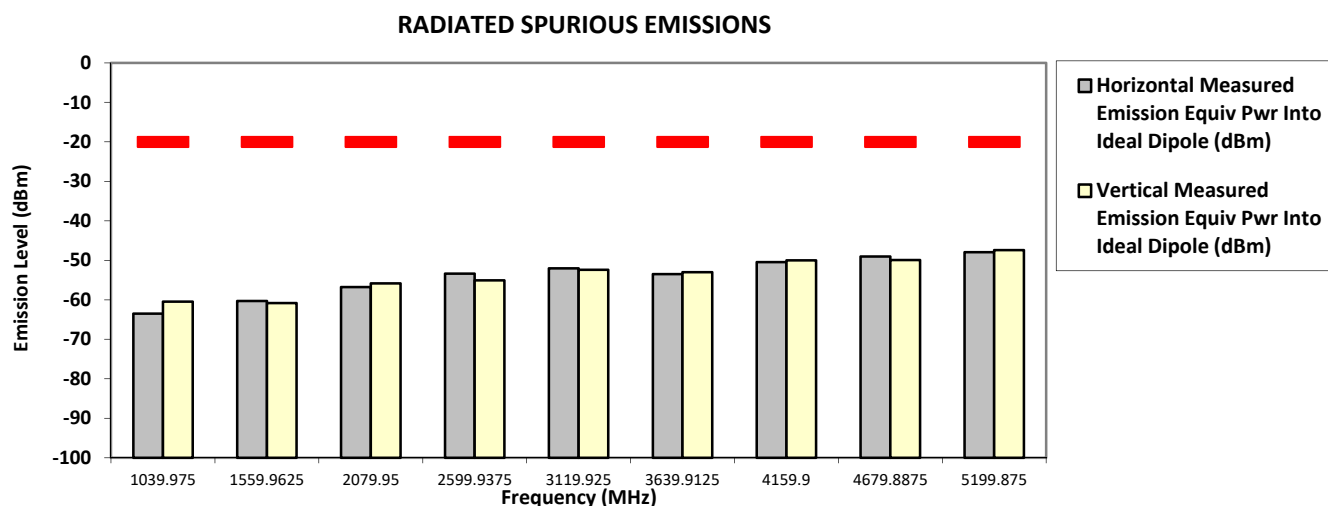
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital C4FM
519.987500 MHz (Not for FCC review) 12.5 kHz 30.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-63.5114 **	-60.4819 **
1559.9625	-20.0000	-60.2984 **	-60.8372 **
2079.9500	-20.0000	-56.7837 **	-55.8599 **
2599.9375	-20.0000	-53.3712 **	-55.0680 **
3119.9250	-20.0000	-52.0255 **	-52.4197 **
3639.9125	-20.0000	-53.5057 **	-52.9904 **
4159.9000	-20.0000	-50.4576 **	-50.0017 **
4679.8875	-20.0000	-49.0444 **	-49.9324 **
5199.8750	-20.0000	-47.9241 **	-47.4016 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

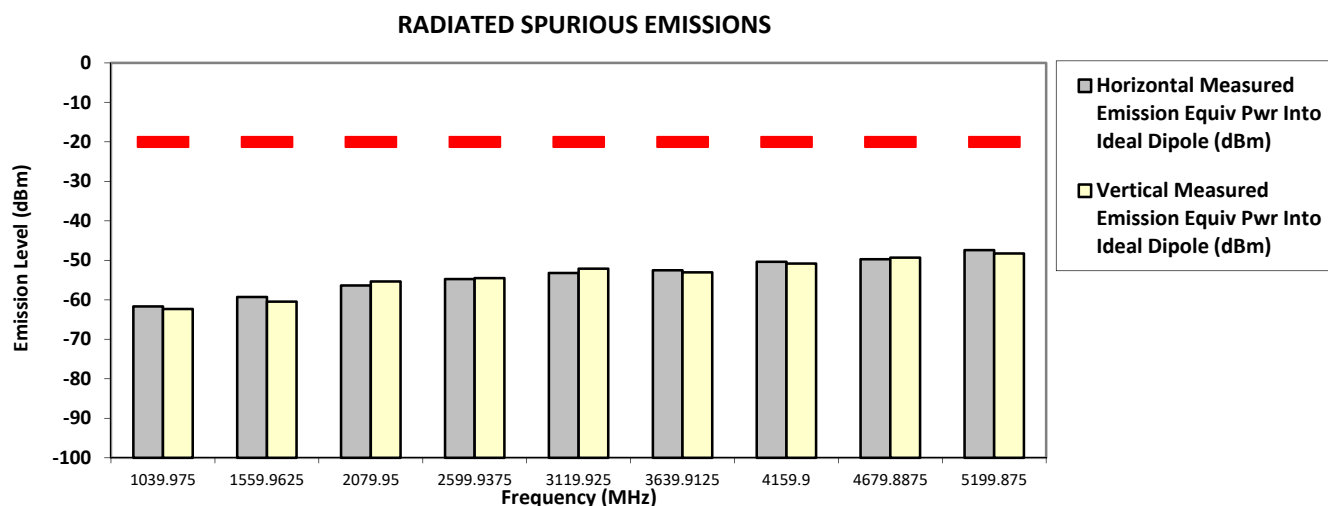
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital C4FM
519.987500 MHz (Not for FCC review) 12.5 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-61.6918 **	-62.3237 **
1559.9625	-20.0000	-59.2692 **	-60.4551 **
2079.9500	-20.0000	-56.3910 **	-55.3738 **
2599.9375	-20.0000	-54.7633 **	-54.5081 **
3119.9250	-20.0000	-53.1947 **	-52.0979 **
3639.9125	-20.0000	-52.5090 **	-53.0504 **
4159.9000	-20.0000	-50.3765 **	-50.8290 **
4679.8875	-20.0000	-49.7248 **	-49.3420 **
5199.8750	-20.0000	-47.4254 **	-48.2555 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

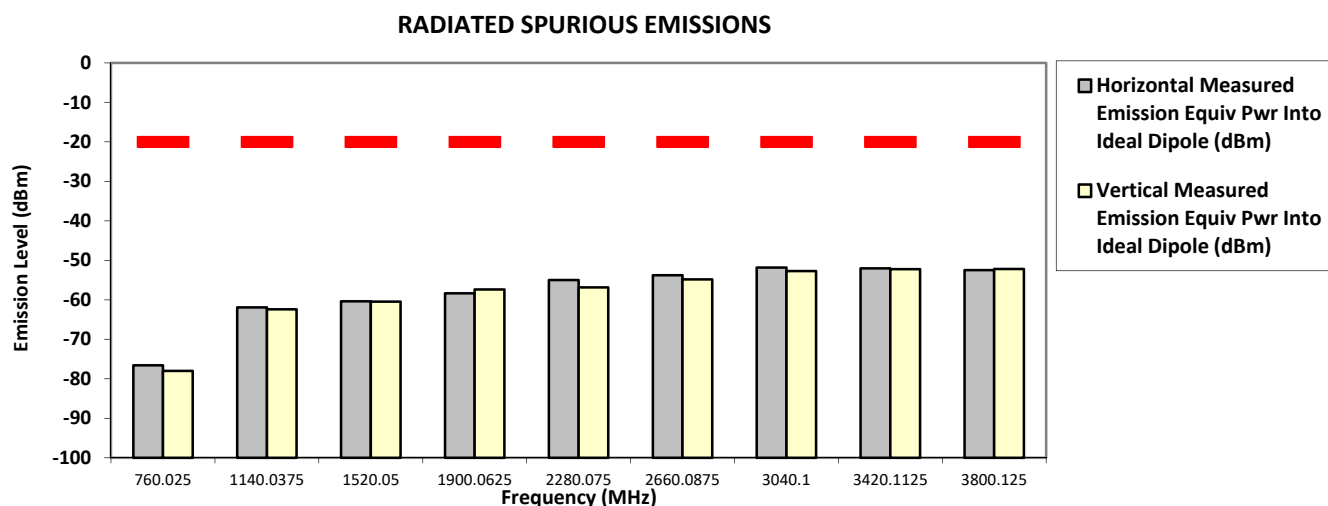
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TSS9PW1AN **SAC Transmitter Radiated Emission:** **S/N: 681TXT7177** **SR:03466-EMC-00198**
Battery Part No: NA **Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C**
Test Mode: TX APCO Digital Phase II
380.012500 MHz (Not for FCC review) **12.5 kHz** **54.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
760.0250	-20.0000	-76.6011 **	-77.9930 **
1140.0375	-20.0000	-61.9132 **	-62.4101 **
1520.0500	-20.0000	-60.3778 **	-60.4705 **
1900.0625	-20.0000	-58.3748 **	-57.3872 **
2280.0750	-20.0000	-55.0054 **	-56.8727 **
2660.0875	-20.0000	-53.7872 **	-54.8324 **
3040.1000	-20.0000	-51.8463 **	-52.7286 **
3420.1125	-20.0000	-52.0249 **	-52.2584 **
3800.1250	-20.0000	-52.4884 **	-52.1972 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

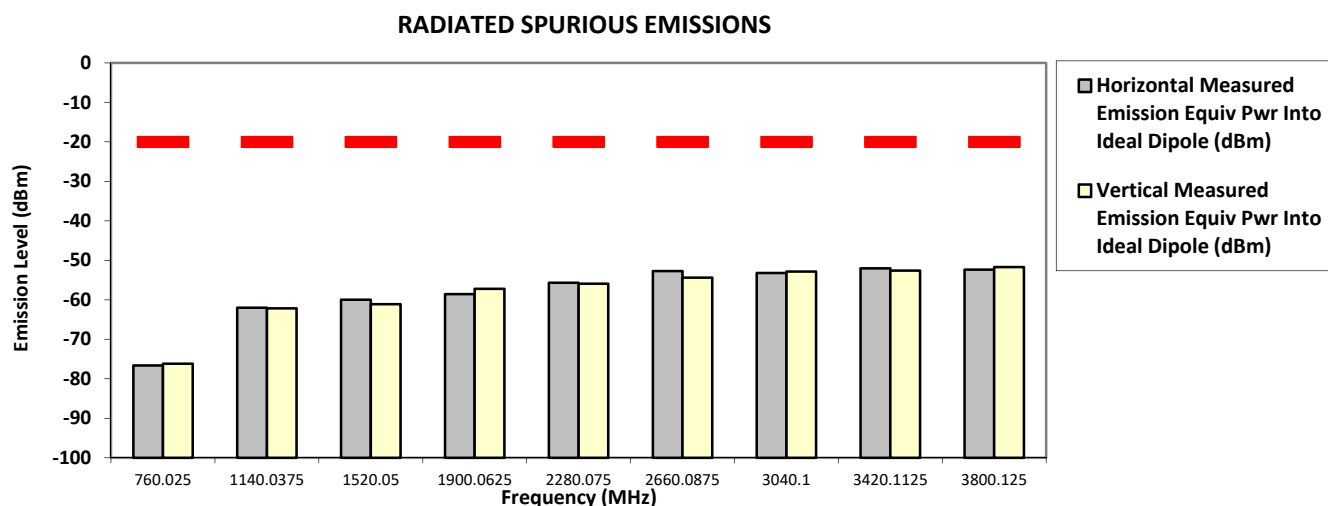
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II
380.012500 MHz (Not for FCC review) 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)
760.0250	-20.0000	-76.6337 **	-76.1664 **
1140.0375	-20.0000	-62.0121 **	-62.1604 **
1520.0500	-20.0000	-59.9866 **	-61.1028 **
1900.0625	-20.0000	-58.5587 **	-57.2083 **
2280.0750	-20.0000	-55.6961 **	-55.9148 **
2660.0875	-20.0000	-52.7396 **	-54.4003 **
3040.1000	-20.0000	-53.2239 **	-52.8573 **
3420.1125	-20.0000	-52.0502 **	-52.6202 **
3800.1250	-20.0000	-52.3617 **	-51.7078 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

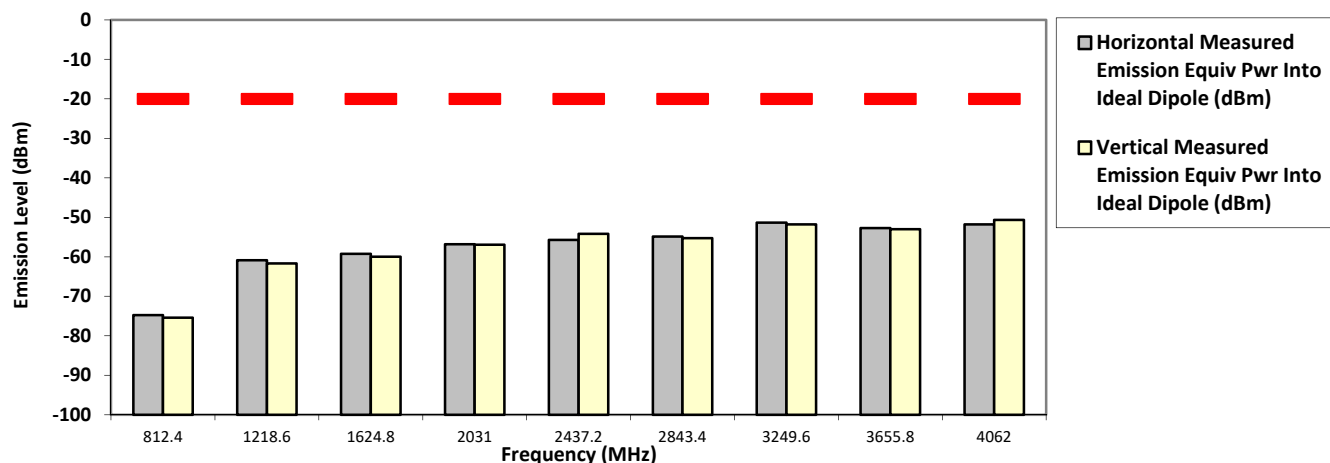
406.200000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
812.4000	-20.0000	-74.7638 **	-75.4271 **
1218.6000	-20.0000	-60.8715 **	-61.6813 **
1624.8000	-20.0000	-59.2562 **	-59.9825 **
2031.0000	-20.0000	-56.8290 **	-56.9352 **
2437.2000	-20.0000	-55.7239 **	-54.2015 **
2843.4000	-20.0000	-54.8646 **	-55.2943 **
3249.6000	-20.0000	-51.3489 **	-51.7971 **
3655.8000	-20.0000	-52.7192 **	-52.9944 **
4062.0000	-20.0000	-51.7737 **	-50.6764 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

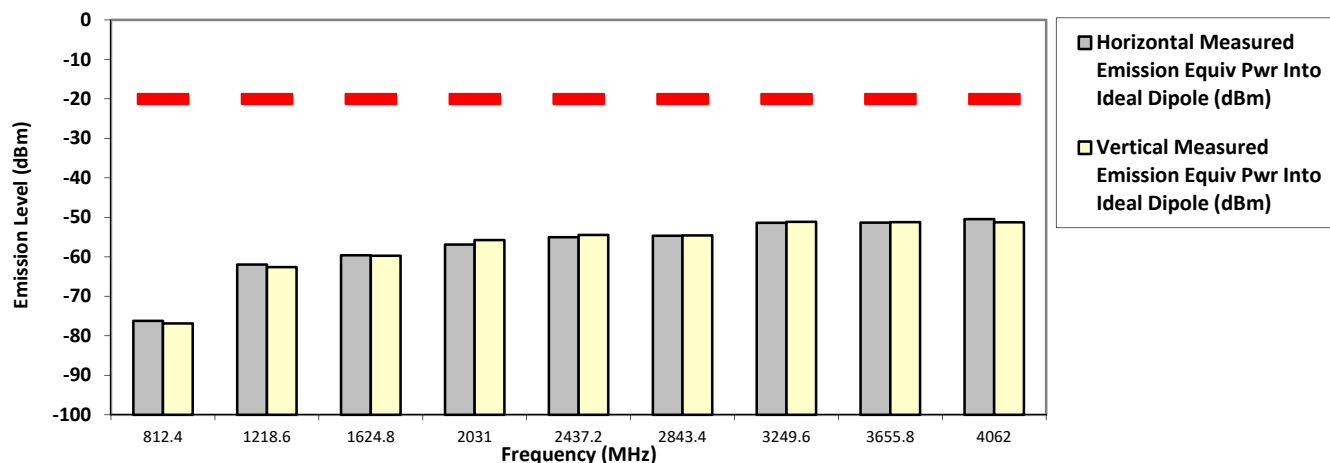
406.200000 MHz

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)
812.4000	-20.0000	-76.2254 **	-76.8715 **
1218.6000	-20.0000	-61.9801 **	-62.5973 **
1624.8000	-20.0000	-59.6118 **	-59.7434 **
2031.0000	-20.0000	-56.9003 **	-55.7630 **
2437.2000	-20.0000	-55.0185 **	-54.4608 **
2843.4000	-20.0000	-54.6517 **	-54.5838 **
3249.6000	-20.0000	-51.3955 **	-51.1272 **
3655.8000	-20.0000	-51.3444 **	-51.2341 **
4062.0000	-20.0000	-50.4460 **	-51.2821 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

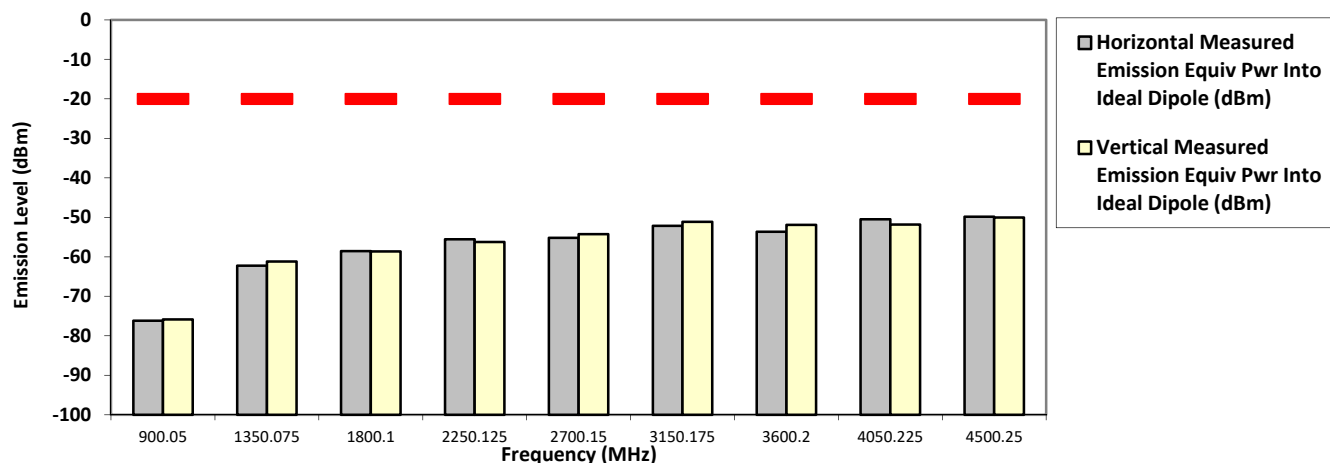
450.025000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-76.1911 **	-75.8773 **
1350.0750	-20.0000	-62.2607 **	-61.1742 **
1800.1000	-20.0000	-58.5666 **	-58.6491 **
2250.1250	-20.0000	-55.5803 **	-56.2395 **
2700.1500	-20.0000	-55.2077 **	-54.2799 **
3150.1750	-20.0000	-52.1659 **	-51.1290 **
3600.2000	-20.0000	-53.6622 **	-51.9075 **
4050.2250	-20.0000	-50.4833 **	-51.8309 **
4500.2500	-20.0000	-49.8611 **	-50.0413 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

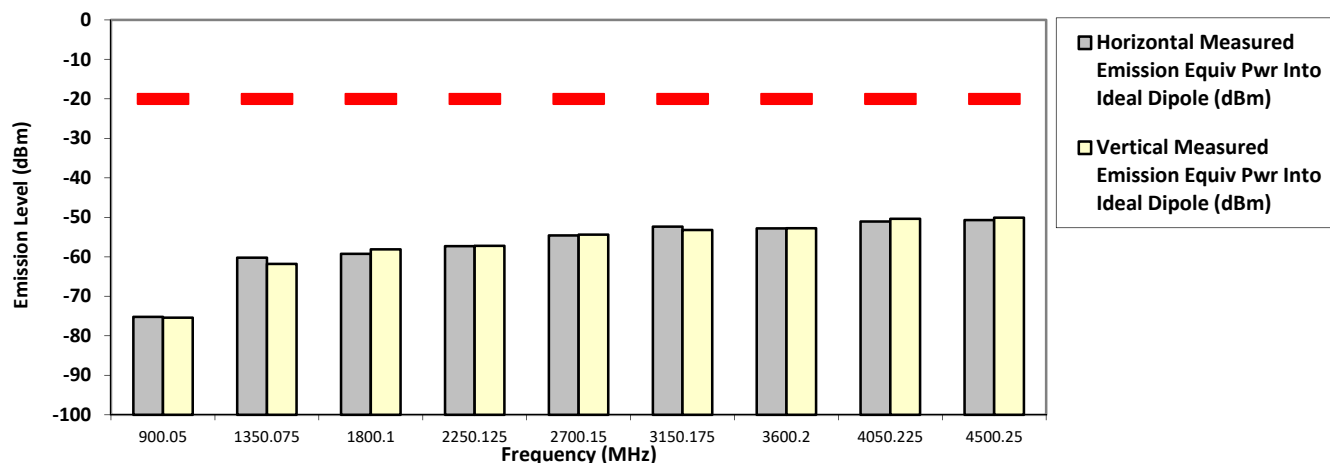
450.025000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-75.2059 **	-75.4223 **
1350.0750	-20.0000	-60.2121 **	-61.7936 **
1800.1000	-20.0000	-59.2361 **	-58.1155 **
2250.1250	-20.0000	-57.3043 **	-57.2230 **
2700.1500	-20.0000	-54.5954 **	-54.4040 **
3150.1750	-20.0000	-52.3408 **	-53.2014 **
3600.2000	-20.0000	-52.8243 **	-52.7623 **
4050.2250	-20.0000	-51.0624 **	-50.3894 **
4500.2500	-20.0000	-50.7115 **	-50.0937 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX APCO Digital Phase II

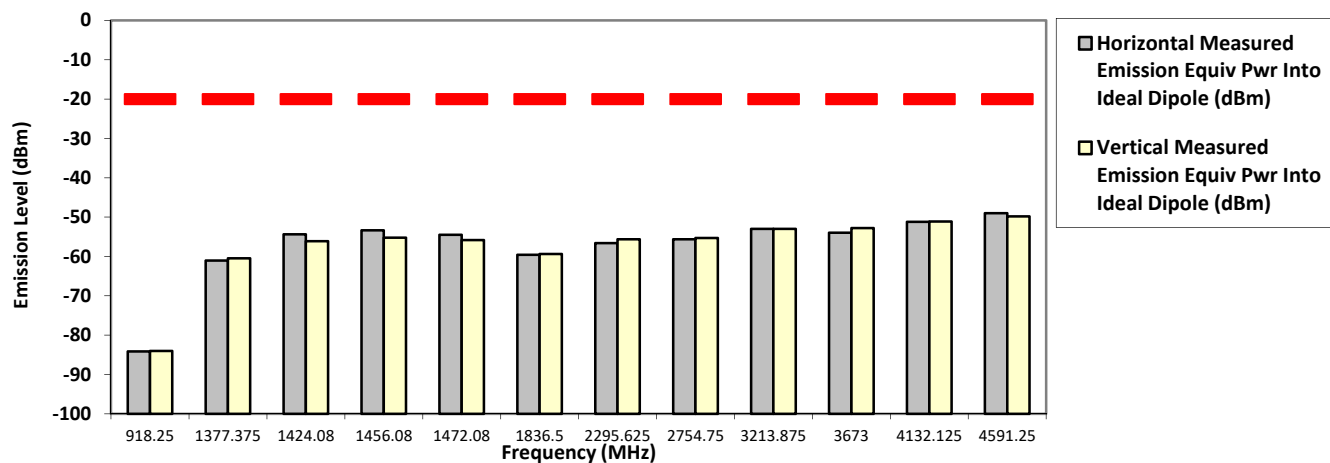
459.125000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-84.1326 **	-84.0110 **
1377.3750	-20.0000	-61.0429 **	-60.4729 **
1424.0800	-20.0000	-54.3800 *	-56.1300 *
1456.0800	-20.0000	-53.3700 *	-55.2200 *
1472.0800	-20.0000	-54.5000 *	-55.8500 *
1836.5000	-20.0000	-59.5770 **	-59.3870 **
2295.6250	-20.0000	-56.5992 **	-55.6260 **
2754.7500	-20.0000	-55.6514 **	-55.3076 **
3213.8750	-20.0000	-52.9772 **	-52.9983 **
3673.0000	-20.0000	-53.9785 **	-52.7919 **
4132.1250	-20.0000	-51.2123 **	-51.1422 **
4591.2500	-20.0000	-48.9922 **	-49.8338 **

RADIATED SPURIOUS EMISSIONS



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

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

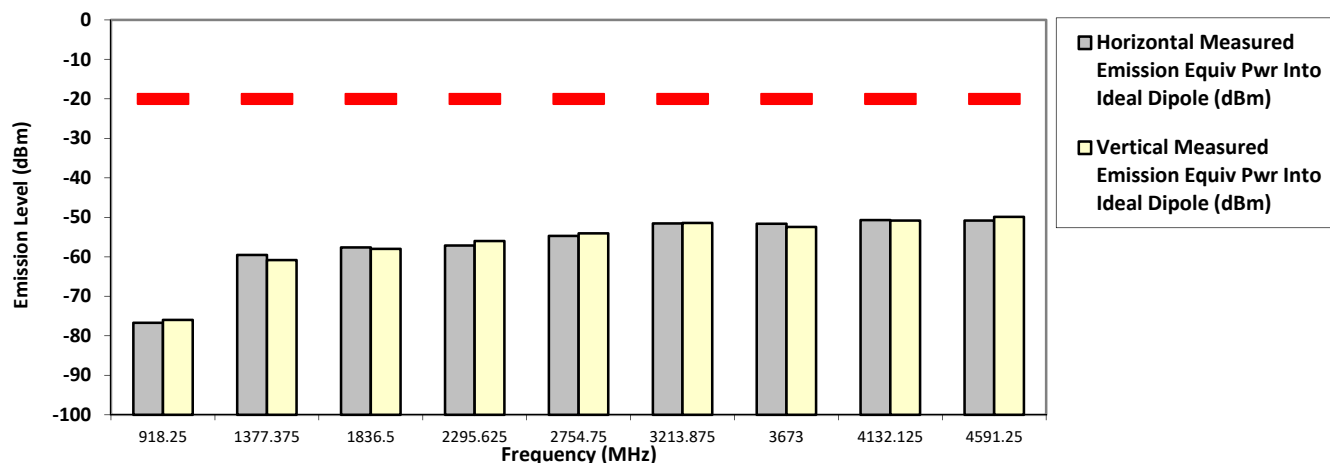
459.125000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-76.7310 **	-75.9767 **
1377.3750	-20.0000	-59.5446 **	-60.8142 **
1836.5000	-20.0000	-57.6260 **	-57.9888 **
2295.6250	-20.0000	-57.1366 **	-56.0266 **
2754.7500	-20.0000	-54.7014 **	-54.0726 **
3213.8750	-20.0000	-51.5694 **	-51.4284 **
3673.0000	-20.0000	-51.6264 **	-52.4222 **
4132.1250	-20.0000	-50.7069 **	-50.8040 **
4591.2500	-20.0000	-50.8320 **	-49.8836 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

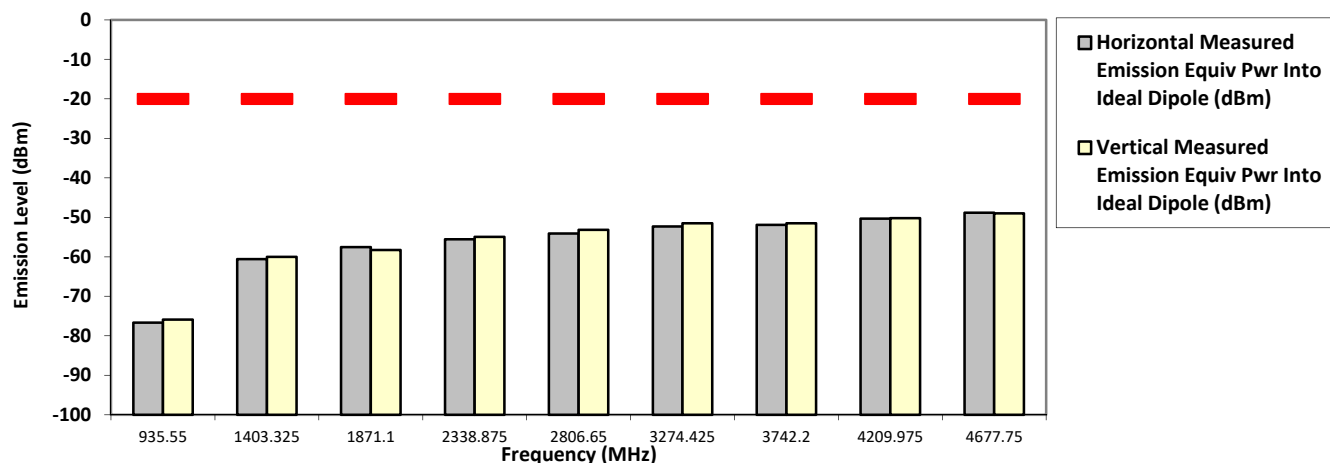
467.775000 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-76.6722 **	-75.8947 **
1403.3250	-20.0000	-60.5705 **	-60.0361 **
1871.1000	-20.0000	-57.5408 **	-58.2781 **
2338.8750	-20.0000	-55.5590 **	-54.9679 **
2806.6500	-20.0000	-54.1001 **	-53.1622 **
3274.4250	-20.0000	-52.3177 **	-51.5096 **
3742.2000	-20.0000	-51.9037 **	-51.5208 **
4209.9750	-20.0000	-50.3243 **	-50.2148 **
4677.7500	-20.0000	-48.8335 **	-49.0115 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

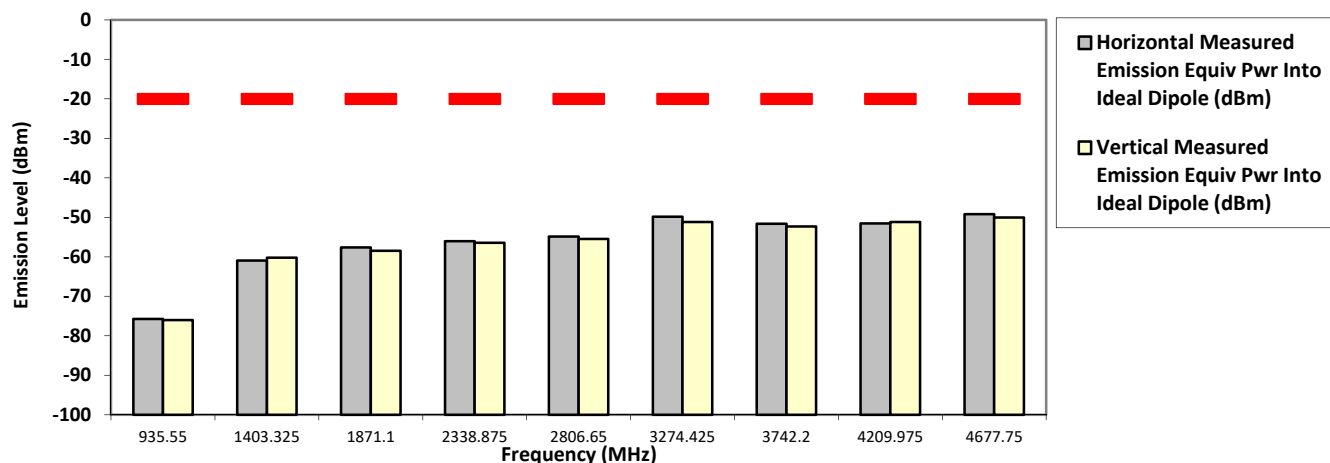
467.775000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-75.7537 **	-76.0257 **
1403.3250	-20.0000	-60.9687 **	-60.2081 **
1871.1000	-20.0000	-57.6218 **	-58.4645 **
2338.8750	-20.0000	-56.0512 **	-56.4584 **
2806.6500	-20.0000	-54.8812 **	-55.4916 **
3274.4250	-20.0000	-49.8433 **	-51.1855 **
3742.2000	-20.0000	-51.6281 **	-52.3026 **
4209.9750	-20.0000	-51.5662 **	-51.1822 **
4677.7500	-20.0000	-49.2141 **	-50.0353 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

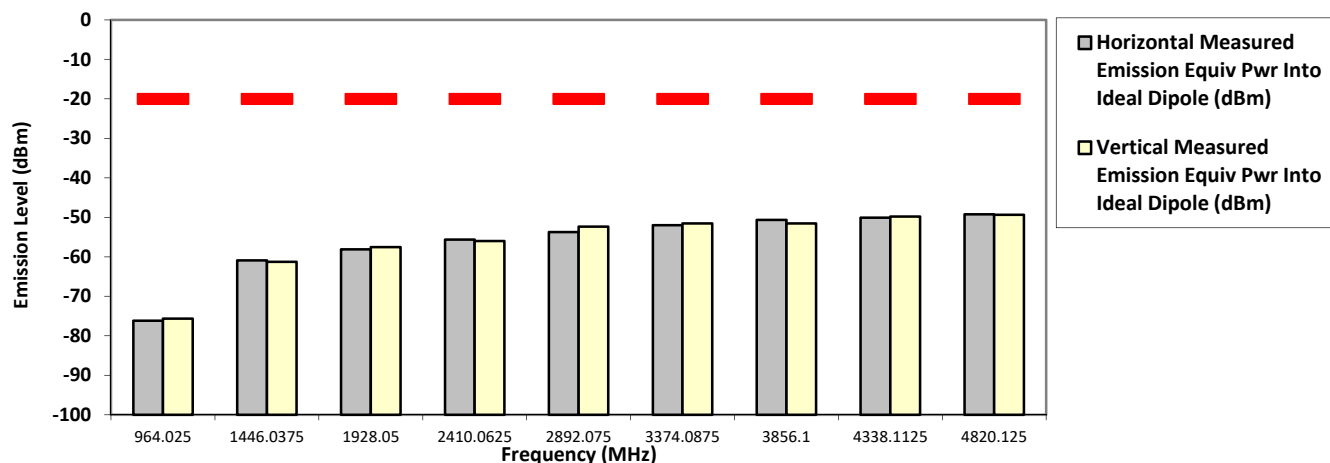
482.012500 MHz

12.5 kHz

54.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-76.1646 **	-75.6677 **
1446.0375	-20.0000	-60.9081 **	-61.2567 **
1928.0500	-20.0000	-58.1252 **	-57.5335 **
2410.0625	-20.0000	-55.6505 **	-56.0271 **
2892.0750	-20.0000	-53.7574 **	-52.3443 **
3374.0875	-20.0000	-52.0097 **	-51.5551 **
3856.1000	-20.0000	-50.6617 **	-51.5372 **
4338.1125	-20.0000	-50.0936 **	-49.8264 **
4820.1250	-20.0000	-49.2465 **	-49.3503 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

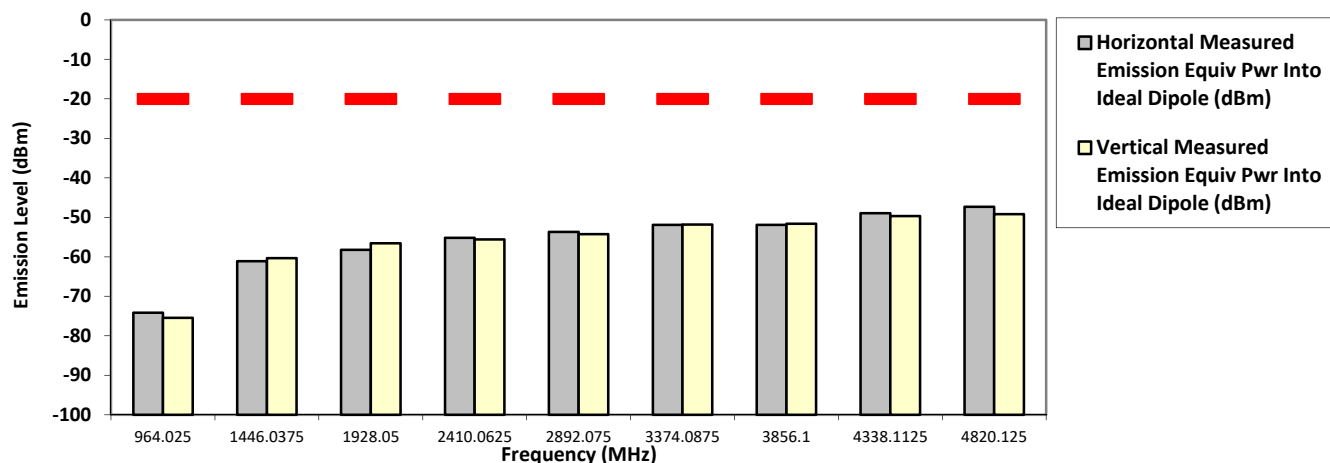
482.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-74.1742 **	-75.4690 **
1446.0375	-20.0000	-61.1081 **	-60.3486 **
1928.0500	-20.0000	-58.2455 **	-56.5589 **
2410.0625	-20.0000	-55.2042 **	-55.6170 **
2892.0750	-20.0000	-53.6814 **	-54.2541 **
3374.0875	-20.0000	-51.9085 **	-51.8512 **
3856.1000	-20.0000	-51.9333 **	-51.6142 **
4338.1125	-20.0000	-48.9452 **	-49.6982 **
4820.1250	-20.0000	-47.3409 **	-49.1820 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

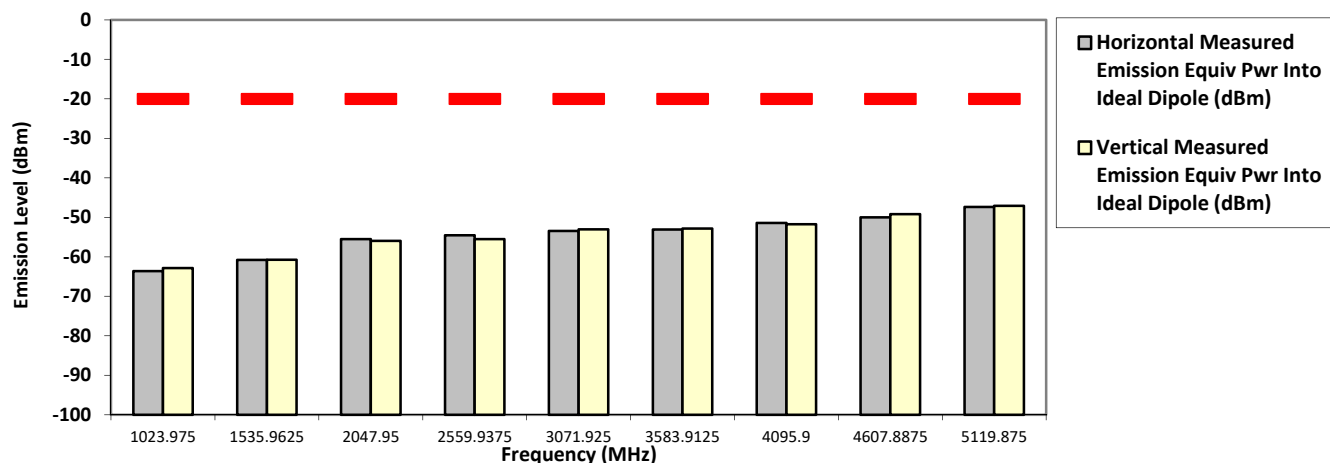
511.987500 MHz

12.5 kHz

48.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-63.6191 **	-62.8654 **
1535.9625	-20.0000	-60.7996 **	-60.7461 **
2047.9500	-20.0000	-55.5389 **	-55.9841 **
2559.9375	-20.0000	-54.5678 **	-55.5015 **
3071.9250	-20.0000	-53.4554 **	-53.0481 **
3583.9125	-20.0000	-53.0895 **	-52.8379 **
4095.9000	-20.0000	-51.4415 **	-51.7506 **
4607.8875	-20.0000	-50.0166 **	-49.2095 **
5119.8750	-20.0000	-47.3789 **	-47.0826 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

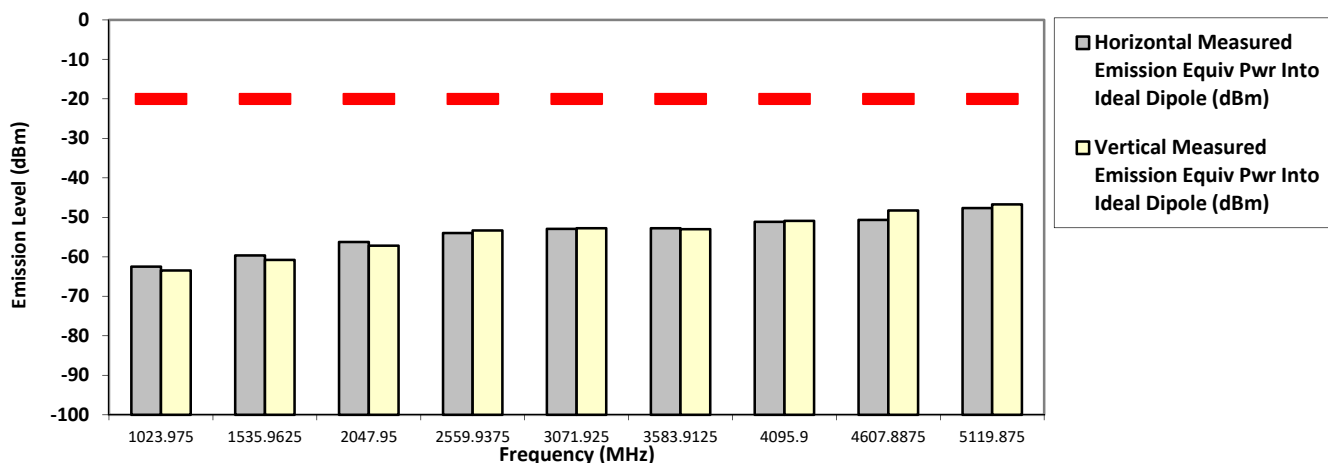
511.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-62.4901 **	-63.4603 **
1535.9625	-20.0000	-59.6446 **	-60.8046 **
2047.9500	-20.0000	-56.2306 **	-57.2017 **
2559.9375	-20.0000	-53.9703 **	-53.3162 **
3071.9250	-20.0000	-52.9388 **	-52.7703 **
3583.9125	-20.0000	-52.7582 **	-53.0243 **
4095.9000	-20.0000	-51.1481 **	-50.9075 **
4607.8875	-20.0000	-50.6619 **	-48.2708 **
5119.8750	-20.0000	-47.6739 **	-46.7296 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin

Fri, 10 Dec, 2021

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

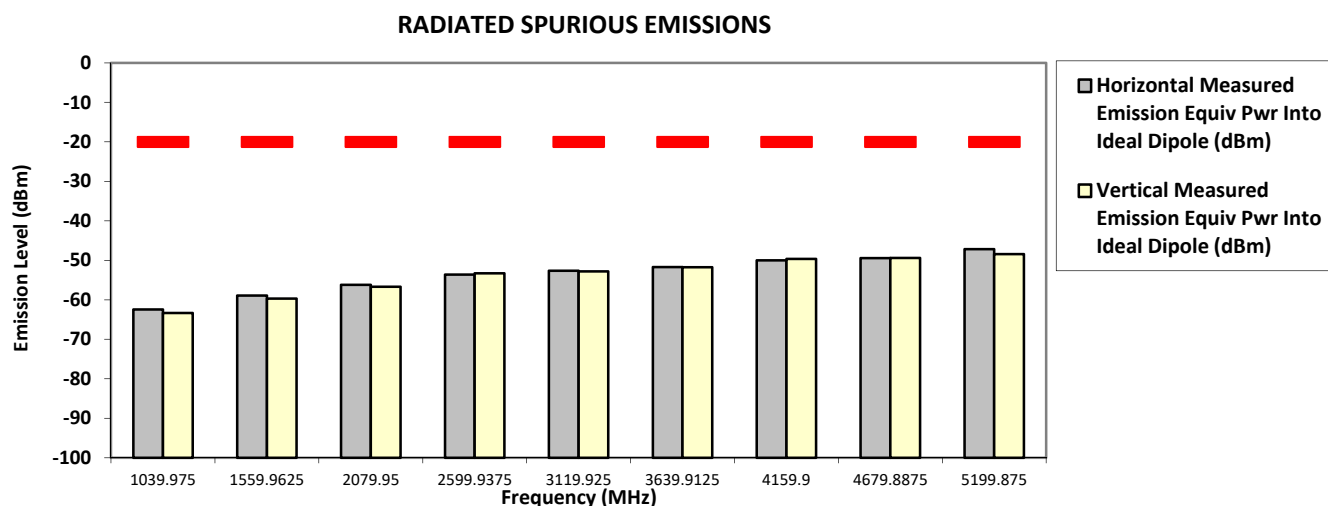
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II
519.987500 MHz (Not for FCC review) 12.5 kHz 30.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-62.4496 **	-63.3423 **
1559.9625	-20.0000	-58.9204 **	-59.6881 **
2079.9500	-20.0000	-56.2202 **	-56.6864 **
2599.9375	-20.0000	-53.5964 **	-53.2746 **
3119.9250	-20.0000	-52.6444 **	-52.7974 **
3639.9125	-20.0000	-51.7216 **	-51.7520 **
4159.9000	-20.0000	-50.0004 **	-49.6637 **
4679.8875	-20.0000	-49.4482 **	-49.4042 **
5199.8750	-20.0000	-47.1729 **	-48.4251 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

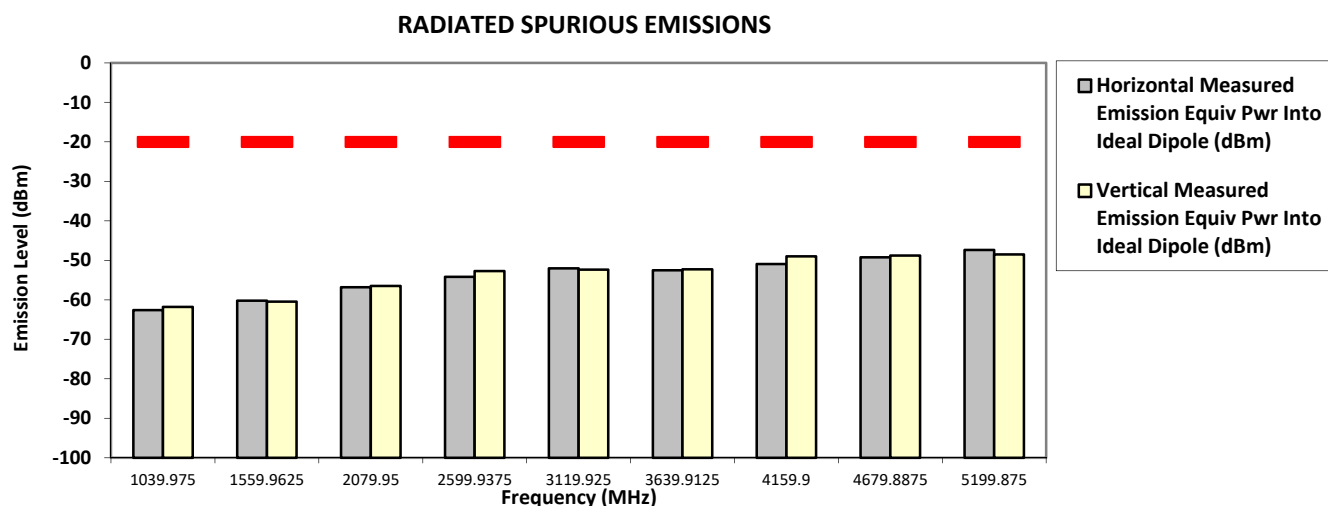
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 24.1 Hum(%RH): 69.8

Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II
519.987500 MHz (Not for FCC review) 12.5 kHz 1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-62.6019 **	-61.7913 **
1559.9625	-20.0000	-60.2119 **	-60.4478 **
2079.9500	-20.0000	-56.8059 **	-56.4743 **
2599.9375	-20.0000	-54.1856 **	-52.7200 **
3119.9250	-20.0000	-52.0526 **	-52.3802 **
3639.9125	-20.0000	-52.5222 **	-52.2785 **
4159.9000	-20.0000	-50.9453 **	-48.9854 **
4679.8875	-20.0000	-49.2455 **	-48.8085 **
5199.8750	-20.0000	-47.3705 **	-48.5022 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Aiman&Amaluddin Fri, 10 Dec, 2021

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

Remarks:

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

6.11.4. Test Limit

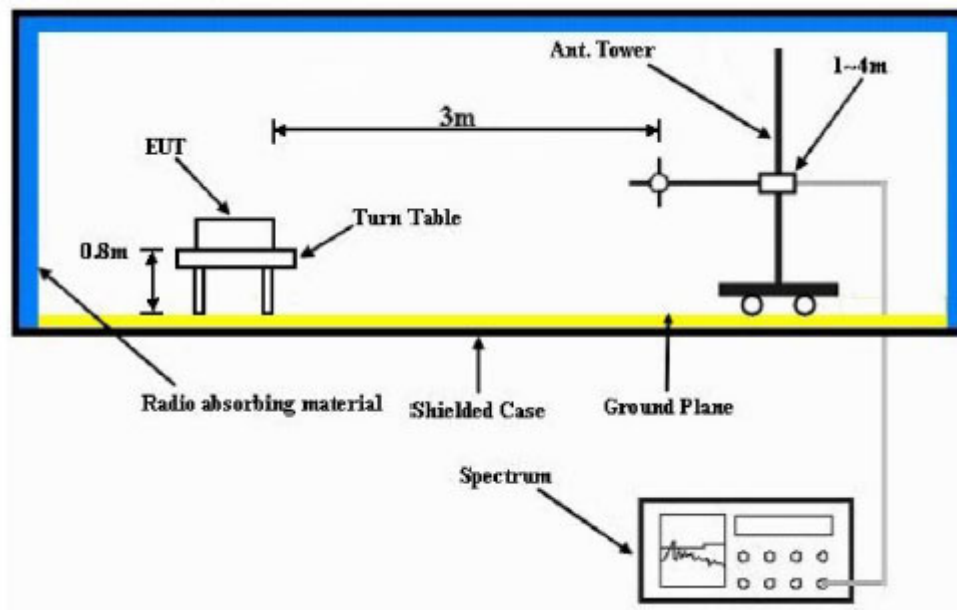
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

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

6.12. 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 $F_c < 1\text{GHz}$) or 1.5m (for $F_c > 1\text{GHz}$) 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

Part 80 ERP Calculation

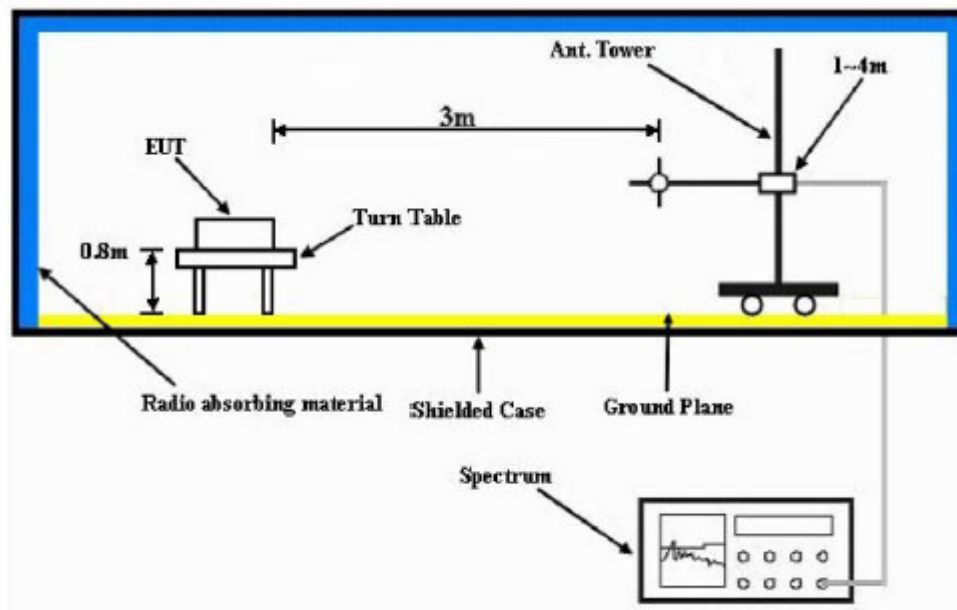
	Watts	dB	dBm	VSWR
Output power of radio	1.0		30.0	
Nominal VSWR at input of antenna connector				1.5
Mismatch loss at the input of antenna connector due to VSWR		0.2		
Output power after mismatch			29.8	
Loss of the cable, connector and mount		1.9		
Input power to the antenna feed	0.6		27.9	
ERP with 5dBd Gain antenna (RAE4014ARB)	2.0		32.9	

6.12.1. Test Limit

The maximum output power of the transmitter for Part 80 is 2 watts.

6.13. GNSS (EIRP for 1559 - 1610MHz)

6.13.1. Test Setup



- 4) The Resolution Bandwidth for Equivalent Isotropically Radiated Power (EIRP) below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for EIRP above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector Mode is RMS.
- 5) In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The “Read Value” is the spectrum reading of maximum power value.
- 6) The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.
- 7) $EIRP = \text{“Read Value”} + \text{Measured substitution value} + 2.15$.

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 ~