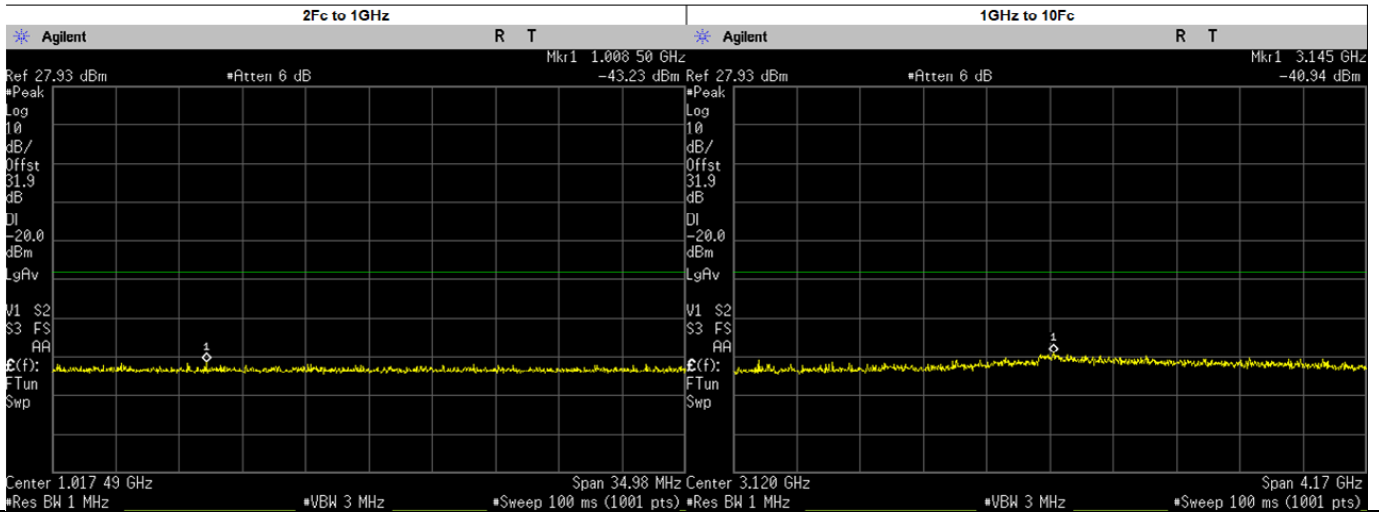
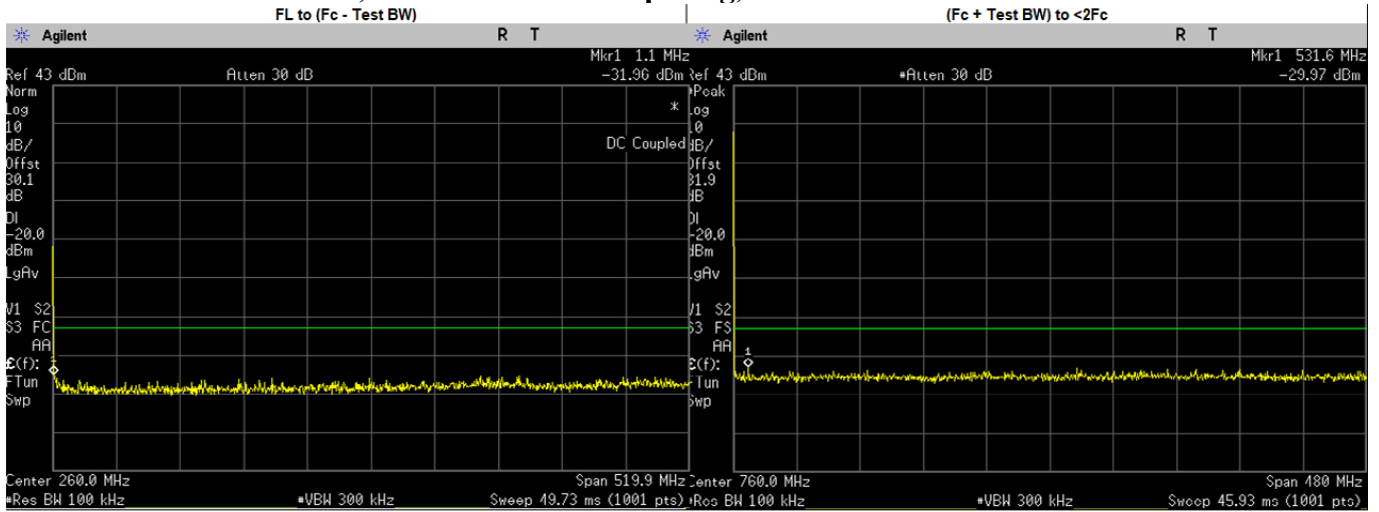


**Phase II: 519.9875MHz, 12.5 kHz Channel Spacing, Low. Power**



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	1.1000	-31.9600	-20.00	PASS
(Fc + Test BW) to <2Fc	531.5632	-29.9700	-20.00	PASS
2Fc to 1GHz	1008.4990	-43.2300	-20.00	PASS
1GHz to 10Fc	3144.9440	-40.9400	-20.00	PASS
	1039.9750	-45.9050	-20.00	PASS
	1559.9630	-45.0566	-20.00	PASS
	2079.9500	-44.6969	-20.00	PASS
	2599.9370	-44.3337	-20.00	PASS
	3119.9250	-42.1650	-20.00	PASS
	3639.9120	-42.7105	-20.00	PASS
	4159.9000	-44.0108	-20.00	PASS
	4679.8870	-44.1391	-20.00	PASS
5199.8750	-44.8389	-20.00	PASS	

### 6.10.4. Test Limit

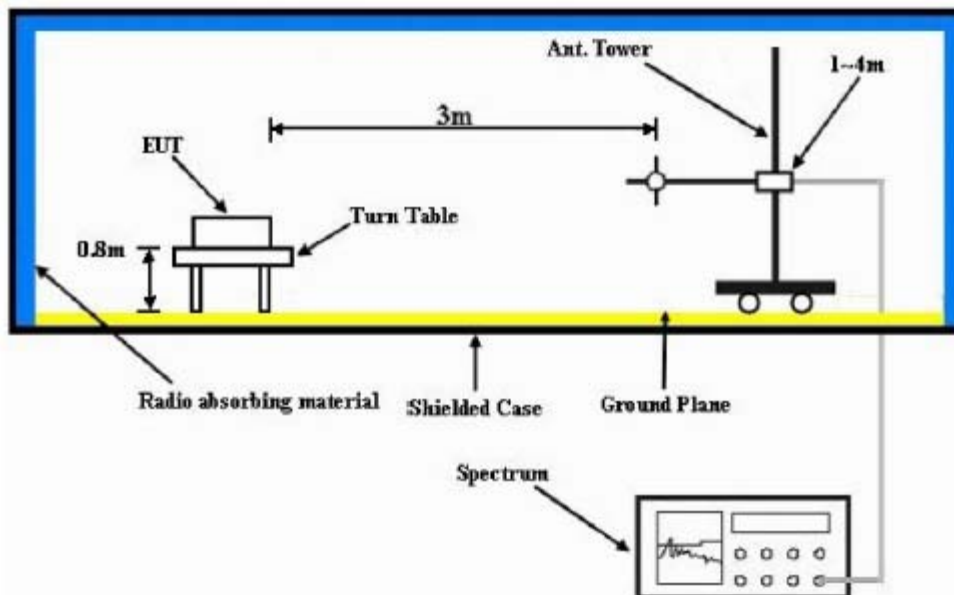
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log <sub>10</sub> (P) (-13 dBm)	Not Applicable	50 + log <sub>10</sub> (P) (-20 dBm)	43 + log <sub>10</sub> (P) (-13 dBm)
25kHz	Not Applicable	43 + log <sub>10</sub> (P) (-13 dBm)	43 + log <sub>10</sub> (P) (-13 dBm)	43 + log <sub>10</sub> (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: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01

SR:08878-EMC-00042

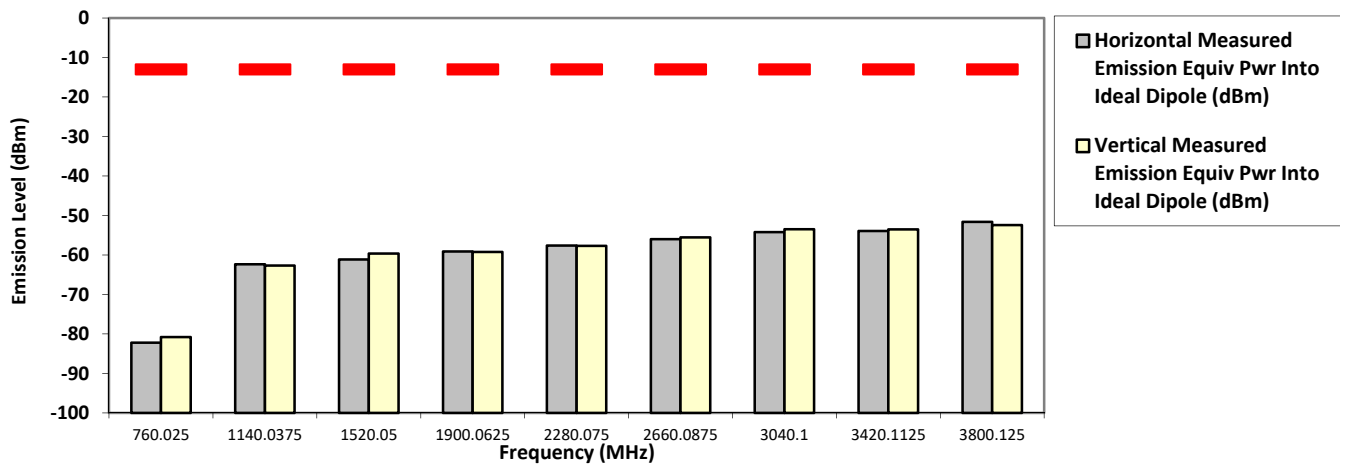
380.012500 MHz

Test Mode: TX Analog  
 25 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
760.0250	-13.0000	-82.2168 **	-80.8144 **
1140.0375	-13.0000	-62.3530 **	-62.6762 **
1520.0500	-13.0000	-61.1502 **	-59.6709 **
1900.0625	-13.0000	-59.1446 **	-59.2545 **
2280.0750	-13.0000	-57.6177 **	-57.7007 **
2660.0875	-13.0000	-56.0185 **	-55.5639 **
3040.1000	-13.0000	-54.2178 **	-53.4991 **
3420.1125	-13.0000	-53.9279 **	-53.5227 **
3800.1250	-13.0000	-51.6163 **	-52.4305 **

#### RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.  
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Fendi  
 Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

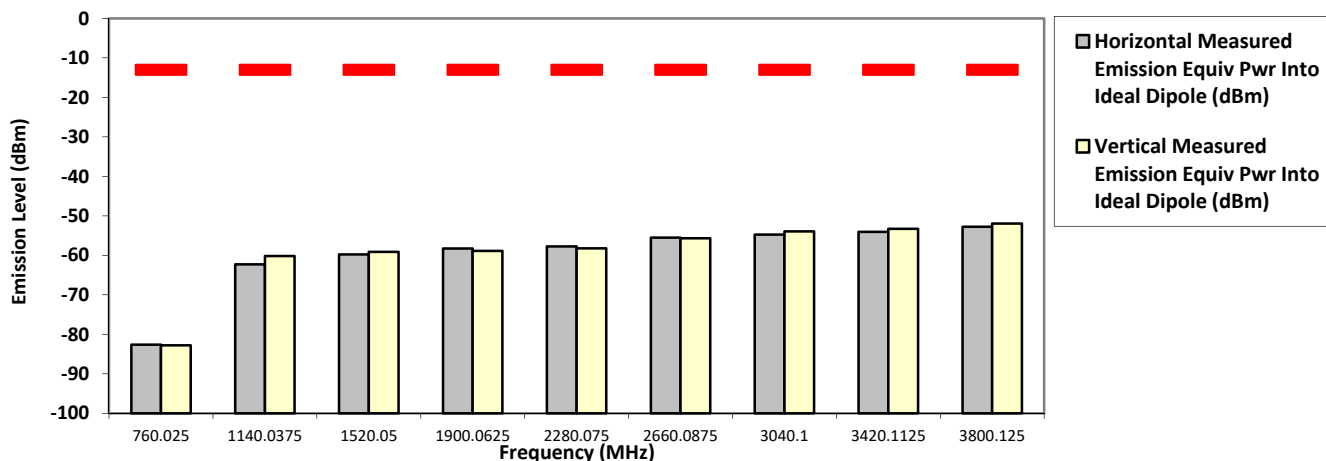
380.012500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
760.0250	-13.0000	-82.6434 **	-82.7907 **
1140.0375	-13.0000	-62.2818 **	-60.1673 **
1520.0500	-13.0000	-59.7918 **	-59.1247 **
1900.0625	-13.0000	-58.2640 **	-58.8915 **
2280.0750	-13.0000	-57.7474 **	-58.2372 **
2660.0875	-13.0000	-55.5237 **	-55.7006 **
3040.1000	-13.0000	-54.7451 **	-53.9294 **
3420.1125	-13.0000	-54.0641 **	-53.2728 **
3800.1250	-13.0000	-52.7704 **	-51.9597 **

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&Fendi

Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01

SR:08878-EMC-00042

Test Mode: TX Analog

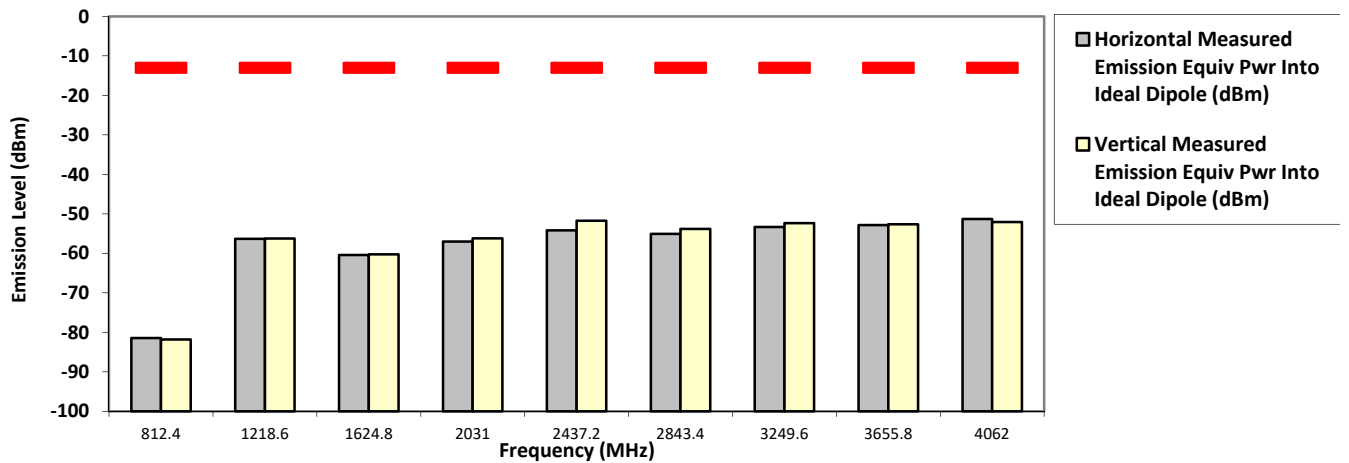
406.200000 MHz

25 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
812.4000	-13.0000	-81.4467 **	-81.8208 **
1218.6000	-13.0000	-56.3500 *	-56.2700 *
1624.8000	-13.0000	-60.4075 **	-60.2615 **
2031.0000	-13.0000	-57.0218 **	-56.2055 **
2437.2000	-13.0000	-54.1883 **	-51.7403 **
2843.4000	-13.0000	-55.0829 **	-53.8325 **
3249.6000	-13.0000	-53.3343 **	-52.3602 **
3655.8000	-13.0000	-52.8419 **	-52.6625 **
4062.0000	-13.0000	-51.3122 **	-52.0766 **

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&Fendi

Sun, 29 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01

SR:08878-EMC-00042

Test Mode: TX Analog

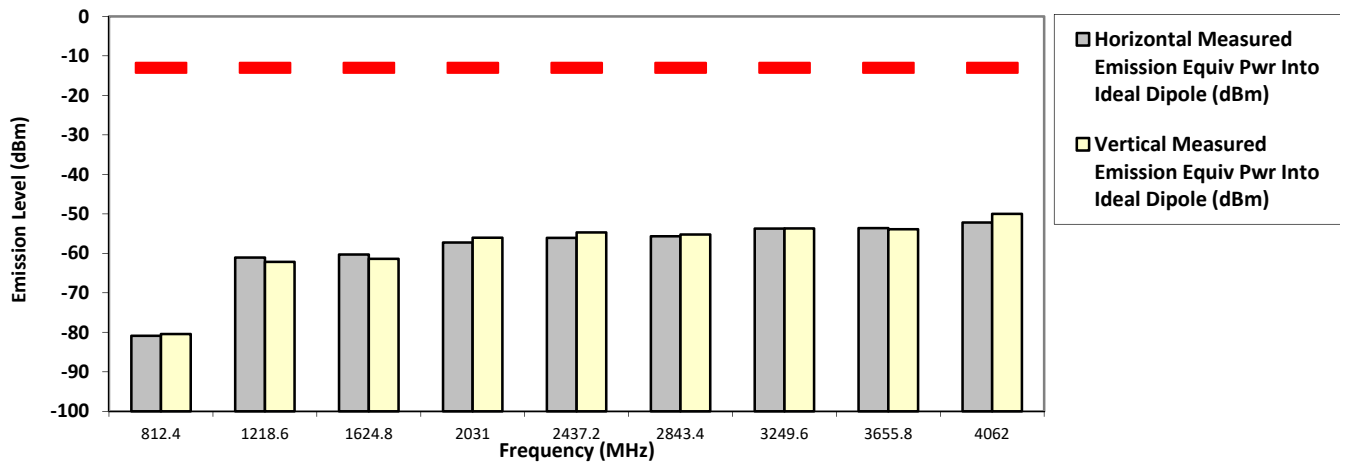
406.20000 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
812.4000	-13.0000	-80.8914 **	-80.4484 **
1218.6000	-13.0000	-61.0634 **	-62.1484 **
1624.8000	-13.0000	-60.3003 **	-61.3904 **
2031.0000	-13.0000	-57.2438 **	-56.0503 **
2437.2000	-13.0000	-56.0849 **	-54.6942 **
2843.4000	-13.0000	-55.6933 **	-55.2533 **
3249.6000	-13.0000	-53.7459 **	-53.7016 **
3655.8000	-13.0000	-53.6244 **	-53.8930 **
4062.0000	-13.0000	-52.1870 **	-50.0101 **

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&Fendi

Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

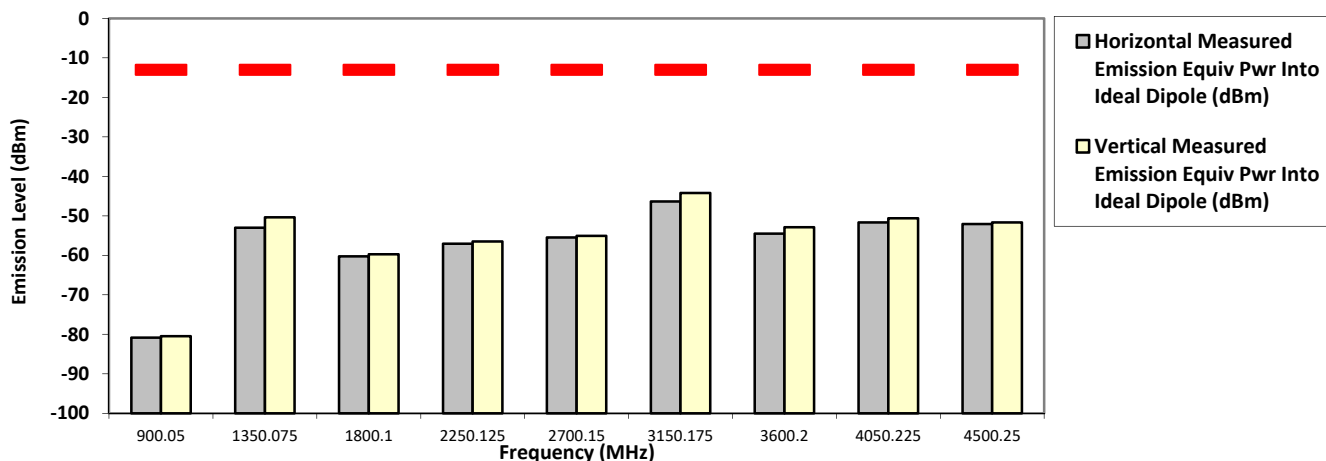
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

450.025000 MHz                      25 kHz                      120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
900.0500	-13.0000	-80.8486 **	-80.4944 **
1350.0750	-13.0000	-52.9900 *	-50.3900 *
1800.1000	-13.0000	-60.2531 **	-59.7413 **
2250.1250	-13.0000	-57.0608 **	-56.5007 **
2700.1500	-13.0000	-55.4672 **	-55.0786 **
3150.1750	-13.0000	-46.3800 *	-44.2100 *
3600.2000	-13.0000	-54.5165 **	-52.8766 **
4050.2250	-13.0000	-51.6690 **	-50.5993 **
4500.2500	-13.0000	-52.0572 **	-51.6877 **

**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&Fendi                      Sun, 29 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
----------------	------------------	----------------



Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

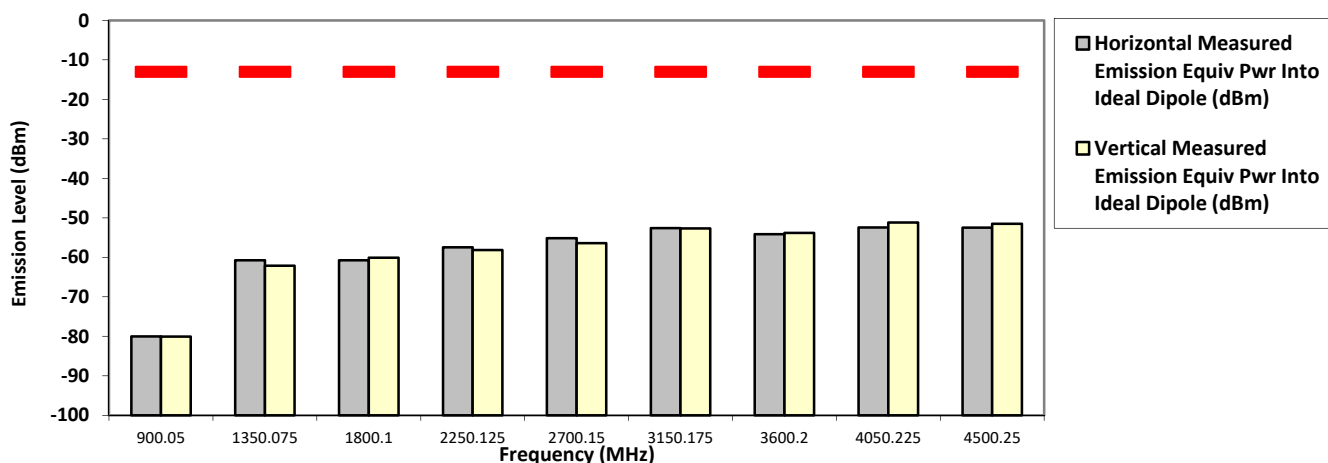
450.025000 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
900.0500	-13.0000	-80.0343 **	-80.0834 **
1350.0750	-13.0000	-60.7334 **	-62.1085 **
1800.1000	-13.0000	-60.7306 **	-60.0918 **
2250.1250	-13.0000	-57.4786 **	-58.1371 **
2700.1500	-13.0000	-55.1441 **	-56.4176 **
3150.1750	-13.0000	-52.5910 **	-52.6844 **
3600.2000	-13.0000	-54.1310 **	-53.8313 **
4050.2250	-13.0000	-52.4491 **	-51.1832 **
4500.2500	-13.0000	-52.4729 **	-51.5078 **

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&Fendi

Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

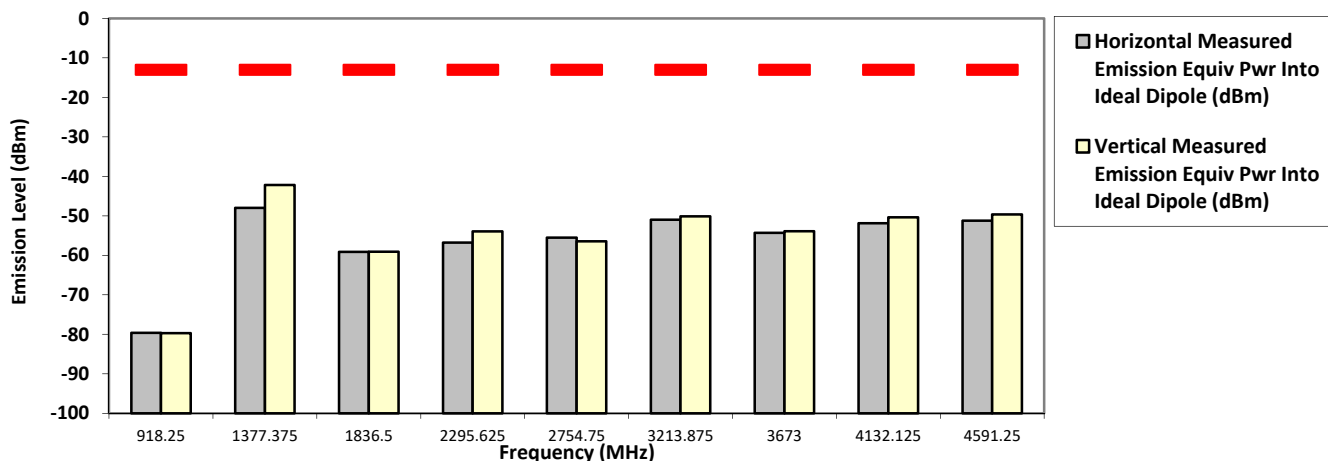
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

459.125000 MHz                      25 kHz                      120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
918.2500	-13.0000	-79.6152 **	-79.6952 **
1377.3750	-13.0000	-48.0000 *	-42.2100 *
1836.5000	-13.0000	-59.1451 **	-59.0729 **
2295.6250	-13.0000	-56.7694 **	-53.9457 **
2754.7500	-13.0000	-55.5293 **	-56.4568 **
3213.8750	-13.0000	-50.9786 **	-50.1453 **
3673.0000	-13.0000	-54.2978 **	-53.8859 **
4132.1250	-13.0000	-51.8559 **	-50.3932 **
4591.2500	-13.0000	-51.2169 **	-49.6444 **

**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&Fendi

Sun, 29 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

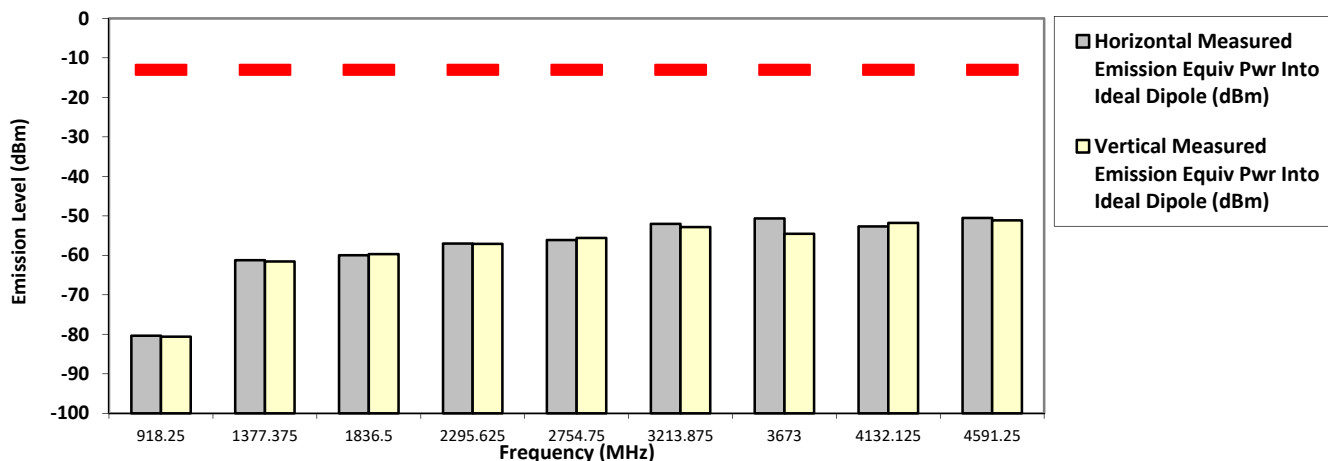
459.125000 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
918.2500	-13.0000	-80.3605 **	-80.5803 **
1377.3750	-13.0000	-61.2158 **	-61.5657 **
1836.5000	-13.0000	-59.9867 **	-59.7135 **
2295.6250	-13.0000	-57.0222 **	-57.1213 **
2754.7500	-13.0000	-56.1260 **	-55.6020 **
3213.8750	-13.0000	-52.0475 **	-52.8389 **
3673.0000	-13.0000	-50.6421 **	-54.5523 **
4132.1250	-13.0000	-52.7025 **	-51.7792 **
4591.2500	-13.0000	-50.5345 **	-51.1409 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.  
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Wed, 25 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01

SR:08878-EMC-00042

Test Mode: TX Analog

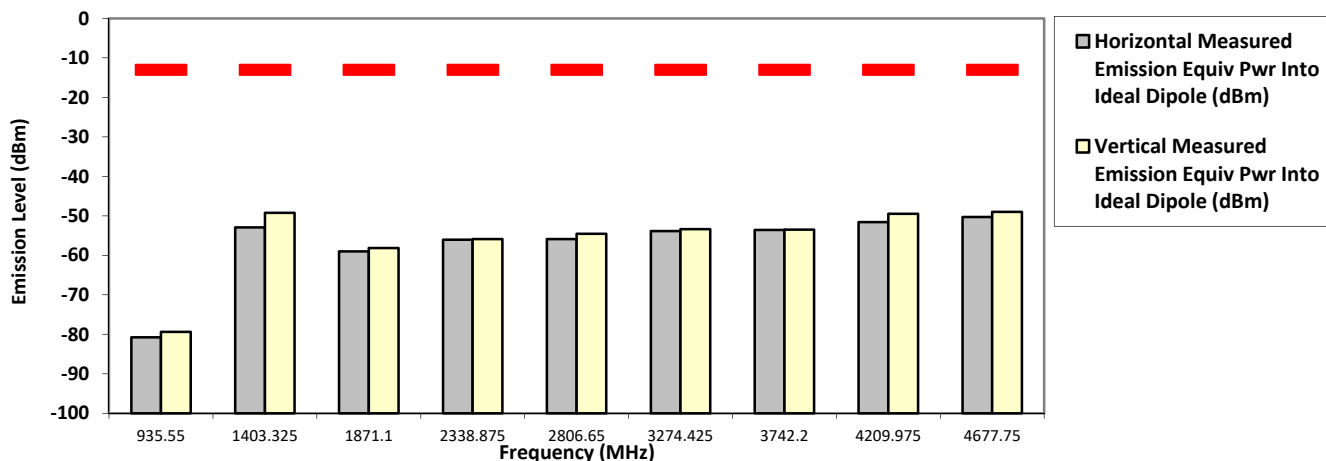
467.775000 MHz

25 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
935.5500	-13.0000	-80.7525 **	-79.3948 **
1403.3250	-13.0000	-52.9400 *	-49.2600 *
1871.1000	-13.0000	-59.0059 **	-58.1422 **
2338.8750	-13.0000	-56.0657 **	-55.8852 **
2806.6500	-13.0000	-55.9011 **	-54.5686 **
3274.4250	-13.0000	-53.8631 **	-53.3751 **
3742.2000	-13.0000	-53.5954 **	-53.5081 **
4209.9750	-13.0000	-51.5889 **	-49.4823 **
4677.7500	-13.0000	-50.3046 **	-48.9843 **

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&Fendi

Sun, 29 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

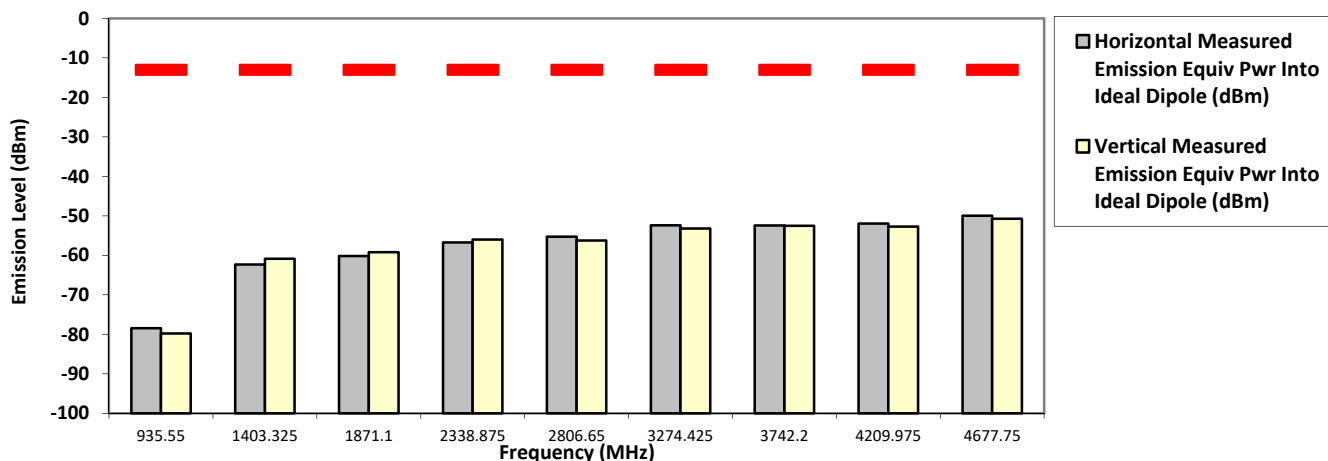
467.775000 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
935.5500	-13.0000	-78.4572 **	-79.7991 **
1403.3250	-13.0000	-62.3287 **	-60.8537 **
1871.1000	-13.0000	-60.1831 **	-59.1951 **
2338.8750	-13.0000	-56.7352 **	-56.0107 **
2806.6500	-13.0000	-55.2895 **	-56.2478 **
3274.4250	-13.0000	-52.4008 **	-53.1975 **
3742.2000	-13.0000	-52.4450 **	-52.5027 **
4209.9750	-13.0000	-51.9720 **	-52.7358 **
4677.7500	-13.0000	-49.9551 **	-50.7322 **

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&Fendi

Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01

SR:08878-EMC-00042

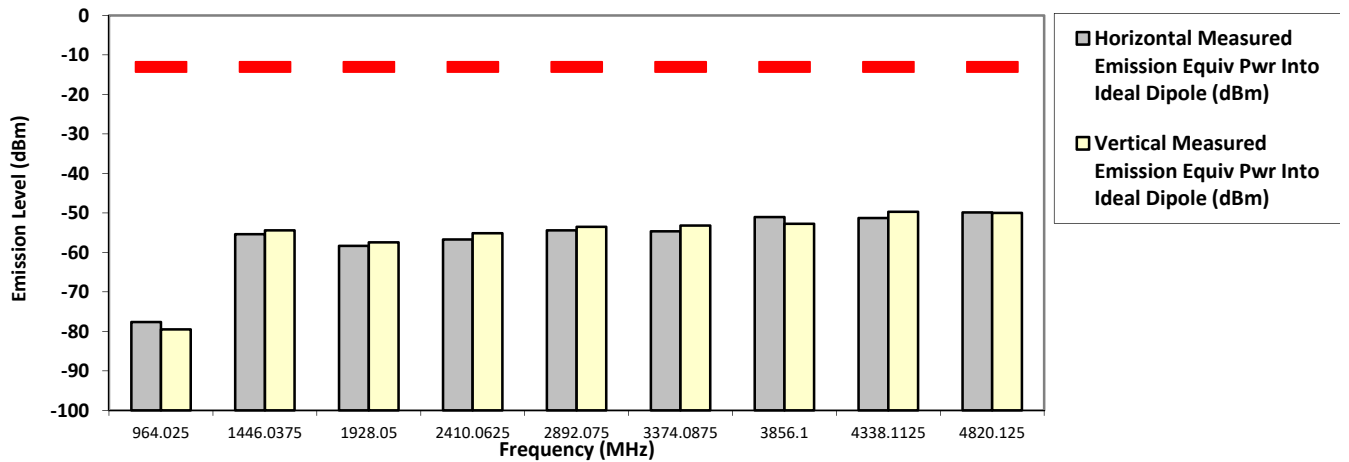
482.012500 MHz

25 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
964.0250	-13.0000	-77.6381 **	-79.4945 **
1446.0375	-13.0000	-55.4000 *	-54.4400 *
1928.0500	-13.0000	-58.3503 **	-57.4806 **
2410.0625	-13.0000	-56.7354 **	-55.1652 **
2892.0750	-13.0000	-54.4316 **	-53.5362 **
3374.0875	-13.0000	-54.6725 **	-53.1931 **
3856.1000	-13.0000	-51.0694 **	-52.7696 **
4338.1125	-13.0000	-51.3084 **	-49.7093 **
4820.1250	-13.0000	-49.8802 **	-50.0129 **

**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&Fendi Sun, 29 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01

SR:08878-EMC-00042

Test Mode: TX Analog

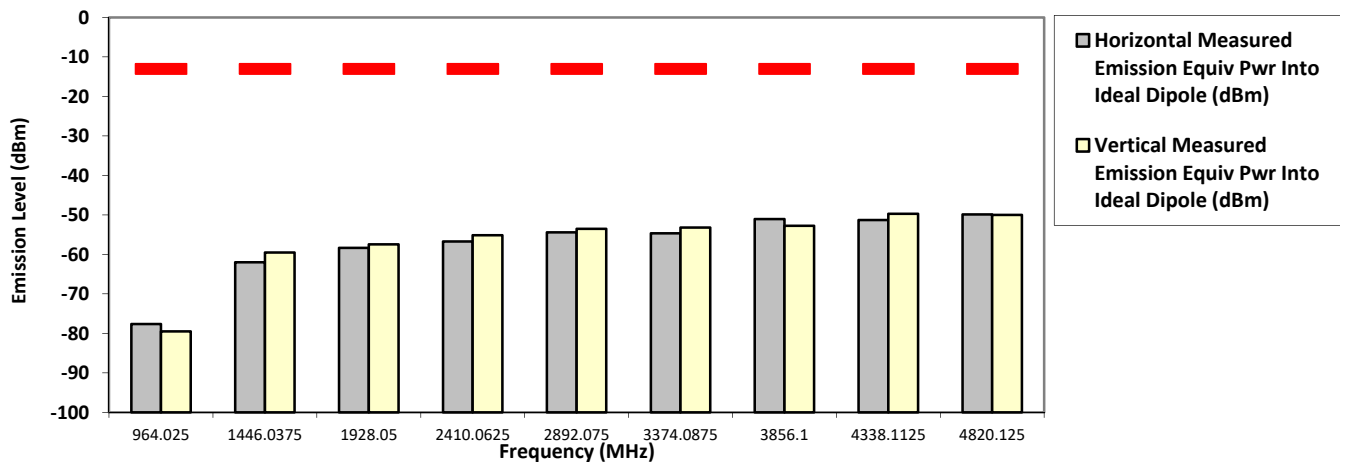
482.012500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
964.0250	-13.0000	-77.6381 **	-79.4945 **
1446.0375	-13.0000	-61.9905 **	-59.5130 **
1928.0500	-13.0000	-58.3503 **	-57.4806 **
2410.0625	-13.0000	-56.7354 **	-55.1652 **
2892.0750	-13.0000	-54.4316 **	-53.5362 **
3374.0875	-13.0000	-54.6725 **	-53.1931 **
3856.1000	-13.0000	-51.0694 **	-52.7696 **
4338.1125	-13.0000	-51.3084 **	-49.7093 **
4820.1250	-13.0000	-49.8802 **	-50.0129 **

**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&Fendi  
 Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

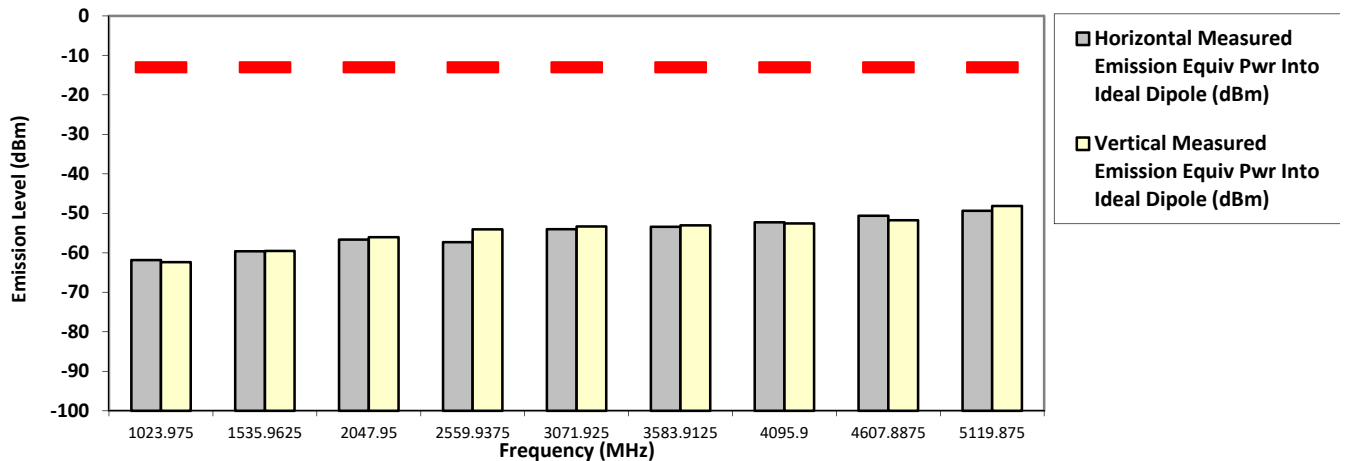
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

511.987500 MHz                      25 kHz                      120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1023.9750	-13.0000	-61.8313 **	-62.3784 **
1535.9625	-13.0000	-59.6051 **	-59.5517 **
2047.9500	-13.0000	-56.6598 **	-56.0440 **
2559.9375	-13.0000	-57.3227 **	-54.0722 **
3071.9250	-13.0000	-54.0388 **	-53.3346 **
3583.9125	-13.0000	-53.3974 **	-53.0630 **
4095.9000	-13.0000	-52.2667 **	-52.5585 **
4607.8875	-13.0000	-50.6283 **	-51.7460 **
5119.8750	-13.0000	-49.3684 **	-48.1459 **

**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&Fendi                      Tue, 1 Dec, 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
----------------	------------------	----------------



Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

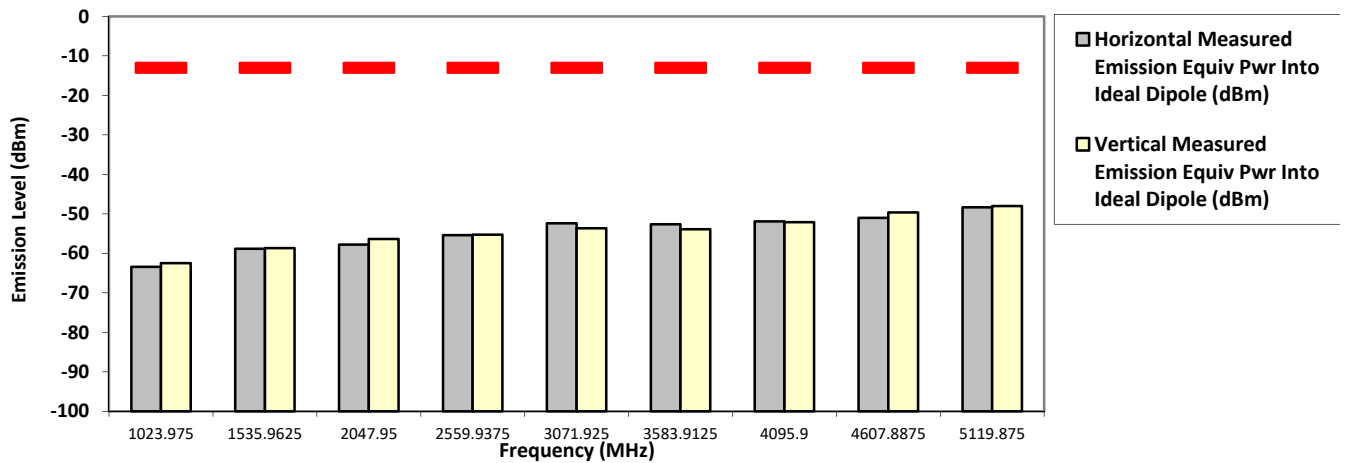
511.987500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1023.9750	-13.0000	-63.4225 **	-62.4711 **
1535.9625	-13.0000	-58.8614 **	-58.6704 **
2047.9500	-13.0000	-57.7806 **	-56.3688 **
2559.9375	-13.0000	-55.4134 **	-55.2682 **
3071.9250	-13.0000	-52.4095 **	-53.6498 **
3583.9125	-13.0000	-52.6476 **	-53.9004 **
4095.9000	-13.0000	-51.9059 **	-52.1131 **
4607.8875	-13.0000	-51.0123 **	-49.6627 **
5119.8750	-13.0000	-48.3325 **	-48.0276 **

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&Fendi

Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

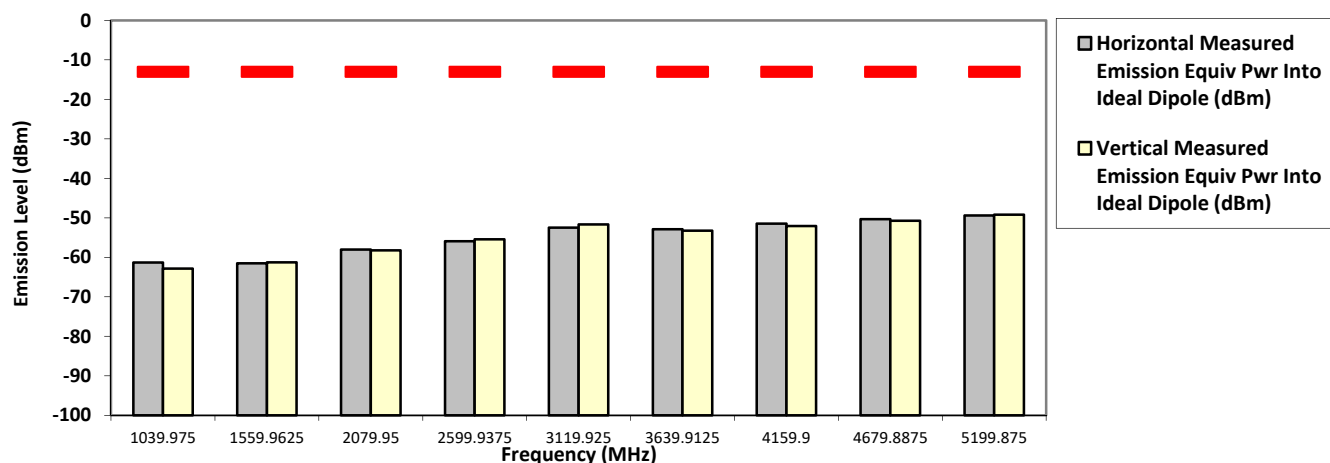
519.987500 MHz

25 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1039.9750	-13.0000	-61.3085 **	-62.8699 **
1559.9625	-13.0000	-61.5180 **	-61.2746 **
2079.9500	-13.0000	-58.0270 **	-58.2361 **
2599.9375	-13.0000	-55.9392 **	-55.4352 **
3119.9250	-13.0000	-52.4843 **	-51.6806 **
3639.9125	-13.0000	-52.8919 **	-53.2354 **
4159.9000	-13.0000	-51.4705 **	-52.0577 **
4679.8875	-13.0000	-50.3319 **	-50.7353 **
5199.8750	-13.0000	-49.4022 **	-49.2015 **

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&Fendi

Tue, 1 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX Analog

SR:08878-EMC-00042

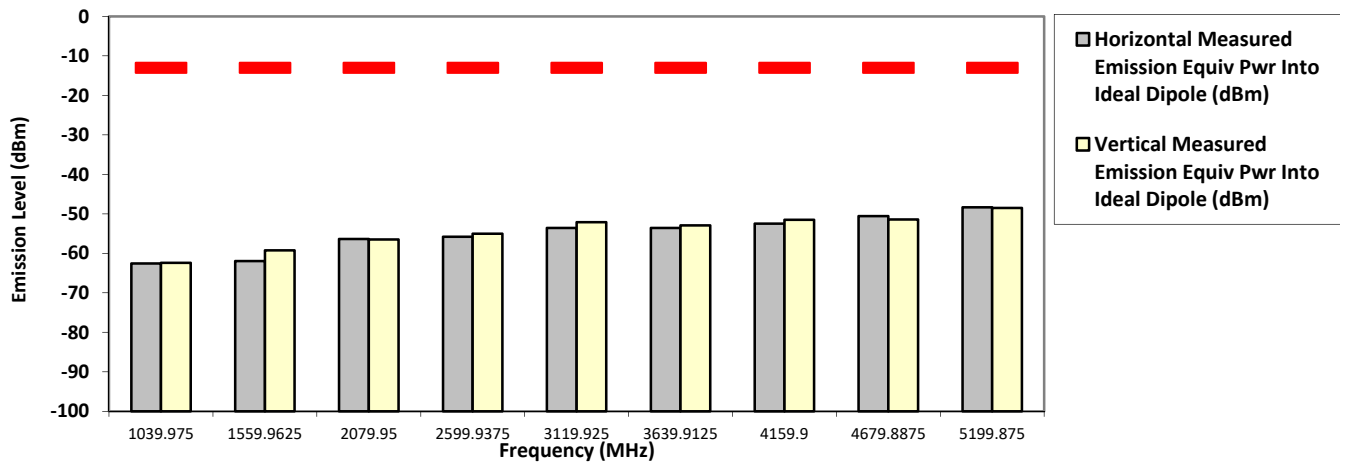
519.987500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1039.9750	-13.0000	-62.5563 **	-62.4128 **
1559.9625	-13.0000	-61.9726 **	-59.2608 **
2079.9500	-13.0000	-56.3566 **	-56.5094 **
2599.9375	-13.0000	-55.7854 **	-55.0321 **
3119.9250	-13.0000	-53.5683 **	-52.1033 **
3639.9125	-13.0000	-53.5734 **	-52.9330 **
4159.9000	-13.0000	-52.4945 **	-51.5073 **
4679.8875	-13.0000	-50.5843 **	-51.4407 **
5199.8750	-13.0000	-48.3574 **	-48.4950 **

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&Fendi

Tue, 1 Dec, 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)

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

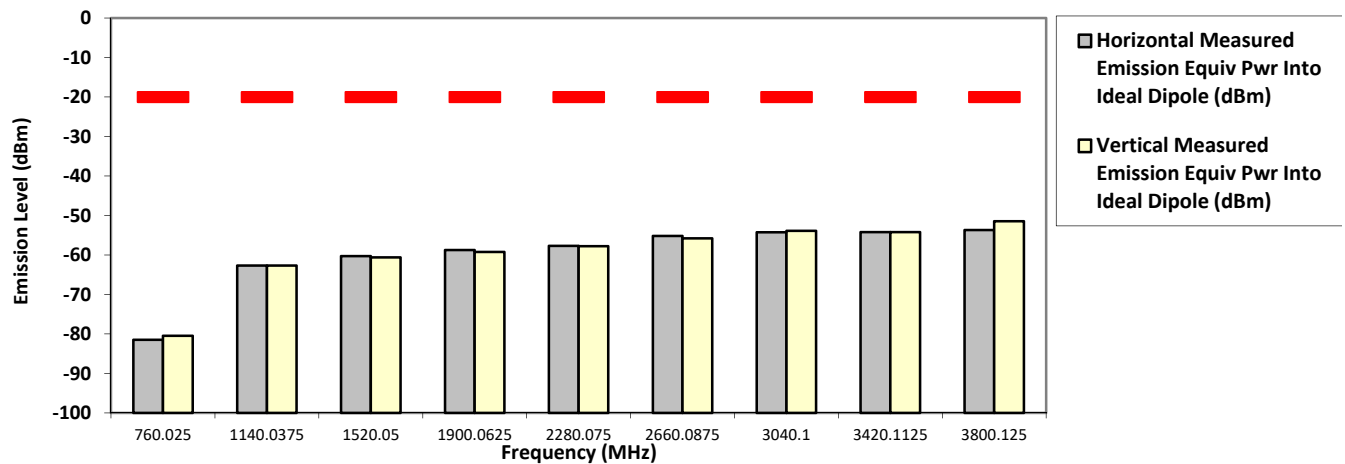
380.012500 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
760.0250	-20.0000	-81.5032 **	-80.4783 **
1140.0375	-20.0000	-62.7104 **	-62.7033 **
1520.0500	-20.0000	-60.3131 **	-60.6456 **
1900.0625	-20.0000	-58.7649 **	-59.2457 **
2280.0750	-20.0000	-57.6926 **	-57.8023 **
2660.0875	-20.0000	-55.2003 **	-55.7926 **
3040.1000	-20.0000	-54.2773 **	-53.9015 **
3420.1125	-20.0000	-54.2261 **	-54.2377 **
3800.1250	-20.0000	-53.7160 **	-51.4528 **

#### 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 Thu, 26 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

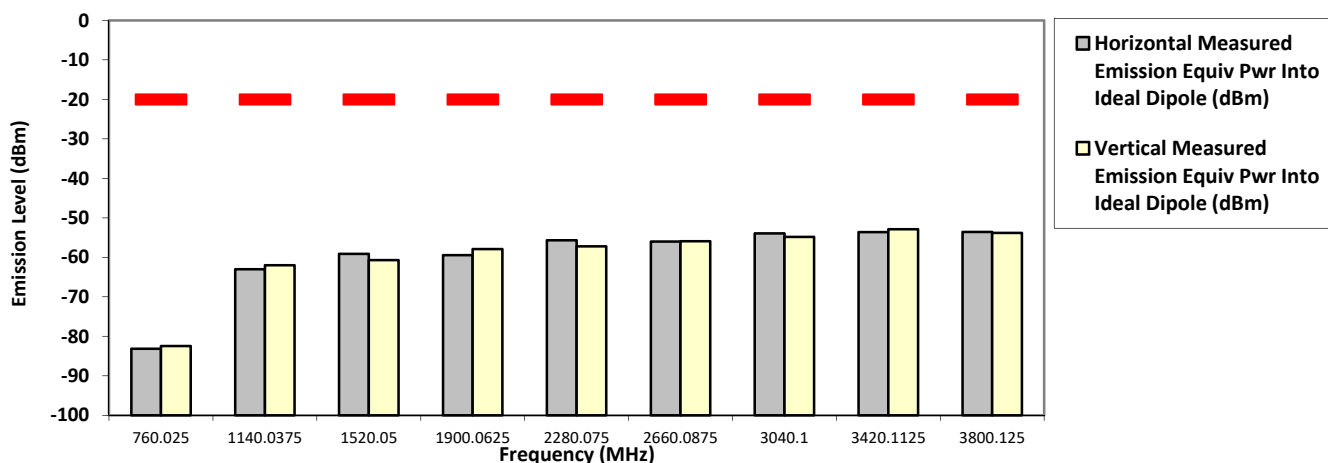
380.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
760.0250	-20.0000	-83.1373 **	-82.4650 **
1140.0375	-20.0000	-63.0071 **	-61.9850 **
1520.0500	-20.0000	-59.1461 **	-60.7174 **
1900.0625	-20.0000	-59.4602 **	-57.9311 **
2280.0750	-20.0000	-55.6957 **	-57.2299 **
2660.0875	-20.0000	-55.9974 **	-55.9284 **
3040.1000	-20.0000	-53.9581 **	-54.8198 **
3420.1125	-20.0000	-53.6280 **	-52.8686 **
3800.1250	-20.0000	-53.5671 **	-53.8026 **

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

Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

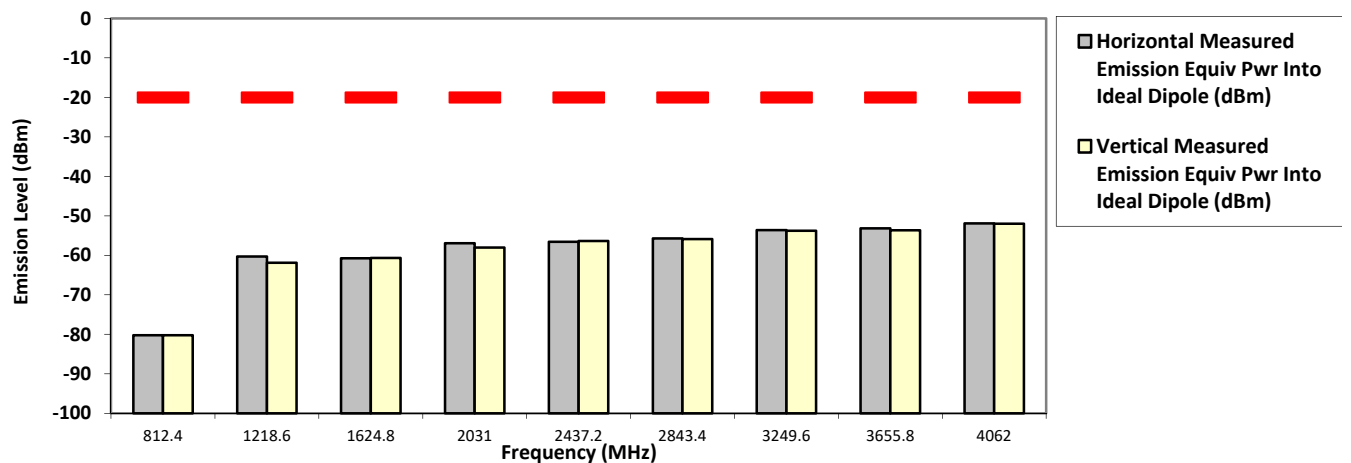
406.200000 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
812.4000	-20.0000	-80.2458 **	-80.2543 **
1218.6000	-20.0000	-60.2902 **	-61.8639 **
1624.8000	-20.0000	-60.7301 **	-60.6689 **
2031.0000	-20.0000	-56.9324 **	-58.0460 **
2437.2000	-20.0000	-56.5702 **	-56.3531 **
2843.4000	-20.0000	-55.7169 **	-55.8840 **
3249.6000	-20.0000	-53.6095 **	-53.7735 **
3655.8000	-20.0000	-53.1731 **	-53.6542 **
4062.0000	-20.0000	-51.9220 **	-51.9875 **

**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 Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

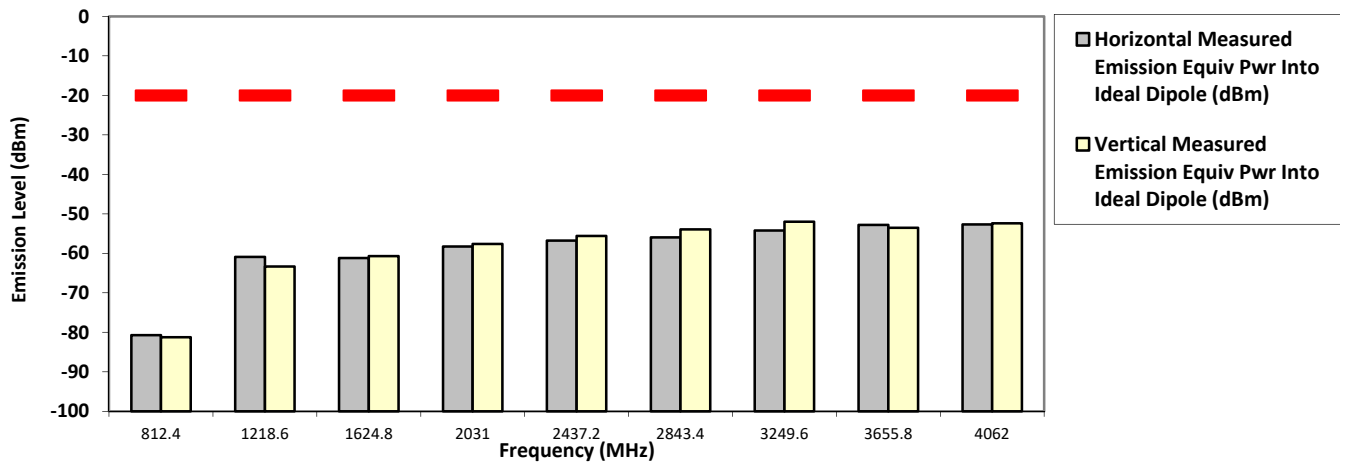
406.200000 MHz

12.5 kHz

1.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
812.4000	-20.0000	-80.7364 **	-81.2294 **
1218.6000	-20.0000	-60.9234 **	-63.3600 **
1624.8000	-20.0000	-61.2120 **	-60.7224 **
2031.0000	-20.0000	-58.2784 **	-57.6138 **
2437.2000	-20.0000	-56.7905 **	-55.5976 **
2843.4000	-20.0000	-55.9616 **	-53.9534 **
3249.6000	-20.0000	-54.2206 **	-52.0006 **
3655.8000	-20.0000	-52.8004 **	-53.5223 **
4062.0000	-20.0000	-52.6817 **	-52.3974 **

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

Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

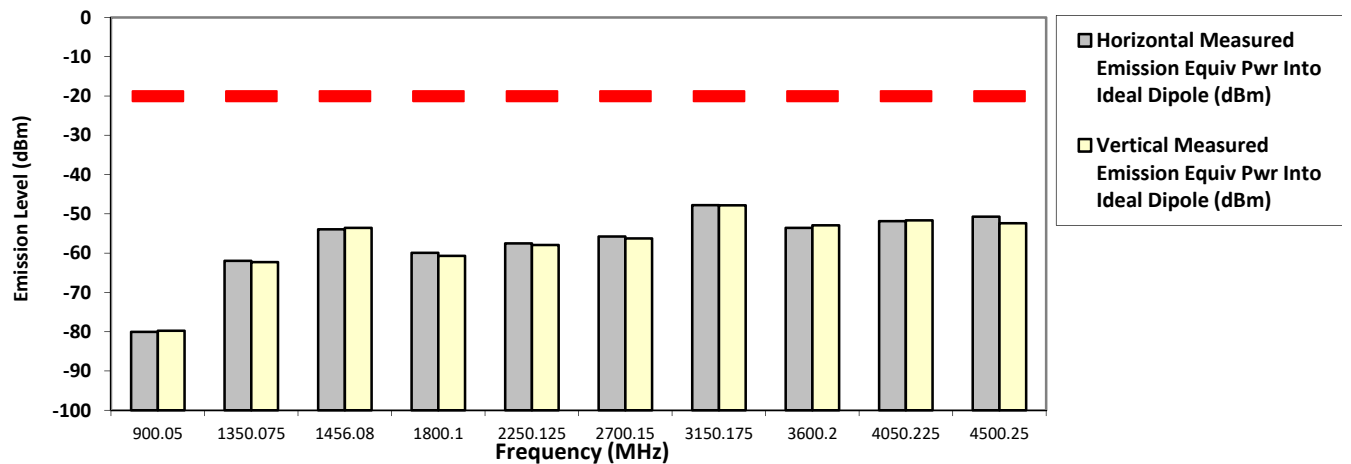
450.025000 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-80.0403 **	-79.7624 **
1350.0750	-20.0000	-61.9504 **	-62.2903 **
1456.0800	-20.0000	-53.9600 *	-53.5900 *
1800.1000	-20.0000	-59.9277 **	-60.6908 **
2250.1250	-20.0000	-57.5432 **	-57.9170 **
2700.1500	-20.0000	-55.7912 **	-56.2771 **
3150.1750	-20.0000	-47.7900 *	-47.8300 *
3600.2000	-20.0000	-53.5776 **	-52.9207 **
4050.2250	-20.0000	-51.8726 **	-51.6658 **
4500.2500	-20.0000	-50.7226 **	-52.3887 **

**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&Fendi Sun, 29 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
----------------	------------------	----------------



Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

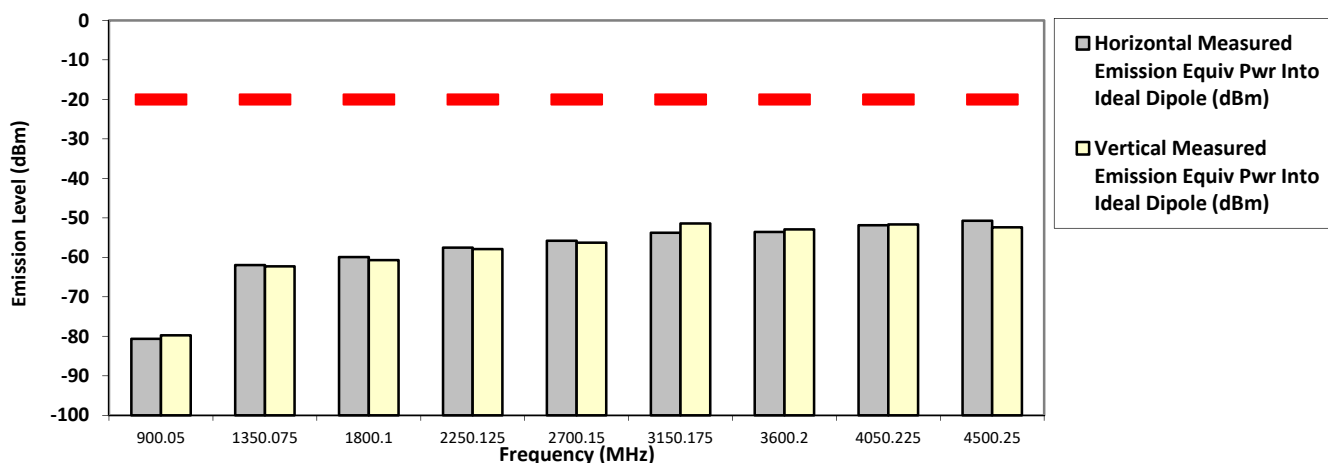
450.025000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-80.6488 **	-79.7624 **
1350.0750	-20.0000	-61.9504 **	-62.2903 **
1800.1000	-20.0000	-59.9277 **	-60.6908 **
2250.1250	-20.0000	-57.5432 **	-57.9170 **
2700.1500	-20.0000	-55.7912 **	-56.2771 **
3150.1750	-20.0000	-53.7774 **	-51.4266 **
3600.2000	-20.0000	-53.5776 **	-52.9207 **
4050.2250	-20.0000	-51.8726 **	-51.6658 **
4500.2500	-20.0000	-50.7226 **	-52.3887 **

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

Thu, 26 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

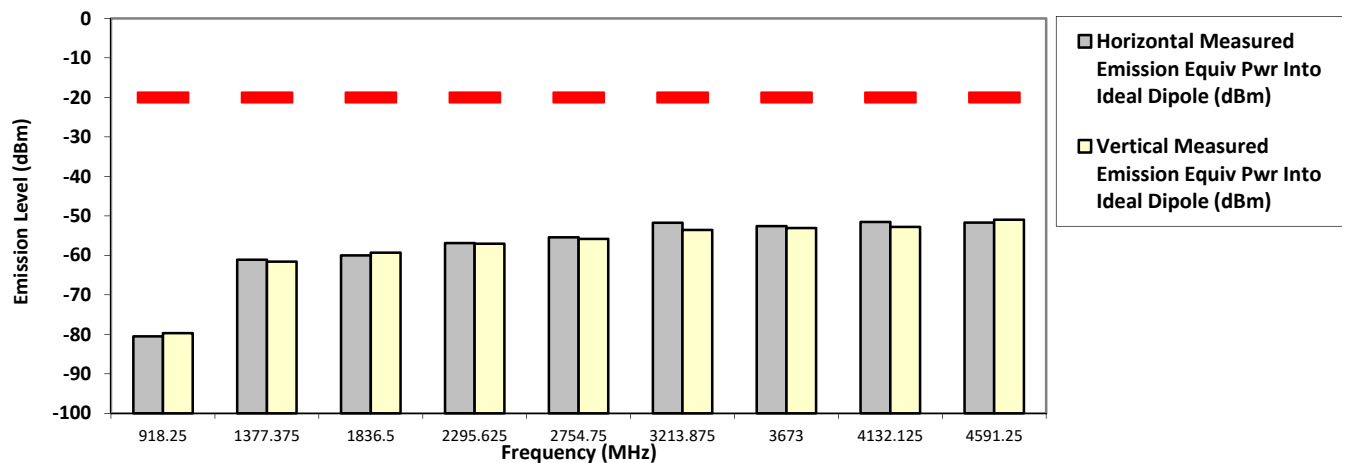
459.125000 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-80.5164 **	-79.6962 **
1377.3750	-20.0000	-61.1152 **	-61.5902 **
1836.5000	-20.0000	-60.0324 **	-59.3491 **
2295.6250	-20.0000	-56.8963 **	-57.0642 **
2754.7500	-20.0000	-55.4313 **	-55.8617 **
3213.8750	-20.0000	-51.7425 **	-53.5570 **
3673.0000	-20.0000	-52.5842 **	-53.0908 **
4132.1250	-20.0000	-51.5439 **	-52.8182 **
4591.2500	-20.0000	-51.7195 **	-50.9777 **

RADIATED SPURIOUS EMISSIONS



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

Nazrin&Qawiman

Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

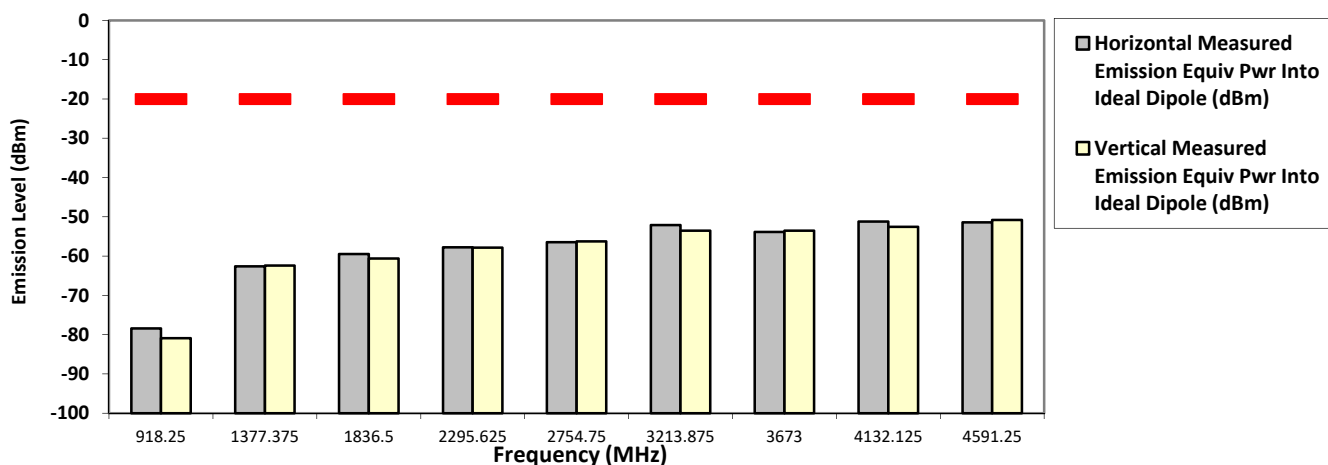
459.125000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
918.2500	-20.0000	-78.4358 **	-80.8886 **
1377.3750	-20.0000	-62.6368 **	-62.4009 **
1836.5000	-20.0000	-59.4679 **	-60.6328 **
2295.6250	-20.0000	-57.7589 **	-57.8680 **
2754.7500	-20.0000	-56.4751 **	-56.2449 **
3213.8750	-20.0000	-52.0904 **	-53.5517 **
3673.0000	-20.0000	-53.8493 **	-53.5178 **
4132.1250	-20.0000	-51.2090 **	-52.5661 **
4591.2500	-20.0000	-51.4070 **	-50.8208 **

RADIATED SPURIOUS EMISSIONS



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

Nazrin&Qawiman

Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

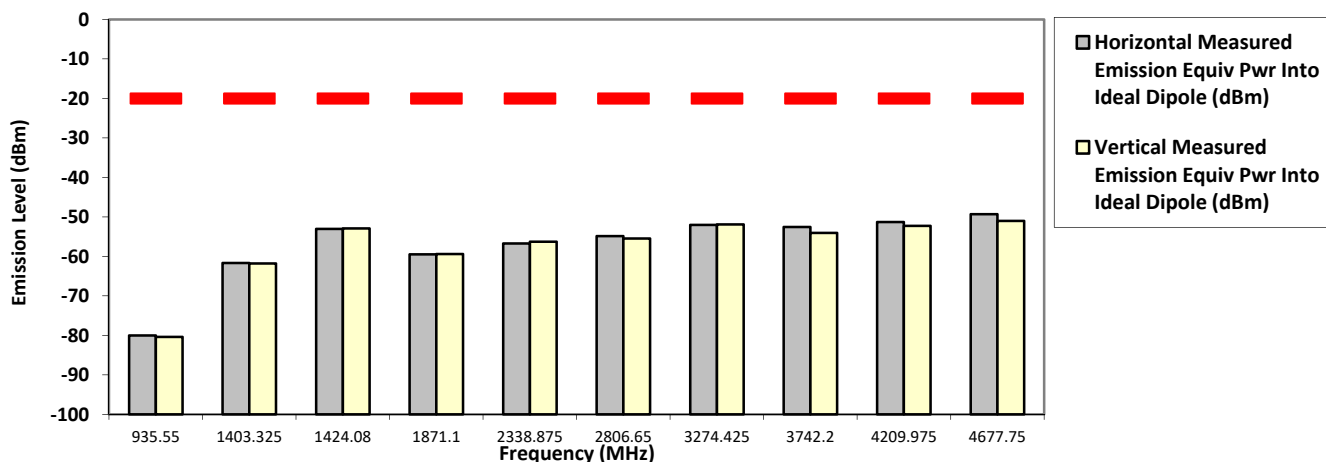
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

467.775000 MHz                      12.5 kHz                      120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-80.0406 **	-80.3915 **
1403.3250	-20.0000	-61.6612 **	-61.8081 **
1424.0800	-20.0000	-53.0600 *	-52.9300 *
1871.1000	-20.0000	-59.4845 **	-59.3938 **
2338.8750	-20.0000	-56.7305 **	-56.2824 **
2806.6500	-20.0000	-54.8907 **	-55.4892 **
3274.4250	-20.0000	-52.0539 **	-51.9087 **
3742.2000	-20.0000	-52.5545 **	-54.0617 **
4209.9750	-20.0000	-51.3257 **	-52.2856 **
4677.7500	-20.0000	-49.3366 **	-51.0289 **

**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&Fendi                      Sun, 29 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

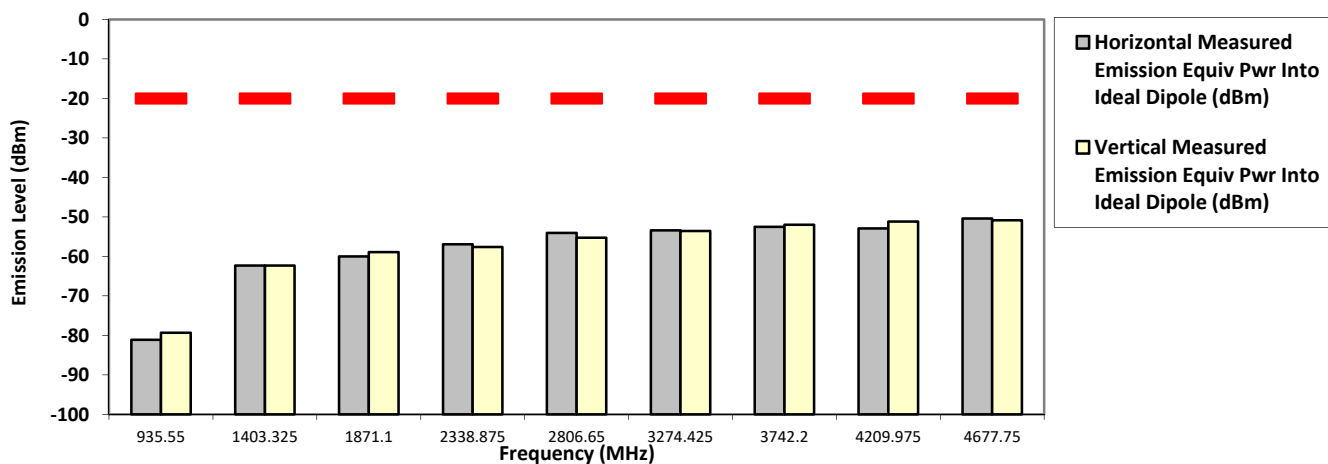
467.775000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-81.1279 **	-79.3575 **
1403.3250	-20.0000	-62.3364 **	-62.3226 **
1871.1000	-20.0000	-60.0327 **	-58.9336 **
2338.8750	-20.0000	-56.9242 **	-57.6244 **
2806.6500	-20.0000	-54.0695 **	-55.2796 **
3274.4250	-20.0000	-53.3971 **	-53.5764 **
3742.2000	-20.0000	-52.5155 **	-51.9810 **
4209.9750	-20.0000	-52.9426 **	-51.2049 **
4677.7500	-20.0000	-50.4220 **	-50.8601 **

**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 Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

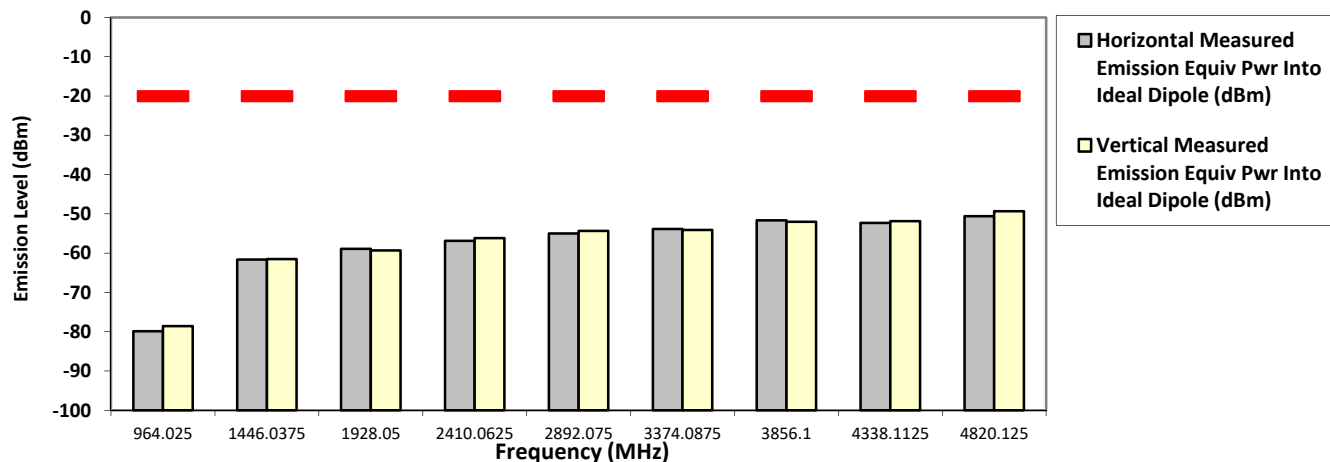
482.012500 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-79.9031 **	-78.6033 **
1446.0375	-20.0000	-61.6204 **	-61.5142 **
1928.0500	-20.0000	-58.9288 **	-59.3158 **
2410.0625	-20.0000	-56.8737 **	-56.1941 **
2892.0750	-20.0000	-54.9994 **	-54.3679 **
3374.0875	-20.0000	-53.8611 **	-54.1202 **
3856.1000	-20.0000	-51.6653 **	-52.0249 **
4338.1125	-20.0000	-52.3316 **	-51.8787 **
4820.1250	-20.0000	-50.6041 **	-49.3561 **

**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 Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

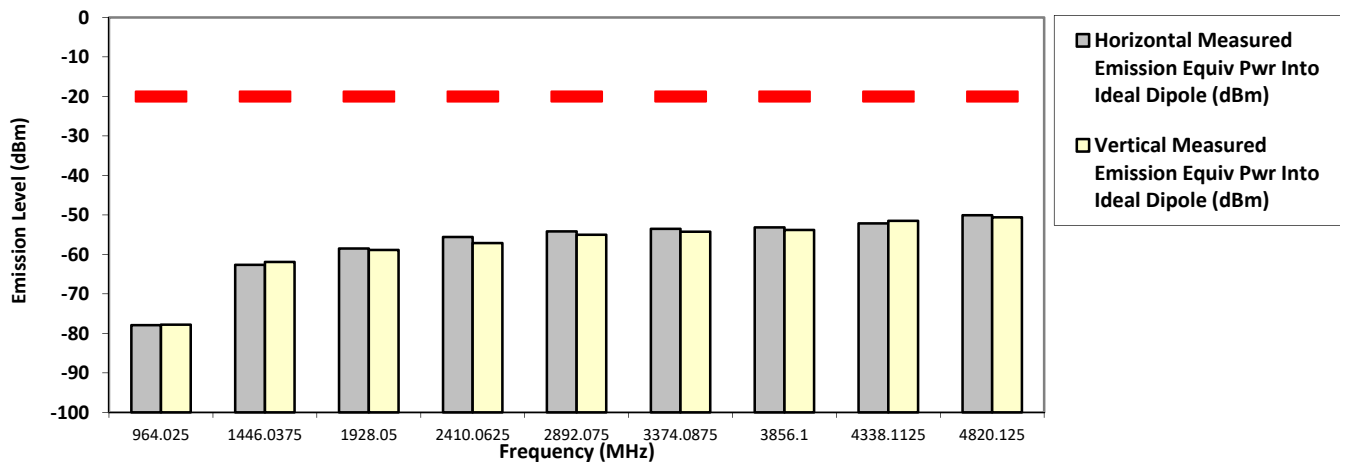
482.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-77.9151 **	-77.8139 **
1446.0375	-20.0000	-62.6600 **	-61.9426 **
1928.0500	-20.0000	-58.5213 **	-58.8928 **
2410.0625	-20.0000	-55.6212 **	-57.1598 **
2892.0750	-20.0000	-54.1990 **	-55.0269 **
3374.0875	-20.0000	-53.5244 **	-54.2572 **
3856.1000	-20.0000	-53.1549 **	-53.8097 **
4338.1125	-20.0000	-52.1548 **	-51.5060 **
4820.1250	-20.0000	-50.0751 **	-50.6178 **

**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 Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

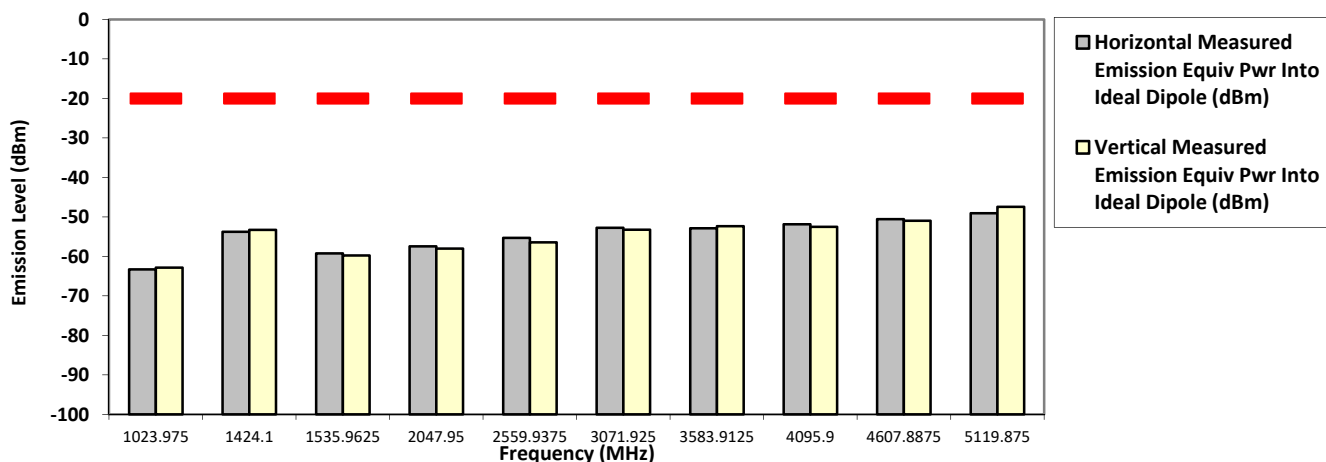
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

511.987500 MHz                      12.5 kHz                      30.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-63.2920 **	-62.8657 **
1424.1000	-20.0000	-53.7700 *	-53.3100 *
1535.9625	-20.0000	-59.2591 **	-59.7785 **
2047.9500	-20.0000	-57.4581 **	-58.0228 **
2559.9375	-20.0000	-55.3296 **	-56.4644 **
3071.9250	-20.0000	-52.7772 **	-53.2667 **
3583.9125	-20.0000	-52.8774 **	-52.3693 **
4095.9000	-20.0000	-51.8917 **	-52.5180 **
4607.8875	-20.0000	-50.5598 **	-50.9830 **
5119.8750	-20.0000	-49.0717 **	-47.4504 **

**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&Fendi                      Sun, 29 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
----------------	------------------	----------------



Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

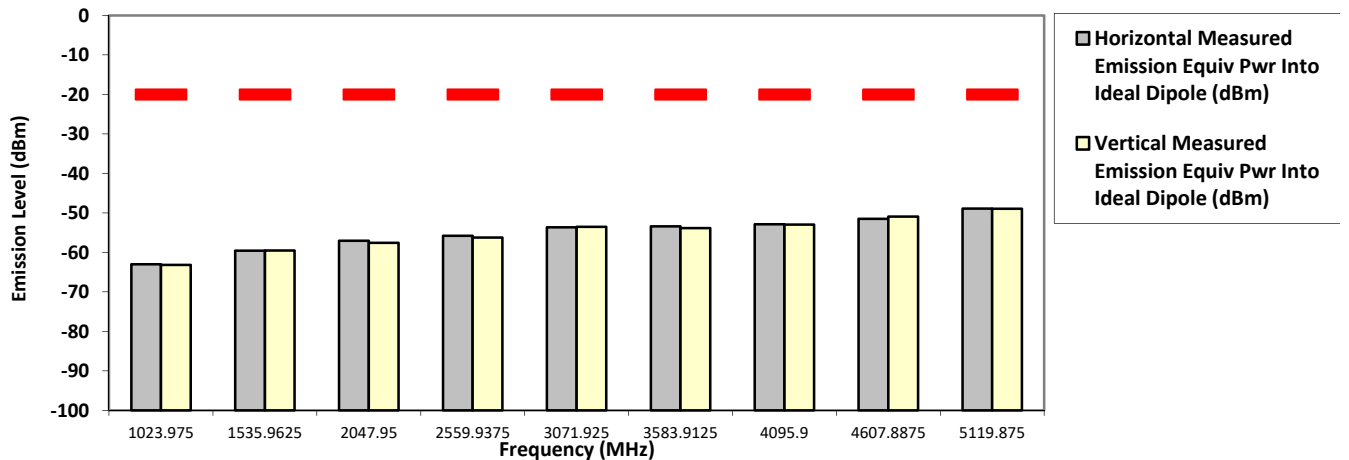
511.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-63.0289 **	-63.1615 **
1535.9625	-20.0000	-59.5727 **	-59.5196 **
2047.9500	-20.0000	-57.0632 **	-57.5946 **
2559.9375	-20.0000	-55.8176 **	-56.2326 **
3071.9250	-20.0000	-53.6448 **	-53.5462 **
3583.9125	-20.0000	-53.4076 **	-53.8667 **
4095.9000	-20.0000	-52.8673 **	-52.9716 **
4607.8875	-20.0000	-51.4953 **	-50.9550 **
5119.8750	-20.0000	-48.9108 **	-48.9705 **

**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 Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

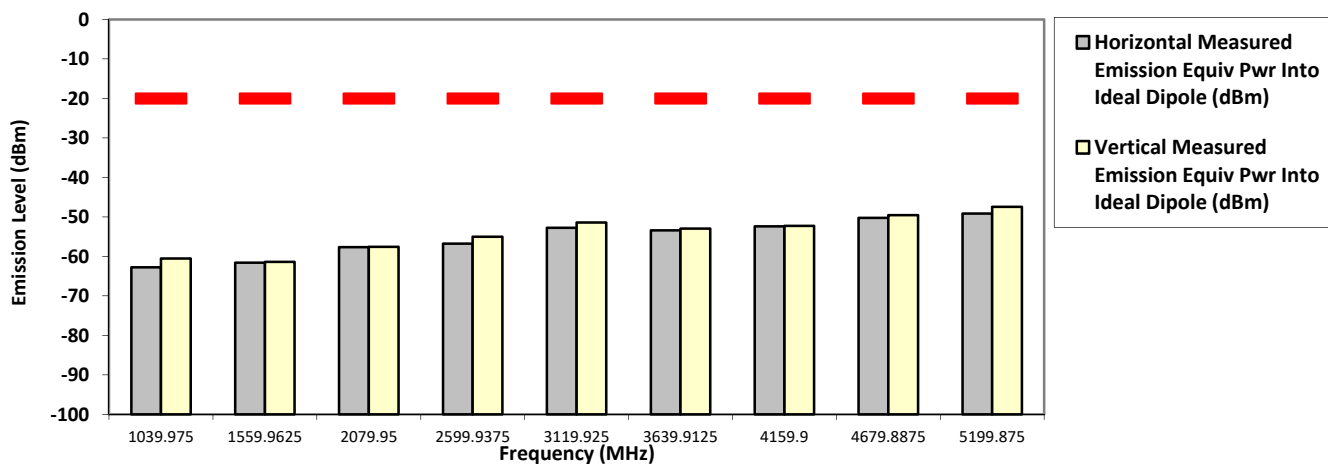
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

519.987500 MHz                      12.5 kHz                      30.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-62.7617 **	-60.5463 **
1559.9625	-20.0000	-61.5791 **	-61.4131 **
2079.9500	-20.0000	-57.6626 **	-57.6044 **
2599.9375	-20.0000	-56.7891 **	-55.0281 **
3119.9250	-20.0000	-52.7785 **	-51.4128 **
3639.9125	-20.0000	-53.4006 **	-52.9715 **
4159.9000	-20.0000	-52.4070 **	-52.2847 **
4679.8875	-20.0000	-50.2392 **	-49.5535 **
5199.8750	-20.0000	-49.1454 **	-47.4599 **

**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                      Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

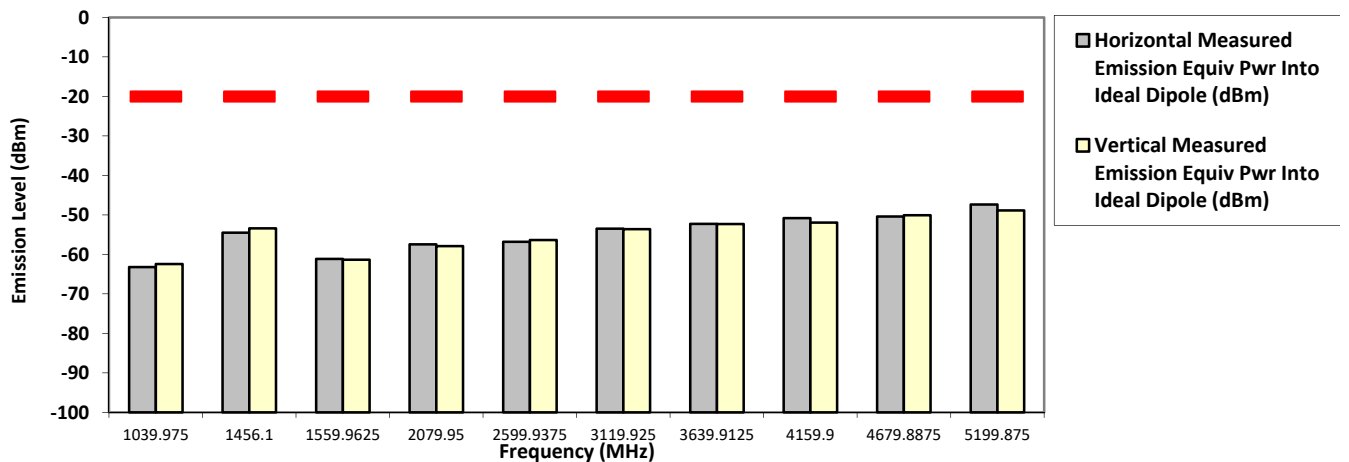
519.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-63.2155 **	-62.4369 **
1456.1000	-20.0000	-54.5100 *	-53.4100 *
1559.9625	-20.0000	-61.1498 **	-61.3535 **
2079.9500	-20.0000	-57.4596 **	-57.9173 **
2599.9375	-20.0000	-56.8063 **	-56.3747 **
3119.9250	-20.0000	-53.4938 **	-53.6156 **
3639.9125	-20.0000	-52.2640 **	-52.3093 **
4159.9000	-20.0000	-50.8113 **	-51.9740 **
4679.8875	-20.0000	-50.4343 **	-50.0997 **
5199.8750	-20.0000	-47.3736 **	-48.8668 **

**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&Fendi  
 Sun, 29 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

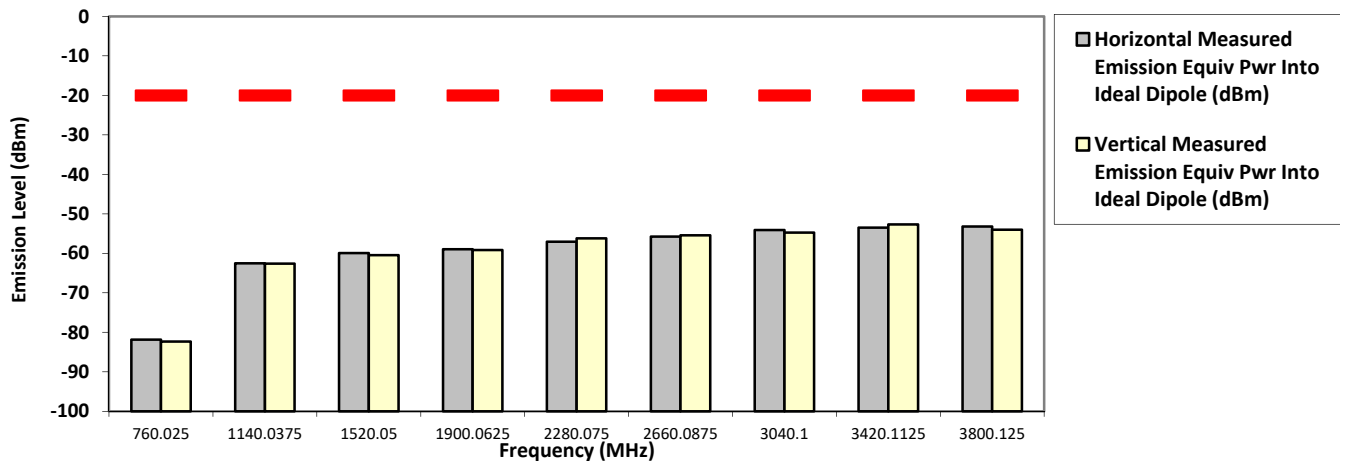
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

380.012500 MHz                      12.5 kHz                      120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
760.0250	-20.0000	-81.8662 **	-82.3506 **
1140.0375	-20.0000	-62.5163 **	-62.6220 **
1520.0500	-20.0000	-59.9236 **	-60.4667 **
1900.0625	-20.0000	-58.9838 **	-59.1727 **
2280.0750	-20.0000	-57.0564 **	-56.2278 **
2660.0875	-20.0000	-55.7606 **	-55.4391 **
3040.1000	-20.0000	-54.0978 **	-54.7482 **
3420.1125	-20.0000	-53.5121 **	-52.6723 **
3800.1250	-20.0000	-53.2159 **	-54.0053 **

**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

Thu, 26 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

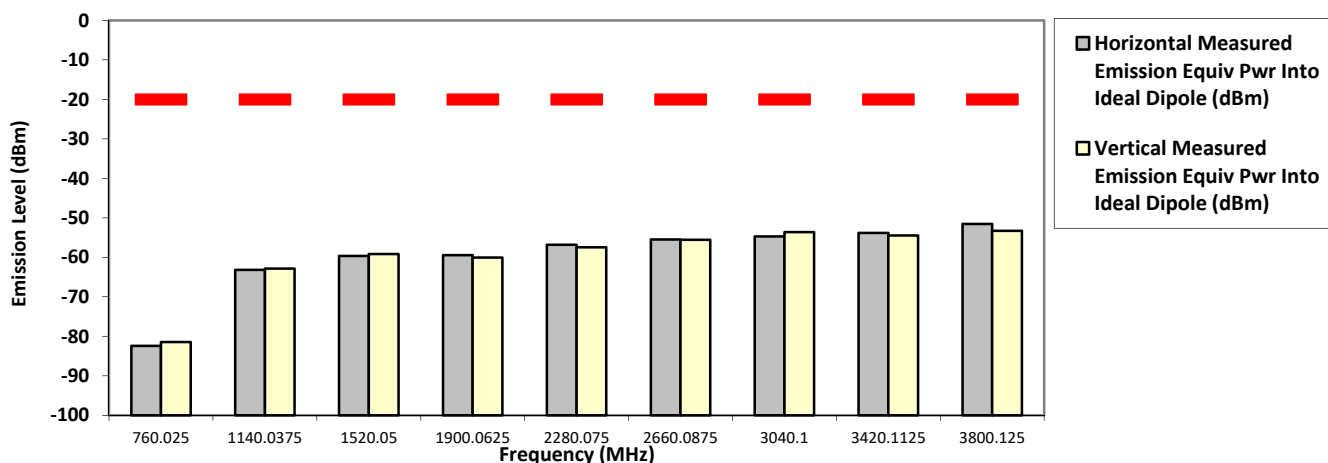
380.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
760.0250	-20.0000	-82.4382 **	-81.4456 **
1140.0375	-20.0000	-63.1842 **	-62.8486 **
1520.0500	-20.0000	-59.6533 **	-59.1557 **
1900.0625	-20.0000	-59.4607 **	-60.0564 **
2280.0750	-20.0000	-56.8285 **	-57.4477 **
2660.0875	-20.0000	-55.4760 **	-55.5665 **
3040.1000	-20.0000	-54.7208 **	-53.6089 **
3420.1125	-20.0000	-53.8187 **	-54.4841 **
3800.1250	-20.0000	-51.5405 **	-53.2728 **

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

Thu, 3 Dec, 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

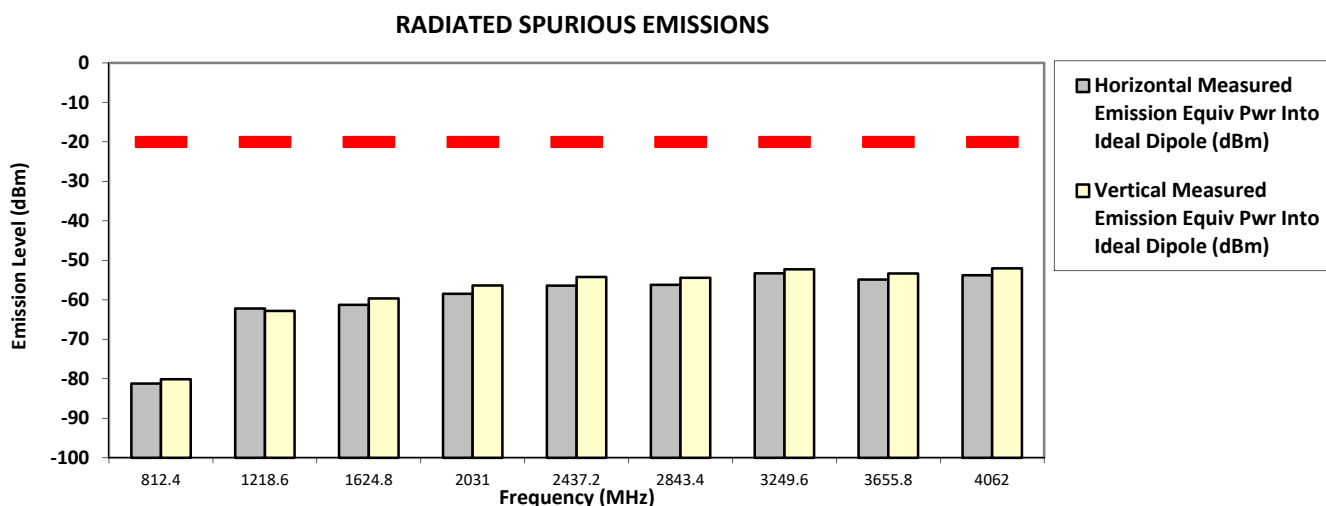
System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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**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**

406.200000 MHz		12.5 kHz		120.000 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	-81.1948 **	-80.1152 **		
1218.6000	-20.0000	-62.2119 **	-62.8047 **		
1624.8000	-20.0000	-61.2541 **	-59.6464 **		
2031.0000	-20.0000	-58.4979 **	-56.3794 **		
2437.2000	-20.0000	-56.4169 **	-54.2139 **		
2843.4000	-20.0000	-56.2129 **	-54.4396 **		
3249.6000	-20.0000	-53.3074 **	-52.2774 **		
3655.8000	-20.0000	-54.8863 **	-53.3342 **		
4062.0000	-20.0000	-53.7859 **	-52.0460 **		



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      Thu, 26 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

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

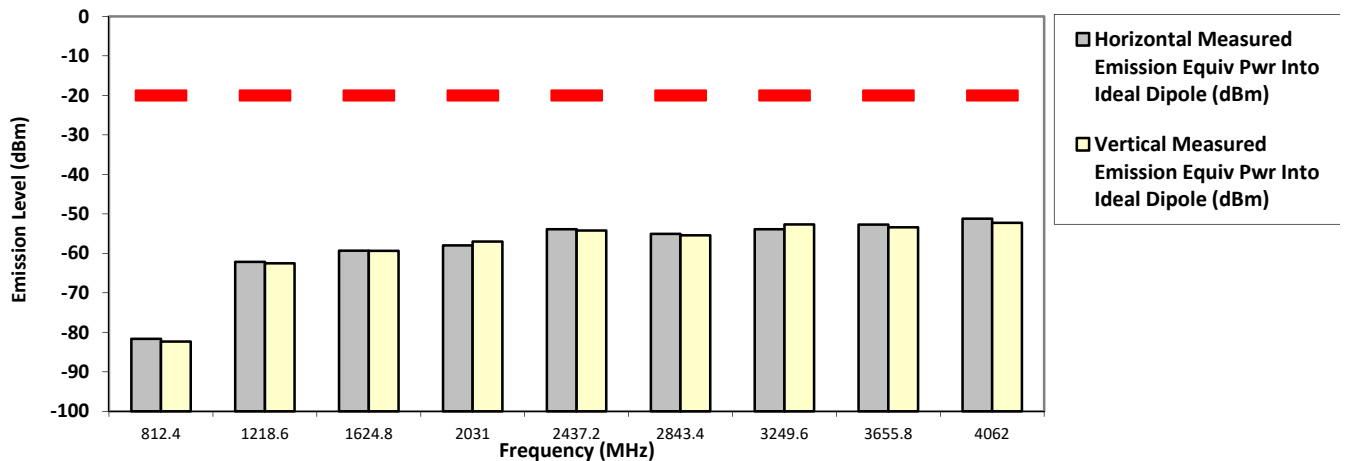
406.20000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
812.4000	-20.0000	-81.6646 **	-82.3530 **
1218.6000	-20.0000	-62.1581 **	-62.5247 **
1624.8000	-20.0000	-59.3146 **	-59.3498 **
2031.0000	-20.0000	-58.0027 **	-57.0185 **
2437.2000	-20.0000	-53.9191 **	-54.2142 **
2843.4000	-20.0000	-55.0671 **	-55.4351 **
3249.6000	-20.0000	-53.9000 **	-52.6766 **
3655.8000	-20.0000	-52.7340 **	-53.4084 **
4062.0000	-20.0000	-51.2189 **	-52.2994 **

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 Thu, 3 Dec, 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

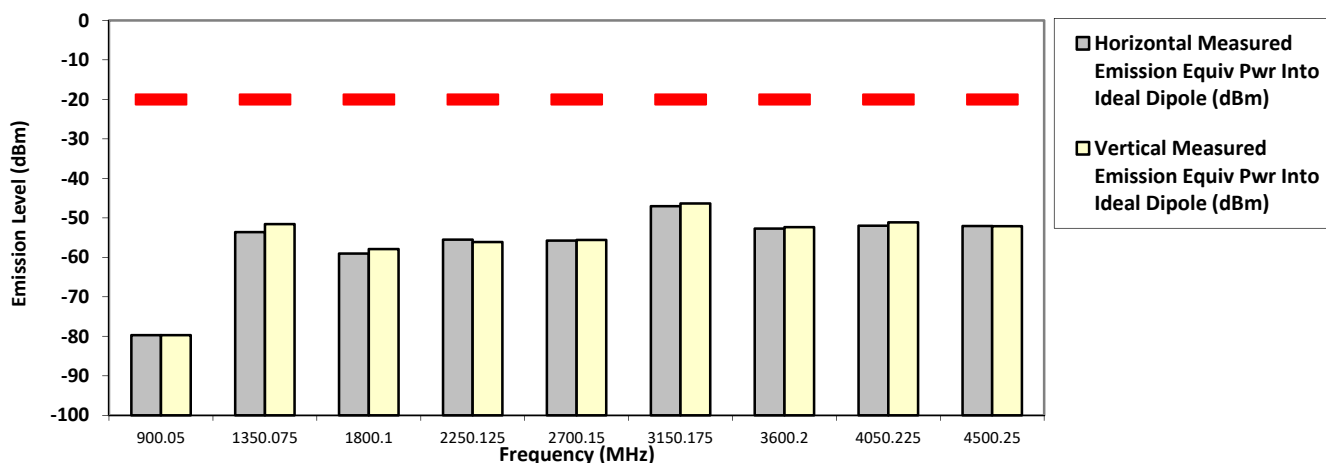
Remarks: Passed Results Marginal Results Failed Results

**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**

**450.025000 MHz**      **12.5 kHz**      **120.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
900.0500	-20.0000	-79.7180 **	-79.7199 **
1350.0750	-20.0000	-53.6300 *	-51.6000 *
1800.1000	-20.0000	-59.0361 **	-57.9117 **
2250.1250	-20.0000	-55.5249 **	-56.1355 **
2700.1500	-20.0000	-55.7751 **	-55.5957 **
3150.1750	-20.0000	-47.0600 *	-46.3600 *
3600.2000	-20.0000	-52.7342 **	-52.3755 **
4050.2250	-20.0000	-52.0103 **	-51.1617 **
4500.2500	-20.0000	-52.0689 **	-52.1071 **

**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&Fendi      Sun, 29 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

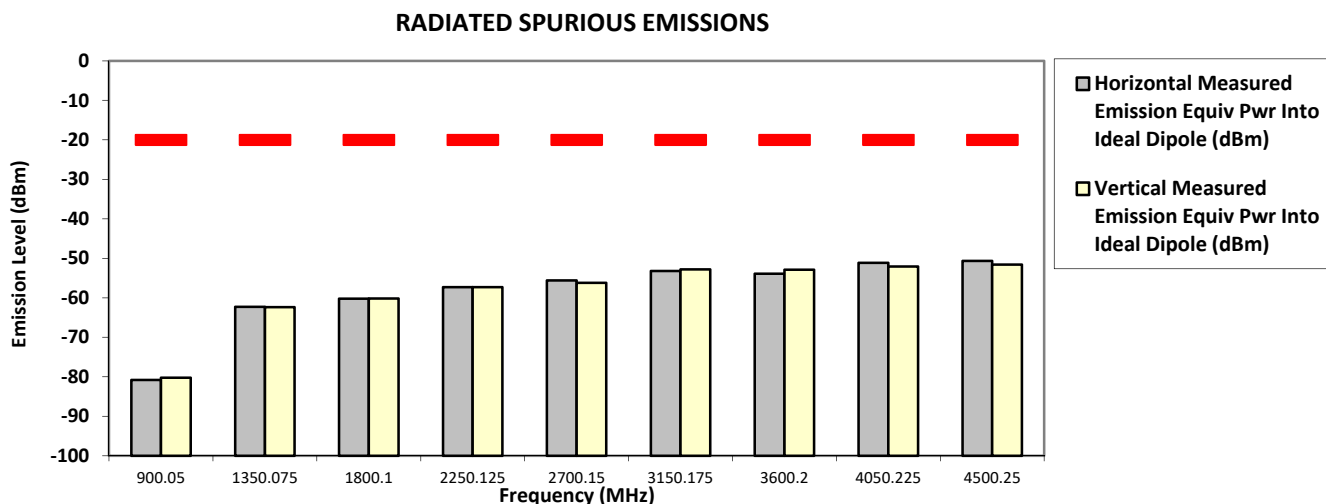
Remarks: 

Passed Results	Marginal Results	Failed Results
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**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**

450.025000 MHz		12.5 kHz		1.000 Watt(s) /Low Power	
Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)		
900.0500	-20.0000	-80.8092 **	-80.2408 **		
1350.0750	-20.0000	-62.2681 **	-62.3792 **		
1800.1000	-20.0000	-60.2121 **	-60.1887 **		
2250.1250	-20.0000	-57.3064 **	-57.3106 **		
2700.1500	-20.0000	-55.6065 **	-56.1952 **		
3150.1750	-20.0000	-53.2277 **	-52.8201 **		
3600.2000	-20.0000	-53.9205 **	-52.8715 **		
4050.2250	-20.0000	-51.1536 **	-52.0830 **		
4500.2500	-20.0000	-50.6581 **	-51.5799 **		



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      Thu, 3 Dec, 2020

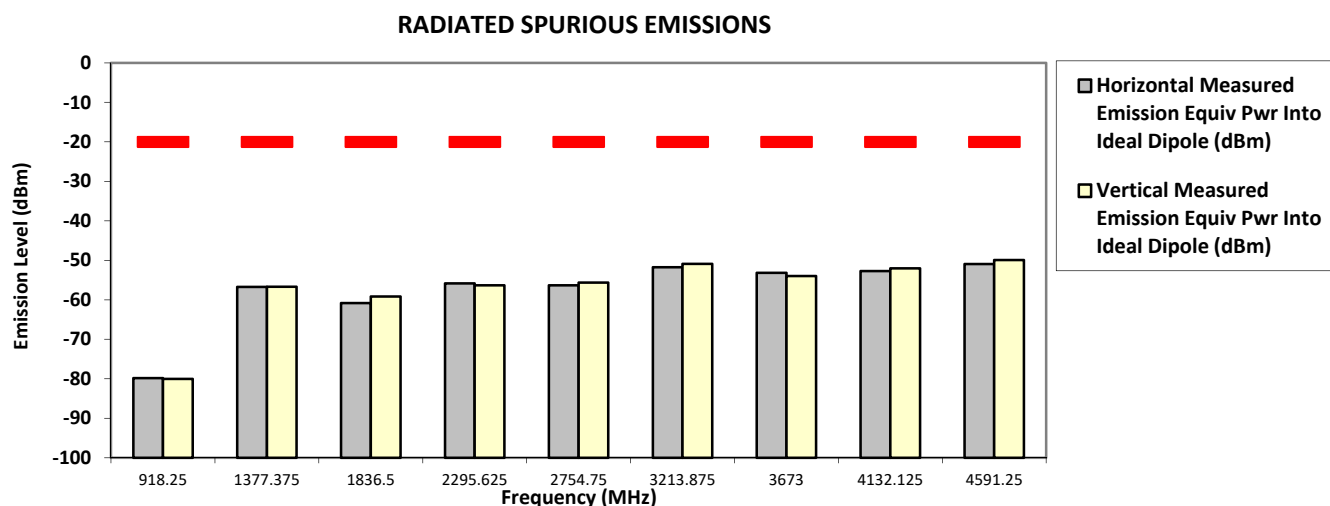
Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambient.  
 \*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported  
 Temp(Deg): 23.9 Hum(%RH): 69.9

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**

459.125000 MHz		12.5 kHz		120.000 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	-79.8326 **	-80.0301 **		
1377.3750	-20.0000	-56.7500 *	-56.6800 *		
1836.5000	-20.0000	-60.8355 **	-59.1738 **		
2295.6250	-20.0000	-55.8404 **	-56.3511 **		
2754.7500	-20.0000	-56.3474 **	-55.6350 **		
3213.8750	-20.0000	-51.7409 **	-50.9039 **		
3673.0000	-20.0000	-53.1560 **	-53.9858 **		
4132.1250	-20.0000	-52.7254 **	-52.0473 **		
4591.2500	-20.0000	-50.9611 **	-49.9354 **		



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&Fendi      Sun, 29 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

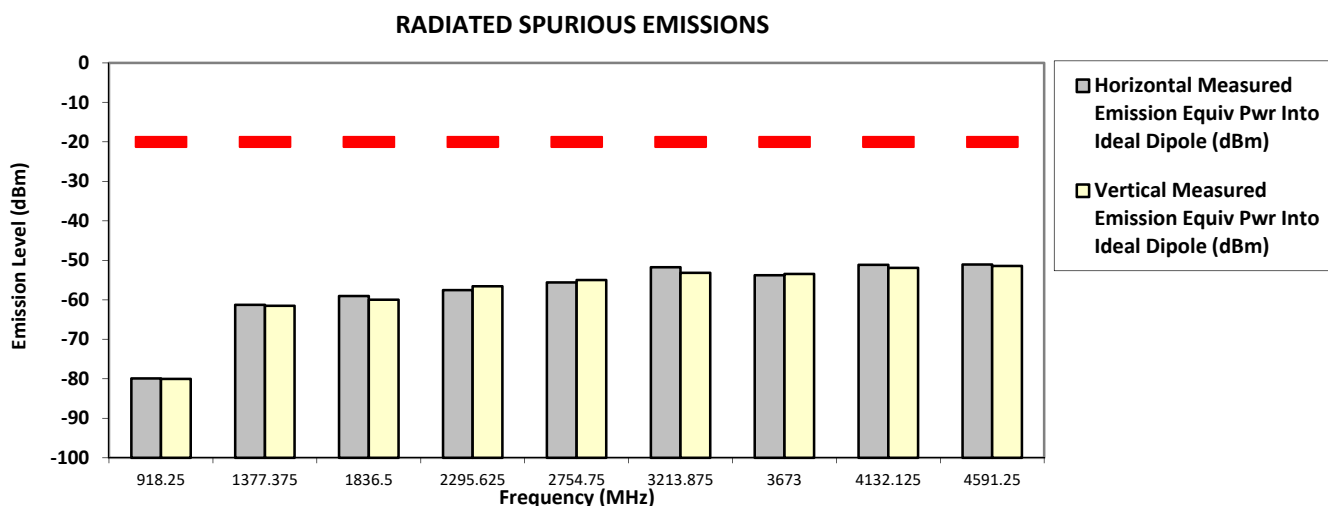
System MU: 4.03 dB

Remarks: 

Passed Results	Marginal Results	Failed Results
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**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**

459.125000 MHz		12.5 kHz		1.000 Watt(s) /Low Power	
Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)		
918.2500	-20.0000	-79.8986 **	-80.0291 **		
1377.3750	-20.0000	-61.2695 **	-61.5253 **		
1836.5000	-20.0000	-59.0541 **	-59.9768 **		
2295.6250	-20.0000	-57.5342 **	-56.5795 **		
2754.7500	-20.0000	-55.5960 **	-55.0037 **		
3213.8750	-20.0000	-51.7338 **	-53.1513 **		
3673.0000	-20.0000	-53.7595 **	-53.4450 **		
4132.1250	-20.0000	-51.1279 **	-51.9092 **		
4591.2500	-20.0000	-51.0479 **	-51.4300 **		



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      Thu, 3 Dec, 2020

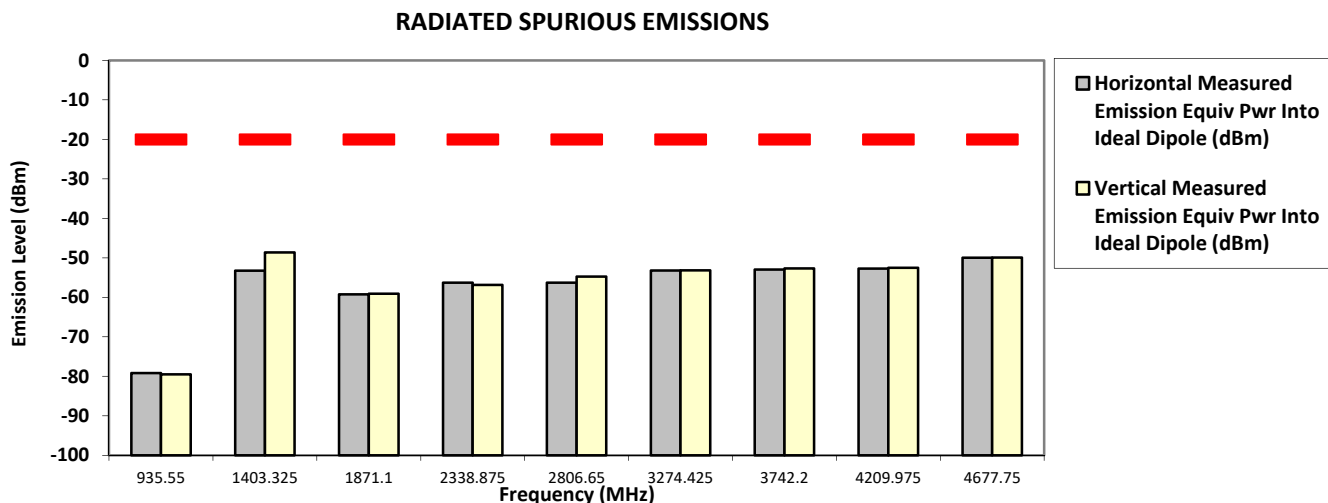
Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambient.  
 \*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported  
 Temp(Deg): 23.9 Hum(%RH): 69.9

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**  
**467.775000 MHz**      **12.5 kHz**      **30.000 Watt(s) /Max Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-79.1655 **	-79.4975 **
1403.3250	-20.0000	-53.2500 *	-48.6200 *
1871.1000	-20.0000	-59.2370 **	-59.0929 **
2338.8750	-20.0000	-56.2818 **	-56.8403 **
2806.6500	-20.0000	-56.2949 **	-54.7522 **
3274.4250	-20.0000	-53.2082 **	-53.1613 **
3742.2000	-20.0000	-52.9734 **	-52.6791 **
4209.9750	-20.0000	-52.7432 **	-52.5395 **
4677.7500	-20.0000	-49.9525 **	-49.9323 **



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&Fendi      Sun, 29 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

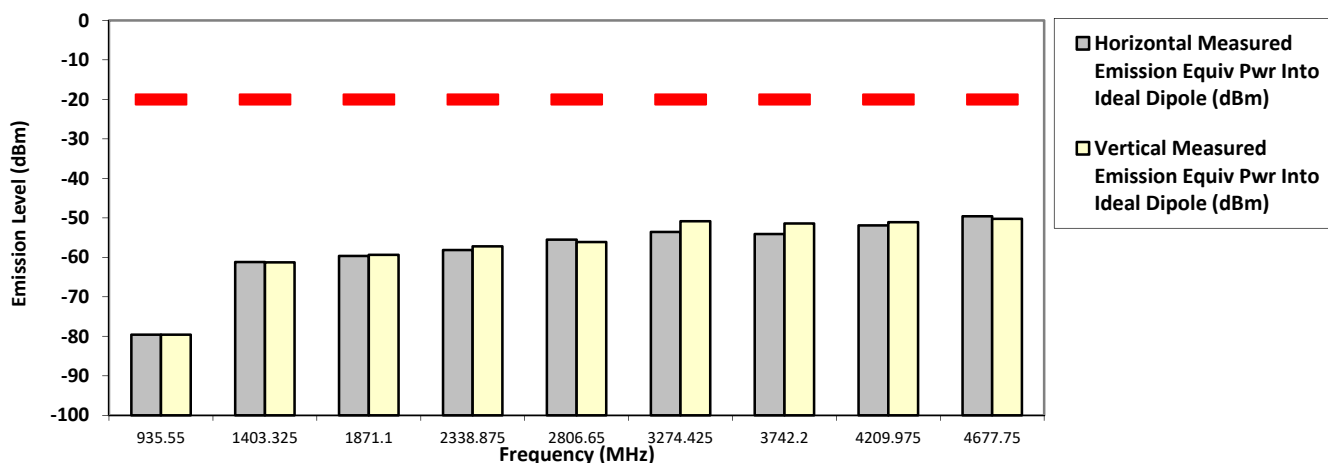
Remarks: 

Passed Results	Marginal Results	Failed Results
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**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**  
**467.775000 MHz**      **12.5 kHz**      **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
935.5500	-20.0000	-79.6024 **	-79.5983 **
1403.3250	-20.0000	-61.1738 **	-61.2668 **
1871.1000	-20.0000	-59.6656 **	-59.3623 **
2338.8750	-20.0000	-58.1693 **	-57.2103 **
2806.6500	-20.0000	-55.5012 **	-56.1167 **
3274.4250	-20.0000	-53.5888 **	-50.8610 **
3742.2000	-20.0000	-54.1004 **	-51.4140 **
4209.9750	-20.0000	-51.9079 **	-51.1133 **
4677.7500	-20.0000	-49.5937 **	-50.2645 **

**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      Thu, 3 Dec, 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
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Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

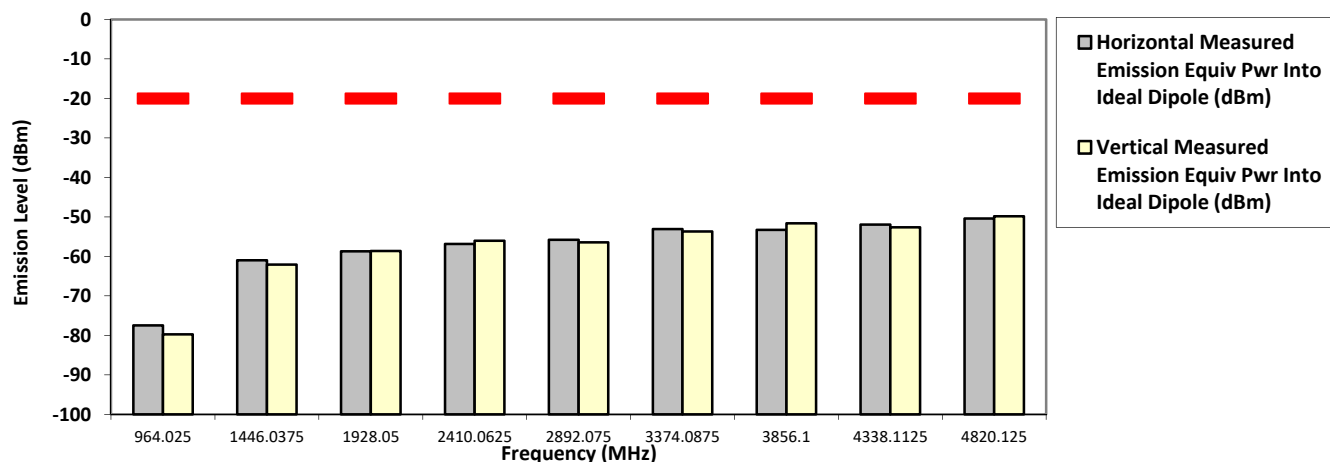
482.012500 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-77.4631 **	-79.7409 **
1446.0375	-20.0000	-61.0053 **	-62.0840 **
1928.0500	-20.0000	-58.7084 **	-58.6498 **
2410.0625	-20.0000	-56.8435 **	-56.0661 **
2892.0750	-20.0000	-55.7901 **	-56.4402 **
3374.0875	-20.0000	-53.0978 **	-53.6799 **
3856.1000	-20.0000	-53.3045 **	-51.6131 **
4338.1125	-20.0000	-51.9495 **	-52.6377 **
4820.1250	-20.0000	-50.4266 **	-49.8395 **

**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 Thu, 3 Dec, 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

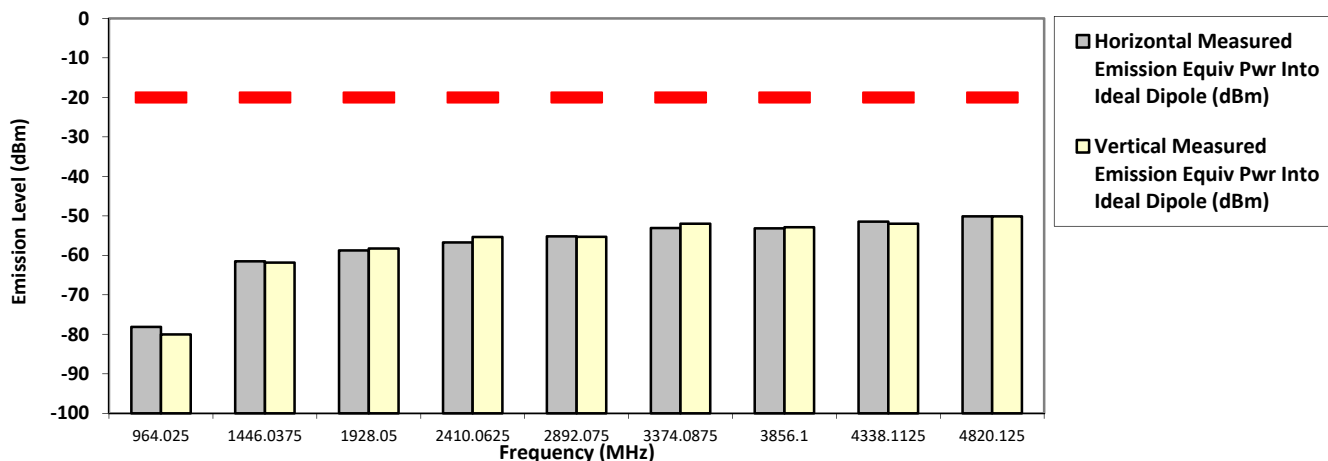
Remarks: 

Passed Results	Marginal Results	Failed Results
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**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**  
**482.012500 MHz**      **12.5 kHz**      **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
964.0250	-20.0000	-78.1375 **	-80.0186 **
1446.0375	-20.0000	-61.5134 **	-61.8535 **
1928.0500	-20.0000	-58.7730 **	-58.2617 **
2410.0625	-20.0000	-56.7356 **	-55.3731 **
2892.0750	-20.0000	-55.2148 **	-55.3157 **
3374.0875	-20.0000	-53.0933 **	-51.9910 **
3856.1000	-20.0000	-53.1868 **	-52.9013 **
4338.1125	-20.0000	-51.4663 **	-51.9874 **
4820.1250	-20.0000	-50.1516 **	-50.1399 **

**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      Thu, 3 Dec, 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
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Model Number: M37TXS9PW1AN  
 Battery Part No: NA

SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

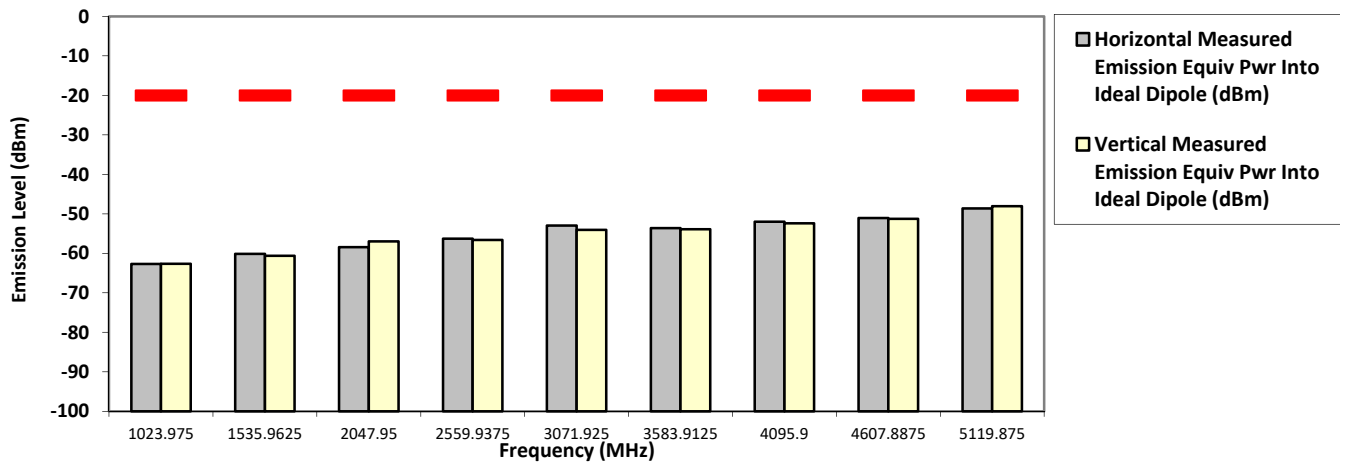
511.987500 MHz

12.5 kHz

120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-62.6992 **	-62.6548 **
1535.9625	-20.0000	-60.1449 **	-60.6161 **
2047.9500	-20.0000	-58.4417 **	-56.9636 **
2559.9375	-20.0000	-56.3015 **	-56.6180 **
3071.9250	-20.0000	-52.9523 **	-54.0582 **
3583.9125	-20.0000	-53.6017 **	-53.9013 **
4095.9000	-20.0000	-51.9780 **	-52.4197 **
4607.8875	-20.0000	-51.0456 **	-51.2630 **
5119.8750	-20.0000	-48.6390 **	-48.0599 **

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

Thu, 3 Dec, 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

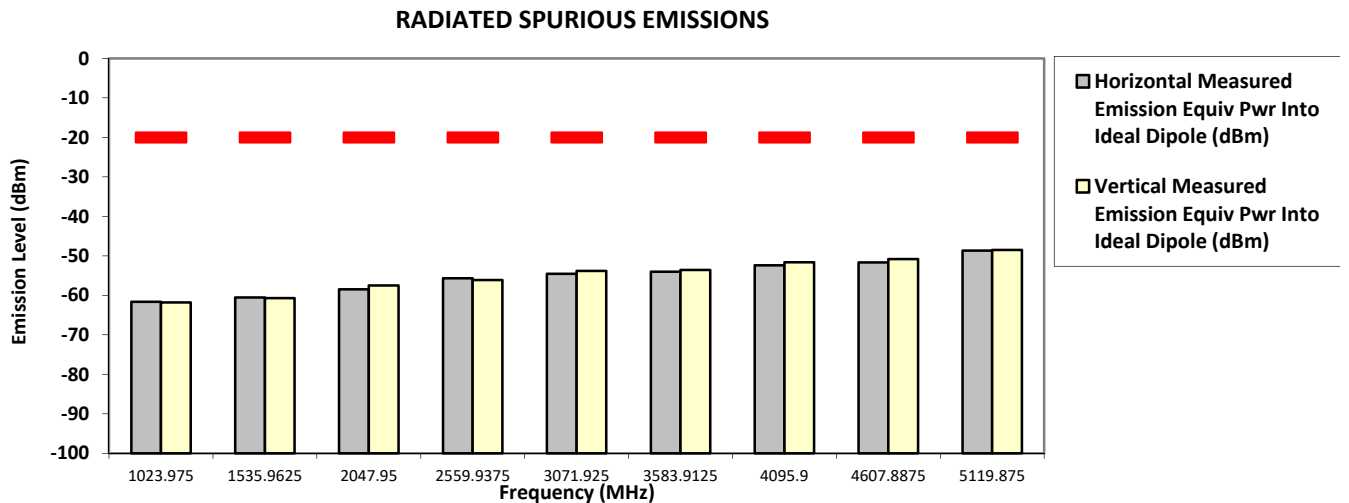
Remarks:

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

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1023.9750	-20.0000	-61.6305 **	-61.7837 **
1535.9625	-20.0000	-60.5472 **	-60.7090 **
2047.9500	-20.0000	-58.4716 **	-57.4922 **
2559.9375	-20.0000	-55.6733 **	-56.1217 **
3071.9250	-20.0000	-54.5682 **	-53.8095 **
3583.9125	-20.0000	-54.0395 **	-53.5838 **
4095.9000	-20.0000	-52.3977 **	-51.6446 **
4607.8875	-20.0000	-51.6664 **	-50.8323 **
5119.8750	-20.0000	-48.6872 **	-48.4923 **



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      Thu, 3 Dec, 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
----------------	------------------	----------------

Model Number: M37TXS9PW1AN  
 Battery Part No: NA

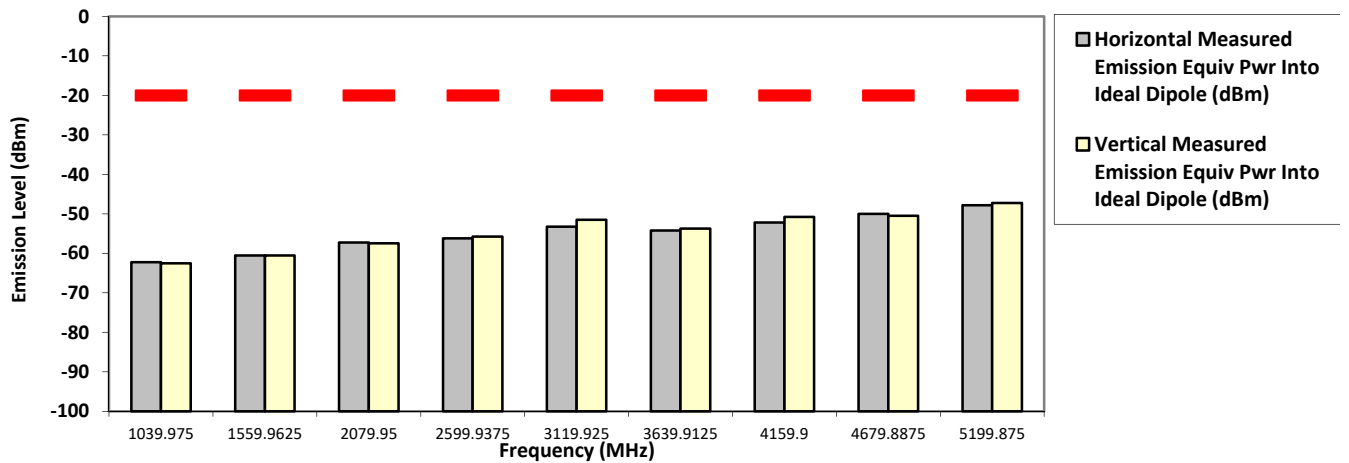
SAC Transmitter Radiated Emission:  
 S/N: PHUW1001H-CF2  
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,  
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01  
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

519.987500 MHz                      12.5 kHz                      120.000 Watt(s) /Max Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-62.2586 **	-62.5463 **
1559.9625	-20.0000	-60.5648 **	-60.5647 **
2079.9500	-20.0000	-57.2572 **	-57.4507 **
2599.9375	-20.0000	-56.2178 **	-55.7560 **
3119.9250	-20.0000	-53.2625 **	-51.4909 **
3639.9125	-20.0000	-54.2389 **	-53.7219 **
4159.9000	-20.0000	-52.2110 **	-50.7736 **
4679.8875	-20.0000	-50.0023 **	-50.5079 **
5199.8750	-20.0000	-47.8316 **	-47.2385 **

**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                      Thu, 3 Dec, 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

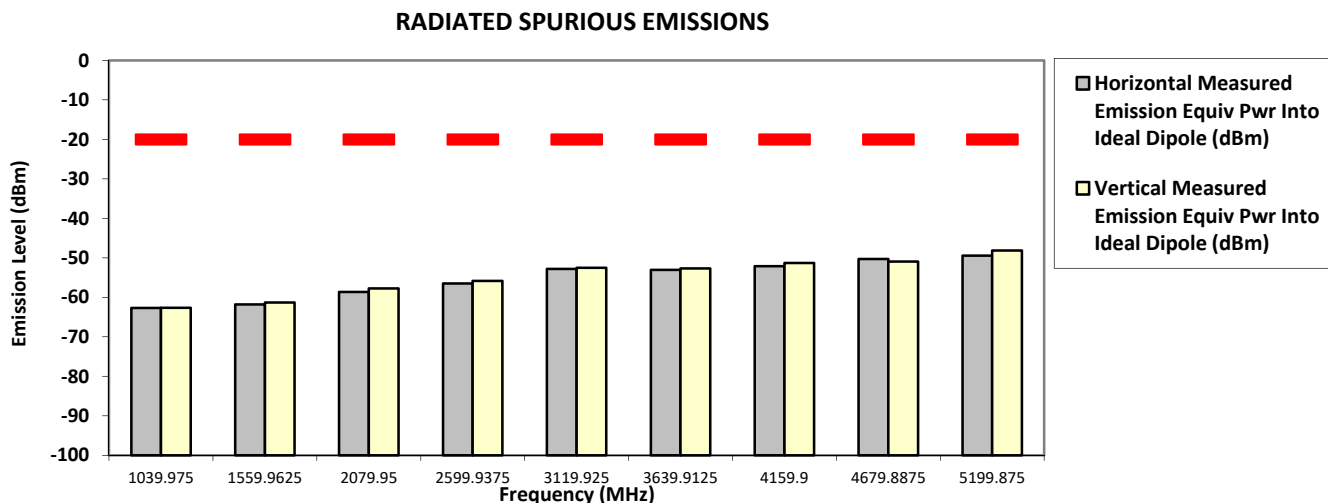
System MU: 4.03 dB

Remarks: 

Passed Results	Marginal Results	Failed Results
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**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**  
**519.987500 MHz**      **12.5 kHz**      **1.000 Watt(s) /Low Power**

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1039.9750	-20.0000	-62.6887 **	-62.6714 **
1559.9625	-20.0000	-61.7919 **	-61.3253 **
2079.9500	-20.0000	-58.6343 **	-57.7589 **
2599.9375	-20.0000	-56.4829 **	-55.8625 **
3119.9250	-20.0000	-52.8052 **	-52.5368 **
3639.9125	-20.0000	-53.0551 **	-52.6892 **
4159.9000	-20.0000	-52.1229 **	-51.3270 **
4679.8875	-20.0000	-50.2870 **	-50.9533 **
5199.8750	-20.0000	-49.4306 **	-48.1280 **



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      Thu, 3 Dec, 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
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### 6.11.4. Test Limit

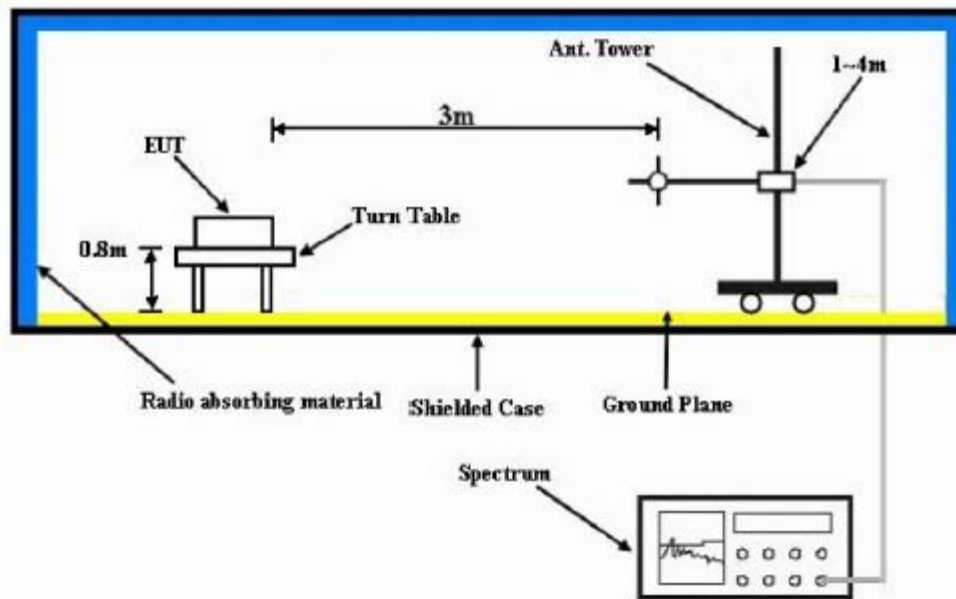
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

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

**EIRP/ERP**

S/N: PHUW1001H-RF1

Tx Power: 1.000 Watts

Channel Spacing : 25 kHz

Modulation: FM

Accessory: RAE4014ARB, HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B, PMHN4194AC-CF9, PMUN1057B-CF2

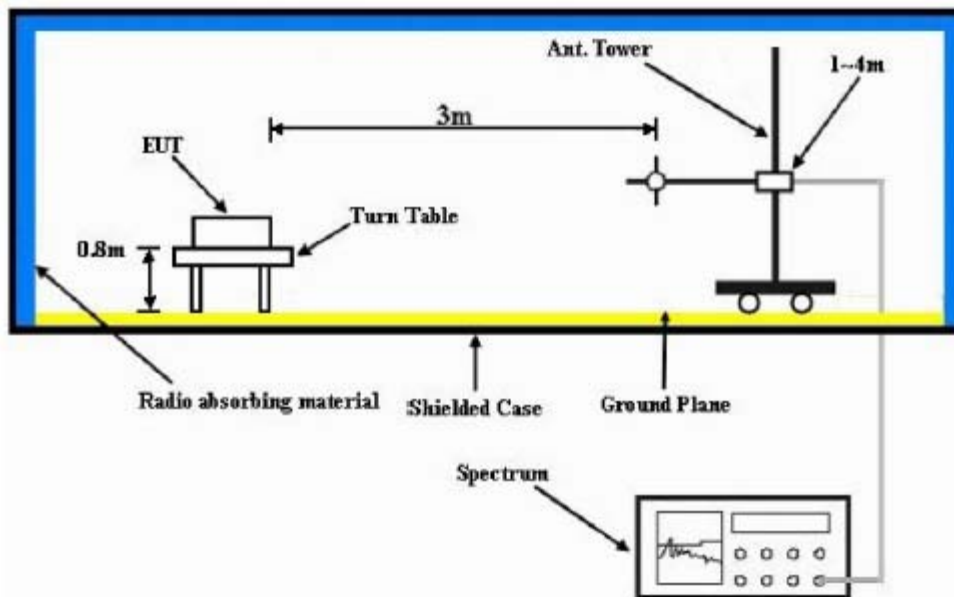
Antenna Polarization	Frequency (MHz)	EIRP (dBm)	ERP (dBm)
Vert.	467.7750	19.05	16.90

**6.12.3. Test Limit**

The maximum output power of the transmitter for ship station frequencies above 27500kHz per 80.215(e)(3) is 4W and ERP must not exceed 2W.

### 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 ~**