

6.10.4. Test Limit

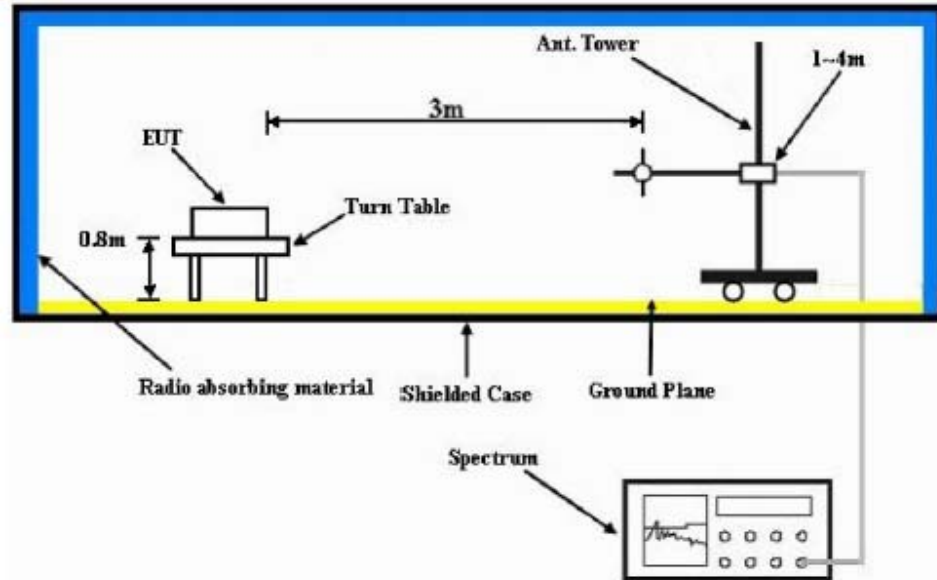
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz		Not Applicable		43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz	Not Applicable	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

6.11. Radiated Spurious Emission

6.11.1. Test Setup



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

***NOTE: Frequency points and modulations schemes in this section are worst case configurations**

6.11.1. Test Result (Analog)

SAC Transmitter Radiated Emission:

Model Number: T7039A

S/N: 123XXX1235

SR:18967-EMC-00008

Battery Part No: NA

Accy Part No: 3082933N20-C3

Test Mode: TX Analog

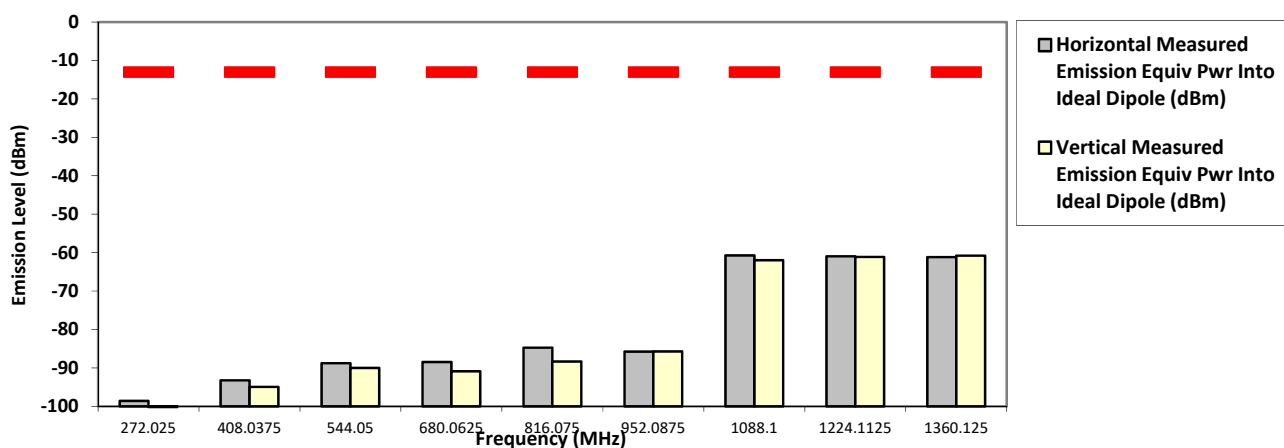
136.012500 MHz

25 kHz

2.000 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)
272.0250	-13.0000	-98.5878 **	-100.1746 **
408.0375	-13.0000	-93.2164 **	-94.9499 **
544.0500	-13.0000	-88.7834 **	-90.0134 **
680.0625	-13.0000	-88.4666 **	-90.8671 **
816.0750	-13.0000	-84.7148 **	-88.3244 **
952.0875	-13.0000	-85.7297 **	-85.7176 **
1088.1000	-13.0000	-60.7346 **	-61.9588 **
1224.1125	-13.0000	-60.9623 **	-61.1030 **
1360.1250	-13.0000	-61.1787 **	-60.7986 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil
Fri, Nov 22, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

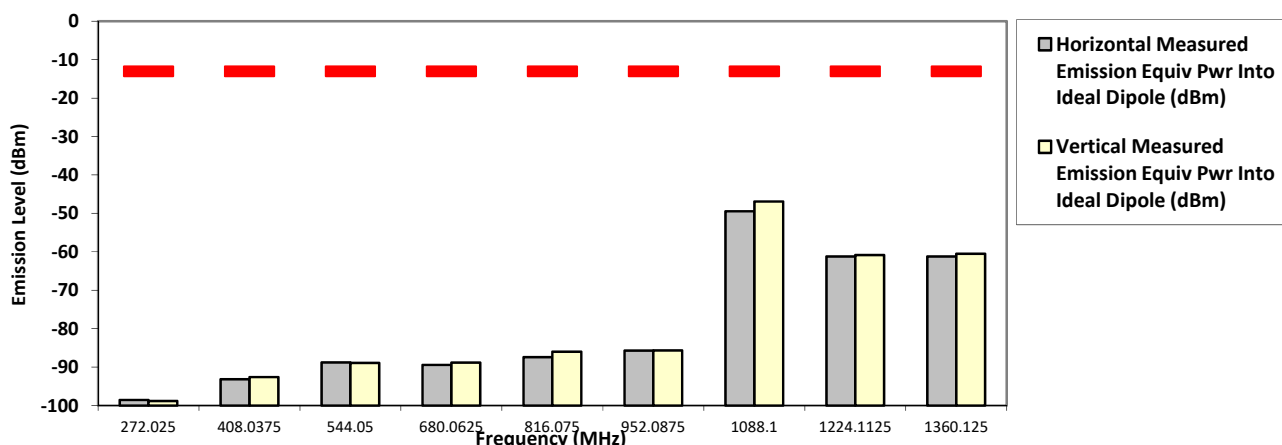
Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Analog
136.012500 MHz 25 kHz 110.000 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)
272.0250	-13.0000	-98.5447 **	-98.8366 **
408.0375	-13.0000	-93.1693 **	-92.6044 **
544.0500	-13.0000	-88.7731 **	-88.8989 **
680.0625	-13.0000	-89.4280 **	-88.8198 **
816.0750	-13.0000	-87.4058 **	-85.9821 **
952.0875	-13.0000	-85.6975 **	-85.6618 **
1088.1000	-13.0000	-49.4700 *	-46.9000 *
1224.1125	-13.0000	-61.2126 **	-60.8397 **
1360.1250	-13.0000	-61.1867 **	-60.5223 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

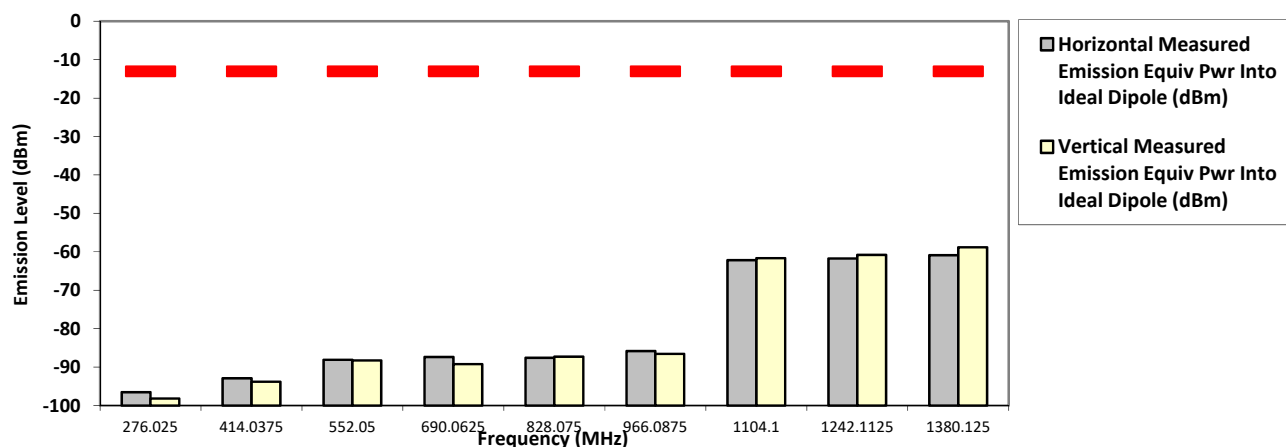
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Analog
138.012500 MHz 25 kHz 2.000 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)
276.0250	-13.0000	-96.5342 **	-98.1817 **
414.0375	-13.0000	-92.8963 **	-93.7946 **
552.0500	-13.0000	-88.0927 **	-88.2533 **
690.0625	-13.0000	-87.3730 **	-89.2354 **
828.0750	-13.0000	-87.5716 **	-87.2897 **
966.0875	-13.0000	-85.8284 **	-86.5729 **
1104.1000	-13.0000	-62.1804 **	-61.6408 **
1242.1125	-13.0000	-61.7326 **	-60.8068 **
1380.1250	-13.0000	-60.8872 **	-58.8177 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

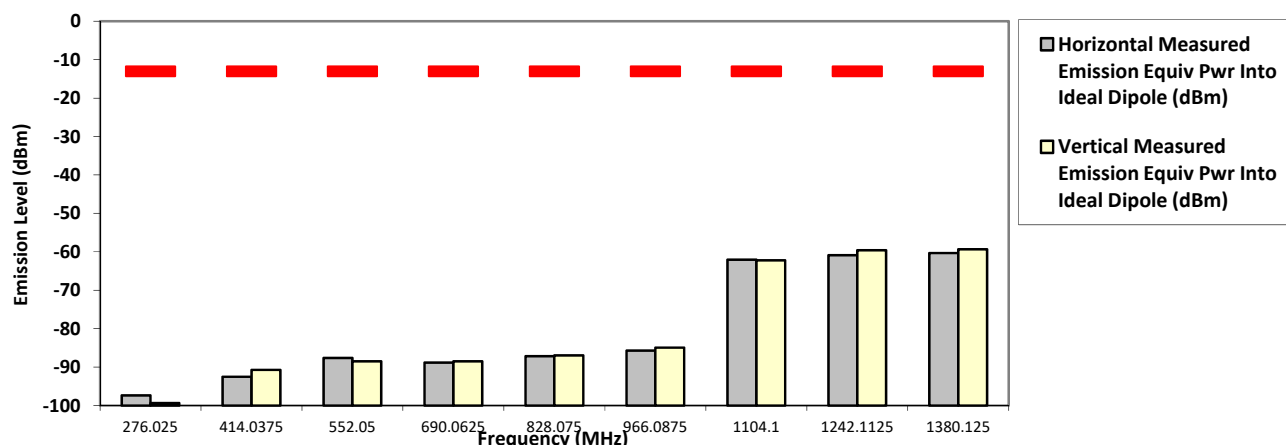
Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Analog
138.012500 MHz 25 kHz 110.000 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)
276.0250	-13.0000	-97.3517 **	-99.3372 **
414.0375	-13.0000	-92.5217 **	-90.7063 **
552.0500	-13.0000	-87.6214 **	-88.4790 **
690.0625	-13.0000	-88.8033 **	-88.5127 **
828.0750	-13.0000	-87.1733 **	-86.9643 **
966.0875	-13.0000	-85.7060 **	-84.9175 **
1104.1000	-13.0000	-62.0429 **	-62.2036 **
1242.1125	-13.0000	-60.8877 **	-59.5696 **
1380.1250	-13.0000	-60.3161 **	-59.3253 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

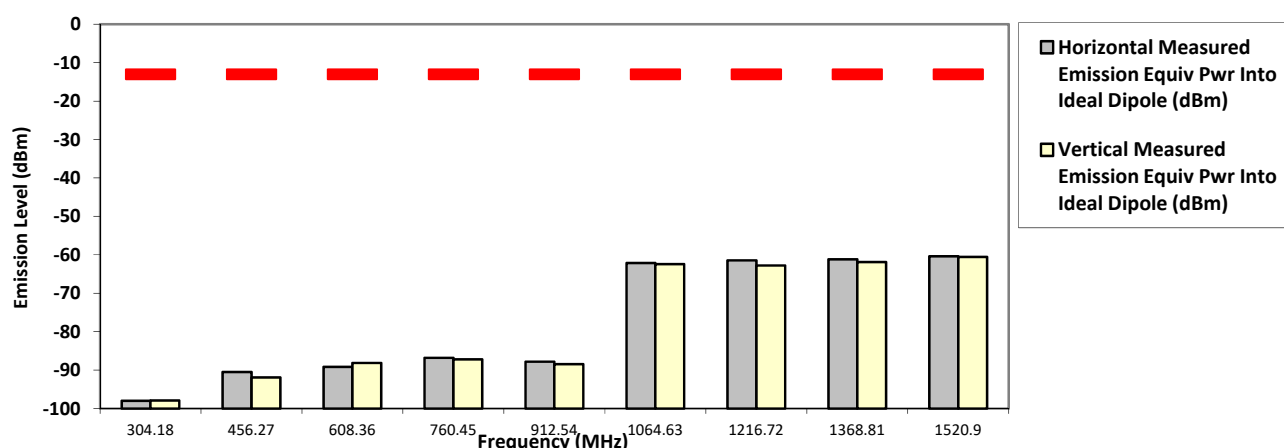
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Analog
152.090000 MHz **25 kHz** **2.000 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)
304.1800	-13.0000	-97.9902 **	-97.8761 **
456.2700	-13.0000	-90.5023 **	-91.9184 **
608.3600	-13.0000	-89.1390 **	-88.1255 **
760.4500	-13.0000	-86.8079 **	-87.2002 **
912.5400	-13.0000	-87.8290 **	-88.4381 **
1064.6300	-13.0000	-62.1193 **	-62.4301 **
1216.7200	-13.0000	-61.4620 **	-62.7622 **
1368.8100	-13.0000	-61.1555 **	-61.9016 **
1520.9000	-13.0000	-60.3865 **	-60.5663 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

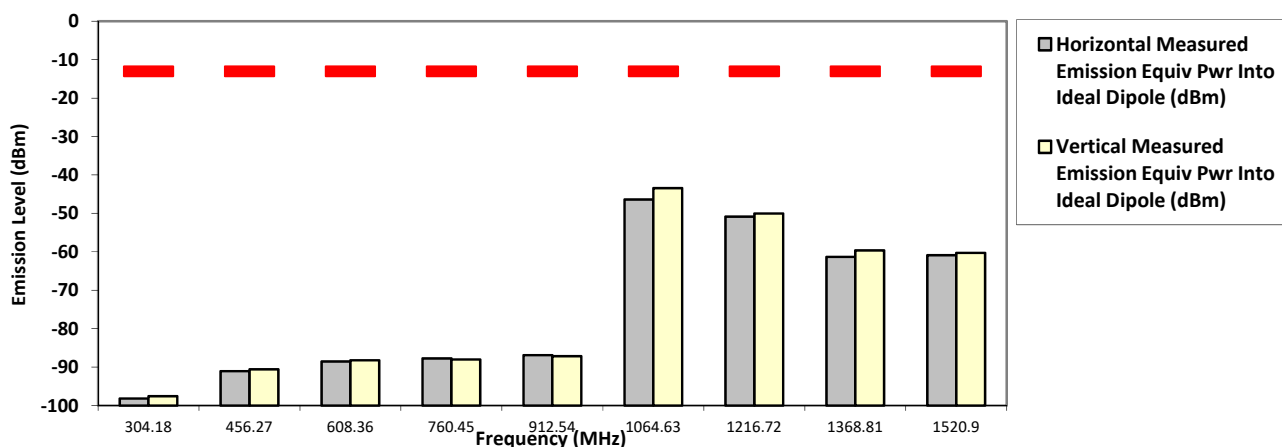
Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Analog
152.090000 MHz 25 kHz 110.000 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)
304.1800	-13.0000	-98.1893 **	-97.5548 **
456.2700	-13.0000	-91.0467 **	-90.5488 **
608.3600	-13.0000	-88.5224 **	-88.2045 **
760.4500	-13.0000	-87.7378 **	-88.0266 **
912.5400	-13.0000	-86.8718 **	-87.1815 **
1064.6300	-13.0000	-46.3800 *	-43.4400 *
1216.7200	-13.0000	-50.8400 *	-50.0400 *
1368.8100	-13.0000	-61.3043 **	-59.6402 **
1520.9000	-13.0000	-60.8851 **	-60.2660 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

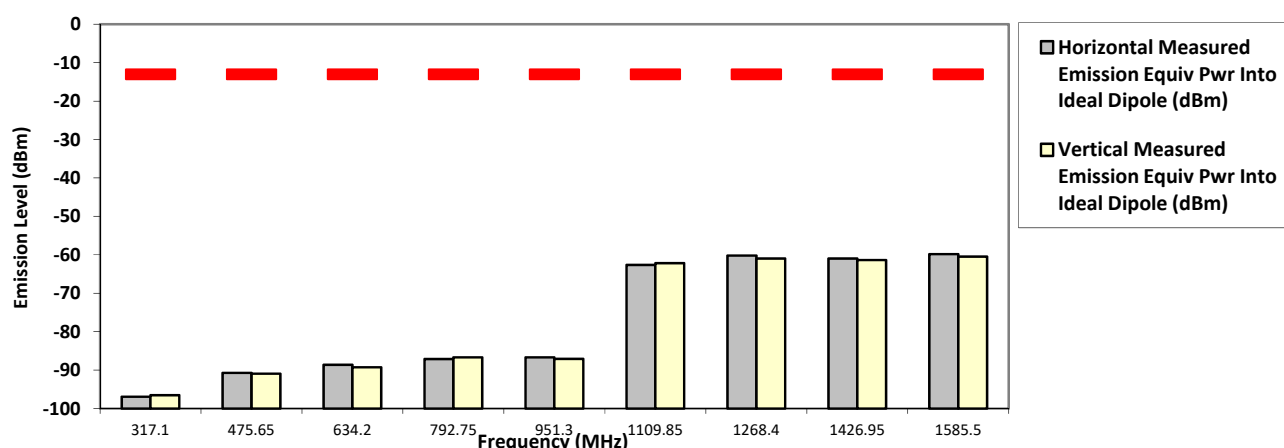
Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Analog
158.550000 MHz 25 kHz 2.000 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)
317.1000	-13.0000	-96.9169 **	-96.5060 **
475.6500	-13.0000	-90.7319 **	-90.9238 **
634.2000	-13.0000	-88.6169 **	-89.2604 **
792.7500	-13.0000	-87.1286 **	-86.6815 **
951.3000	-13.0000	-86.6656 **	-87.0778 **
1109.8500	-13.0000	-62.6050 **	-62.1899 **
1268.4000	-13.0000	-60.2069 **	-60.9485 **
1426.9500	-13.0000	-60.9503 **	-61.3607 **
1585.5000	-13.0000	-59.8212 **	-60.4678 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

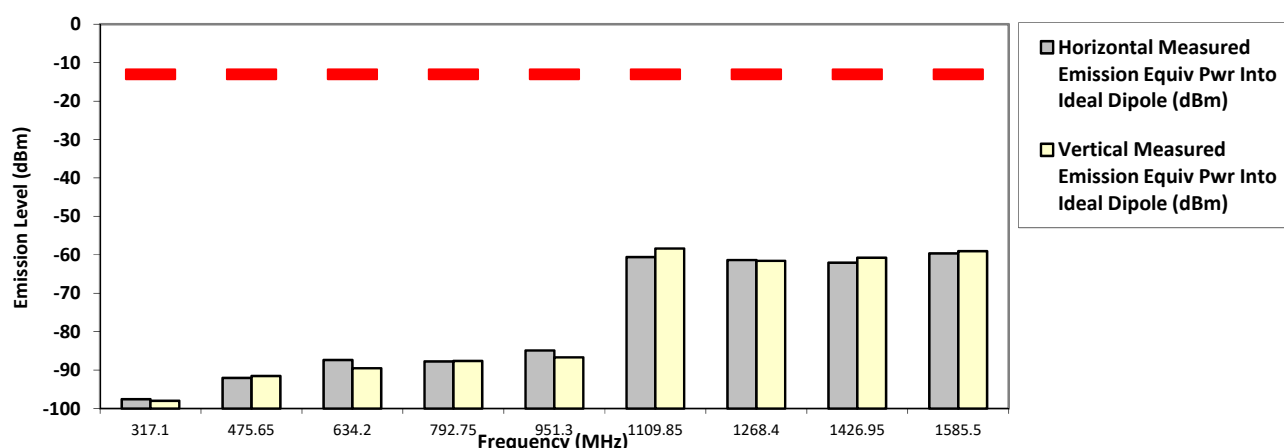
Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Analog
158.550000 MHz 25 kHz 50.000 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)
317.1000	-13.0000	-97.5807 **	-97.9556 **
475.6500	-13.0000	-92.0219 **	-91.5277 **
634.2000	-13.0000	-87.3511 **	-89.5239 **
792.7500	-13.0000	-87.7476 **	-87.6043 **
951.3000	-13.0000	-84.9093 **	-86.6618 **
1109.8500	-13.0000	-60.5793 **	-58.3694 **
1268.4000	-13.0000	-61.3577 **	-61.5490 **
1426.9500	-13.0000	-62.0377 **	-60.7492 **
1585.5000	-13.0000	-59.6286 **	-59.0522 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

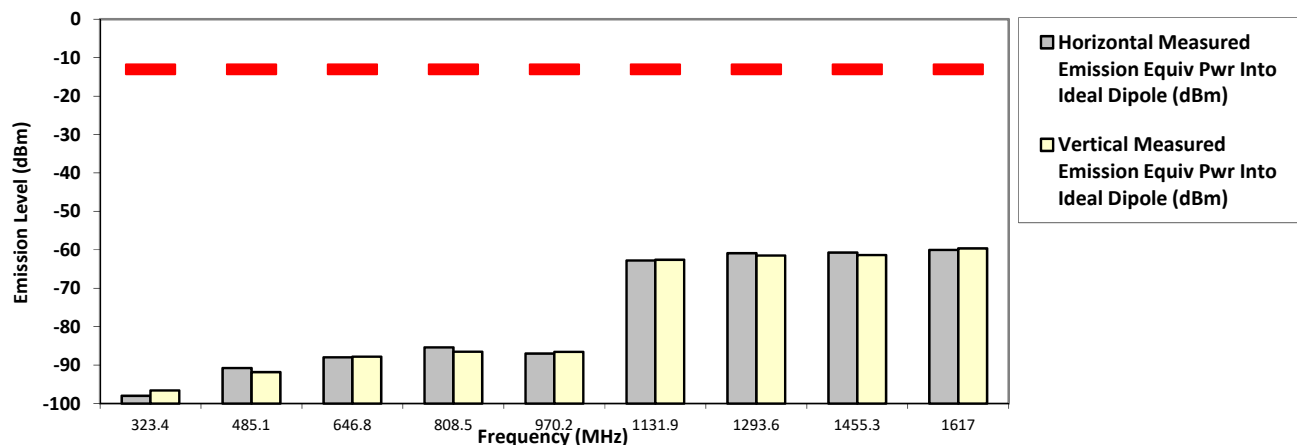
Remarks:

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

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Analog
161.700000 MHz **25 kHz** **2.000 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)
323.4000	-13.0000	-97.9661 **	-96.6166 **
485.1000	-13.0000	-90.7505 **	-91.8384 **
646.8000	-13.0000	-87.9521 **	-87.8278 **
808.5000	-13.0000	-85.3655 **	-86.5141 **
970.2000	-13.0000	-87.0187 **	-86.5517 **
1131.9000	-13.0000	-62.7790 **	-62.5940 **
1293.6000	-13.0000	-60.8833 **	-61.4933 **
1455.3000	-13.0000	-60.7031 **	-61.3610 **
1617.0000	-13.0000	-60.0252 **	-59.6230 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 70.6

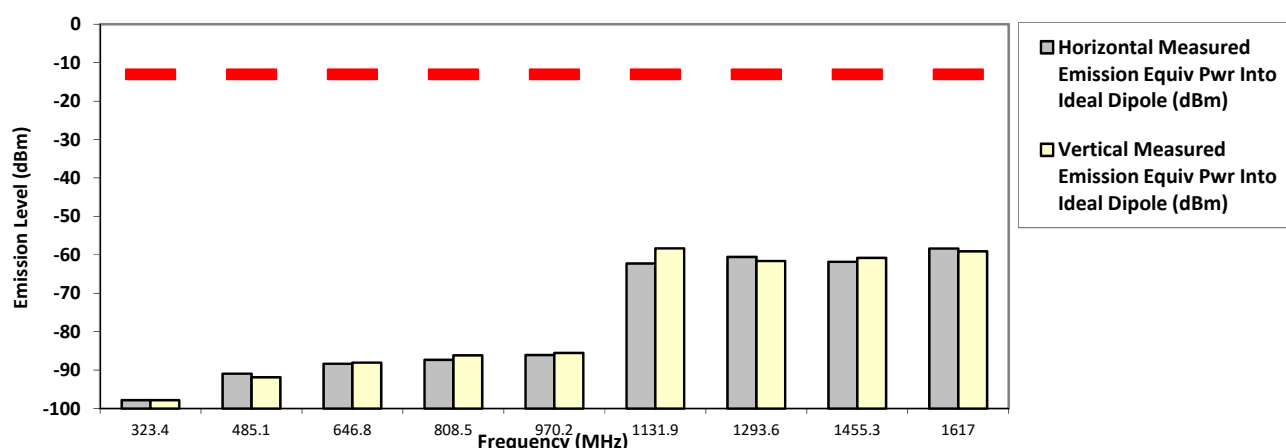
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Analog
161.700000 MHz **25 kHz** **110.000 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)
323.4000	-13.0000	-97.8217 **	-97.7928 **
485.1000	-13.0000	-90.9317 **	-91.8485 **
646.8000	-13.0000	-88.3349 **	-88.0527 **
808.5000	-13.0000	-87.3063 **	-86.1629 **
970.2000	-13.0000	-86.0598 **	-85.5474 **
1131.9000	-13.0000	-62.2429 **	-58.3334 **
1293.6000	-13.0000	-60.5716 **	-61.6067 **
1455.3000	-13.0000	-61.8113 **	-60.8157 **
1617.0000	-13.0000	-58.3799 **	-59.0912 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

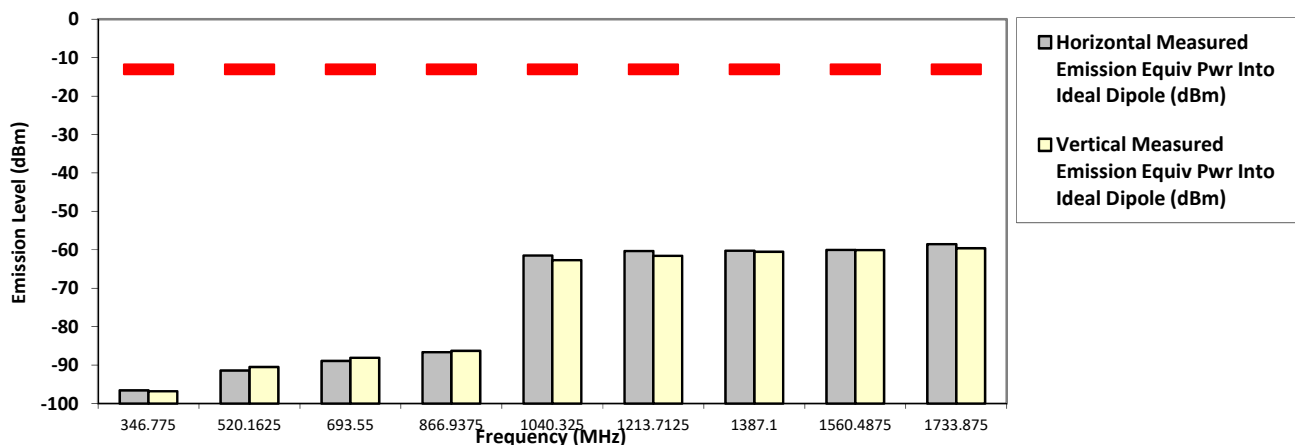
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Analog
173.387500 MHz **25 kHz** **2.000 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)
346.7750	-13.0000	-96.5601 **	-96.8107 **
520.1625	-13.0000	-91.4294 **	-90.4936 **
693.5500	-13.0000	-88.8959 **	-88.0837 **
866.9375	-13.0000	-86.6270 **	-86.2523 **
1040.3250	-13.0000	-61.4992 **	-62.7186 **
1213.7125	-13.0000	-60.2955 **	-61.5802 **
1387.1000	-13.0000	-60.2130 **	-60.5281 **
1560.4875	-13.0000	-60.0321 **	-60.0498 **
1733.8750	-13.0000	-58.5322 **	-59.5617 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

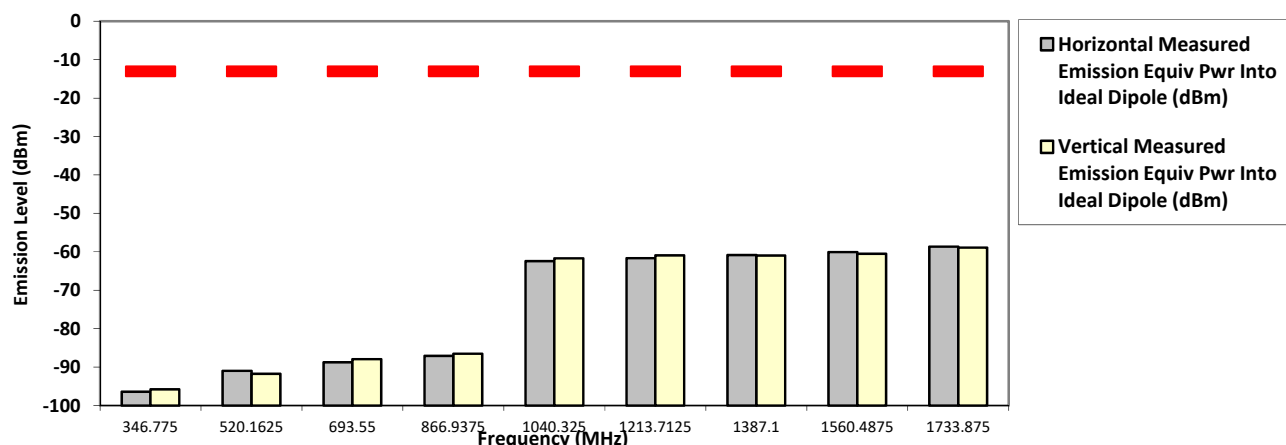
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Analog
173.387500 MHz **25 kHz** **110.000 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)
346.7750	-13.0000	-96.4150 **	-95.8030 **
520.1625	-13.0000	-90.9692 **	-91.7442 **
693.5500	-13.0000	-88.7410 **	-87.9376 **
866.9375	-13.0000	-87.0673 **	-86.4982 **
1040.3250	-13.0000	-62.3978 **	-61.7000 **
1213.7125	-13.0000	-61.6375 **	-60.9180 **
1387.1000	-13.0000	-60.8258 **	-60.9453 **
1560.4875	-13.0000	-60.0763 **	-60.4957 **
1733.8750	-13.0000	-58.6625 **	-58.8878 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

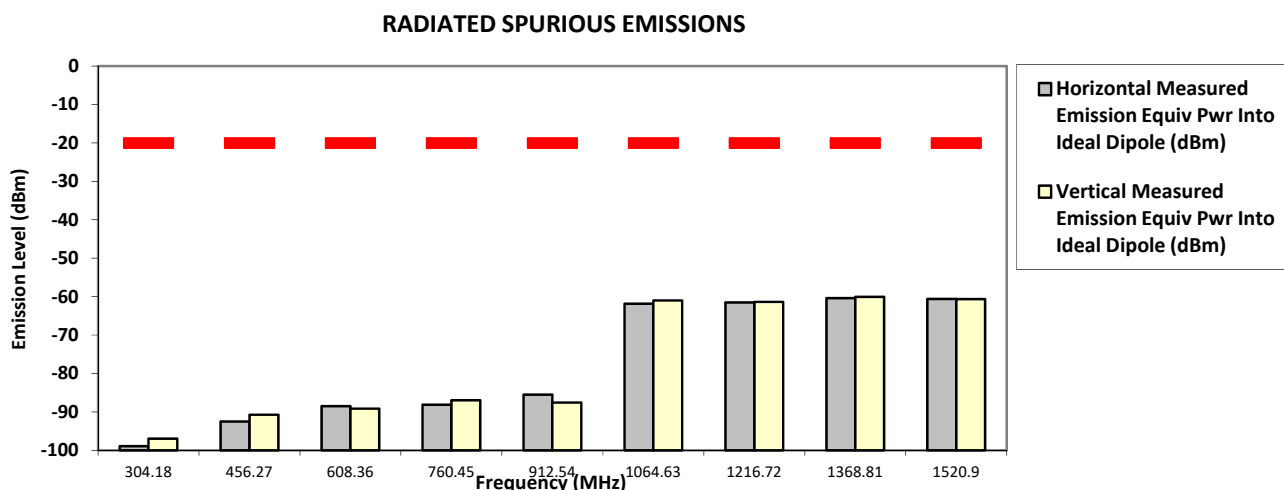
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

6.11.2. Test Result (Digital)

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Digital C4FM
152.090000 MHz **12.5 kHz** **2.000 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)
304.1800	-20.0000	-98.8959 **	-96.9448 **
456.2700	-20.0000	-92.5053 **	-90.7054 **
608.3600	-20.0000	-88.4839 **	-89.1279 **
760.4500	-20.0000	-88.1413 **	-86.9527 **
912.5400	-20.0000	-85.4817 **	-87.5784 **
1064.6300	-20.0000	-61.8307 **	-60.9933 **
1216.7200	-20.0000	-61.5366 **	-61.3575 **
1368.8100	-20.0000	-60.3817 **	-60.0477 **
1520.9000	-20.0000	-60.5976 **	-60.6500 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

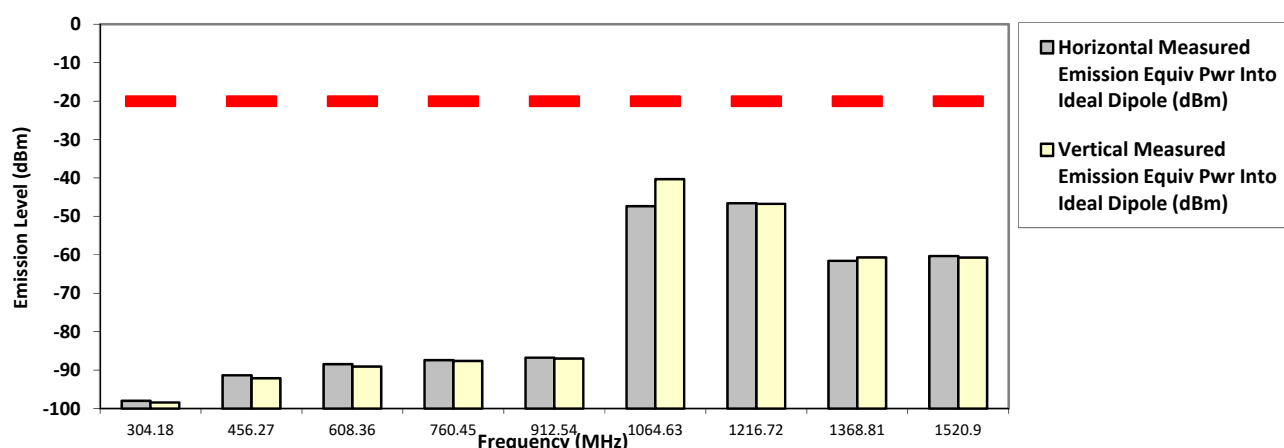
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Digital C4FM
152.090000 MHz 12.5 kHz 110.000 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)
304.1800	-20.0000	-97.9663 **	-98.4321 **
456.2700	-20.0000	-91.3272 **	-92.0823 **
608.3600	-20.0000	-88.4611 **	-89.0809 **
760.4500	-20.0000	-87.3881 **	-87.5964 **
912.5400	-20.0000	-86.7484 **	-87.0057 **
1064.6300	-20.0000	-47.3700 *	-40.3100 *
1216.7200	-20.0000	-46.5900 *	-46.7500 *
1368.8100	-20.0000	-61.5563 **	-60.6802 **
1520.9000	-20.0000	-60.3132 **	-60.7331 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

Remarks:

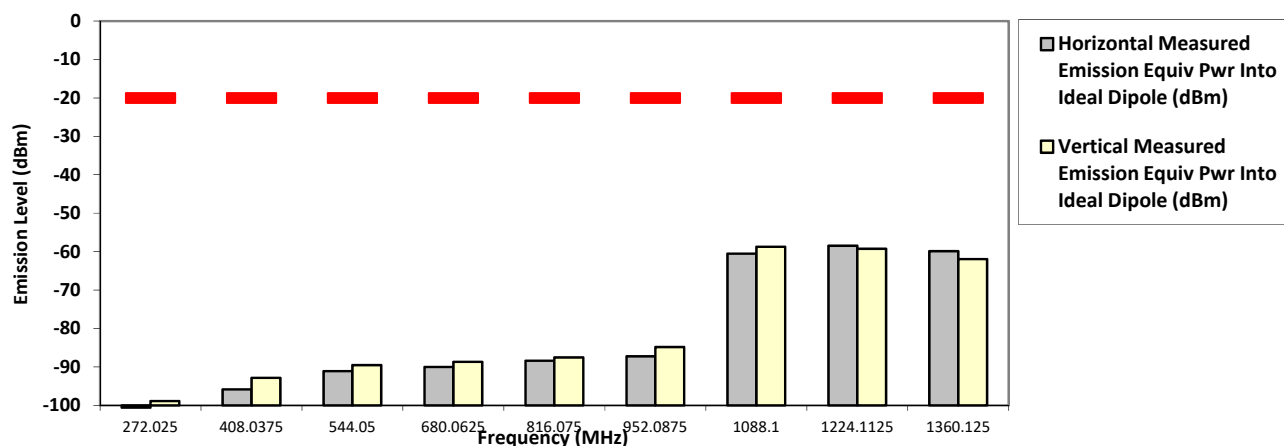
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX FSK
136.012500 MHz **12.5 kHz** **2.000 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)
272.0250	-20.0000	-100.5608 **	-98.8539 **
408.0375	-20.0000	-95.8086 **	-92.8359 **
544.0500	-20.0000	-91.0733 **	-89.5184 **
680.0625	-20.0000	-89.9982 **	-88.6537 **
816.0750	-20.0000	-88.3881 **	-87.5178 **
952.0875	-20.0000	-87.2245 **	-84.8283 **
1088.1000	-20.0000	-60.5215 **	-58.7400 **
1224.1125	-20.0000	-58.4616 **	-59.2645 **
1360.1250	-20.0000	-59.8717 **	-61.9187 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

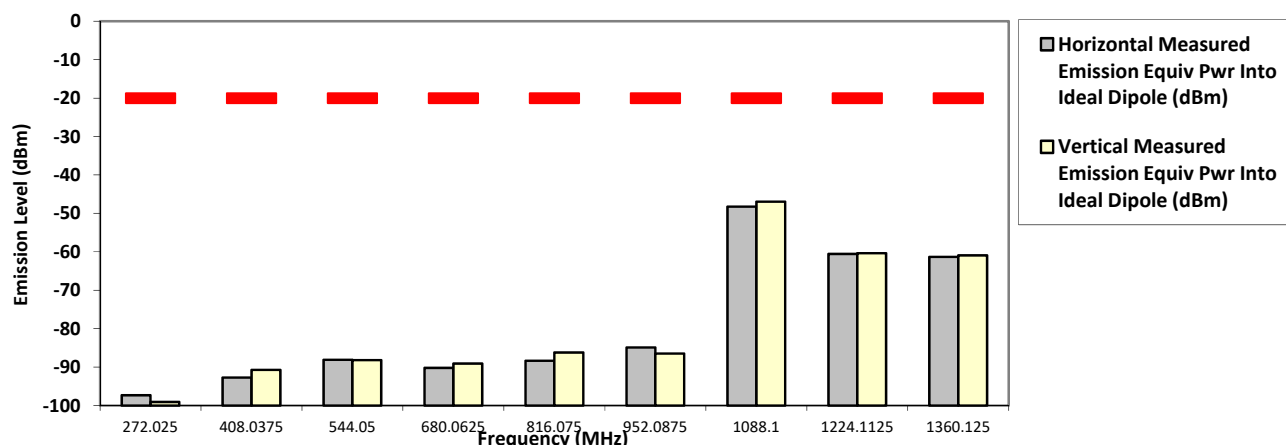
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX FSK
136.012500 MHz 12.5 kHz 110.000 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)
272.0250	-20.0000	-97.3093 **	-99.0736 **
408.0375	-20.0000	-92.7189 **	-90.7112 **
544.0500	-20.0000	-88.0905 **	-88.1662 **
680.0625	-20.0000	-90.1972 **	-89.0535 **
816.0750	-20.0000	-88.3490 **	-86.1795 **
952.0875	-20.0000	-84.8850 **	-86.4591 **
1088.1000	-20.0000	-48.2600 *	-46.9300 *
1224.1125	-20.0000	-60.5693 **	-60.3711 **
1360.1250	-20.0000	-61.3289 **	-60.9273 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

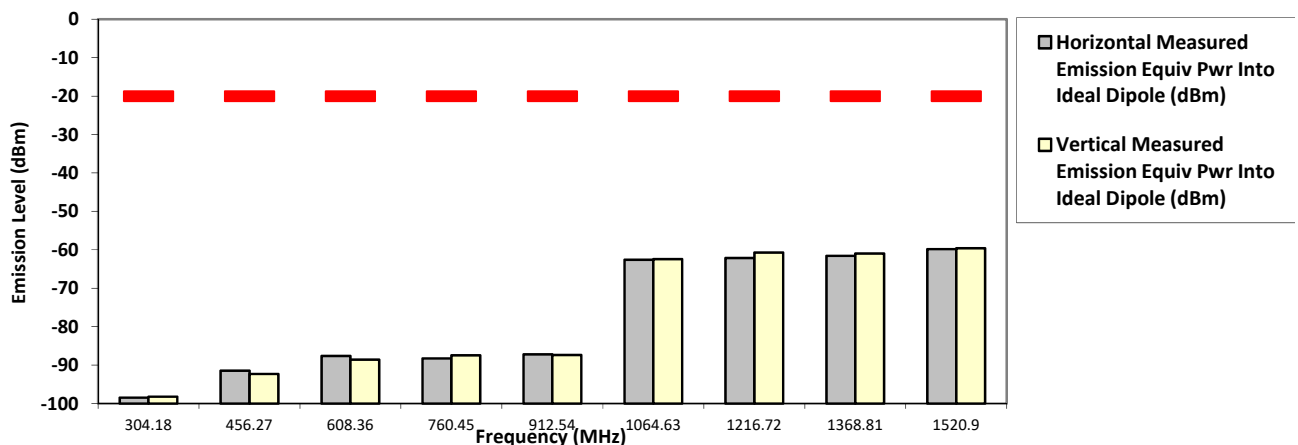
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX FSK
152.090000 MHz 12.5 kHz 2.000 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)
304.1800	-20.0000	-98.4542 **	-98.2117 **
456.2700	-20.0000	-91.4394 **	-92.2998 **
608.3600	-20.0000	-87.6169 **	-88.5675 **
760.4500	-20.0000	-88.2489 **	-87.4520 **
912.5400	-20.0000	-87.2014 **	-87.3518 **
1064.6300	-20.0000	-62.5915 **	-62.4291 **
1216.7200	-20.0000	-62.1320 **	-60.7115 **
1368.8100	-20.0000	-61.5559 **	-60.9567 **
1520.9000	-20.0000	-59.8378 **	-59.5933 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Nov 23, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

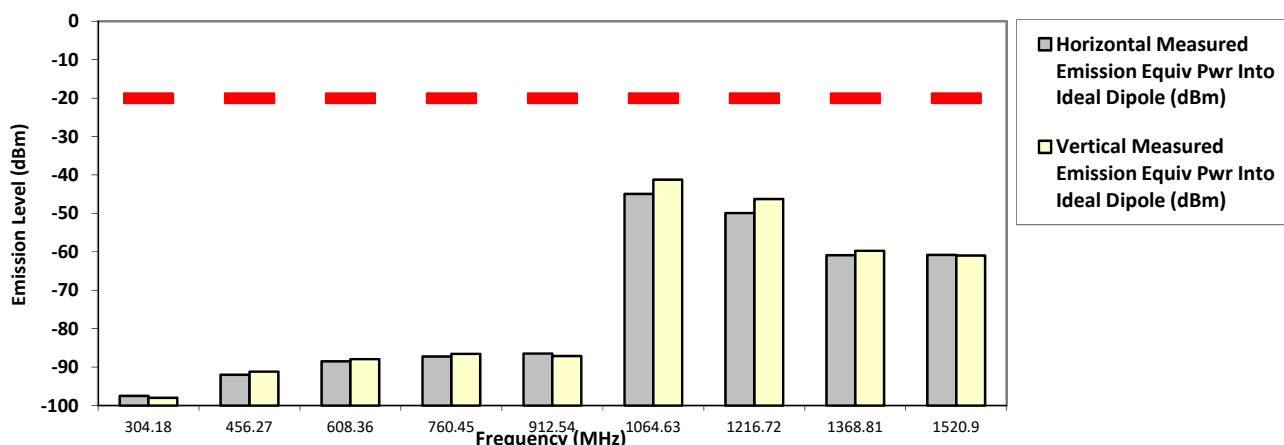
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX FSK
152.090000 MHz 12.5 kHz 110.000 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)
304.1800	-20.0000	-97.5074 **	-97.9575 **
456.2700	-20.0000	-91.9877 **	-91.1667 **
608.3600	-20.0000	-88.4998 **	-87.9361 **
760.4500	-20.0000	-87.2619 **	-86.5573 **
912.5400	-20.0000	-86.4647 **	-87.1086 **
1064.6300	-20.0000	-44.9400 *	-41.2400 *
1216.7200	-20.0000	-49.9000 *	-46.2400 *
1368.8100	-20.0000	-60.8838 **	-59.7627 **
1520.9000	-20.0000	-60.8086 **	-60.9682 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

Remarks:

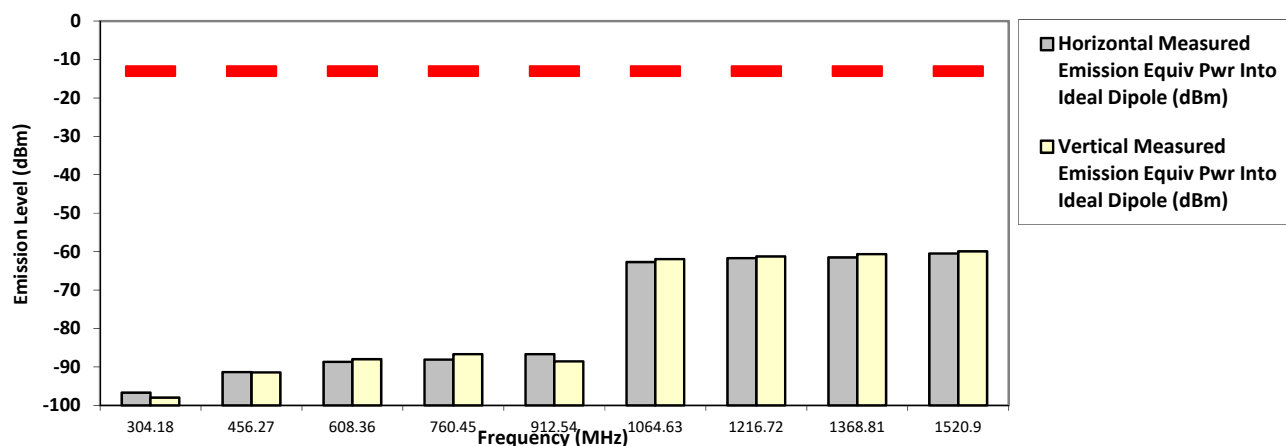
Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:

Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX FSK
152.090000 MHz **25 kHz** **2.000 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)
304.1800	-13.0000	-96.6693 **	-97.9869 **
456.2700	-13.0000	-91.3201 **	-91.4133 **
608.3600	-13.0000	-88.6688 **	-87.9681 **
760.4500	-13.0000	-88.1036 **	-86.6636 **
912.5400	-13.0000	-86.6718 **	-88.5579 **
1064.6300	-13.0000	-62.6940 **	-61.9203 **
1216.7200	-13.0000	-61.6792 **	-61.2419 **
1368.8100	-13.0000	-61.4867 **	-60.6310 **
1520.9000	-13.0000	-60.4817 **	-59.9158 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

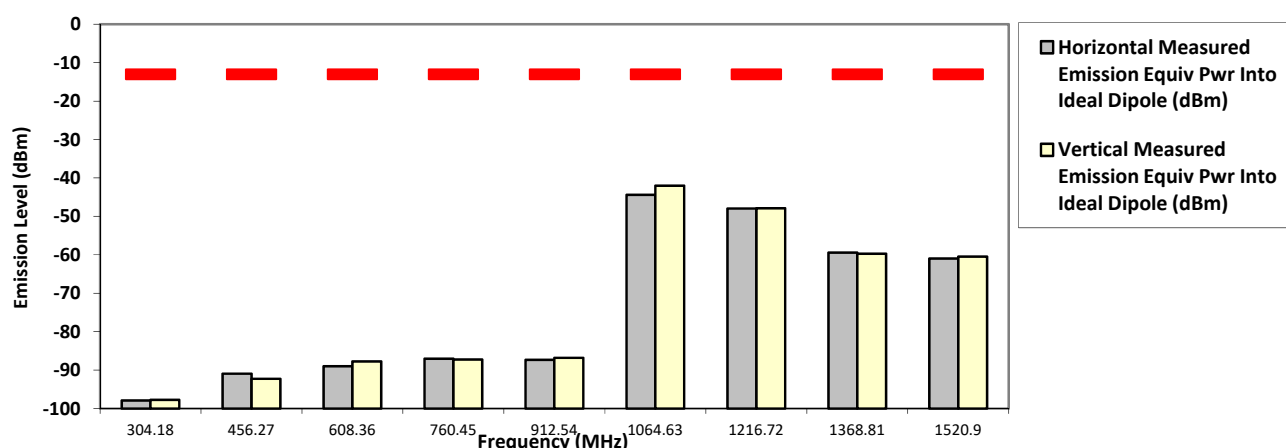
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX FSK
152.090000 MHz 25 kHz 110.000 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)
304.1800	-13.0000	-97.8969 **	-97.7338 **
456.2700	-13.0000	-90.9322 **	-92.2529 **
608.3600	-13.0000	-88.9950 **	-87.7139 **
760.4500	-13.0000	-87.0462 **	-87.2425 **
912.5400	-13.0000	-87.3316 **	-86.7854 **
1064.6300	-13.0000	-44.4100 *	-42.0200 *
1216.7200	-13.0000	-47.9400 *	-47.8800 *
1368.8100	-13.0000	-59.4175 **	-59.7049 **
1520.9000	-13.0000	-60.9720 **	-60.4638 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

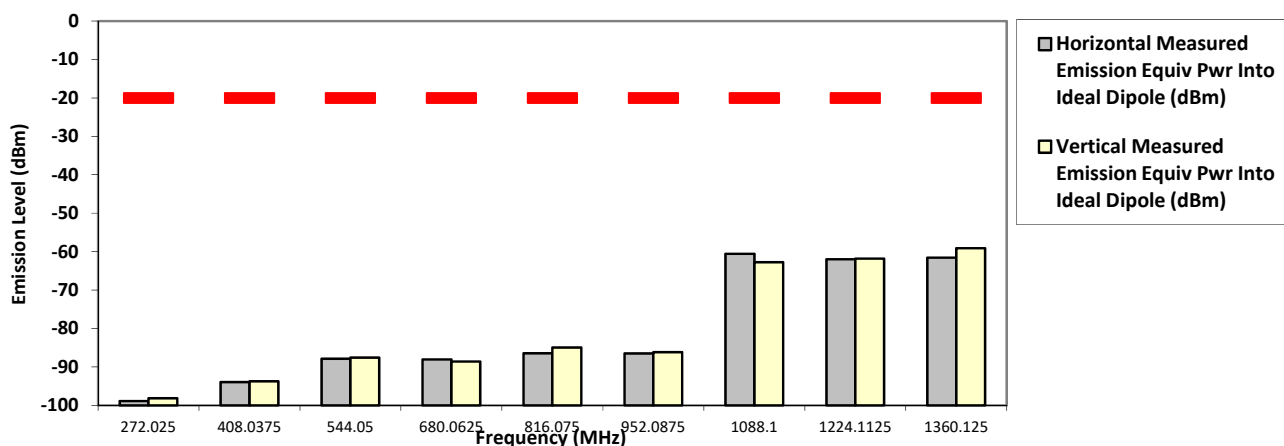
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
136.012500 MHz 12.5 kHz 2.000 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)
272.0250	-20.0000	-98.8712 **	-98.1372 **
408.0375	-20.0000	-93.9223 **	-93.7374 **
544.0500	-20.0000	-87.8383 **	-87.5723 **
680.0625	-20.0000	-88.0567 **	-88.5639 **
816.0750	-20.0000	-86.4222 **	-84.9269 **
952.0875	-20.0000	-86.4605 **	-86.1407 **
1088.1000	-20.0000	-60.5443 **	-62.7505 **
1224.1125	-20.0000	-61.9617 **	-61.8224 **
1360.1250	-20.0000	-61.5670 **	-59.1038 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Fri, Nov 22, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

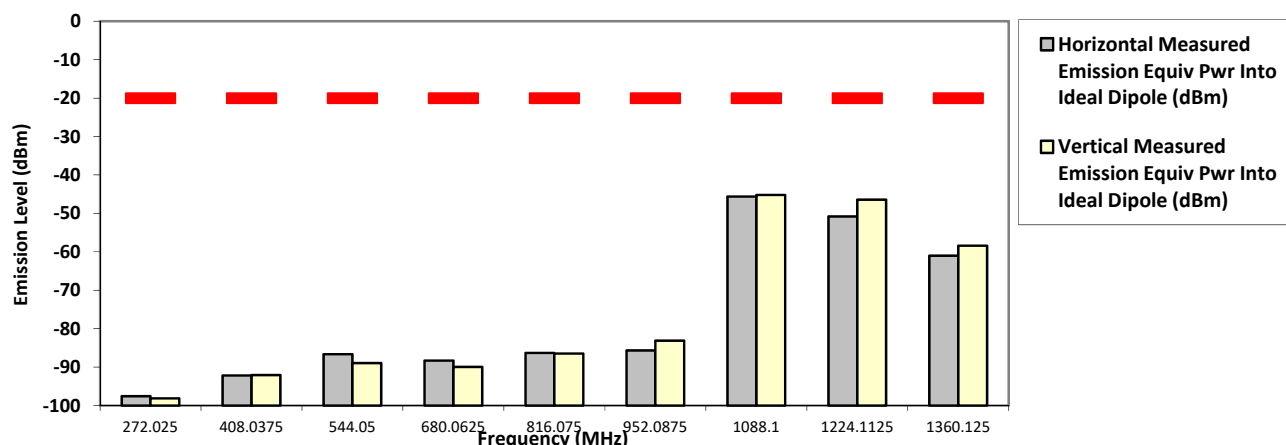
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX LSM
136.012500 MHz **12.5 kHz** **110.000 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)
272.0250	-20.0000	-97.5589 **	-98.1230 **
408.0375	-20.0000	-92.1880 **	-92.0721 **
544.0500	-20.0000	-86.6372 **	-88.9528 **
680.0625	-20.0000	-88.2932 **	-89.9534 **
816.0750	-20.0000	-86.3073 **	-86.4830 **
952.0875	-20.0000	-85.6629 **	-83.0939 **
1088.1000	-20.0000	-45.5900 *	-45.2000 *
1224.1125	-20.0000	-50.7900 *	-46.4000 *
1360.1250	-20.0000	-60.9872 **	-58.4247 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

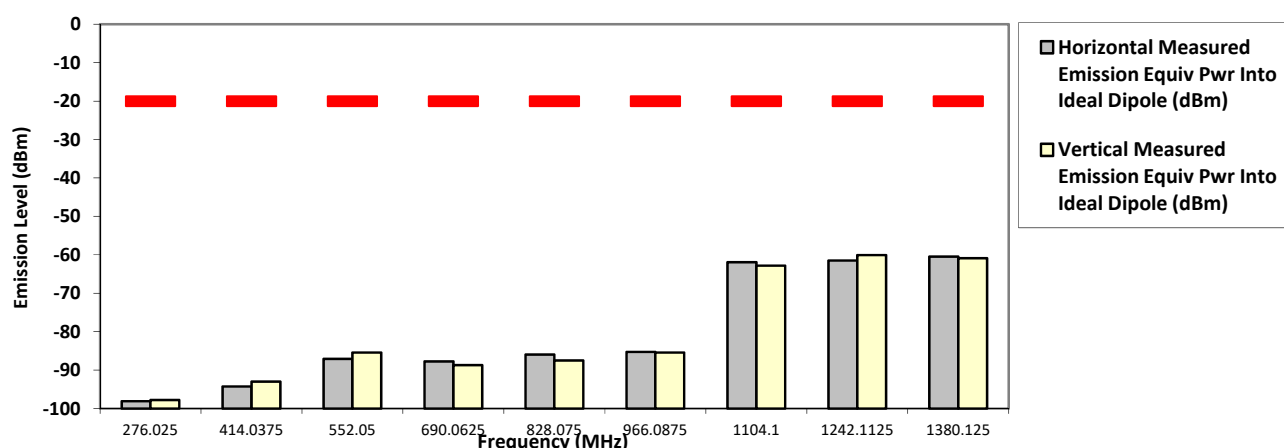
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
138.012500 MHz 12.5 kHz 2.000 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)
276.0250	-20.0000	-98.0949 **	-97.7879 **
414.0375	-20.0000	-94.2482 **	-93.0025 **
552.0500	-20.0000	-87.0894 **	-85.4146 **
690.0625	-20.0000	-87.7236 **	-88.6876 **
828.0750	-20.0000	-85.9576 **	-87.4785 **
966.0875	-20.0000	-85.2577 **	-85.4261 **
1104.1000	-20.0000	-61.9365 **	-62.8120 **
1242.1125	-20.0000	-61.4824 **	-60.0653 **
1380.1250	-20.0000	-60.4645 **	-60.8659 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Fri, Nov 22, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

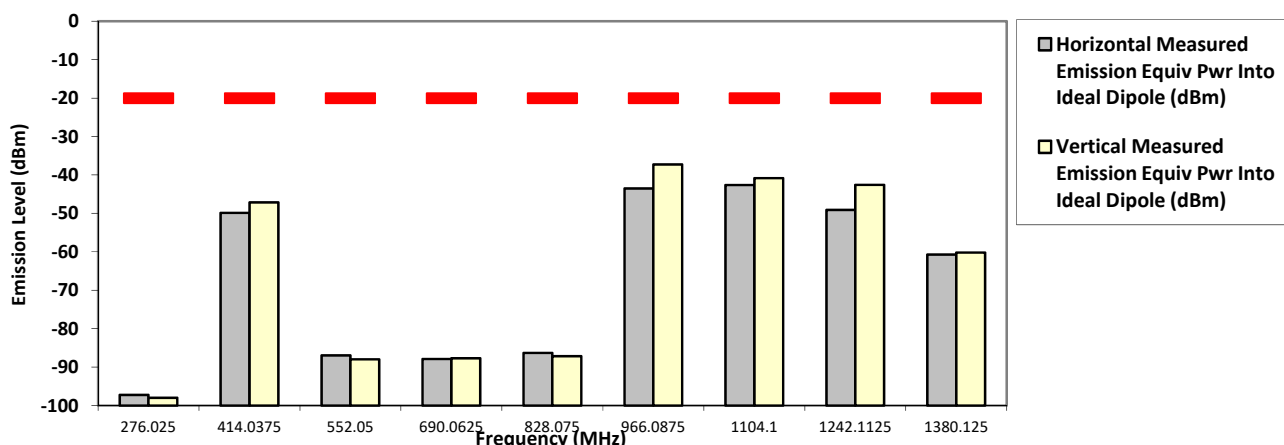
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX LSM
138.012500 MHz **12.5 kHz** **110.000 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)
276.0250	-20.0000	-97.2280 **	-97.9711 **
414.0375	-20.0000	-49.8600 *	-47.1300 *
552.0500	-20.0000	-86.9496 **	-87.9857 **
690.0625	-20.0000	-87.8802 **	-87.6939 **
828.0750	-20.0000	-86.3152 **	-87.1574 **
966.0875	-20.0000	-43.5000 *	-37.2600
1104.1000	-20.0000	-42.6000 *	-40.8500 *
1242.1125	-20.0000	-49.1000 *	-42.5700 *
1380.1250	-20.0000	-60.7203 **	-60.1848 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

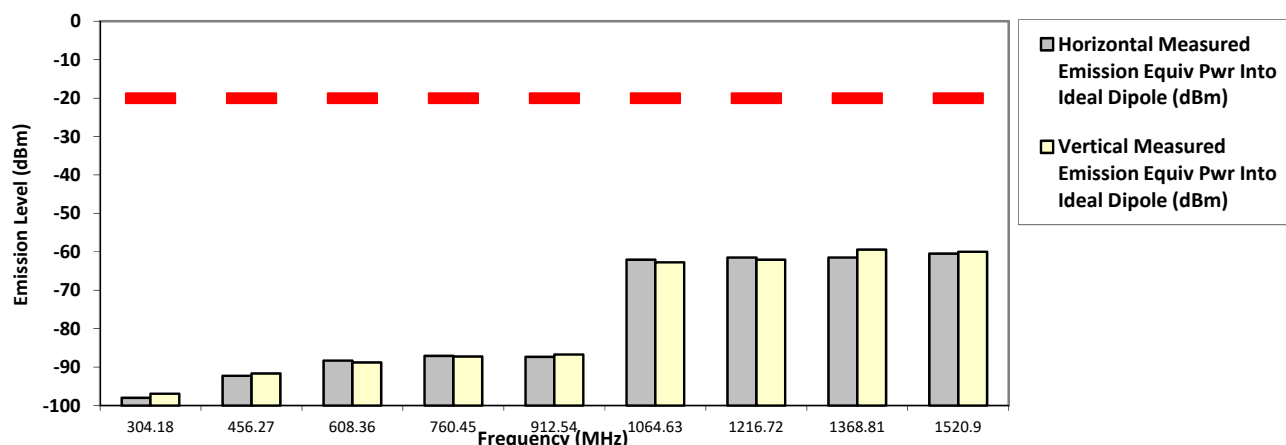
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
152.090000 MHz 12.5 kHz 2.000 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)
304.1800	-20.0000	-97.9813 **	-96.9102 **
456.2700	-20.0000	-92.2802 **	-91.6606 **
608.3600	-20.0000	-88.2968 **	-88.7712 **
760.4500	-20.0000	-87.0990 **	-87.2411 **
912.5400	-20.0000	-87.3177 **	-86.7310 **
1064.6300	-20.0000	-62.0414 **	-62.7598 **
1216.7200	-20.0000	-61.4658 **	-62.0583 **
1368.8100	-20.0000	-61.4666 **	-59.4156 **
1520.9000	-20.0000	-60.4842 **	-59.9873 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Fri, Nov 22, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

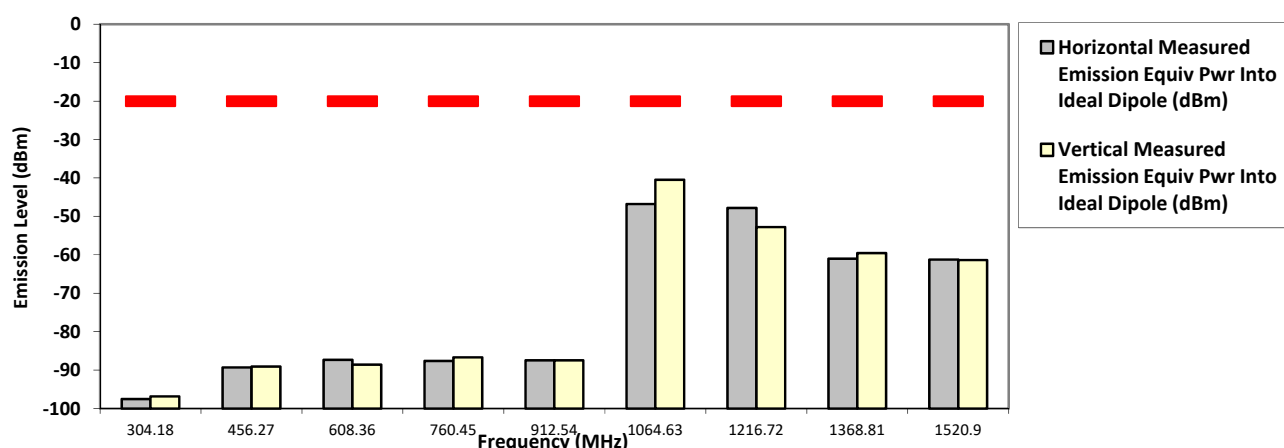
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
152.090000 MHz 12.5 kHz 110.000 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)
304.1800	-20.0000	-97.5232 **	-96.8586 **
456.2700	-20.0000	-89.3228 **	-89.0779 **
608.3600	-20.0000	-87.3304 **	-88.5789 **
760.4500	-20.0000	-87.6004 **	-86.6564 **
912.5400	-20.0000	-87.4350 **	-87.4499 **
1064.6300	-20.0000	-46.7800 *	-40.4500 *
1216.7200	-20.0000	-47.8100 *	-52.7800 *
1368.8100	-20.0000	-60.9887 **	-59.5603 **
1520.9000	-20.0000	-61.2263 **	-61.3755 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

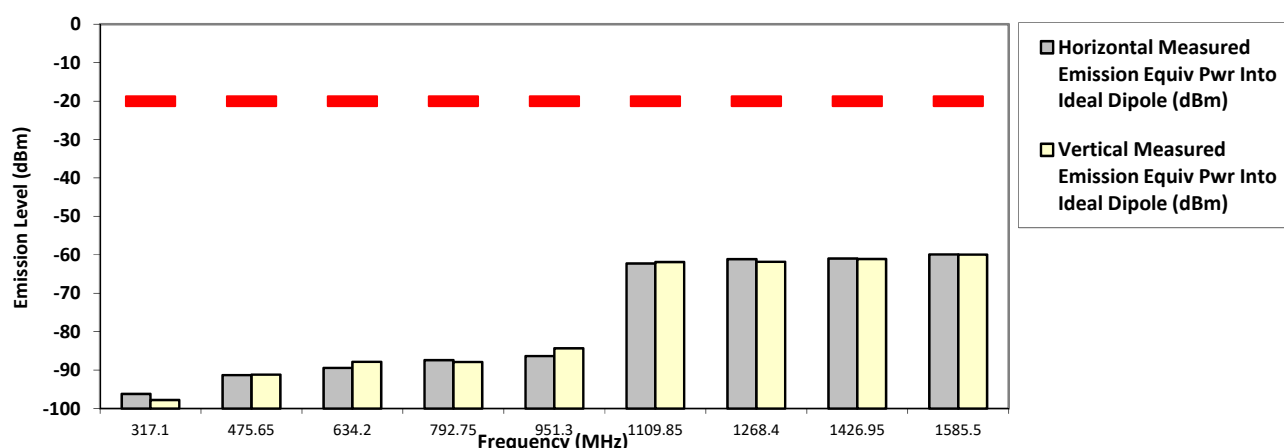
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
158.550000 MHz 12.5 kHz 2.000 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)
317.1000	-20.0000	-96.1964 **	-97.7681 **
475.6500	-20.0000	-91.2837 **	-91.1585 **
634.2000	-20.0000	-89.4393 **	-87.8418 **
792.7500	-20.0000	-87.3946 **	-87.8758 **
951.3000	-20.0000	-86.3683 **	-84.3421 **
1109.8500	-20.0000	-62.2634 **	-61.8886 **
1268.4000	-20.0000	-61.1230 **	-61.8192 **
1426.9500	-20.0000	-60.9511 **	-61.0874 **
1585.5000	-20.0000	-59.8973 **	-59.9307 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Fri, Nov 22, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

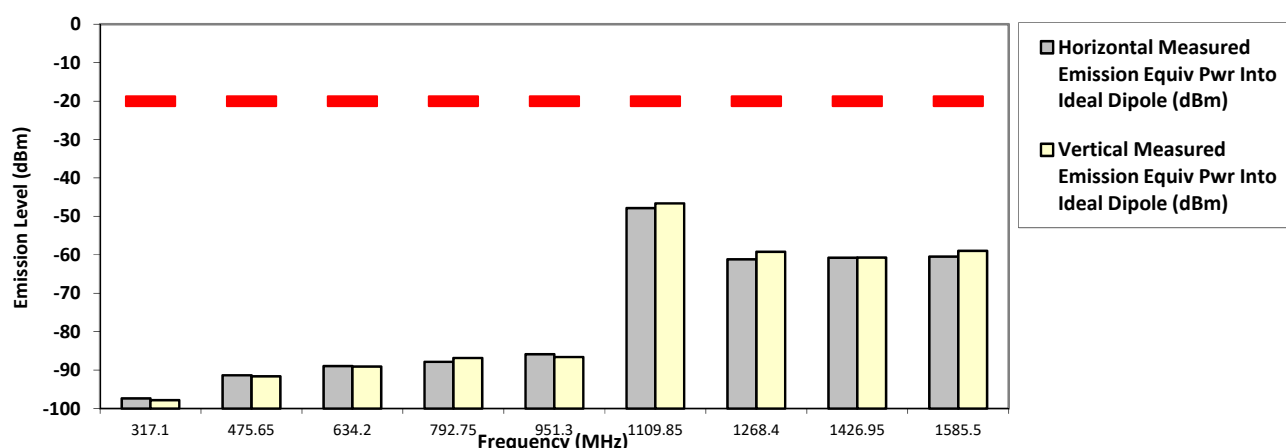
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX LSM
158.550000 MHz **12.5 kHz** **50.000 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)
317.1000	-20.0000	-97.3717 **	-97.8300 **
475.6500	-20.0000	-91.3527 **	-91.6329 **
634.2000	-20.0000	-88.9387 **	-89.0835 **
792.7500	-20.0000	-87.8627 **	-86.8564 **
951.3000	-20.0000	-85.8577 **	-86.5871 **
1109.8500	-20.0000	-47.8500 *	-46.6200 *
1268.4000	-20.0000	-61.1545 **	-59.2255 **
1426.9500	-20.0000	-60.7650 **	-60.7218 **
1585.5000	-20.0000	-60.4538 **	-58.9930 **

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 Sun, Feb 23, 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): 23.2 Hum(%RH): 70.5

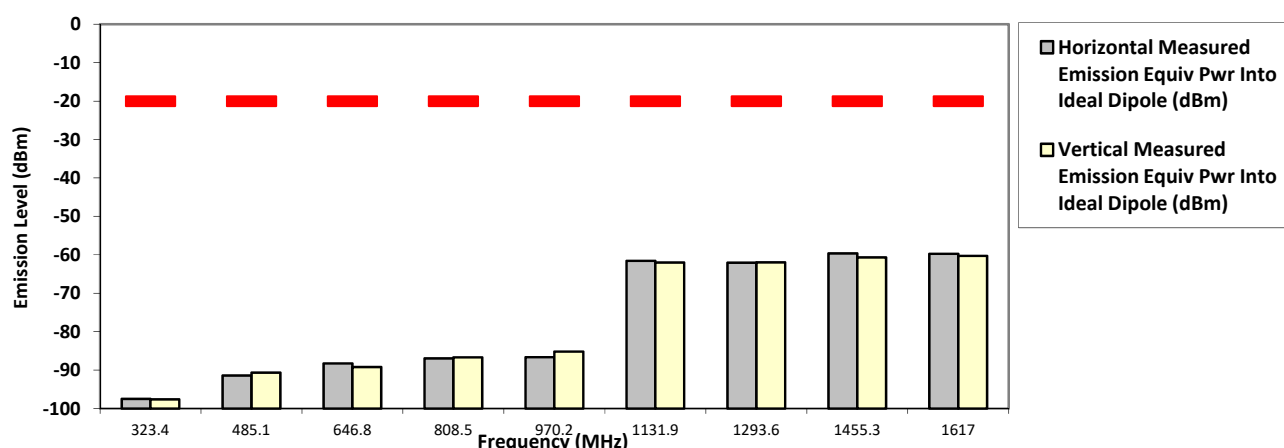
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
161.700000 MHz 12.5 kHz 2.000 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)
323.4000	-20.0000	-97.4837 **	-97.6154 **
485.1000	-20.0000	-91.4328 **	-90.6586 **
646.8000	-20.0000	-88.2622 **	-89.1708 **
808.5000	-20.0000	-86.9511 **	-86.6558 **
970.2000	-20.0000	-86.6464 **	-85.1733 **
1131.9000	-20.0000	-61.5632 **	-61.9966 **
1293.6000	-20.0000	-62.0676 **	-61.9730 **
1455.3000	-20.0000	-59.6196 **	-60.6572 **
1617.0000	-20.0000	-59.7312 **	-60.2755 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Fri, Nov 22, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

System MU: 4.03 dB

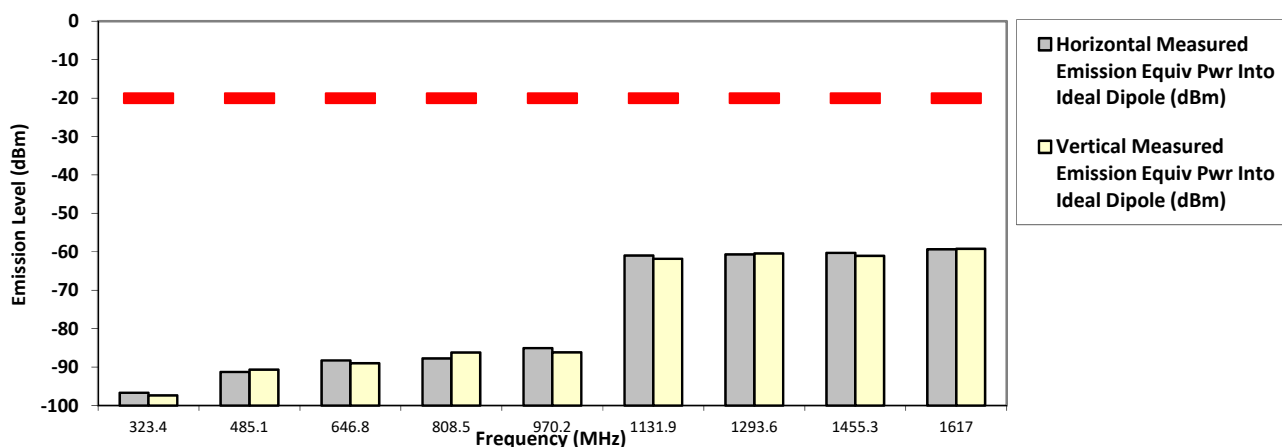
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX LSM
161.700000 MHz 12.5 kHz 110.000 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)
323.4000	-20.0000	-96.6629 **	-97.3517 **
485.1000	-20.0000	-91.2693 **	-90.6491 **
646.8000	-20.0000	-88.2727 **	-88.9835 **
808.5000	-20.0000	-87.7153 **	-86.1915 **
970.2000	-20.0000	-85.0625 **	-86.1474 **
1131.9000	-20.0000	-60.9646 **	-61.7904 **
1293.6000	-20.0000	-60.6573 **	-60.4345 **
1455.3000	-20.0000	-60.2762 **	-61.0547 **
1617.0000	-20.0000	-59.3397 **	-59.2098 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Azil Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

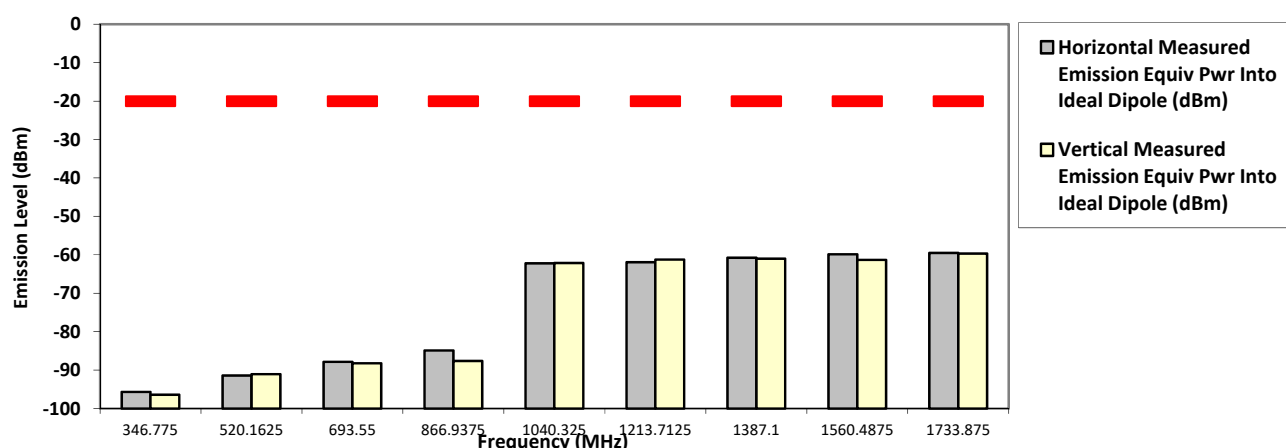
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX LSM
173.387500 MHz **12.5 kHz** **2.000 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)
346.7750	-20.0000	-95.6505 **	-96.3875 **
520.1625	-20.0000	-91.4088 **	-91.0429 **
693.5500	-20.0000	-87.8500 **	-88.2266 **
866.9375	-20.0000	-84.8775 **	-87.5999 **
1040.3250	-20.0000	-62.2289 **	-62.1271 **
1213.7125	-20.0000	-61.9315 **	-61.2620 **
1387.1000	-20.0000	-60.7416 **	-60.9879 **
1560.4875	-20.0000	-59.8470 **	-61.3240 **
1733.8750	-20.0000	-59.4895 **	-59.6761 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Fri, Nov 22, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

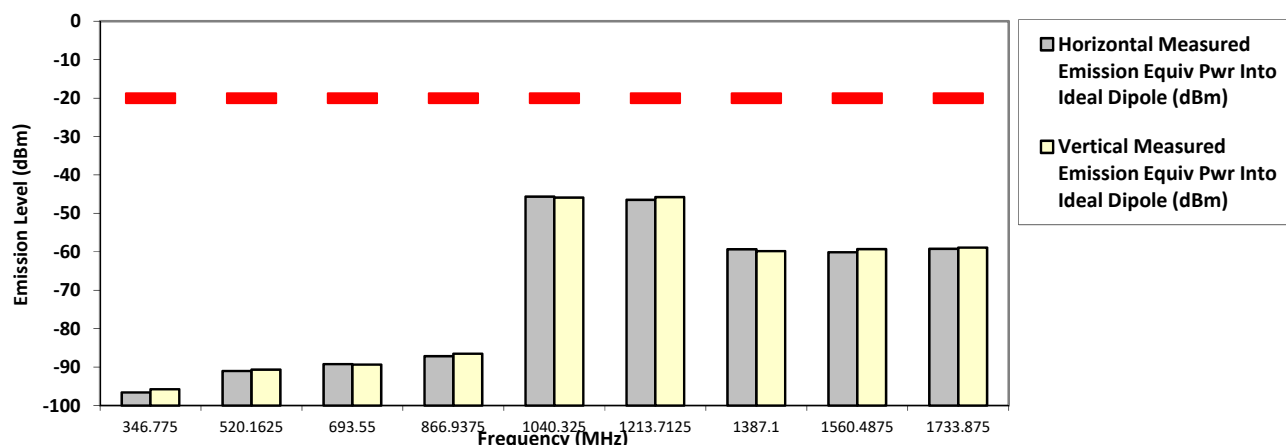
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX LSM
173.387500 MHz **12.5 kHz** **110.000 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)
346.7750	-20.0000	-96.5861 **	-95.7502 **
520.1625	-20.0000	-91.0215 **	-90.6490 **
693.5500	-20.0000	-89.2307 **	-89.3311 **
866.9375	-20.0000	-87.1775 **	-86.5140 **
1040.3250	-20.0000	-45.6500 *	-45.8800 *
1213.7125	-20.0000	-46.4600 *	-45.7600 *
1387.1000	-20.0000	-59.3427 **	-59.8339 **
1560.4875	-20.0000	-60.0941 **	-59.2920 **
1733.8750	-20.0000	-59.2031 **	-58.8969 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

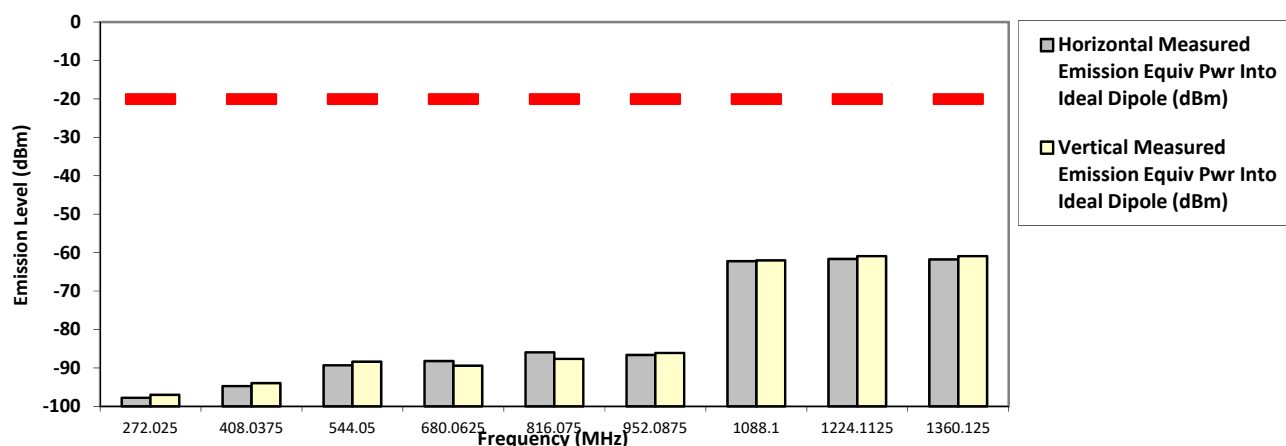
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Phase II (HDQPSK)
136.012500 MHz 12.5 kHz 2.000 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)
272.0250	-20.0000	-97.7565 **	-97.0118 **
408.0375	-20.0000	-94.7187 **	-93.9694 **
544.0500	-20.0000	-89.3038 **	-88.3868 **
680.0625	-20.0000	-88.2341 **	-89.4371 **
816.0750	-20.0000	-85.9311 **	-87.6365 **
952.0875	-20.0000	-86.6255 **	-86.1132 **
1088.1000	-20.0000	-62.2330 **	-62.0060 **
1224.1125	-20.0000	-61.6433 **	-60.9049 **
1360.1250	-20.0000	-61.7780 **	-60.9337 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

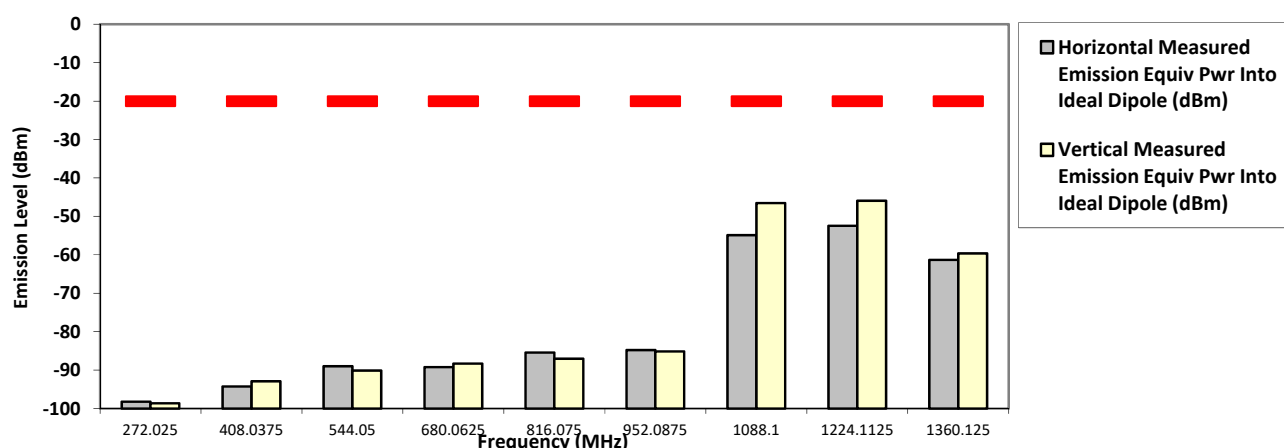
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Phase II (HDQPSK)
136.012500 MHz 12.5 kHz 110.000 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)
272.0250	-20.0000	-98.2089 **	-98.6227 **
408.0375	-20.0000	-94.2480 **	-92.9109 **
544.0500	-20.0000	-88.9820 **	-90.1263 **
680.0625	-20.0000	-89.2353 **	-88.3107 **
816.0750	-20.0000	-85.4378 **	-87.0196 **
952.0875	-20.0000	-84.7789 **	-85.1305 **
1088.1000	-20.0000	-54.8800 *	-46.5300 *
1224.1125	-20.0000	-52.4500 *	-45.9500 *
1360.1250	-20.0000	-61.3080 **	-59.6281 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

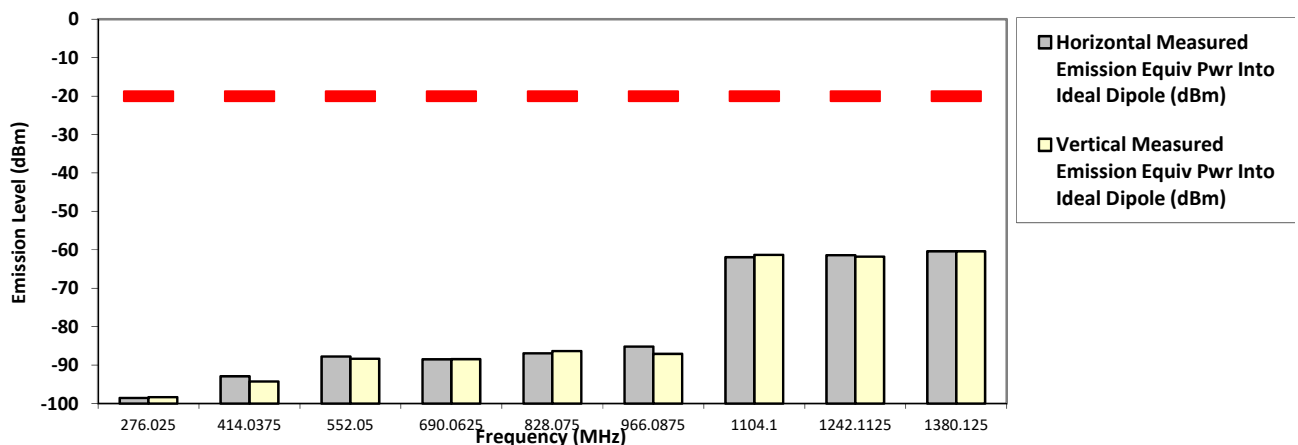
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Phase II (HDQPSK)
138.012500 MHz **12.5 kHz** **2.000 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)
276.0250	-20.0000	-98.5593 **	-98.3317 **
414.0375	-20.0000	-92.9004 **	-94.2530 **
552.0500	-20.0000	-87.7614 **	-88.3514 **
690.0625	-20.0000	-88.4810 **	-88.4524 **
828.0750	-20.0000	-86.9293 **	-86.3496 **
966.0875	-20.0000	-85.1794 **	-87.0688 **
1104.1000	-20.0000	-61.9110 **	-61.3371 **
1242.1125	-20.0000	-61.3897 **	-61.7559 **
1380.1250	-20.0000	-60.3903 **	-60.4094 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

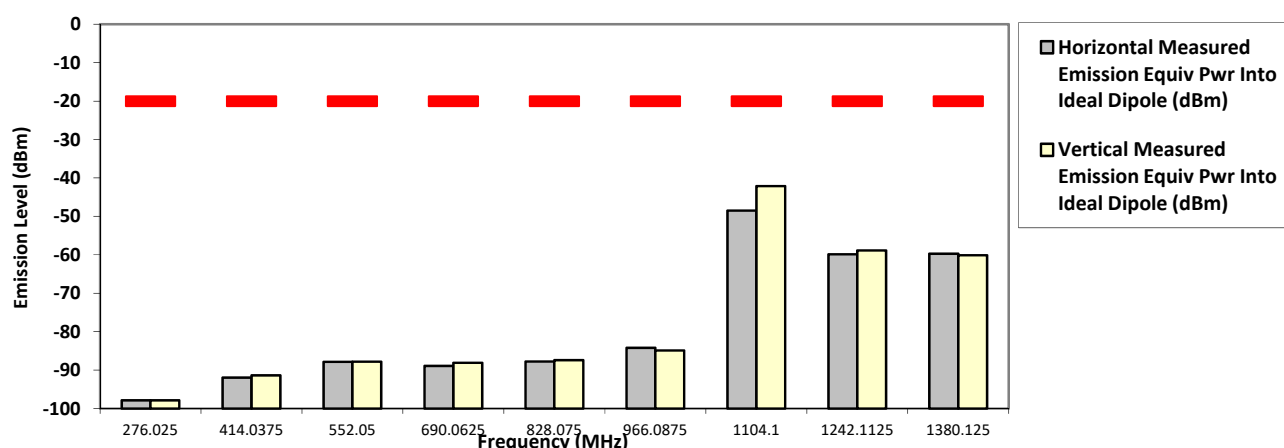
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Phase II (HDQPSK)
138.012500 MHz 12.5 kHz 110.000 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)
276.0250	-20.0000	-97.8733 **	-97.8475 **
414.0375	-20.0000	-91.9396 **	-91.3598 **
552.0500	-20.0000	-87.8684 **	-87.8238 **
690.0625	-20.0000	-88.9120 **	-88.0746 **
828.0750	-20.0000	-87.7786 **	-87.4080 **
966.0875	-20.0000	-84.2134 **	-84.8892 **
1104.1000	-20.0000	-48.4900 *	-42.1100 *
1242.1125	-20.0000	-59.8769 **	-58.8661 **
1380.1250	-20.0000	-59.7003 **	-60.1089 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

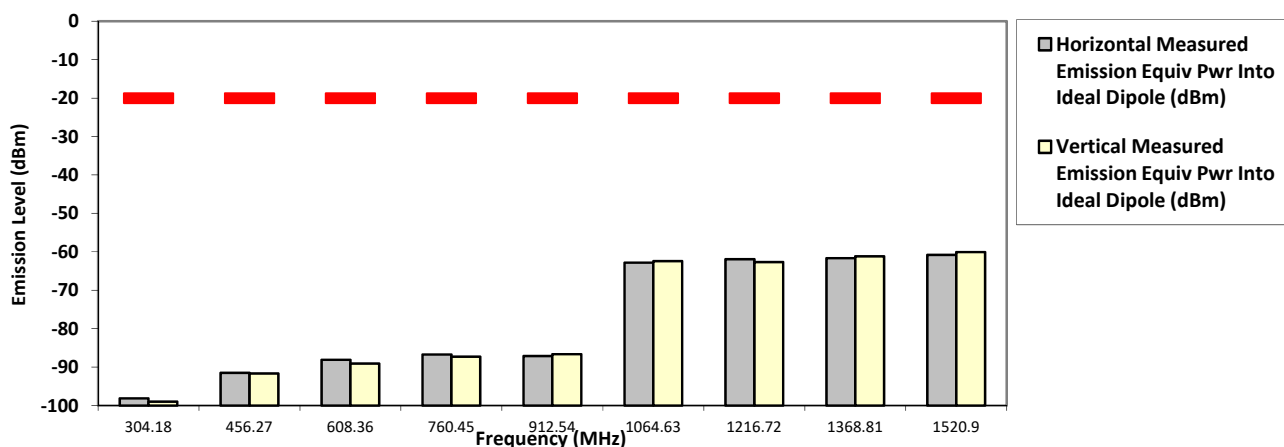
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Phase II (HDQPSK)
152.090000 MHz **12.5 kHz** **2.000 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)
304.1800	-20.0000	-98.1308 **	-98.9905 **
456.2700	-20.0000	-91.4771 **	-91.6713 **
608.3600	-20.0000	-88.0900 **	-89.0453 **
760.4500	-20.0000	-86.6974 **	-87.3007 **
912.5400	-20.0000	-87.1066 **	-86.6507 **
1064.6300	-20.0000	-62.8188 **	-62.4306 **
1216.7200	-20.0000	-61.9472 **	-62.6423 **
1368.8100	-20.0000	-61.6581 **	-61.1407 **
1520.9000	-20.0000	-60.8005 **	-60.0761 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Nov 23, 2019

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

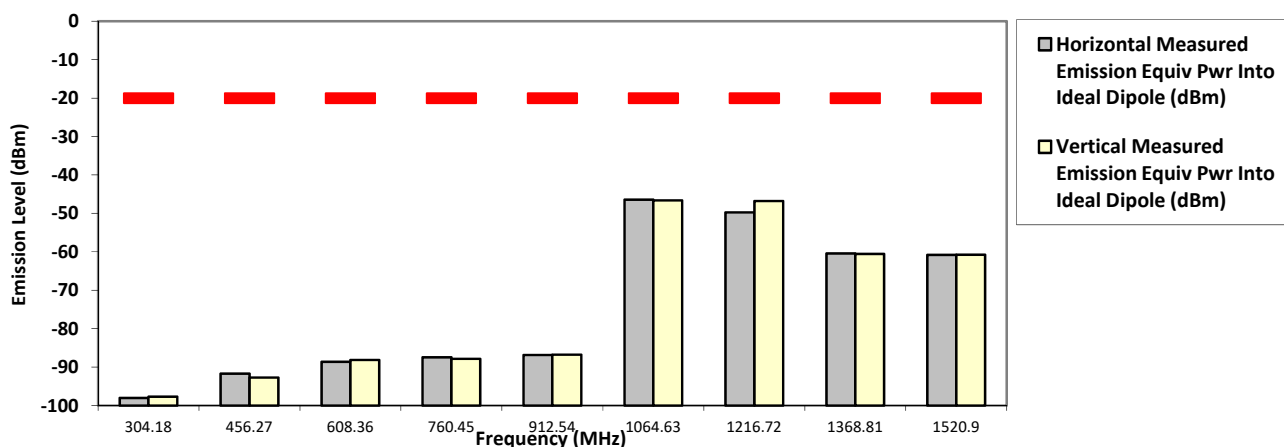
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Phase II (HDQPSK)
152.090000 MHz 12.5 kHz 110.000 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)
304.1800	-20.0000	-98.0240 **	-97.7016 **
456.2700	-20.0000	-91.6960 **	-92.6977 **
608.3600	-20.0000	-88.6078 **	-88.1356 **
760.4500	-20.0000	-87.4404 **	-87.8638 **
912.5400	-20.0000	-86.8333 **	-86.7399 **
1064.6300	-20.0000	-46.4300 *	-46.6400 *
1216.7200	-20.0000	-49.7200 *	-46.7800 *
1368.8100	-20.0000	-60.4193 **	-60.5593 **
1520.9000	-20.0000	-60.8064 **	-60.7367 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

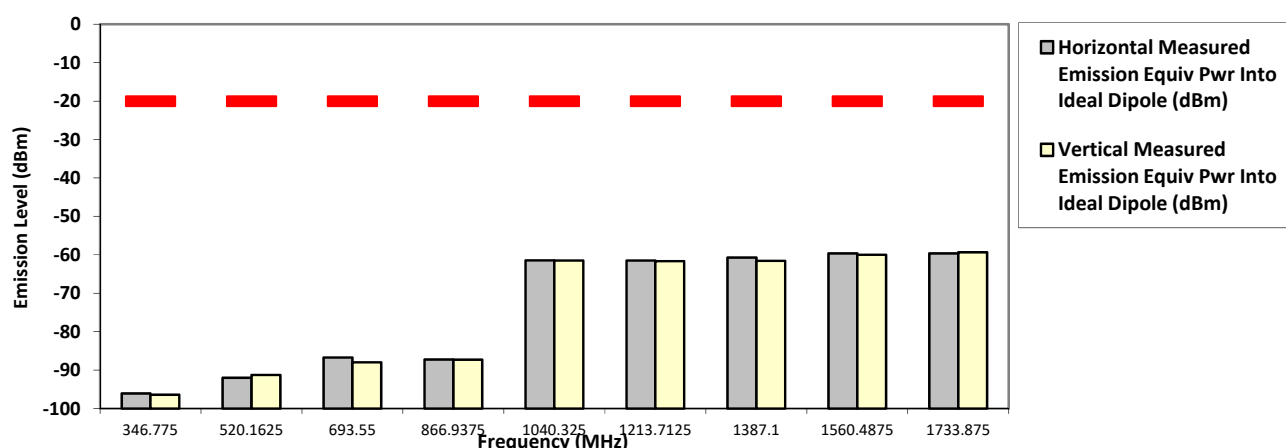
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: T7039A **S/N: 123XXX1235** **SR:18967-EMC-00008**
Battery Part No: NA **Accy Part No: 3082933N20-C3**
Test Mode: TX Phase II (HDQPSK)
173.387500 MHz **12.5 kHz** **2.000 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)
346.7750	-20.0000	-96.0849 **	-96.4061 **
520.1625	-20.0000	-91.9992 **	-91.2595 **
693.5500	-20.0000	-86.7111 **	-87.9631 **
866.9375	-20.0000	-87.2223 **	-87.2734 **
1040.3250	-20.0000	-61.4410 **	-61.4743 **
1213.7125	-20.0000	-61.4903 **	-61.6492 **
1387.1000	-20.0000	-60.7091 **	-61.5569 **
1560.4875	-20.0000	-59.6324 **	-59.9981 **
1733.8750	-20.0000	-59.6221 **	-59.3458 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Nov 23, 2019

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
Temp(Deg): 23.4 Hum(%RH): 70.6

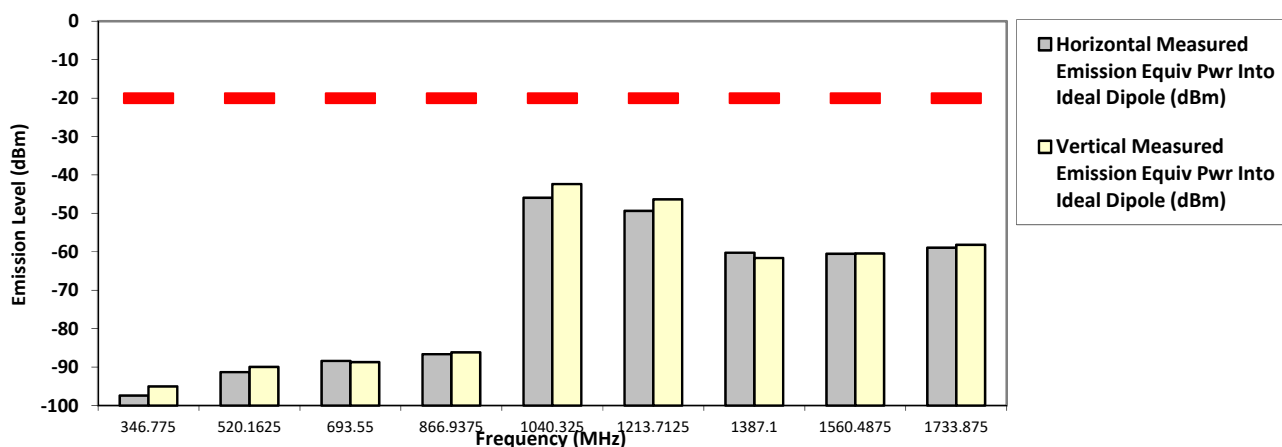
System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: T7039A S/N: 123XXX1235 SR:18967-EMC-00008
Battery Part No: NA Accy Part No: 3082933N20-C3
Test Mode: TX Phase II (HDQPSK)
173.387500 MHz 12.5 kHz 110.000 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)
346.7750	-20.0000	-97.3989 **	-95.0361 **
520.1625	-20.0000	-91.3039 **	-89.9478 **
693.5500	-20.0000	-88.3684 **	-88.6837 **
866.9375	-20.0000	-86.6324 **	-86.1652 **
1040.3250	-20.0000	-45.9500 *	-42.3500 *
1213.7125	-20.0000	-49.3200 *	-46.3300 *
1387.1000	-20.0000	-60.2373 **	-61.5900 **
1560.4875	-20.0000	-60.5329 **	-60.4439 **
1733.8750	-20.0000	-58.9497 **	-58.1706 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by: Nazrin&Qawiman Sat, Feb 22, 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): 22.8 Hum(%RH): 69.8

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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6.11.3. Test Limit

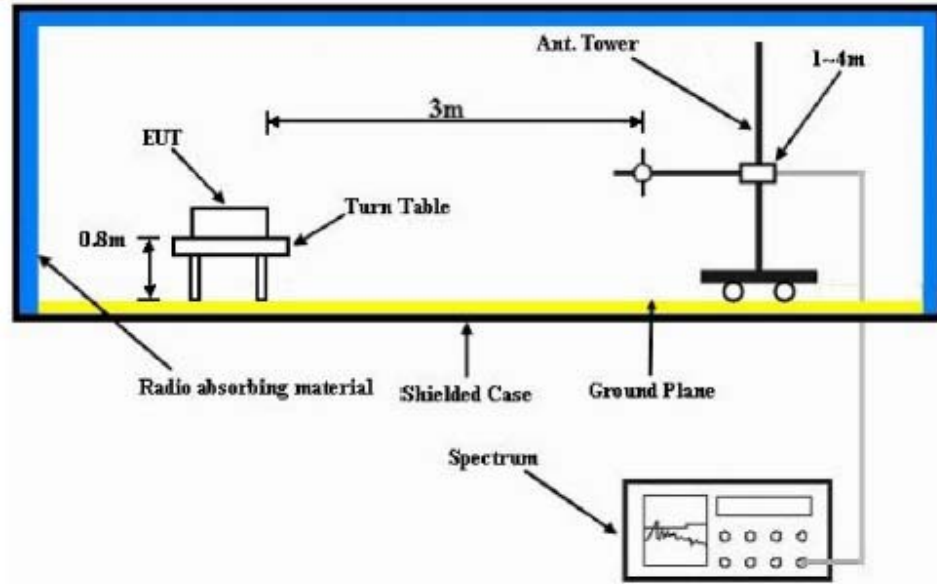
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

Channel Spacing	Part 22	Part 24D	Part 74	Part 80	Part 90 (UHF, VHF, 800, 900)	Part 90 (700)
12.5kHz	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz		Not Applicable		43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

Channel Spacing	RSS 134	RSS 182	RSS 119 (UHF, VHF, 800, 900)	RSS 119 (700)
12.5kHz	43 + log10(P) (-13 dBm)	Not Applicable	50 + log10(P) (-20 dBm)	43 + log10(P) (-13 dBm)
25kHz	Not Applicable	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)	43 + log10(P) (-13 dBm)

6.12. Effective Radiated Power (ERP)

6.12.1. Test Setup



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

6.12.2. Test Result

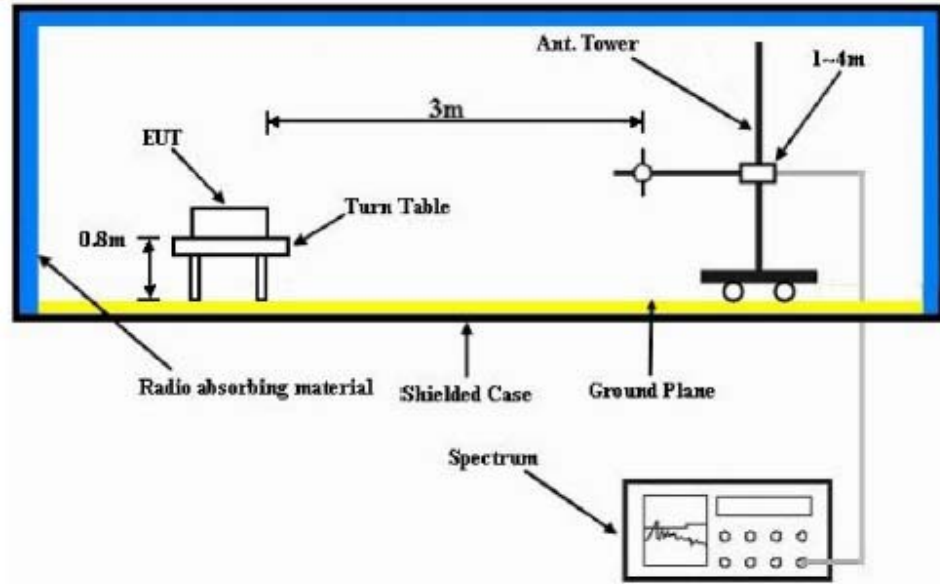
NA → Not Applicable

6.12.3. Test Limit

The maximum output power of the transmitter for mobile stations is 100 watts (20 dB). Power is given in terms of effective radiated power (ERP).

6.13. GNSS (EIRP for 1559 - 1610MHz)

6.13.1. Test Setup



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

6.13.2. Test Result

NA → Not Applicable

6.13.3. Test Limit

For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

~ End of Report ~