

6.10.4. Test Limit

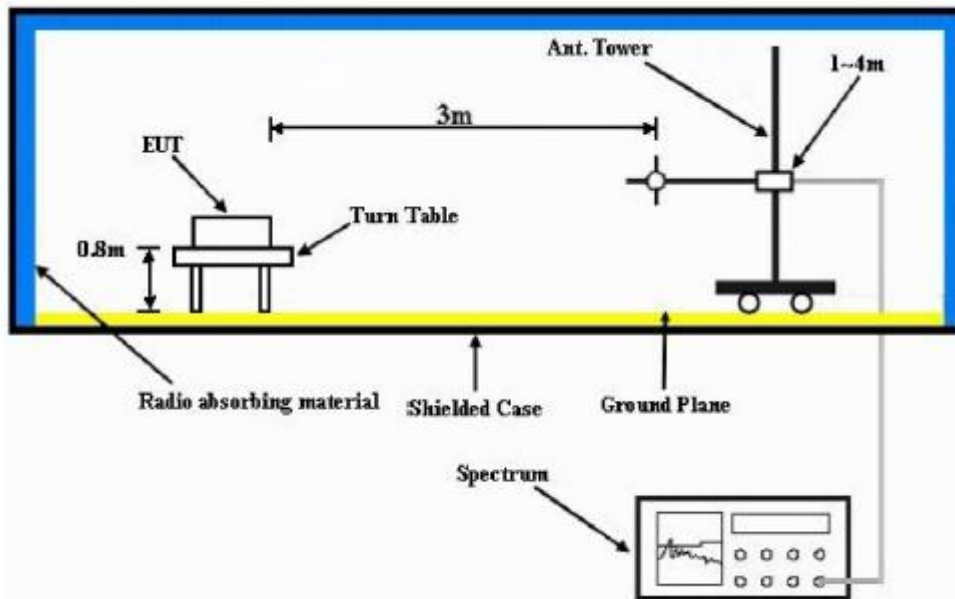
Table below summarized the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least

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

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

6.11. Radiated Spurious Emission

6.11.1. Test Setup



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

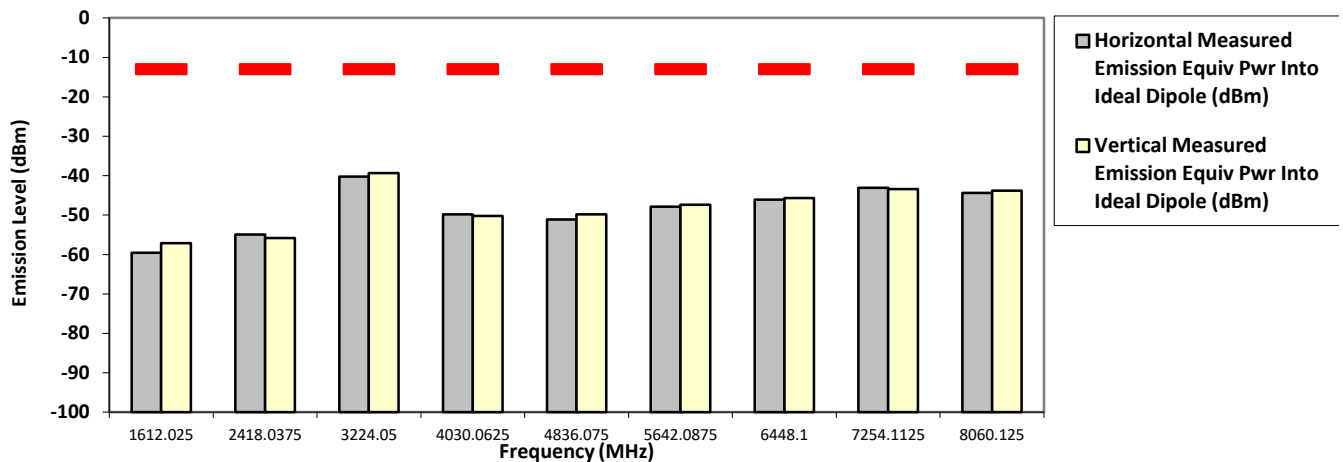
6.11.2. Test Result (Analog)

Model Number: M25VRS9PW1BN **SAC Transmitter Radiated Emission:** S/N: 471TXB1946 **SR:**24823-EMC-00015
Battery Part No: NA **Accy Part No:** HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13
Test Mode: TX Analog **25 kHz** **42.000 Watt(s) /Max Power**

806.012500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-59.5138 **	-57.1111 **
2418.0375	-13.0000	-54.9434 **	-55.8009 **
3224.0500	-13.0000	-40.1900 *	-39.3000 *
4030.0625	-13.0000	-49.8042 **	-50.2361 **
4836.0750	-13.0000	-51.1289 **	-49.7859 **
5642.0875	-13.0000	-47.8671 **	-47.3892 **
6448.1000	-13.0000	-46.0634 **	-45.6621 **
7254.1125	-13.0000	-43.0935 **	-43.4288 **
8060.1250	-13.0000	-44.3741 **	-43.8132 **

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, 28 Jan, 2021

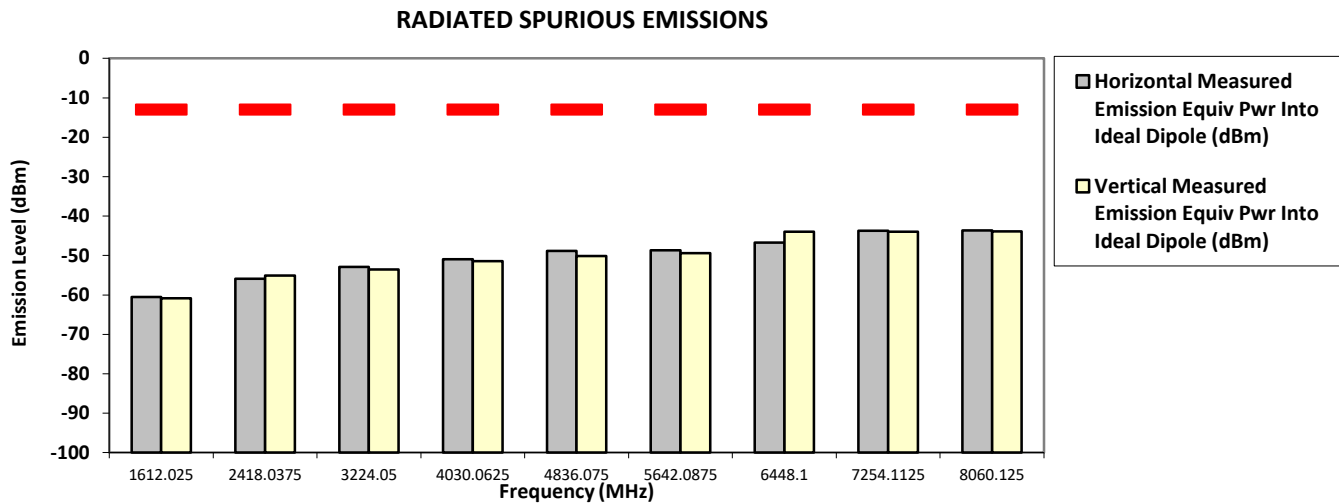
Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:
Model Number: M25VRS9PW1BN **S/N: 471TXB1946** **SR:24823-EMC-00015**
Battery Part No: NA **Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13**
Test Mode: TX Analog
806.012500 MHz **25 kHz** **3.000 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)
1612.0250	-13.0000	-60.5515 **	-60.8536 **
2418.0375	-13.0000	-55.9331 **	-55.0807 **
3224.0500	-13.0000	-52.8747 **	-53.5396 **
4030.0625	-13.0000	-50.9177 **	-51.4563 **
4836.0750	-13.0000	-48.8358 **	-50.1404 **
5642.0875	-13.0000	-48.6948 **	-49.4340 **
6448.1000	-13.0000	-46.6806 **	-43.9740 **
7254.1125	-13.0000	-43.7277 **	-43.9929 **
8060.1250	-13.0000	-43.6579 **	-43.8609 **



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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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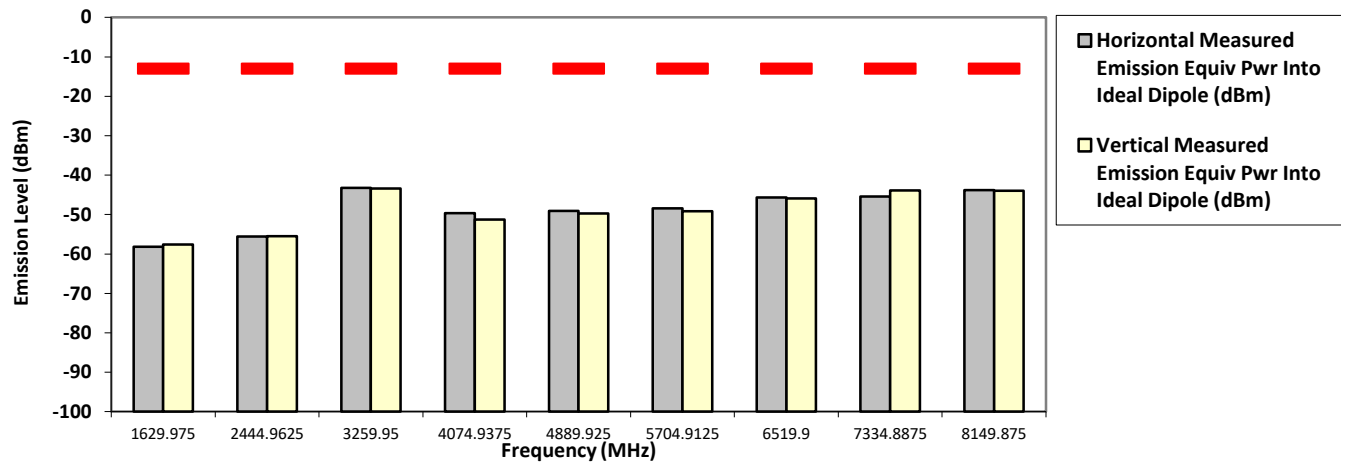
Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 25 kHz
 42.000 Watt(s) /Max Power

814.987500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-58.1270 **	-57.5858 **
2444.9625	-13.0000	-55.5974 **	-55.5091 **
3259.9500	-13.0000	-43.1900 *	-43.3800 *
4074.9375	-13.0000	-49.6581 **	-51.2596 **
4889.9250	-13.0000	-49.0833 **	-49.7637 **
5704.9125	-13.0000	-48.4280 **	-49.1814 **
6519.9000	-13.0000	-45.6902 **	-45.9415 **
7334.8875	-13.0000	-45.4119 **	-43.8793 **
8149.8750	-13.0000	-43.7743 **	-43.9260 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

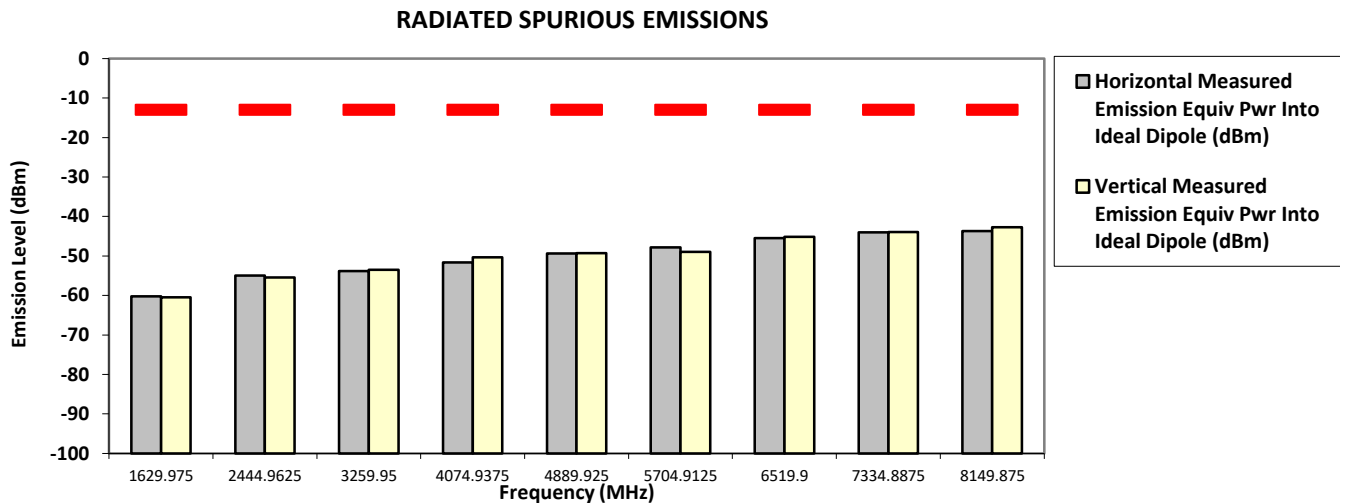
System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M25VRS9PW1BN **S/N: 471TXB1946** **SR:24823-EMC-00015**
Battery Part No: NA **Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13**
Test Mode: TX Analog
814.9875 MHz **25 kHz** **3.000 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)
1629.9750	-13.0000	-60.2426 **	-60.4896 **
2444.9625	-13.0000	-54.9587 **	-55.4478 **
3259.9500	-13.0000	-53.8301 **	-53.4639 **
4074.9375	-13.0000	-51.5919 **	-50.3226 **
4889.9250	-13.0000	-49.3368 **	-49.2480 **
5704.9125	-13.0000	-47.8022 **	-48.9302 **
6519.9000	-13.0000	-45.4717 **	-45.1871 **
7334.8875	-13.0000	-43.9959 **	-43.9443 **
8149.8750	-13.0000	-43.6812 **	-42.6821 **



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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 SR:24823-EMC-00015
 42.000 Watt(s) /Max Power

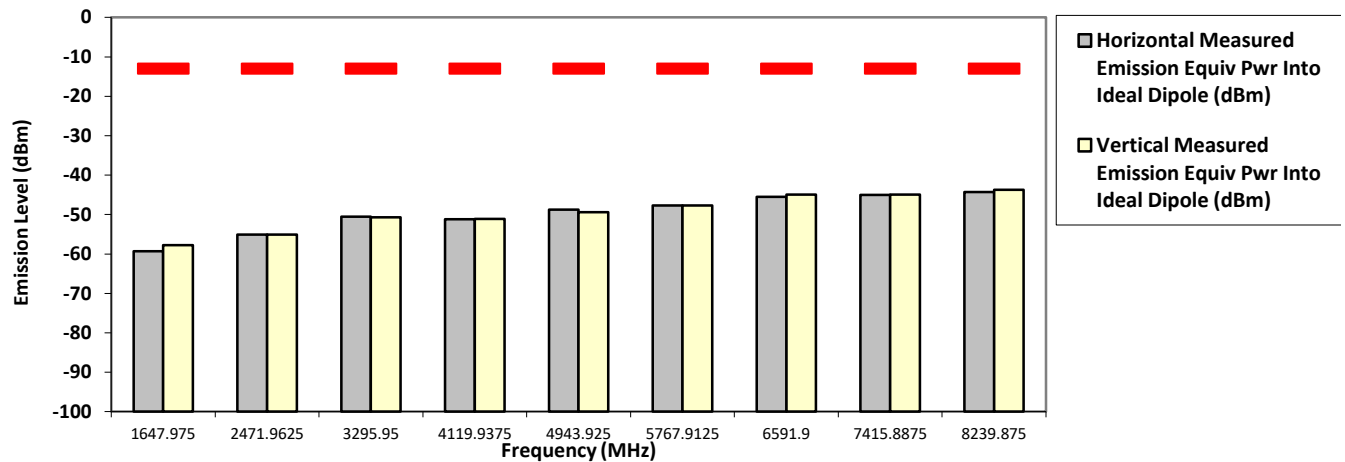
823.9875 MHz

25 kHz

42.000 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)
1647.9750	-13.0000	-59.3293 **	-57.7515 **
2471.9625	-13.0000	-55.1216 **	-55.0730 **
3295.9500	-13.0000	-50.5302 **	-50.6760 **
4119.9375	-13.0000	-51.1830 **	-51.1281 **
4943.9250	-13.0000	-48.7579 **	-49.3923 **
5767.9125	-13.0000	-47.6915 **	-47.6549 **
6591.9000	-13.0000	-45.4682 **	-44.9007 **
7415.8875	-13.0000	-45.0022 **	-44.9426 **
8239.8750	-13.0000	-44.2732 **	-43.7497 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 SR:24823-EMC-00015
 3.000 Watt(s) /Low Power

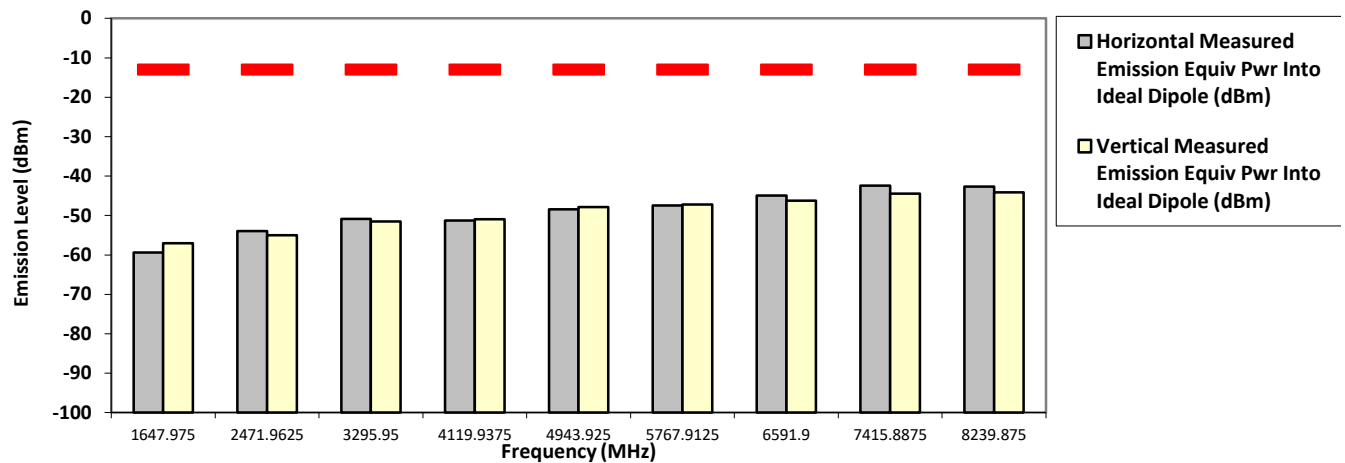
823.9875 MHz

25 kHz

3.000 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)
1647.9750	-13.0000	-59.3789 **	-57.0456 **
2471.9625	-13.0000	-53.9675 **	-54.9651 **
3295.9500	-13.0000	-50.8870 **	-51.5228 **
4119.9375	-13.0000	-51.2401 **	-50.9382 **
4943.9250	-13.0000	-48.3987 **	-47.8705 **
5767.9125	-13.0000	-47.4239 **	-47.1682 **
6591.9000	-13.0000	-44.9365 **	-46.2600 **
7415.8875	-13.0000	-42.4530 **	-44.4731 **
8239.8750	-13.0000	-42.6860 **	-44.1415 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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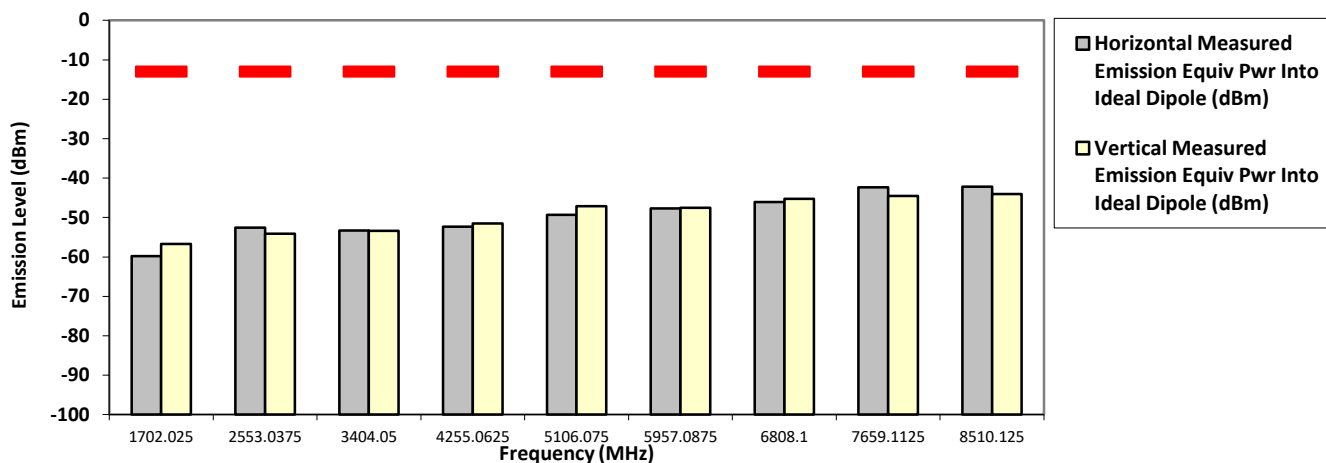
Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 25 kHz
 42.000 Watt(s) /Max Power

851.0125 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1702.0250	-13.0000	-59.7530 **	-56.6861 **
2553.0375	-13.0000	-52.5429 **	-54.1030 **
3404.0500	-13.0000	-53.2820 **	-53.3709 **
4255.0625	-13.0000	-52.3531 **	-51.4786 **
5106.0750	-13.0000	-49.2848 **	-47.1343 **
5957.0875	-13.0000	-47.7203 **	-47.5015 **
6808.1000	-13.0000	-46.1065 **	-45.2259 **
7659.1125	-13.0000	-42.3127 **	-44.5253 **
8510.1250	-13.0000	-42.1592 **	-44.0424 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

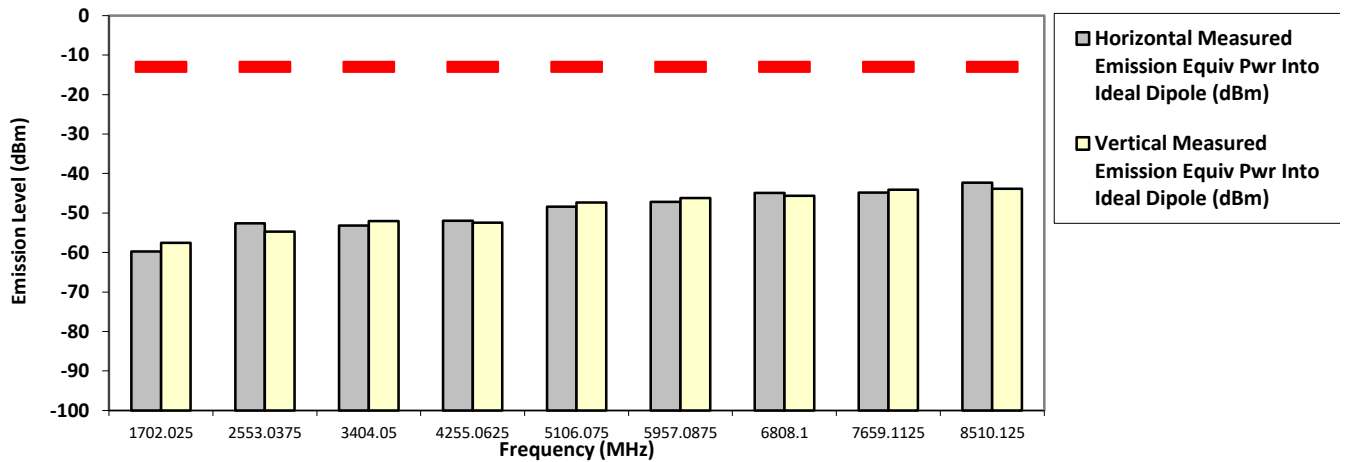
Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M25VRS9PW1BN **S/N: 471TXB1946** **SR:24823-EMC-00015**
Battery Part No: NA **Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13**
Test Mode: TX Analog
851.0125 MHz **25 kHz** **3.000 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)
1702.0250	-13.0000	-59.7312 **	-57.5779 **
2553.0375	-13.0000	-52.6029 **	-54.7158 **
3404.0500	-13.0000	-53.1462 **	-52.0432 **
4255.0625	-13.0000	-51.9587 **	-52.4111 **
5106.0750	-13.0000	-48.4095 **	-47.3140 **
5957.0875	-13.0000	-47.2149 **	-46.2244 **
6808.1000	-13.0000	-44.9341 **	-45.6383 **
7659.1125	-13.0000	-44.7882 **	-44.0962 **
8510.1250	-13.0000	-42.3052 **	-43.8128 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

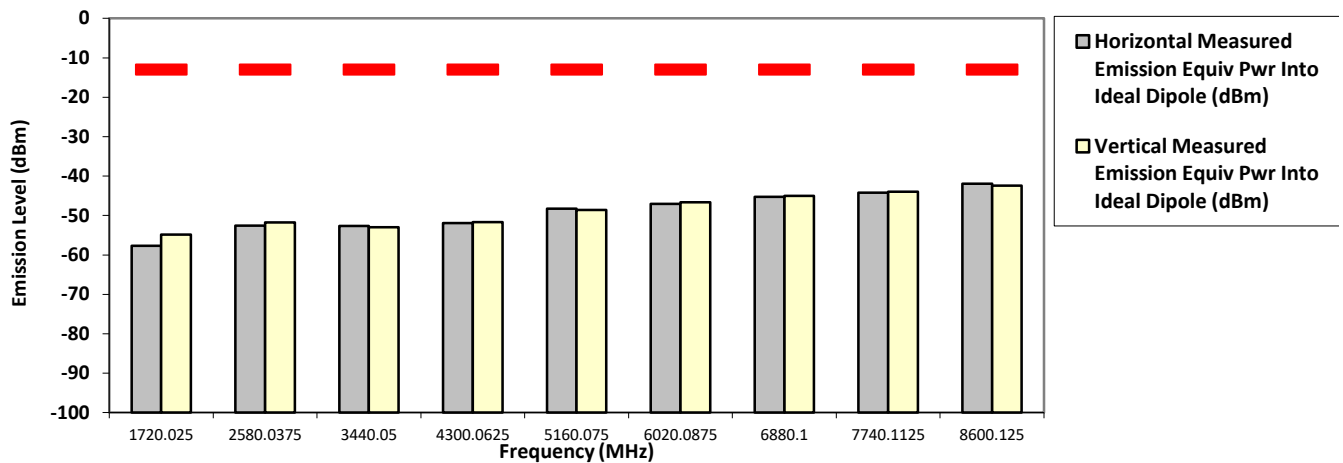
Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 25 kHz
 42.000 Watt(s) /Max Power

860.0125 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-57.6563 **	-54.8595 **
2580.0375	-13.0000	-52.5473 **	-51.7702 **
3440.0500	-13.0000	-52.6496 **	-52.9594 **
4300.0625	-13.0000	-51.9191 **	-51.6953 **
5160.0750	-13.0000	-48.2433 **	-48.5963 **
6020.0875	-13.0000	-47.0790 **	-46.6741 **
6880.1000	-13.0000	-45.2338 **	-44.9774 **
7740.1125	-13.0000	-44.2224 **	-43.9325 **
8600.1250	-13.0000	-41.9076 **	-42.4331 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

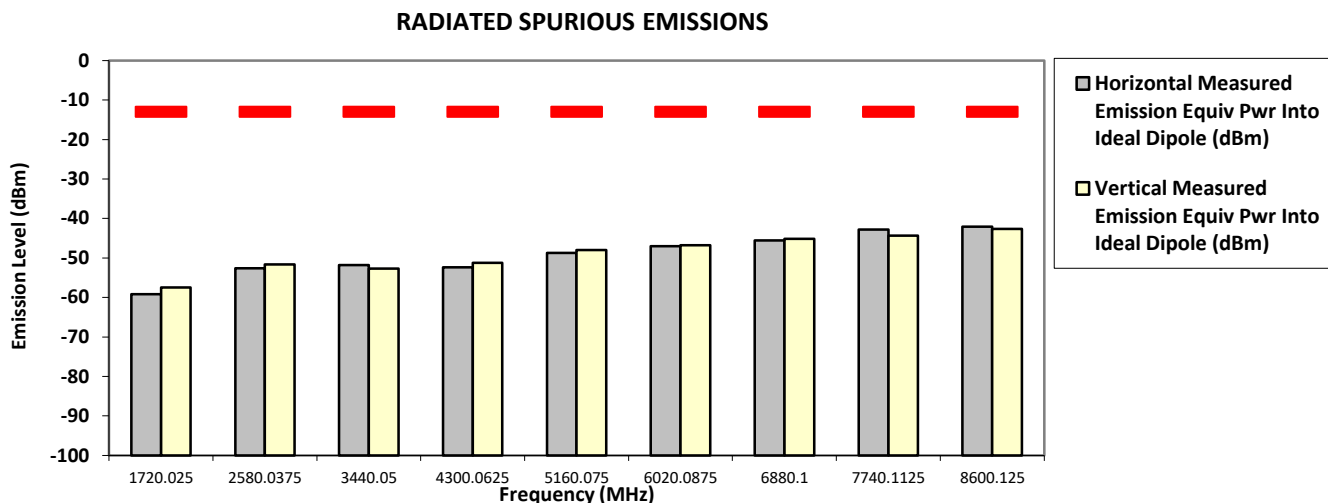
System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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SAC Transmitter Radiated Emission:
Model Number: M25VRS9PW1BN **S/N: 471TXB1946** **SR:24823-EMC-00015**
Battery Part No: NA **Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13**
Test Mode: TX Analog
860.0125 MHz **25 kHz** **3.000 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)
1720.0250	-13.0000	-59.1643 **	-57.4410 **
2580.0375	-13.0000	-52.5878 **	-51.6071 **
3440.0500	-13.0000	-51.8327 **	-52.7150 **
4300.0625	-13.0000	-52.3668 **	-51.2464 **
5160.0750	-13.0000	-48.7332 **	-48.0054 **
6020.0875	-13.0000	-47.0274 **	-46.7692 **
6880.1000	-13.0000	-45.5322 **	-45.1323 **
7740.1125	-13.0000	-42.8063 **	-44.3609 **
8600.1250	-13.0000	-42.1039 **	-42.6753 **



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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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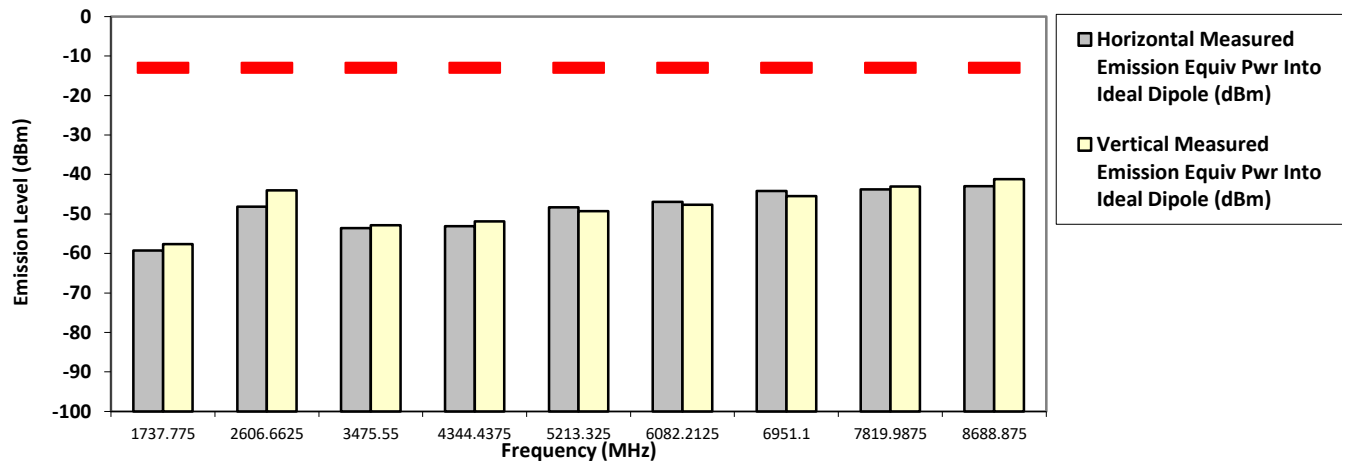
Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 25 kHz
 42.000 Watt(s) /Max Power

868.887500 MHz

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-59.2157 **	-57.6347 **
2606.6625	-13.0000	-48.1100 *	-44.0000 *
3475.5500	-13.0000	-53.5921 **	-52.8406 **
4344.4375	-13.0000	-53.0998 **	-51.8386 **
5213.3250	-13.0000	-48.2797 **	-49.2821 **
6082.2125	-13.0000	-46.9570 **	-47.6278 **
6951.1000	-13.0000	-44.1586 **	-45.4637 **
7819.9875	-13.0000	-43.7419 **	-43.0748 **
8688.8750	-13.0000	-42.9286 **	-41.2023 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

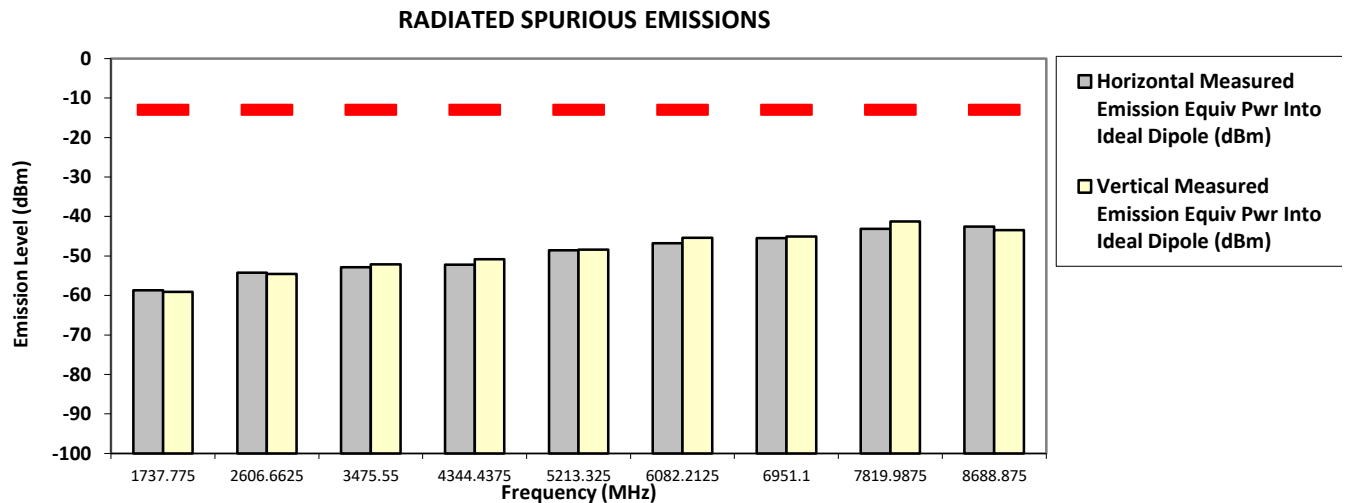
Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX Analog
 25 kHz
 3.000 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)
1737.7750	-13.0000	-58.7042 **	-59.0593 **
2606.6625	-13.0000	-54.2453 **	-54.5091 **
3475.5500	-13.0000	-52.8810 **	-52.0911 **
4344.4375	-13.0000	-52.1926 **	-50.8569 **
5213.3250	-13.0000	-48.5682 **	-48.3942 **
6082.2125	-13.0000	-46.7517 **	-45.3814 **
6951.1000	-13.0000	-45.4405 **	-45.0925 **
7819.9875	-13.0000	-43.1619 **	-41.2251 **
8688.8750	-13.0000	-42.5690 **	-43.4812 **



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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

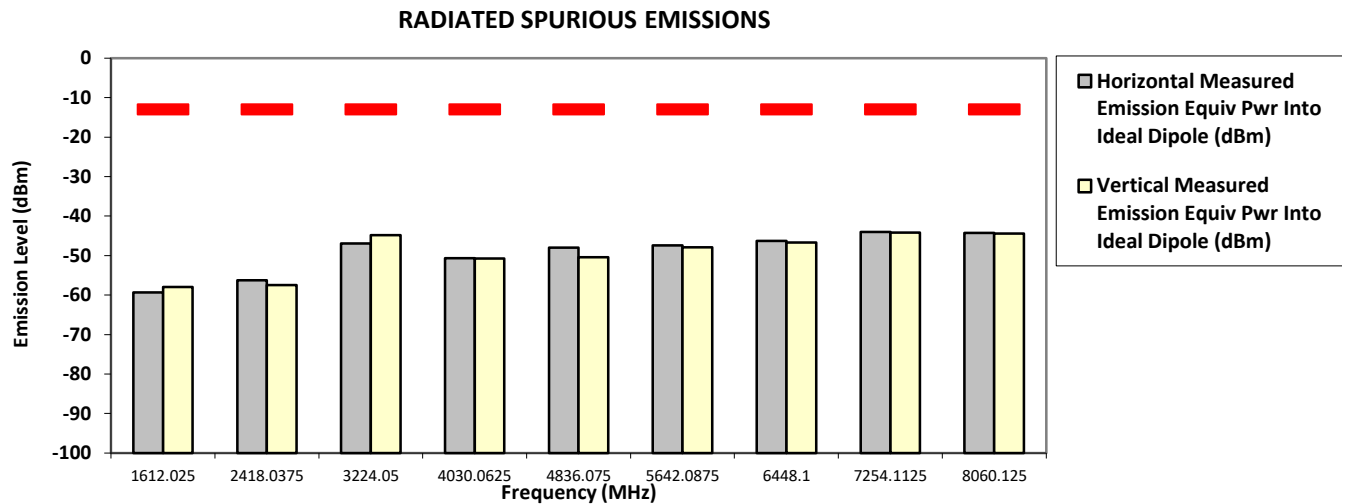
Remarks:

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

6.11.3. Test Result (Digital)

Model Number: M25VRS9PW1BN **SAC Transmitter Radiated Emission:** **S/N:** 471TXB1946 **SR:**24823-EMC-00015
Battery Part No: NA **Accy Part No:** HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF1
Test Mode: TX APCO Digital C4FM **42.000 Watt(s) /Max Power**
806.012500 MHz **12.5 kHz**

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-59.3300 **	-57.9622 **
2418.0375	-13.0000	-56.2213 **	-57.4553 **
3224.0500	-13.0000	-46.9200 *	-44.8000 *
4030.0625	-13.0000	-50.6952 **	-50.7575 **
4836.0750	-13.0000	-48.0036 **	-50.4255 **
5642.0875	-13.0000	-47.4527 **	-47.8794 **
6448.1000	-13.0000	-46.2826 **	-46.7234 **
7254.1125	-13.0000	-43.9766 **	-44.1474 **
8060.1250	-13.0000	-44.2355 **	-44.4407 **



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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

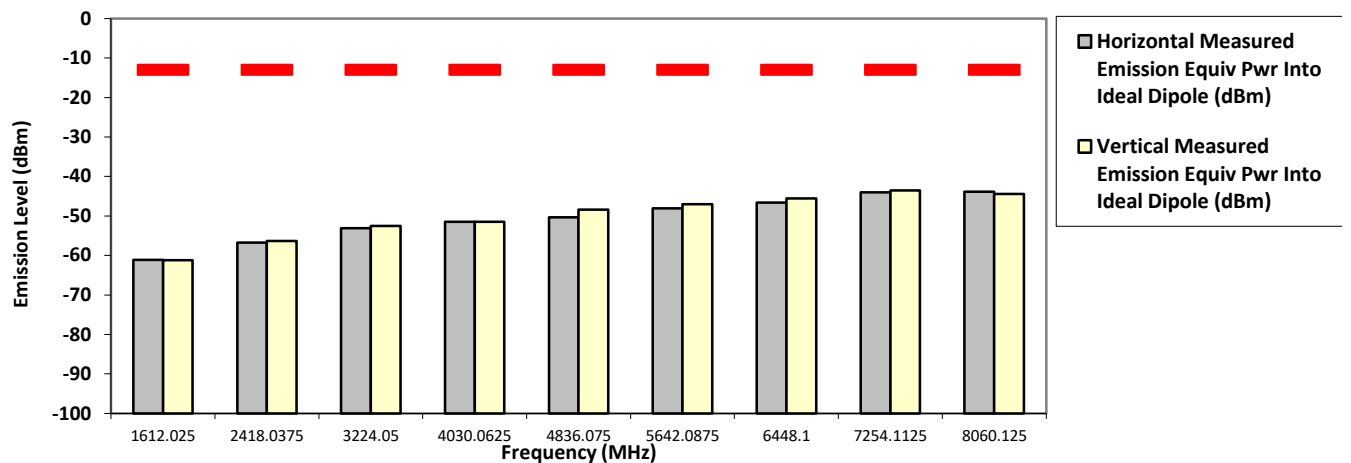
806.012500 MHz

12.5 kHz

3.000 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)
1612.0250	-13.0000	-61.1164 **	-61.2197 **
2418.0375	-13.0000	-56.7187 **	-56.3098 **
3224.0500	-13.0000	-53.0980 **	-52.5253 **
4030.0625	-13.0000	-51.4332 **	-51.4567 **
4836.0750	-13.0000	-50.3260 **	-48.3905 **
5642.0875	-13.0000	-48.0422 **	-46.9975 **
6448.1000	-13.0000	-46.5948 **	-45.5181 **
7254.1125	-13.0000	-44.0269 **	-43.5500 **
8060.1250	-13.0000	-43.8285 **	-44.4510 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

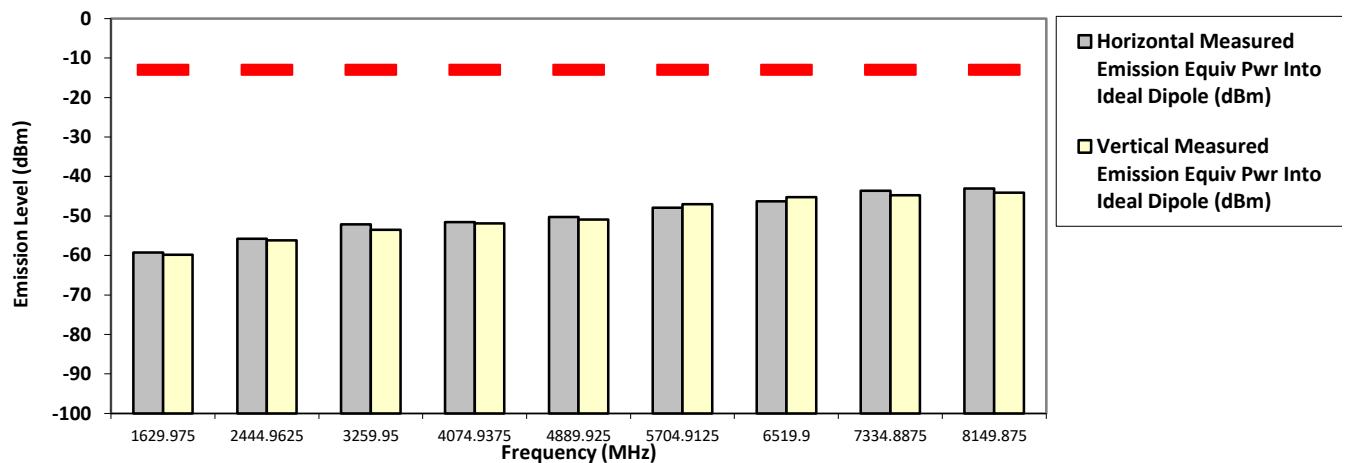
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:
Model Number: M25VRS9PW1BN **S/N: 471TXB1946** **SR:24823-EMC-00015**
Battery Part No: NA **Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13**
Test Mode: TX APCO Digital C4FM

814.987500 MHz **12.5 kHz** **42.000 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)
1629.9750	-13.0000	-59.2587 **	-59.8000 **
2444.9625	-13.0000	-55.7593 **	-56.1752 **
3259.9500	-13.0000	-52.1513 **	-53.4886 **
4074.9375	-13.0000	-51.5571 **	-51.8903 **
4889.9250	-13.0000	-50.2648 **	-50.8846 **
5704.9125	-13.0000	-47.8667 **	-47.0472 **
6519.9000	-13.0000	-46.2809 **	-45.2458 **
7334.8875	-13.0000	-43.6231 **	-44.7124 **
8149.8750	-13.0000	-43.0694 **	-44.0624 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

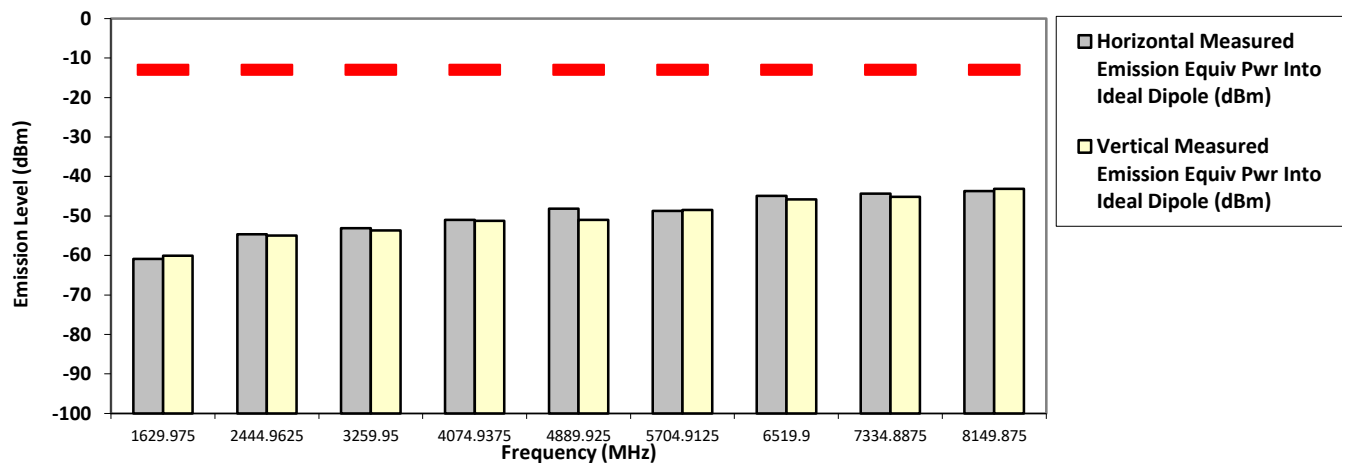
814.987500 MHz

12.5 kHz

3.000 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)
1629.9750	-13.0000	-60.8716 **	-60.0890 **
2444.9625	-13.0000	-54.5914 **	-54.9486 **
3259.9500	-13.0000	-53.0869 **	-53.6507 **
4074.9375	-13.0000	-50.9774 **	-51.1915 **
4889.9250	-13.0000	-48.1299 **	-50.9915 **
5704.9125	-13.0000	-48.7216 **	-48.4664 **
6519.9000	-13.0000	-44.8936 **	-45.7986 **
7334.8875	-13.0000	-44.3353 **	-45.1656 **
8149.8750	-13.0000	-43.7274 **	-43.1546 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

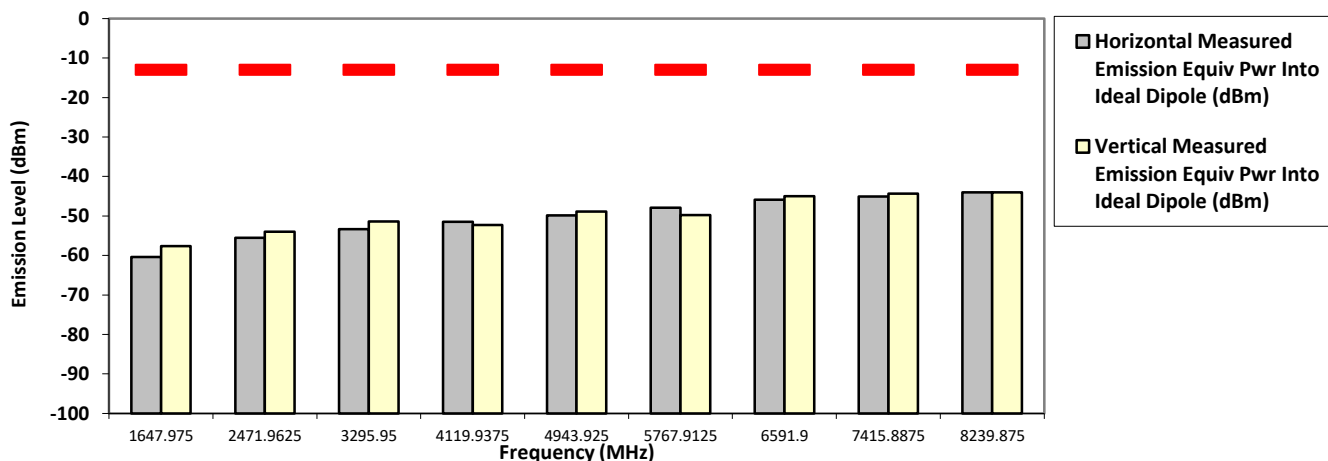
823.987500 MHz

12.5 kHz

42.000 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)
1647.9750	-13.0000	-60.3600 **	-57.5965 **
2471.9625	-13.0000	-55.4816 **	-53.9648 **
3295.9500	-13.0000	-53.3074 **	-51.4125 **
4119.9375	-13.0000	-51.4956 **	-52.2740 **
4943.9250	-13.0000	-49.8732 **	-48.8486 **
5767.9125	-13.0000	-47.9097 **	-49.7385 **
6591.9000	-13.0000	-45.9018 **	-44.9765 **
7415.8875	-13.0000	-45.0508 **	-44.3694 **
8239.8750	-13.0000	-44.0177 **	-44.0020 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

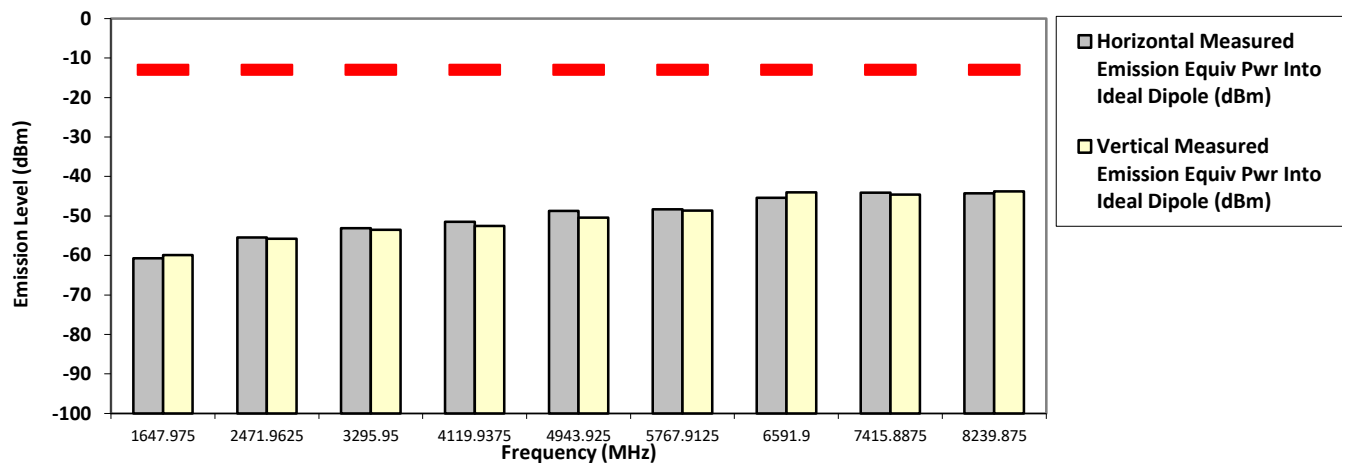
823.987500 MHz

12.5 kHz

3.000 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)
1647.9750	-13.0000	-60.7047 **	-59.9308 **
2471.9625	-13.0000	-55.4284 **	-55.7673 **
3295.9500	-13.0000	-53.1223 **	-53.5045 **
4119.9375	-13.0000	-51.4636 **	-52.5542 **
4943.9250	-13.0000	-48.7529 **	-50.3755 **
5767.9125	-13.0000	-48.3278 **	-48.6387 **
6591.9000	-13.0000	-45.3655 **	-43.9956 **
7415.8875	-13.0000	-44.0581 **	-44.6057 **
8239.8750	-13.0000	-44.2532 **	-43.7700 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

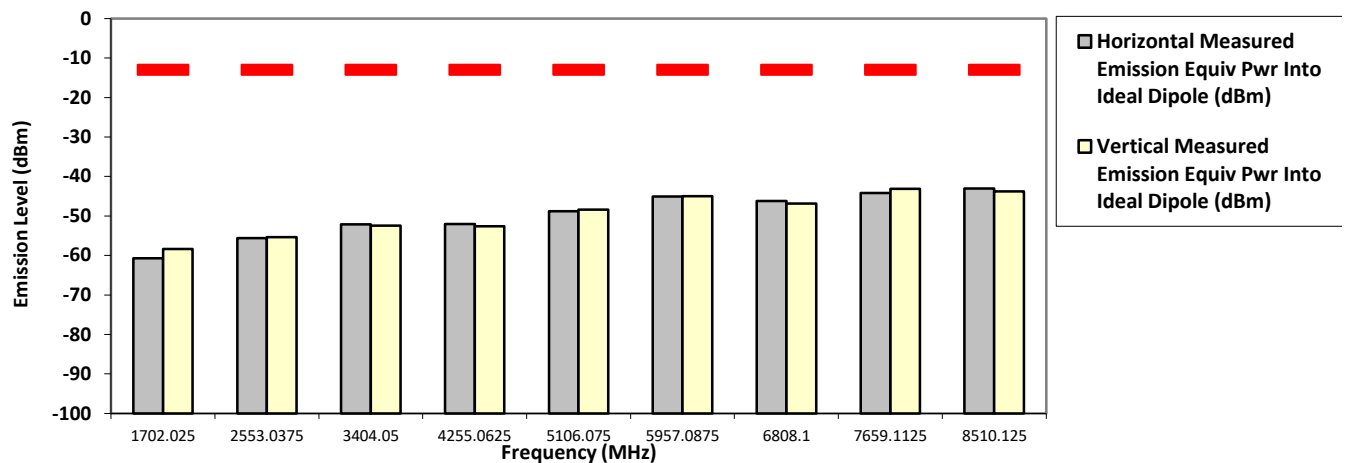
851.012500 MHz

12.5 kHz

42.000 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)
1702.0250	-13.0000	-60.7049 **	-58.3924 **
2553.0375	-13.0000	-55.5888 **	-55.3406 **
3404.0500	-13.0000	-52.0990 **	-52.4264 **
4255.0625	-13.0000	-52.0538 **	-52.5958 **
5106.0750	-13.0000	-48.8248 **	-48.3498 **
5957.0875	-13.0000	-45.0571 **	-44.9683 **
6808.1000	-13.0000	-46.2414 **	-46.8294 **
7659.1125	-13.0000	-44.2097 **	-43.0897 **
8510.1250	-13.0000	-43.0248 **	-43.7835 **

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, 28 Jan, 2021

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

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

Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

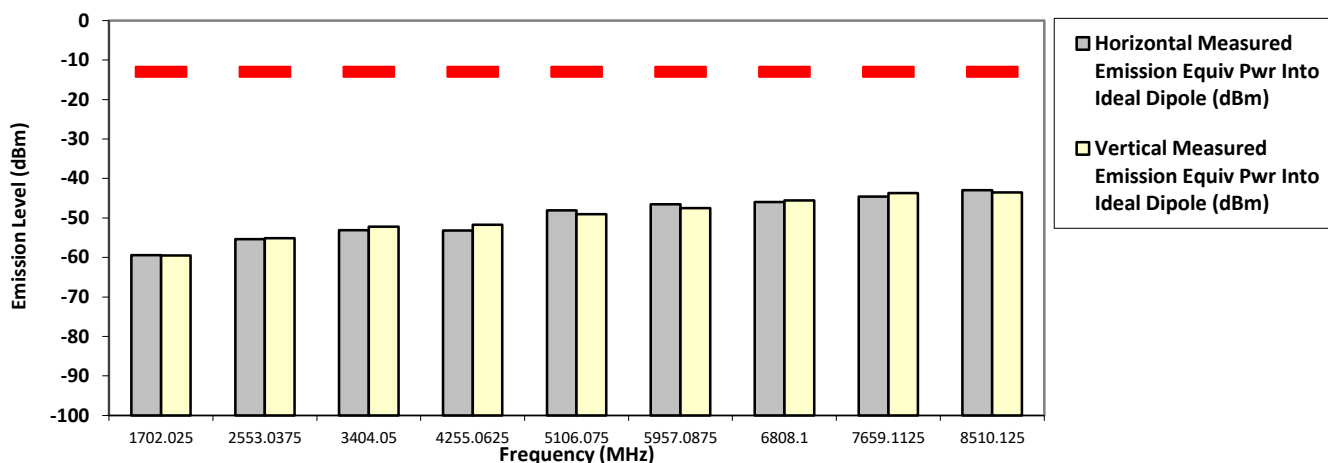
851.012500 MHz

12.5 kHz

3.000 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)
1702.0250	-13.0000	-59.4342 **	-59.5103 **
2553.0375	-13.0000	-55.3951 **	-55.1509 **
3404.0500	-13.0000	-53.0675 **	-52.2083 **
4255.0625	-13.0000	-53.1405 **	-51.7485 **
5106.0750	-13.0000	-48.0810 **	-49.0609 **
5957.0875	-13.0000	-46.5473 **	-47.4761 **
6808.1000	-13.0000	-45.9193 **	-45.5479 **
7659.1125	-13.0000	-44.5517 **	-43.7158 **
8510.1250	-13.0000	-42.9392 **	-43.5007 **

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, 28 Jan, 2021

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

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

Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

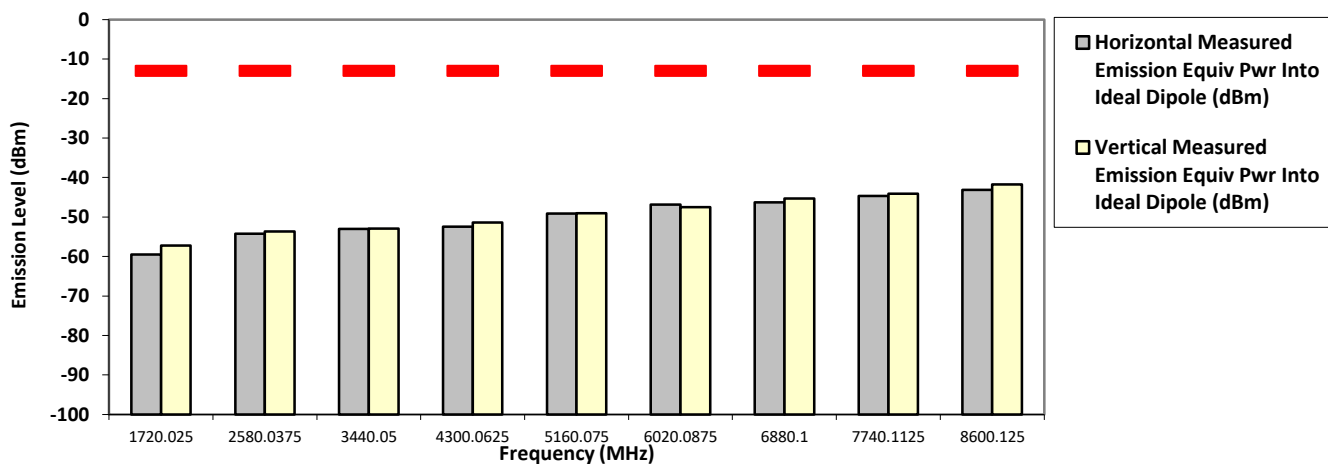
860.012500 MHz

12.5 kHz

42.000 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)
1720.0250	-13.0000	-59.4665 **	-57.2451 **
2580.0375	-13.0000	-54.2554 **	-53.6196 **
3440.0500	-13.0000	-52.9795 **	-52.9672 **
4300.0625	-13.0000	-52.4343 **	-51.3821 **
5160.0750	-13.0000	-49.1531 **	-49.0426 **
6020.0875	-13.0000	-46.8442 **	-47.4941 **
6880.1000	-13.0000	-46.2747 **	-45.3022 **
7740.1125	-13.0000	-44.6233 **	-44.0785 **
8600.1250	-13.0000	-43.1036 **	-41.7399 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

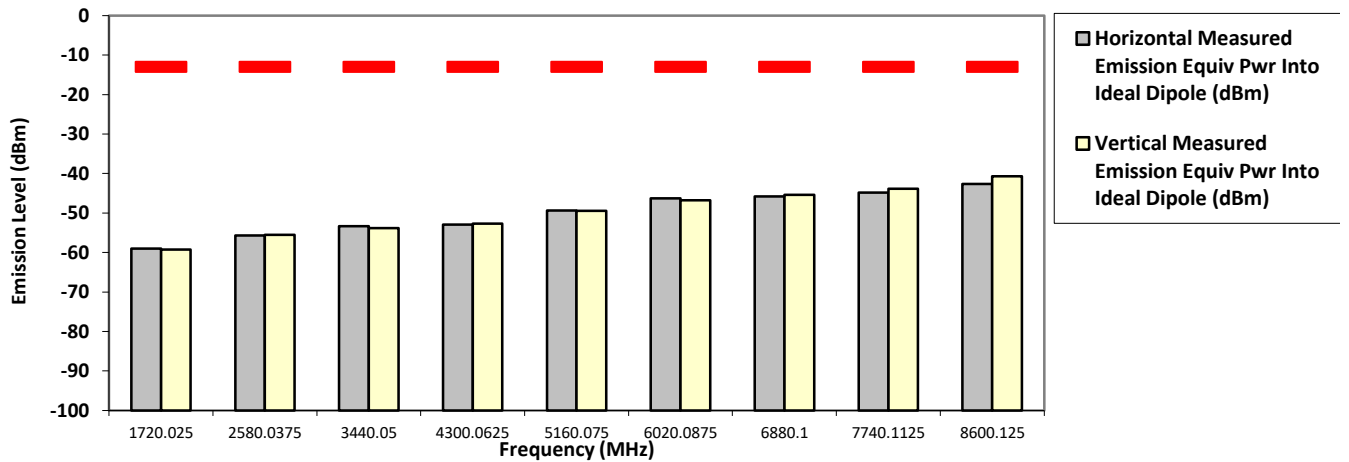
860.012500 MHz

12.5 kHz

3.000 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)
1720.0250	-13.0000	-59.0193 **	-59.2614 **
2580.0375	-13.0000	-55.7205 **	-55.5102 **
3440.0500	-13.0000	-53.2951 **	-53.8058 **
4300.0625	-13.0000	-52.9580 **	-52.6992 **
5160.0750	-13.0000	-49.3386 **	-49.4516 **
6020.0875	-13.0000	-46.2685 **	-46.7292 **
6880.1000	-13.0000	-45.7575 **	-45.3542 **
7740.1125	-13.0000	-44.8484 **	-43.8462 **
8600.1250	-13.0000	-42.6373 **	-40.6661 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

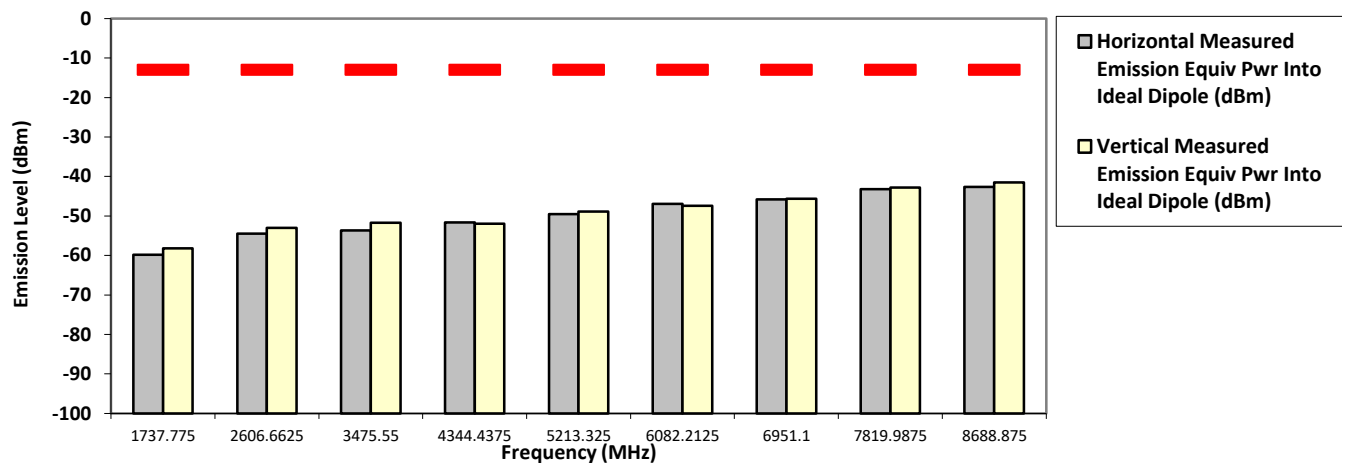
868.887500 MHz

12.5 kHz

42.000 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)
1737.7750	-13.0000	-59.8000 **	-58.1766 **
2606.6625	-13.0000	-54.4818 **	-53.0327 **
3475.5500	-13.0000	-53.6663 **	-51.7401 **
4344.4375	-13.0000	-51.6622 **	-51.9633 **
5213.3250	-13.0000	-49.5427 **	-48.8754 **
6082.2125	-13.0000	-46.9244 **	-47.4428 **
6951.1000	-13.0000	-45.7875 **	-45.5963 **
7819.9875	-13.0000	-43.1684 **	-42.8069 **
8688.8750	-13.0000	-42.6425 **	-41.5422 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital C4FM

SR:24823-EMC-00015

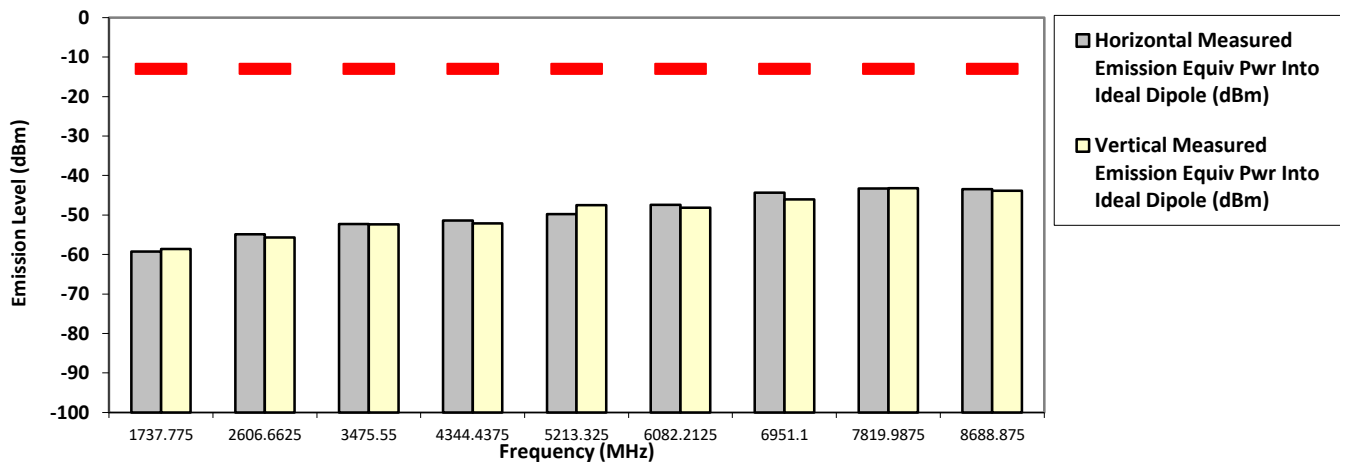
868.887500 MHz

12.5 kHz

3.000 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)
1737.7750	-13.0000	-59.2388 **	-58.5821 **
2606.6625	-13.0000	-54.8655 **	-55.7108 **
3475.5500	-13.0000	-52.2965 **	-52.3952 **
4344.4375	-13.0000	-51.4162 **	-52.1189 **
5213.3250	-13.0000	-49.7343 **	-47.4613 **
6082.2125	-13.0000	-47.4079 **	-48.1215 **
6951.1000	-13.0000	-44.3456 **	-46.0222 **
7819.9875	-13.0000	-43.2528 **	-43.2122 **
8688.8750	-13.0000	-43.4167 **	-43.8786 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

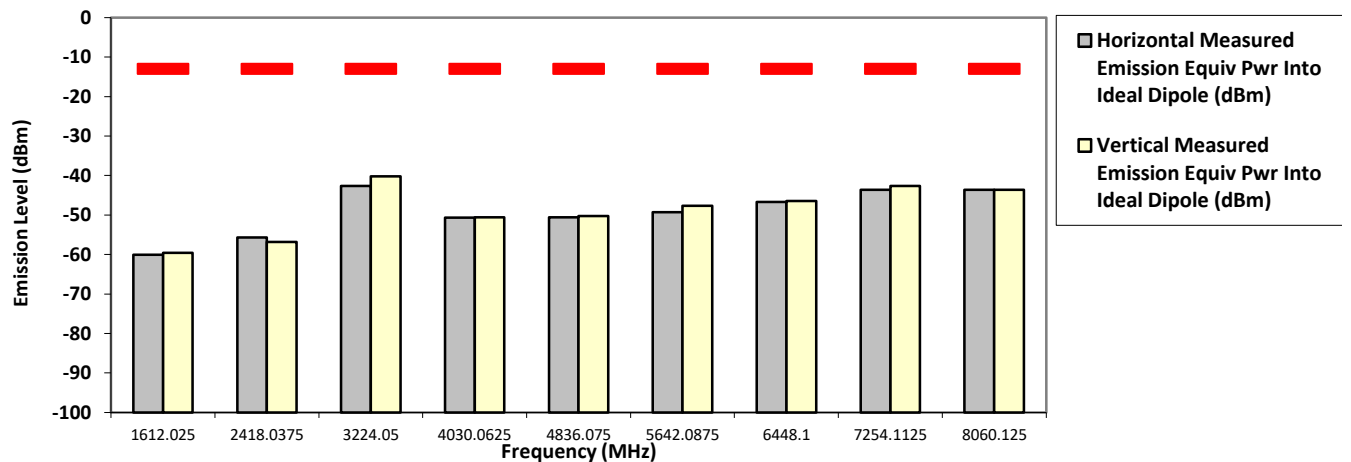
806.012500 MHz

12.5 kHz

42.000 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)
1612.0250	-13.0000	-60.0312 **	-59.5457 **
2418.0375	-13.0000	-55.6971 **	-56.8142 **
3224.0500	-13.0000	-42.6500 *	-40.2000 *
4030.0625	-13.0000	-50.6726 **	-50.5635 **
4836.0750	-13.0000	-50.5685 **	-50.2662 **
5642.0875	-13.0000	-49.3183 **	-47.7001 **
6448.1000	-13.0000	-46.6503 **	-46.4481 **
7254.1125	-13.0000	-43.5847 **	-42.6280 **
8060.1250	-13.0000	-43.6342 **	-43.5742 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: PMHN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

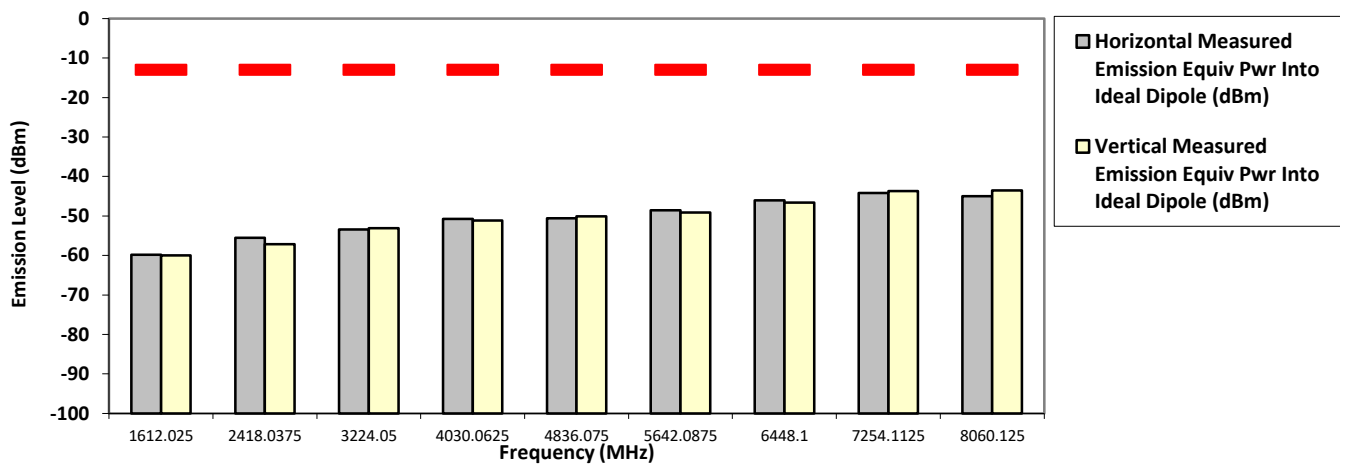
806.012500 MHz

12.5 kHz

3.000 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)
1612.0250	-13.0000	-59.8264 **	-60.0080 **
2418.0375	-13.0000	-55.5245 **	-57.1087 **
3224.0500	-13.0000	-53.4456 **	-53.0966 **
4030.0625	-13.0000	-50.7579 **	-51.1145 **
4836.0750	-13.0000	-50.6066 **	-50.1224 **
5642.0875	-13.0000	-48.5537 **	-49.1257 **
6448.1000	-13.0000	-46.0081 **	-46.5882 **
7254.1125	-13.0000	-44.1564 **	-43.6894 **
8060.1250	-13.0000	-44.9870 **	-43.5001 **

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, 28 Jan, 2021

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

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

Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

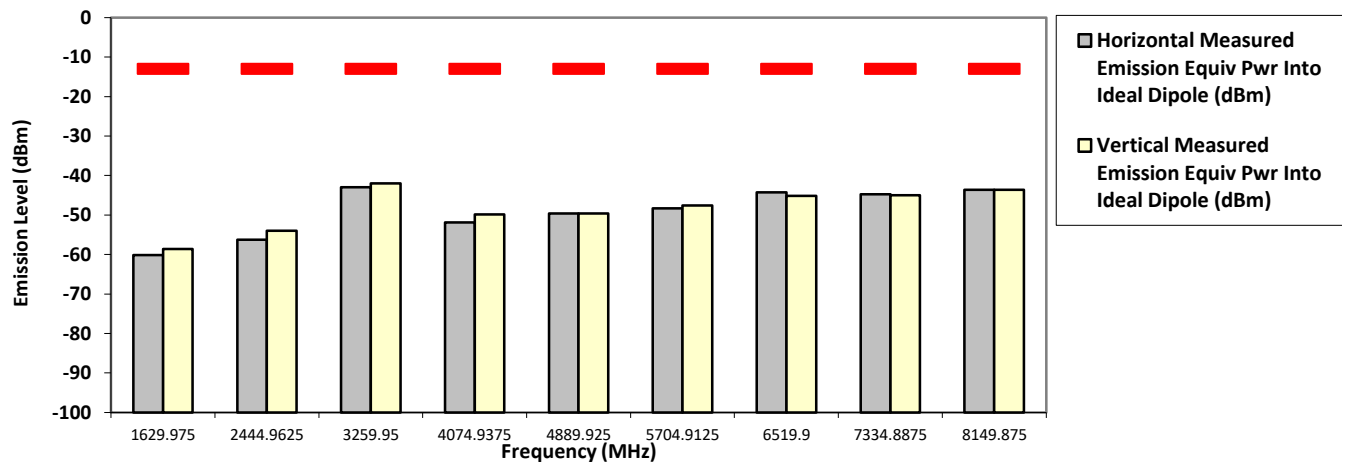
814.987500 MHz

12.5 kHz

42.000 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)
1629.9750	-13.0000	-60.1584 **	-58.6200 **
2444.9625	-13.0000	-56.2353 **	-53.9480 **
3259.9500	-13.0000	-43.0000 *	-42.0200 *
4074.9375	-13.0000	-51.8943 **	-49.8654 **
4889.9250	-13.0000	-49.6084 **	-49.5919 **
5704.9125	-13.0000	-48.3305 **	-47.5430 **
6519.9000	-13.0000	-44.2920 **	-45.1676 **
7334.8875	-13.0000	-44.7799 **	-44.9739 **
8149.8750	-13.0000	-43.5907 **	-43.5703 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

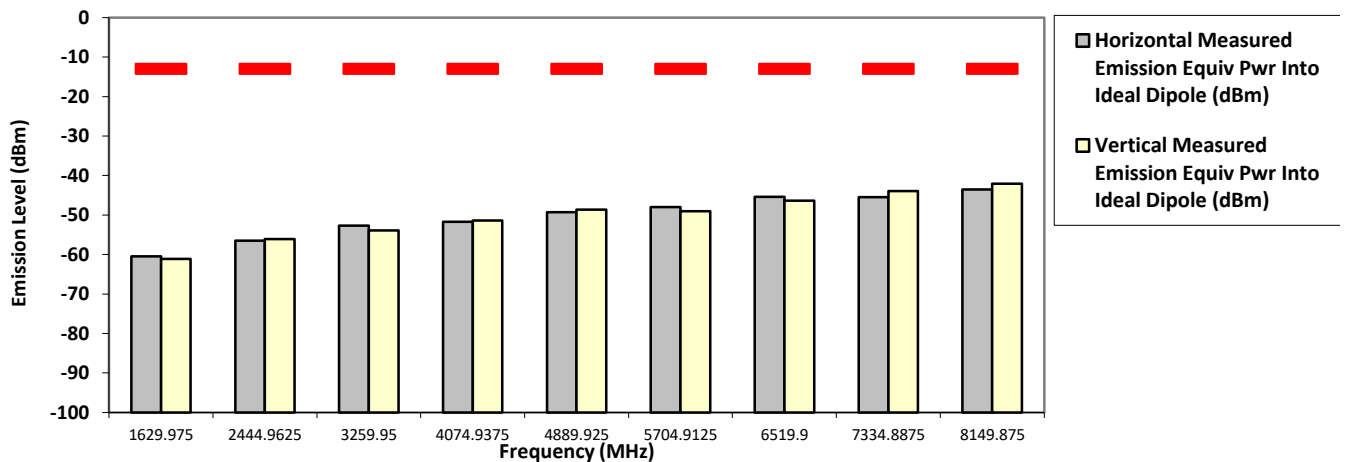
814.987500 MHz

12.5 kHz

3.000 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)
1629.9750	-13.0000	-60.4422 **	-61.1497 **
2444.9625	-13.0000	-56.5312 **	-56.1076 **
3259.9500	-13.0000	-52.6743 **	-53.8824 **
4074.9375	-13.0000	-51.6840 **	-51.3666 **
4889.9250	-13.0000	-49.3080 **	-48.6227 **
5704.9125	-13.0000	-47.9996 **	-49.0691 **
6519.9000	-13.0000	-45.4044 **	-46.3545 **
7334.8875	-13.0000	-45.4425 **	-43.9084 **
8149.8750	-13.0000	-43.5014 **	-42.0367 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

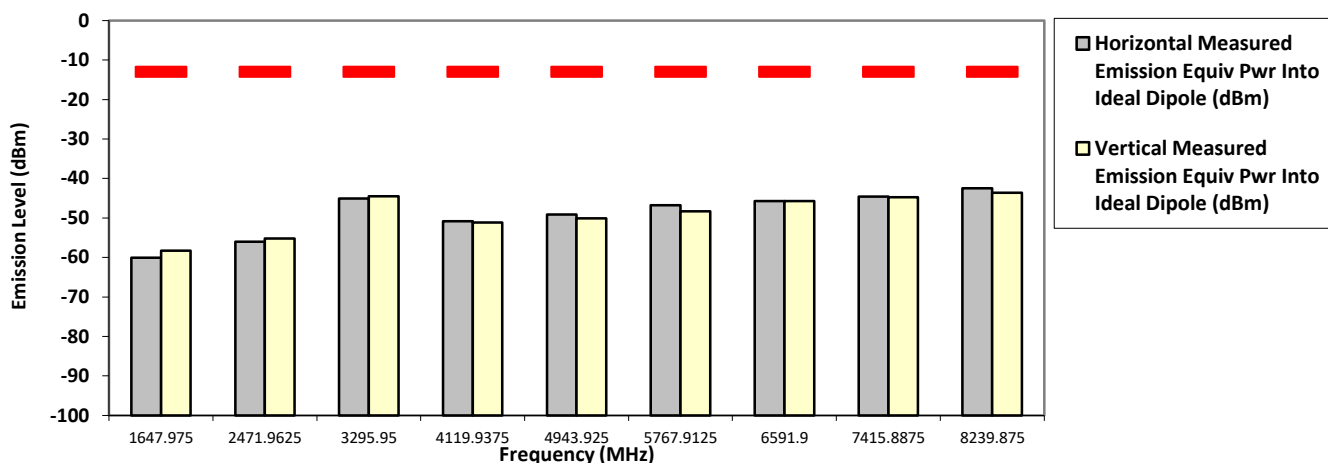
823.987500 MHz

12.5 kHz

42.000 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)
1647.9750	-13.0000	-60.0931 **	-58.2586 **
2471.9625	-13.0000	-56.0055 **	-55.1854 **
3295.9500	-13.0000	-45.0800 *	-44.4800 *
4119.9375	-13.0000	-50.8174 **	-51.1540 **
4943.9250	-13.0000	-49.1094 **	-50.0675 **
5767.9125	-13.0000	-46.7718 **	-48.3206 **
6591.9000	-13.0000	-45.7228 **	-45.7332 **
7415.8875	-13.0000	-44.6021 **	-44.7437 **
8239.8750	-13.0000	-42.5101 **	-43.6384 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

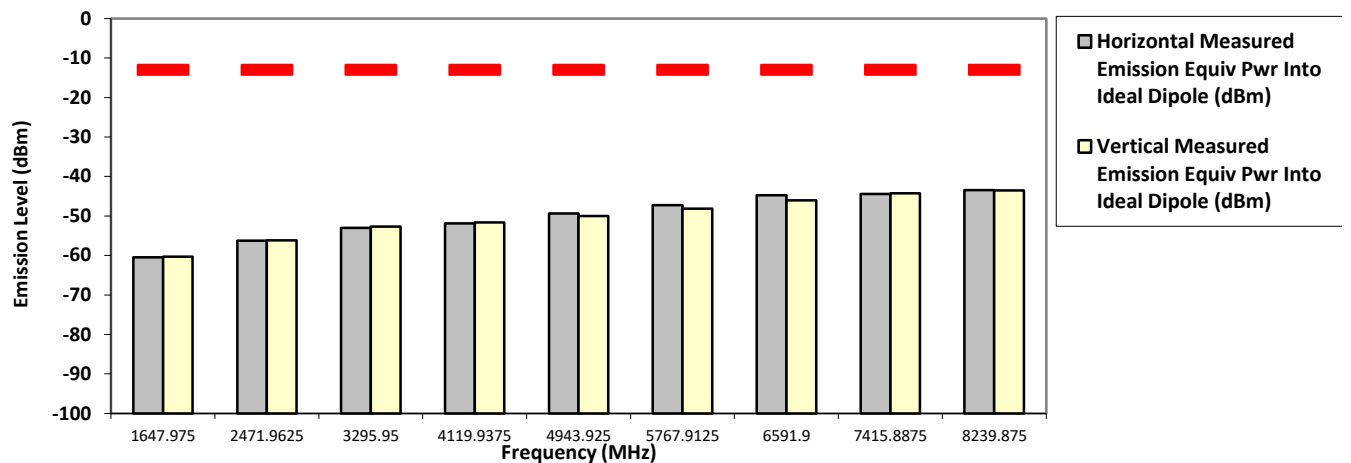
823.987500 MHz

12.5 kHz

3.000 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)
1647.9750	-13.0000	-60.4734 **	-60.3037 **
2471.9625	-13.0000	-56.2234 **	-56.1759 **
3295.9500	-13.0000	-53.0251 **	-52.6832 **
4119.9375	-13.0000	-51.8704 **	-51.6029 **
4943.9250	-13.0000	-49.4000 **	-50.0342 **
5767.9125	-13.0000	-47.2221 **	-48.1562 **
6591.9000	-13.0000	-44.7795 **	-46.0504 **
7415.8875	-13.0000	-44.3858 **	-44.2268 **
8239.8750	-13.0000	-43.4851 **	-43.5624 **

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, 28 Jan, 2021

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

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

Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

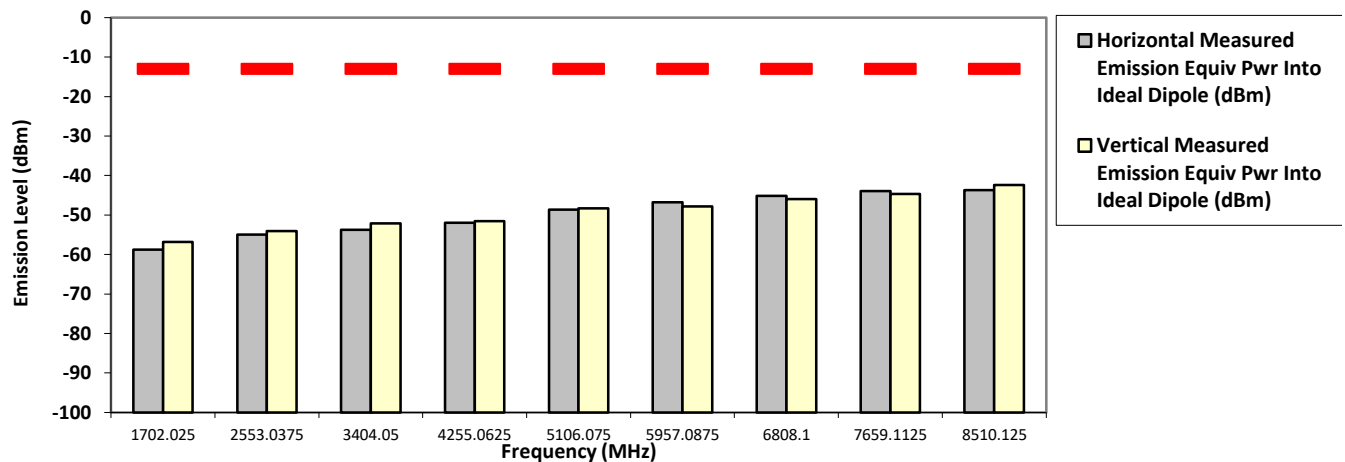
851.012500 MHz

12.5 kHz

42.000 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)
1702.0250	-13.0000	-58.7311 **	-56.7900 **
2553.0375	-13.0000	-54.9798 **	-54.0600 **
3404.0500	-13.0000	-53.7626 **	-52.1283 **
4255.0625	-13.0000	-51.9893 **	-51.5419 **
5106.0750	-13.0000	-48.5962 **	-48.3210 **
5957.0875	-13.0000	-46.7394 **	-47.7937 **
6808.1000	-13.0000	-45.1421 **	-45.9516 **
7659.1125	-13.0000	-43.9138 **	-44.6876 **
8510.1250	-13.0000	-43.6901 **	-42.3781 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

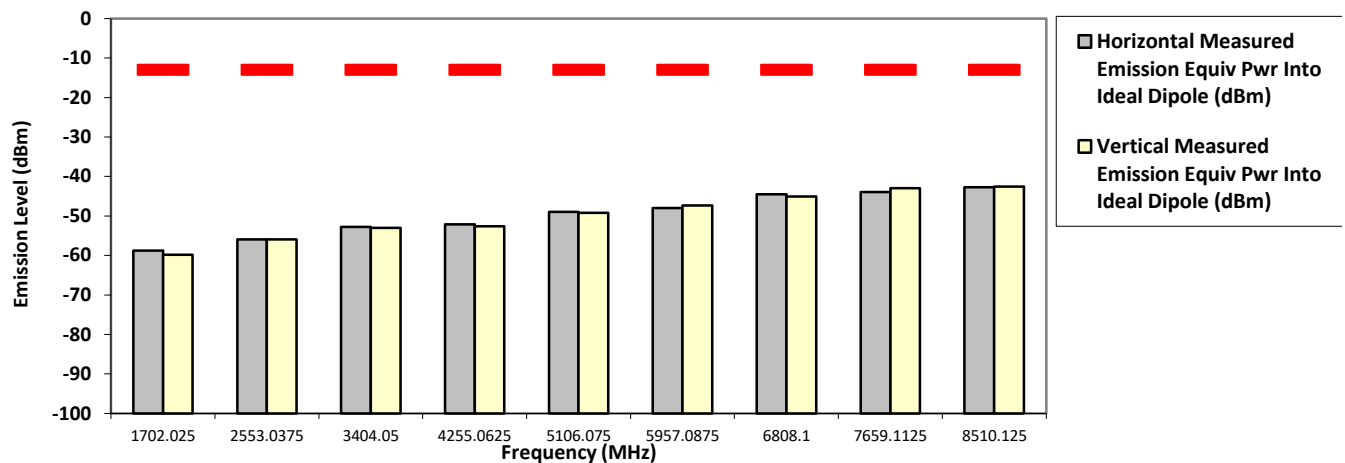
851.012500 MHz

12.5 kHz

3.000 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)
1702.0250	-13.0000	-58.7658 **	-59.8373 **
2553.0375	-13.0000	-55.9401 **	-55.9312 **
3404.0500	-13.0000	-52.8059 **	-53.0177 **
4255.0625	-13.0000	-52.0946 **	-52.5890 **
5106.0750	-13.0000	-48.9748 **	-49.2287 **
5957.0875	-13.0000	-47.9942 **	-47.3420 **
6808.1000	-13.0000	-44.4735 **	-45.0347 **
7659.1125	-13.0000	-43.9021 **	-43.0010 **
8510.1250	-13.0000	-42.7498 **	-42.5516 **

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, 28 Jan, 2021

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

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

Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

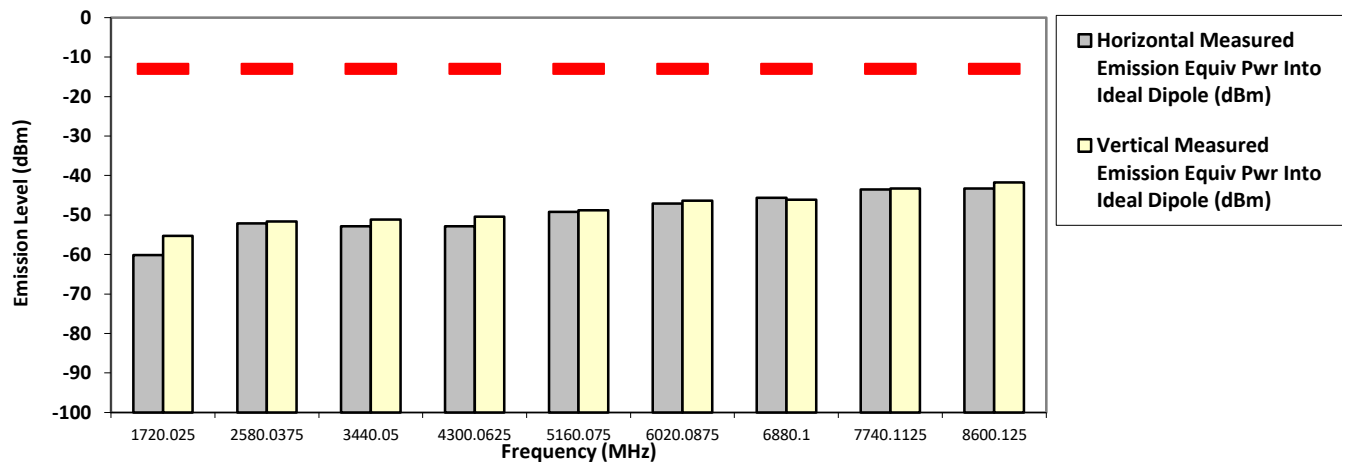
860.012500 MHz

12.5 kHz

42.000 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)
1720.0250	-13.0000	-60.1451 **	-55.2915 **
2580.0375	-13.0000	-52.1331 **	-51.6173 **
3440.0500	-13.0000	-52.8354 **	-51.1345 **
4300.0625	-13.0000	-52.8304 **	-50.3927 **
5160.0750	-13.0000	-49.1735 **	-48.7639 **
6020.0875	-13.0000	-47.0897 **	-46.3618 **
6880.1000	-13.0000	-45.6434 **	-46.1135 **
7740.1125	-13.0000	-43.5047 **	-43.2686 **
8600.1250	-13.0000	-43.3092 **	-41.7811 **

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, 28 Jan, 2021

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

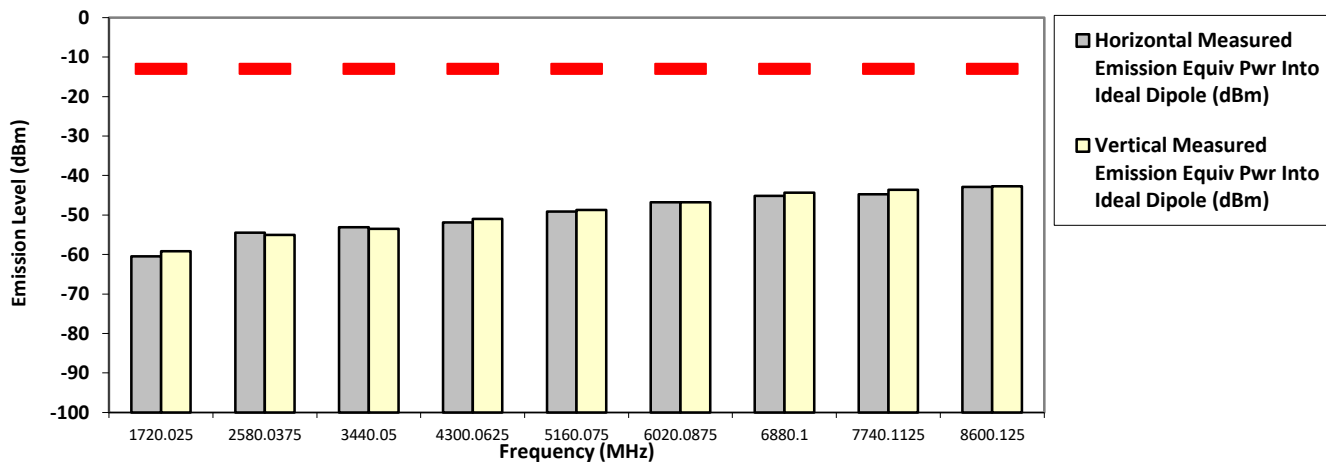
860.012500 MHz

12.5 kHz

3.000 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)
1720.0250	-13.0000	-60.4997 **	-59.1345 **
2580.0375	-13.0000	-54.4664 **	-55.0005 **
3440.0500	-13.0000	-53.0827 **	-53.4733 **
4300.0625	-13.0000	-51.9125 **	-51.0227 **
5160.0750	-13.0000	-49.1349 **	-48.7290 **
6020.0875	-13.0000	-46.7832 **	-46.7817 **
6880.1000	-13.0000	-45.1608 **	-44.3159 **
7740.1125	-13.0000	-44.7541 **	-43.6138 **
8600.1250	-13.0000	-42.8989 **	-42.7223 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

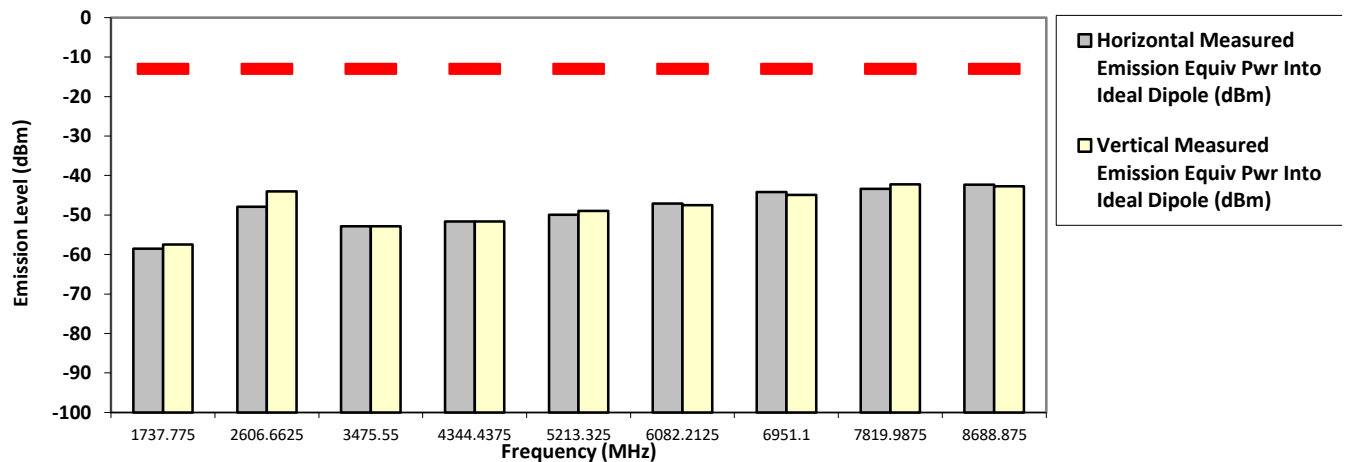
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:
Model Number: M25VRS9PW1BN **S/N: 471TXB1946** **SR:24823-EMC-00015**
Battery Part No: NA **Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6, PMHN4194C-CF13**
Test Mode: TX APCO Digital Phase II

868.887500 MHz **12.5 kHz** **42.000 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)
1737.7750	-13.0000	-58.4937 **	-57.4744 **
2606.6625	-13.0000	-47.9300 *	-43.9800 *
3475.5500	-13.0000	-52.8366 **	-52.8148 **
4344.4375	-13.0000	-51.6580 **	-51.6463 **
5213.3250	-13.0000	-49.8936 **	-48.9472 **
6082.2125	-13.0000	-47.0798 **	-47.4995 **
6951.1000	-13.0000	-44.1622 **	-44.9362 **
7819.9875	-13.0000	-43.3454 **	-42.2315 **
8688.8750	-13.0000	-42.3185 **	-42.6871 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

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

Model Number: M25VRS9PW1BN
 Battery Part No: NA

SAC Transmitter Radiated Emission:
 S/N: 471TXB1946
 Accy Part No: HMN1089C-C3, HSN4040A-CF1, HKN4192B-C3, 3466-HKN6163C-6,
 PMHN4194C-CF13
 Test Mode: TX APCO Digital Phase II

SR:24823-EMC-00015

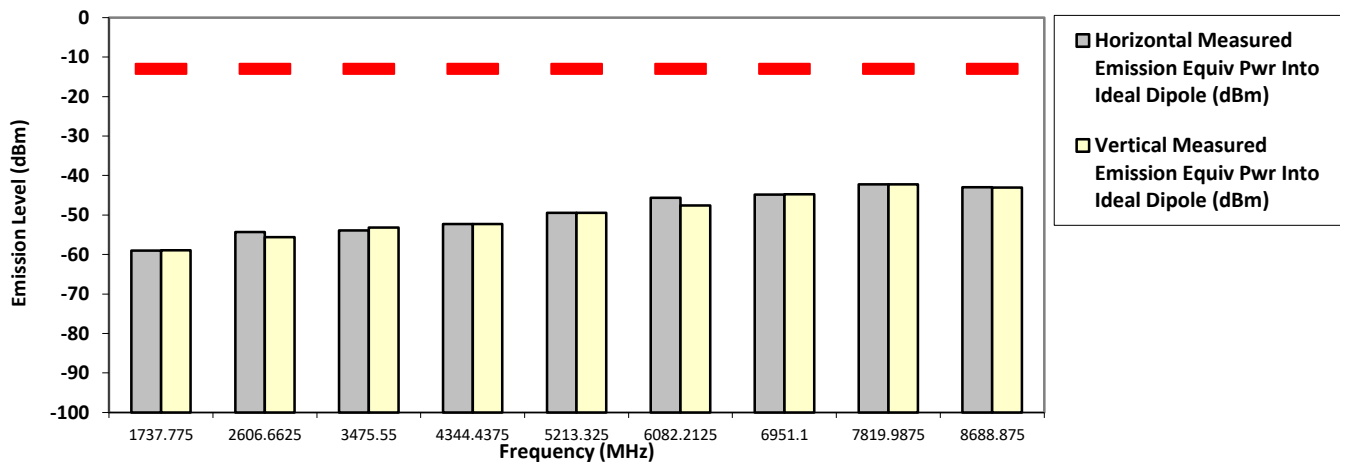
868.887500 MHz

12.5 kHz

3.000 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)
1737.7750	-13.0000	-58.9997 **	-58.8954 **
2606.6625	-13.0000	-54.3427 **	-55.6098 **
3475.5500	-13.0000	-53.8784 **	-53.1526 **
4344.4375	-13.0000	-52.2677 **	-52.3044 **
5213.3250	-13.0000	-49.4445 **	-49.4068 **
6082.2125	-13.0000	-45.6549 **	-47.5613 **
6951.1000	-13.0000	-44.8559 **	-44.7826 **
7819.9875	-13.0000	-42.1985 **	-42.2302 **
8688.8750	-13.0000	-42.9761 **	-43.0718 **

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, 28 Jan, 2021

Remarks: ** Indicates the spurious emission could not be detected due to noise limitations or ambient.
 *Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.4 Hum(%RH): 69.5

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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6.11.4. Test Limit

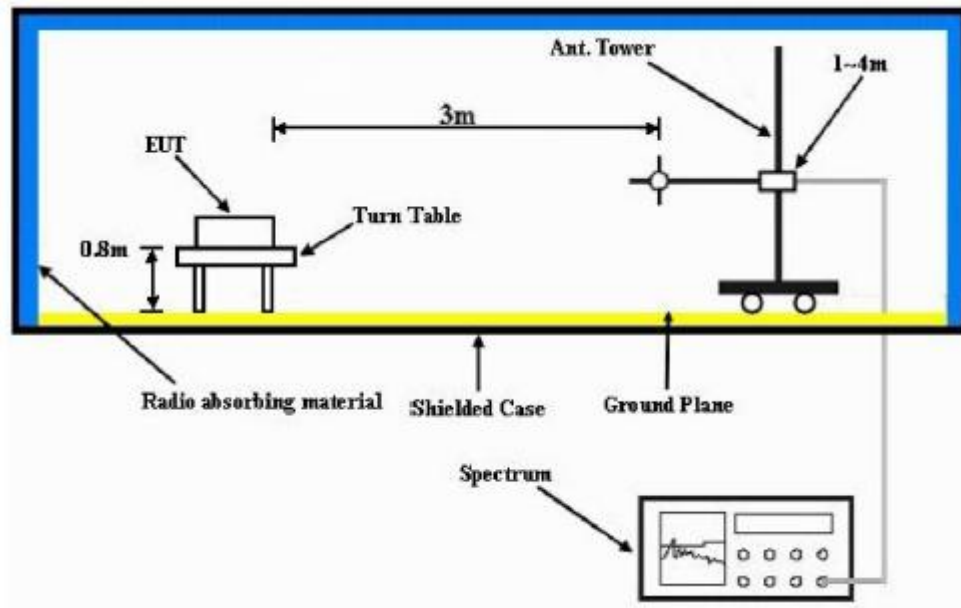
Table below summarized the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least

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

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

6.12. Effective Radiated Power (ERP)

6.12.1. Test Setup



- 1) The Resolution Bandwidth for Equivalent Radiated Power (ERP) below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for EIRP above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector Mode is RMS.
- 2) In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height (for $F_c < 1\text{GHz}$) or 1.5m (for $F_c > 1\text{GHz}$) of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The “Read Value” is the spectrum reading of maximum power value.
- 3) The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.

6.12.2. Test Result

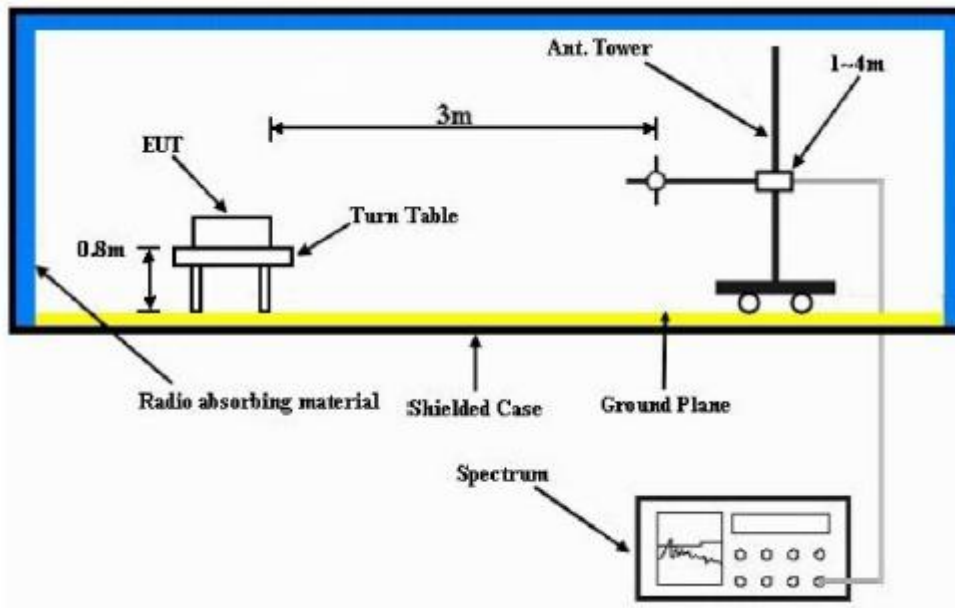
Not Applicable

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) $EIRP = \text{“Read Value”} + \text{Measured substitution value} + 2.15$.

6.13.1. 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 ~