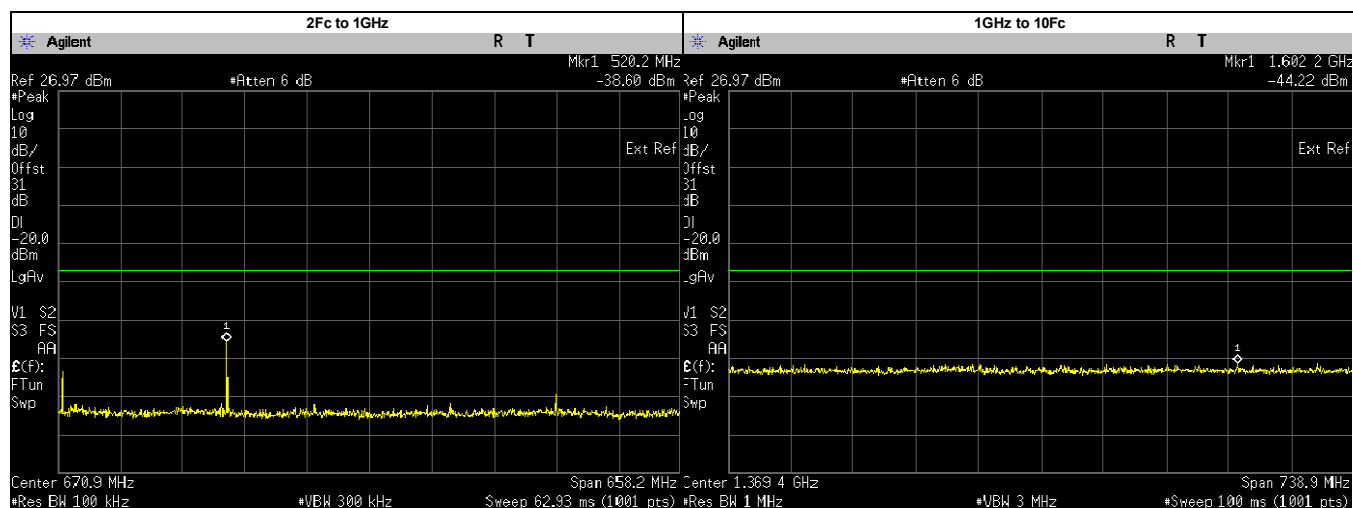
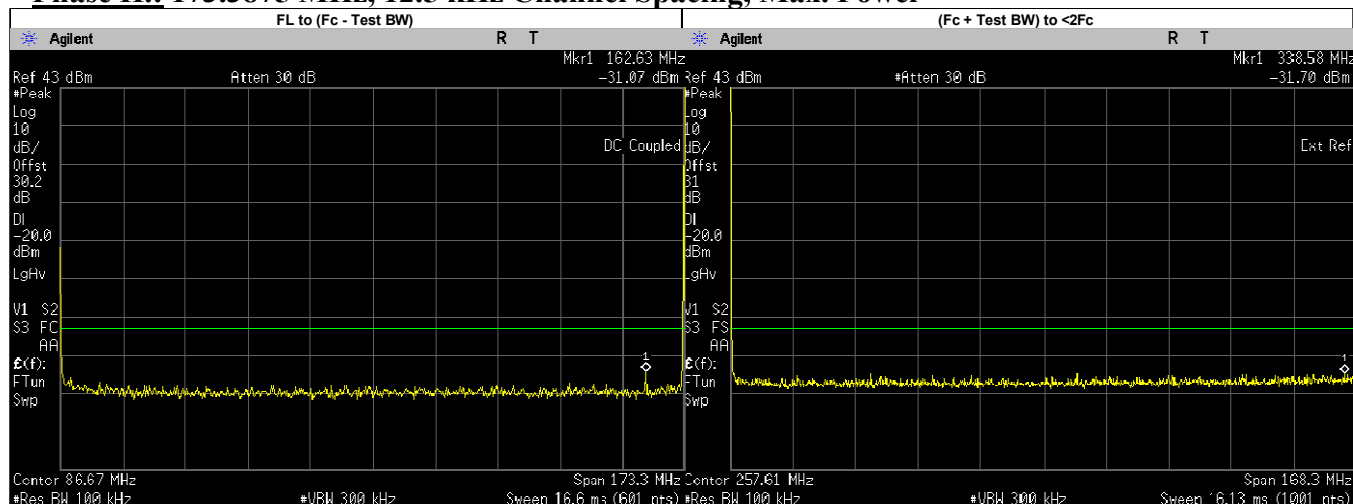
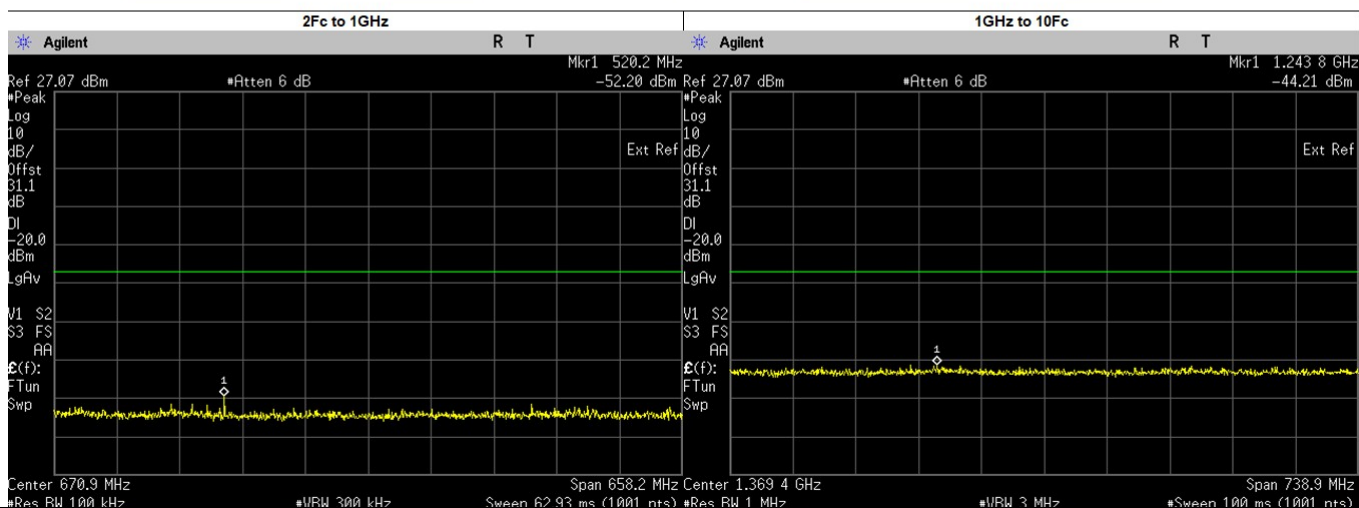
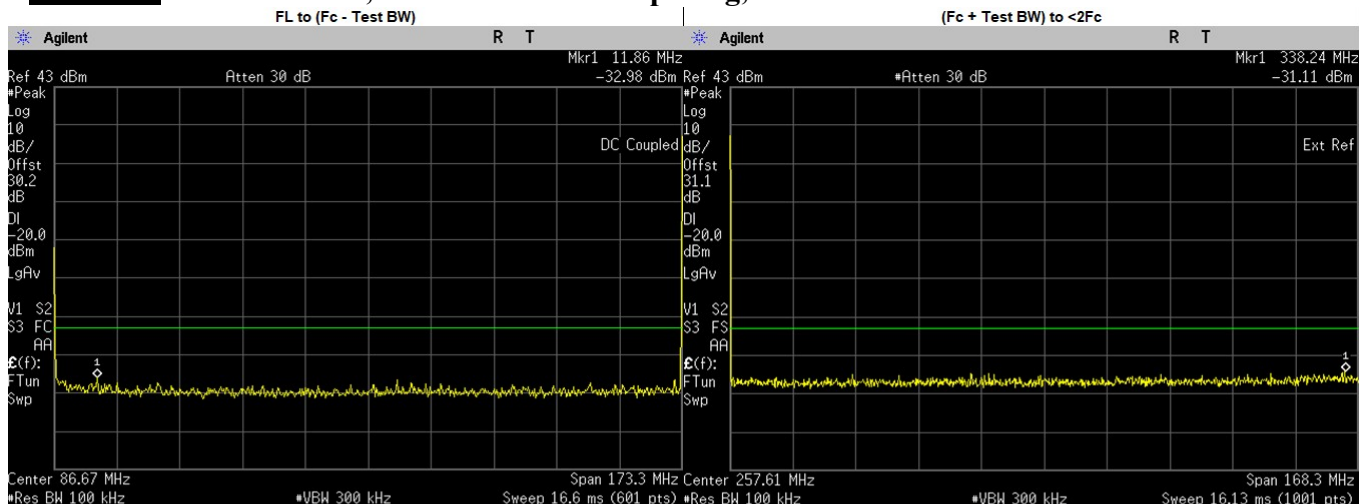


Phase II.: 173.3875 MHz, 12.5 kHz Channel Spacing, Max. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	162.6300	-31.0700	-20.00	PASS
(Fc + Test BW) to <2Fc	338.5767	-31.7000	-20.00	PASS
2Fc to 1GHz	346.3826	-49.4600	-20.00	PASS
	346.7750	-47.6637	-20.00	PASS
	693.5500	-57.7931	-20.00	PASS
	866.9375	-52.9978	-20.00	PASS
	520.1625	-38.8439	-20.00	PASS
1GHz to 10Fc	1602.1830	-44.2200	-20.00	PASS
	1040.3250	-46.5583	-20.00	PASS
	1213.7130	-46.2204	-20.00	PASS
	1387.1000	-46.6001	-20.00	PASS
	1560.4870	-45.8813	-20.00	PASS
	1733.8750	-46.6080	-20.00	PASS

Phase II.: 173.3875 MHz, 12.5 kHz Channel Spacing, Low. Power



Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	11.8600	-32.9800	-20.00	PASS
(Fc + Test BW) to <2Fc	338.2400	-31.1100	-20.00	PASS
2Fc to 1GHz	486.5845	-54.2800	-20.00	PASS
	346.7750	-56.2112	-20.00	PASS
	520.1625	-52.2641	-20.00	PASS
	693.5500	-57.4896	-20.00	PASS
	866.9375	-57.3329	-20.00	PASS
1GHz to 10Fc	1243.8290	-44.2000	-20.00	PASS
	1040.3250	-45.6336	-20.00	PASS
	1213.7130	-46.0978	-20.00	PASS
	1387.1000	-45.9057	-20.00	PASS
	1560.4870	-45.8091	-20.00	PASS
	1733.8750	-46.3265	-20.00	PASS

6.10.2. Test Limit

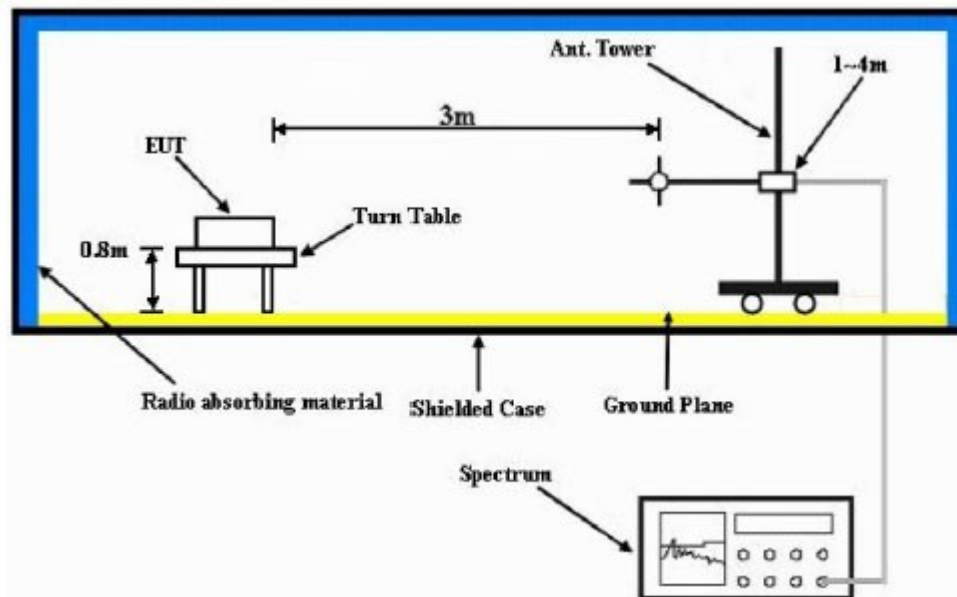
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

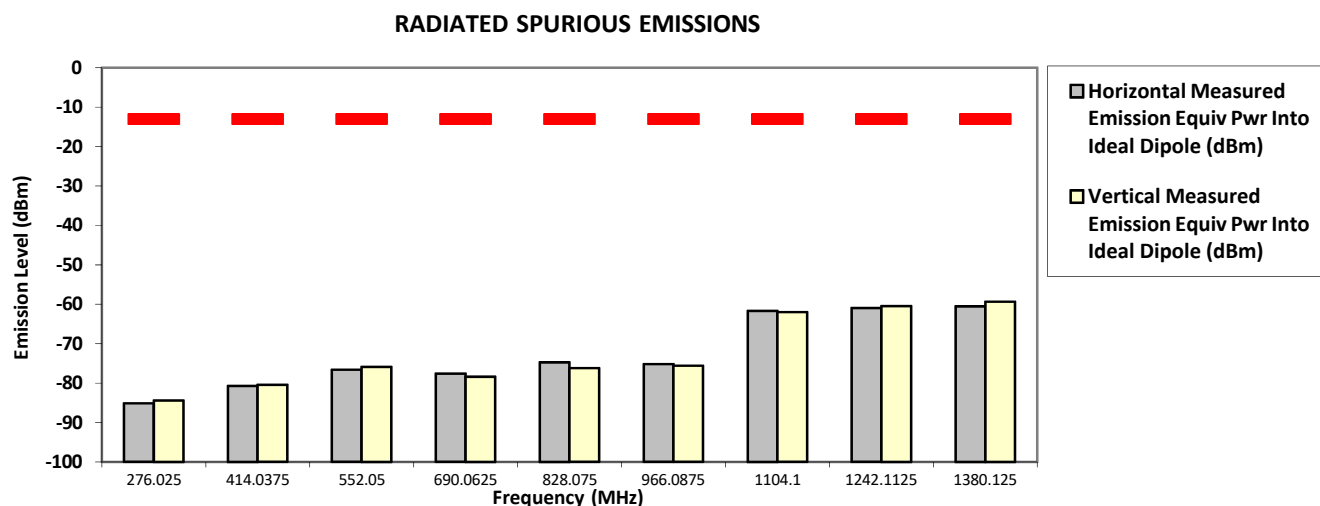


- 1) The Resolution Bandwidth for scanning Radiated Emission below 1 GHz is 100 kHz with Video Bandwidth = 300 kHz and Resolution Bandwidth for above 1 GHz is 1 MHz with Video Bandwidth = 3 MHz. Detector mode is positive peak.
- 2) In the semi- anechoic chamber, setup as illustrated above the DUT placed 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)

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX Analog
138.012500 MHz (Not for FCC Review) 25 kHz 60.000 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	-85.1425 **	-84.4273 **
414.0375	-13.0000	-80.7377 **	-80.4521 **
552.0500	-13.0000	-76.6329 **	-75.9085 **
690.0625	-13.0000	-77.5754 **	-78.3527 **
828.0750	-13.0000	-74.7081 **	-76.2020 **
966.0875	-13.0000	-75.1816 **	-75.6124 **
1104.1000	-13.0000	-61.6702 **	-62.0141 **
1242.1125	-13.0000	-60.9377 **	-60.4640 **
1380.1250	-13.0000	-60.4993 **	-59.3145 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Sun, 5 Dec, 2021

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

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

SR:03466-EMC-00198

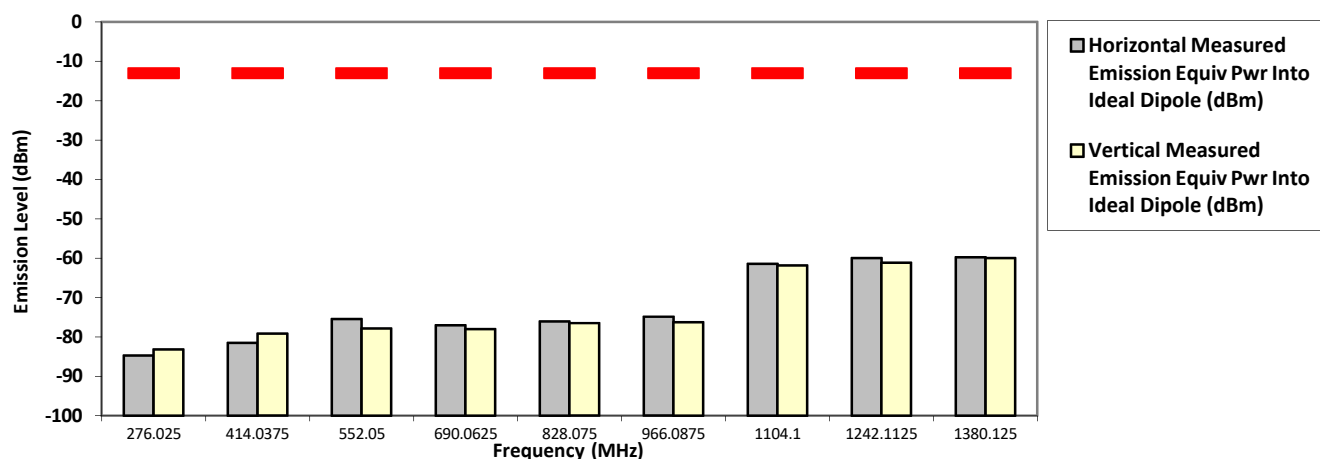
138.012500 MHz (Not for FCC Review)

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
276.0250	-13.0000	-84.7170 **	-83.1812 **
414.0375	-13.0000	-81.5066 **	-79.1600 **
552.0500	-13.0000	-75.4354 **	-77.8566 **
690.0625	-13.0000	-77.0151 **	-77.9869 **
828.0750	-13.0000	-76.0348 **	-76.4981 **
966.0875	-13.0000	-74.8543 **	-76.2471 **
1104.1000	-13.0000	-61.4084 **	-61.8295 **
1242.1125	-13.0000	-59.9569 **	-61.1527 **
1380.1250	-13.0000	-59.7639 **	-59.9418 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Sun, 5 Dec, 2021

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

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

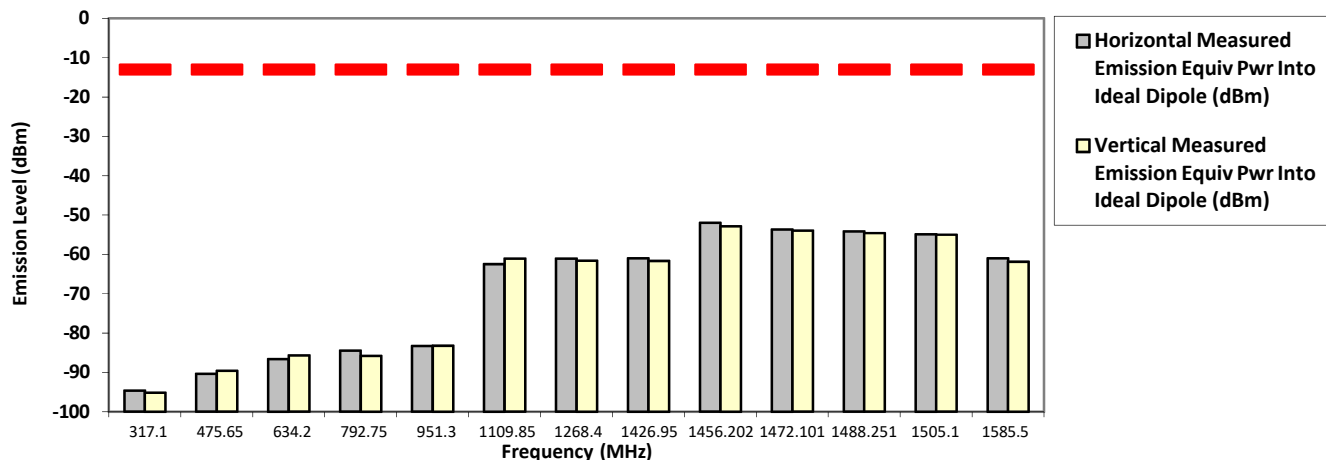
Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN **S/N:** G0P0UX0X3C **SR:** 03466-EMC-00243
Battery Part No: NA **Accy Part No:** HMN4079G-CF2, HSN4031B-C1, HKN4192B-C6, HKN6164B-C1, HKN6188B-C2, 13921-HKN6172C-1, PMHN4194C-C20, PMUN1057B-C9, AS000016A02
Test Mode: TX Analog
158.550000 MHz **25 kHz** **60.000 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	-94.6405 **	-95.1483 **
475.6500	-13.0000	-90.3640 **	-89.6318 **
634.2000	-13.0000	-86.6168 **	-85.7047 **
792.7500	-13.0000	-84.4785 **	-85.8031 **
951.3000	-13.0000	-83.3158 **	-83.2118 **
1109.8500	-13.0000	-62.4785 **	-61.0859 **
1268.4000	-13.0000	-61.0774 **	-61.5982 **
1426.9500	-13.0000	-61.0014 **	-61.6742 **
1456.2020	-13.0000	-52.0100 *	-52.8900 *
1472.1010	-13.0000	-53.6900 *	-53.9800 *
1488.2510	-13.0000	-54.1800 *	-54.6100 *
1505.1000	-13.0000	-54.9000 *	-55.0300 *
1585.5000	-13.0000	-60.9891 **	-61.8486 **

RADIATED SPURIOUS EMISSIONS



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

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

Model Number: M37TSS9PW1AN
Battery Part No: NA

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

SR:03466-EMC-00198

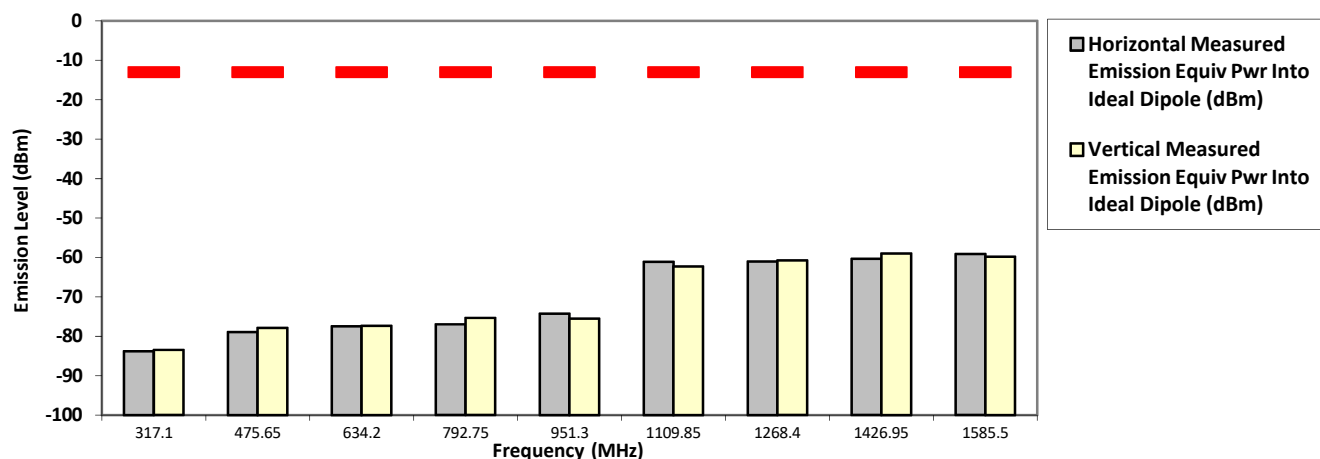
158.550000 MHz (For Part 22, 80)

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
317.1000	-13.0000	-83.7861 **	-83.4784 **
475.6500	-13.0000	-78.9548 **	-77.8976 **
634.2000	-13.0000	-77.4553 **	-77.3651 **
792.7500	-13.0000	-76.9888 **	-75.3775 **
951.3000	-13.0000	-74.2775 **	-75.5115 **
1109.8500	-13.0000	-61.1277 **	-62.2925 **
1268.4000	-13.0000	-61.0193 **	-60.8149 **
1426.9500	-13.0000	-60.3910 **	-59.0287 **
1585.5000	-13.0000	-59.1877 **	-59.8207 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Sun, 5 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

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

SR:03466-EMC-00198

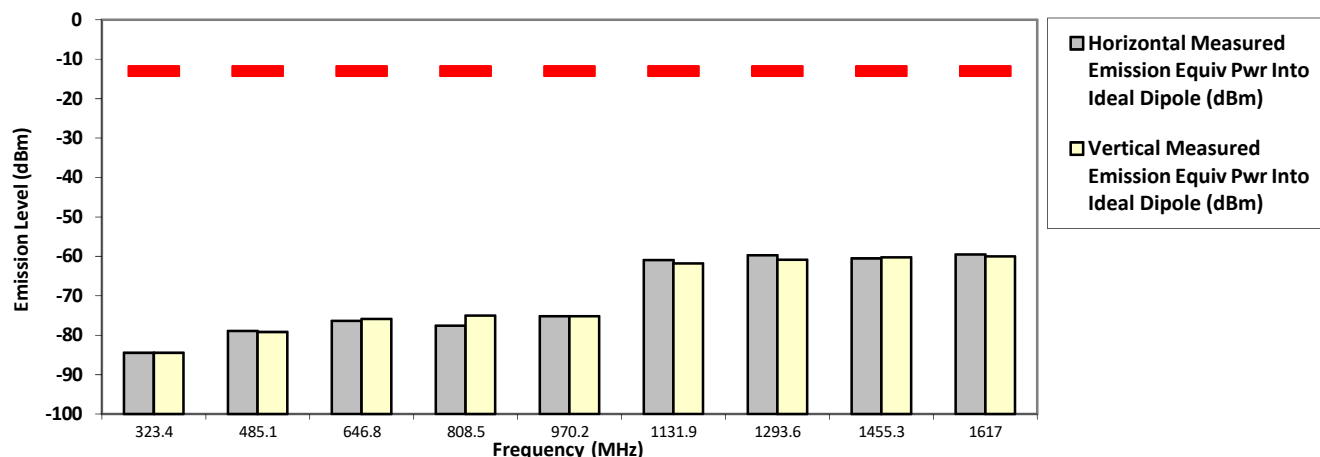
161.700000 MHz (For Part 74)

25 kHz

60.000 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	-84.4684 **	-84.4647 **
485.1000	-13.0000	-78.9320 **	-79.1979 **
646.8000	-13.0000	-76.3598 **	-75.8784 **
808.5000	-13.0000	-77.6111 **	-75.0197 **
970.2000	-13.0000	-75.2180 **	-75.2067 **
1131.9000	-13.0000	-60.9691 **	-61.8036 **
1293.6000	-13.0000	-59.7212 **	-60.8768 **
1455.3000	-13.0000	-60.5178 **	-60.2780 **
1617.0000	-13.0000	-59.5283 **	-60.0299 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Sun, 5 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

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

SR:03466-EMC-00198

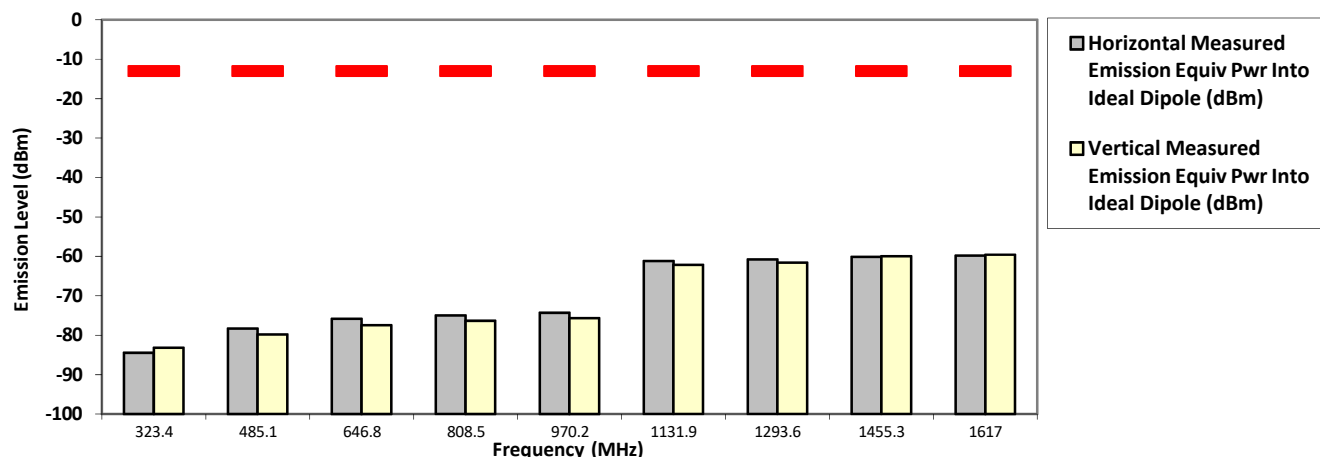
161.700000 MHz (For Part 74)

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
323.4000	-13.0000	-84.4335 **	-83.1956 **
485.1000	-13.0000	-78.3101 **	-79.8172 **
646.8000	-13.0000	-75.8705 **	-77.4658 **
808.5000	-13.0000	-75.0137 **	-76.3540 **
970.2000	-13.0000	-74.3009 **	-75.6697 **
1131.9000	-13.0000	-61.1812 **	-62.1916 **
1293.6000	-13.0000	-60.7806 **	-61.5908 **
1455.3000	-13.0000	-60.1549 **	-59.9995 **
1617.0000	-13.0000	-59.8131 **	-59.5586 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Sun, 5 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

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

SR:03466-EMC-00198

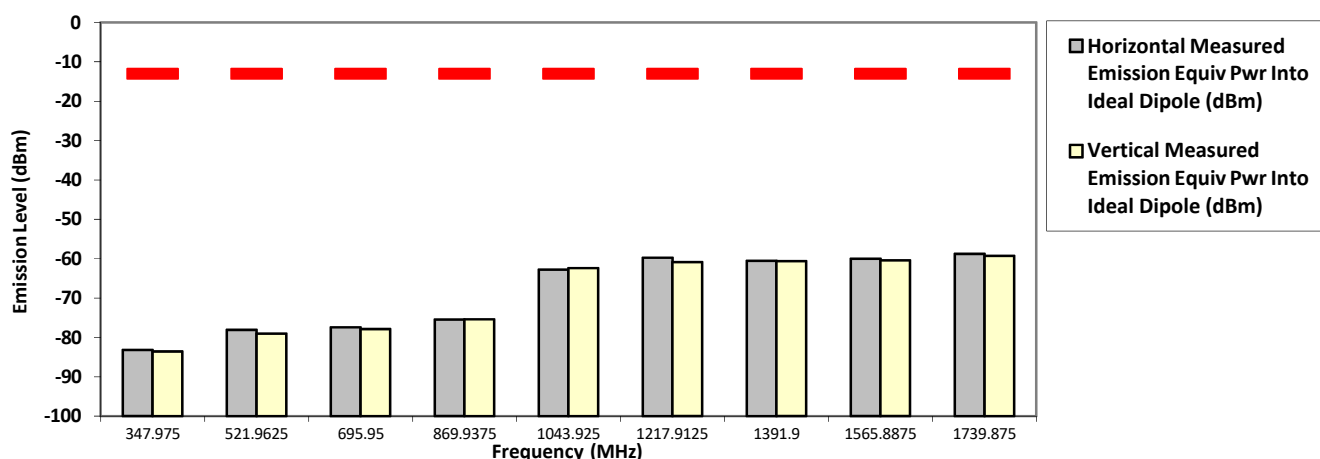
173.987500 MHz (Not for FCC review)

25 kHz

60.000 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)
347.9750	-13.0000	-83.1838 **	-83.5608 **
521.9625	-13.0000	-78.0674 **	-79.0337 **
695.9500	-13.0000	-77.4457 **	-77.8926 **
869.9375	-13.0000	-75.4981 **	-75.4107 **
1043.9250	-13.0000	-62.7483 **	-62.3876 **
1217.9125	-13.0000	-59.7700 **	-60.8898 **
1391.9000	-13.0000	-60.5444 **	-60.6713 **
1565.8875	-13.0000	-60.0329 **	-60.4632 **
1739.8750	-13.0000	-58.7981 **	-59.2838 **

RADIATED SPURIOUS EMISSIONS



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

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

Sun, 5 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

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

SR:03466-EMC-00198

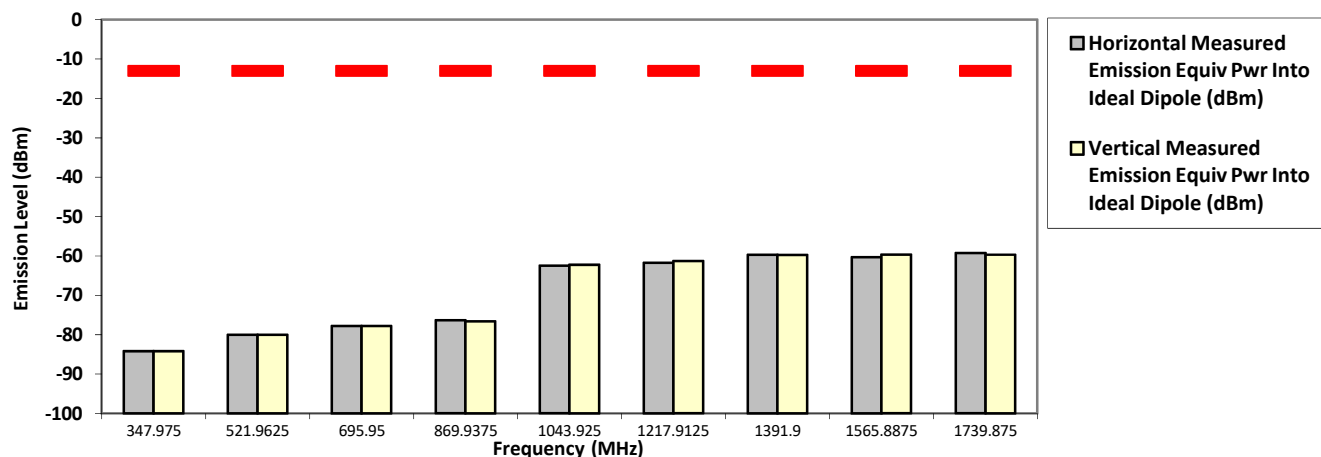
173.987500 MHz (Not for FCC review)

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
347.9750	-13.0000	-84.1696 **	-84.1810 **
521.9625	-13.0000	-80.0157 **	-80.0468 **
695.9500	-13.0000	-77.8146 **	-77.8124 **
869.9375	-13.0000	-76.3311 **	-76.6218 **
1043.9250	-13.0000	-62.4890 **	-62.2432 **
1217.9125	-13.0000	-61.7360 **	-61.2923 **
1391.9000	-13.0000	-59.7173 **	-59.7731 **
1565.8875	-13.0000	-60.3444 **	-59.6708 **
1739.8750	-13.0000	-59.2730 **	-59.6618 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Sun, 5 Dec, 2021

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

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

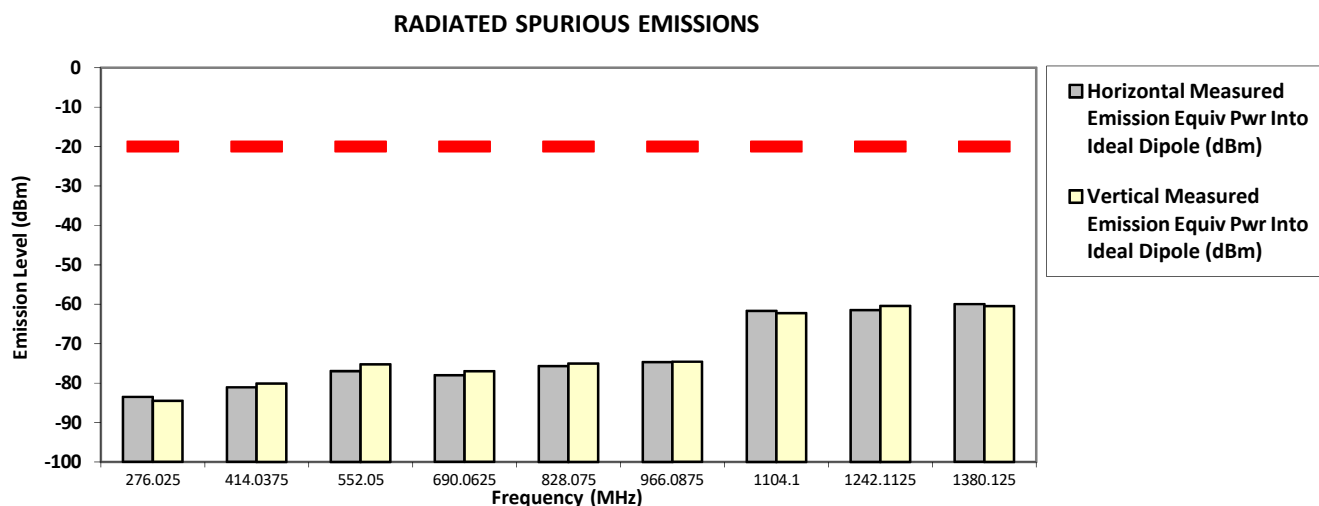
Remarks:

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

6.11.3. Test Result (Digital)

SAC Transmitter Radiated Emission:
Model Number: M37TSS9PW1AN S/N: 681TXT7177 SR:03466-EMC-00198
Battery Part No: NA Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital C4FM
138.012500 MHz (Not for FCC review) 12.5 kHz 60.000 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	-83.5373 **	-84.4789 **
414.0375	-20.0000	-81.0662 **	-80.1115 **
552.0500	-20.0000	-76.9276 **	-75.2541 **
690.0625	-20.0000	-78.0096 **	-76.9728 **
828.0750	-20.0000	-75.6932 **	-75.0569 **
966.0875	-20.0000	-74.6633 **	-74.6020 **
1104.1000	-20.0000	-61.6730 **	-62.2741 **
1242.1125	-20.0000	-61.4991 **	-60.4304 **
1380.1250	-20.0000	-59.9984 **	-60.4583 **



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Thu, 9 Dec, 2021

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

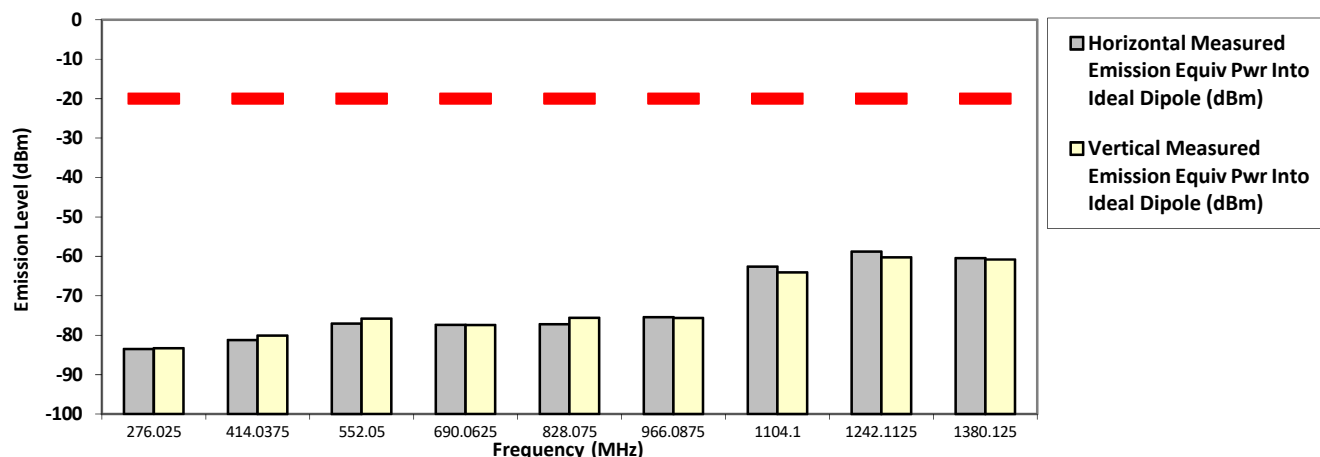
138.012500 MHz (Not for FCC review)

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
276.0250	-20.0000	-83.5013 **	-83.3292 **
414.0375	-20.0000	-81.2364 **	-80.1280 **
552.0500	-20.0000	-77.0651 **	-75.7989 **
690.0625	-20.0000	-77.3730 **	-77.4427 **
828.0750	-20.0000	-77.2292 **	-75.5911 **
966.0875	-20.0000	-75.4273 **	-75.6515 **
1104.1000	-20.0000	-62.6111 **	-64.0826 **
1242.1125	-20.0000	-58.8188 **	-60.2783 **
1380.1250	-20.0000	-60.4745 **	-60.8065 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

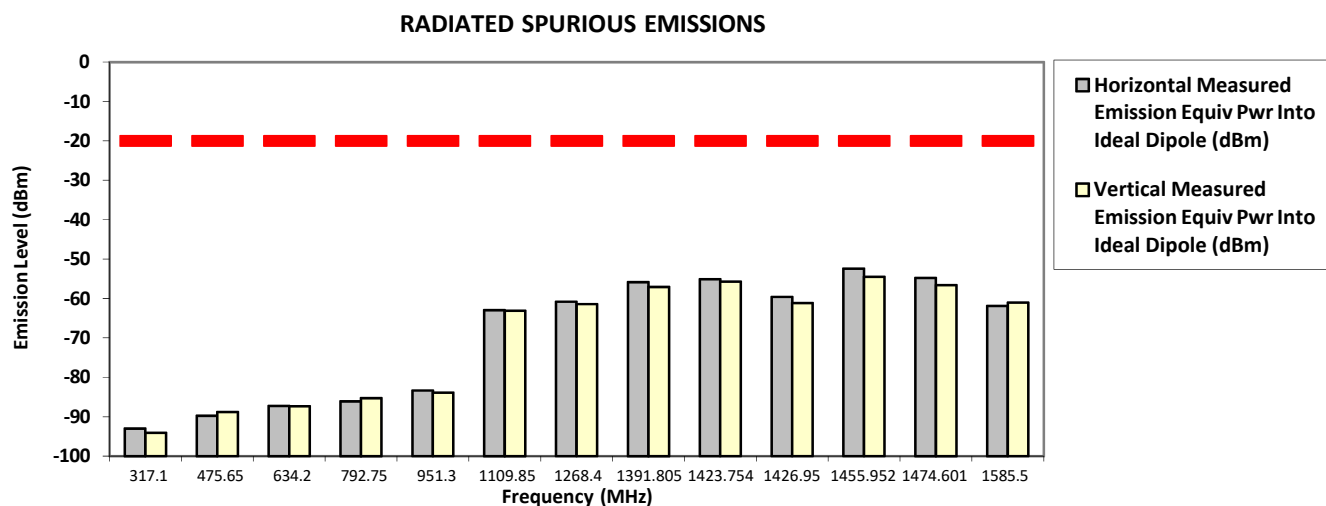
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

SAC Transmitter Radiated Emission:

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

158.550000 MHz **12.5 kHz** **60.000 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	-92.9898 **	-94.0676 **
475.6500	-20.0000	-89.7298 **	-88.8038 **
634.2000	-20.0000	-87.2625 **	-87.3535 **
792.7500	-20.0000	-86.0944 **	-85.2529 **
951.3000	-20.0000	-83.3771 **	-83.8893 **
1109.8500	-20.0000	-62.9300 **	-63.1042 **
1268.4000	-20.0000	-60.8052 **	-61.4334 **
1391.8050	-20.0000	-55.8300 *	-57.0300 *
1423.7540	-20.0000	-55.1100 *	-55.6900 *
1426.9500	-20.0000	-59.5996 **	-61.1391 **
1455.9520	-20.0000	-52.4400 *	-54.5000 *
1474.6010	-20.0000	-54.7800 *	-56.5900 *
1585.5000	-20.0000	-61.8798 **	-61.0683 **



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

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

Remarks: Passed Results Marginal Results Failed Results

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

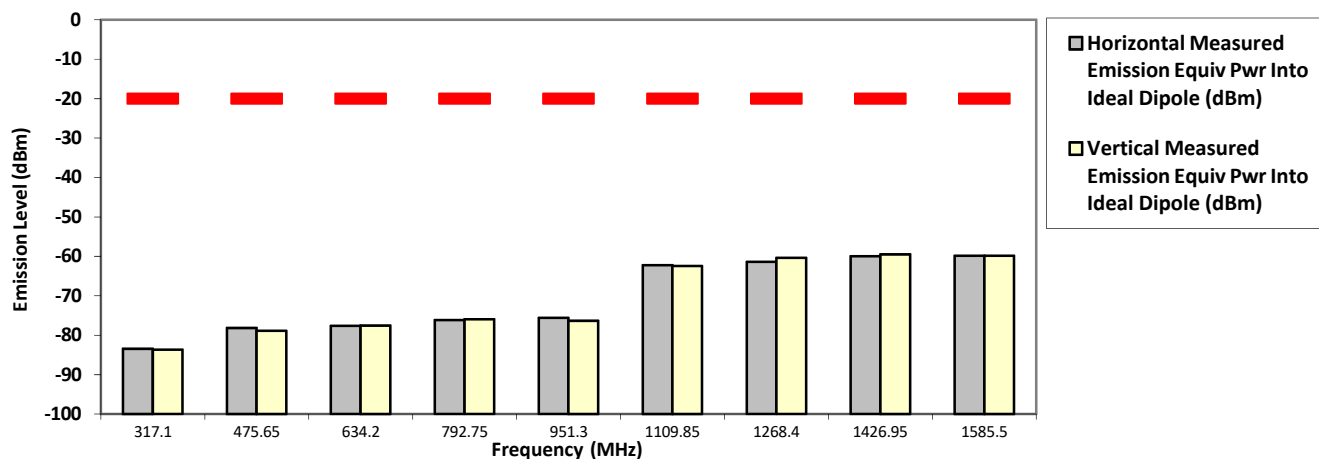
158.550000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
317.1000	-20.0000	-83.4462 **	-83.6672 **
475.6500	-20.0000	-78.1472 **	-78.9037 **
634.2000	-20.0000	-77.6159 **	-77.5528 **
792.7500	-20.0000	-76.1875 **	-75.9797 **
951.3000	-20.0000	-75.6255 **	-76.3266 **
1109.8500	-20.0000	-62.2404 **	-62.4421 **
1268.4000	-20.0000	-61.3860 **	-60.3841 **
1426.9500	-20.0000	-60.0029 **	-59.4840 **
1585.5000	-20.0000	-59.8577 **	-59.8549 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

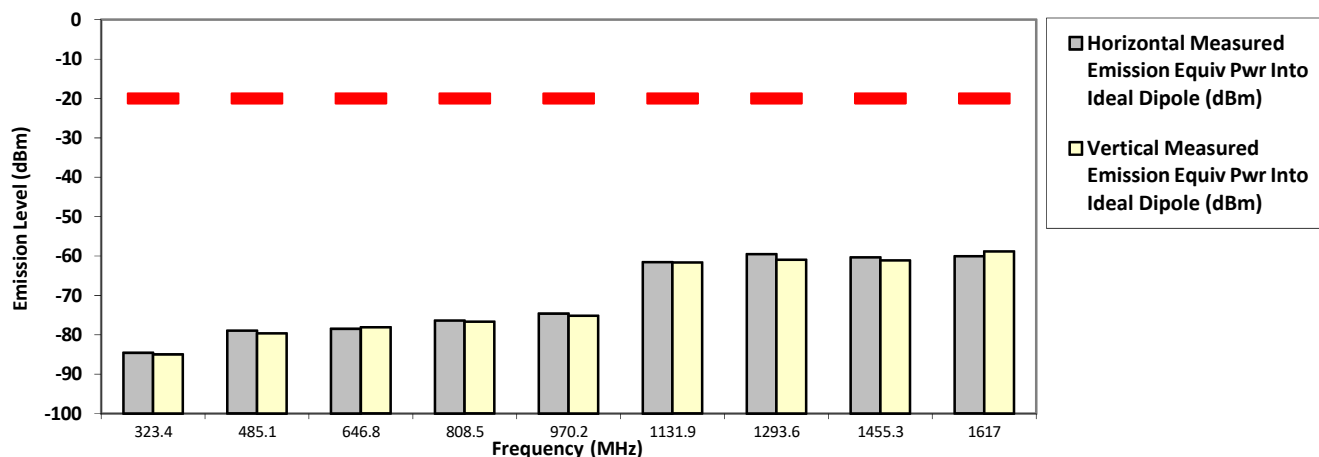
161.700000 MHz

12.5 kHz

60.000 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	-84.5450 **	-84.9488 **
485.1000	-20.0000	-78.9690 **	-79.6405 **
646.8000	-20.0000	-78.4595 **	-78.1074 **
808.5000	-20.0000	-76.3813 **	-76.6919 **
970.2000	-20.0000	-74.5984 **	-75.1663 **
1131.9000	-20.0000	-61.5630 **	-61.6282 **
1293.6000	-20.0000	-59.5298 **	-60.9742 **
1455.3000	-20.0000	-60.3365 **	-61.1133 **
1617.0000	-20.0000	-60.0687 **	-58.8017 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

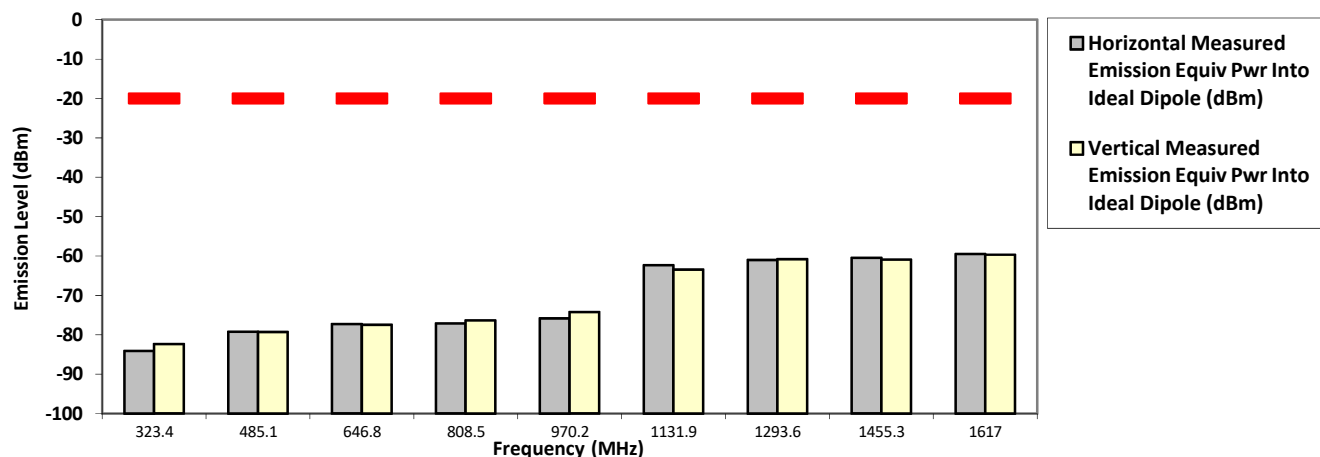
161.700000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
323.4000	-20.0000	-84.1134 **	-82.3666 **
485.1000	-20.0000	-79.2349 **	-79.2907 **
646.8000	-20.0000	-77.2763 **	-77.4509 **
808.5000	-20.0000	-77.1102 **	-76.3641 **
970.2000	-20.0000	-75.8099 **	-74.2241 **
1131.9000	-20.0000	-62.3196 **	-63.4232 **
1293.6000	-20.0000	-61.0013 **	-60.7763 **
1455.3000	-20.0000	-60.4561 **	-60.9040 **
1617.0000	-20.0000	-59.5032 **	-59.6399 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

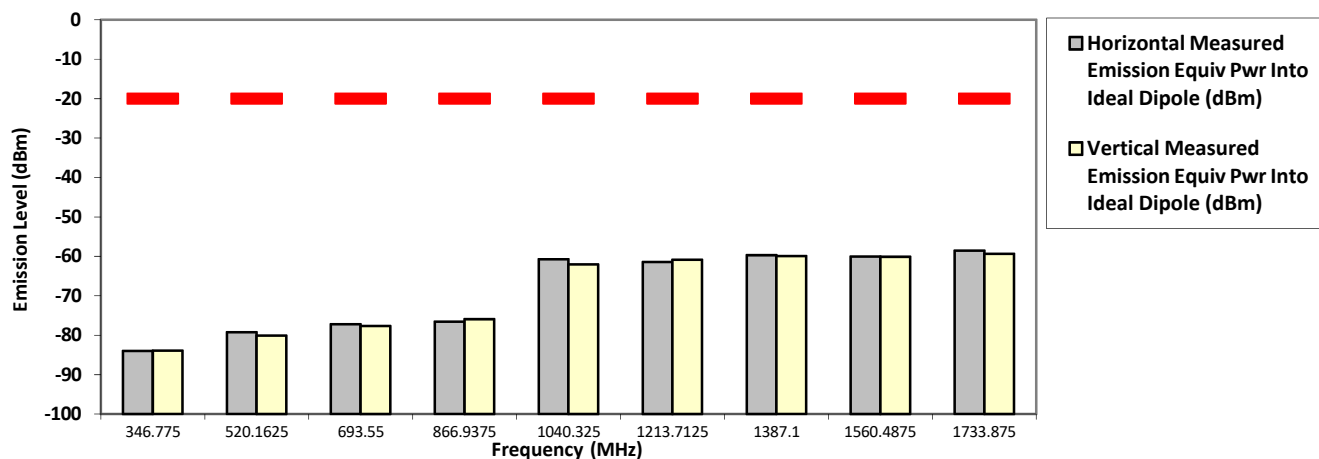
173.387500 MHz

12.5 kHz

60.000 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	-84.0015 **	-83.9311 **
520.1625	-20.0000	-79.2668 **	-80.1117 **
693.5500	-20.0000	-77.2502 **	-77.6609 **
866.9375	-20.0000	-76.5974 **	-75.9498 **
1040.3250	-20.0000	-60.7609 **	-62.0383 **
1213.7125	-20.0000	-61.4382 **	-60.8771 **
1387.1000	-20.0000	-59.7146 **	-59.9330 **
1560.4875	-20.0000	-60.0560 **	-60.1018 **
1733.8750	-20.0000	-58.5573 **	-59.3228 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital C4FM

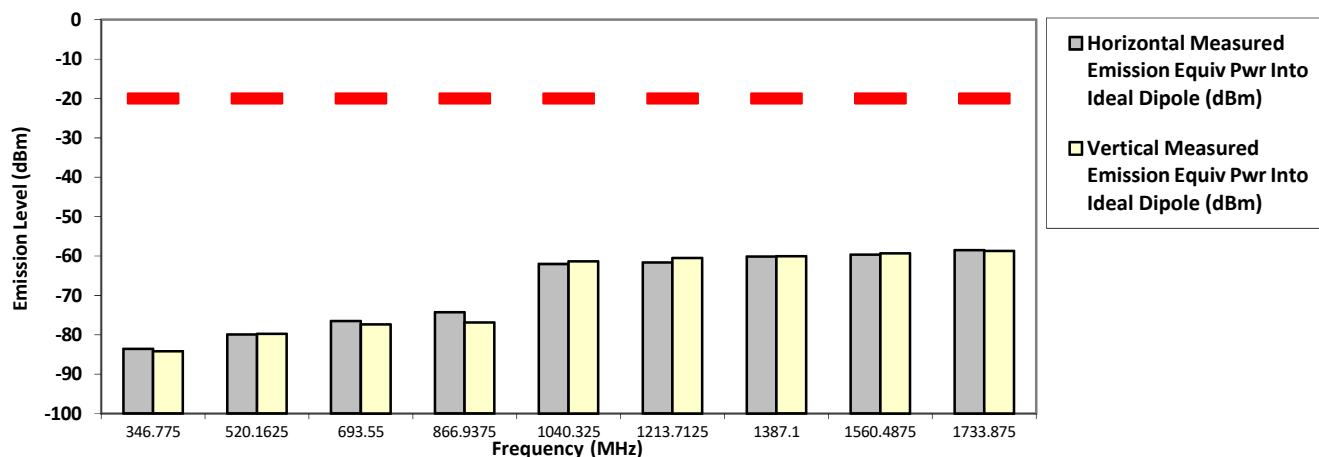
173.387500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
346.7750	-20.0000	-83.5861 **	-84.2048 **
520.1625	-20.0000	-79.9304 **	-79.7528 **
693.5500	-20.0000	-76.5067 **	-77.3706 **
866.9375	-20.0000	-74.2605 **	-76.8891 **
1040.3250	-20.0000	-61.9986 **	-61.3752 **
1213.7125	-20.0000	-61.6359 **	-60.5163 **
1387.1000	-20.0000	-60.1261 **	-60.0641 **
1560.4875	-20.0000	-59.6524 **	-59.3151 **
1733.8750	-20.0000	-58.5096 **	-58.7060 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

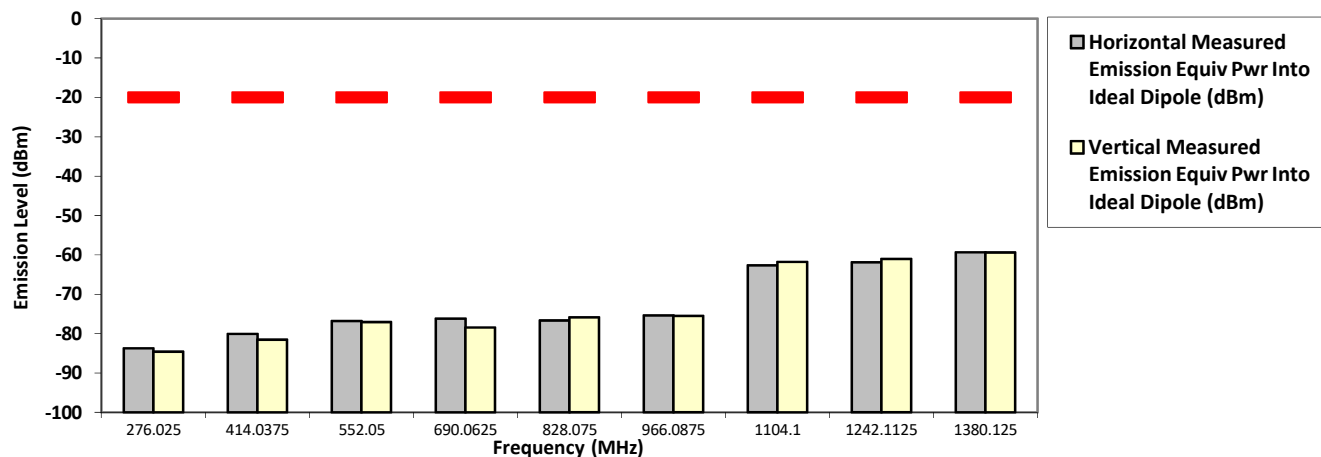
138.012500 MHz (Not for FCC review)

12.5 kHz

60.000 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	-83.7158 **	-84.5866 **
414.0375	-20.0000	-80.0840 **	-81.5196 **
552.0500	-20.0000	-76.7790 **	-77.0514 **
690.0625	-20.0000	-76.1540 **	-78.4666 **
828.0750	-20.0000	-76.6768 **	-75.8755 **
966.0875	-20.0000	-75.3546 **	-75.5334 **
1104.1000	-20.0000	-62.6772 **	-61.7744 **
1242.1125	-20.0000	-61.9015 **	-61.0621 **
1380.1250	-20.0000	-59.3518 **	-59.4045 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II

SR:03466-EMC-00198

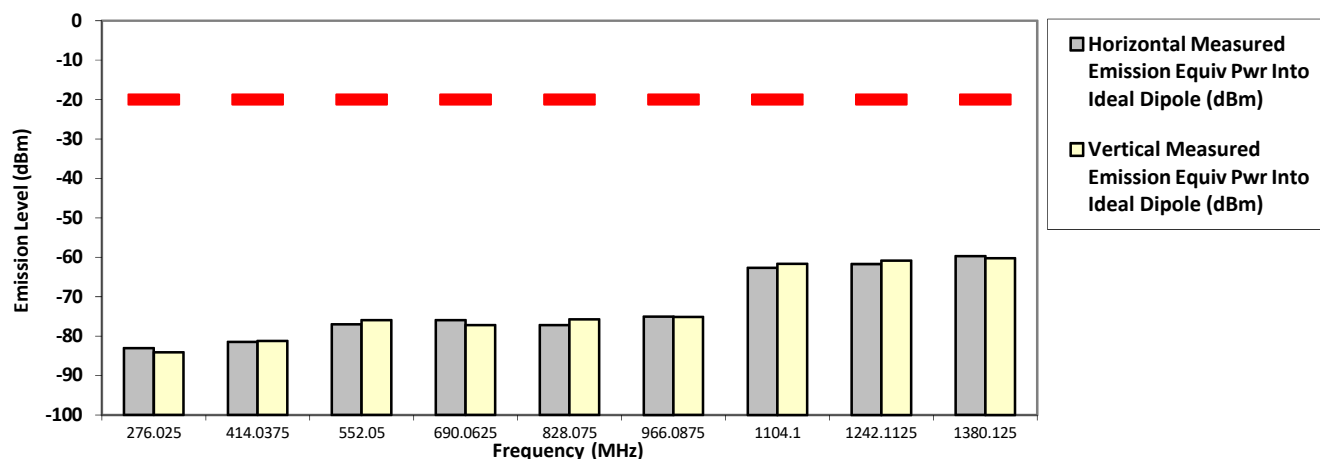
138.012500 MHz (Not for FCC review)

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
276.0250	-20.0000	-83.0914 **	-84.1104 **
414.0375	-20.0000	-81.4834 **	-81.2427 **
552.0500	-20.0000	-77.0078 **	-75.9909 **
690.0625	-20.0000	-75.9568 **	-77.2496 **
828.0750	-20.0000	-77.2166 **	-75.7616 **
966.0875	-20.0000	-75.0375 **	-75.1512 **
1104.1000	-20.0000	-62.6671 **	-61.6407 **
1242.1125	-20.0000	-61.7393 **	-60.8237 **
1380.1250	-20.0000	-59.7488 **	-60.2423 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Thu, 9 Dec, 2021

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

Remarks: Passed Results Marginal Results Failed Results

SAC Transmitter Radiated Emission:

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

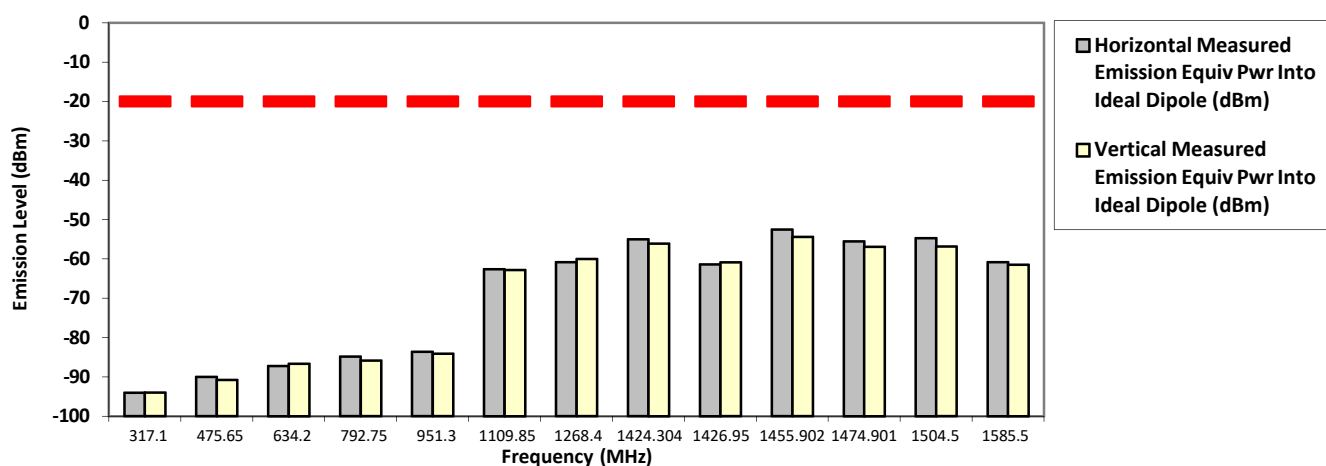
Test Mode: TX APCO Digital Phase II
12.5 kHz

158.550000 MHz

60.000 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	-94.0722 **	-94.0383 **
475.6500	-20.0000	-90.0568 **	-90.8022 **
634.2000	-20.0000	-87.2260 **	-86.6606 **
792.7500	-20.0000	-84.8744 **	-85.9042 **
951.3000	-20.0000	-83.6637 **	-84.1316 **
1109.8500	-20.0000	-62.6217 **	-62.8473 **
1268.4000	-20.0000	-60.8867 **	-60.0611 **
1424.3040	-20.0000	-55.0500 *	-56.1300 *
1426.9500	-20.0000	-61.4051 **	-60.9318 **
1455.9020	-20.0000	-52.5900 *	-54.4600 *
1474.9010	-20.0000	-55.5700 *	-56.9400 *
1504.5000	-20.0000	-54.7600 *	-56.8900 *
1585.5000	-20.0000	-60.8308 **	-61.4745 **

RADIATED SPURIOUS EMISSIONS



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

Motorola Penang EMC Lab - Test Performed by: Faris

Sat, 19 Feb, 2022

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

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

Remarks:

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

SAC Transmitter Radiated Emission:
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II

SR:03466-EMC-00198

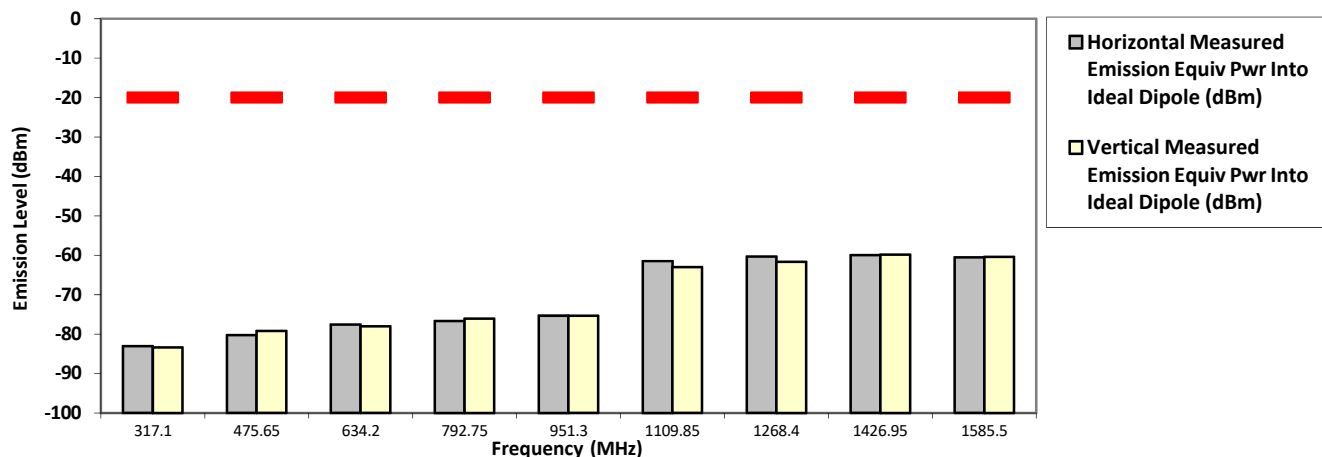
158.550000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
317.1000	-20.0000	-83.0904 **	-83.3526 **
475.6500	-20.0000	-80.2547 **	-79.2302 **
634.2000	-20.0000	-77.5752 **	-78.0496 **
792.7500	-20.0000	-76.6787 **	-76.0336 **
951.3000	-20.0000	-75.3214 **	-75.3753 **
1109.8500	-20.0000	-61.5000 **	-63.0330 **
1268.4000	-20.0000	-60.3620 **	-61.6576 **
1426.9500	-20.0000	-59.9804 **	-59.8054 **
1585.5000	-20.0000	-60.5651 **	-60.3959 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Thu, 9 Dec, 2021

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

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

Remarks: Passed Results Marginal Results Failed Results

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II

SR:03466-EMC-00198

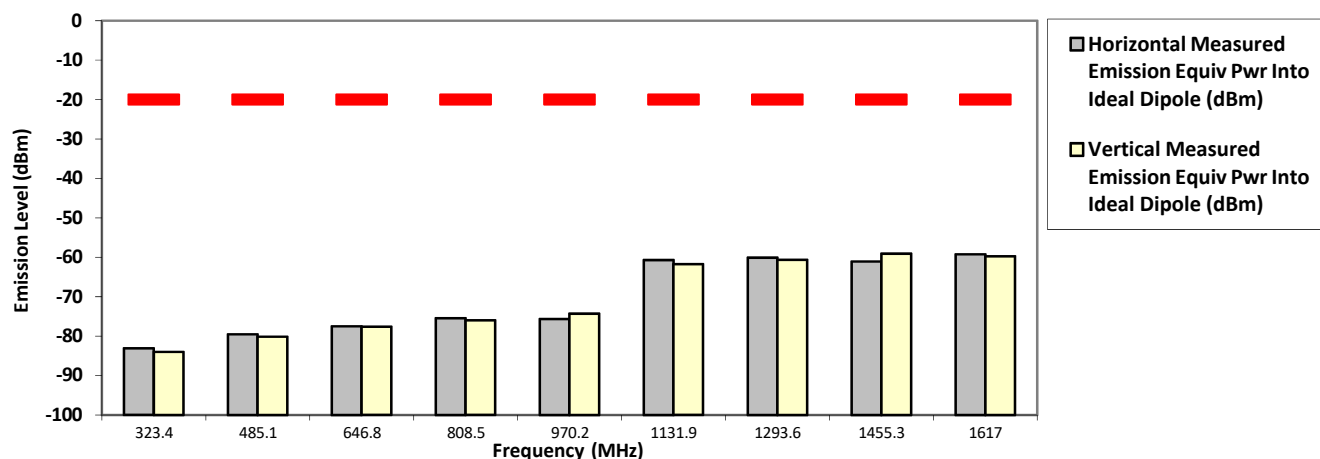
161.700000 MHz

12.5 kHz

60.000 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	-83.0980 **	-84.0061 **
485.1000	-20.0000	-79.5295 **	-80.1468 **
646.8000	-20.0000	-77.5331 **	-77.6194 **
808.5000	-20.0000	-75.4282 **	-76.0104 **
970.2000	-20.0000	-75.6626 **	-74.2999 **
1131.9000	-20.0000	-60.7095 **	-61.7752 **
1293.6000	-20.0000	-60.1191 **	-60.6304 **
1455.3000	-20.0000	-61.0898 **	-59.1098 **
1617.0000	-20.0000	-59.2490 **	-59.7215 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Thu, 9 Dec, 2021

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

Remarks: Passed Results Marginal Results Failed Results

Model Number: M37TSS9PW1AN
Battery Part No: NA

SAC Transmitter Radiated Emission:
S/N: 681TXT7177
Accy Part No: AN000163A01, HMN4079G-C4, HKN6163C-C6, PMHN4194C
Test Mode: TX APCO Digital Phase II

SR:03466-EMC-00198

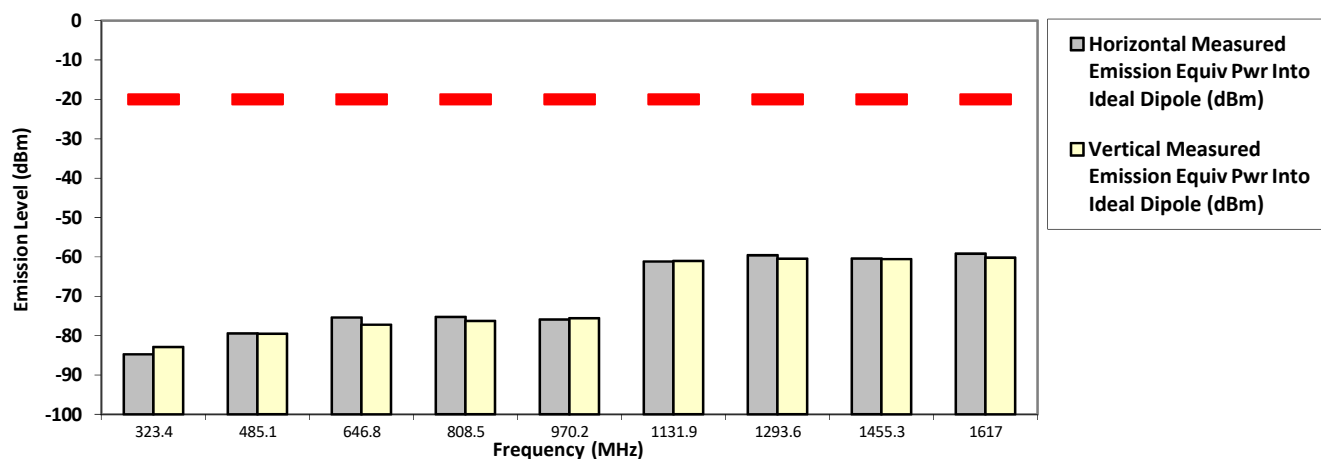
161.700000 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
323.4000	-20.0000	-84.7594 **	-82.8840 **
485.1000	-20.0000	-79.4069 **	-79.5415 **
646.8000	-20.0000	-75.4098 **	-77.2430 **
808.5000	-20.0000	-75.2917 **	-76.3028 **
970.2000	-20.0000	-75.9377 **	-75.5751 **
1131.9000	-20.0000	-61.1862 **	-61.0387 **
1293.6000	-20.0000	-59.6045 **	-60.5093 **
1455.3000	-20.0000	-60.4657 **	-60.5864 **
1617.0000	-20.0000	-59.1888 **	-60.2221 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
Motorola Penang EMC Lab - Test Performed by : Qawiman&Nazrin Thu, 9 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

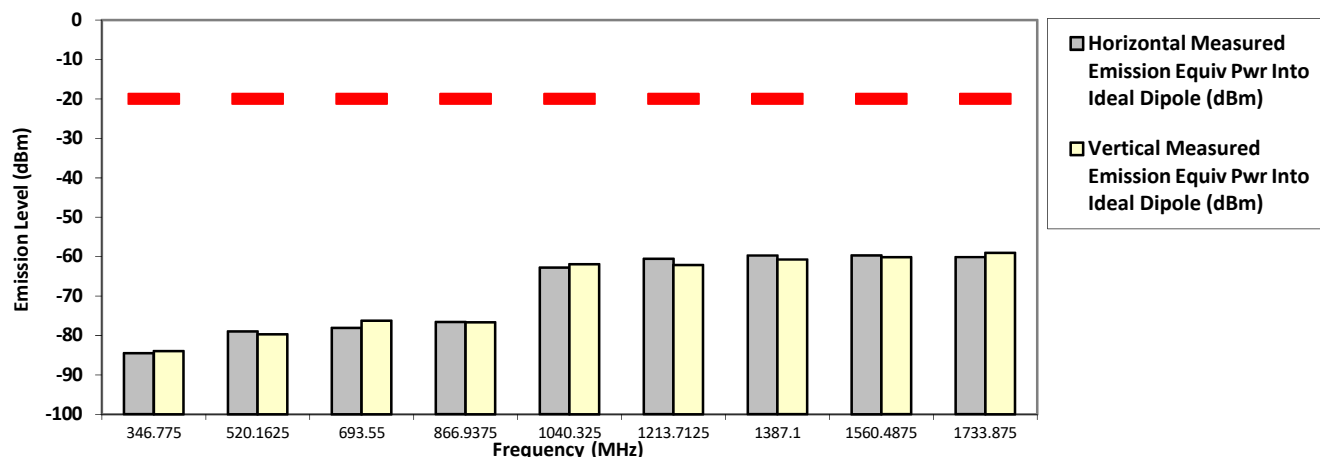
173.387500 MHz

12.5 kHz

60.000 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	-84.5362 **	-83.9718 **
520.1625	-20.0000	-78.9576 **	-79.7130 **
693.5500	-20.0000	-78.0955 **	-76.2538 **
866.9375	-20.0000	-76.6342 **	-76.6677 **
1040.3250	-20.0000	-62.8038 **	-61.9279 **
1213.7125	-20.0000	-60.6005 **	-62.1240 **
1387.1000	-20.0000	-59.7596 **	-60.7723 **
1560.4875	-20.0000	-59.7075 **	-60.1810 **
1733.8750	-20.0000	-60.1255 **	-59.0304 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

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

SAC Transmitter Radiated Emission:

S/N: 681TXT7177

SR:03466-EMC-00198

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

Test Mode: TX APCO Digital Phase II

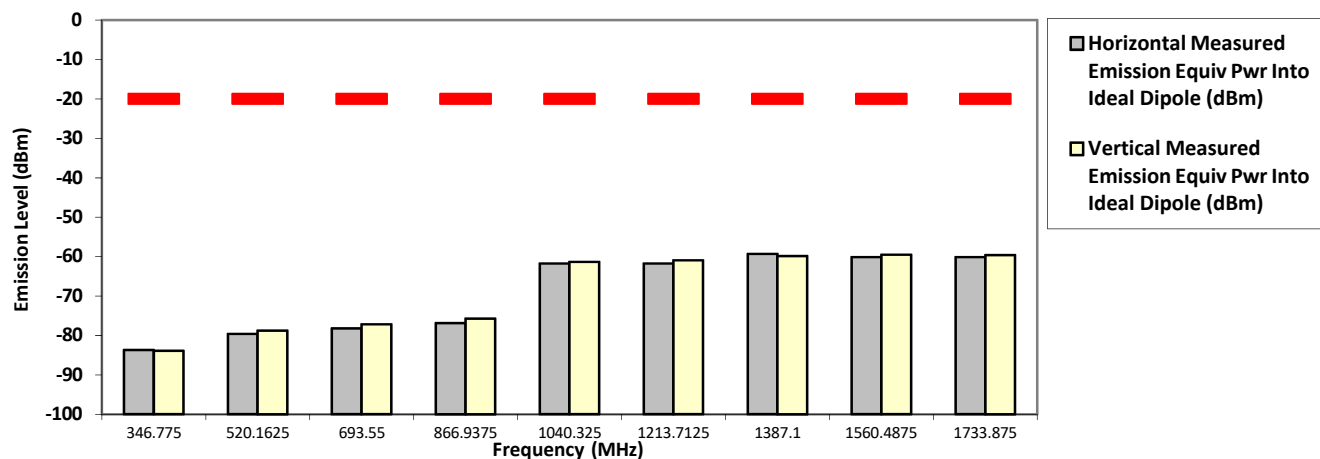
173.387500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
346.7750	-20.0000	-83.7388 **	-83.9373 **
520.1625	-20.0000	-79.6438 **	-78.7830 **
693.5500	-20.0000	-78.2387 **	-77.2057 **
866.9375	-20.0000	-76.8654 **	-75.7477 **
1040.3250	-20.0000	-61.7671 **	-61.3511 **
1213.7125	-20.0000	-61.7750 **	-60.9404 **
1387.1000	-20.0000	-59.3274 **	-59.8614 **
1560.4875	-20.0000	-60.1256 **	-59.5568 **
1733.8750	-20.0000	-60.1322 **	-59.6168 **

RADIATED SPURIOUS EMISSIONS



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

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

Thu, 9 Dec, 2021

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

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

Remarks:

Passed Results	Marginal Results	Failed Results
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6.11.4. Test Limit

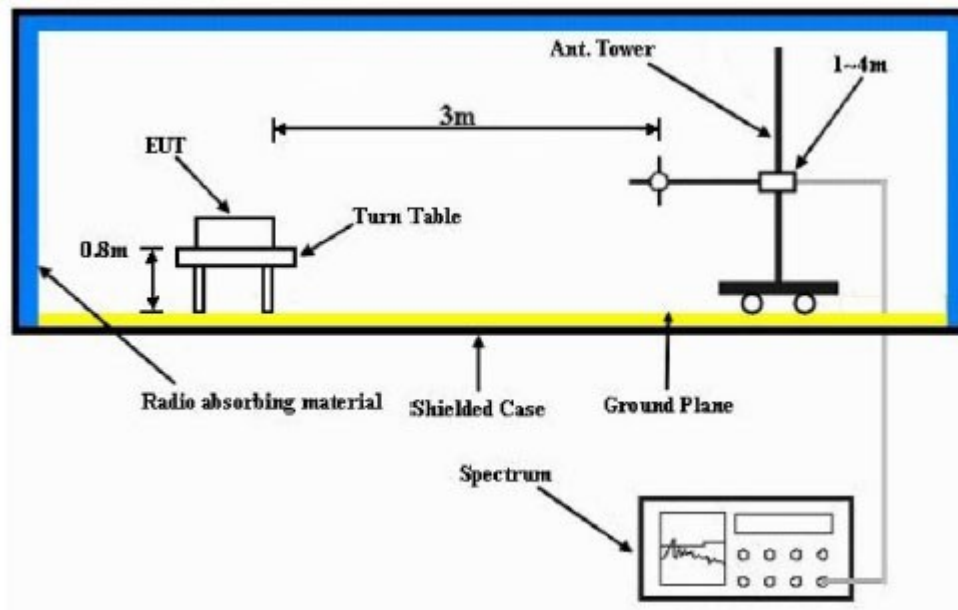
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

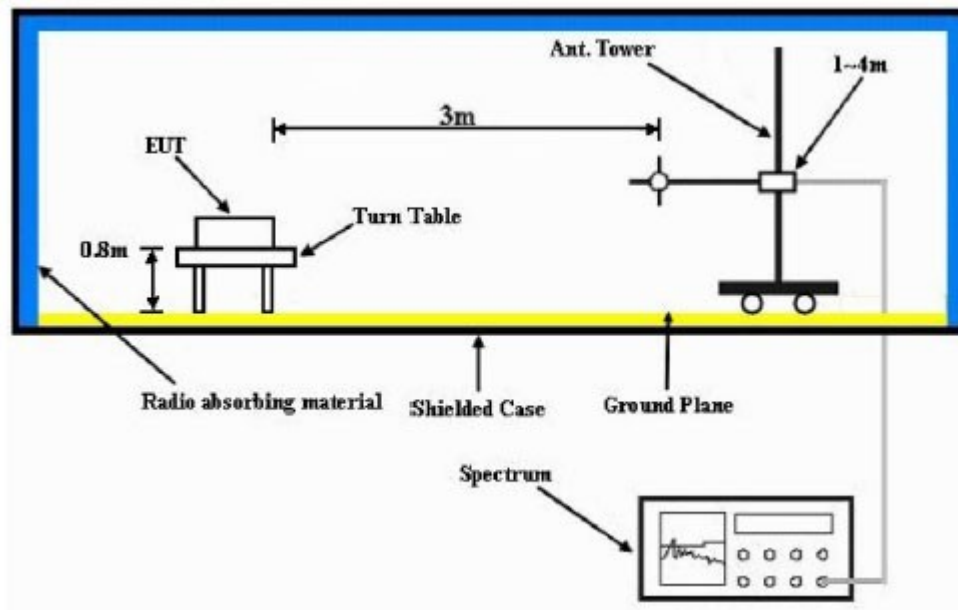
Not Applicable

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 ~