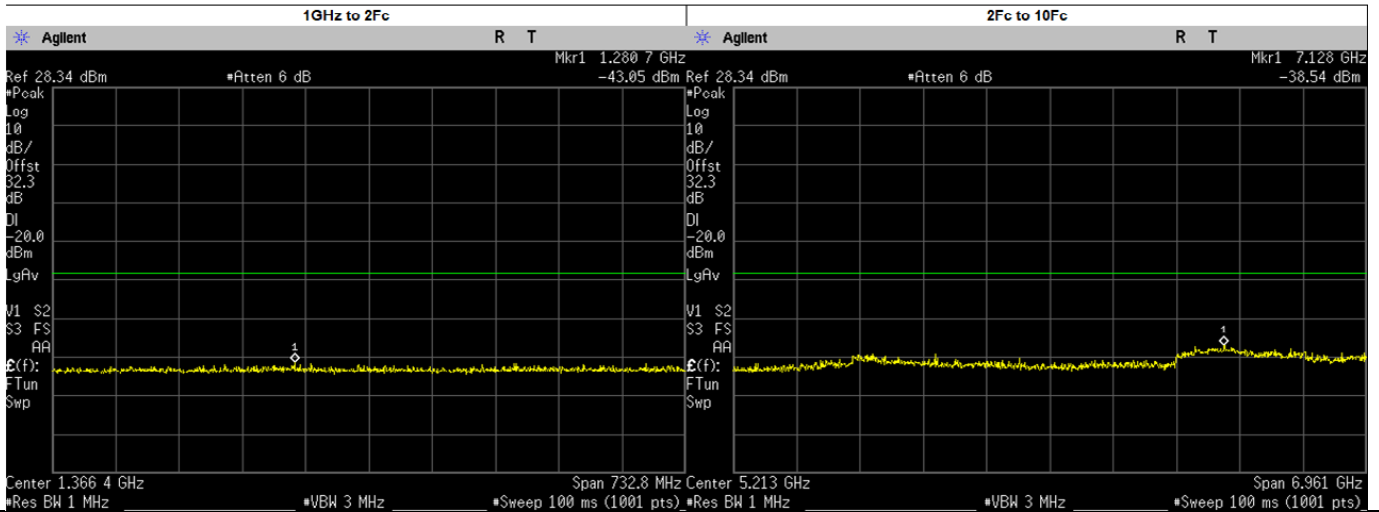
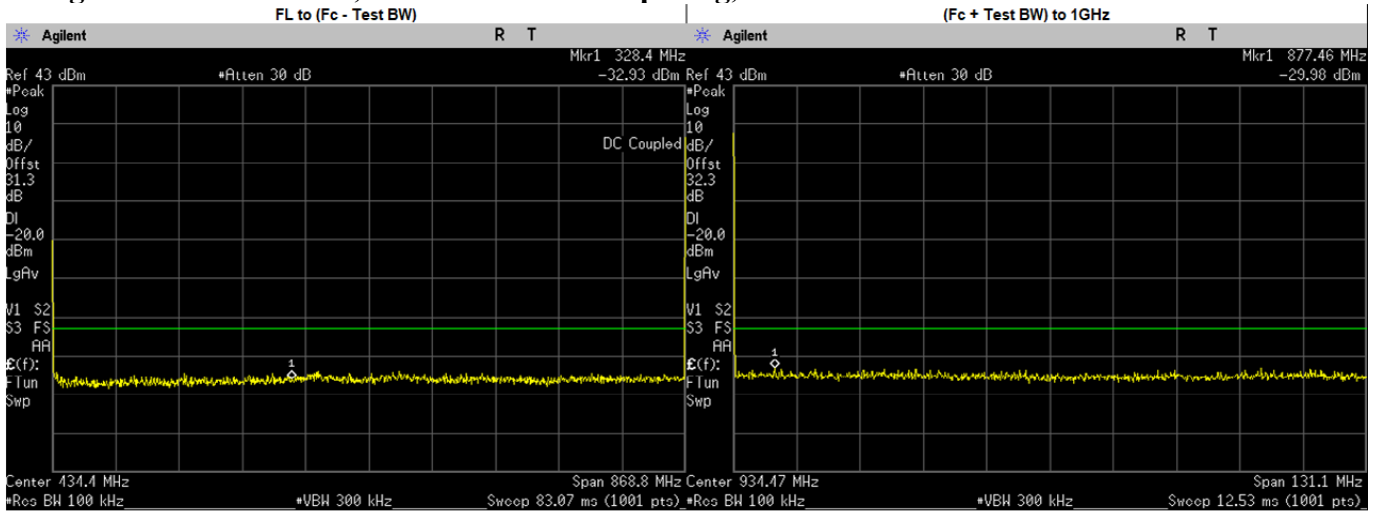
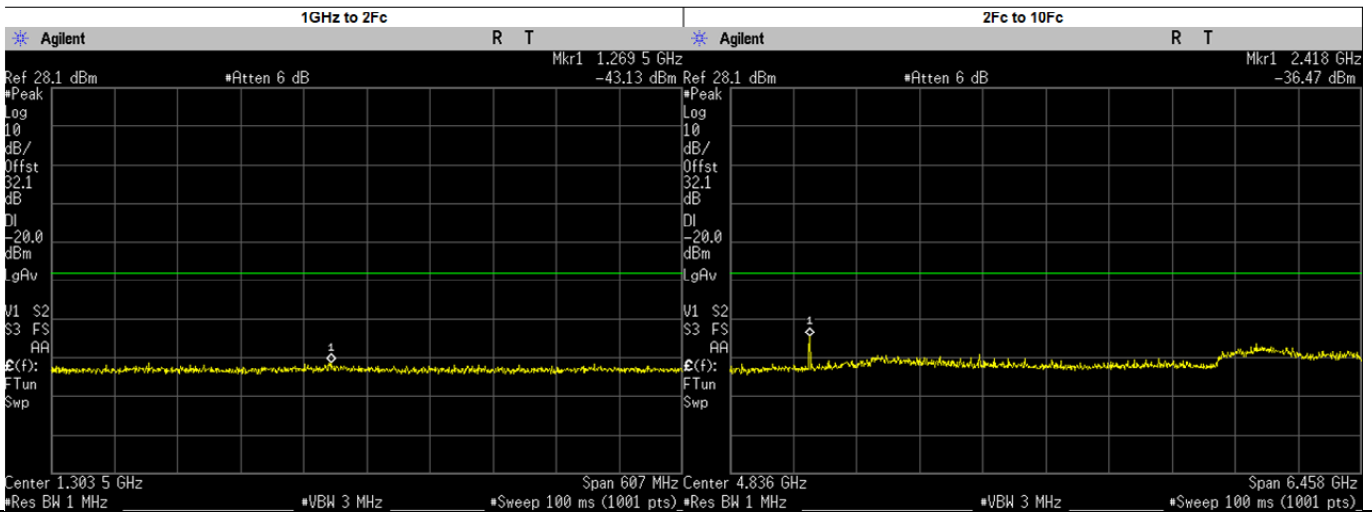
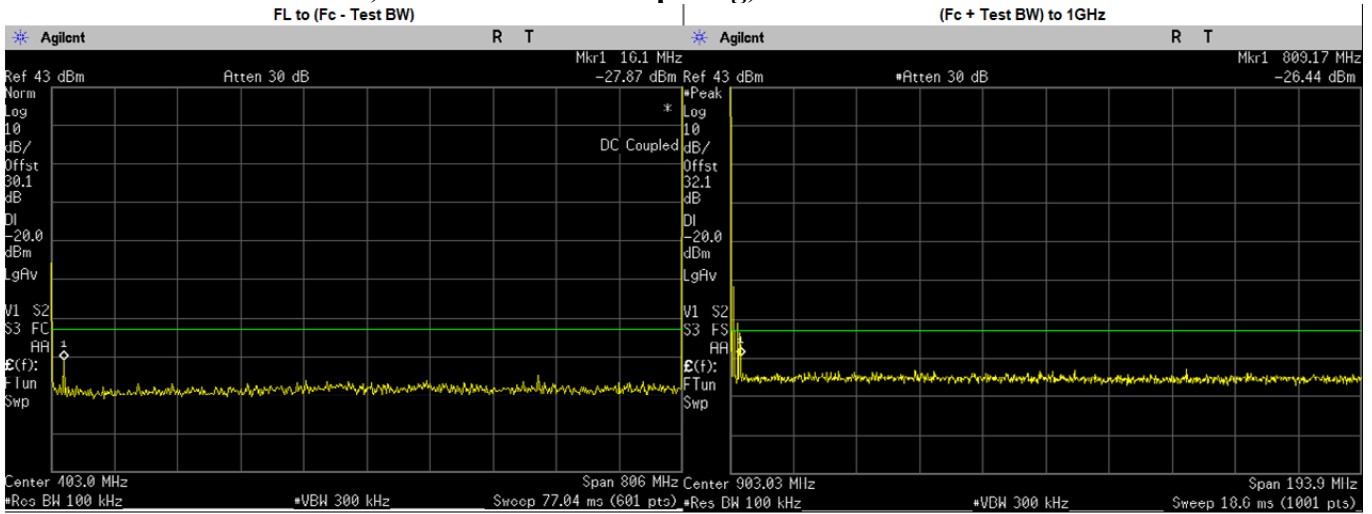


Digital: 868.8875. MHz, 12.5 kHz Channel Spacing, Low. Power



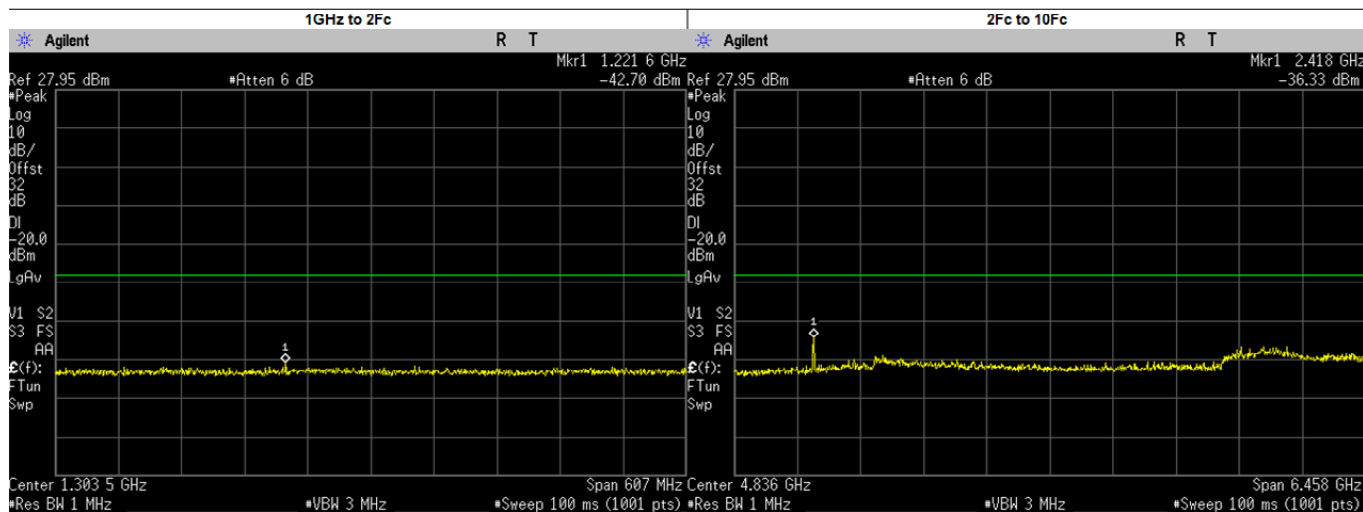
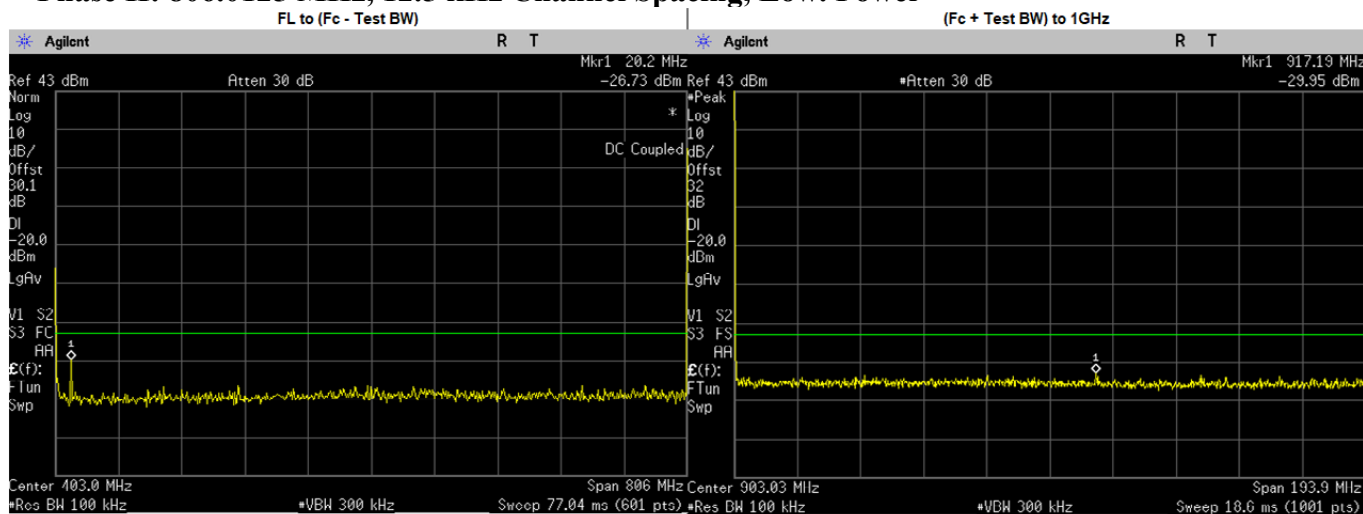
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	328.4000	-32.9340	-20.00	PASS
(Fc + Test BW) to 1GHz	877.4566	-29.9800	-20.00	PASS
1GHz to 2Fc	1280.6530	-43.0500	-20.00	PASS
2Fc to 10Fc	7128.0000	-38.5400	-20.00	PASS
	2606.6620	-44.2500	-20.00	PASS
	3475.5500	-42.4693	-20.00	PASS
	4344.4370	-43.4376	-20.00	PASS
	5213.3250	-43.8890	-20.00	PASS
	6082.2120	-42.9080	-20.00	PASS
	7819.9880	-41.4148	-20.00	PASS
	8688.8750	-41.4674	-20.00	PASS
	7127.6270	-38.5400	-20.00	PASS
6951.1000	-39.9581	-20.00	PASS	

Phase II: 806.0125 MHz, 12.5 kHz Channel Spacing, Max. Power



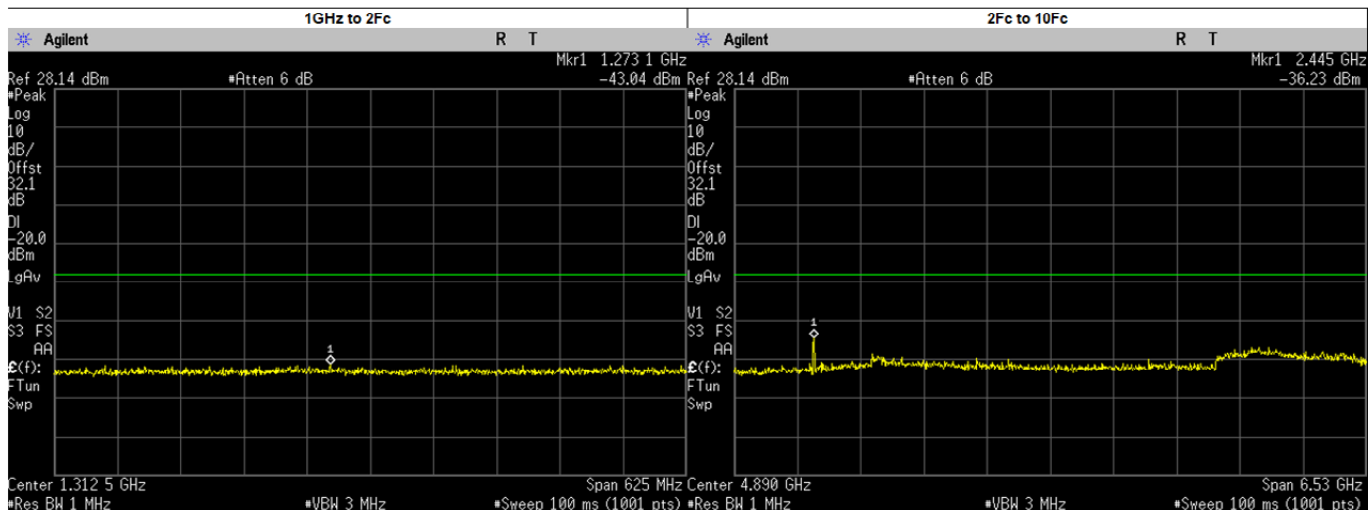
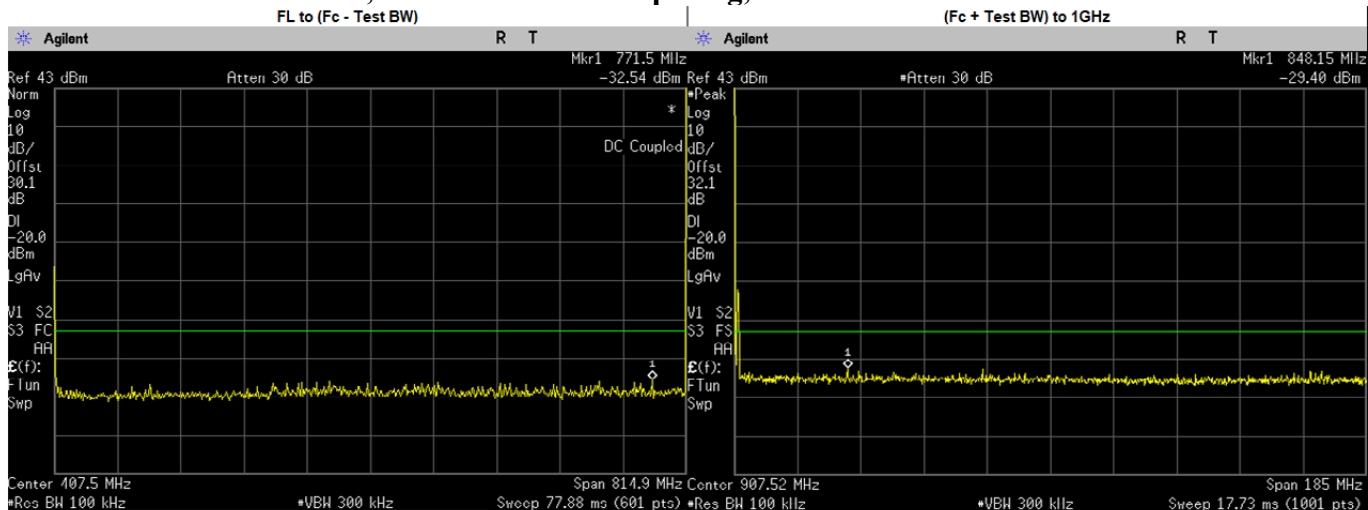
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	16.1000	-27.8700	-20.00	PASS
(Fc + Test BW) to 1GHz	809.1655	-26.4400	-20.00	PASS
1GHz to 2Fc	1269.5190	-43.1300	-20.00	PASS
2Fc to 10Fc	2418.0000	-36.4700	-20.00	PASS
	3224.0500	-43.1520	-20.00	PASS
	4030.0620	-43.4386	-20.00	PASS
	4836.0750	-43.8220	-20.00	PASS
	5642.0870	-44.7596	-20.00	PASS
	6448.1000	-44.2042	-20.00	PASS
	7254.1130	-40.0245	-20.00	PASS
	8060.1250	-42.3054	-20.00	PASS
	6986.6220	-38.2300	-20.00	PASS
	2418.0370	-37.7112	-20.00	PASS

Phase II: 806.0125 MHz, 12.5 kHz Channel Spacing, Low. Power



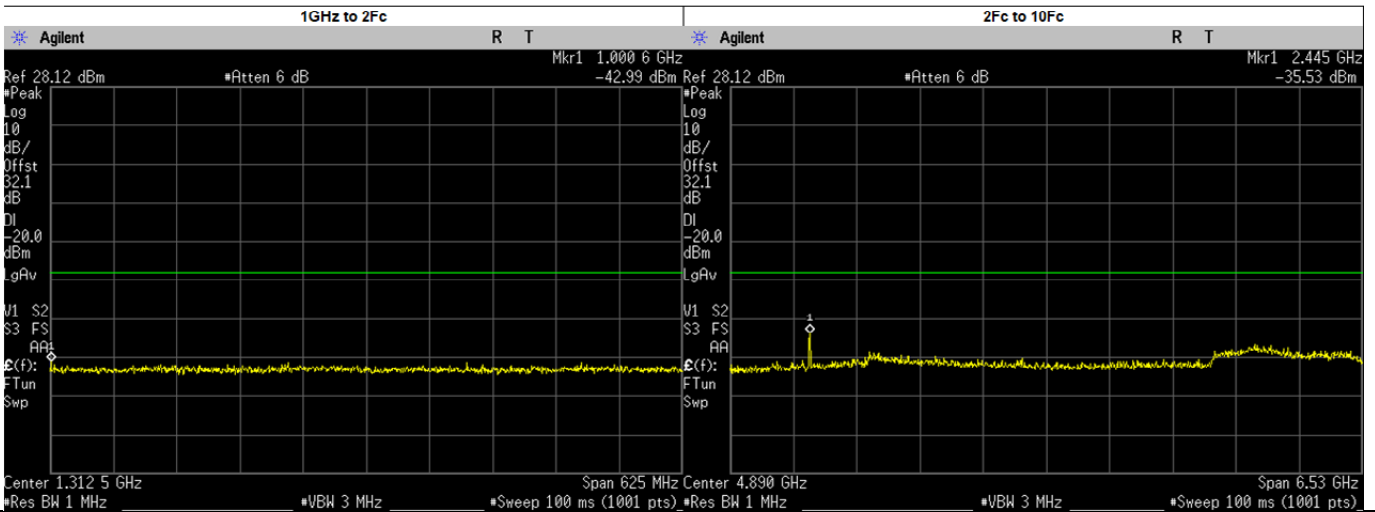
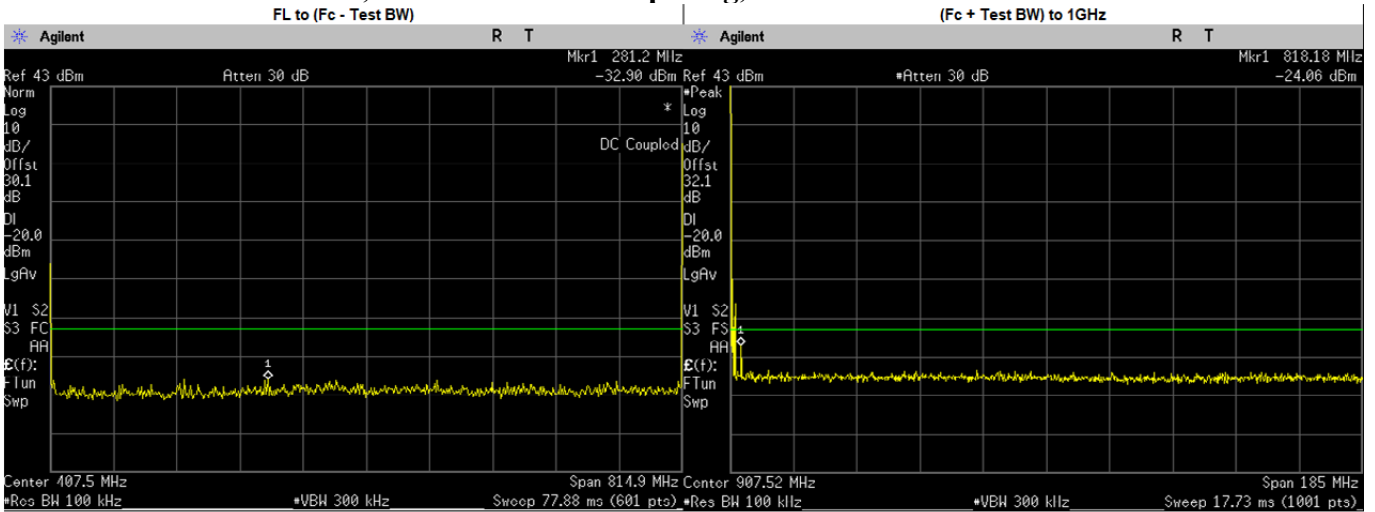
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	20.2000	-26.7300	-20.00	PASS
(Fc + Test BW) to 1GHz	917.1887	-29.9500	-20.00	PASS
1GHz to 2Fc	1221.5640	-42.7000	-20.00	PASS
2Fc to 10Fc	2418.0000	-30.3300	-20.00	PASS
	3224.0500	-42.8037	-20.00	PASS
	4030.0620	-43.3745	-20.00	PASS
	4836.0750	-44.0890	-20.00	PASS
	5642.0870	-43.5955	-20.00	PASS
	6448.1000	-44.5133	-20.00	PASS
	7254.1130	-40.4453	-20.00	PASS
	8060.1250	-42.0696	-20.00	PASS
	6792.8790	-38.6900	-20.00	PASS
	2418.0370	-37.6315	-20.00	PASS

Phase II: 814.9875 MHz, 12.5 kHz Channel Spacing, Max. Power



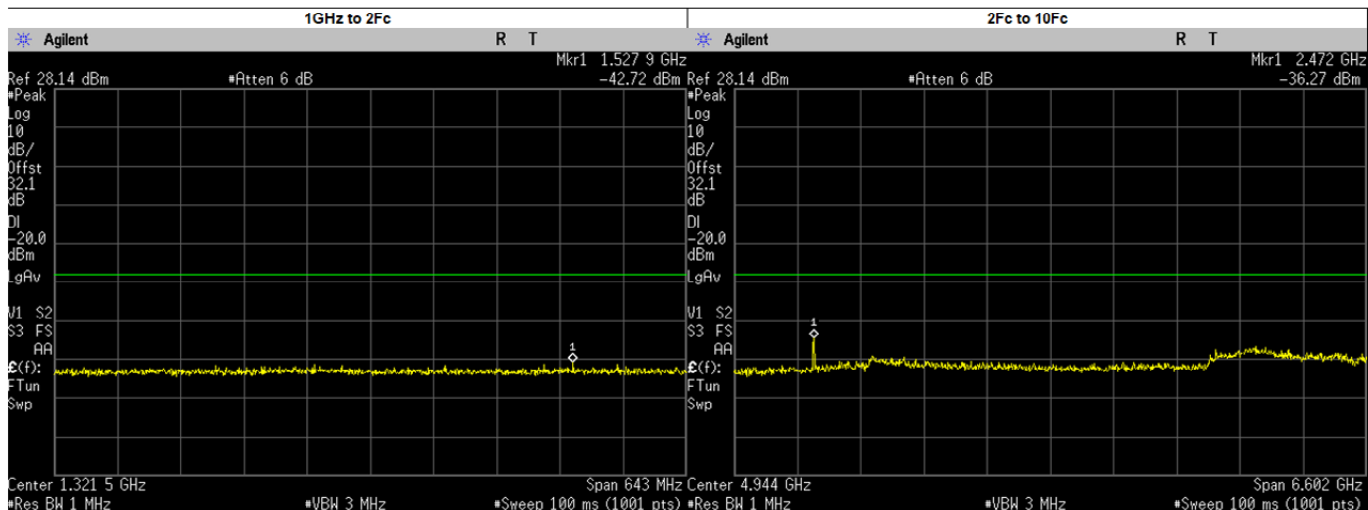
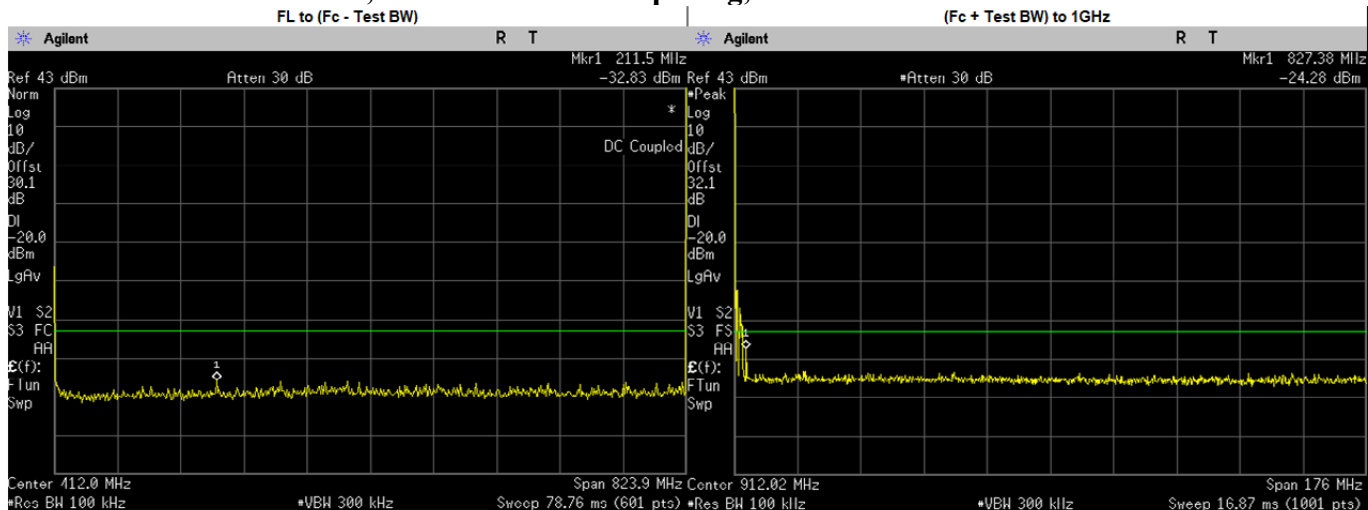
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	771.5000	-32.5400	-20.00	PASS
(Fc + Test BW) to 1GHz	848.1458	-29.4000	-20.00	PASS
1GHz to 2Fc	1273.1140	-43.0400	-20.00	PASS
2Fc to 10Fc	2445.0000	-36.2300	-20.00	PASS
	3259.9500	-42.8681	-20.00	PASS
	4074.9370	-43.7005	-20.00	PASS
	4889.9250	-44.7590	-20.00	PASS
	5704.9130	-44.1630	-20.00	PASS
	6519.9000	-44.0422	-20.00	PASS
	7334.8870	-40.7981	-20.00	PASS
	8149.8750	-42.0888	-20.00	PASS
	2441.2130	-38.2800	-20.00	PASS
2444.9630	-37.1013	-20.00	PASS	

Phase II: 814.9875 MHz, 12.5 kHz Channel Spacing, Low. Power



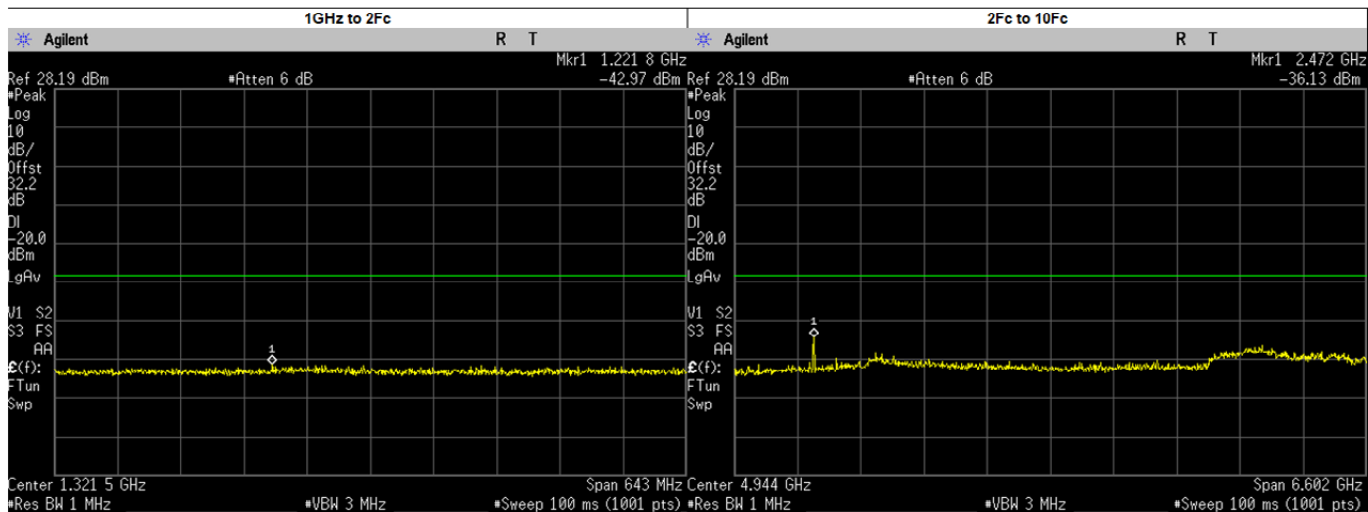
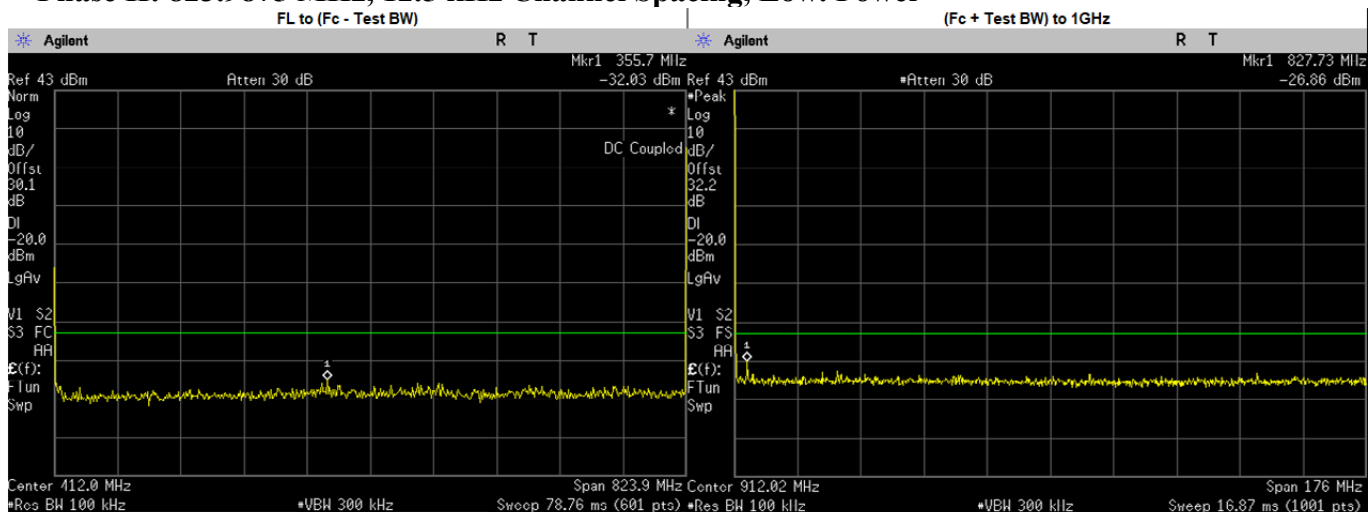
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	281.2000	-32.9000	-20.00	PASS
(Fc + Test BW) to 1GHz	818.1819	-24.0600	-20.00	PASS
1GHz to 2Fc	1000.6250	-42.9900	-20.00	PASS
2Fc to 10Fc	2445.0000	-35.5300	-20.00	PASS
	3259.9500	-42.6787	-20.00	PASS
	4074.9370	-44.1192	-20.00	PASS
	4889.9250	-44.7550	-20.00	PASS
	5704.9130	-44.1377	-20.00	PASS
	6519.9000	-44.0829	-20.00	PASS
	7334.8870	-40.3511	-20.00	PASS
	8149.8750	-43.4166	-20.00	PASS
	2441.2130	-37.7300	-20.00	PASS
2444.9630	-36.4687	-20.00	PASS	

Phase II: 823.9875 MHz, 12.5 kHz Channel Spacing, Max. Power



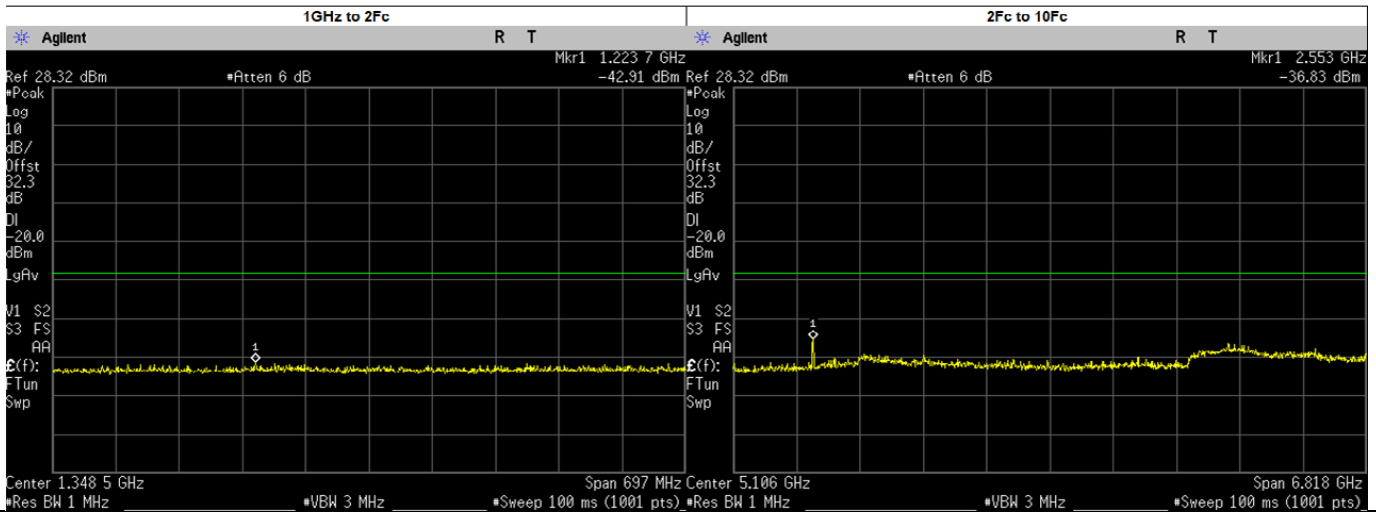
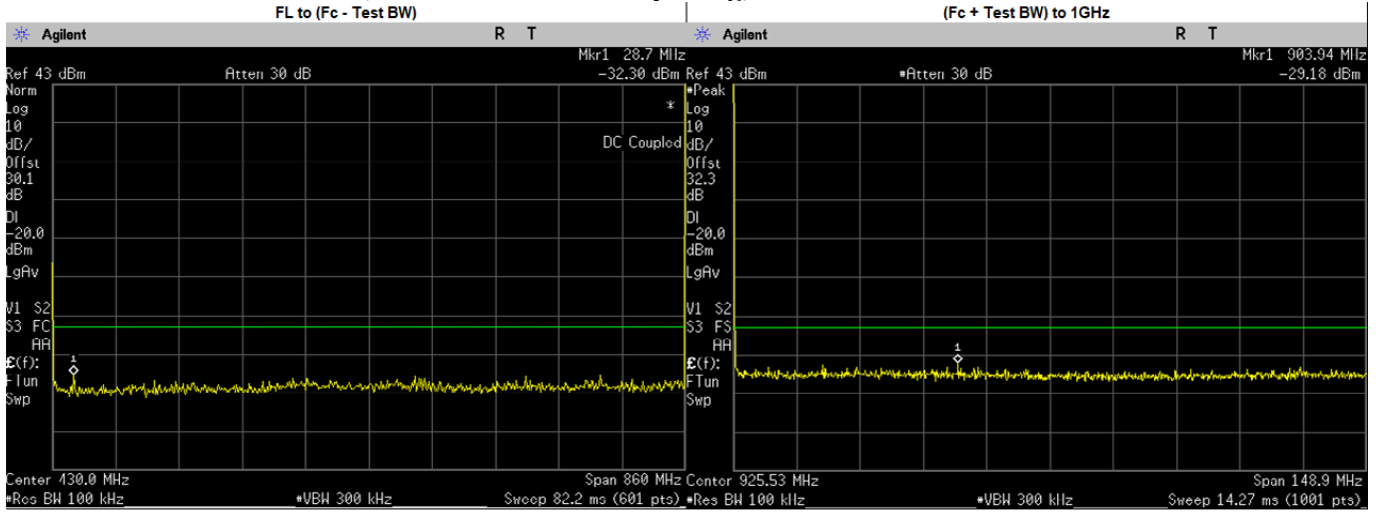
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	211.5000	-32.8300	-20.00	PASS
(Fc + Test BW) to 1GHz	827.3808	-24.2800	-20.00	PASS
1GHz to 2Fc	1527.8820	-42.7200	-20.00	PASS
2Fc to 10Fc	2472.0000	-36.2700	-20.00	PASS
	3295.9500	-42.3587	-20.00	PASS
	4119.9370	-43.8550	-20.00	PASS
	4943.9250	-43.8990	-20.00	PASS
	5767.9130	-44.4167	-20.00	PASS
	6591.9000	-43.0842	-20.00	PASS
	7415.8870	-41.4548	-20.00	PASS
	8239.8750	-42.3811	-20.00	PASS
	2468.2130	-38.2500	-20.00	PASS
2471.9630	-37.1263	-20.00	PASS	

Phase II: 823.9875 MHz, 12.5 kHz Channel Spacing, Low. Power



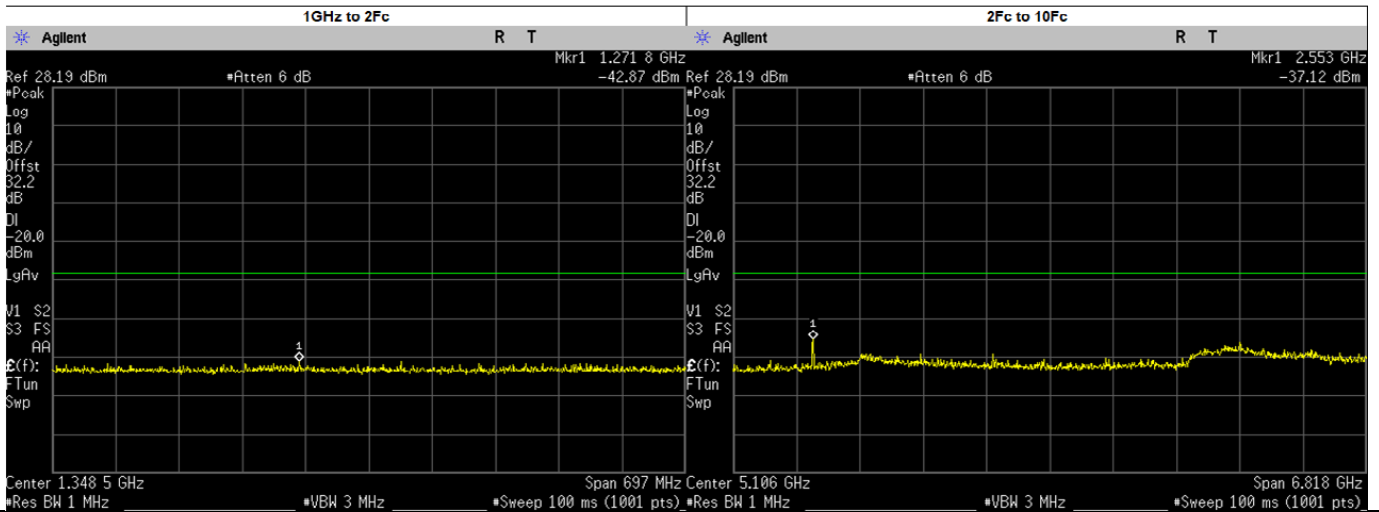
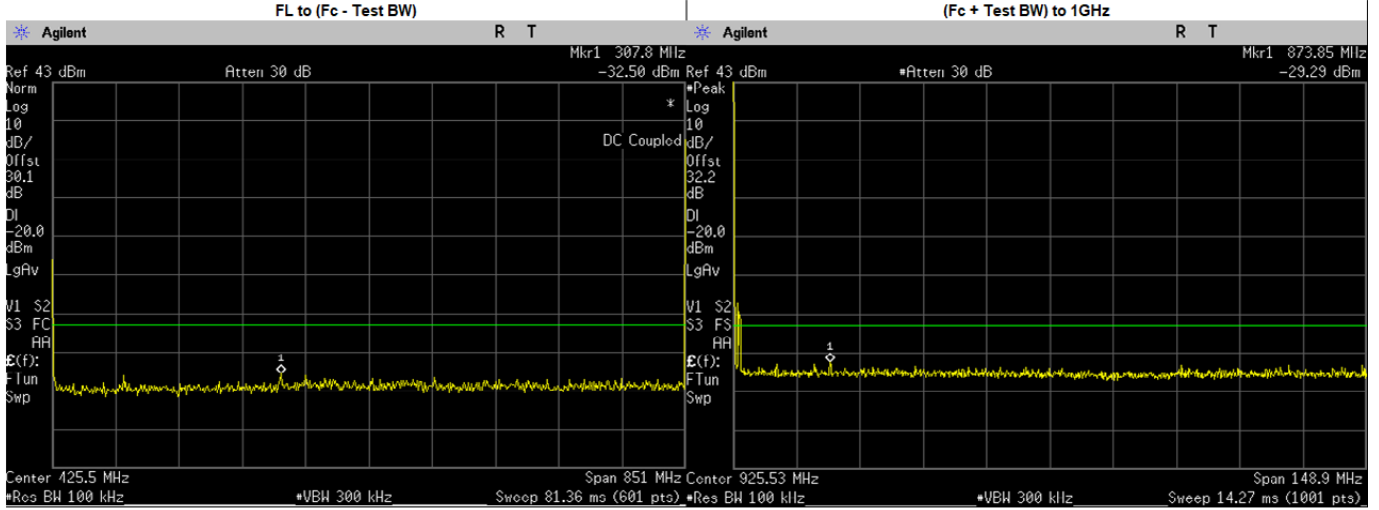
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	355.7000	-32.0300	-20.00	PASS
(Fc + Test BW) to 1GHz	827.7327	-26.8600	-20.00	PASS
1GHz to 2Fc	1221.8260	-42.9700	-20.00	PASS
2Fc to 10Fc	2472.0000	-36.1300	-20.00	PASS
	3295.9500	-42.3912	-20.00	PASS
	4119.9370	-43.4153	-20.00	PASS
	4943.9250	-44.0380	-20.00	PASS
	5767.9130	-42.7825	-20.00	PASS
	6591.9000	-43.2783	-20.00	PASS
	7415.8870	-41.0413	-20.00	PASS
	8239.8750	-42.2906	-20.00	PASS
	7155.5610	-38.0600	-20.00	PASS
	2471.9630	-37.4915	-20.00	PASS

Phase II: 851.0125 MHz, 12.5 kHz Channel Spacing, Max. Power



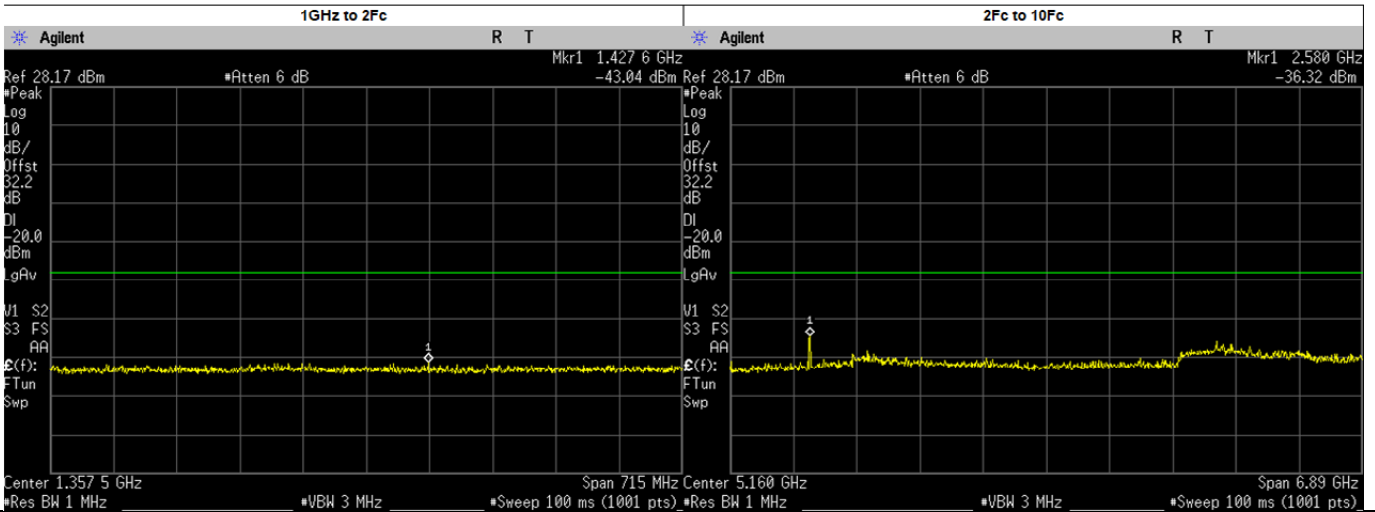
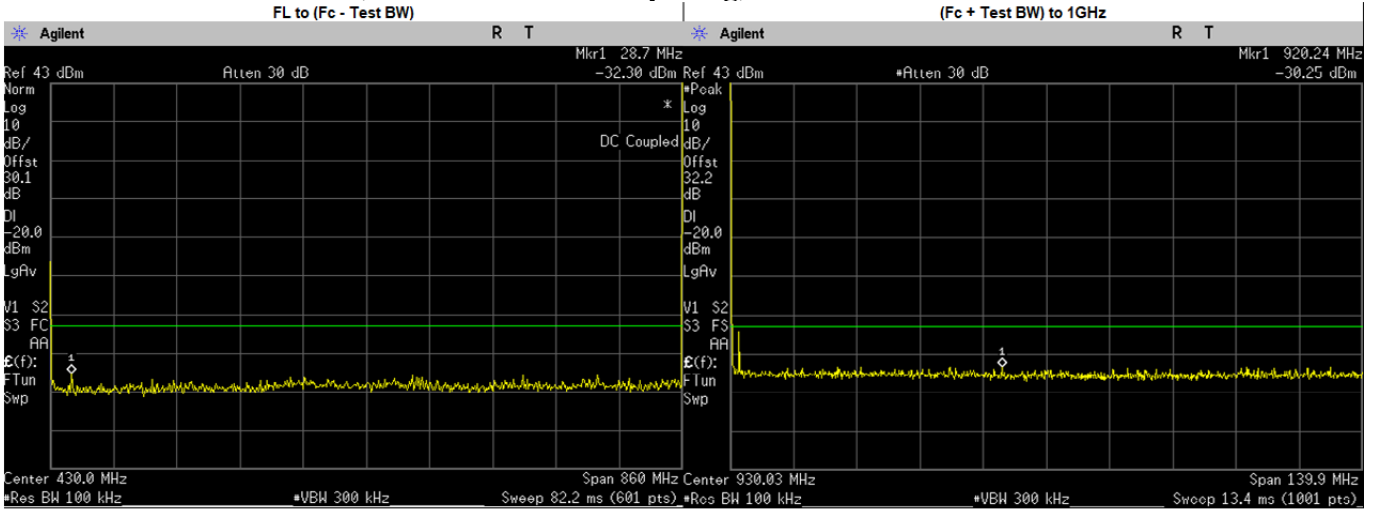
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	28.7000	-32.3000	-20.00	PASS
(Fc + Test BW) to 1GHz	903.9353	-29.1800	-20.00	PASS
1GHz to 2Fc	1223.7450	-42.9100	-20.00	PASS
2Fc to 10Fc	2553.0000	-36.8300	-20.00	PASS
	3404.0500	-42.5887	-20.00	PASS
	4255.0620	-43.4469	-20.00	PASS
	5106.0750	-44.3670	-20.00	PASS
	5957.0870	-43.9727	-20.00	PASS
	6808.1000	-40.3403	-20.00	PASS
	7659.1130	-40.5250	-20.00	PASS
	8510.1250	-40.9185	-20.00	PASS
	7021.9610	-38.0800	-20.00	PASS
	2553.0370	-37.4572	-20.00	PASS

Phase II: 851.0125 MHz, 12.5 kHz Channel Spacing, Low. Power



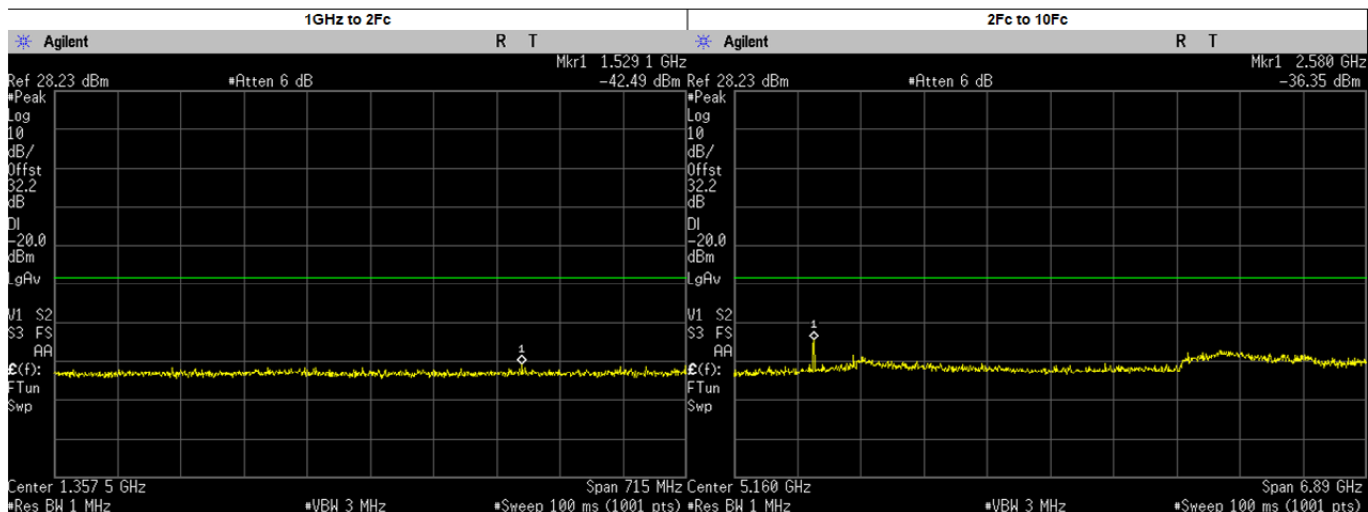
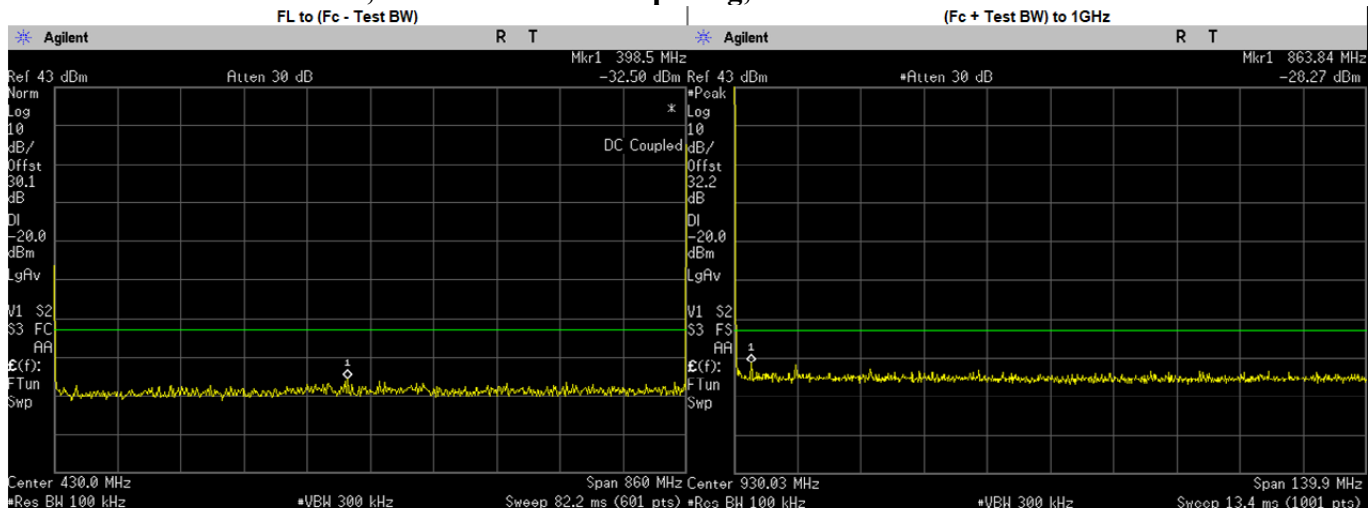
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	307.8000	-32.5000	-20.00	PASS
(Fc + Test BW) to 1GHz	873.8499	-29.2900	-20.00	PASS
1GHz to 2Fc	1271.8400	-42.8700	-20.00	PASS
2Fc to 10Fc	2553.0000	-37.1200	-20.00	PASS
	3404.0500	-42.5870	-20.00	PASS
	4255.0620	-43.7492	-20.00	PASS
	5106.0750	-43.7860	-20.00	PASS
	5957.0870	-43.5508	-20.00	PASS
	6808.1000	-40.1843	-20.00	PASS
	7659.1130	-41.3413	-20.00	PASS
	8510.1250	-41.6014	-20.00	PASS
	7151.5050	-37.9700	-20.00	PASS
	2553.0370	-37.6257	-20.00	PASS

Phase II: 860.0125 MHz, 12.5 kHz Channel Spacing, Max. Power



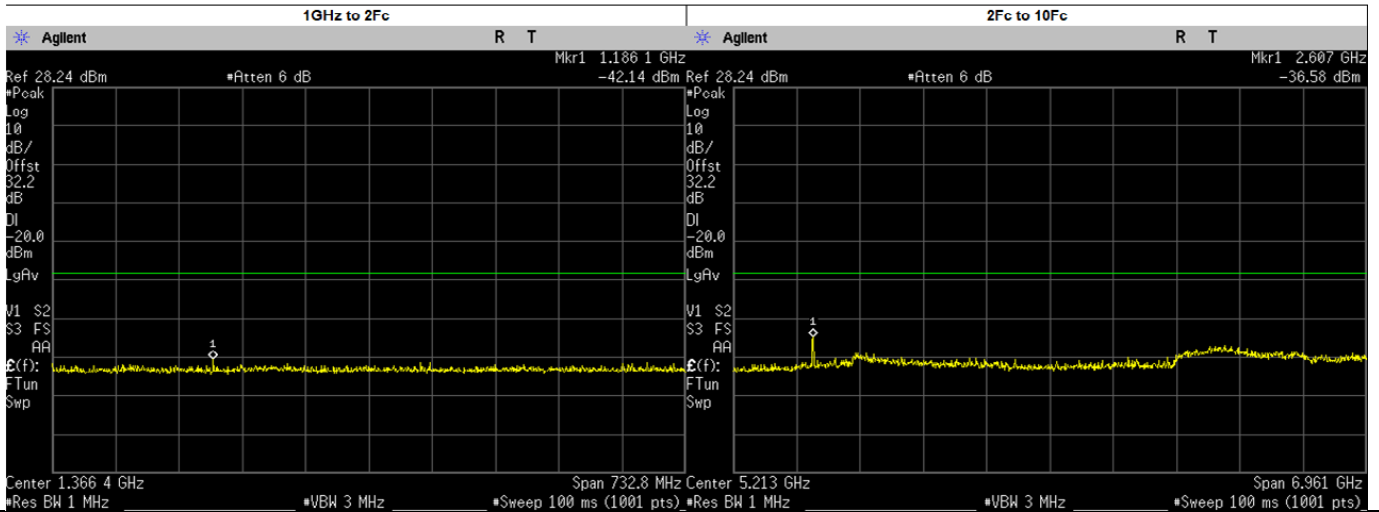
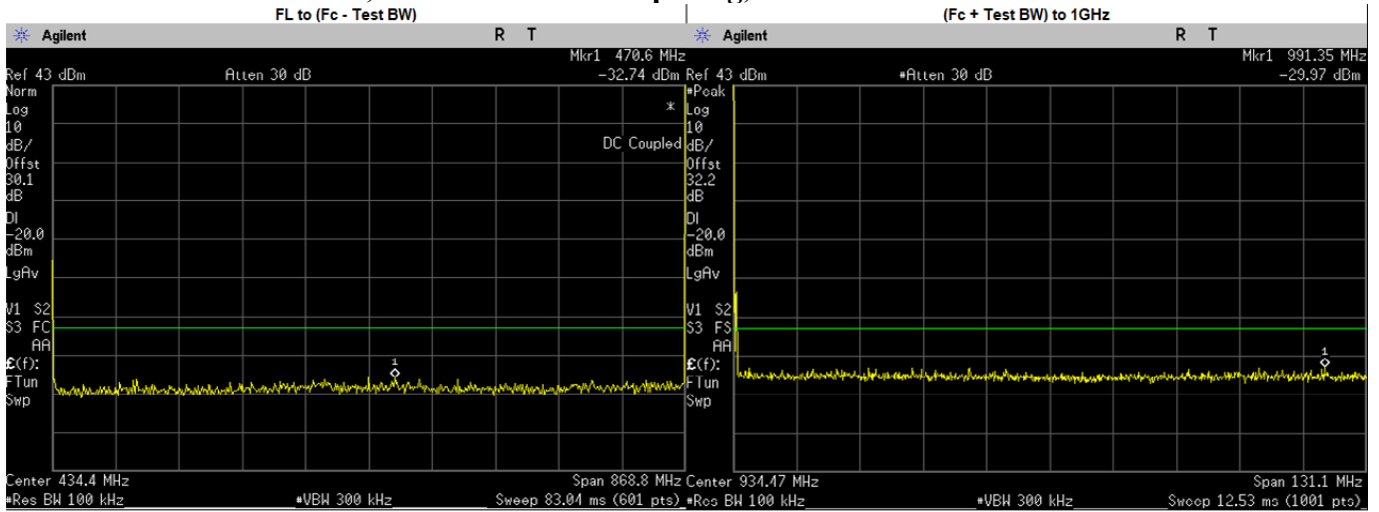
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	28.7000	-32.3000	-20.00	PASS
(Fc + Test BW) to 1GHz	920.2356	-30.2500	-20.00	PASS
1GHz to 2Fc	1427.5850	-43.0400	-20.00	PASS
2Fc to 10Fc	2580.0000	-36.3200	-20.00	PASS
	3440.0500	-42.3839	-20.00	PASS
	4300.0620	-43.5660	-20.00	PASS
	5160.0750	-44.1260	-20.00	PASS
	6020.0870	-44.1088	-20.00	PASS
	6880.1000	-40.5192	-20.00	PASS
	7740.1130	-40.8012	-20.00	PASS
	8600.1250	-42.0138	-20.00	PASS
	2576.2870	-37.0900	-20.00	PASS
2580.0370	-36.6727	-20.00	PASS	

Phase II: 860.0125 MHz, 12.5 kHz Channel Spacing, Low. Power



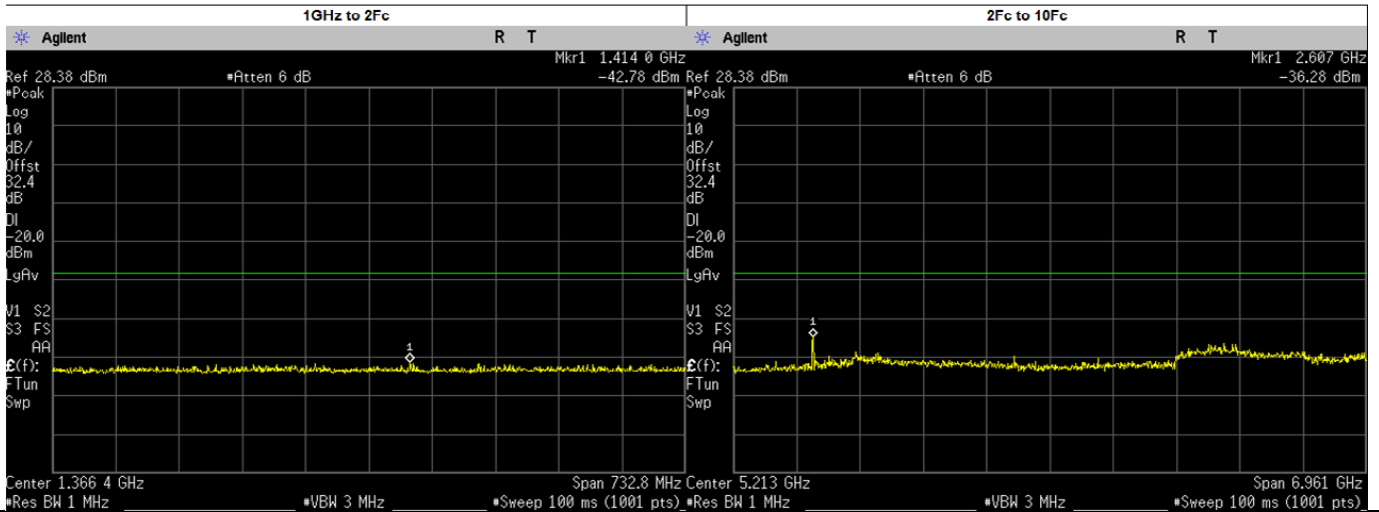
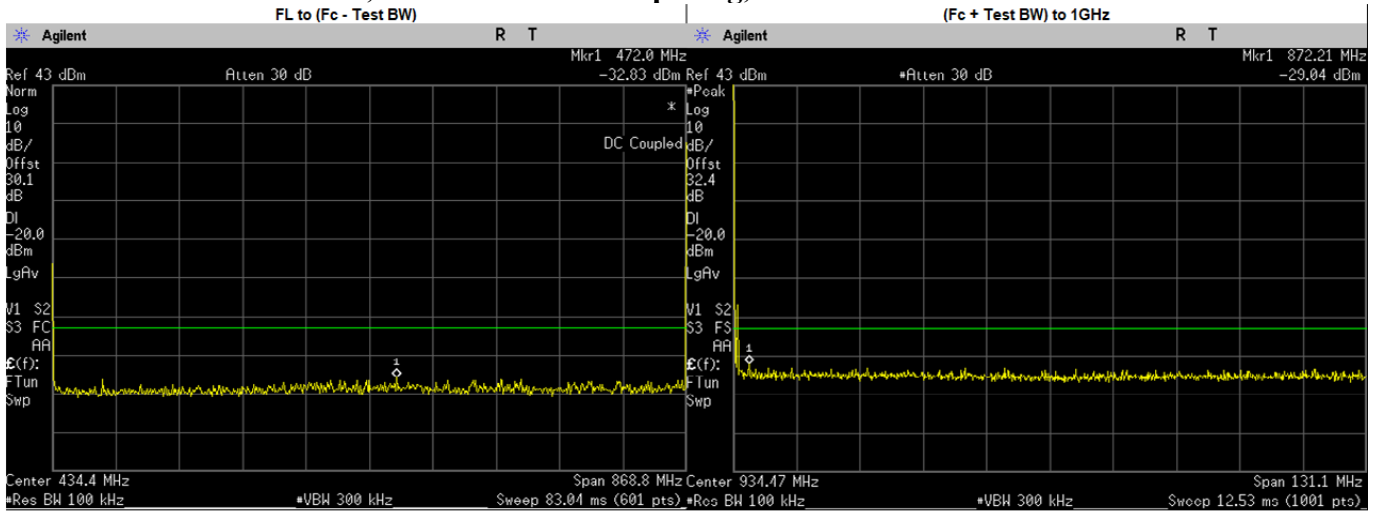
Frequency Range	Highest Spur Frequency (MHz)	Spurious Level (dBm)	Failing Limit (dBm)	Results
FL to (Fc - Test BW)	43.0000	-35.4470	-20.00	PASS
(Fc + Test BW) to 1GHz	863.8408	-28.2700	-20.00	PASS
1GHz to 2Fc	1529.1190	-42.4900	-20.00	PASS
2Fc to 10Fc	2580.0000	-36.3500	-20.00	PASS
	3440.0500	-43.3600	-20.00	PASS
	4300.0620	-43.6148	-20.00	PASS
	5160.0750	-44.1270	-20.00	PASS
	6020.0870	-44.4199	-20.00	PASS
	6880.1000	-41.2280	-20.00	PASS
	7740.1130	-40.6320	-20.00	PASS
	8600.1250	-42.2136	-20.00	PASS
	2576.2870	-37.2600	-20.00	PASS
2580.0370	-36.7675	-20.00	PASS	

Phase II: 868.8875 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)	470.6000	-32.7400	-20.00	PASS
(Fc + Test BW) to 1GHz	991.3499	-29.9700	-20.00	PASS
1GHz to 2Fc	1186.1250	-42.1400	-20.00	PASS
2Fc to 10Fc	2607.0000	-36.5800	-20.00	PASS
	3475.5500	-43.0650	-20.00	PASS
	4344.4370	-43.1184	-20.00	PASS
	5213.3250	-43.9680	-20.00	PASS
	6082.2120	-42.9649	-20.00	PASS
	6951.1000	-40.3472	-20.00	PASS
	7819.9880	-41.0497	-20.00	PASS
	8688.8750	-41.6925	-20.00	PASS
	2602.9120	-37.0900	-20.00	PASS
	2606.6620	-36.8187	-20.00	PASS

Phase II: 868.8875 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)	472.0000	-33.8300	-20.00	PASS
(Fc + Test BW) to 1GHz	872.2141	-29.0400	-20.00	PASS
1GHz to 2Fc	1414.0180	-42.7800	-20.00	PASS
2Fc to 10Fc	2607.0000	-36.2800	-20.00	PASS
	3475.5500	-43.2899	-20.00	PASS
	4344.4370	-42.7113	-20.00	PASS
	5213.3250	-44.3030	-20.00	PASS
	6082.2120	-43.4353	-20.00	PASS
	6951.1000	-40.0315	-20.00	PASS
	7819.9880	-41.0450	-20.00	PASS
	8688.8750	-42.1832	-20.00	PASS
	2602.9120	-37.4600	-20.00	PASS
2606.6620	-36.8243	-20.00	PASS	

6.10.4. Test Limit

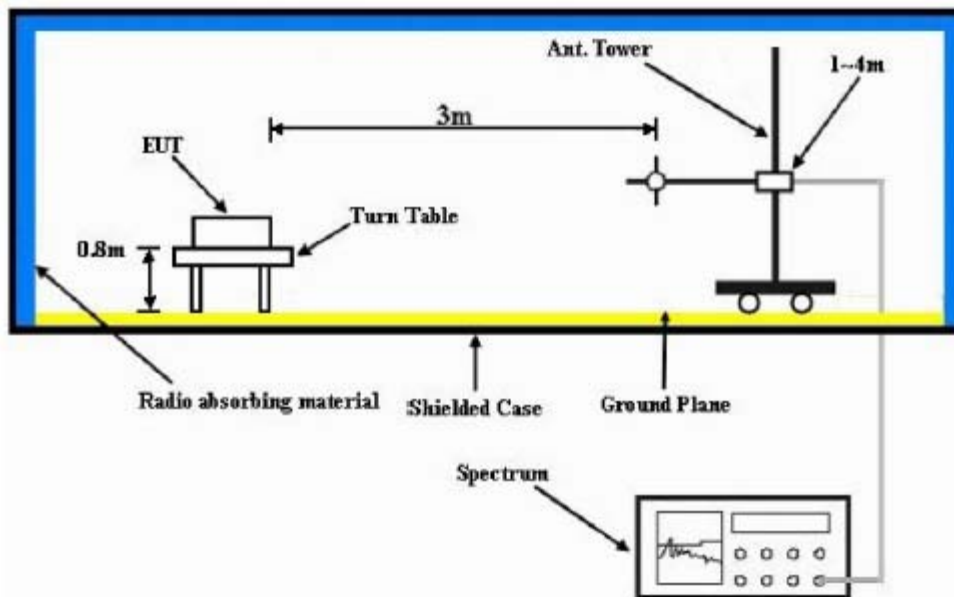
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

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

6.11. Radiated Spurious Emission

6.11.1. Test Setup



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

6.11.2. Test Result (Analog)

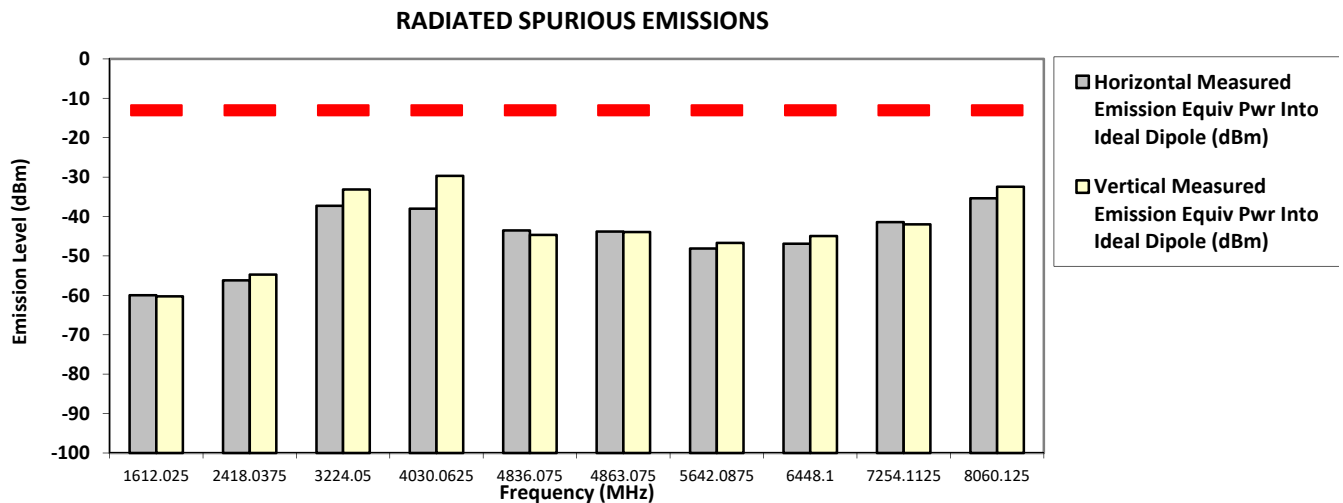
Model Number: M37TXS9PW1AN
Battery Part No: NA

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

SR:08878-EMC-00042
42.000 Watt(s) /Max Power

806.012500 MHz
25 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	-59.9542 **	-60.2608 **
2418.0375	-13.0000	-56.2011 **	-54.7352 **
3224.0500	-13.0000	-37.2800 *	-33.1400 *
4030.0625	-13.0000	-38.0000 *	-29.6800
4836.0750	-13.0000	-43.5328 **	-44.6746 **
4863.0750	-13.0000	-43.8300 *	-43.9400 *
5642.0875	-13.0000	-48.1039 **	-46.6848 **
6448.1000	-13.0000	-46.9021 **	-44.9467 **
7254.1125	-13.0000	-41.4050 **	-41.9819 **
8060.1250	-13.0000	-35.3500 *	-32.4400



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Fendi Sat, 28 Nov, 2020

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

System MU: 4.03 dB

Remarks: Passed Results Marginal Results Failed Results

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

Test Mode: TX Analog

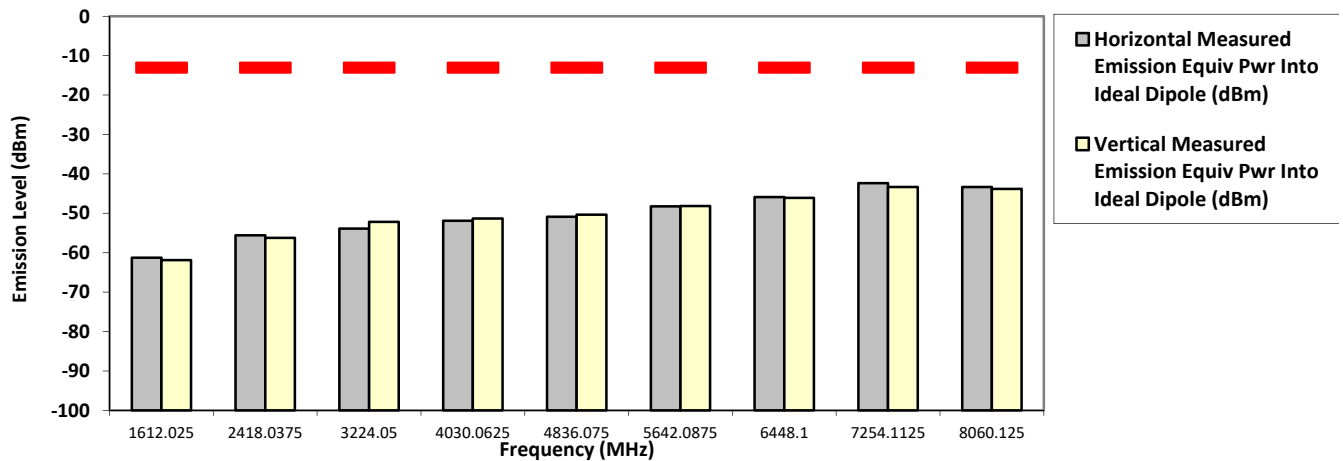
806.012500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-61.2730 **	-61.8783 **
2418.0375	-13.0000	-55.6065 **	-56.2408 **
3224.0500	-13.0000	-53.8944 **	-52.1898 **
4030.0625	-13.0000	-51.8860 **	-51.3411 **
4836.0750	-13.0000	-50.8761 **	-50.3600 **
5642.0875	-13.0000	-48.2334 **	-48.1712 **
6448.1000	-13.0000	-45.8705 **	-46.1081 **
7254.1125	-13.0000	-42.3399 **	-43.3413 **
8060.1250	-13.0000	-43.3107 **	-43.8315 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

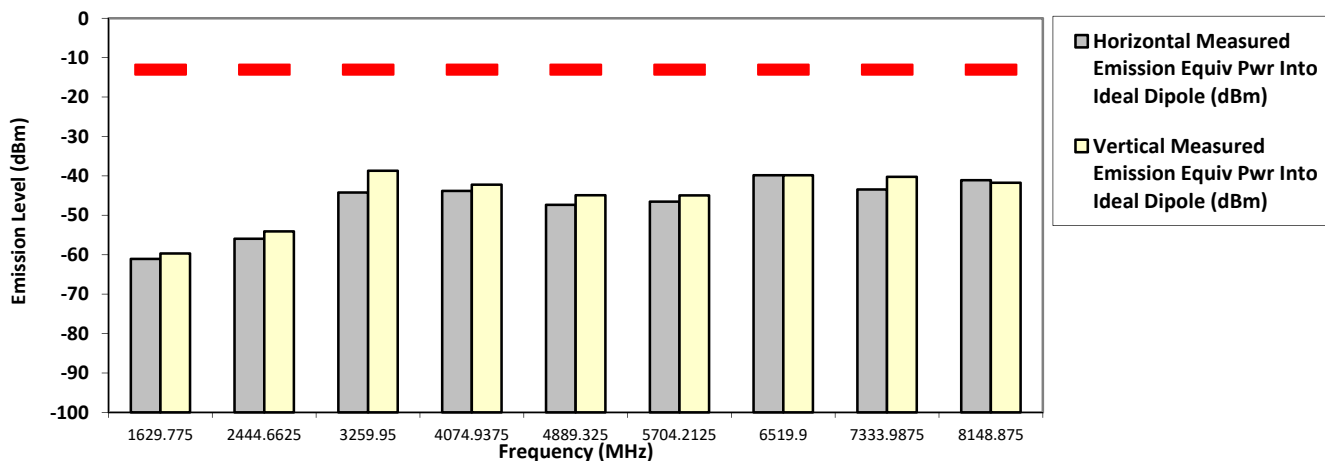
SAC Transmitter Radiated Emission:
 S/N: PHUW1001H-CF2
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01
 Test Mode: TX Analog

SR:08878-EMC-00042

814.887500 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)
1629.7750	-13.0000	-61.0551 **	-59.6889 **
2444.6625	-13.0000	-55.9627 **	-54.0750 **
3259.9500	-13.0000	-44.2200 *	-38.7100 *
4074.9375	-13.0000	-43.8000 *	-42.2400 *
4889.3250	-13.0000	-47.3473 **	-44.9247 **
5704.2125	-13.0000	-46.5204 **	-44.9602 **
6519.9000	-13.0000	-39.8500 *	-39.8300 *
7333.9875	-13.0000	-43.4600 **	-40.2445 **
8148.8750	-13.0000	-41.0850 **	-41.7257 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

Test Mode: TX Analog

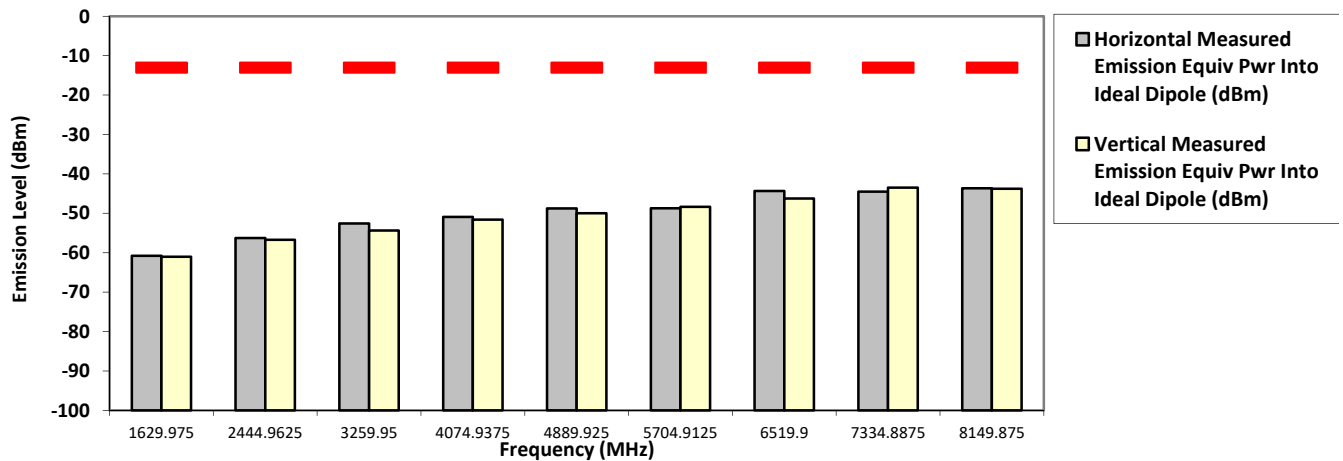
814.987500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-60.7735 **	-61.0083 **
2444.9625	-13.0000	-56.2912 **	-56.7291 **
3259.9500	-13.0000	-52.5746 **	-54.3861 **
4074.9375	-13.0000	-50.9140 **	-51.6234 **
4889.9250	-13.0000	-48.7859 **	-50.0046 **
5704.9125	-13.0000	-48.7125 **	-48.3729 **
6519.9000	-13.0000	-44.3541 **	-46.2322 **
7334.8875	-13.0000	-44.5066 **	-43.4787 **
8149.8750	-13.0000	-43.6520 **	-43.7707 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

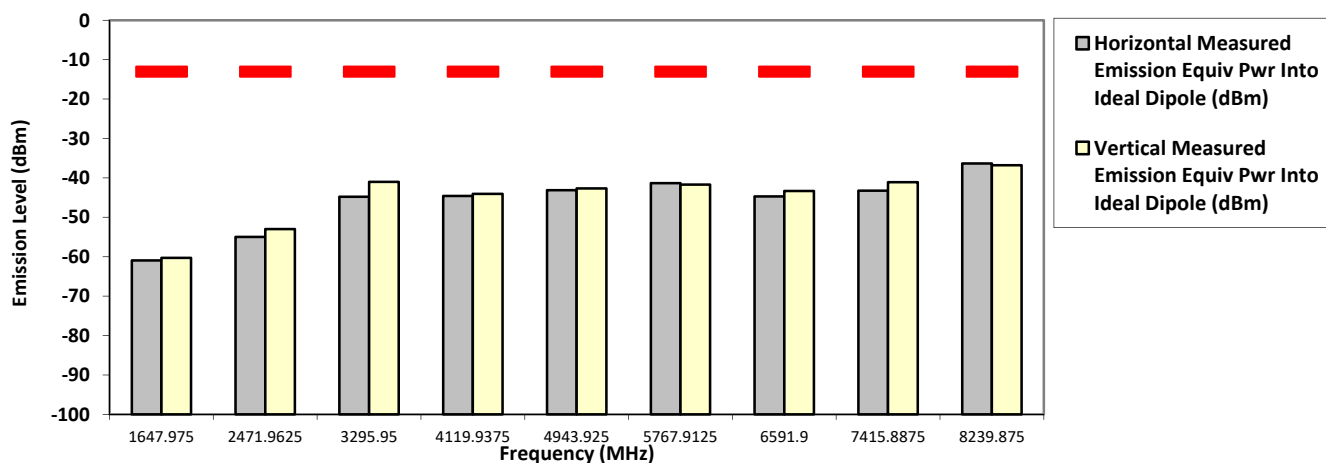
823.987500 MHz

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	-60.9407 **	-60.3090 **
2471.9625	-13.0000	-54.9695 **	-53.0074 **
3295.9500	-13.0000	-44.7800 *	-41.0000 *
4119.9375	-13.0000	-44.5700 *	-44.0500 *
4943.9250	-13.0000	-43.1400 *	-42.6700 *
5767.9125	-13.0000	-41.3300 *	-41.7100 *
6591.9000	-13.0000	-44.7061 **	-43.3384 **
7415.8875	-13.0000	-43.2377 **	-41.0865 **
8239.8750	-13.0000	-36.3300 *	-36.7800 *

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

Test Mode: TX Analog

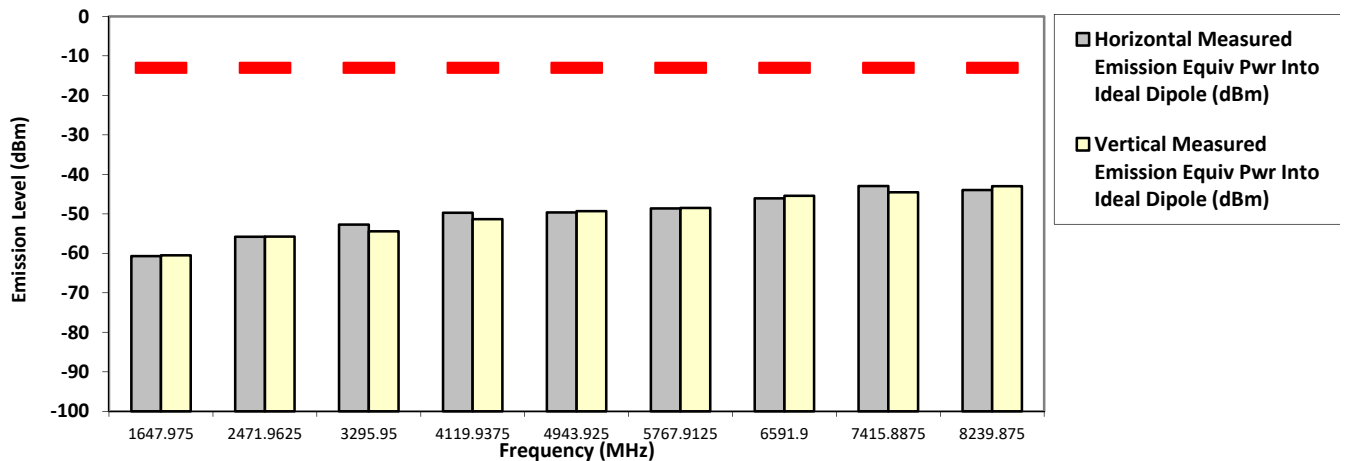
823.987500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-60.7255 **	-60.5150 **
2471.9625	-13.0000	-55.7969 **	-55.7782 **
3295.9500	-13.0000	-52.7419 **	-54.4086 **
4119.9375	-13.0000	-49.7424 **	-51.3353 **
4943.9250	-13.0000	-49.6459 **	-49.3070 **
5767.9125	-13.0000	-48.6285 **	-48.5066 **
6591.9000	-13.0000	-46.0667 **	-45.4338 **
7415.8875	-13.0000	-42.9733 **	-44.5223 **
8239.8750	-13.0000	-43.9708 **	-42.9904 **

RADIATED SPURIOUS EMISSIONS



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

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

Wed, 2 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

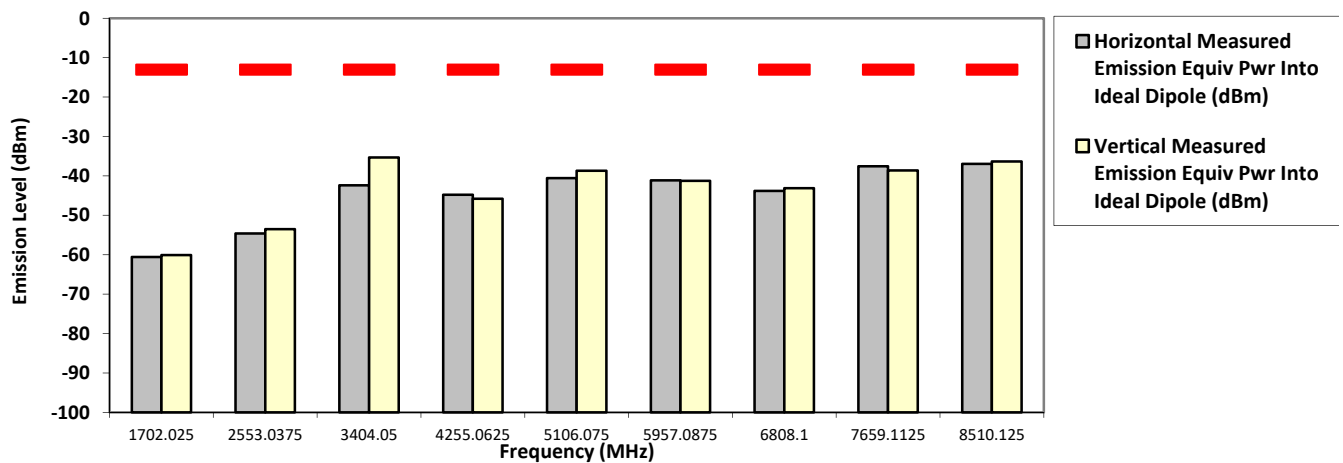
851.012500 MHz

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)
1702.0250	-13.0000	-60.5640 **	-60.0788 **
2553.0375	-13.0000	-54.6057 **	-53.5230 **
3404.0500	-13.0000	-42.3900 *	-35.3100 *
4255.0625	-13.0000	-44.7700 *	-45.7900 *
5106.0750	-13.0000	-40.5700 *	-38.6800 *
5957.0875	-13.0000	-41.1400 *	-41.2500 *
6808.1000	-13.0000	-43.8175 **	-43.1209 **
7659.1125	-13.0000	-37.5500 *	-38.6100 *
8510.1250	-13.0000	-36.9500 *	-36.3300 *

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

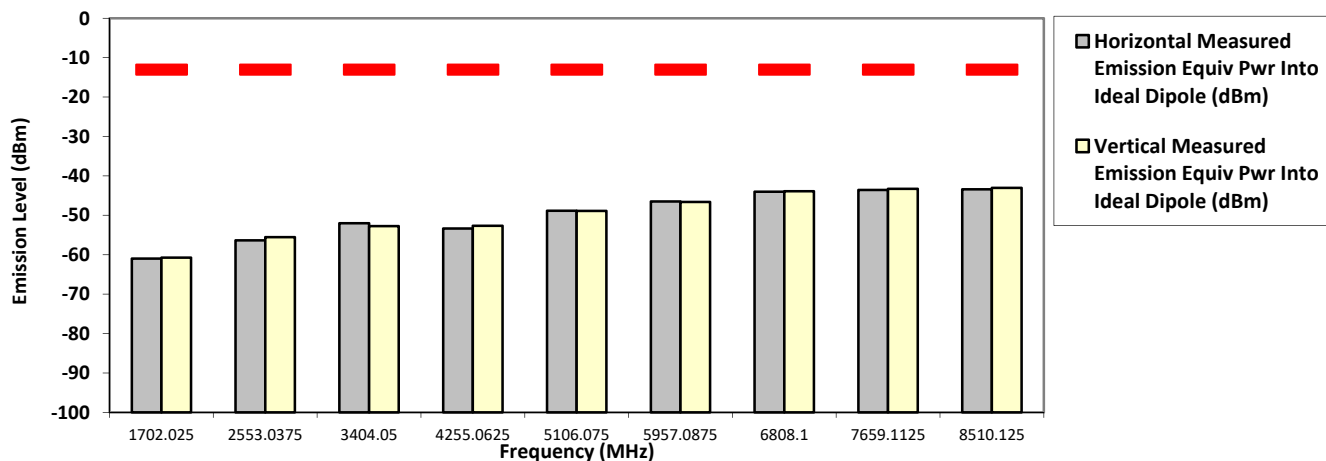
851.012500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
1702.0250	-13.0000	-60.9949 **	-60.7382 **
2553.0375	-13.0000	-56.3493 **	-55.5273 **
3404.0500	-13.0000	-52.0089 **	-52.7539 **
4255.0625	-13.0000	-53.3618 **	-52.6462 **
5106.0750	-13.0000	-48.8407 **	-48.8909 **
5957.0875	-13.0000	-46.4948 **	-46.6149 **
6808.1000	-13.0000	-44.0328 **	-43.8918 **
7659.1125	-13.0000	-43.5687 **	-43.2981 **
8510.1250	-13.0000	-43.4120 **	-43.0238 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

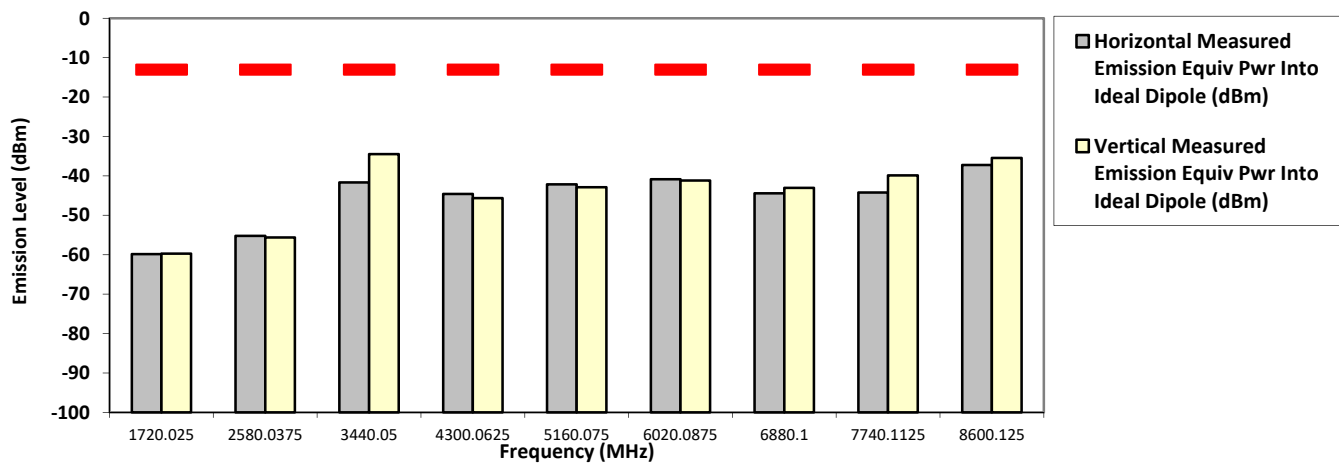
860.012500 MHz

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)
1720.0250	-13.0000	-59.8619 **	-59.7119 **
2580.0375	-13.0000	-55.2324 **	-55.6151 **
3440.0500	-13.0000	-41.6700 *	-34.4800 *
4300.0625	-13.0000	-44.5900 *	-45.6300 *
5160.0750	-13.0000	-42.1600 *	-42.8900 *
6020.0875	-13.0000	-40.8400 *	-41.1700 *
6880.1000	-13.0000	-44.4257 **	-43.0261 **
7740.1125	-13.0000	-44.2303 **	-39.8871 **
8600.1250	-13.0000	-37.2200 *	-35.4400 *

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

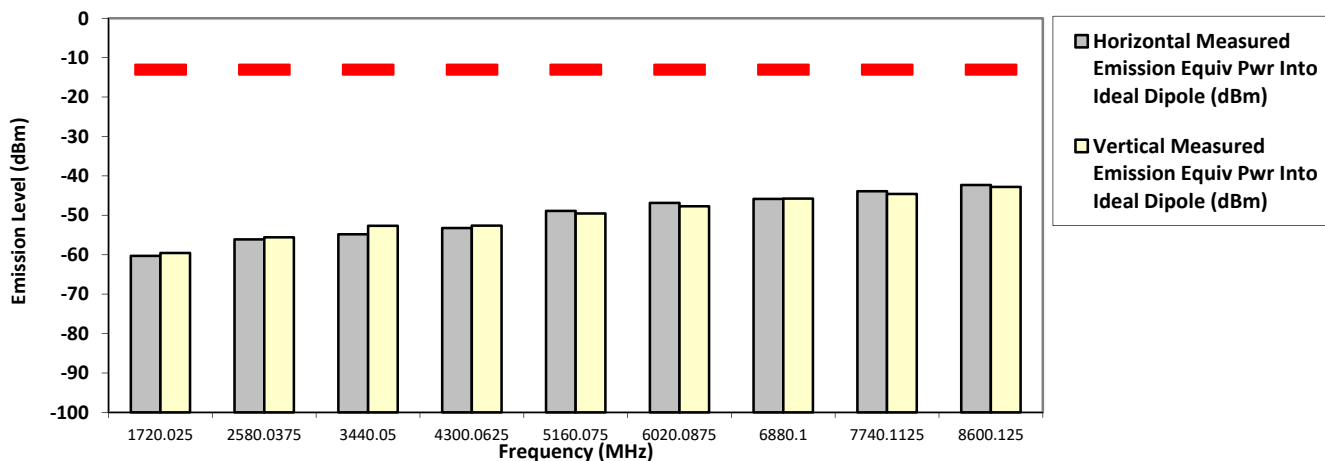
860.012500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-60.3006 **	-59.5516 **
2580.0375	-13.0000	-56.1190 **	-55.6029 **
3440.0500	-13.0000	-54.8050 **	-52.6794 **
4300.0625	-13.0000	-53.2208 **	-52.6291 **
5160.0750	-13.0000	-48.9026 **	-49.5552 **
6020.0875	-13.0000	-46.8636 **	-47.6974 **
6880.1000	-13.0000	-45.8277 **	-45.7790 **
7740.1125	-13.0000	-43.8976 **	-44.5982 **
8600.1250	-13.0000	-42.3004 **	-42.8073 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

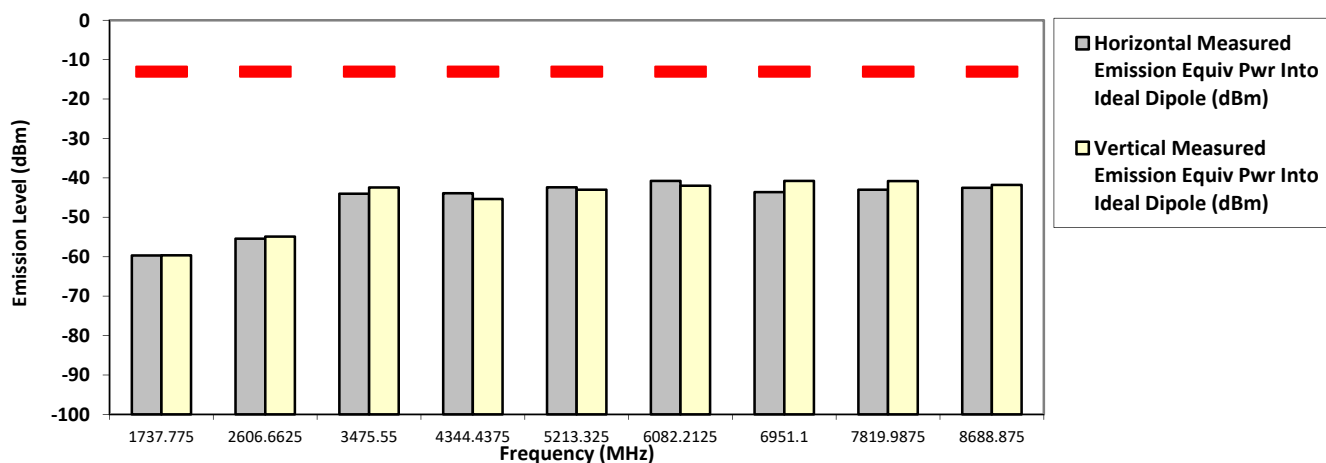
868.887500 MHz

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)
1737.7750	-13.0000	-59.6994 **	-59.6592 **
2606.6625	-13.0000	-55.4410 **	-54.9007 **
3475.5500	-13.0000	-44.0200 *	-42.4300 *
4344.4375	-13.0000	-43.9100 *	-45.3600 *
5213.3250	-13.0000	-42.4000 *	-43.0000 *
6082.2125	-13.0000	-40.7700 *	-41.9900 *
6951.1000	-13.0000	-43.6253 **	-40.7709 **
7819.9875	-13.0000	-43.0133 **	-40.8156 **
8688.8750	-13.0000	-42.5037 **	-41.7806 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

Test Mode: TX Analog

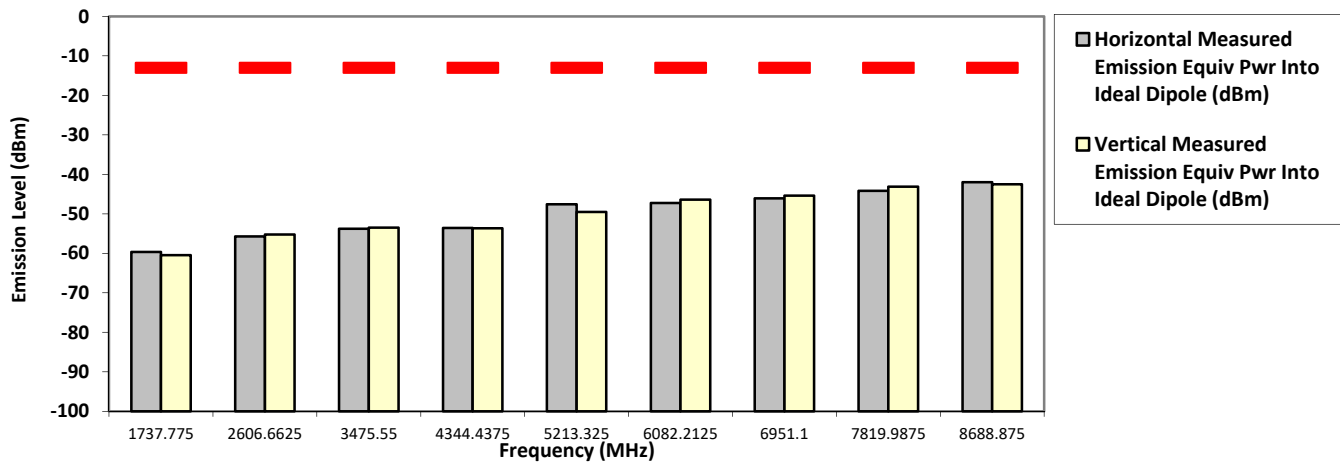
868.887500 MHz

25 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-59.6627 **	-60.4536 **
2606.6625	-13.0000	-55.7102 **	-55.2243 **
3475.5500	-13.0000	-53.7909 **	-53.4973 **
4344.4375	-13.0000	-53.5913 **	-53.6734 **
5213.3250	-13.0000	-47.5901 **	-49.5388 **
6082.2125	-13.0000	-47.2519 **	-46.3873 **
6951.1000	-13.0000	-46.0932 **	-45.3882 **
7819.9875	-13.0000	-44.1931 **	-43.1314 **
8688.8750	-13.0000	-41.9931 **	-42.5028 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

6.11.3. Test Result (Digital)

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

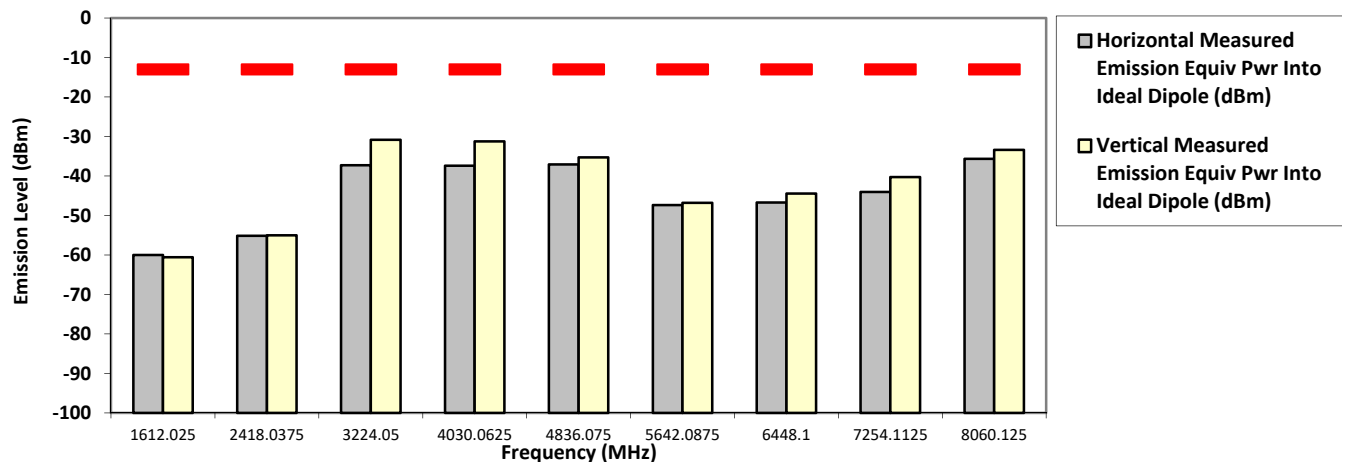
806.012500 MHz

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	-60.0297 **	-60.5891 **
2418.0375	-13.0000	-55.1428 **	-55.0542 **
3224.0500	-13.0000	-37.2700 *	-30.8300
4030.0625	-13.0000	-37.4300 *	-31.2600
4836.0750	-13.0000	-37.0900 *	-35.3000 *
5642.0875	-13.0000	-47.3940 **	-46.7978 **
6448.1000	-13.0000	-46.7295 **	-44.4473 **
7254.1125	-13.0000	-44.0687 **	-40.2932 **
8060.1250	-13.0000	-35.6800 *	-33.4000 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Fendi Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

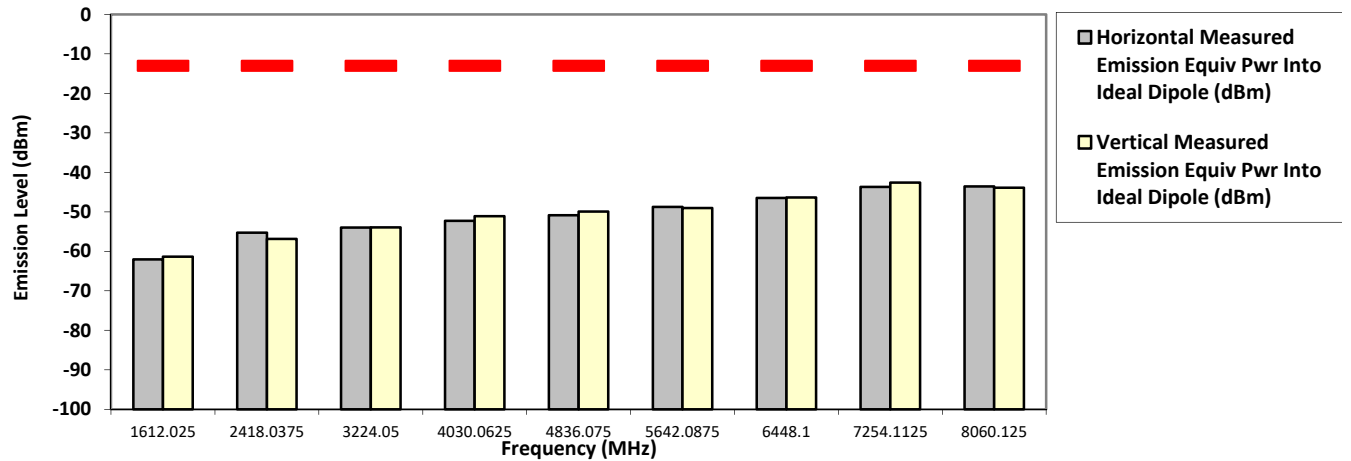
806.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-62.0527 **	-61.3496 **
2418.0375	-13.0000	-55.2594 **	-56.8707 **
3224.0500	-13.0000	-53.9662 **	-53.9427 **
4030.0625	-13.0000	-52.2778 **	-51.0886 **
4836.0750	-13.0000	-50.8666 **	-49.9215 **
5642.0875	-13.0000	-48.7668 **	-49.0369 **
6448.1000	-13.0000	-46.4896 **	-46.3841 **
7254.1125	-13.0000	-43.6828 **	-42.5985 **
8060.1250	-13.0000	-43.5645 **	-43.8773 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

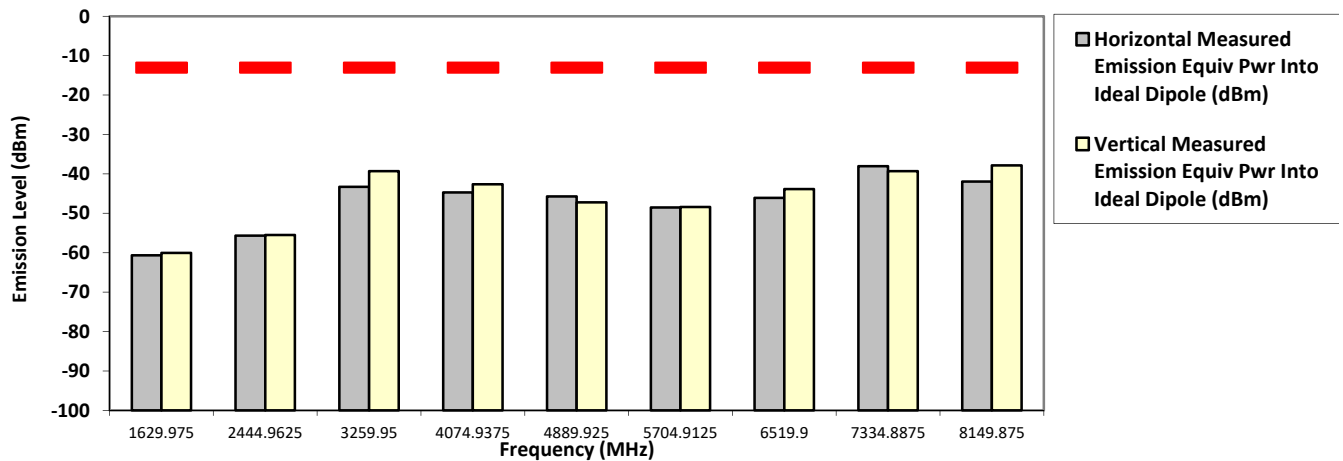
814.987500 MHz

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	-60.6655 **	-60.0517 **
2444.9625	-13.0000	-55.6644 **	-55.5125 **
3259.9500	-13.0000	-43.3000 *	-39.3100 *
4074.9375	-13.0000	-44.7100 *	-42.6300 *
4889.9250	-13.0000	-45.7407 **	-47.2123 **
5704.9125	-13.0000	-48.5126 **	-48.3984 **
6519.9000	-13.0000	-46.1002 **	-43.8550 **
7334.8875	-13.0000	-38.0400 *	-39.2900 *
8149.8750	-13.0000	-41.9507 **	-37.8503 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

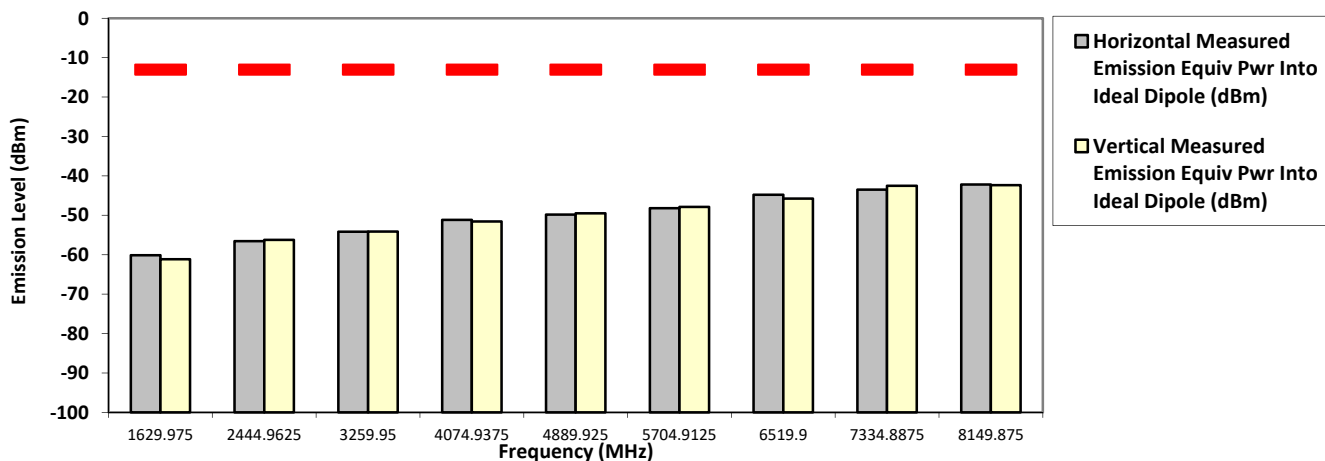
814.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-60.1350 **	-61.1441 **
2444.9625	-13.0000	-56.5714 **	-56.2321 **
3259.9500	-13.0000	-54.1749 **	-54.1103 **
4074.9375	-13.0000	-51.1802 **	-51.5843 **
4889.9250	-13.0000	-49.8424 **	-49.4982 **
5704.9125	-13.0000	-48.1962 **	-47.8897 **
6519.9000	-13.0000	-44.7721 **	-45.7499 **
7334.8875	-13.0000	-43.4862 **	-42.5303 **
8149.8750	-13.0000	-42.1921 **	-42.3332 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

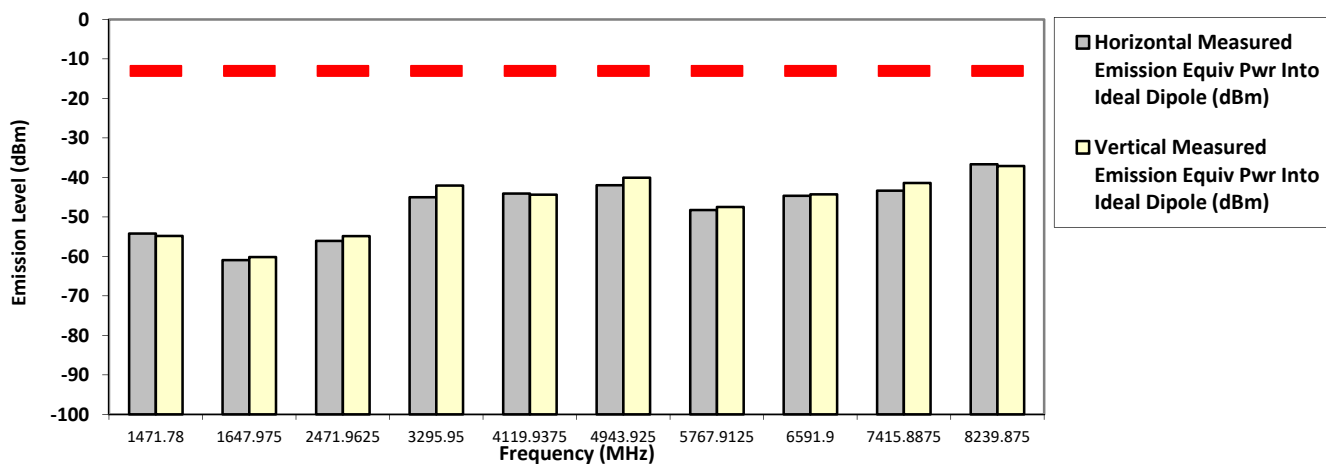
823.987500 MHz

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)
1471.7800	-13.0000	-54.2300 *	-54.8200 *
1647.9750	-13.0000	-60.9485 **	-60.1967 **
2471.9625	-13.0000	-56.0875 **	-54.8624 **
3295.9500	-13.0000	-45.0200 *	-42.0800 *
4119.9375	-13.0000	-44.1000 *	-44.3900 *
4943.9250	-13.0000	-42.0000 *	-40.0900 *
5767.9125	-13.0000	-48.2648 **	-47.5023 **
6591.9000	-13.0000	-44.6593 **	-44.3100 **
7415.8875	-13.0000	-43.3617 **	-41.4141 **
8239.8750	-13.0000	-36.6800 *	-37.1300 *

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Fendi Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

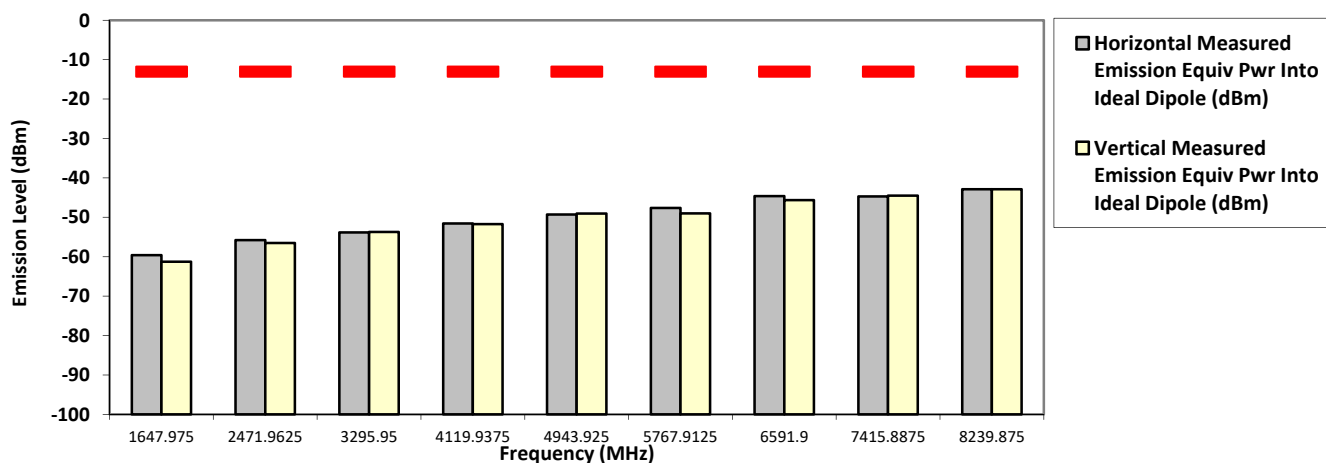
823.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-59.6188 **	-61.2587 **
2471.9625	-13.0000	-55.7963 **	-56.5020 **
3295.9500	-13.0000	-53.8466 **	-53.7053 **
4119.9375	-13.0000	-51.5576 **	-51.7479 **
4943.9250	-13.0000	-49.3143 **	-49.0604 **
5767.9125	-13.0000	-47.6485 **	-49.0225 **
6591.9000	-13.0000	-44.6362 **	-45.6321 **
7415.8875	-13.0000	-44.6874 **	-44.4905 **
8239.8750	-13.0000	-42.8671 **	-42.8721 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

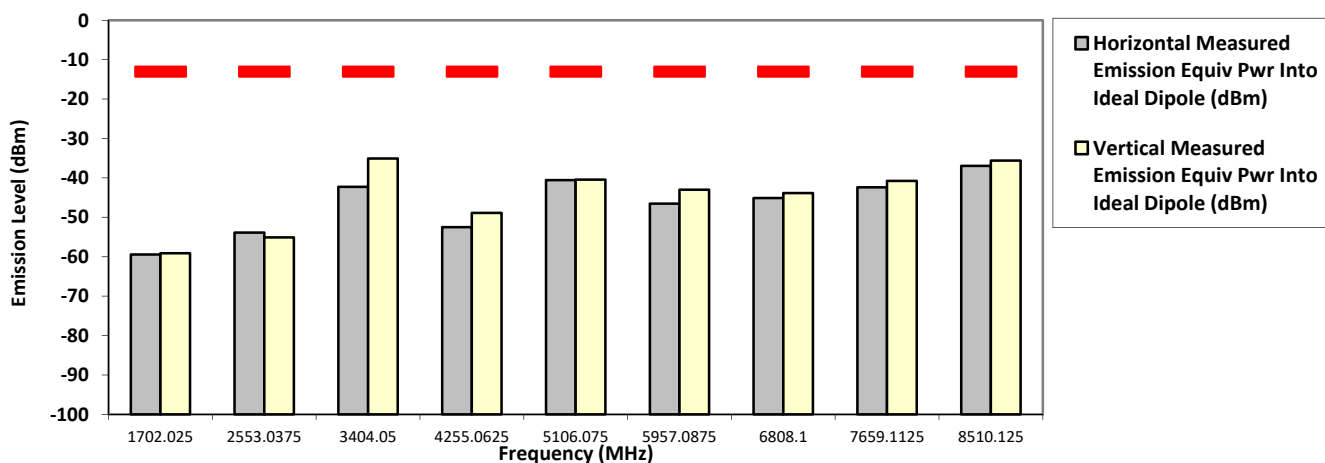
SAC Transmitter Radiated Emission:
 S/N: PHUW1001H-CF2
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01
 Test Mode: TX APCO Digital C4FM

SR:08878-EMC-00042

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	-59.4497 **	-59.1328 **
2553.0375	-13.0000	-53.8917 **	-55.1127 **
3404.0500	-13.0000	-42.2600 *	-35.0800 *
4255.0625	-13.0000	-52.5097 **	-48.8801 **
5106.0750	-13.0000	-40.5700 *	-40.4400 *
5957.0875	-13.0000	-46.5251 **	-43.0122 **
6808.1000	-13.0000	-45.1138 **	-43.8351 **
7659.1125	-13.0000	-42.4064 **	-40.7614 **
8510.1250	-13.0000	-36.9700 *	-35.6100 *

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

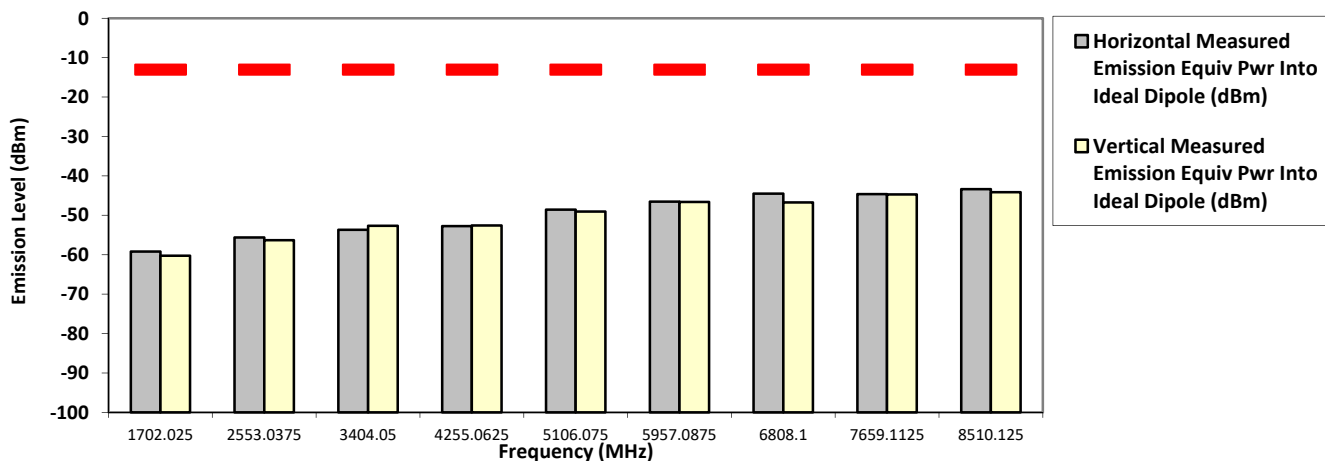
851.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1702.0250	-13.0000	-59.1880 **	-60.2440 **
2553.0375	-13.0000	-55.6216 **	-56.3028 **
3404.0500	-13.0000	-53.6707 **	-52.6646 **
4255.0625	-13.0000	-52.7274 **	-52.6023 **
5106.0750	-13.0000	-48.5628 **	-49.0461 **
5957.0875	-13.0000	-46.5198 **	-46.5956 **
6808.1000	-13.0000	-44.5117 **	-46.7420 **
7659.1125	-13.0000	-44.6305 **	-44.7226 **
8510.1250	-13.0000	-43.3775 **	-44.1376 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

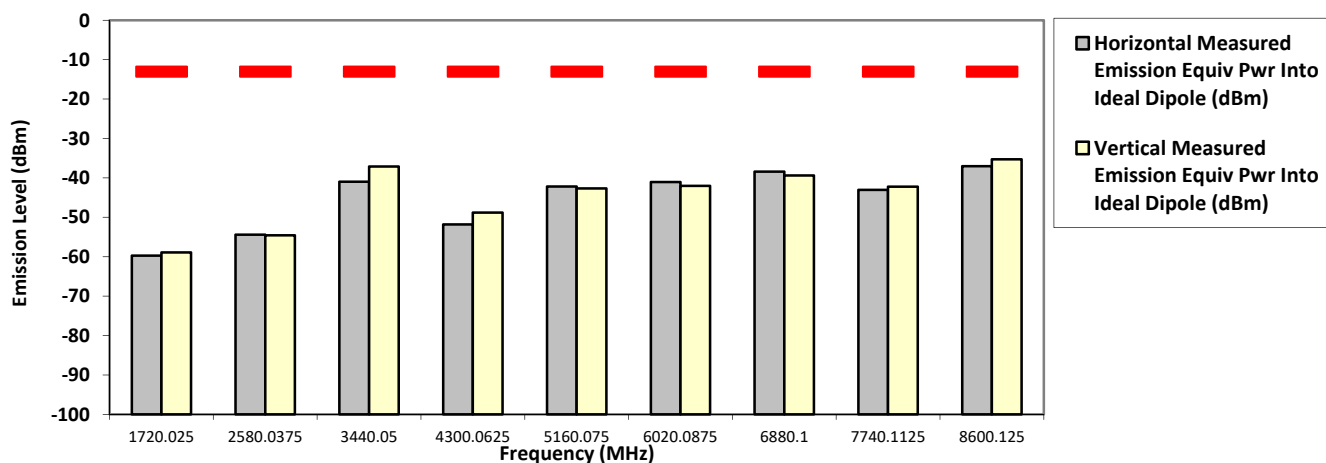
860.012500 MHz

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	-59.7132 **	-58.9306 **
2580.0375	-13.0000	-54.4126 **	-54.5733 **
3440.0500	-13.0000	-40.9900 *	-37.1200 *
4300.0625	-13.0000	-51.8226 **	-48.8279 **
5160.0750	-13.0000	-42.2000 *	-42.6700 *
6020.0875	-13.0000	-41.0700 *	-42.0200 *
6880.1000	-13.0000	-38.4200 *	-39.3700 *
7740.1125	-13.0000	-43.0452 **	-42.2360 **
8600.1250	-13.0000	-37.0500 *	-35.2700 *

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

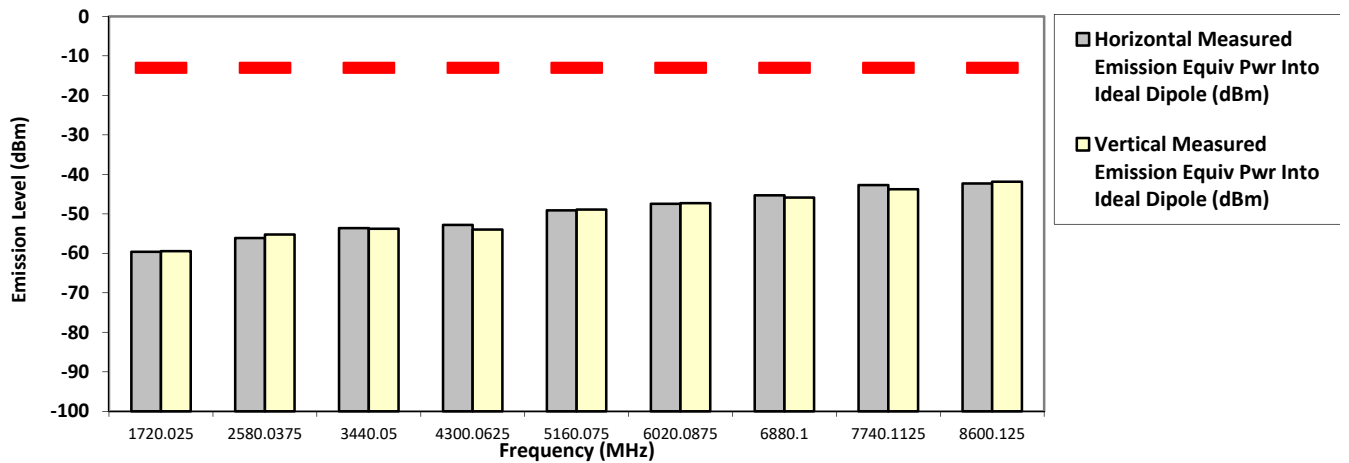
860.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-59.6156 **	-59.4322 **
2580.0375	-13.0000	-56.1224 **	-55.2257 **
3440.0500	-13.0000	-53.6041 **	-53.7945 **
4300.0625	-13.0000	-52.8129 **	-53.9826 **
5160.0750	-13.0000	-49.1128 **	-48.9177 **
6020.0875	-13.0000	-47.4546 **	-47.2980 **
6880.1000	-13.0000	-45.3128 **	-45.8877 **
7740.1125	-13.0000	-42.7283 **	-43.7527 **
8600.1250	-13.0000	-42.3081 **	-41.8666 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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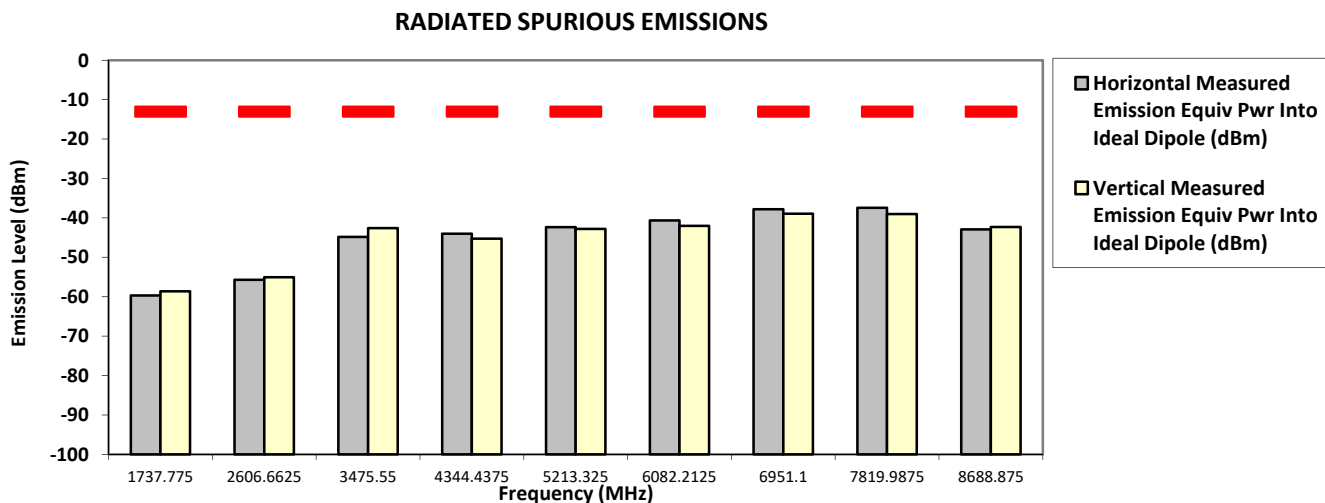
Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

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	-59.6791 **	-58.6475 **
2606.6625	-13.0000	-55.7271 **	-55.0789 **
3475.5500	-13.0000	-44.8400 *	-42.6000 *
4344.4375	-13.0000	-44.0000 *	-45.2800 *
5213.3250	-13.0000	-42.3400 *	-42.8000 *
6082.2125	-13.0000	-40.6300 *	-42.0100 *
6951.1000	-13.0000	-37.8100 *	-38.9600 *
7819.9875	-13.0000	-37.4500 *	-39.0300 *
8688.8750	-13.0000	-42.9329 **	-42.2994 **



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

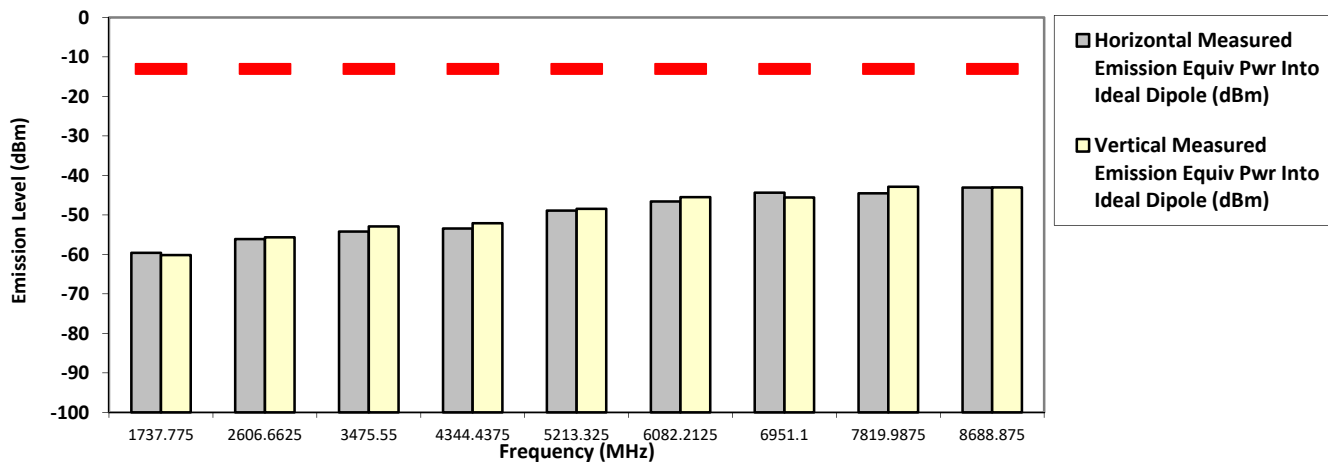
868.887500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1737.7750	-13.0000	-59.5966 **	-60.1961 **
2606.6625	-13.0000	-56.1448 **	-55.6997 **
3475.5500	-13.0000	-54.2238 **	-52.9162 **
4344.4375	-13.0000	-53.4376 **	-52.1161 **
5213.3250	-13.0000	-48.9249 **	-48.4821 **
6082.2125	-13.0000	-46.6242 **	-45.5253 **
6951.1000	-13.0000	-44.3666 **	-45.5818 **
7819.9875	-13.0000	-44.5483 **	-42.8937 **
8688.8750	-13.0000	-43.0862 **	-43.0249 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
 Motorola Penang EMC Lab - Test Performed by: Nazrin&Fendi
 Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

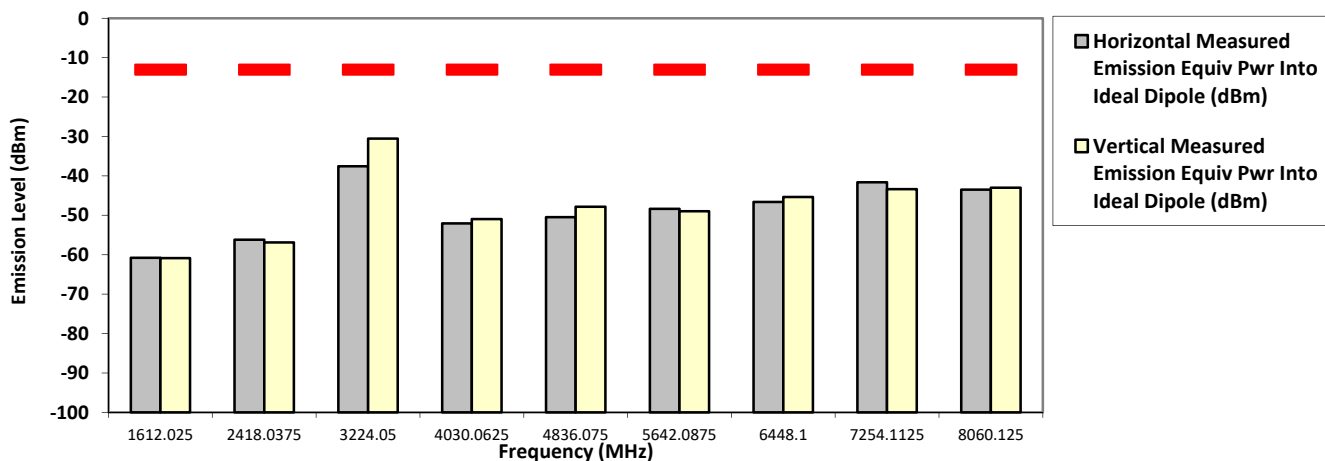
806.012500 MHz

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	-60.7784 **	-60.8535 **
2418.0375	-13.0000	-56.2021 **	-56.9051 **
3224.0500	-13.0000	-37.5600 *	-30.5200
4030.0625	-13.0000	-52.0700 **	-50.9702 **
4836.0750	-13.0000	-50.4885 **	-47.8221 **
5642.0875	-13.0000	-48.3428 **	-48.9781 **
6448.1000	-13.0000	-46.6327 **	-45.3610 **
7254.1125	-13.0000	-41.6095 **	-43.3539 **
8060.1250	-13.0000	-43.4859 **	-43.0132 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

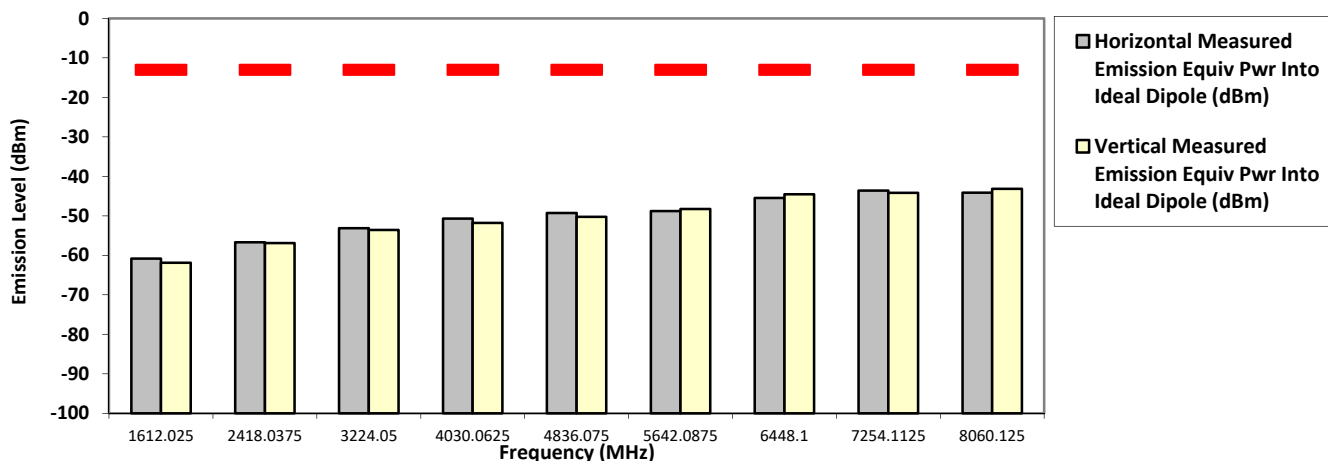
806.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1612.0250	-13.0000	-60.8477 **	-61.8996 **
2418.0375	-13.0000	-56.6891 **	-56.9064 **
3224.0500	-13.0000	-53.1457 **	-53.5804 **
4030.0625	-13.0000	-50.7052 **	-51.8045 **
4836.0750	-13.0000	-49.2926 **	-50.2585 **
5642.0875	-13.0000	-48.7944 **	-48.2591 **
6448.1000	-13.0000	-45.4640 **	-44.5580 **
7254.1125	-13.0000	-43.6068 **	-44.1965 **
8060.1250	-13.0000	-44.1378 **	-43.1779 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

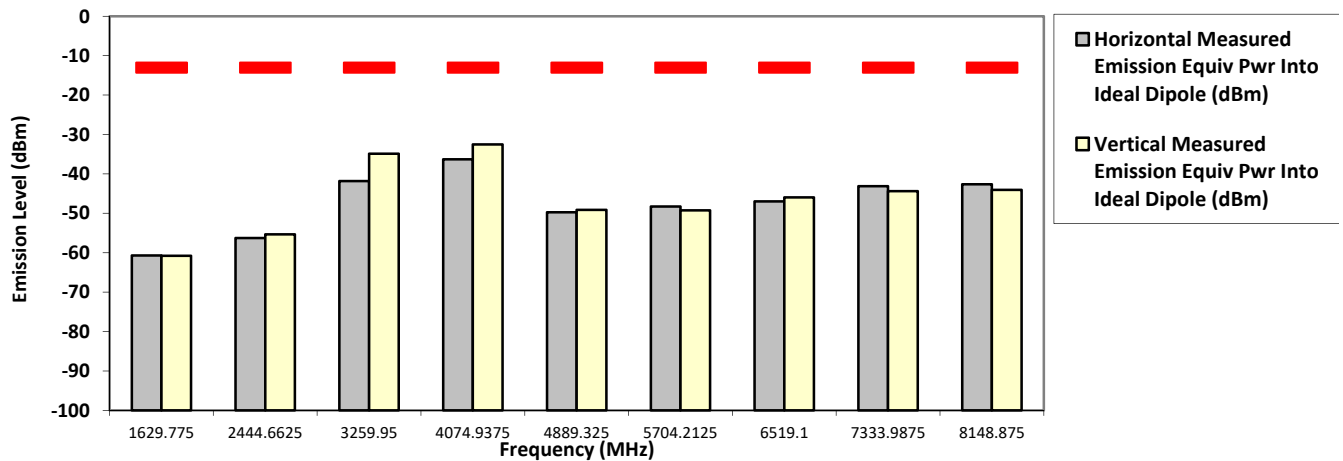
814.887500 MHz

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)
1629.7750	-13.0000	-60.6935 **	-60.7652 **
2444.6625	-13.0000	-56.2672 **	-55.3307 **
3259.9500	-13.0000	-41.8400 *	-34.8900 *
4074.9375	-13.0000	-36.3200 *	-32.5400
4889.3250	-13.0000	-49.7245 **	-49.1370 **
5704.2125	-13.0000	-48.2631 **	-49.2687 **
6519.1000	-13.0000	-46.9776 **	-45.9764 **
7333.9875	-13.0000	-43.1077 **	-44.4016 **
8148.8750	-13.0000	-42.6179 **	-44.0700 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

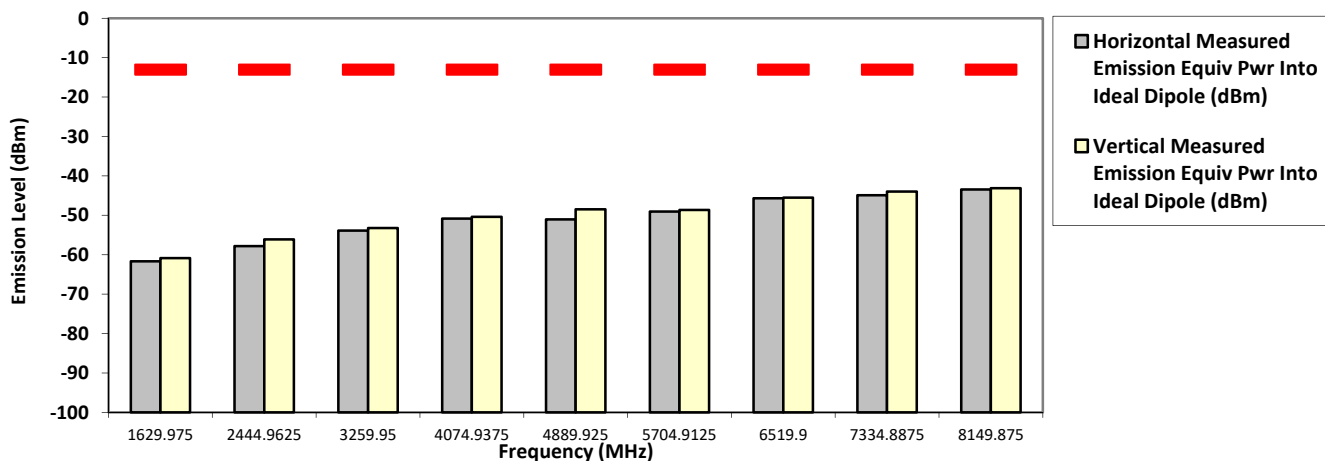
814.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1629.9750	-13.0000	-61.6710 **	-60.8835 **
2444.9625	-13.0000	-57.8099 **	-56.1312 **
3259.9500	-13.0000	-53.8784 **	-53.2473 **
4074.9375	-13.0000	-50.8264 **	-50.3766 **
4889.9250	-13.0000	-51.0547 **	-48.5019 **
5704.9125	-13.0000	-49.0585 **	-48.6643 **
6519.9000	-13.0000	-45.6822 **	-45.5118 **
7334.8875	-13.0000	-44.9266 **	-43.9887 **
8149.8750	-13.0000	-43.4595 **	-43.1280 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

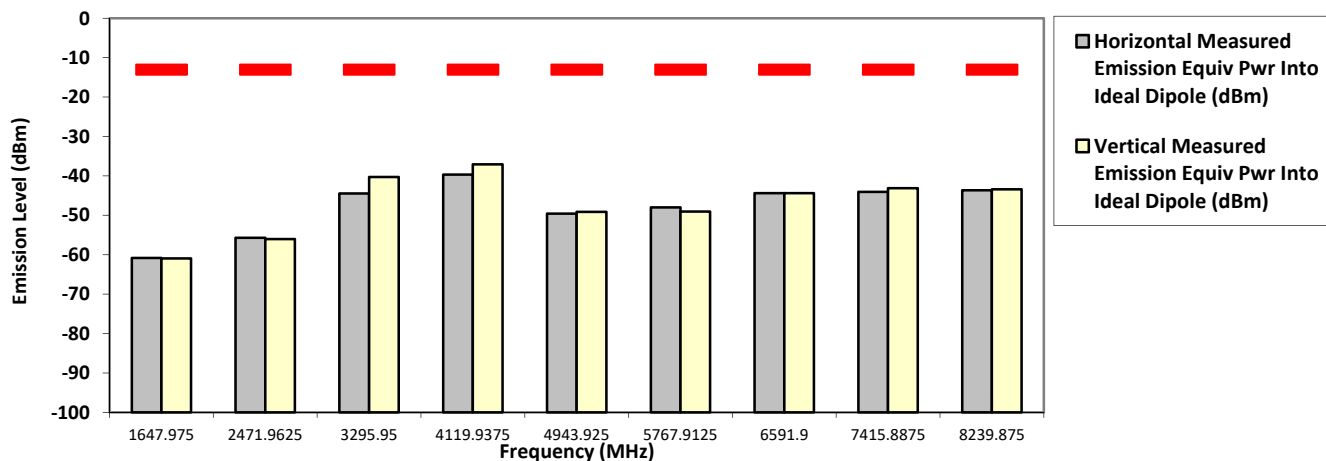
823.987500 MHz

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	-60.8215 **	-60.9456 **
2471.9625	-13.0000	-55.6947 **	-56.0143 **
3295.9500	-13.0000	-44.4700 *	-40.2900 *
4119.9375	-13.0000	-39.6600 *	-37.0900 *
4943.9250	-13.0000	-49.5840 **	-49.1438 **
5767.9125	-13.0000	-48.0023 **	-49.0324 **
6591.9000	-13.0000	-44.3990 **	-44.3920 **
7415.8875	-13.0000	-44.0645 **	-43.1308 **
8239.8750	-13.0000	-43.6351 **	-43.4208 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

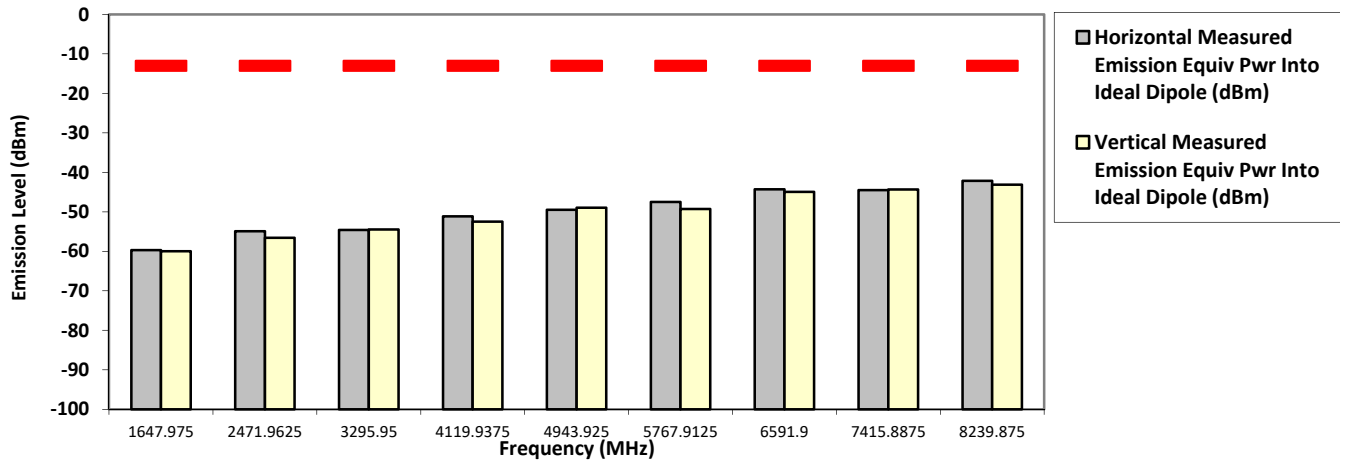
823.987500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1647.9750	-13.0000	-59.6751 **	-59.9737 **
2471.9625	-13.0000	-54.9140 **	-56.5619 **
3295.9500	-13.0000	-54.5884 **	-54.4525 **
4119.9375	-13.0000	-51.1443 **	-52.4716 **
4943.9250	-13.0000	-49.4965 **	-48.9634 **
5767.9125	-13.0000	-47.5146 **	-49.2779 **
6591.9000	-13.0000	-44.2973 **	-44.9639 **
7415.8875	-13.0000	-44.5029 **	-44.3586 **
8239.8750	-13.0000	-42.1552 **	-43.1304 **

RADIATED SPURIOUS EMISSIONS



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

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

Tue, 1 Dec, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

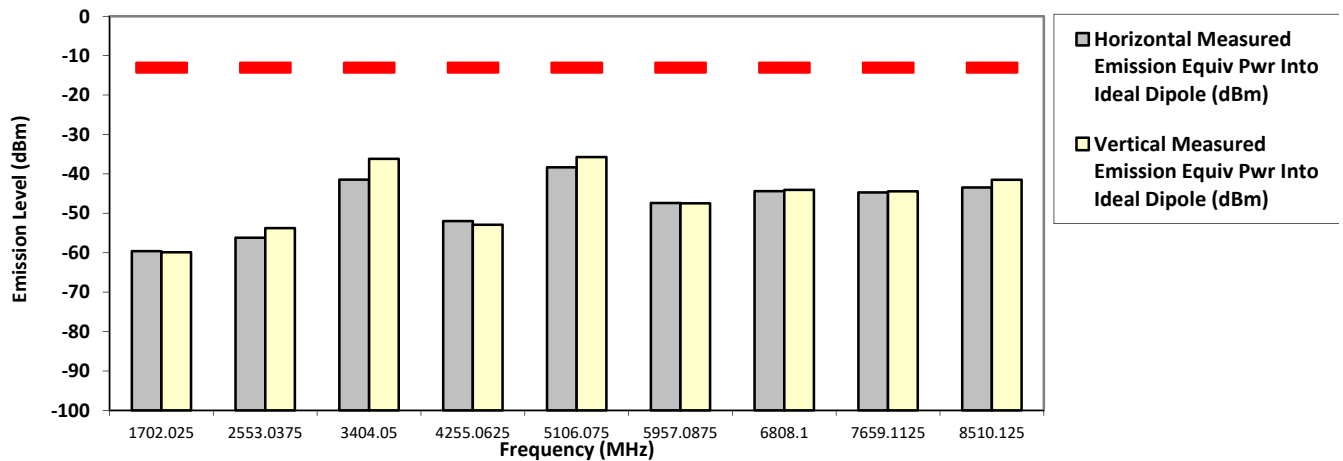
851.012500 MHz

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	-59.6027 **	-59.8916 **
2553.0375	-13.0000	-56.1939 **	-53.7576 **
3404.0500	-13.0000	-41.4400 *	-36.1700 *
4255.0625	-13.0000	-51.9833 **	-52.9263 **
5106.0750	-13.0000	-38.3500 *	-35.7200 *
5957.0875	-13.0000	-47.4019 **	-47.4494 **
6808.1000	-13.0000	-44.3911 **	-44.0447 **
7659.1125	-13.0000	-44.7087 **	-44.4162 **
8510.1250	-13.0000	-43.4443 **	-41.5094 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

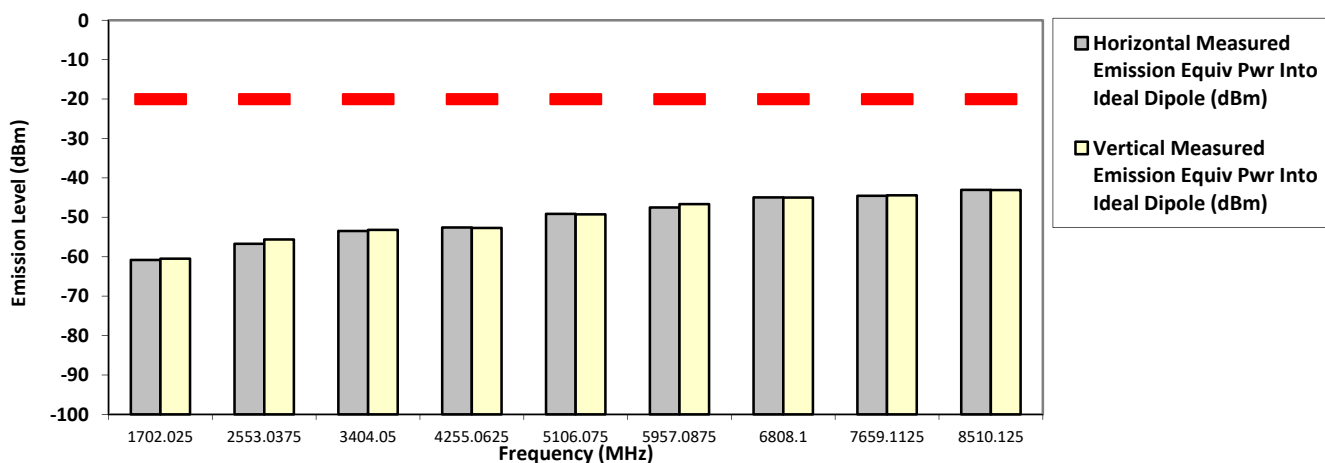
851.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1702.0250	-13.0000	-60.8434 **	-60.4816 **
2553.0375	-13.0000	-56.7311 **	-55.6450 **
3404.0500	-13.0000	-53.4597 **	-53.1812 **
4255.0625	-13.0000	-52.5824 **	-52.7041 **
5106.0750	-13.0000	-49.1336 **	-49.2630 **
5957.0875	-13.0000	-47.4923 **	-46.6740 **
6808.1000	-13.0000	-44.9578 **	-45.0032 **
7659.1125	-13.0000	-44.5350 **	-44.4275 **
8510.1250	-13.0000	-43.0308 **	-43.0900 **

RADIATED SPURIOUS EMISSIONS



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

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

Wed, 2 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

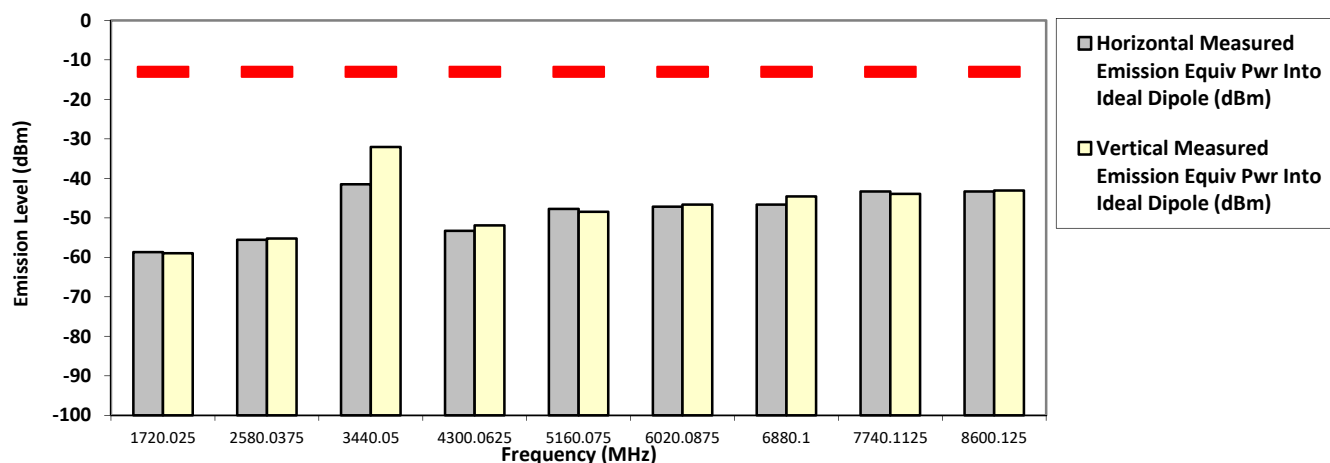
860.012500 MHz

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	-58.6915 **	-58.9645 **
2580.0375	-13.0000	-55.5731 **	-55.2487 **
3440.0500	-13.0000	-41.5200 *	-32.0500
4300.0625	-13.0000	-53.3059 **	-51.9259 **
5160.0750	-13.0000	-47.7396 **	-48.4608 **
6020.0875	-13.0000	-47.1786 **	-46.6579 **
6880.1000	-13.0000	-46.6535 **	-44.5723 **
7740.1125	-13.0000	-43.3129 **	-43.9491 **
8600.1250	-13.0000	-43.3187 **	-43.0775 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

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

Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

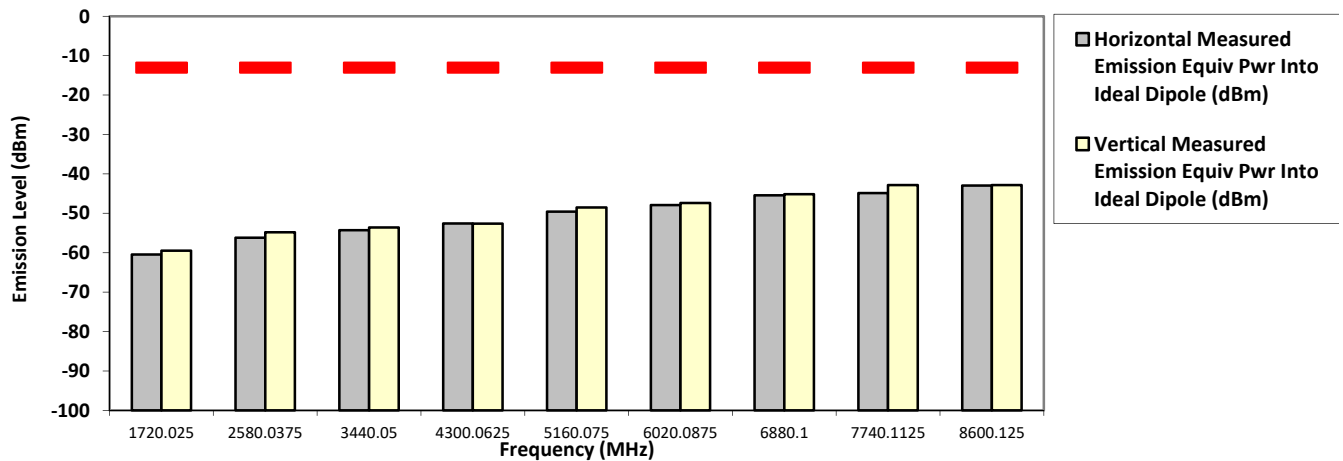
860.012500 MHz

12.5 kHz

1.000 Watt(s) /Low Power

Frequency (MHz)	Limit	Horizontal Measured Emission Equip Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equip Pwr Into ideal Dipole (dBm)
1720.0250	-13.0000	-60.4481 **	-59.5014 **
2580.0375	-13.0000	-56.1973 **	-54.8049 **
3440.0500	-13.0000	-54.2830 **	-53.5845 **
4300.0625	-13.0000	-52.5999 **	-52.6161 **
5160.0750	-13.0000	-49.5590 **	-48.5337 **
6020.0875	-13.0000	-47.9280 **	-47.3735 **
6880.1000	-13.0000	-45.4540 **	-45.1600 **
7740.1125	-13.0000	-44.8685 **	-42.8324 **
8600.1250	-13.0000	-42.9679 **	-42.8590 **

RADIATED SPURIOUS EMISSIONS



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

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

Wed, 2 Dec, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

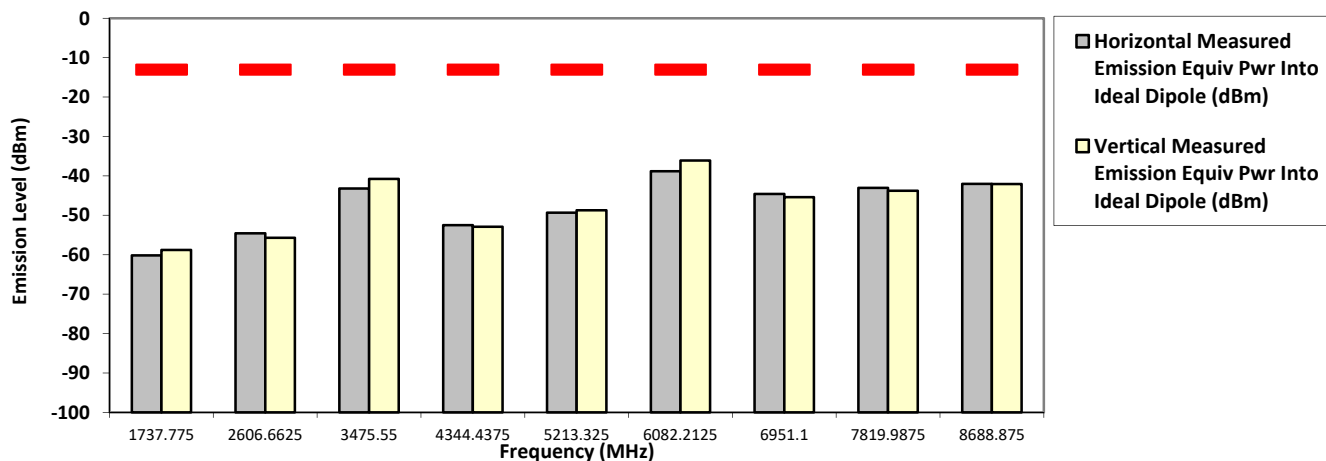
SAC Transmitter Radiated Emission:
 S/N: PHUW1001H-CF2
 Accy Part No: HMN4079G-C2, 3466-HKN6163C-1, HKN6170B-CF1, 657-HKN6188B,
 PMHN4194A-CF9, PMUN1057B-CF2, AN000163A01
 Test Mode: TX APCO Digital Phase II

SR:08878-EMC-00042

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	-60.1810 **	-58.8037 **
2606.6625	-13.0000	-54.5669 **	-55.7165 **
3475.5500	-13.0000	-43.1900 *	-40.7700 *
4344.4375	-13.0000	-52.4912 **	-52.8972 **
5213.3250	-13.0000	-49.3485 **	-48.7240 **
6082.2125	-13.0000	-38.8100 *	-36.1200 *
6951.1000	-13.0000	-44.6014 **	-45.3874 **
7819.9875	-13.0000	-43.0276 **	-43.7761 **
8688.8750	-13.0000	-42.0149 **	-42.0500 **

RADIATED SPURIOUS EMISSIONS



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

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

Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

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

Model Number: M37TXS9PW1AN
 Battery Part No: NA

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

SR:08878-EMC-00042

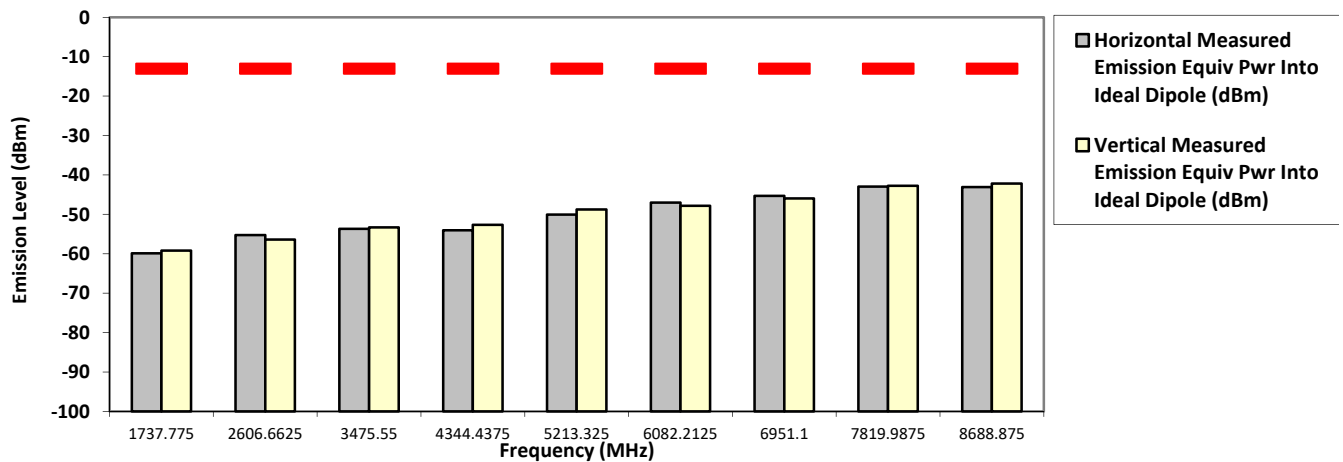
868.887500 MHz

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)
1737.7750	-13.0000	-59.8910 **	-59.2027 **
2606.6625	-13.0000	-55.2596 **	-56.4051 **
3475.5500	-13.0000	-53.6812 **	-53.3273 **
4344.4375	-13.0000	-54.0527 **	-52.6584 **
5213.3250	-13.0000	-50.0740 **	-48.7708 **
6082.2125	-13.0000	-47.0298 **	-47.8326 **
6951.1000	-13.0000	-45.3181 **	-45.9579 **
7819.9875	-13.0000	-42.9463 **	-42.7529 **
8688.8750	-13.0000	-43.0944 **	-42.2020 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the ANSI C63.26-2015 document.
 Motorola Penang EMC Lab - Test Performed by: Qawiman&Fendi Sat, 28 Nov, 2020

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

*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported
 Temp(Deg): 23.9 Hum(%RH): 69.9

System MU: 4.03 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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6.11.4. Test Limit

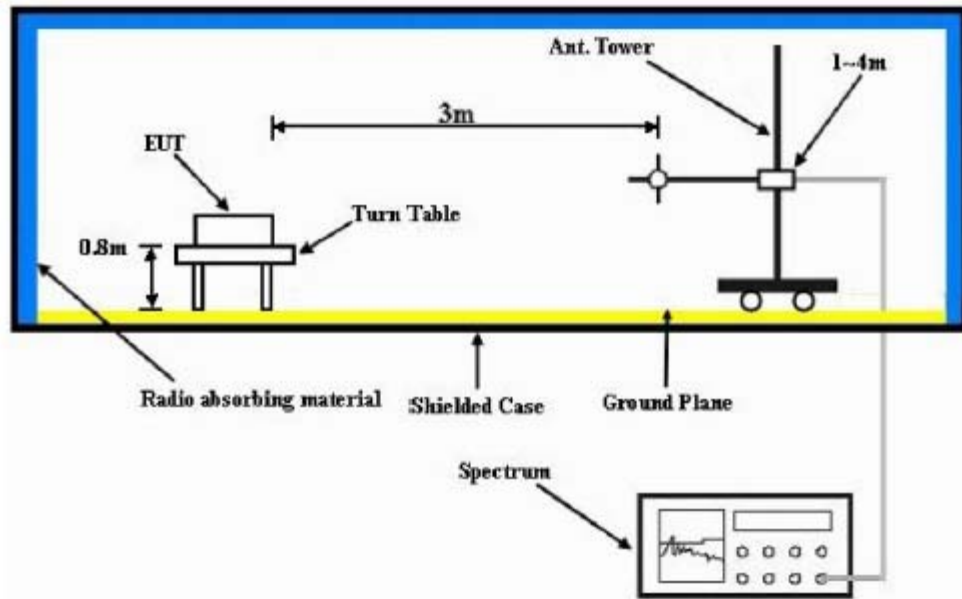
Table below summarized the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least

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

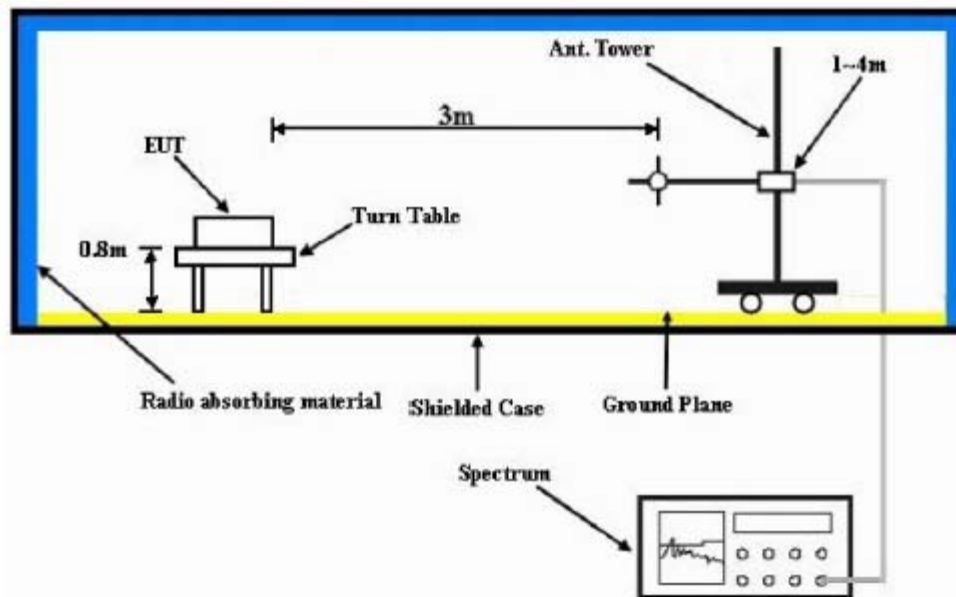
Not Applicable

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 ~