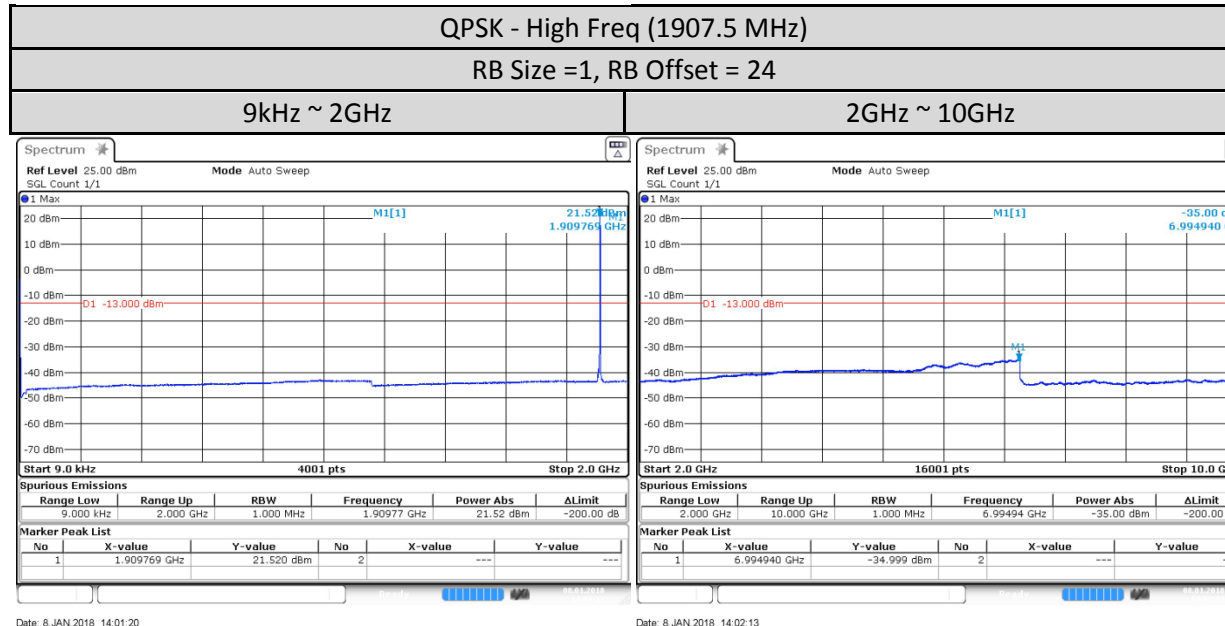
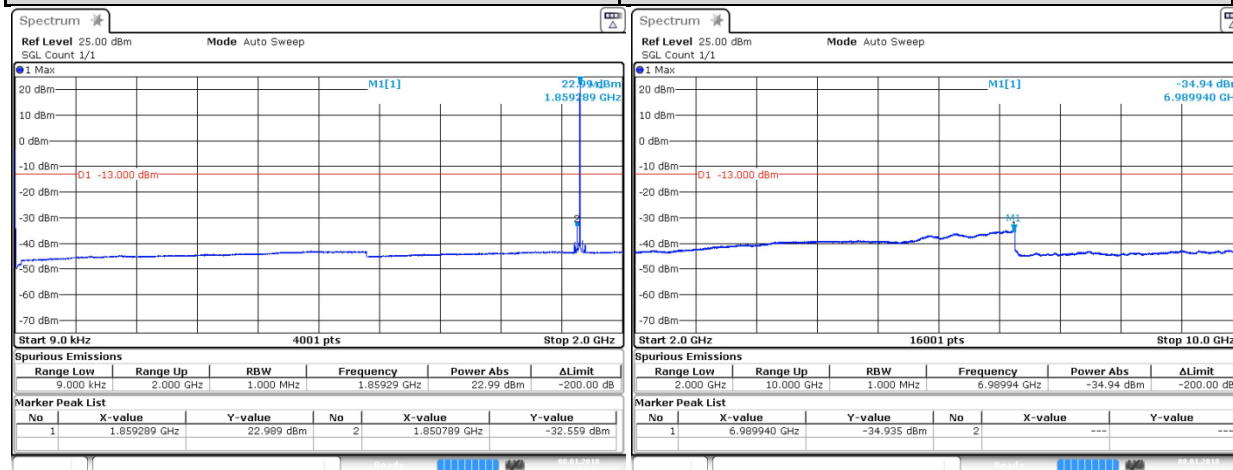




10MHz

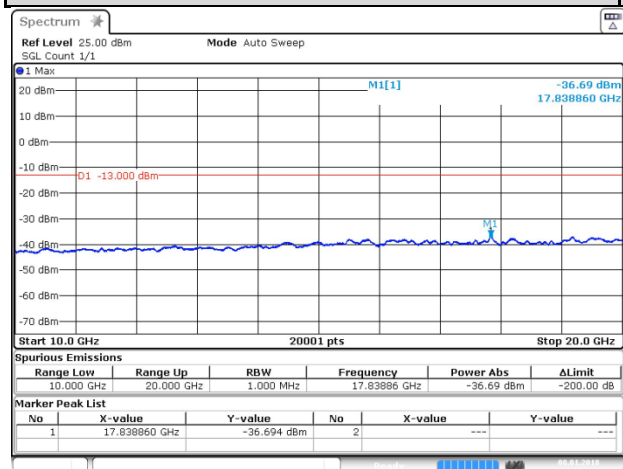
QPSK - Low Freq (1855.0 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz



Date: 8 JAN 2018 14:04:13

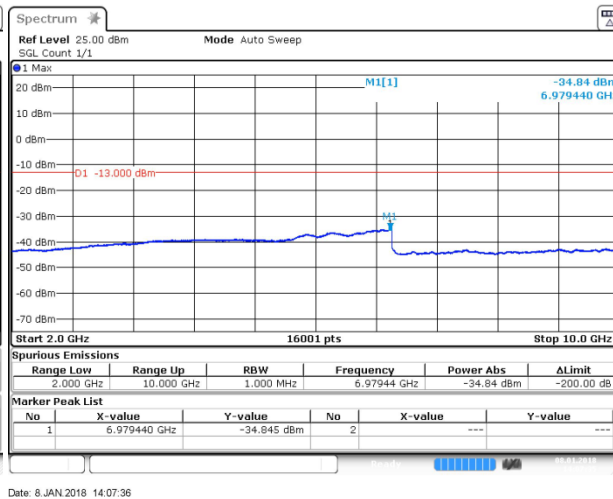
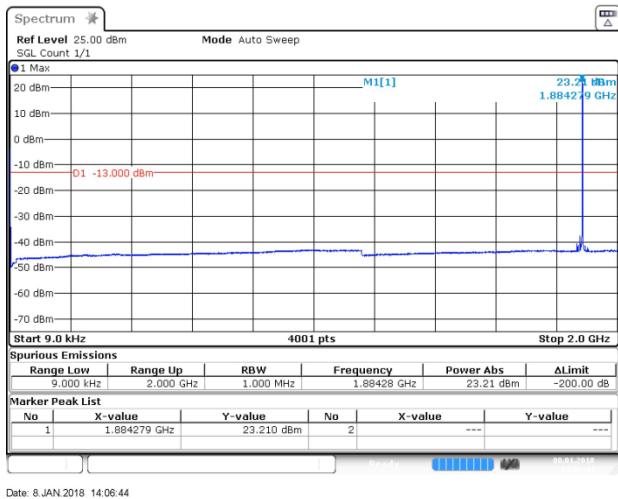
Date: 8 JAN 2018 14:05:07

10GHz ~ 20GHz

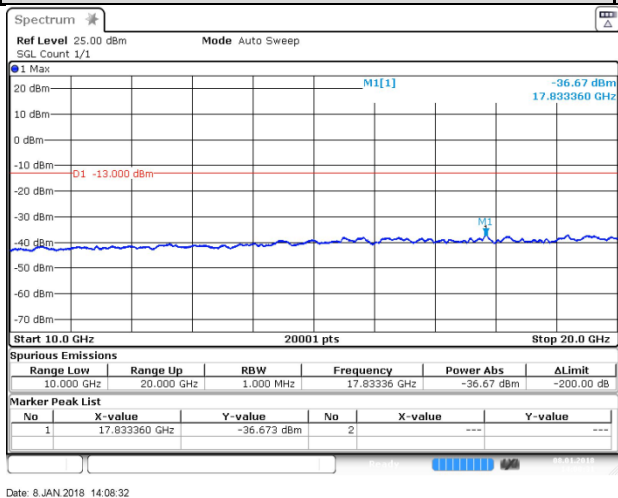


Date: 8 JAN 2018 14:06:02

QPSK - Mid Freq (1880 MHz)	
RB Size =1, RB Offset = 49	
9kHz ~ 2GHz	2GHz ~ 10GHz

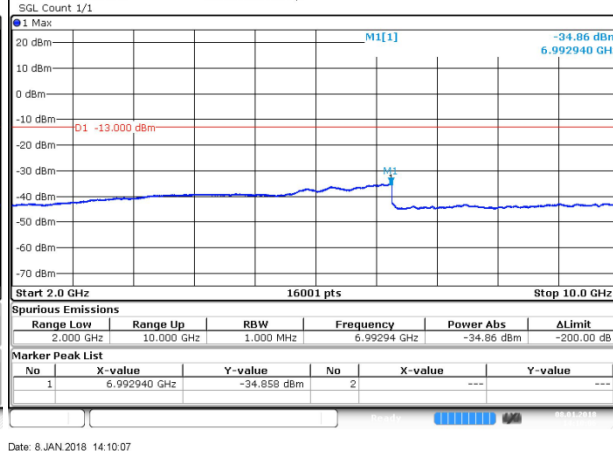
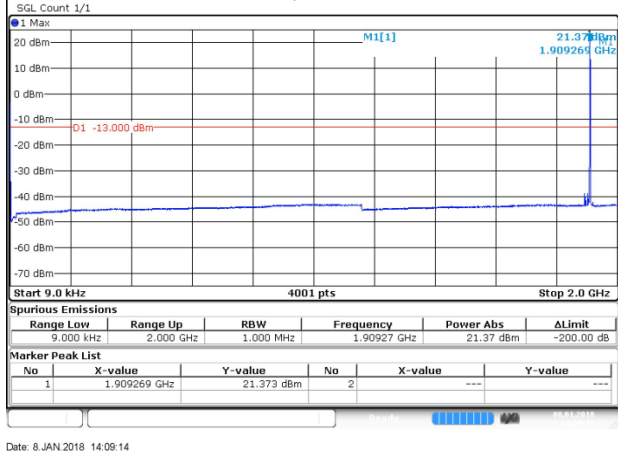


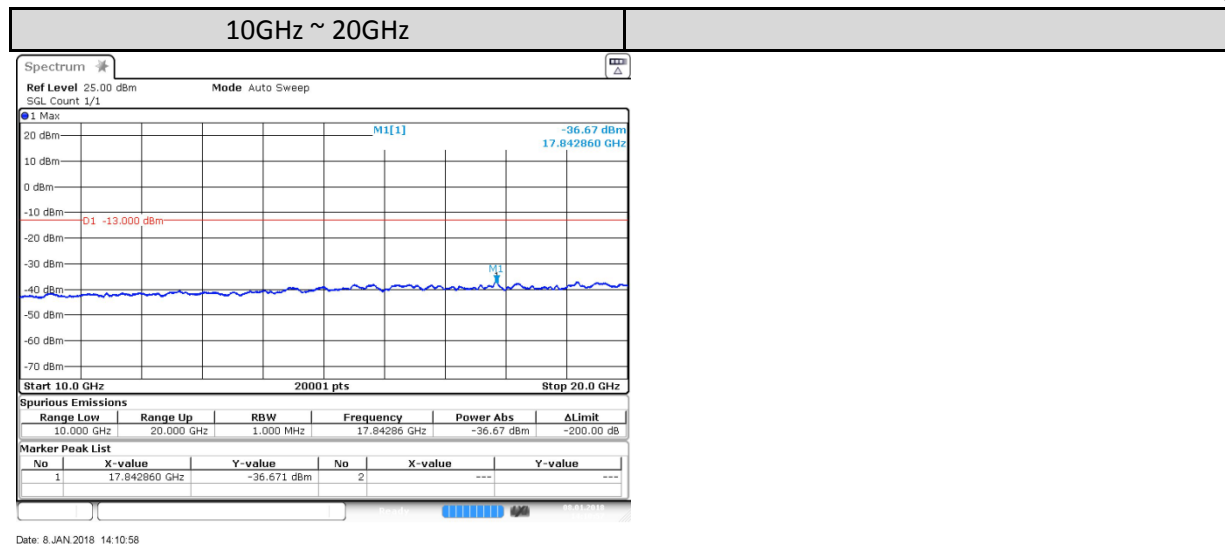
10GHz ~ 20GHz



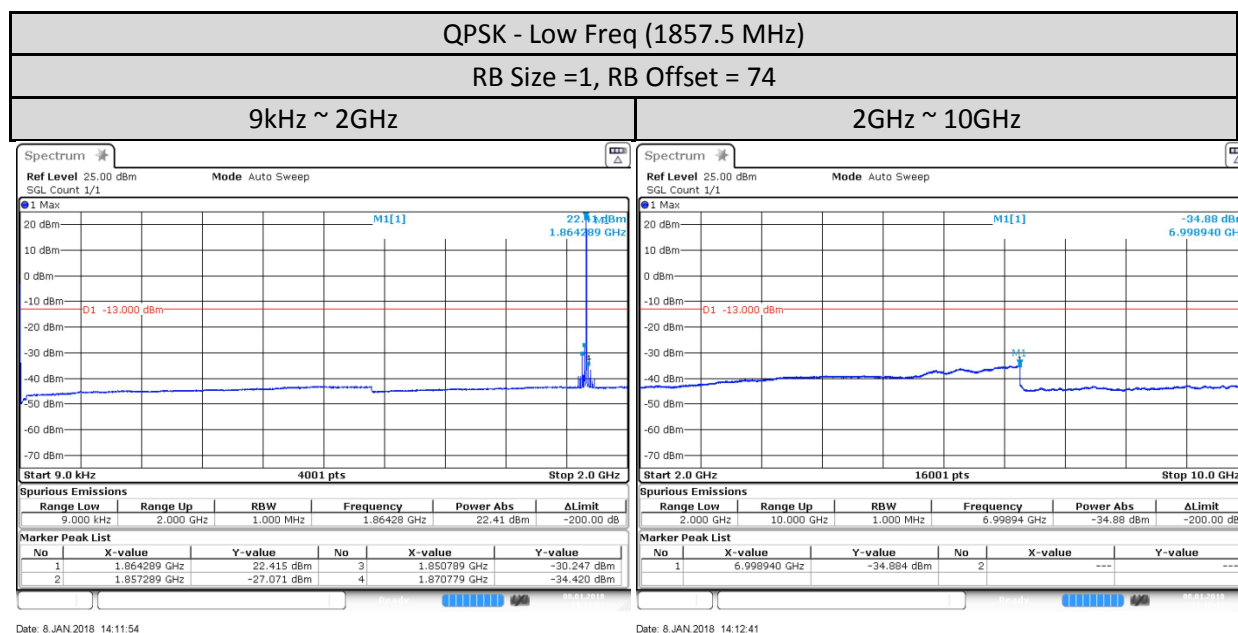
QPSK - High Freq (1905 MHz) RB Size =1, RB Offset = 49

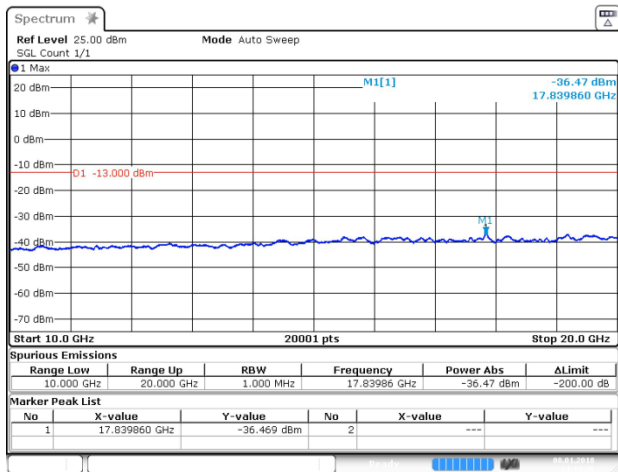
9kHz ~ 2GHz 2GHz ~ 10GHz





15MHz





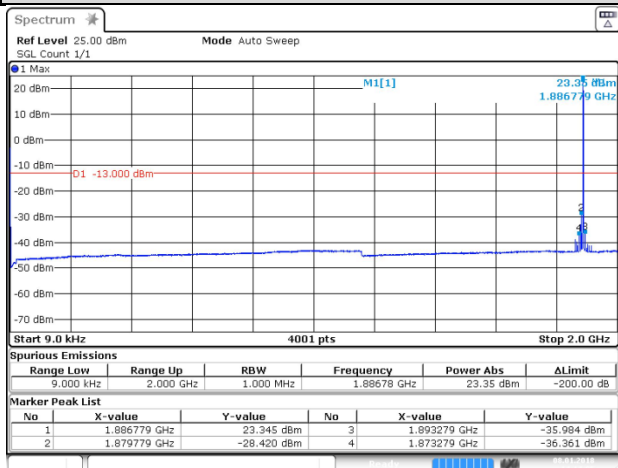
Date: 8 JAN 2018 14:13:31

QPSK - Mid Freq (1880 MHz)

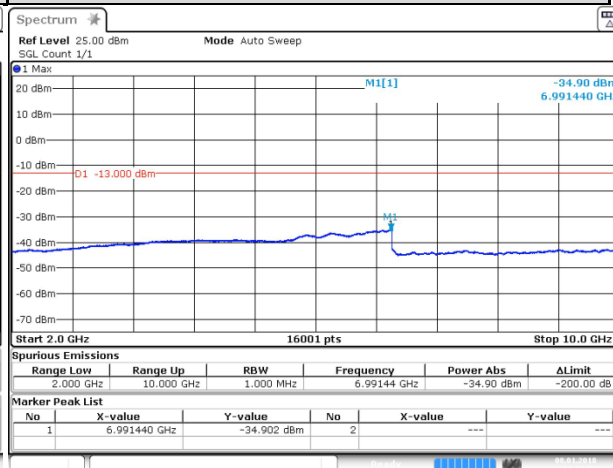
RB Size =1, RB Offset = 74

9kHz ~ 2GHz

2GHz ~ 10GHz

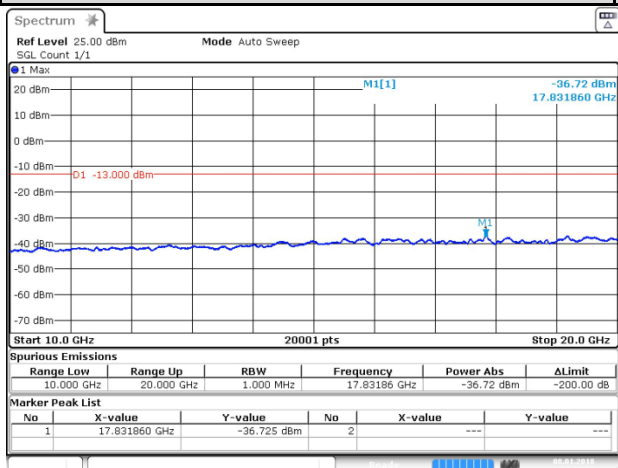


Date: 8 JAN 2018 14:14:06

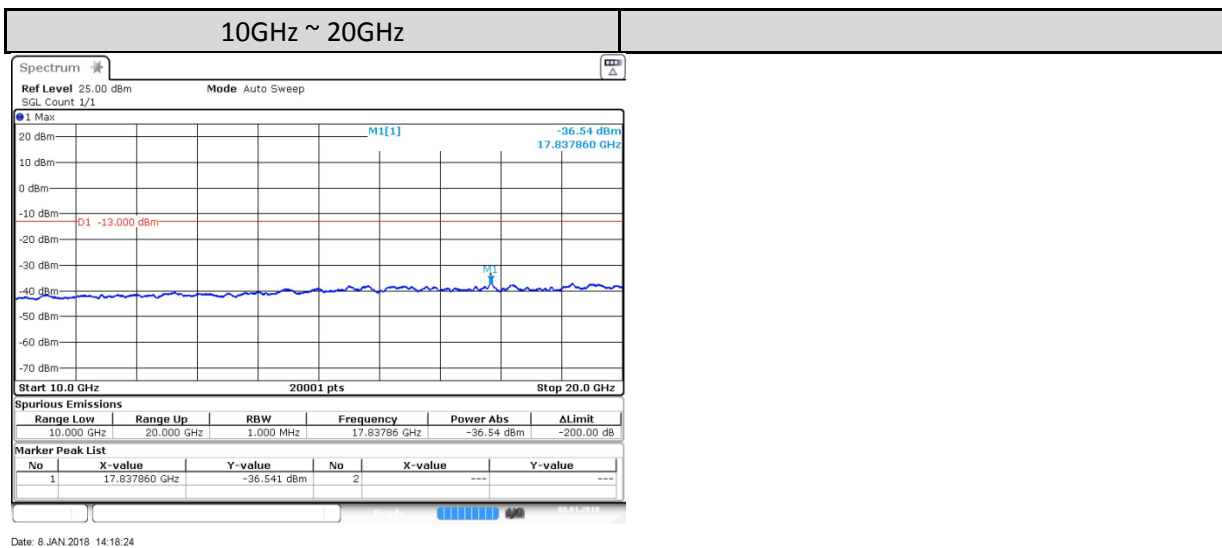
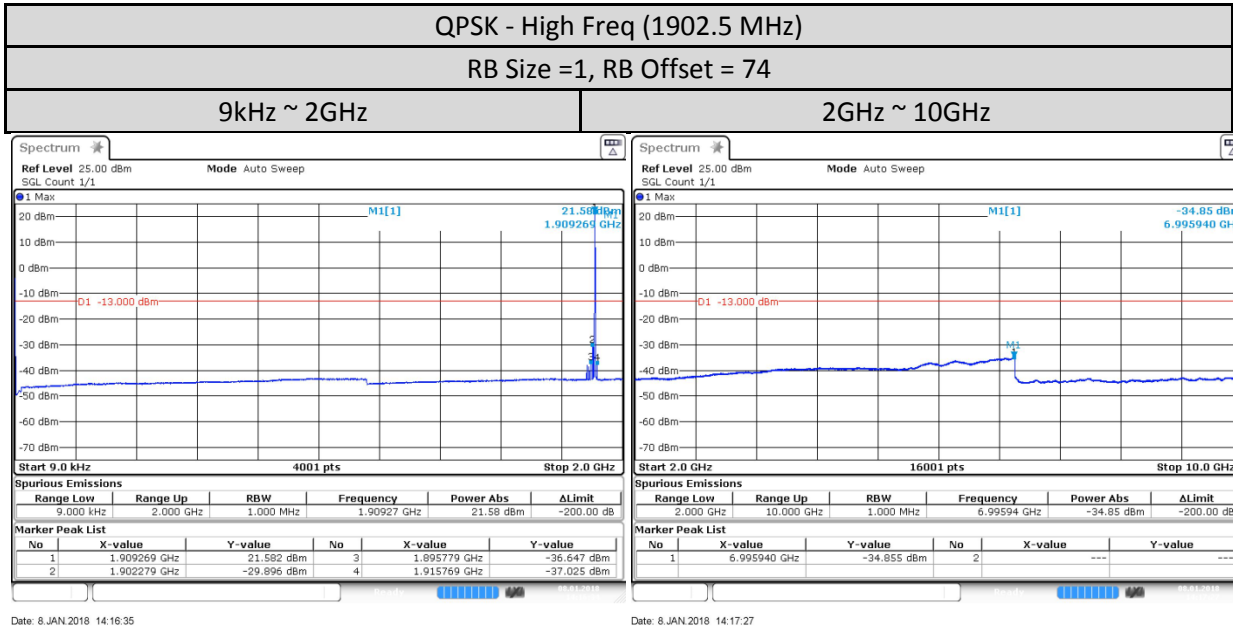


Date: 8 JAN 2018 14:14:57

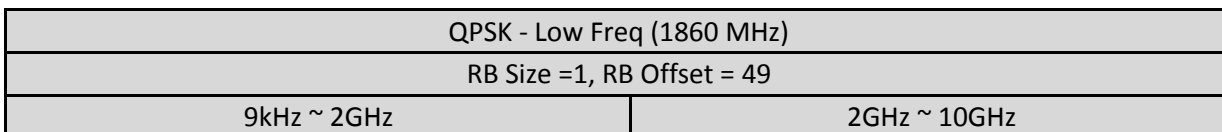
10GHz ~ 20GHz

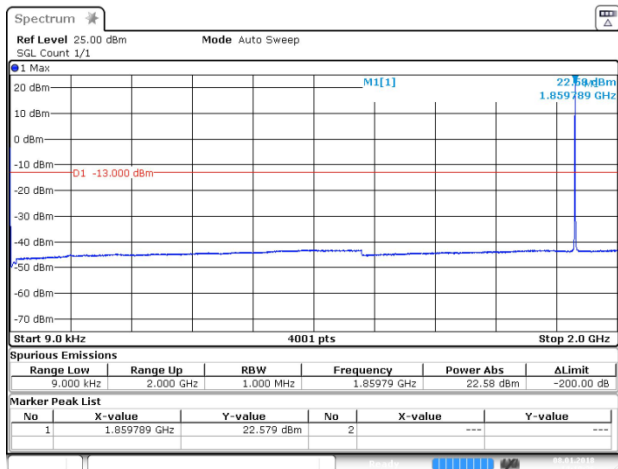


Date: 8 JAN 2018 14:15:53

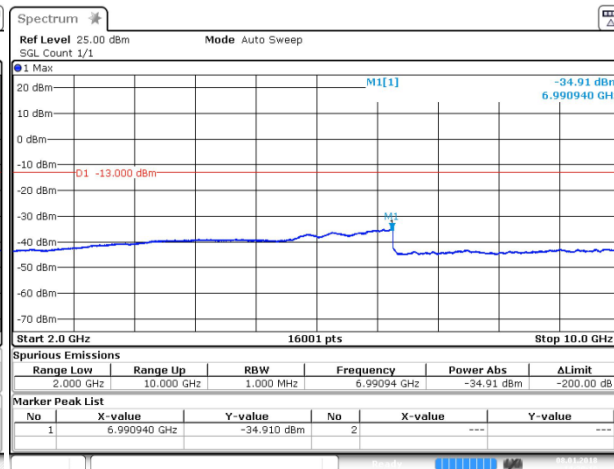


20MHz



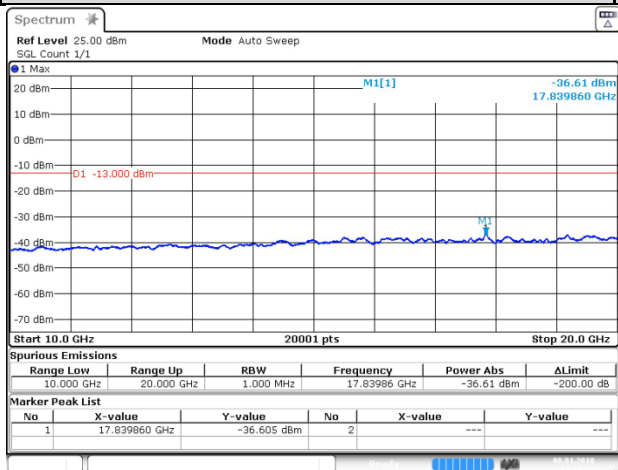


Date: 8 JAN 2018 14:19:26



Date: 8 JAN 2018 14:20:19

10GHz ~ 20GHz

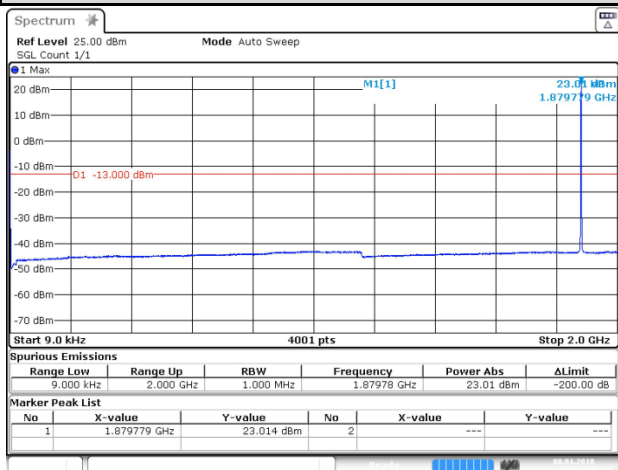


Date: 8 JAN 2018 14:21:16

QPSK - Mid Freq (1880 MHz)

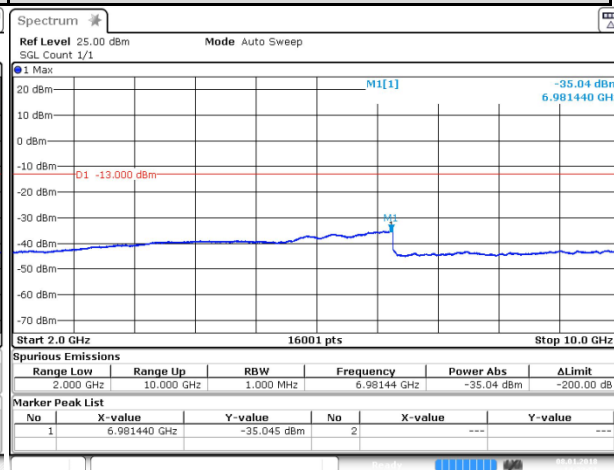
RB Size =1, RB Offset = 49

9kHz ~ 2GHz



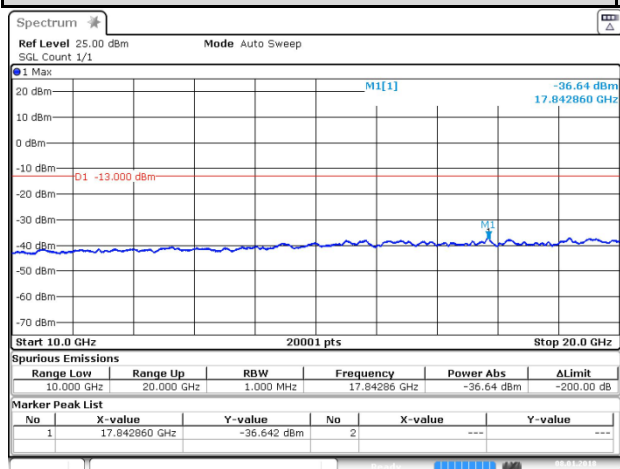
Date: 8 JAN 2018 14:21:58

2GHz ~ 10GHz



Date: 8 JAN 2018 14:22:51

10GHz ~ 20GHz

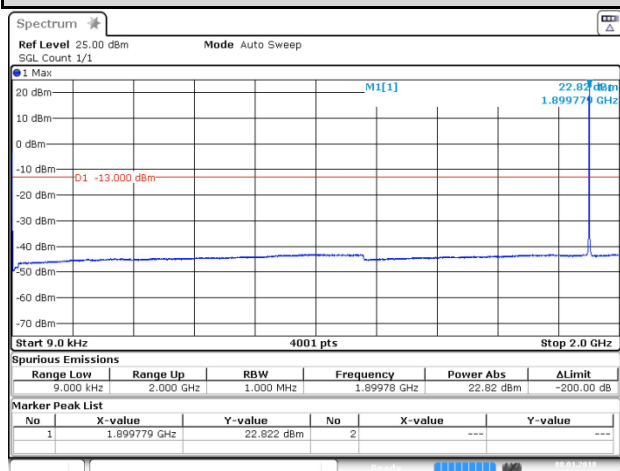


Date: 8 JAN 2018 14:23:49

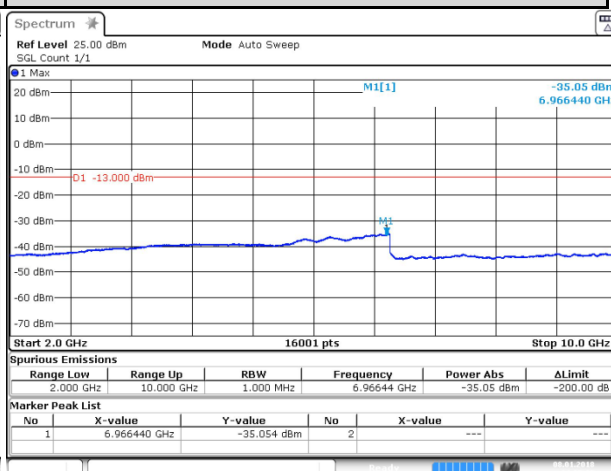
QPSK - High Freq (1900 MHz)

RB Size =1, RB Offset = 49

9kHz ~ 2GHz 2GHz ~ 10GHz

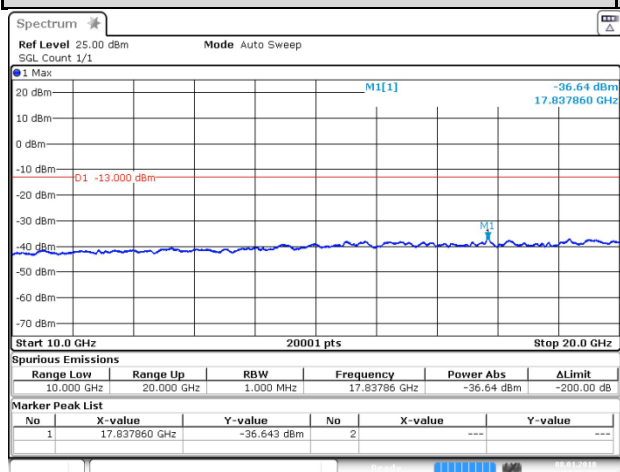


Date: 8 JAN 2018 14:24:32



Date: 8 JAN 2018 14:25:26

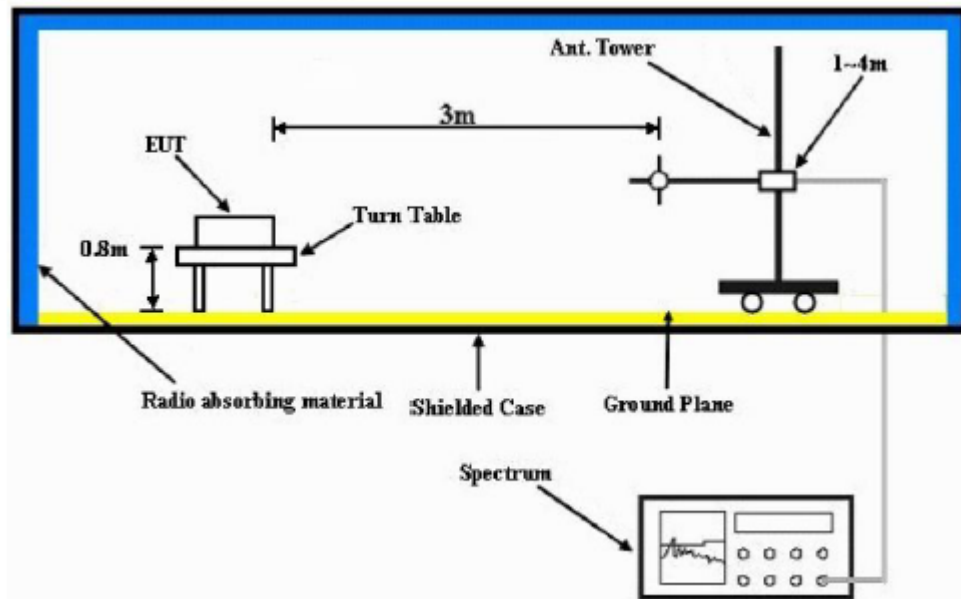
10GHz ~ 20GHz



Date: 8 JAN 2018 14:26:23

1.12. Radiated Spurious Emission

1.12.1. Test Setup



- 1) The spectrum setting for scanning Radiated Emission below 1 GHz is RBW = 100 kHz, VBW = 300 kHz and above 1 GHz is RBW = 1MHz, VBW = 3MHz. Detector mode is positive peak.
- 2) In the semi-anechoic chamber, setup as illustrated above the EUT placed on the Turn Table at 0.8m height for below 1Ghz measurement and at 1.5m height for above 1GHz measurement, 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 EUT 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.

1.12.2. Test Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

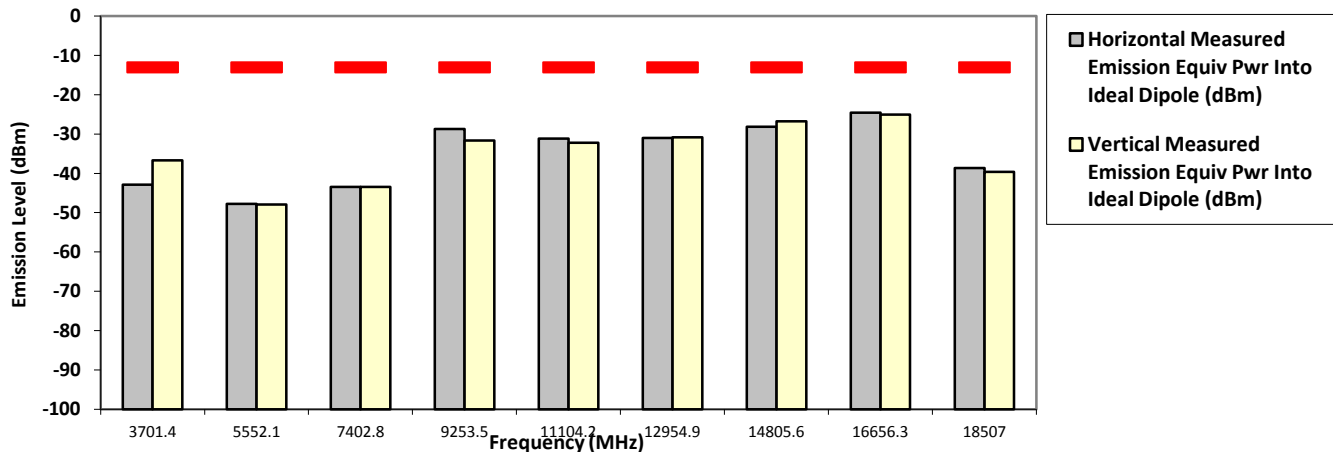
1.12.3. Radiated Spurious Emission – LTE Band 2 (1850-1910MHz)

DC configuration: Link Mode 12V

Model #: LEX L11n Link Mode Radiated Emission: S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1850.700000 MHz (Low) Bandwidth 1.4MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3701.4000	-13.0000	-42.8900 *	-36.6600 *
5552.1000	-13.0000	-47.7412 **	-47.9288 **
7402.8000	-13.0000	-43.4198 **	-43.4257 **
9253.5000	-13.0000	-28.7400	-31.6100
11104.2000	-13.0000	-31.1973 **	-32.1896 **
12954.9000	-13.0000	-31.0145 **	-30.8248 **
14805.6000	-13.0000	-28.1485 **	-26.7299 **
16656.3000	-13.0000	-24.5873 **	-25.0283 **
18507.0000	-13.0000	-38.6171 **	-39.6026 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

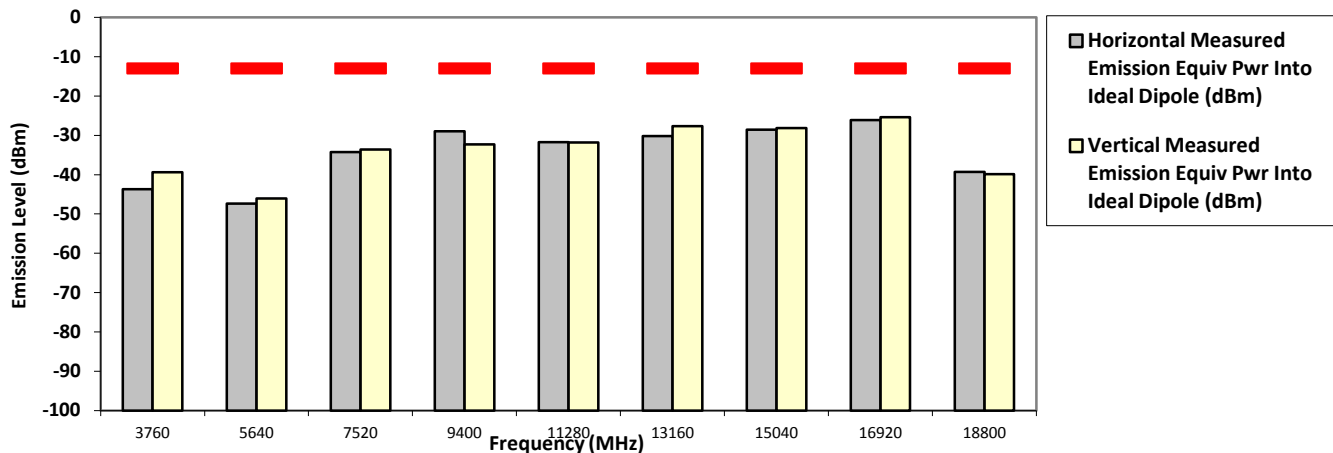
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 1.4MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-43.7000 *	-39.3700 *
5640.0000	-13.0000	-47.3532 **	-46.0908 **
7520.0000	-13.0000	-34.2400 *	-33.6100 *
9400.0000	-13.0000	-28.9600	-32.2900
11280.0000	-13.0000	-31.7646 **	-31.8129 **
13160.0000	-13.0000	-30.1940 **	-27.6884 **
15040.0000	-13.0000	-28.5249 **	-28.1775 **
16920.0000	-13.0000	-26.1395 **	-25.4111 **
18800.0000	-13.0000	-39.2660 **	-39.8362 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

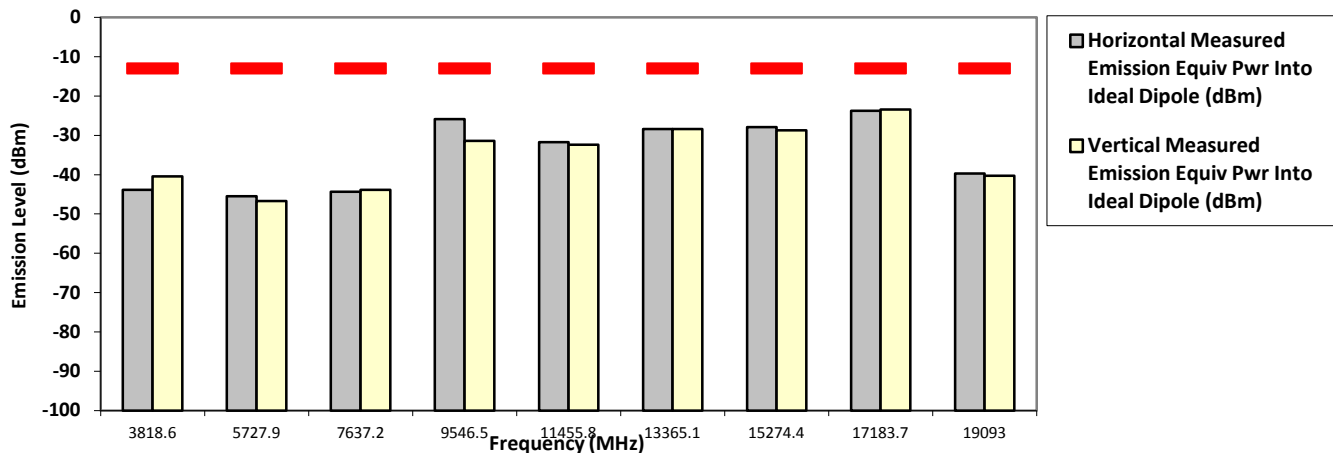
Remarks:

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

Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1909.300000 MHz (High) Bandwidth 1.4MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3818.6000	-13.0000	-43.8500 *	-40.4300 *
5727.9000	-13.0000	-45.4510 **	-46.7019 **
7637.2000	-13.0000	-44.3295 **	-43.8733 **
9546.5000	-13.0000	-25.8500	-31.4200
11455.8000	-13.0000	-31.7430 **	-32.3830 **
13365.1000	-13.0000	-28.3800 **	-28.4331 **
15274.4000	-13.0000	-27.8884 **	-28.7494 **
17183.7000	-13.0000	-23.7523 **	-23.4628 **
19093.0000	-13.0000	-39.7093 **	-40.2913 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

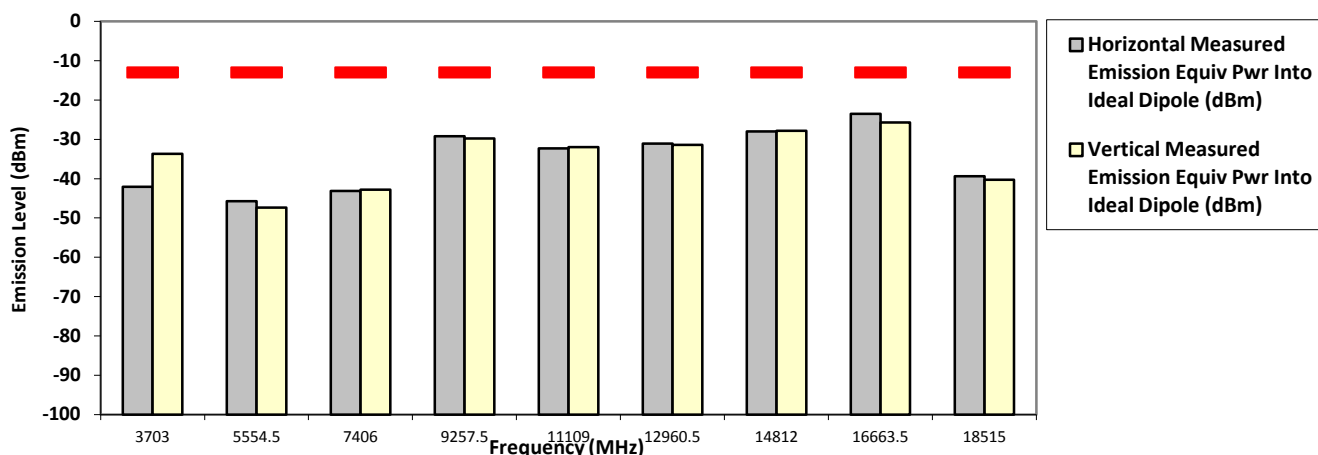
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1851.500000 MHz (Low) Bandwidth 3MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3703.0000	-13.0000	-42.0600 *	-33.6800 *
5554.5000	-13.0000	-45.7274 **	-47.3962 **
7406.0000	-13.0000	-43.1181 **	-42.7802 **
9257.5000	-13.0000	-29.2200	-29.7900
11109.0000	-13.0000	-32.3204 **	-31.9692 **
12960.5000	-13.0000	-31.0533 **	-31.3847 **
14812.0000	-13.0000	-27.9726 **	-27.8572 **
16663.5000	-13.0000	-23.4890 **	-25.6903 **
18515.0000	-13.0000	-39.3929 **	-40.2691 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

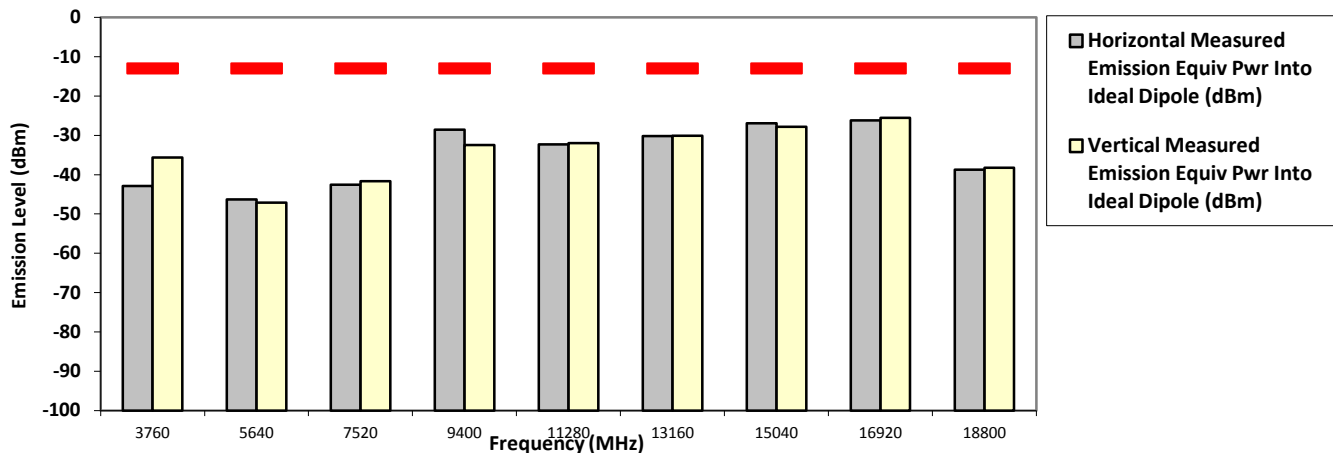
Remarks:

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

Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 3MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-42.8700 *	-35.6000 *
5640.0000	-13.0000	-46.3149 **	-47.0988 **
7520.0000	-13.0000	-42.5224 **	-41.6292 **
9400.0000	-13.0000	-28.5900	-32.4500
11280.0000	-13.0000	-32.2861 **	-31.9636 **
13160.0000	-13.0000	-30.1642 **	-30.0672 **
15040.0000	-13.0000	-26.9634 **	-27.8042 **
16920.0000	-13.0000	-26.2176 **	-25.5675 **
18800.0000	-13.0000	-38.7310 **	-38.2254 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

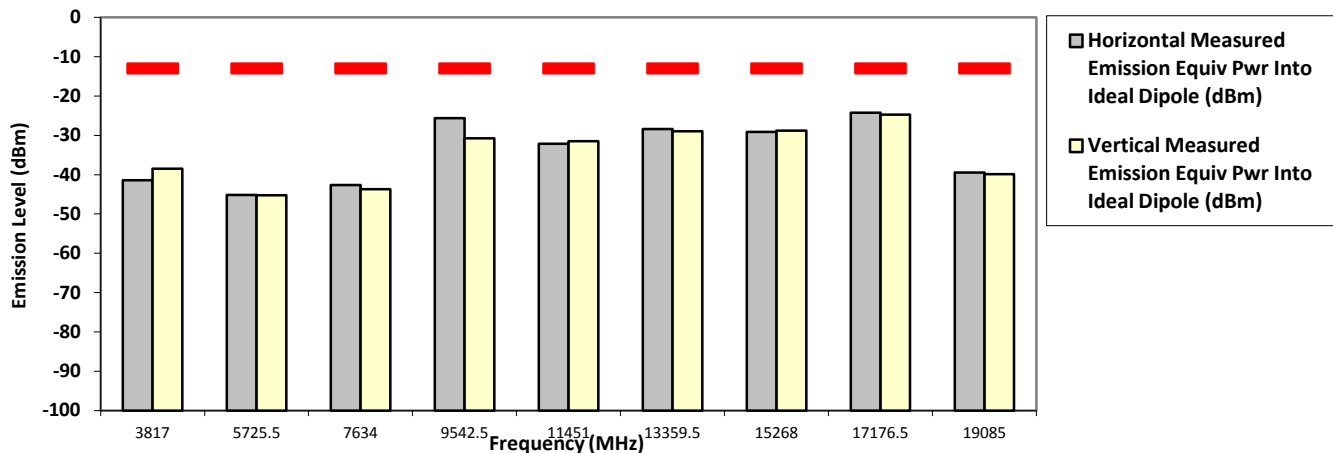
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1908.500000 MHz (High) Bandwidth 3MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3817.0000	-13.0000	-41.4200 *	-38.4800 *
5725.5000	-13.0000	-45.1854 **	-45.2236 **
7634.0000	-13.0000	-42.6475 **	-43.7117 **
9542.5000	-13.0000	-25.6200	-30.7600
11451.0000	-13.0000	-32.1586 **	-31.5178 **
13359.5000	-13.0000	-28.3827 **	-28.9360 **
15268.0000	-13.0000	-29.1615 **	-28.8132 **
17176.5000	-13.0000	-24.2387 **	-24.7448 **
19085.0000	-13.0000	-39.4561 **	-39.8546 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

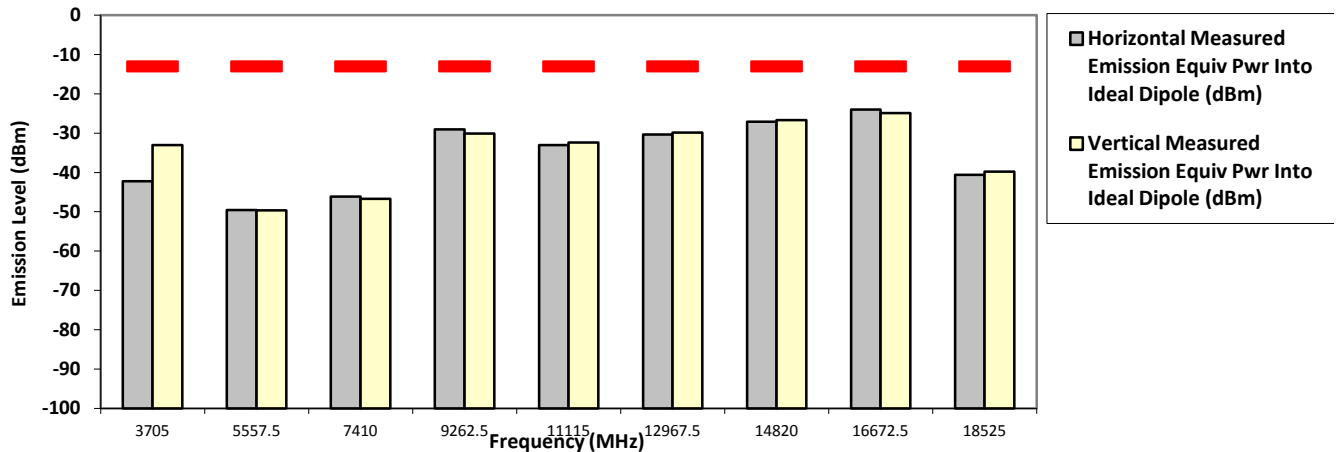
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1852.500000 MHz (Low) Bandwidth 5MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3705.0000	-13.0000	-42.2000 *	-33.0100 *
5557.5000	-13.0000	-49.5397 **	-49.6746 **
7410.0000	-13.0000	-46.1318 **	-46.7347 **
9262.5000	-13.0000	-29.0800	-30.1400
11115.0000	-13.0000	-33.0716 **	-32.3927 **
12967.5000	-13.0000	-30.3246 **	-29.8231 **
14820.0000	-13.0000	-27.1254 **	-26.6731 **
16672.5000	-13.0000	-24.0153 **	-24.9168 **
18525.0000	-13.0000	-40.6024 **	-39.7699 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

Remarks:

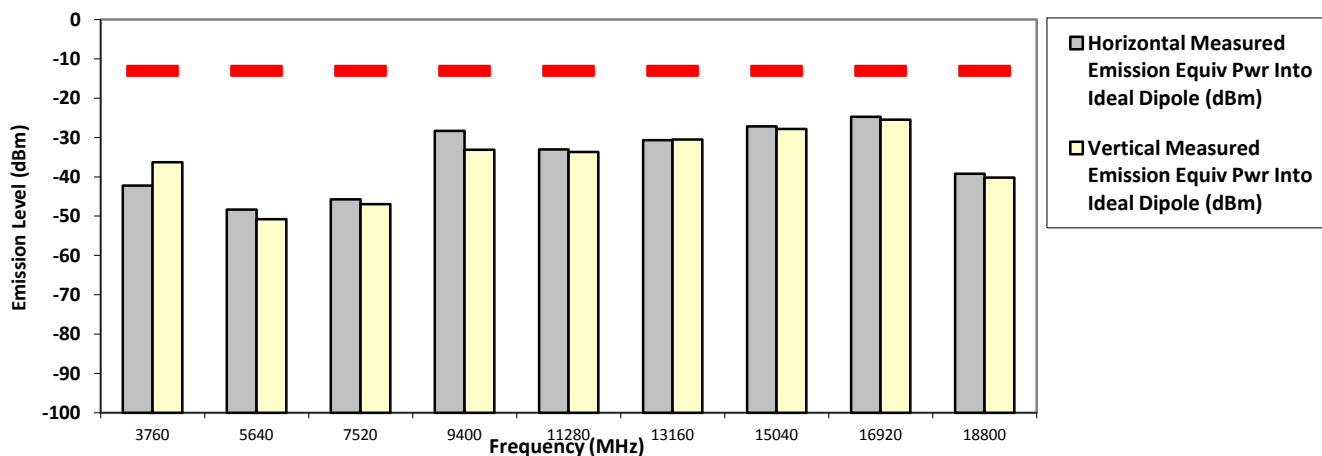
Passed Results	Marginal Results	Failed Results
----------------	------------------	----------------

Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5

Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 5MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-42.2100 *	-36.3200 *
5640.0000	-13.0000	-48.3668 **	-50.7912 **
7520.0000	-13.0000	-45.7651 **	-46.9677 **
9400.0000	-13.0000	-28.2900	-33.0900 *
11280.0000	-13.0000	-33.0273 **	-33.6758 **
13160.0000	-13.0000	-30.6825 **	-30.4938 **
15040.0000	-13.0000	-27.1550 **	-27.8550 **
16920.0000	-13.0000	-24.7402 **	-25.4296 **
18800.0000	-13.0000	-39.2021 **	-40.2131 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

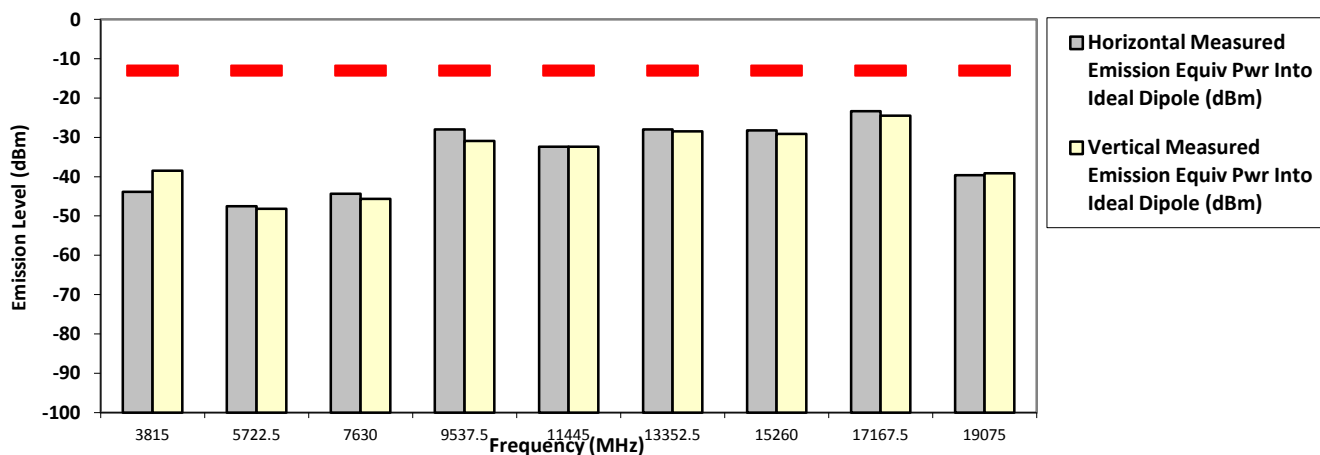
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1907.500000 MHz (High) Bandwidth 5MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3815.0000	-13.0000	-43.8500 *	-38.5100 *
5722.5000	-13.0000	-47.5342 **	-48.1604 **
7630.0000	-13.0000	-44.3635 **	-45.6636 **
9537.5000	-13.0000	-27.9800	-30.9500
11445.0000	-13.0000	-32.3558 **	-32.3809 **
13352.5000	-13.0000	-27.9591 **	-28.4872 **
15260.0000	-13.0000	-28.2203 **	-29.1005 **
17167.5000	-13.0000	-23.3056 **	-24.5037 **
19075.0000	-13.0000	-39.6264 **	-39.1387 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

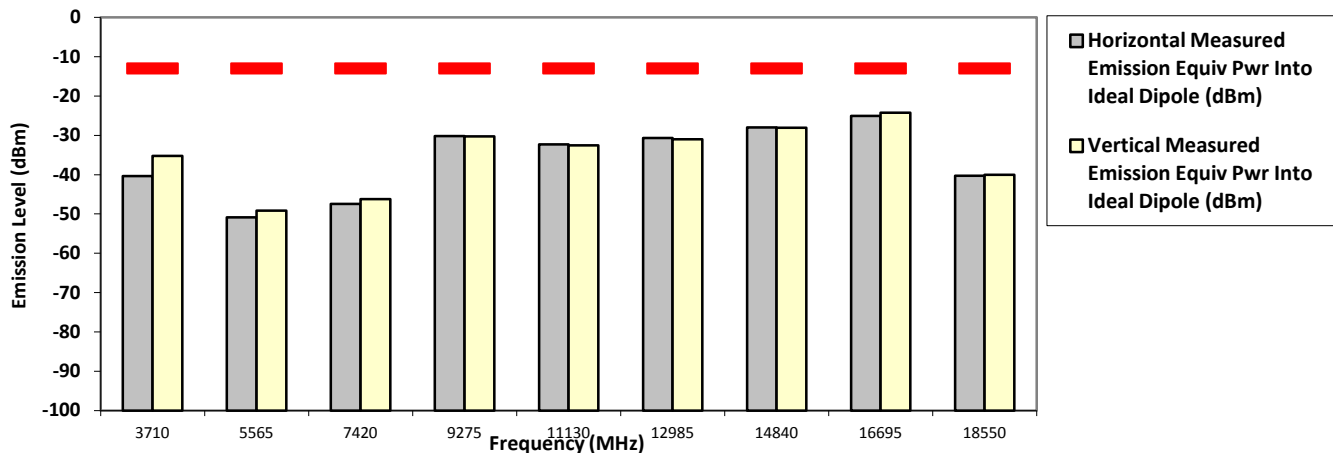
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1855.000000 MHz (Low) Bandwidth 10MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3710.0000	-13.0000	-40.3700 *	-35.2600 *
5565.0000	-13.0000	-50.8551 **	-49.1655 **
7420.0000	-13.0000	-47.4402 **	-46.2067 **
9275.0000	-13.0000	-30.2000	-30.2600
11130.0000	-13.0000	-32.2599 **	-32.5480 **
12985.0000	-13.0000	-30.6679 **	-31.0004 **
14840.0000	-13.0000	-27.9544 **	-28.0355 **
16695.0000	-13.0000	-25.0242 **	-24.2769 **
18550.0000	-13.0000	-40.2403 **	-40.0308 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

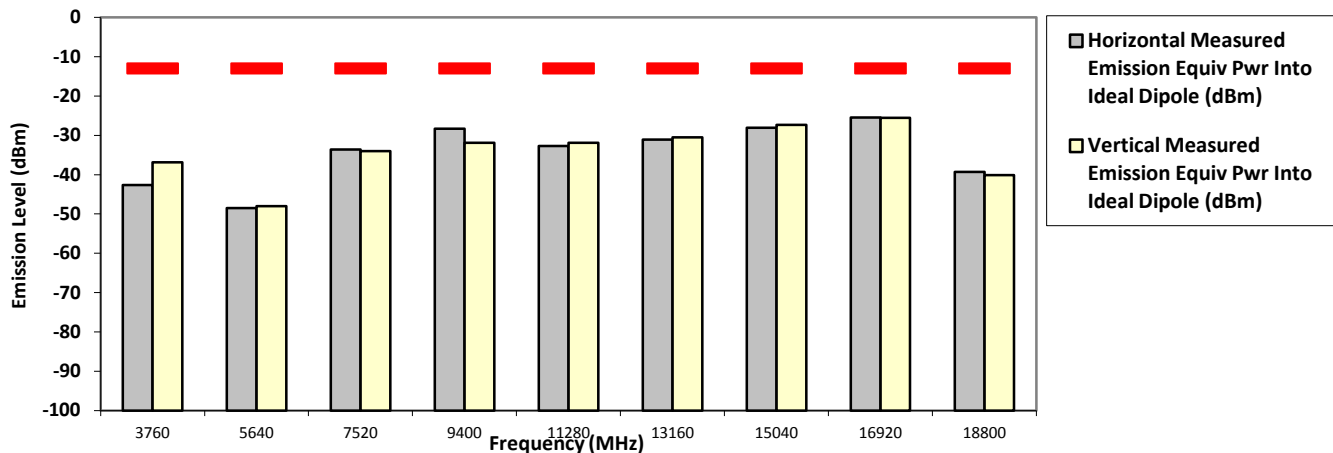
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 10MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-42.6200 *	-36.8300 *
5640.0000	-13.0000	-48.5077 **	-48.0434 **
7520.0000	-13.0000	-33.5700 *	-34.0000 *
9400.0000	-13.0000	-28.2800	-31.9300
11280.0000	-13.0000	-32.7330 **	-31.9200 **
13160.0000	-13.0000	-31.0785 **	-30.5340 **
15040.0000	-13.0000	-28.0322 **	-27.3090 **
16920.0000	-13.0000	-25.4228 **	-25.5367 **
18800.0000	-13.0000	-39.3386 **	-40.1164 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

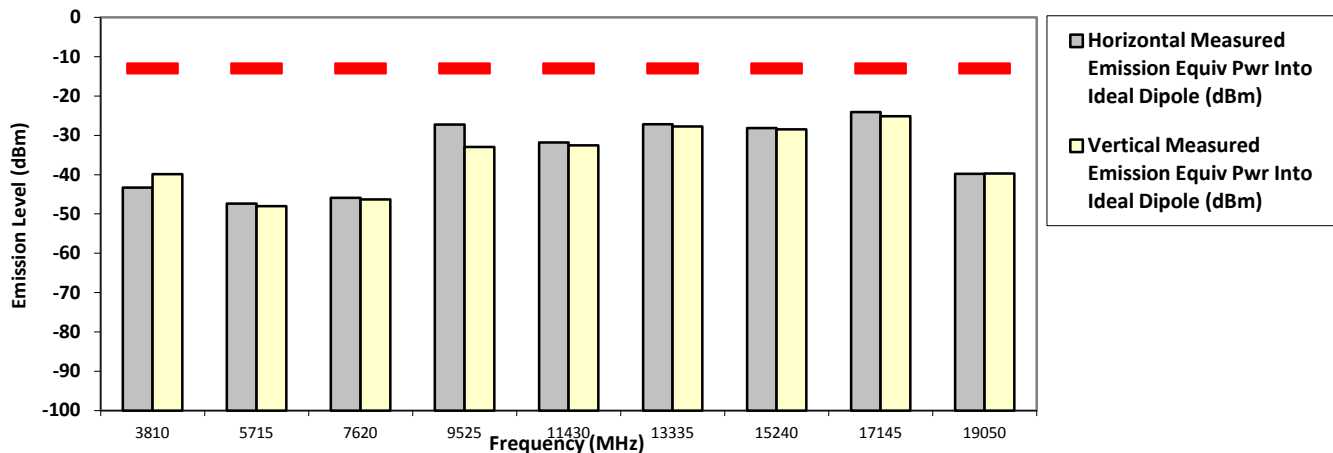
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1905.000000 MHz (High) Bandwidth 10MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3810.0000	-13.0000	-43.2800 *	-39.8400 *
5715.0000	-13.0000	-47.3957 **	-47.9781 **
7620.0000	-13.0000	-45.8769 **	-46.3155 **
9525.0000	-13.0000	-27.2800	-32.9200
11430.0000	-13.0000	-31.8517 **	-32.5751 **
13335.0000	-13.0000	-27.1624 **	-27.7376 **
15240.0000	-13.0000	-28.1207 **	-28.4900 **
17145.0000	-13.0000	-24.0834 **	-25.1759 **
19050.0000	-13.0000	-39.7767 **	-39.7117 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

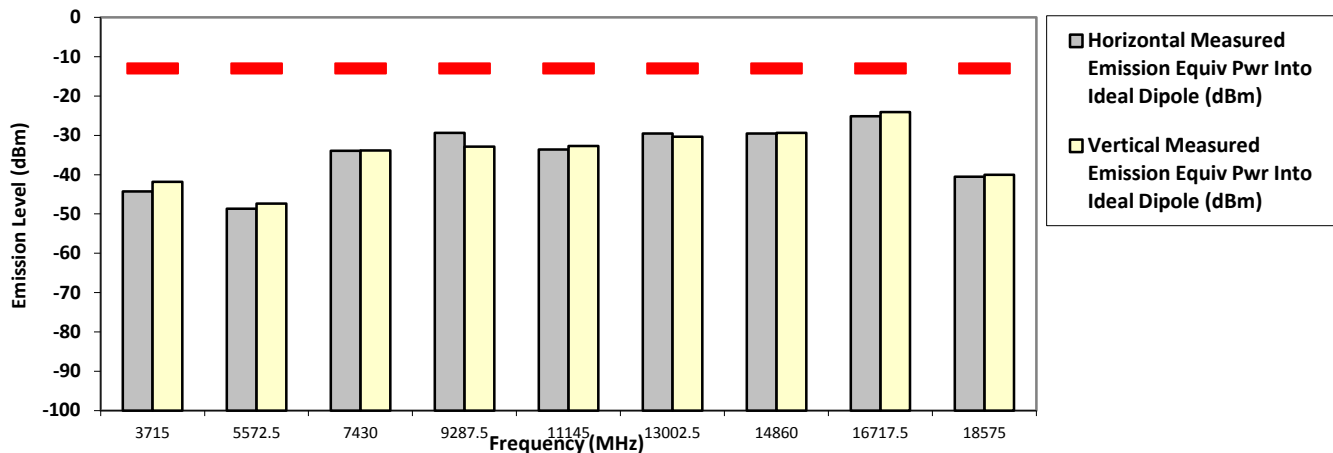
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1857.500000 MHz (Low) Bandwidth 15MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3715.0000	-13.0000	-44.3000 *	-41.8500 *
5572.5000	-13.0000	-48.6953 **	-47.3949 **
7430.0000	-13.0000	-33.9600 *	-33.8700 *
9287.5000	-13.0000	-29.3500	-32.8600
11145.0000	-13.0000	-33.5912 **	-32.6818 **
13002.5000	-13.0000	-29.5053 **	-30.3417 **
14860.0000	-13.0000	-29.5186 **	-29.3304 **
16717.5000	-13.0000	-25.1082 **	-24.0619 **
18575.0000	-13.0000	-40.5155 **	-40.0147 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sun, Dec 10, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

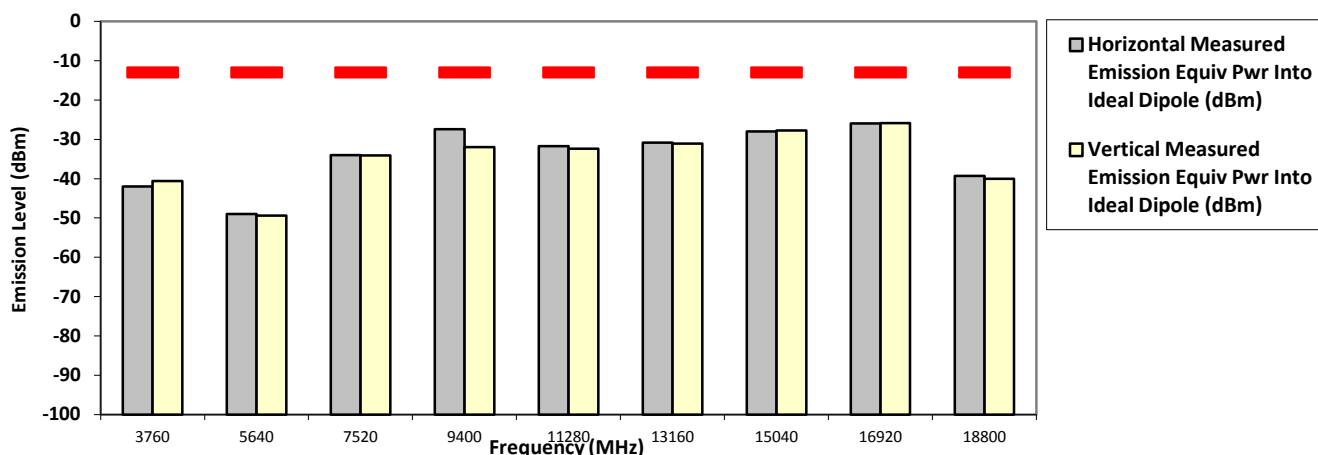
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 15MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-41.9900 *	-40.6200 *
5640.0000	-13.0000	-49.0110 **	-49.3931 **
7520.0000	-13.0000	-34.0500 *	-34.0900 *
9400.0000	-13.0000	-27.3800	-31.9500
11280.0000	-13.0000	-31.7431 **	-32.3627 **
13160.0000	-13.0000	-30.8079 **	-31.0432 **
15040.0000	-13.0000	-27.9985 **	-27.7652 **
16920.0000	-13.0000	-25.9356 **	-25.8372 **
18800.0000	-13.0000	-39.3303 **	-40.0358 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

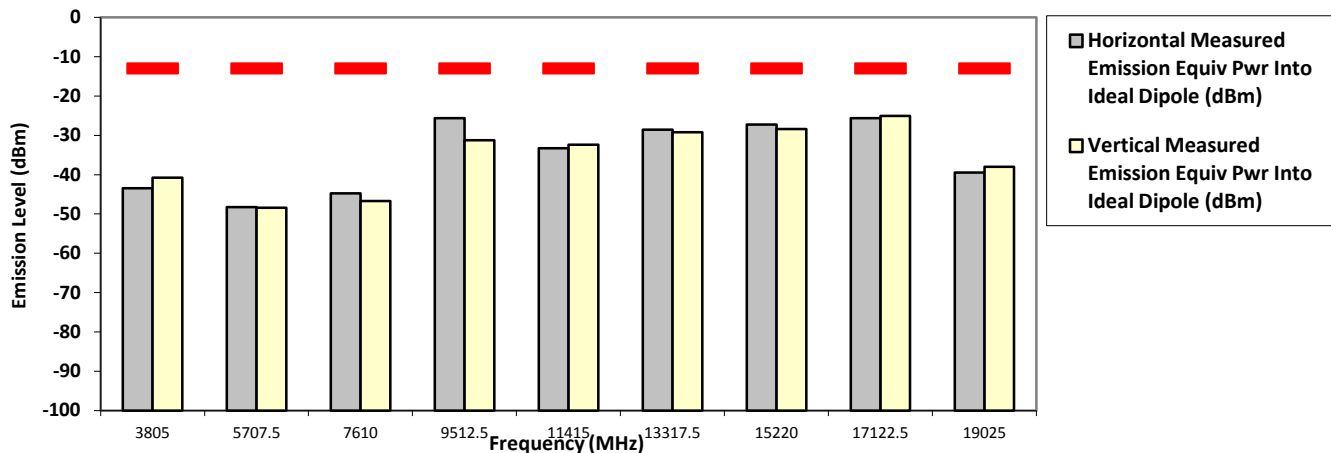
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1902.500000 MHz (High) Bandwidth 15MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3805.0000	-13.0000	-43.4400 *	-40.7500 *
5707.5000	-13.0000	-48.2919 **	-48.4088 **
7610.0000	-13.0000	-44.7390 **	-46.7419 **
9512.5000	-13.0000	-25.6200	-31.2300
11415.0000	-13.0000	-33.2806 **	-32.4200 **
13317.5000	-13.0000	-28.5473 **	-29.2103 **
15220.0000	-13.0000	-27.2153 **	-28.4038 **
17122.5000	-13.0000	-25.6316 **	-25.0396 **
19025.0000	-13.0000	-39.4834 **	-38.0356 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sun, Dec 10, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

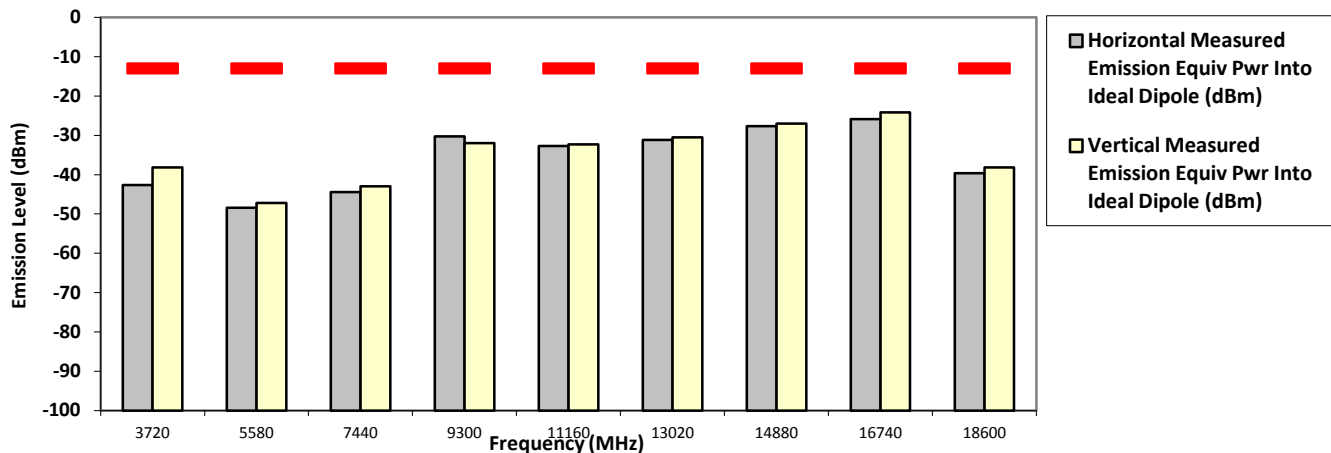
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1860.000000 MHz (Low) Bandwidth 20MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3720.0000	-13.0000	-42.6400 *	-38.1500 *
5580.0000	-13.0000	-48.3976 **	-47.1591 **
7440.0000	-13.0000	-44.4606 **	-42.9261 **
9300.0000	-13.0000	-30.2300	-32.0000
11160.0000	-13.0000	-32.7000 **	-32.3259 **
13020.0000	-13.0000	-31.1260 **	-30.4689 **
14880.0000	-13.0000	-27.6806 **	-27.0457 **
16740.0000	-13.0000	-25.8388 **	-24.1776 **
18600.0000	-13.0000	-39.5948 **	-38.1338 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

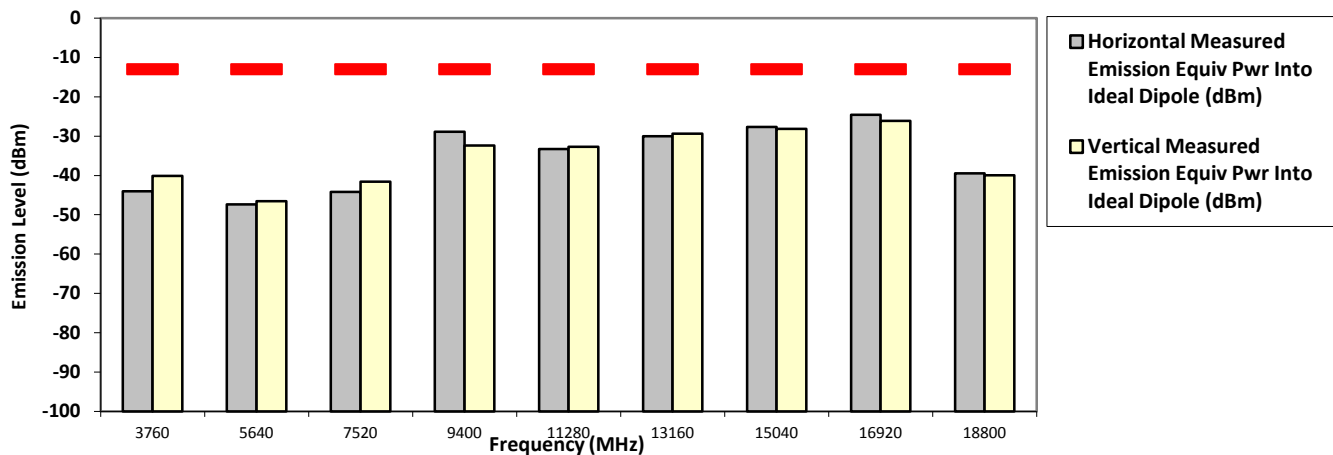
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 20MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-44.0600 *	-40.0900 *
5640.0000	-13.0000	-47.3908 **	-46.5868 **
7520.0000	-13.0000	-44.2086 **	-41.5696 **
9400.0000	-13.0000	-28.9000	-32.3900
11280.0000	-13.0000	-33.3118 **	-32.6935 **
13160.0000	-13.0000	-30.0125 **	-29.3480 **
15040.0000	-13.0000	-27.6629 **	-28.1723 **
16920.0000	-13.0000	-24.5337 **	-26.1302 **
18800.0000	-13.0000	-39.4472 **	-39.9716 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

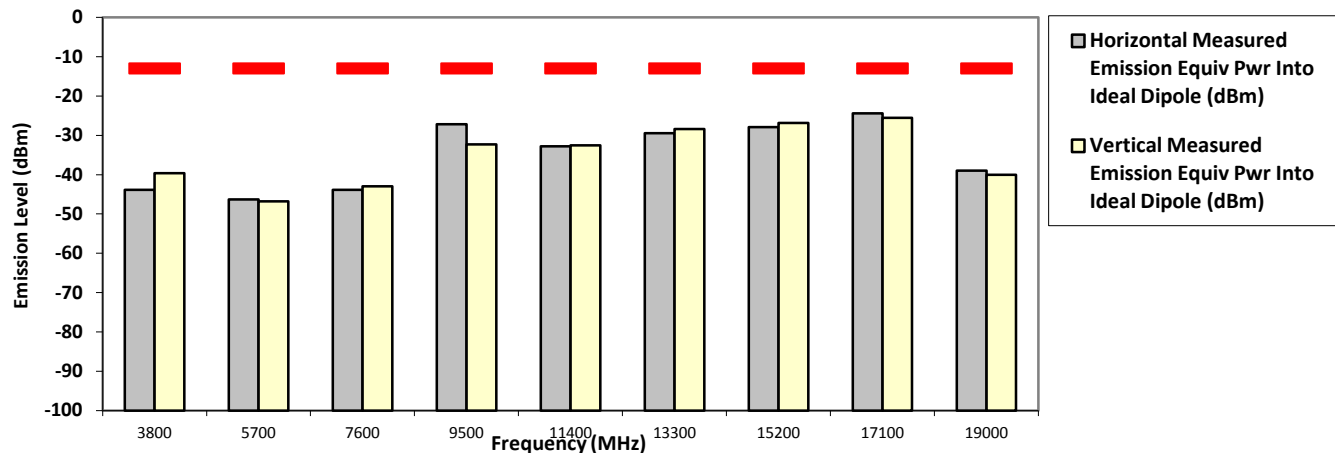
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1900.000000 MHz (High) Bandwidth 20MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3800.0000	-13.0000	-43.8200 *	-39.6400 *
5700.0000	-13.0000	-46.2841 **	-46.8301 **
7600.0000	-13.0000	-43.8893 **	-42.9855 **
9500.0000	-13.0000	-27.1600	-32.3100
11400.0000	-13.0000	-32.7957 **	-32.5577 **
13300.0000	-13.0000	-29.4704 **	-28.3731 **
15200.0000	-13.0000	-27.8930 **	-26.8633 **
17100.0000	-13.0000	-24.4129 **	-25.5693 **
19000.0000	-13.0000	-38.9456 **	-40.0191 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

Remarks:

Passed Results

Marginal Results

Failed Results

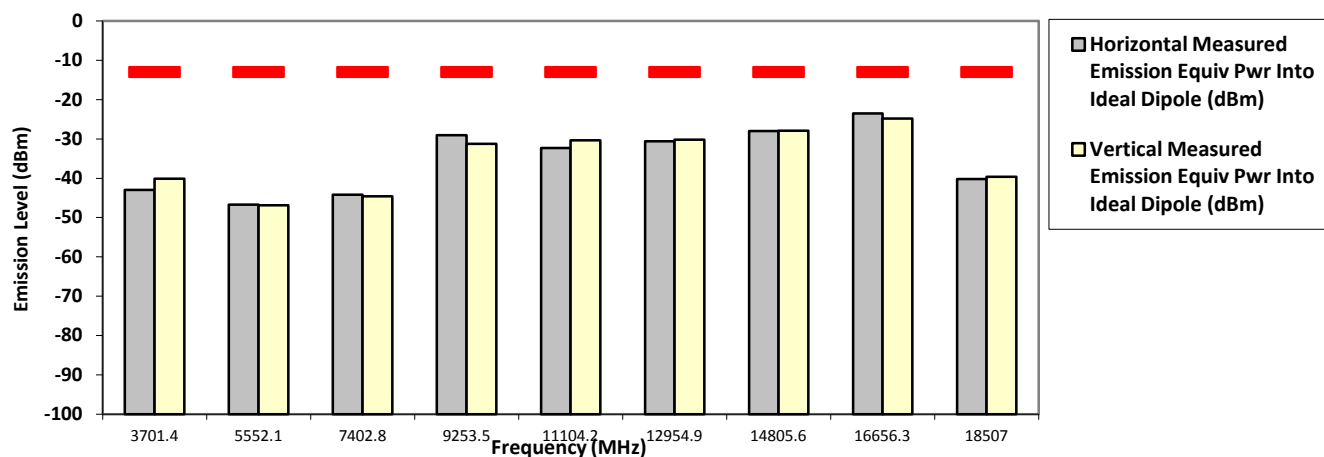
DC configuration: Link Mode 24V

Model #: LEX L11n Link Mode Radiated Emission: S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)

1850.700000 MHz (Low) Bandwidth 1.4MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3701.4000	-13.0000	-43.0000 *	-40.0800 *
5552.1000	-13.0000	-46.7307 **	-46.9124 **
7402.8000	-13.0000	-44.1613 **	-44.5954 **
9253.5000	-13.0000	-29.0700	-31.2200
11104.2000	-13.0000	-32.2904 **	-30.3415 **
12954.9000	-13.0000	-30.6148 **	-30.2184 **
14805.6000	-13.0000	-27.9726 **	-27.8864 **
16656.3000	-13.0000	-23.5069 **	-24.8195 **
18507.0000	-13.0000	-40.1850 **	-39.6031 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

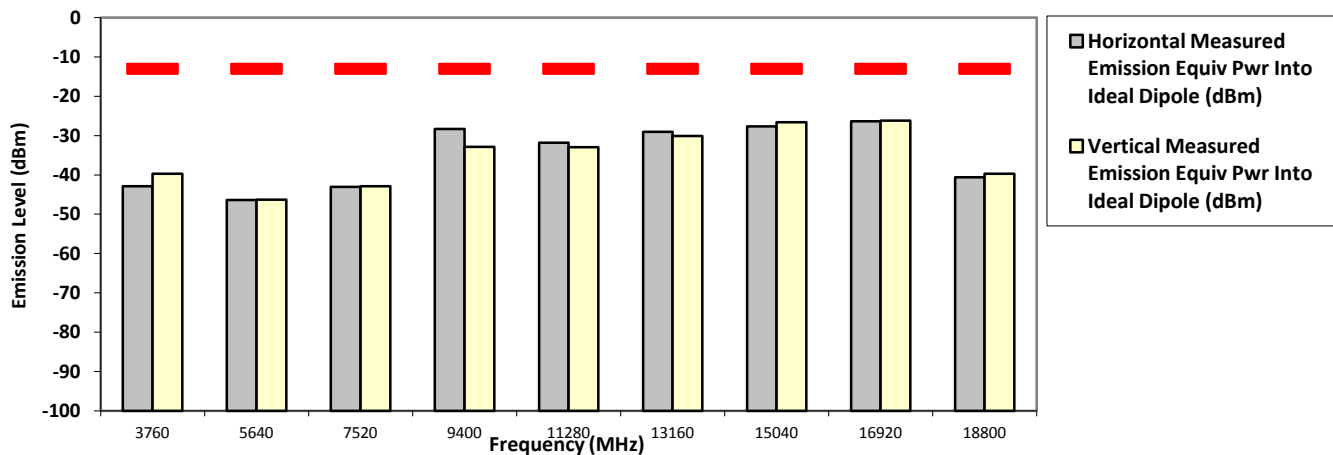
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 1.4MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-42.9100 *	-39.6700 *
5640.0000	-13.0000	-46.3762 **	-46.2795 **
7520.0000	-13.0000	-43.0208 **	-42.8714 **
9400.0000	-13.0000	-28.3100	-32.8300
11280.0000	-13.0000	-31.8296 **	-32.9564 **
13160.0000	-13.0000	-29.0287 **	-30.0650 **
15040.0000	-13.0000	-27.6747 **	-26.6187 **
16920.0000	-13.0000	-26.3675 **	-26.2058 **
18800.0000	-13.0000	-40.6304 **	-39.6743 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

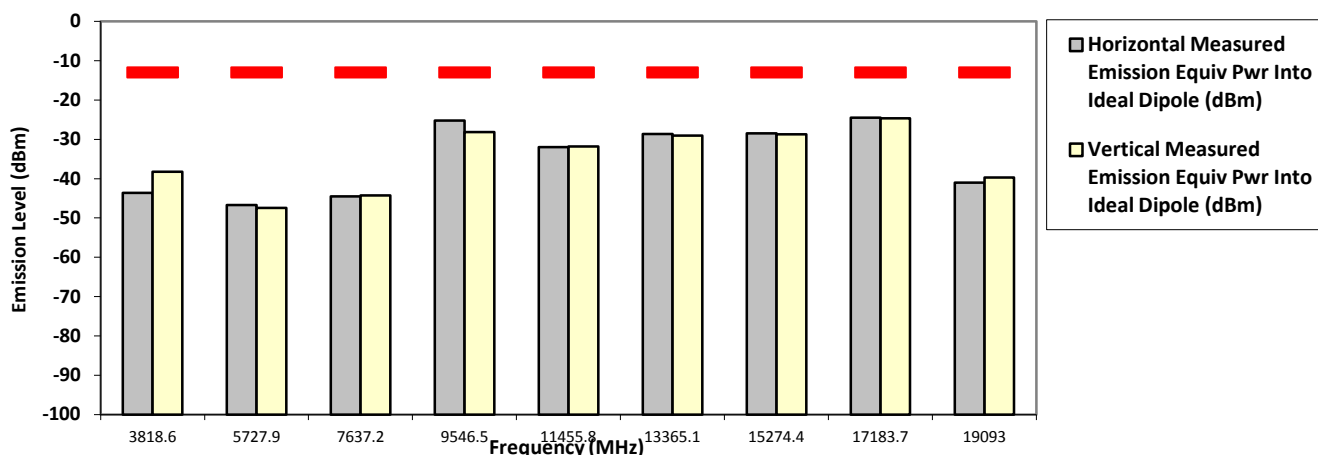
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1909.300000 MHz (High) Bandwidth 1.4MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3818.6000	-13.0000	-43.6400 *	-38.2400 *
5727.9000	-13.0000	-46.6926 **	-47.4700 **
7637.2000	-13.0000	-44.4962 **	-44.2547 **
9546.5000	-13.0000	-25.2000	-28.1700
11455.8000	-13.0000	-31.9653 **	-31.7822 **
13365.1000	-13.0000	-28.6740 **	-29.0441 **
15274.4000	-13.0000	-28.4475 **	-28.6888 **
17183.7000	-13.0000	-24.5046 **	-24.6082 **
19093.0000	-13.0000	-41.0129 **	-39.7137 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

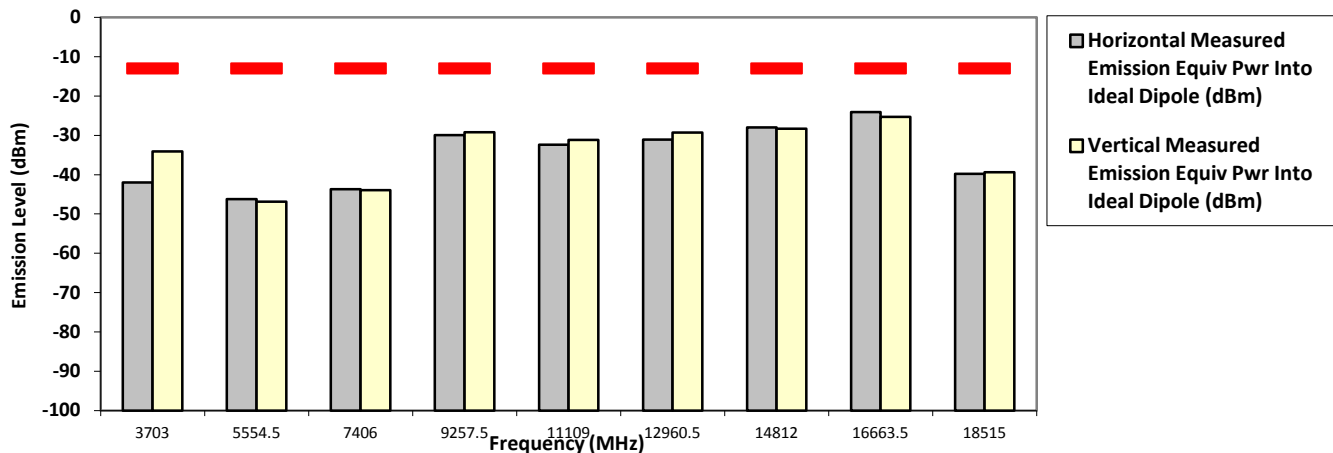
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1851.500000 MHz (Low) Bandwidth 3MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3703.0000	-13.0000	-41.9800 *	-34.0700 *
5554.5000	-13.0000	-46.1822 **	-46.8736 **
7406.0000	-13.0000	-43.6902 **	-43.9136 **
9257.5000	-13.0000	-29.9300	-29.2200
11109.0000	-13.0000	-32.3695 **	-31.1725 **
12960.5000	-13.0000	-31.0862 **	-29.3097 **
14812.0000	-13.0000	-27.9836 **	-28.2982 **
16663.5000	-13.0000	-24.0975 **	-25.2633 **
18515.0000	-13.0000	-39.8253 **	-39.3945 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

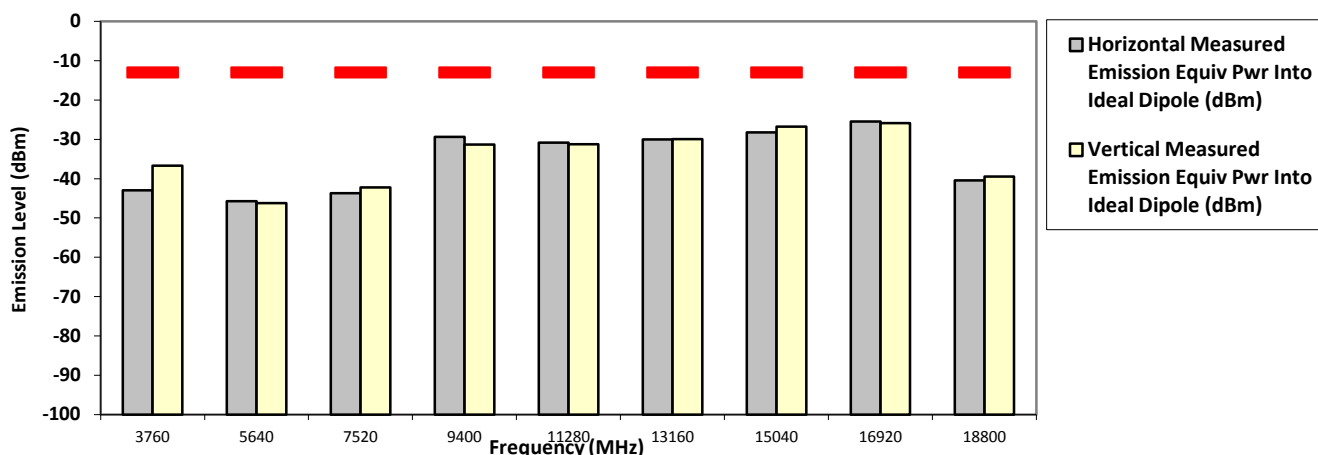
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 3MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-42.9500 *	-36.7200 *
5640.0000	-13.0000	-45.7715 **	-46.2413 **
7520.0000	-13.0000	-43.7173 **	-42.1919 **
9400.0000	-13.0000	-29.3800	-31.2900
11280.0000	-13.0000	-30.7988 **	-31.2667 **
13160.0000	-13.0000	-30.0567 **	-29.9337 **
15040.0000	-13.0000	-28.2203 **	-26.7834 **
16920.0000	-13.0000	-25.4754 **	-25.8365 **
18800.0000	-13.0000	-40.4520 **	-39.4235 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

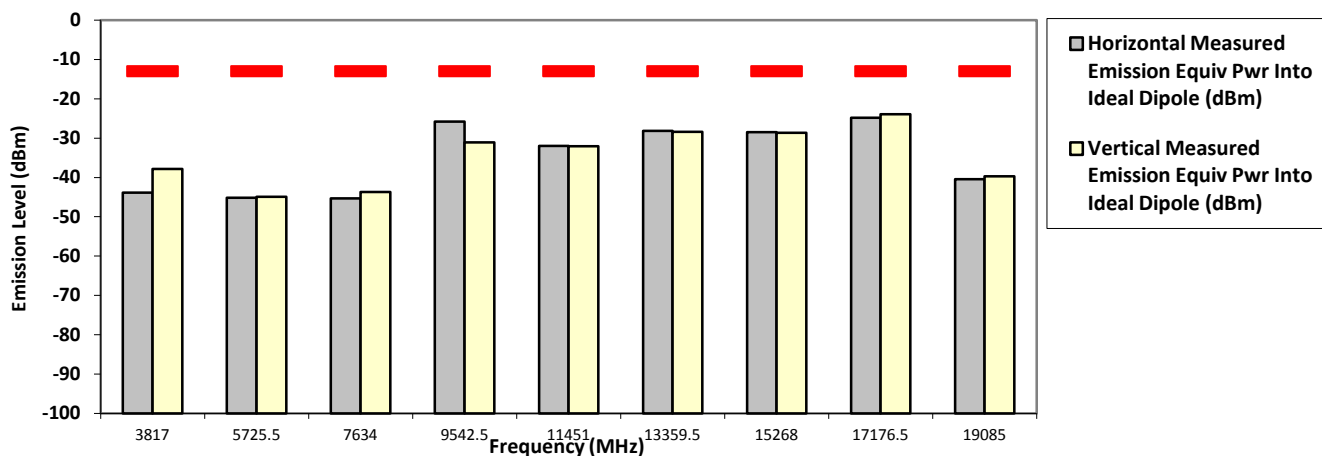
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1908.500000 MHz (High) Bandwidth 3MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3817.0000	-13.0000	-43.8300 *	-37.8500 *
5725.5000	-13.0000	-45.1757 **	-44.9128 **
7634.0000	-13.0000	-45.3609 **	-43.6793 **
9542.5000	-13.0000	-25.8000	-31.0900
11451.0000	-13.0000	-32.0112 **	-32.0196 **
13359.5000	-13.0000	-28.1087 **	-28.3619 **
15268.0000	-13.0000	-28.4969 **	-28.6211 **
17176.5000	-13.0000	-24.8292 **	-23.9410 **
19085.0000	-13.0000	-40.4221 **	-39.6976 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

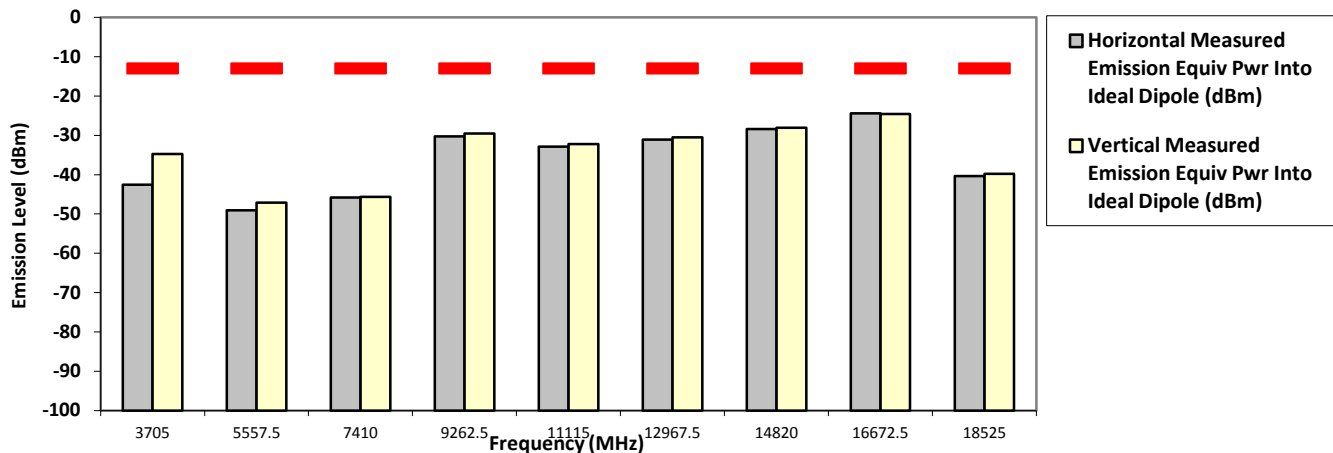
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1852.500000 MHz (Low) Bandwidth 5MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3705.0000	-13.0000	-42.5500 *	-34.7300 *
5557.5000	-13.0000	-49.1007 **	-47.0976 **
7410.0000	-13.0000	-45.8289 **	-45.6420 **
9262.5000	-13.0000	-30.2500	-29.5100
11115.0000	-13.0000	-32.8524 **	-32.2000 **
12967.5000	-13.0000	-31.0755 **	-30.5146 **
14820.0000	-13.0000	-28.4237 **	-28.0325 **
16672.5000	-13.0000	-24.4393 **	-24.5302 **
18525.0000	-13.0000	-40.3584 **	-39.7964 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

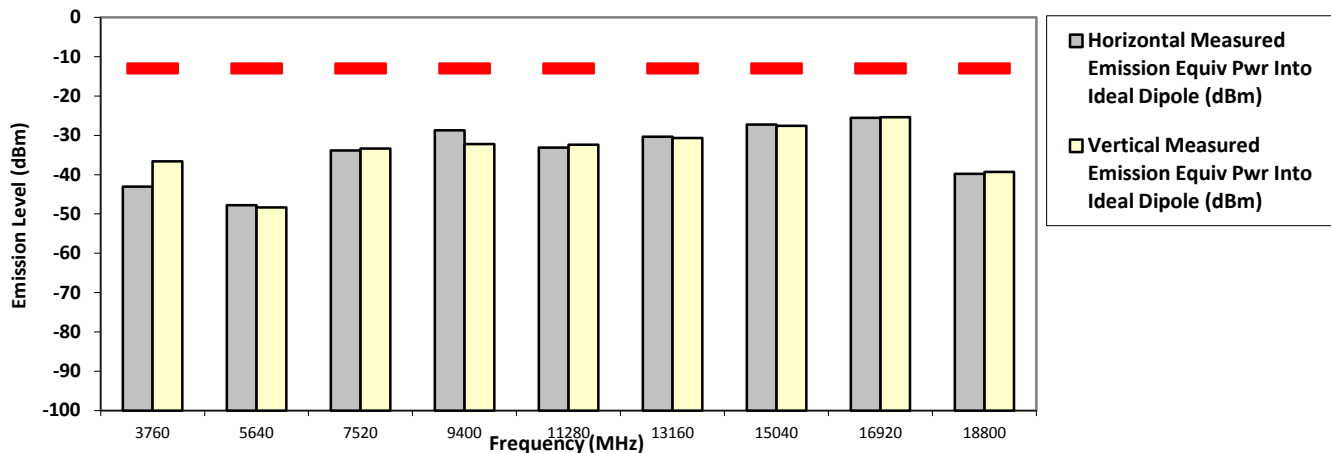
System MU: 5.01 dB

Remarks: Passed Results Marginal Results Failed Results

Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 5MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-43.0600 *	-36.5800 *
5640.0000	-13.0000	-47.7616 **	-48.3144 **
7520.0000	-13.0000	-33.8700 *	-33.3900 *
9400.0000	-13.0000	-28.7500	-32.1900
11280.0000	-13.0000	-33.0923 **	-32.3923 **
13160.0000	-13.0000	-30.3832 **	-30.6422 **
15040.0000	-13.0000	-27.2397 **	-27.6059 **
16920.0000	-13.0000	-25.5254 **	-25.4069 **
18800.0000	-13.0000	-39.7881 **	-39.3417 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

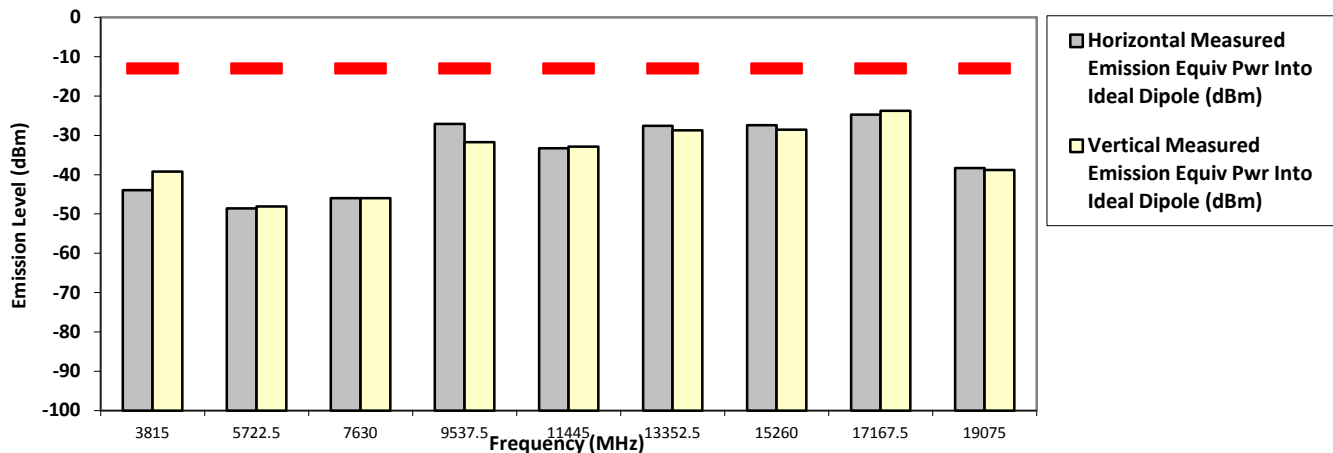
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1907.500000 MHz (High) Bandwidth 5MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3815.0000	-13.0000	-43.9300 *	-39.2500 *
5722.5000	-13.0000	-48.6203 **	-48.1265 **
7630.0000	-13.0000	-45.9719 **	-45.9581 **
9537.5000	-13.0000	-27.1300	-31.7400
11445.0000	-13.0000	-33.2562 **	-32.8598 **
13352.5000	-13.0000	-27.5803 **	-28.7280 **
15260.0000	-13.0000	-27.3782 **	-28.5236 **
17167.5000	-13.0000	-24.7466 **	-23.7165 **
19075.0000	-13.0000	-38.3082 **	-38.7950 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

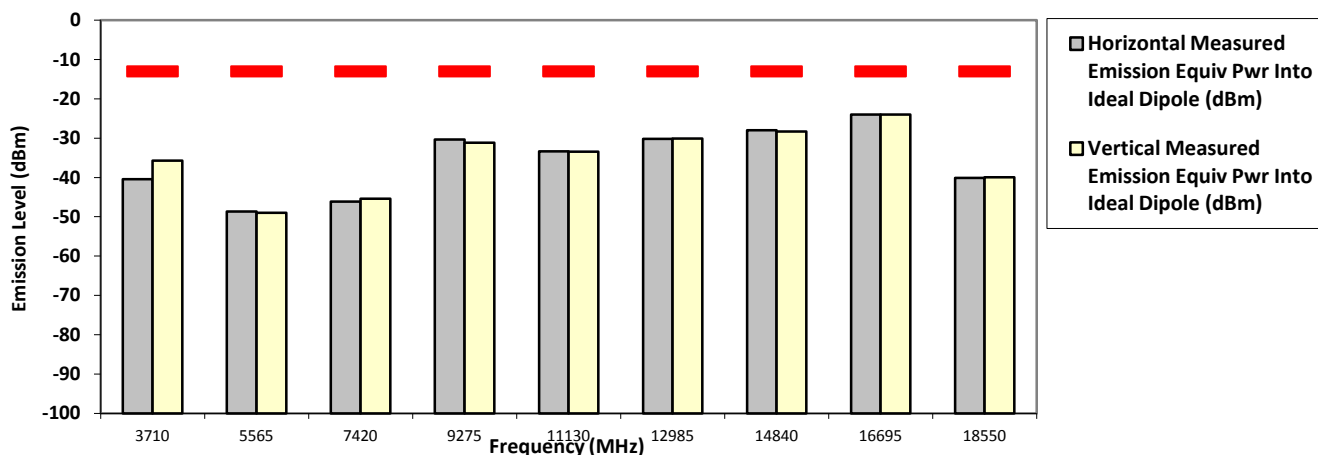
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 12)
 1855.000000 MHz (Low) Bandwidth 10MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3710.0000	-13.0000	-40.4200 *	-35.7200 *
5565.0000	-13.0000	-48.6977 **	-48.9841 **
7420.0000	-13.0000	-46.1187 **	-45.3769 **
9275.0000	-13.0000	-30.3200	-31.1800
11130.0000	-13.0000	-33.3287 **	-33.4526 **
12985.0000	-13.0000	-30.1882 **	-30.1250 **
14840.0000	-13.0000	-28.0253 **	-28.3320 **
16695.0000	-13.0000	-24.0044 **	-23.9737 **
18550.0000	-13.0000	-40.1342 **	-39.9168 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

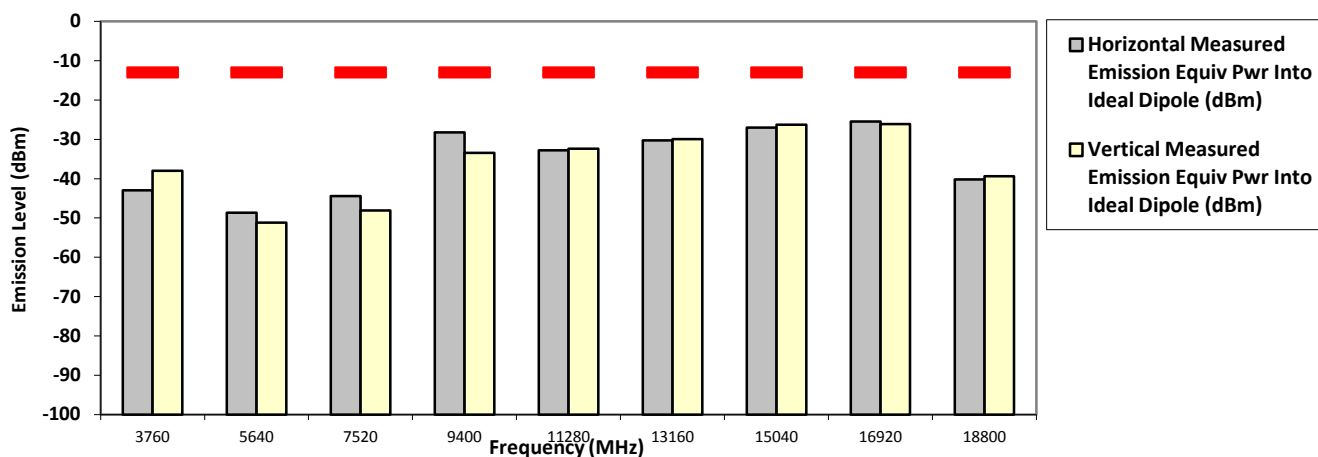
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 10MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-42.9600 *	-38.0100 *
5640.0000	-13.0000	-48.6840 **	-51.1892 **
7520.0000	-13.0000	-44.4291 **	-48.0936 **
9400.0000	-13.0000	-28.2200	-33.4600 *
11280.0000	-13.0000	-32.7507 **	-32.3562 **
13160.0000	-13.0000	-30.2460 **	-29.9659 **
15040.0000	-13.0000	-27.0084 **	-26.2389 **
16920.0000	-13.0000	-25.4320 **	-26.1283 **
18800.0000	-13.0000	-40.1686 **	-39.3501 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

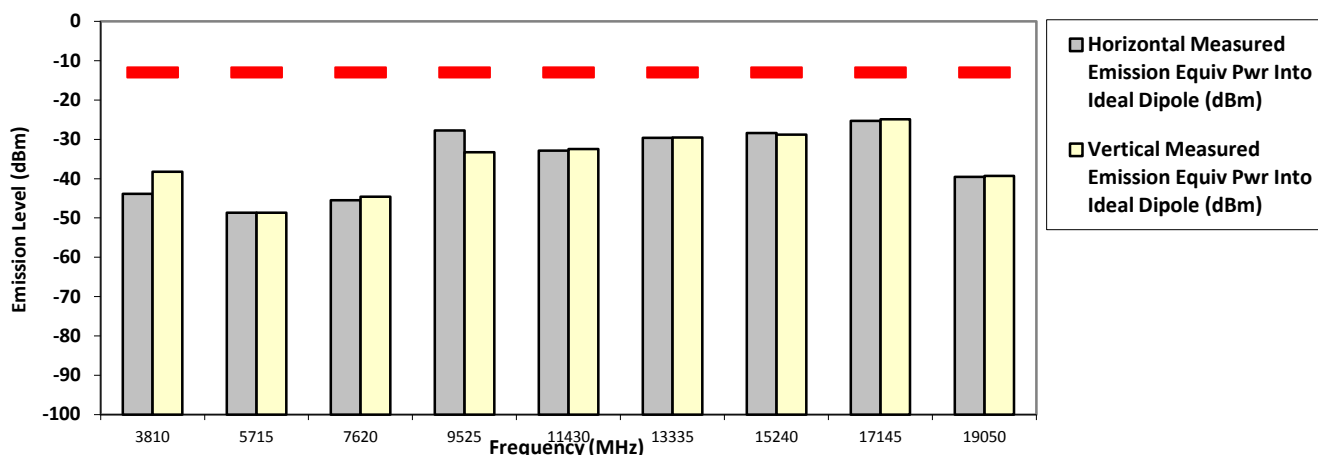
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1905.000000 MHz (High) Bandwidth 10MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3810.0000	-13.0000	-43.8300 *	-38.2200 *
5715.0000	-13.0000	-48.6750 **	-48.6486 **
7620.0000	-13.0000	-45.4795 **	-44.6255 **
9525.0000	-13.0000	-27.7800	-33.2900 *
11430.0000	-13.0000	-32.8650 **	-32.4634 **
13335.0000	-13.0000	-29.6483 **	-29.5392 **
15240.0000	-13.0000	-28.4037 **	-28.7734 **
17145.0000	-13.0000	-25.3097 **	-24.9276 **
19050.0000	-13.0000	-39.5786 **	-39.2784 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

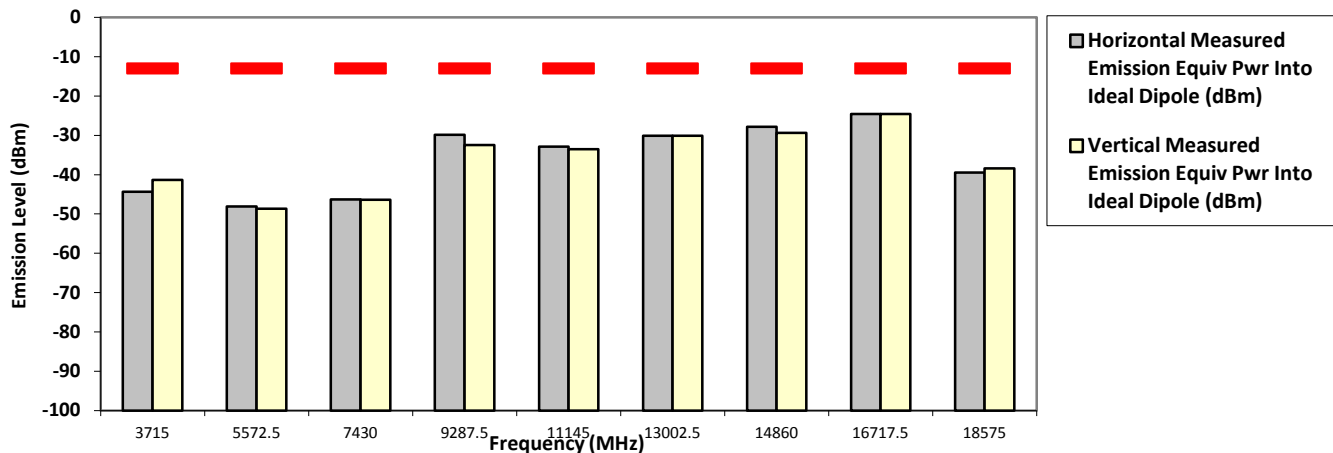
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1857.500000 MHz (Low) Bandwidth 15MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3715.0000	-13.0000	-44.3400 *	-41.3100 *
5572.5000	-13.0000	-48.0834 **	-48.6901 **
7430.0000	-13.0000	-46.3045 **	-46.4098 **
9287.5000	-13.0000	-29.8900	-32.4800
11145.0000	-13.0000	-32.8986 **	-33.5275 **
13002.5000	-13.0000	-30.1249 **	-30.0907 **
14860.0000	-13.0000	-27.7902 **	-29.3318 **
16717.5000	-13.0000	-24.5973 **	-24.5870 **
18575.0000	-13.0000	-39.4816 **	-38.4203 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sun, Dec 10, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

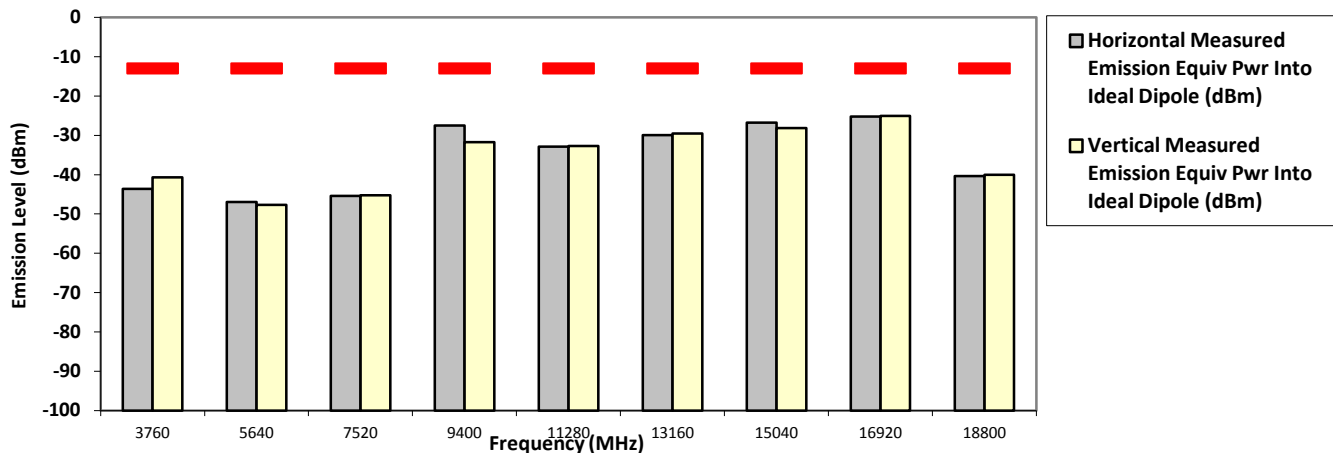
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 15MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-43.5800 *	-40.7100 *
5640.0000	-13.0000	-46.9146 **	-47.7131 **
7520.0000	-13.0000	-45.4064 **	-45.2608 **
9400.0000	-13.0000	-27.4700	-31.7000
11280.0000	-13.0000	-32.9082 **	-32.7324 **
13160.0000	-13.0000	-29.9203 **	-29.5391 **
15040.0000	-13.0000	-26.7708 **	-28.1679 **
16920.0000	-13.0000	-25.2193 **	-25.0872 **
18800.0000	-13.0000	-40.3634 **	-40.0404 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sun, Dec 10, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:

Model #: LEX L11n

S/N: 790TTV0214

SR:08397-EMC-00067

Battery Part No: PMNN4546A

Accy Part No: 8397-PMLN7779A-5

Test Mode: TX LTE (Band 2)

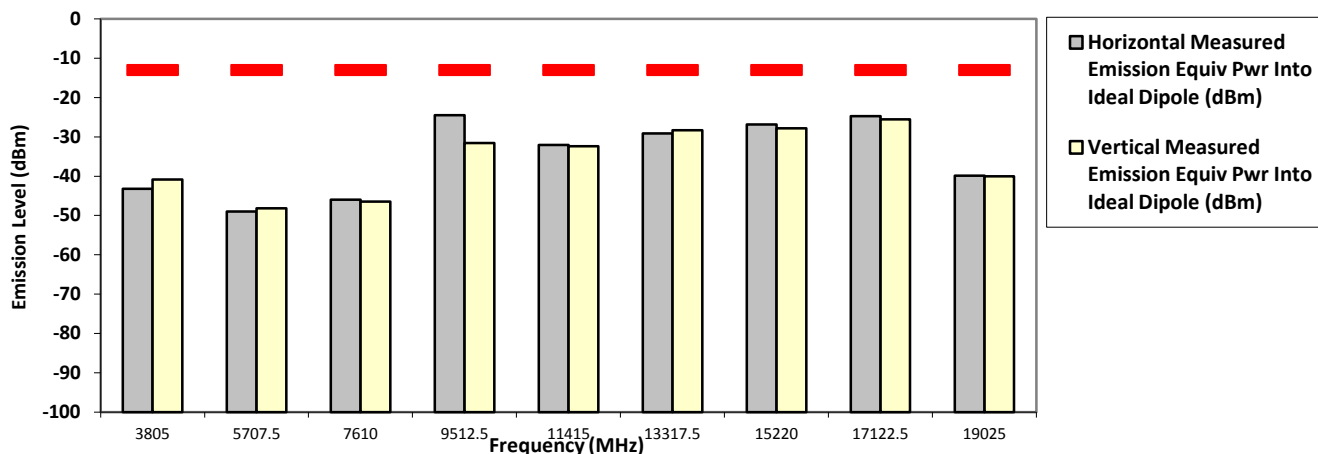
1902.500000 MHz (High)

Bandwidth 15MHz

0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3805.0000	-13.0000	-43.2300 *	-40.8700 *
5707.5000	-13.0000	-49.0166 **	-48.1390 **
7610.0000	-13.0000	-46.0169 **	-46.4334 **
9512.5000	-13.0000	-24.5200	-31.5600
11415.0000	-13.0000	-32.0730 **	-32.4107 **
13317.5000	-13.0000	-29.1267 **	-28.3090 **
15220.0000	-13.0000	-26.8231 **	-27.8375 **
17122.5000	-13.0000	-24.7288 **	-25.5774 **
19025.0000	-13.0000	-39.8551 **	-40.0496 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sun, Dec 10, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

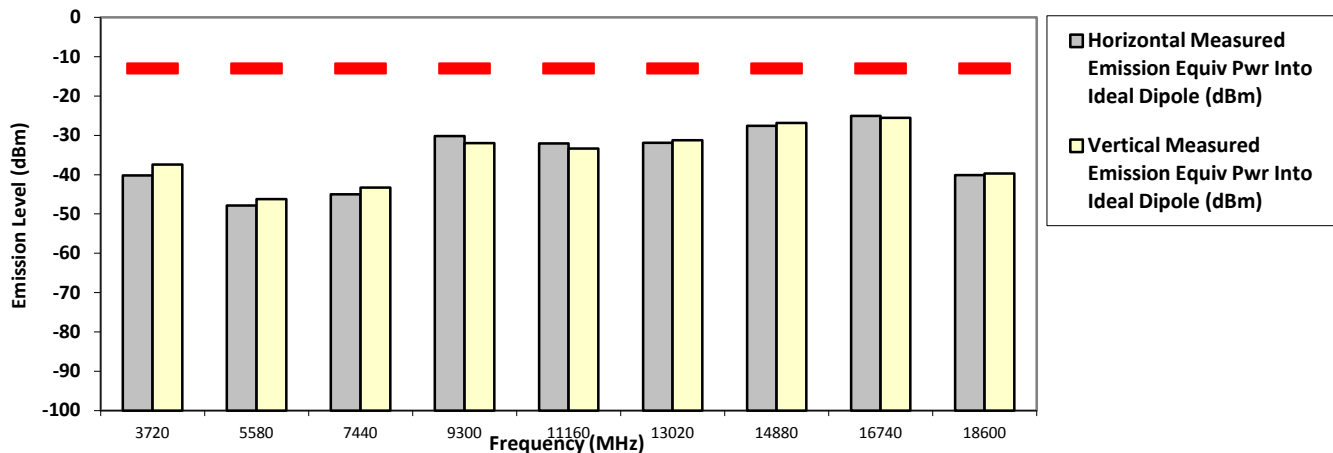
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1860.000000 MHz (Low) Bandwidth 20MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3720.0000	-13.0000	-40.1800 *	-37.4000 *
5580.0000	-13.0000	-47.8831 **	-46.1938 **
7440.0000	-13.0000	-45.0368 **	-43.2599 **
9300.0000	-13.0000	-30.1700	-31.9800
11160.0000	-13.0000	-32.0551 **	-33.3231 **
13020.0000	-13.0000	-31.8745 **	-31.2806 **
14880.0000	-13.0000	-27.5627 **	-26.8732 **
16740.0000	-13.0000	-25.0215 **	-25.5427 **
18600.0000	-13.0000	-40.1353 **	-39.7397 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

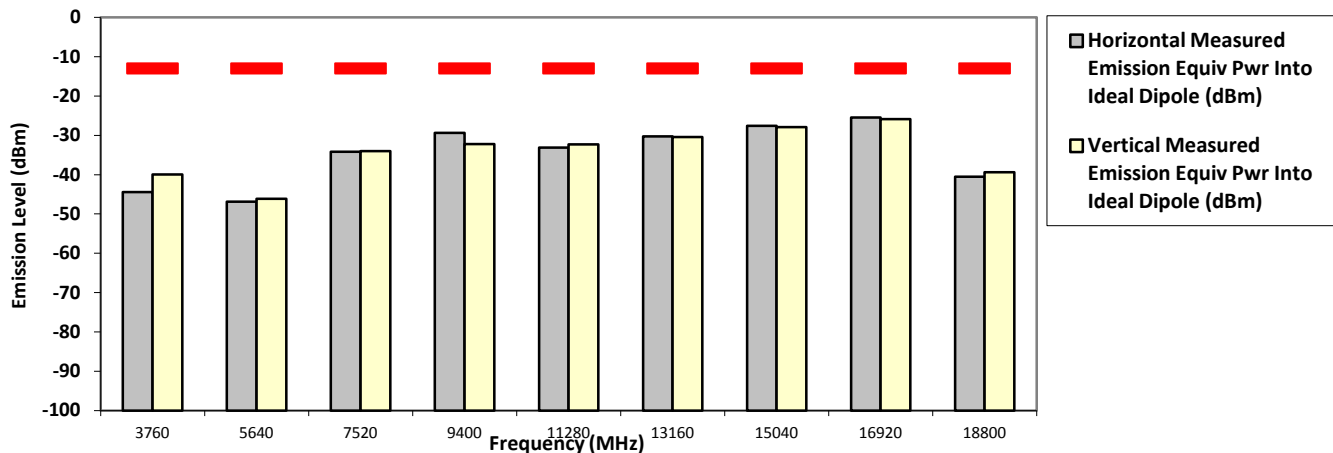
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1880.000000 MHz (Mid) Bandwidth 20MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3760.0000	-13.0000	-44.4700 *	-39.9200 *
5640.0000	-13.0000	-46.8953 **	-46.1761 **
7520.0000	-13.0000	-34.1400 *	-34.0500 *
9400.0000	-13.0000	-29.3300	-32.1800
11280.0000	-13.0000	-33.1095 **	-32.2690 **
13160.0000	-13.0000	-30.2927 **	-30.4460 **
15040.0000	-13.0000	-27.5984 **	-27.9041 **
16920.0000	-13.0000	-25.4415 **	-25.8460 **
18800.0000	-13.0000	-40.5542 **	-39.3997 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.

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

Sat, Dec 09, 2017

Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

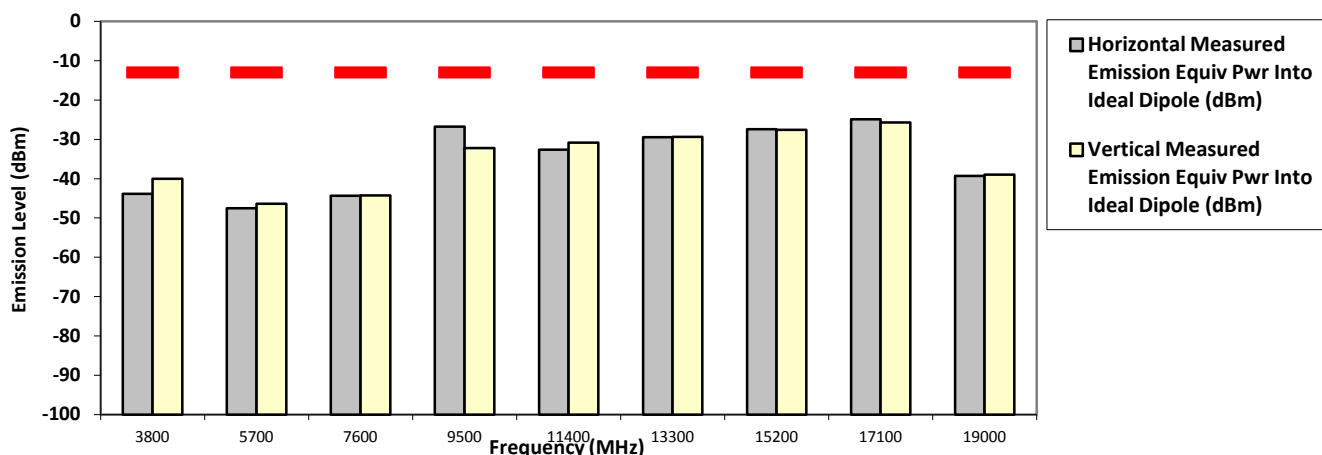
Remarks:

Passed Results	Marginal Results	Failed Results
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Link Mode Radiated Emission:
 Model #: LEX L11n S/N: 790TTV0214 SR:08397-EMC-00067
 Battery Part No: PMNN4546A Accy Part No: 8397-PMLN7779A-5
 Test Mode: TX LTE (Band 2)
 1900.000000 MHz (High) Bandwidth 20MHz 0.252 Watt(s) /Max Power

Frequency (MHz)	Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into ideal Dipole (dBm)
3800.0000	-13.0000	-43.8900 *	-40.0000 *
5700.0000	-13.0000	-47.4912 **	-46.4225 **
7600.0000	-13.0000	-44.3619 **	-44.2493 **
9500.0000	-13.0000	-26.7300	-32.2400
11400.0000	-13.0000	-32.5962 **	-30.8736 **
13300.0000	-13.0000	-29.4786 **	-29.3953 **
15200.0000	-13.0000	-27.4443 **	-27.5625 **
17100.0000	-13.0000	-24.9041 **	-25.6989 **
19000.0000	-13.0000	-39.2789 **	-39.0146 **

RADIATED SPURIOUS EMISSIONS



The data presented here was taken using the substitution method as found in the TIA/EIA-603E document.
 Motorola Penang EMC Lab - Test Performed by: Azil&Qawiman Sat, Dec 09, 2017
 Industry Canada: 109AK

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): 22.9 Hum(%RH): 68.5

System MU: 5.01 dB

Remarks:

Passed Results	Marginal Results	Failed Results
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--Test Report End--