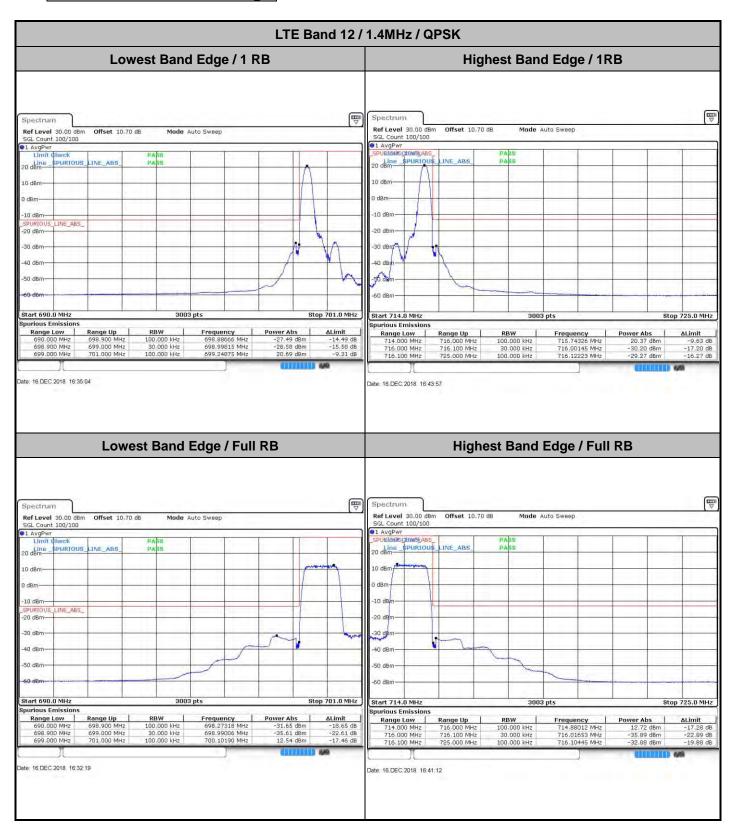
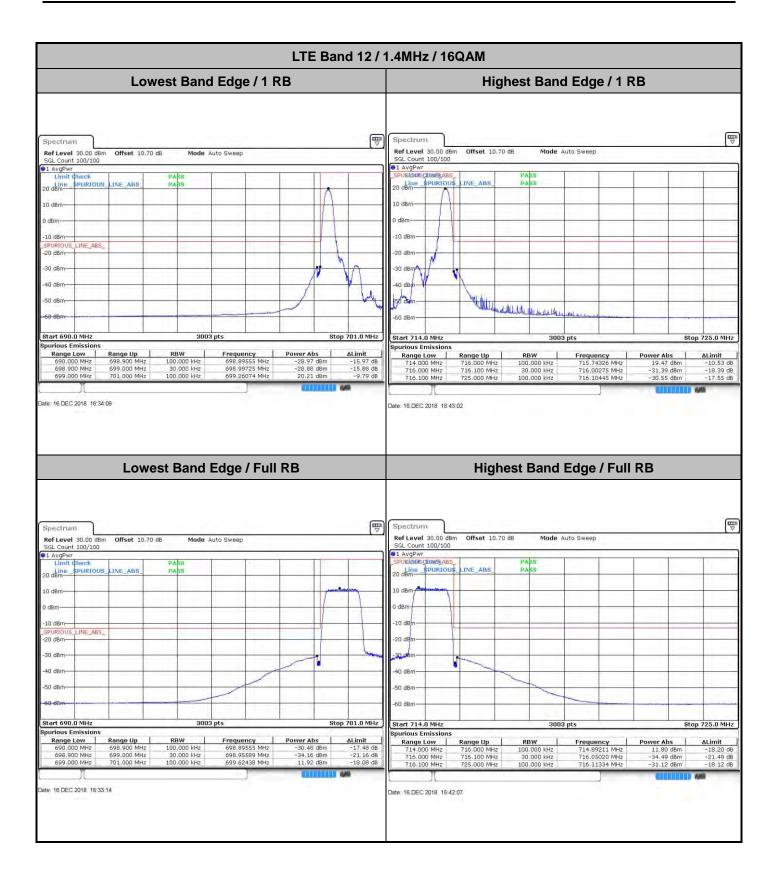
Conducted Band Edge

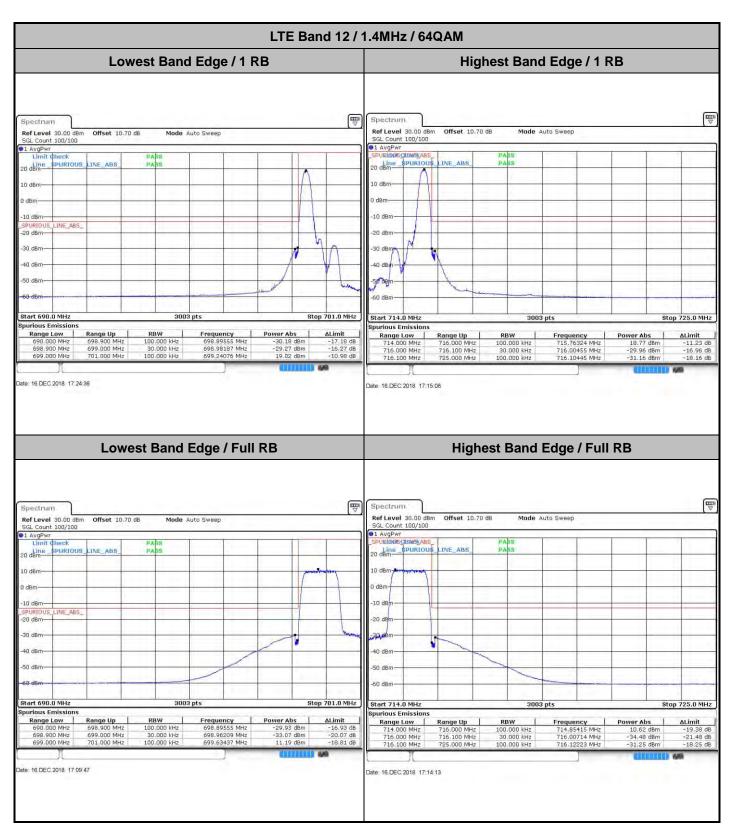


Report No.: FG8O1751B

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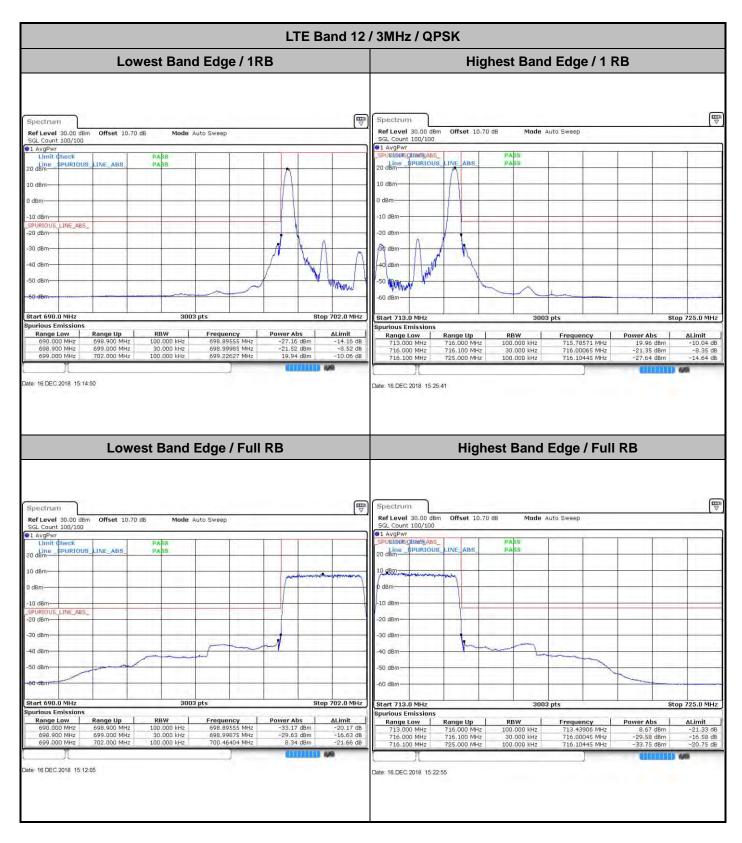


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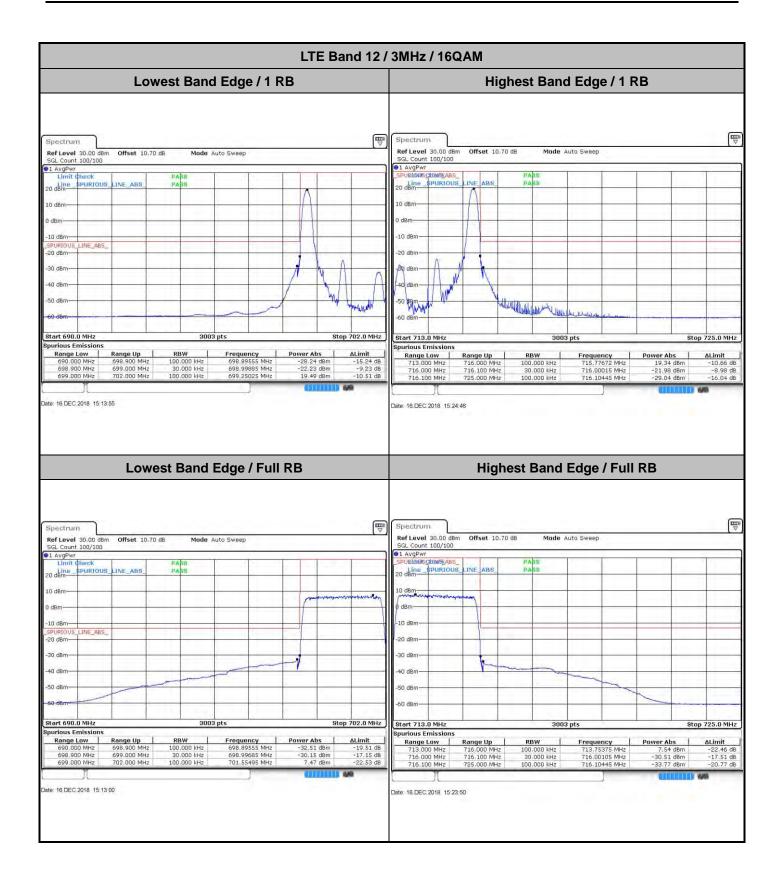


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Report No.: FG8O1751B

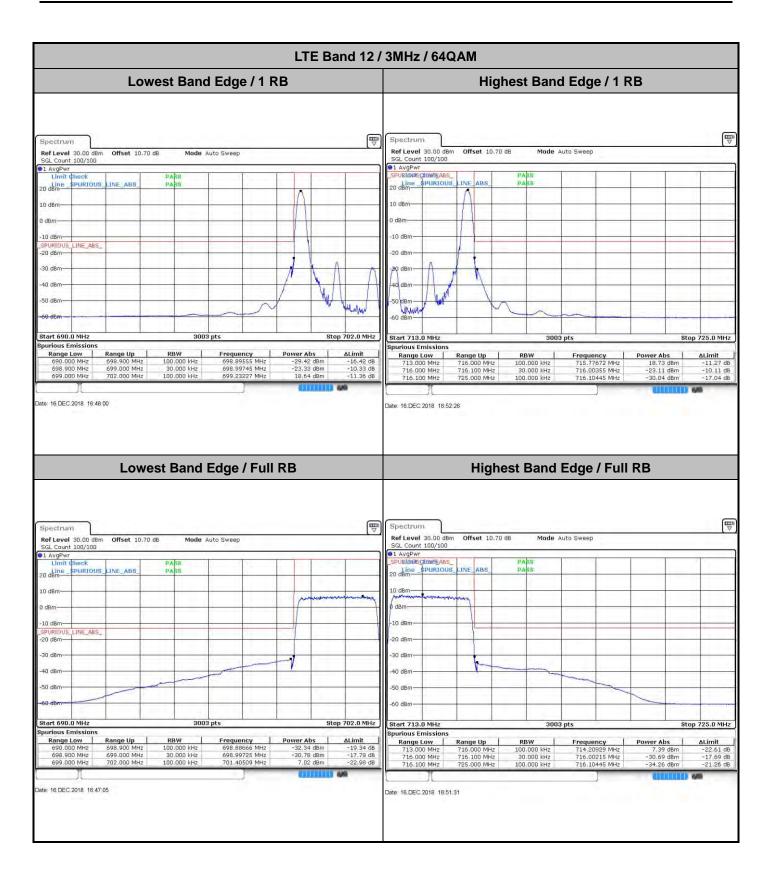


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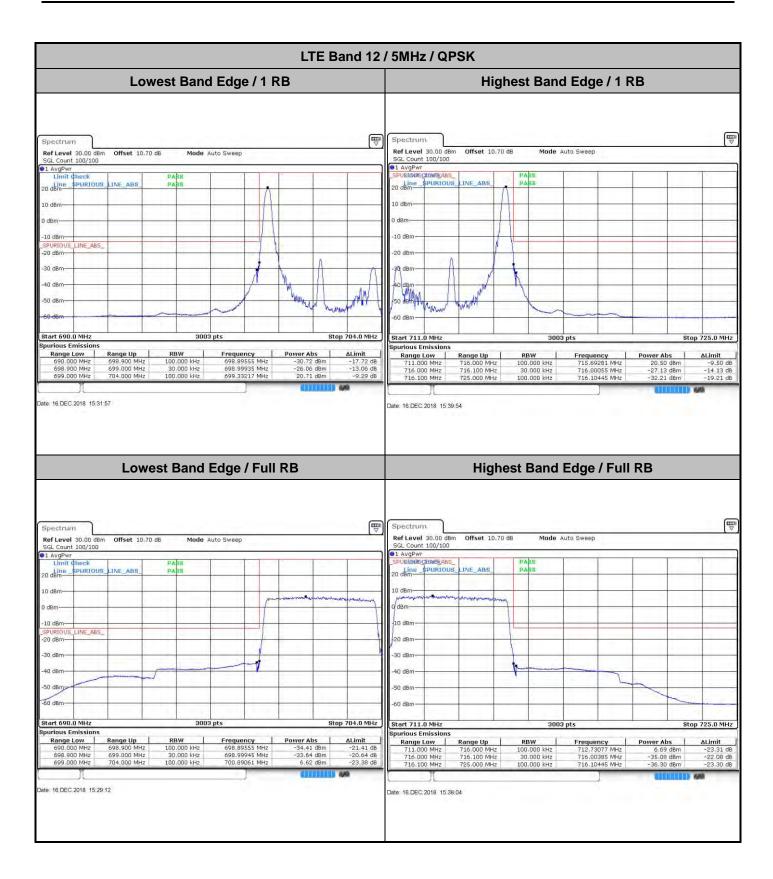


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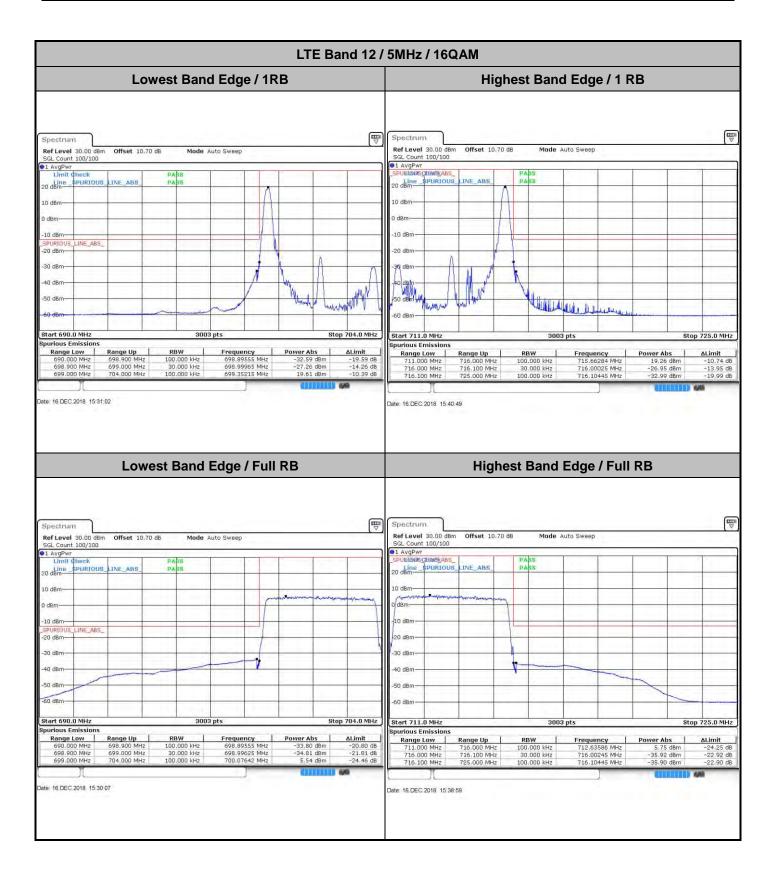




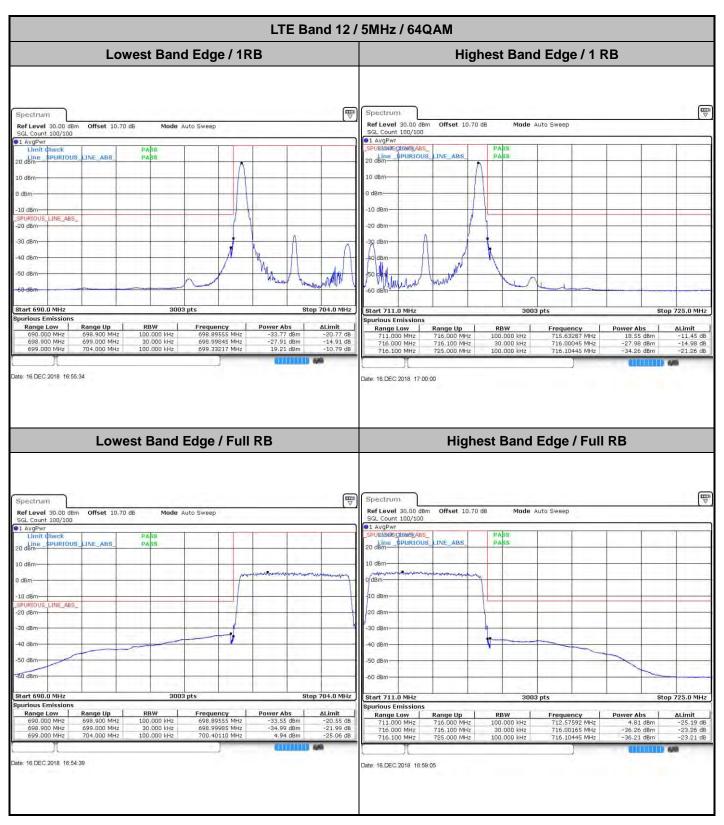
TEL: 886-3-327-3456 Page Number : A12-24 of 41



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Report No.: FG8O1751B LTE Band 12 / 10MHz / QPSK Lowest Band Edge / 1 RB Highest Band Edge / 1 RB Spectrum Ref Level 30.00 dBm Offset 10.70 dB Mode Auto Sweep Ref Level 30.00 Offset 10.70 dB Made Auto Sweep Count 100/100 SGL Count 100/100 Line SPURIOUS_LINE_ABS LINE_ABS 20 dBm--30 dBm -30 dBm-40 dBm Start 690.0 MHz 3003 pts Stop 709.0 MHz urious Emissions Range Low Range Up 698.900 MHz Range Low 716.100 MHz 725.000 MHz Date: 16.DEC.2018 15:47:05 Lowest Band Edge / Full RB **Highest Band Edge / Full RB** H P Spectrum Mode Auto Sweep Ref Level 30.00 dBm Offset 10.70 dB SGL Count 100/100 Mode Auto Sweep Ref Level 30.00 dBm Offset 10.70 dB SGL Count 100/100 1 AvgPwr Limit Check 20 dBm SPURIOUS_LINE_ABS SPURIOUS LINE ABS 20 dBm 10 dBmdBas-LINE_ABS 20 dBm 30 dBm 50 dBm--60 dBm-709.0 MH: Start 706.0 MHz purious Emissions Range Up 698.900 MHz 699.000 MHz 709.000 MHz RBW 100.000 kHz 30.000 kHz 100.000 kHz Frequency 698.88666 MHz 698.99965 MHz 700.83317 MHz Range Low 706,000 MHz 716,000 MHz 716,100 MHz Power Abs ΔLimit Frequency 711.03996 MHz 716.00475 MHz 716.10445 MHz -23,32 dB -25,04 dB -25,62 dB

TEL: 886-3-327-3456 Page Number : A12-28 of 41

Date: 16.DEC.2018 16:23:51

FAX: 886-3-328-4978

ate: 16.DEC.2018 15:44:19

LTE Band 12 / 10MHz / 16QAM Lowest Band Edge / 1 RB Highest Band Edge / 1 RB Spectrum Ref Level 30.00 dBm Offset 10.70 dB Mode Auto Sweep Ref Level 30.00 Offset 10.70 dB Made Auto Sweep Count 100/100 SGL Count 100/100 Line SPURIOUS LINE ABS LINE_ABS 20 dBm--30 dBm 30 dBm-40 dBm Start 690.0 MHz 3003 pts Stop 709.0 MHz urious Emissions Range Low Range Up 698.900 MHz Range Low 716.100 MHz 725.000 MHz 716.00405 MHz 716.10445 MHz Date: 16.DEC.2018 15:46:10 Lowest Band Edge / Full RB **Highest Band Edge / Full RB** H P Spectrum Mode Auto Sweep Ref Level 30.00 dBm Offset 10.70 dB SGL Count 100/100 Mode Auto Sweep Ref Level 30.00 dBm Offset 10.70 dB SGL Count 100/100 1 AvgPwi 20 dBm SPURIOUS SPURIOUS LINE ABS 20 dBm 10 dBm-LINE_ABS 20 dBm -30 dBm 50 dsm -60 dBm-Start 706.0 MHz nurious Emissions Range Up 698.900 MHz 699.000 MHz 709.000 MHz Range Low 706,000 MHz 716,000 MHz 716,100 MHz ΔLimit Frequency 712,49850 MHz 716,00764 MHz 716,11334 MHz -22.85 dB -25.69 dB -26.64 dB

Report No.: FG8O1751B

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Date: 16.DEC.2018 16:24:46

FAX: 886-3-328-4978

ate: 16.DEC.2018 15:45:15

Report No.: FG8O1751B LTE Band 12 / 10MHz / 64QAM Lowest Band Edge / 1 RB Highest Band Edge / 1 RB Spectrum Ref Level 30.00 dBm Offset 10.70 dB Mode Auto Sweep Ref Level 30.00 Offset 10.70 dB Made Auto Sweep Count 100/100 SGL Count 100/100 Line SPURIOUS LINE ABS LINE_ABS 20 dBm--30 dBm 40 dBm Start 690.0 MHz 3003 pts Stop 709.0 MHz urious Emissions Range Low Range Up 698.900 MHz Power Abs -43,12 dBm -41,18 dBm 18,22 dBm ΔLimit Range Low Frequency 698.89555 MHz 716.100 MHz 725.000 MHz Date: 16.DEC.2018 17:03:08 Lowest Band Edge / Full RB **Highest Band Edge / Full RB** W Spectrum Mode Auto Sweep Ref Level 30.00 dBm Offset 10.70 dB SGL Count 100/100 Mode Auto Sweep Ref Level 30.00 dBm Offset 10.70 dB SGL Count 100/100 1 AvgPw Limit Line SPURIOUS LINE ABS SPURIOUS LINE ABS 20 dBm 10 dBm-LINE_ABS 20 dBm 30 dBm 50 dBm--60 dBm-Start 706.0 MHz purious Emissions Range Up 698.900 MHz 699.000 MHz 709.000 MHz RBW 100.000 kHz 30.000 kHz 100.000 kHz -36.41 dBm -39.68 dBm Range Low 706,000 MHz 716,000 MHz 716,100 MHz ΔLimit Frequency 712.26873 MHz 716.00055 MHz 716.12223 MHz

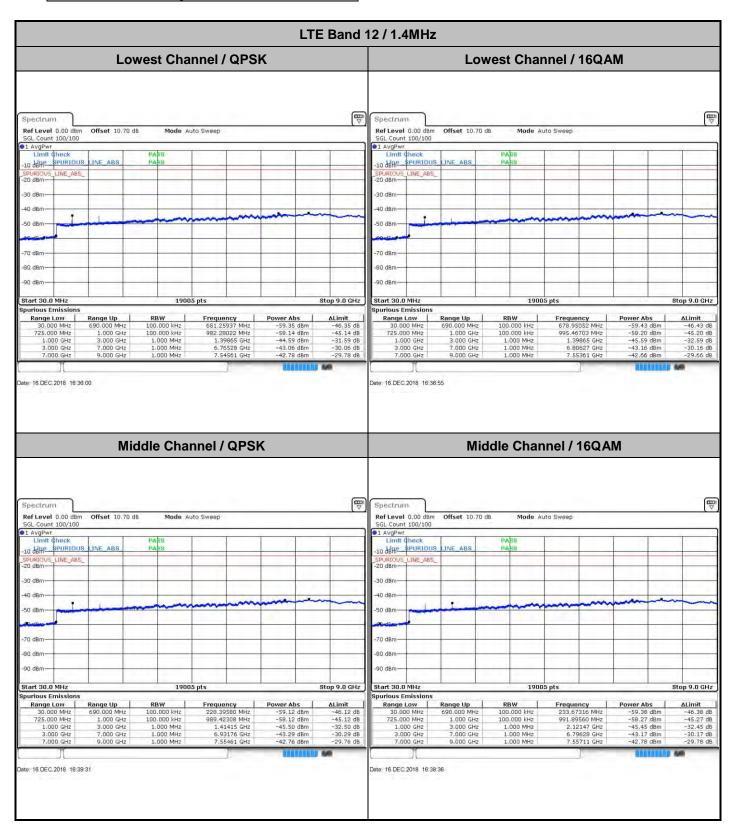
TEL: 886-3-327-3456 Page Number : A12-30 of 41

Date: 16.DEC.2018 17:06:39

FAX: 886-3-328-4978

ate: 16.DEC.2018 17:02:13

Conducted Spurious Emission



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Report No.: FG8O1751B LTE Band 12 / 1.4MHz **Highest Channel / QPSK Highest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Mode Auto Sweep GL Count 100/100 GL Count 100/100 10 dene spurious 10 dene SPURIOUS LINE ABS LINE_ABS_ LINE_ABS_ 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 40 dBm -50 dBm 50 dBm op 9.0 GHz Start 30.0 MHz Start 30.0 MHz rious Emissia Spurious Emissions Power Abs -58.96 dBm -58.14 dBm -42.64 dBm -43.21 dBm -42.87 dBm ΔLimit
-45.96 dB
-45.14 dB
-29.64 dB
-30.21 dB
-29.87 dB RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs -59.32 dBm -59.18 dBm -42.90 dBm -43.21 dBm -42.71 dBm 30.000 MHz 725.000 MHz Range Up 690,000 MHz 30.000 MHz 725.000 MHz Prequency 236.97151 MHz 993.26923 MHz 2.14446 GHz 6.89726 GHz 7.54661 GHz -46.32 dB -45.18 dB -29.90 dB -30.21 dB -29.71 dB 232.68366 MHz 986.95055 MHz 2.14496 GHz 6.91926 GHz 7.54561 GHz 0.000 MH2 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 1.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 100.000 kHz 1.000 GHz 3.000 GHz 7.000 GHz 1.000 MHz 1.000 MHz 1.000 MHz ite: 16.DEC.2018 16:44:52 Date: 16.DEC.2018 16:45:48 LTE Band 12 / 3MHz Lowest Channel / QPSK **Lowest Channel / 16QAM** H Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Mode Auto Sweep SGL Count 100/100 SGL Count 100/100 ●1 AvgPwr Limit ¢h 10 dene SPURIOUS LINE ABS 10 dene SPURIOUS LINE ABS LINE_ABS_ INE_ABS_ 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 40 dBm 50 dBm 50 dBm-80 dBm 90 dBm 90 dBm 90 dBm Stop 9.0 GHz 19005 pts Stop 9.0 GHz Start 30.0 MHz Start 30.0 MHz rious Emissi Spurious Emissions RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs
-59.53 dBm
-59.17 dBm
-45.46 dBm
-43.37 dBm
-43.20 dBm ALimit
-46.53 dB
-45.17 dB
-32.46 dB
-30.37 dB
-30.20 dB RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz 242.24888 MHz 982.28022 MHz 1.39865 GHz 6.80127 GHz 7.55761 GHz Frequency 231.69415 MHz 983.37912 MHz 2.09798 GHz Range Low Range Up Range Low 30.000 MHz Range Up 690.000 MHz Power Abs ΔLimit 30.000 MHz 725.000 MHz 0.000 MHz 1.000 GHz 3.000 GHz 1.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 725,000 MHz

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Date: 16 DEC 2018 15:18:39

FAX: 886-3-328-4978

ate: 16.DEC.2018 15:15:46

LTE Band 12 / 3MHz Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep GL Count 100/100 GL Count 100/100 10 dene spurious 10 dene SPURIOUS LINE ABS LINE_ABS_ 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 40 dBm -50 dBm 50 dBm top 9.0 GHz Start 30.0 MHz Start 30.0 MHz rious Emission: Spurious Emissions Frequency 580.98951 MHz 962.77473 MHz 2.11897 GHz 6.80077 GHz 7.54961 GHz ALimit
-46.49 dB
-45.36 dB
-29.65 dB
-30.19 dB
-30.09 dB RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz 30.000 MHz 725.000 MHz -59.49 dBm -59.36 dBm -42.65 dBm Range Low 30.000 MHz 725.000 MHz Frequency 534.81259 MHz 998.48901 MHz 2.11897 GHz 6.80127 GHz 7.54311 GHz Range Up 690.000 MHz -46.45 dB -45.02 dB -32.07 dB -30.18 dB -30.17 dB 1.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 1.000 GHz 3.000 GHz 7.000 GHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz .000 GHz ate: 16.DEC.2018 15:21:15 Date: 16.DEC.2018 15:20:20 **Highest Channel / QPSK Highest Channel / 16QAM** H V Spectrum Spectrum Mode Auto Sweep Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 10.70 dB Count 100/100 GL Count 100/100 ●1 AvgPwr Limit Che 1 AvgPwr Limit Check Limit Check

10 dene Spurious LINE ABS SPURIOUS LINE ABS 10 deline 30 dBr 30 dBo 40 dBm 40 dBm 50 dBm 50 d8m 70 dBm 70 dBm 80 dBm Start 30.0 MHz Stop 9.0 GHz Start 30.0 MHz 19005 pts Stop 9.0 GHz rious Emission Spurious Emissions Range Low 30.000 MHz 725.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 7.000 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs
-59.26 dBm
-59.27 dBm
-45.52 dBm
-43.15 dBm
-42.96 dBm Frequency 571.36432 MHz 970.19231 MHz 2.13997 GHz 6.94076 GHz 7.54561 GHz Range Low Range Up 0.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz

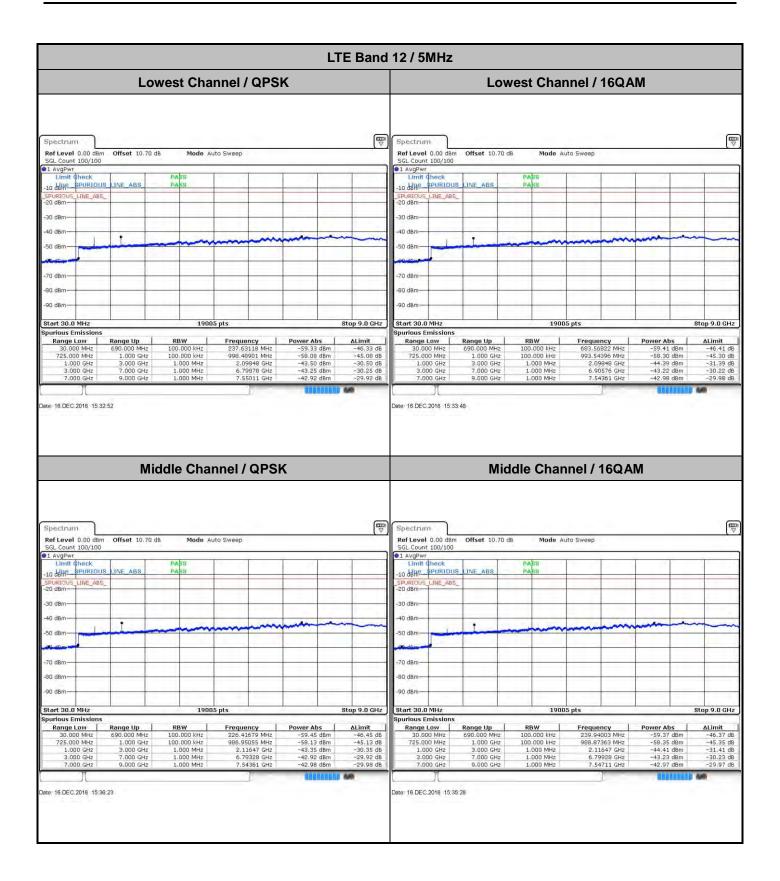
Report No.: FG8O1751B

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ate: 16.DEC.2018 15:27:32

FAX: 886-3-328-4978

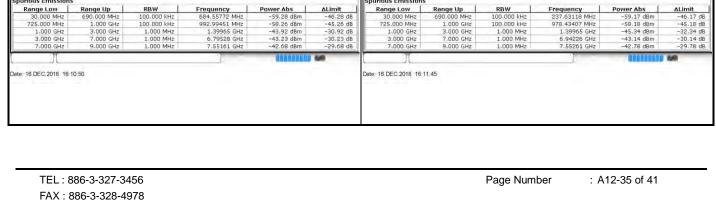
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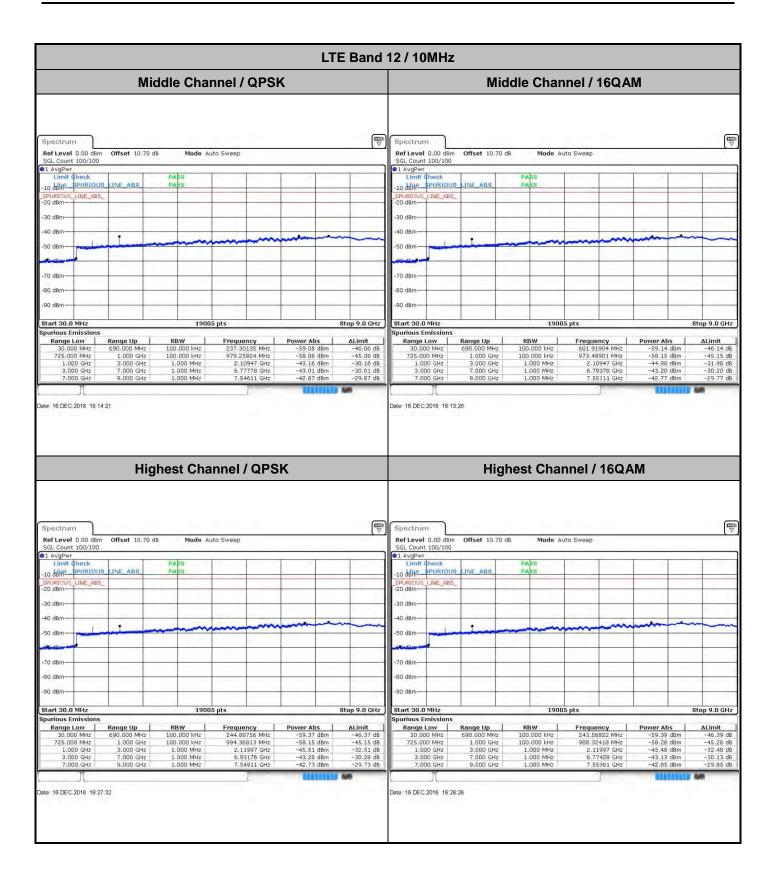


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0.000 MHz 1.000 GHz 3.000 GHz

Report No.: FG8O1751B LTE Band 12 / 5MHz **Highest Channel / QPSK Highest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Mode Auto Sweep GL Count 100/100 GL Count 100/100 10 dene spurious 10 dene SPURIOUS LINE ABS LINE_ABS_ 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 40 dBm 50 d8m 50 dBm top 9.0 GHz Start 30.0 MHz Start 30.0 MHz rious Emissia Spurious Emissions Power Abs -59.26 dBm -59.08 dBm -42.69 dBm -43.27 dBm -42.77 dBm 46.26 dB -45.08 dB -29.69 dB -30.27 dB -29.77 dB RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz 30.000 MHz 725.000 MHz Range Up 690,000 MHz 30.000 MHz 725.000 MHz -46.42 dB -45.20 dB -32.68 dB -30.21 dB -29.95 dB 0.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 998.21429 MHz 2.13447 GHz 6.77978 GHz 7.55161 GHz 1.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz 7.000 GHz 9.000 GH ate: 16.DEC.2018 15:42:39 Date: 16.DEC.2018 15:41:44 LTE Band 12 / 10MHz Lowest Channel / QPSK **Lowest Channel / 16QAM** H Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Mode Auto Sweep SGL Count 100/100 SGL Count 100/100 ●1 AvgPwr Limit ¢h 10 dene SPURIOUS LINE ABS 10 dene SPURIOUS LINE ABS LINE_ABS_ INE_ABS_ 20 dBm 20 dBm 30 dBm 30 dBm 40 dBm 50 dBm 50 dBm-80 dBm 90 dBm 90 dBm Start 30.0 MHz Stop 9.0 GHz 19005 pts Stop 9.0 GHz Start 30.0 MHz Spurious Emissions Frequency 684.55772 MHz 992.99451 MHz 1.39965 GHz Range Low 30.000 MHz 725.000 MHz Range Low Range Up Power Abs ΔLimit





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LTE Band 12 / 1.4MHz Lowest Channel / 64QAM Middle Channel / 64QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Mode Auto Sweep GL Count 100/100 GL Count 100/100 10 dene spurious 10 dene spurious LINE ABS LINE_ABS_ LINE_ABS_ 20 dBm 20 dBm -30 dBm 30 dBm 40 dBm 40 dBm -50 dBm 50 dBm Stop 9.0 GHz Start 30.0 MHz Start 30.0 MHz rious Emission: **Spurious Emissions** Range Up 690.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Frequency 687.19640 MHz 997.93956 MHz 2.09798 GHz 6.78278 GHz 7.54361 GHz Power Abs -59.21 dBm -58.03 dBm -46.02 dBm -43.08 dBm -42.73 dBm 46.21 dB -45.03 dB -33.02 dB -30.08 dB -29.73 dB Range Low 30.000 MHz 725.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs -59.21 dBm -59.19 dBm -45.26 dBm -43.19 dBm -42.83 dBm ALimit
-46.21 dB
-45.19 dB
-32.26 dB
-30.19 dB
-29.83 dB Range Low 30.000 MHz 725.000 MHz Prequency
248.18591 MHz
982.28022 MHz
2.12147 GHz
6.88776 GHz
7.55461 GHz Range Up 690.000 MH: 1.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 1.000 GHz 3.000 GHz 7.000 GHz ate: 16.DEC.2018 17:11:38 Date: 16.DEC.2018 17:12:55 **Highest Channel / 64QAM** Spectrum Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep GL Count 100/100 I AvgPwr Limit check In July SPURIOUS LINE ABS 30 dBo 40 dBm 50 dBm 70 dBm 80 dBm Start 30.0 MHz Stop 9.0 GHz rious Emission RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs
-59.17 dBm
-59.12 dBm
-44.06 dBm
-43.12 dBm
-42.87 dBm Range Low 30.000 MHz Range Up 690,000 MHz 90.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz

Report No.: FG8O1751B

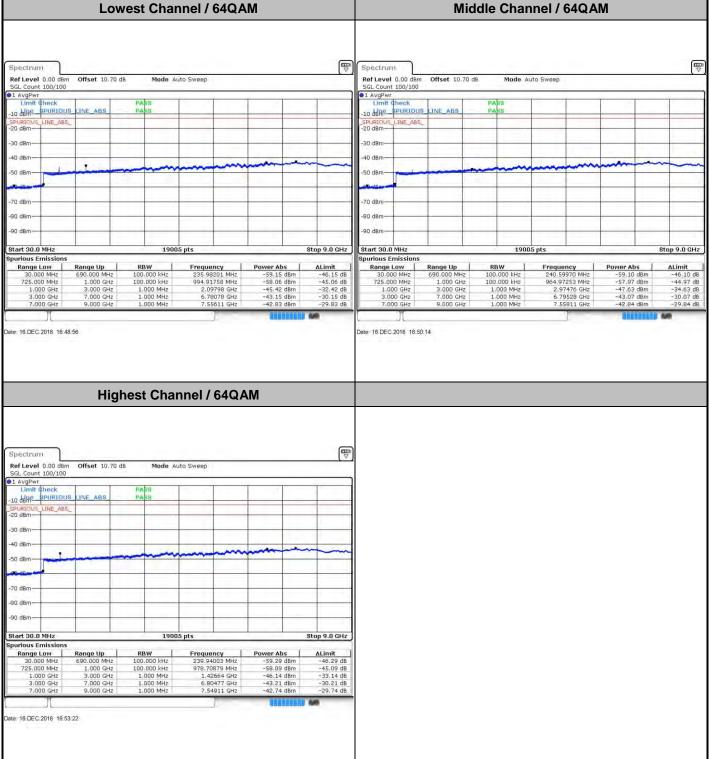
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FAX: 886-3-328-4978

ate: 16.DEC.2018 17:16:04

LTE Band 12 / 3MHz Lowest Channel / 64QAM Middle Channel / 64QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 10.70 dB Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep Mode Auto Sweep GL Count 100/100 GL Count 100/100 10 deline spurious 10 dene SPURIOUS LINE ABS LINE_ABS_ 20 dBm 20 dBm -30 dBm 30 dBm 40 dBm 40 dBm -50 dBm 50 dBm Stop 9.0 GHz Start 30.0 MHz Start 30.0 MHz rious Emission: **Spurious Emissions** Range Up 690.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz 235.98201 MHz 994.91758 MHz 2.09798 GHz 6.78078 GHz 7.55611 GHz Power Abs
-59.15 dBm
-58.06 dBm
-45.42 dBm
-43.15 dBm
-42.83 dBm ALimit
-46.15 dB
-45.06 dB
-32.42 dB
-30.15 dB
-29.83 dB Range Low 30.000 MHz 725.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz ALimit
-46.10 dB
-44.97 dB
-34.63 dB
-30.07 dB
-29.84 dB Range Low 30.000 MHz 725.000 MHz Prequency 240.59970 MHz 964.97253 MHz 2.97476 GHz 6.79528 GHz 7.55811 GHz Range Up 690.000 MH: 1.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 1.000 GHz 3.000 GHz 7.000 GHz ate: 16.DEC.2018 16:48:56 Date: 16.DEC.2018 16:50:14 **Highest Channel / 64QAM** Spectrum Ref Level 0.00 dBm Offset 10.70 dB Mode Auto Sweep GL Count 100/100 Limit check
Limit check
SPURIOUS LINE ABS 30 dBo 40 dBm 50 dBm 70 dBm

Report No.: FG8O1751B



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