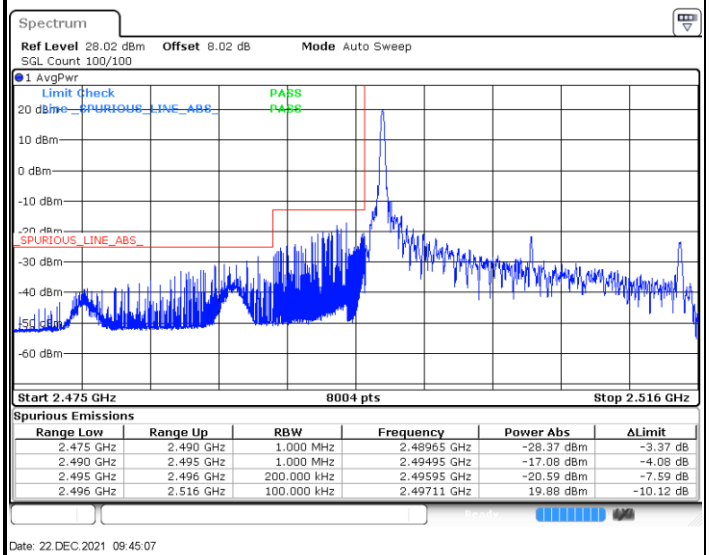
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

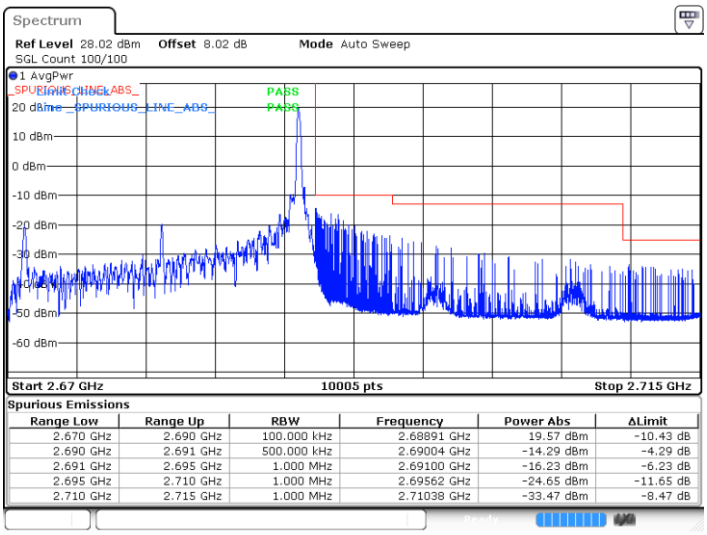


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48965 GHz	-28.37 dBm	-3.37 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-17.08 dBm	-4.08 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49595 GHz	-20.59 dBm	-7.59 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49711 GHz	19.88 dBm	-10.12 dB

Date: 22.DEC.2021 09:45:07

Highest Band Edge / 1 RB

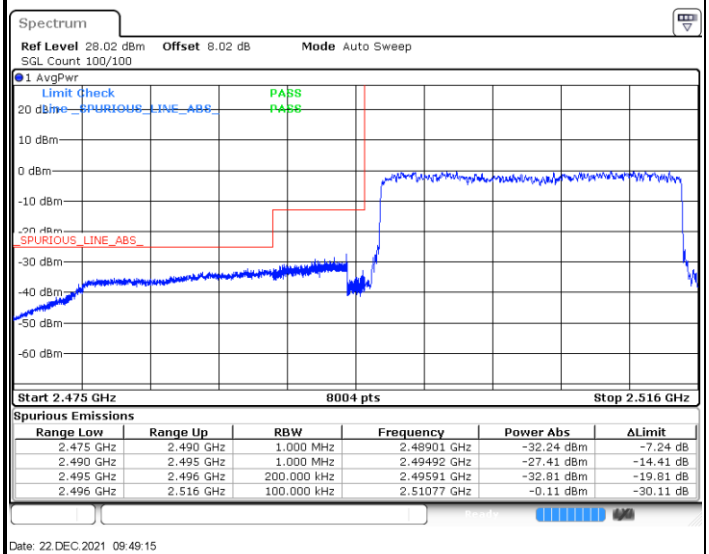


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68891 GHz	19.57 dBm	-10.43 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-14.29 dBm	-4.29 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-16.23 dBm	-6.23 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69562 GHz	-24.65 dBm	-11.65 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71038 GHz	-33.47 dBm	-8.47 dB

Date: 22.DEC.2021 09:53:22

Lowest Band Edge / Full RB

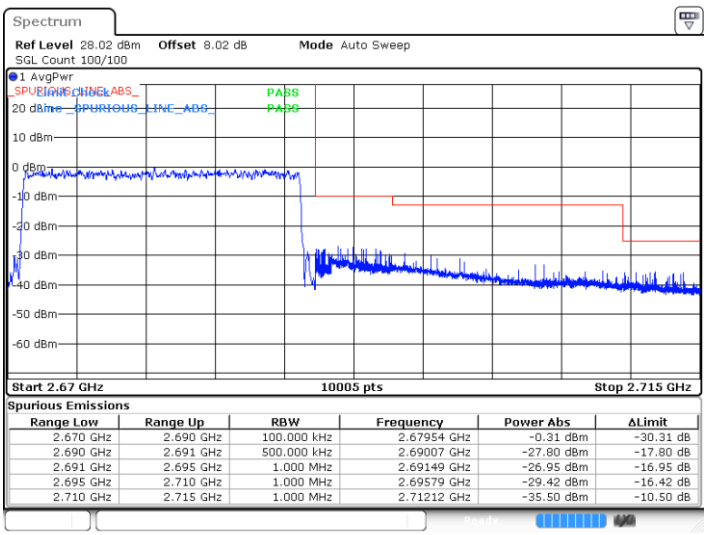


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48901 GHz	-32.24 dBm	-7.24 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-27.41 dBm	-14.41 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49591 GHz	-32.81 dBm	-19.81 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51077 GHz	-0.11 dBm	-30.11 dB

Date: 22.DEC.2021 09:49:15

Highest Band Edge / Full RB



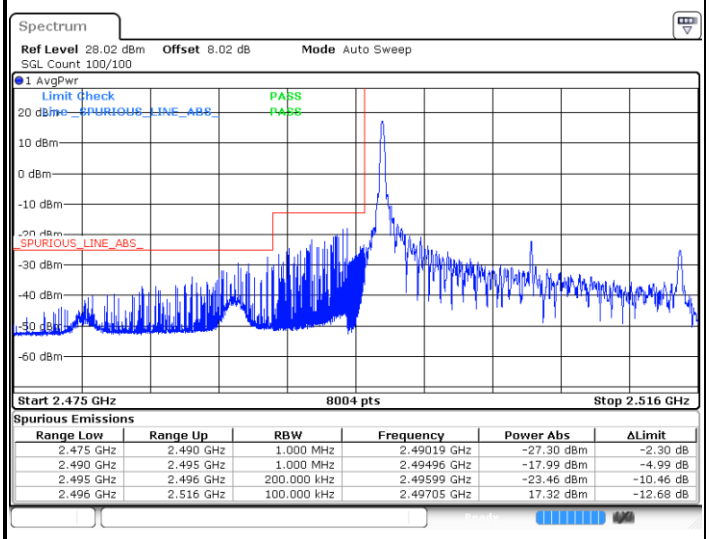
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67954 GHz	-0.31 dBm	-30.31 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69007 GHz	-27.80 dBm	-17.80 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69149 GHz	-26.95 dBm	-16.95 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69579 GHz	-29.42 dBm	-16.42 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71212 GHz	-35.50 dBm	-10.50 dB

Date: 22.DEC.2021 09:57:29

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

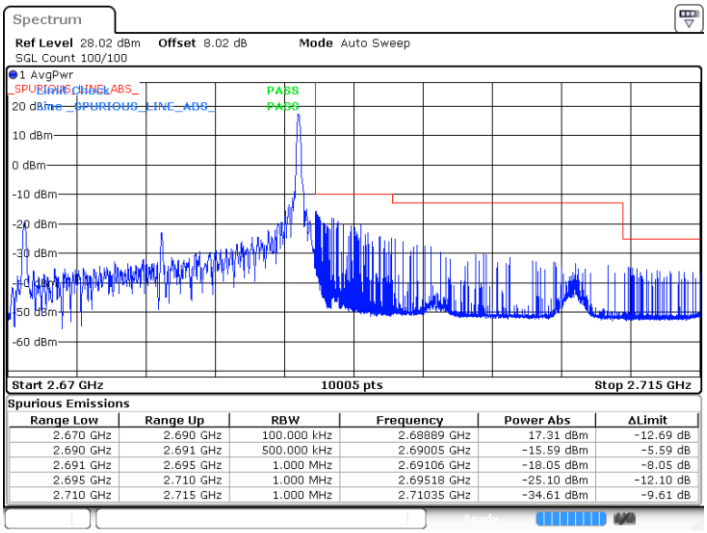


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49019 GHz	-27.30 dBm	-2.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-17.99 dBm	-4.99 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49599 GHz	-23.46 dBm	-10.46 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49705 GHz	17.32 dBm	-12.68 dB

Date: 22.DEC.2021 09:46:29

Highest Band Edge / 1 RB

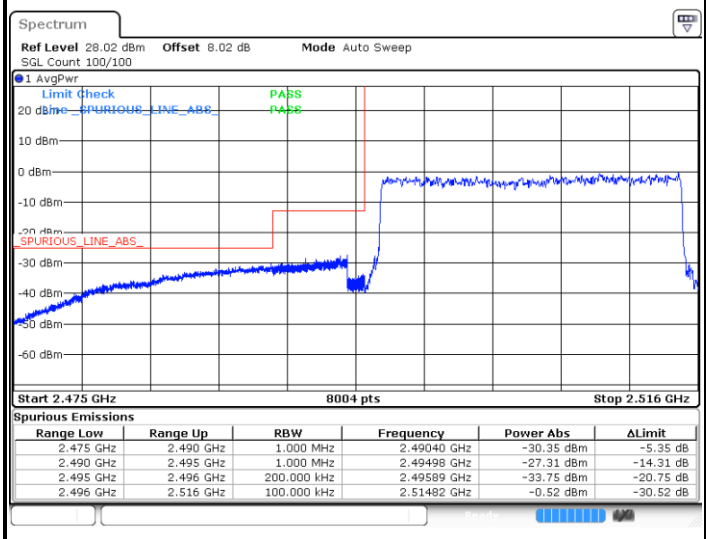


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68889 GHz	17.31 dBm	-12.69 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69005 GHz	-15.59 dBm	-5.59 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69106 GHz	-18.05 dBm	-8.05 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69518 GHz	-25.10 dBm	-12.10 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71035 GHz	-34.61 dBm	-9.61 dB

Date: 22.DEC.2021 09:54:44

Lowest Band Edge / Full RB

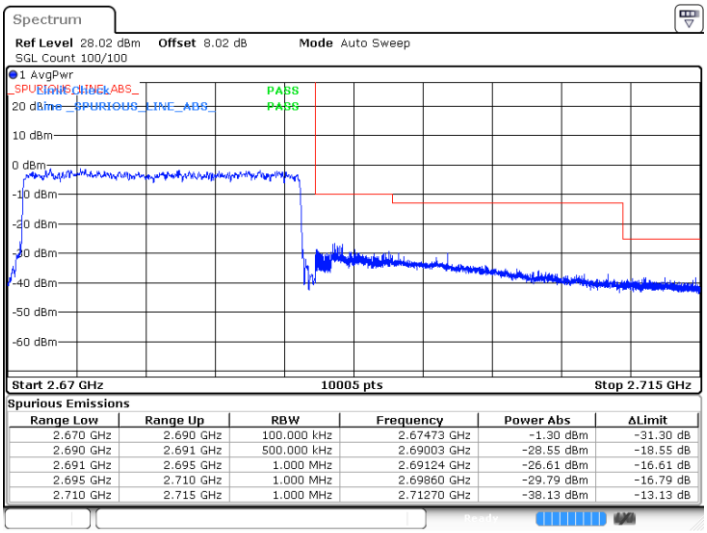


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-30.35 dBm	-5.35 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-27.31 dBm	-14.31 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49589 GHz	-33.75 dBm	-20.75 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51482 GHz	-0.52 dBm	-30.52 dB

Date: 22.DEC.2021 09:47:52

Highest Band Edge / Full RB



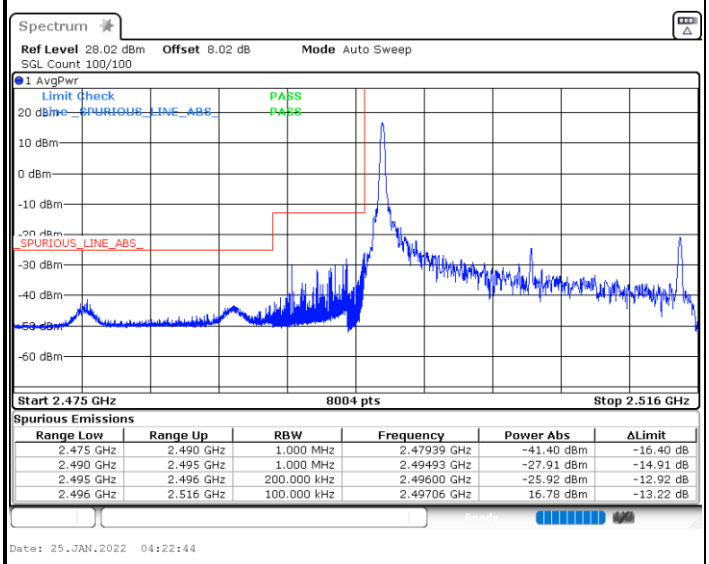
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67473 GHz	-1.30 dBm	-31.30 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69003 GHz	-28.55 dBm	-18.55 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69124 GHz	-26.61 dBm	-16.61 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69860 GHz	-29.79 dBm	-16.79 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71270 GHz	-38.13 dBm	-13.13 dB

Date: 22.DEC.2021 09:56:07

LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB

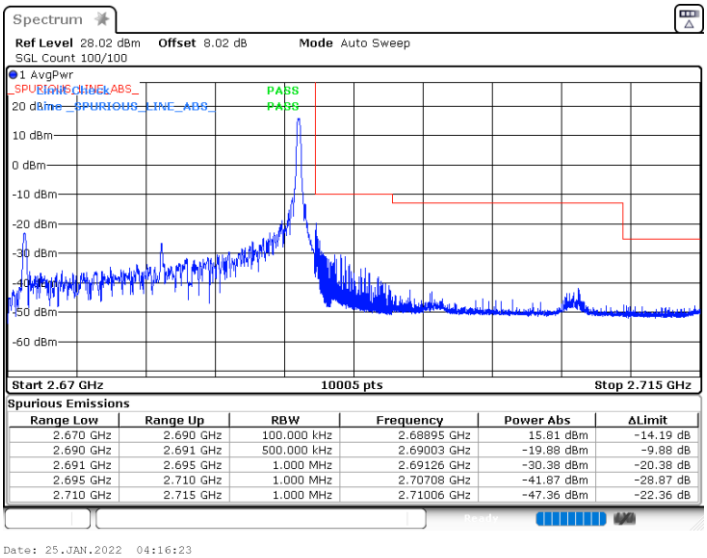


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.47939 GHz	-41.40 dBm	-16.40 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49493 GHz	-27.91 dBm	-14.91 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49600 GHz	-25.92 dBm	-12.92 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49706 GHz	16.78 dBm	-13.22 dB

Date: 25.JAN.2022 04:22:44

Highest Band Edge / 1 RB

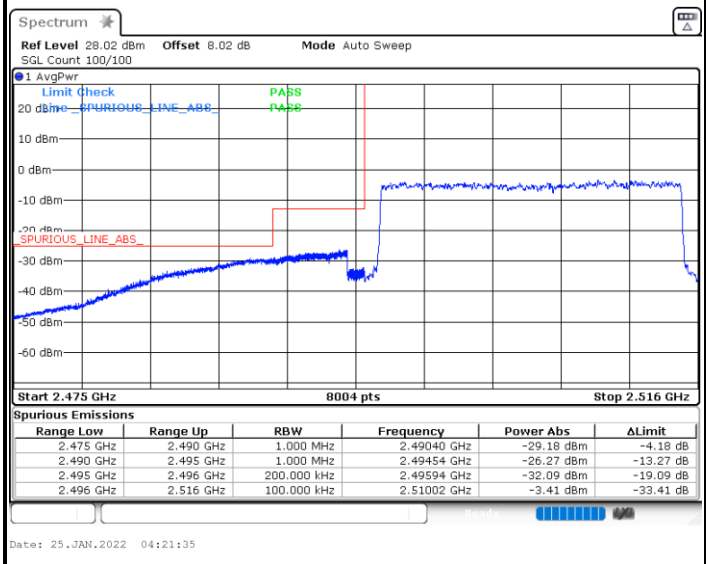


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68895 GHz	15.81 dBm	-14.19 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69003 GHz	-19.88 dBm	-9.88 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69126 GHz	-30.38 dBm	-20.38 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.70708 GHz	-41.87 dBm	-28.87 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71006 GHz	-47.36 dBm	-22.36 dB

Date: 25.JAN.2022 04:16:23

Lowest Band Edge / Full RB

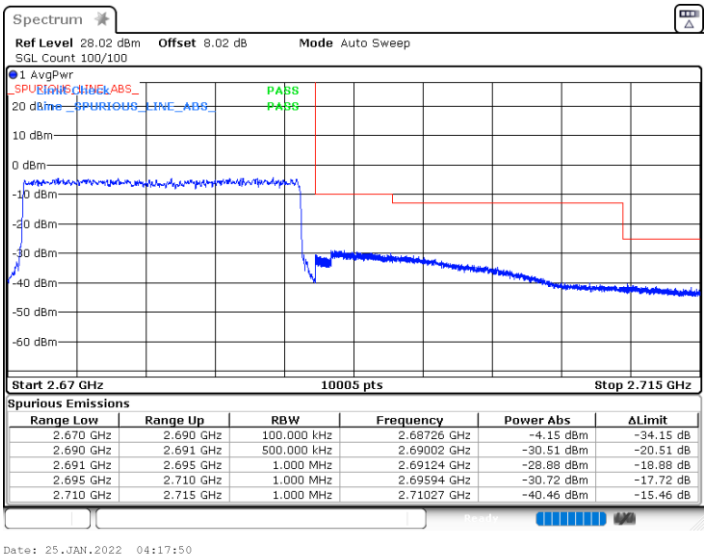


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-29.18 dBm	-4.18 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49454 GHz	-26.27 dBm	-13.27 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49594 GHz	-32.09 dBm	-19.09 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51002 GHz	-3.41 dBm	-33.41 dB

Date: 25.JAN.2022 04:21:35

Highest Band Edge / Full RB



Spurious Emissions

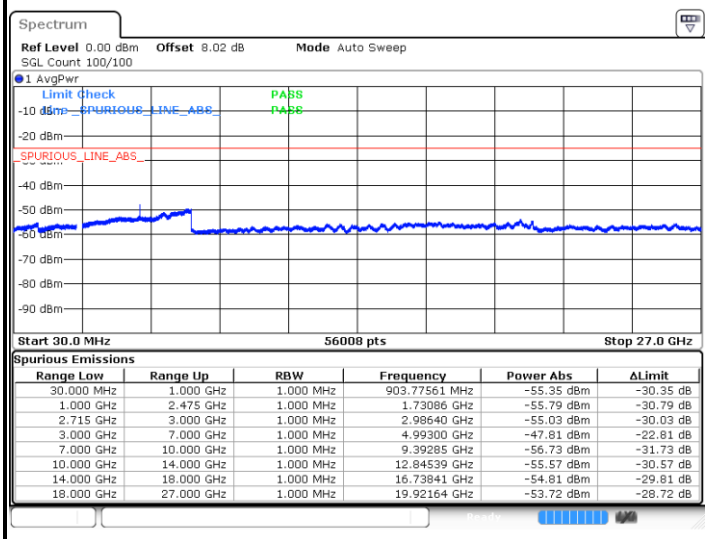
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68726 GHz	-4.15 dBm	-34.15 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69002 GHz	-30.51 dBm	-20.51 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69124 GHz	-28.88 dBm	-18.88 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69594 GHz	-30.72 dBm	-17.72 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71027 GHz	-40.46 dBm	-15.46 dB

Date: 25.JAN.2022 04:17:50

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

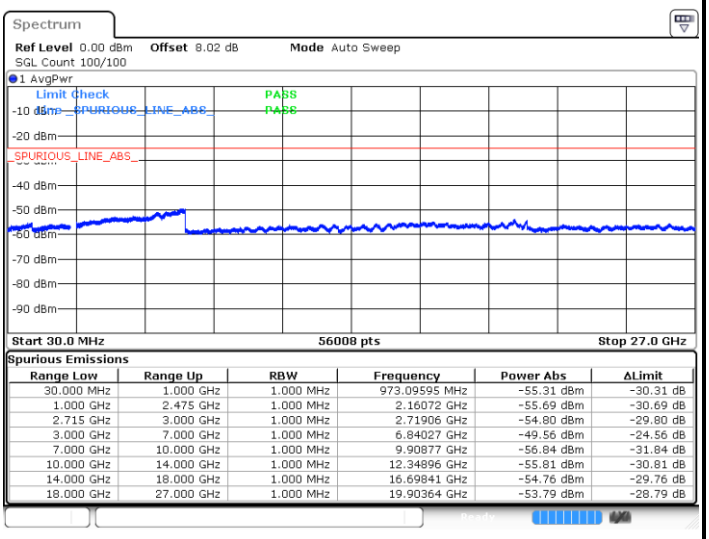


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-55.35 dBm	-30.35 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.73086 GHz	-55.79 dBm	-30.79 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98640 GHz	-55.03 dBm	-30.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99300 GHz	-47.81 dBm	-22.81 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.39285 GHz	-56.73 dBm	-31.73 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.84539 GHz	-55.57 dBm	-30.57 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.73841 GHz	-54.81 dBm	-29.81 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92164 GHz	-53.72 dBm	-28.72 dB

Date: 22.DEC.2021 08:58:53

Middle Channel / QPSK

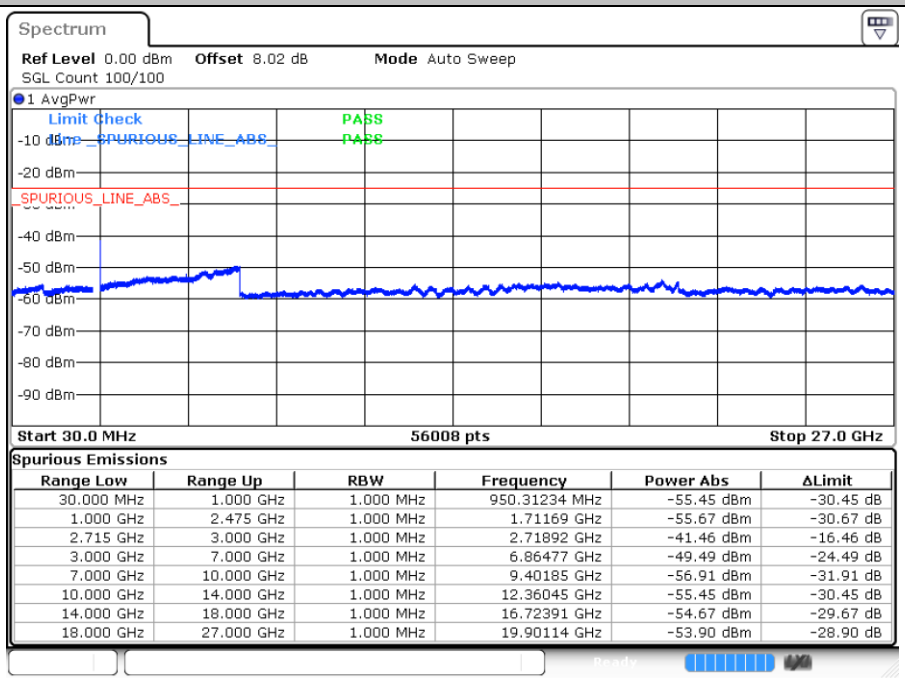


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-55.31 dBm	-30.31 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.16072 GHz	-55.69 dBm	-30.69 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71906 GHz	-54.80 dBm	-29.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84027 GHz	-49.56 dBm	-24.56 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.90877 GHz	-56.84 dBm	-31.84 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.34896 GHz	-55.81 dBm	-30.81 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.69841 GHz	-54.76 dBm	-29.76 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90364 GHz	-53.79 dBm	-28.79 dB

Date: 22.DEC.2021 09:05:37

Highest Channel / QPSK



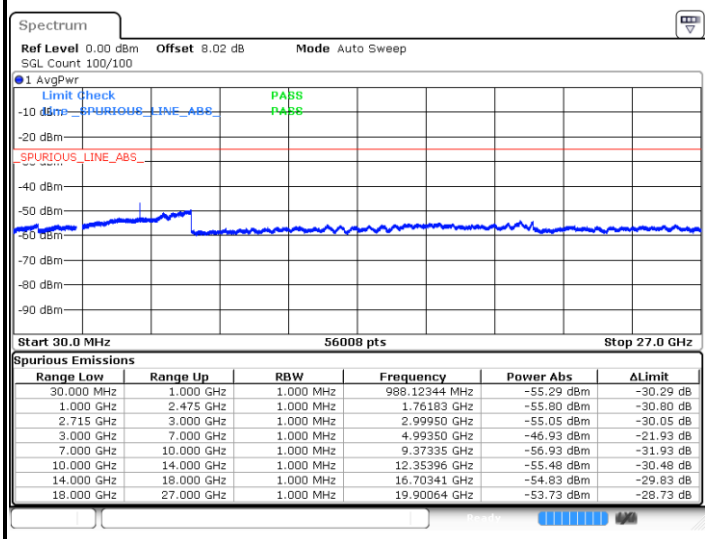
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-55.45 dBm	-30.45 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.71169 GHz	-55.67 dBm	-30.67 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71892 GHz	-41.46 dBm	-16.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86477 GHz	-49.49 dBm	-24.49 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40185 GHz	-56.91 dBm	-31.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.36045 GHz	-55.45 dBm	-30.45 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.72391 GHz	-54.67 dBm	-29.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90114 GHz	-53.90 dBm	-28.90 dB

Date: 22.DEC.2021 09:06:59

LTE Band 41 / 10MHz

Lowest Channel / QPSK

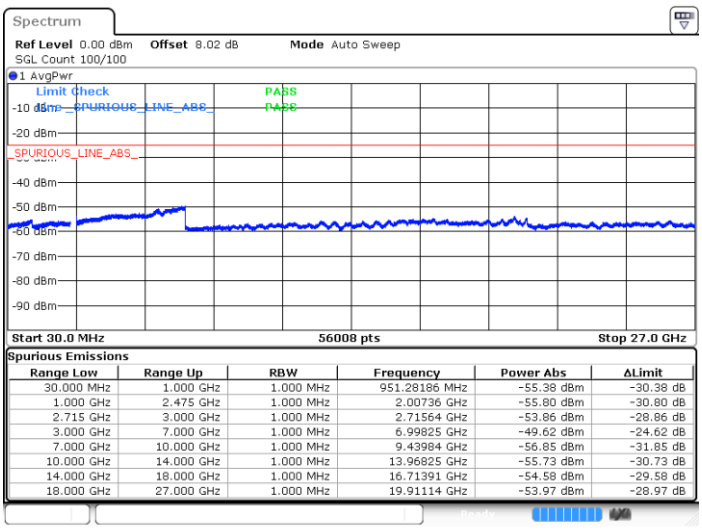


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-55.29 dBm	-30.29 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.76183 GHz	-55.80 dBm	-30.80 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99950 GHz	-55.05 dBm	-30.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99350 GHz	-46.93 dBm	-21.93 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.37335 GHz	-56.93 dBm	-31.93 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.35396 GHz	-55.48 dBm	-30.48 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.70341 GHz	-54.83 dBm	-29.83 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90064 GHz	-53.73 dBm	-28.73 dB

Date: 22.DEC.2021 09:13:52

Middle Channel / QPSK

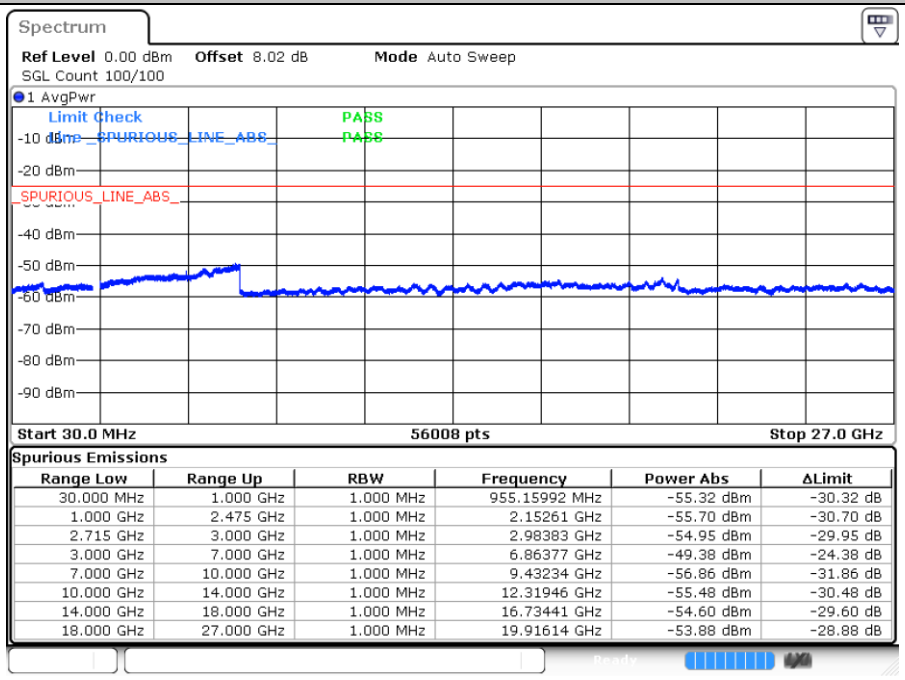


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-55.38 dBm	-30.38 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.00736 GHz	-55.80 dBm	-30.80 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71564 GHz	-53.86 dBm	-28.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-49.62 dBm	-24.62 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.43984 GHz	-56.85 dBm	-31.85 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96825 GHz	-55.73 dBm	-30.73 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.71391 GHz	-54.58 dBm	-29.58 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91114 GHz	-53.97 dBm	-28.97 dB

Date: 22.DEC.2021 09:20:36

Highest Channel / QPSK



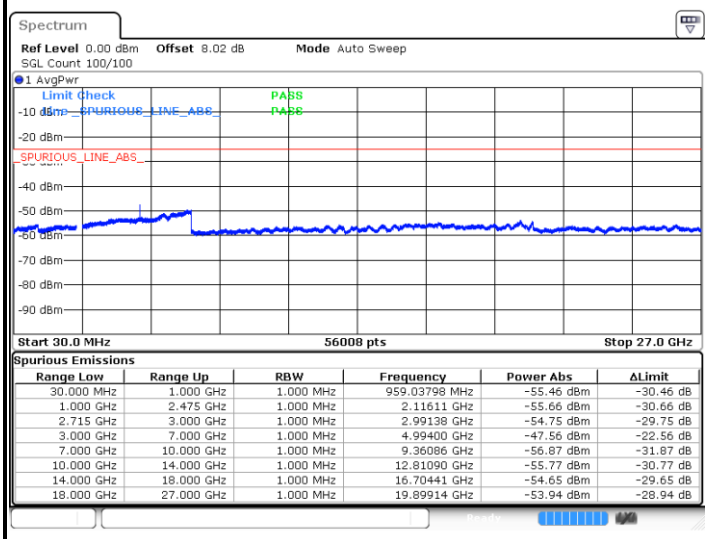
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-55.32 dBm	-30.32 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15261 GHz	-55.70 dBm	-30.70 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98383 GHz	-54.95 dBm	-29.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86377 GHz	-49.38 dBm	-24.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.43234 GHz	-56.86 dBm	-31.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.31946 GHz	-55.48 dBm	-30.48 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.73441 GHz	-54.60 dBm	-29.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91614 GHz	-53.88 dBm	-28.88 dB

Date: 22.DEC.2021 09:21:58

LTE Band 41 / 15MHz

Lowest Channel / QPSK

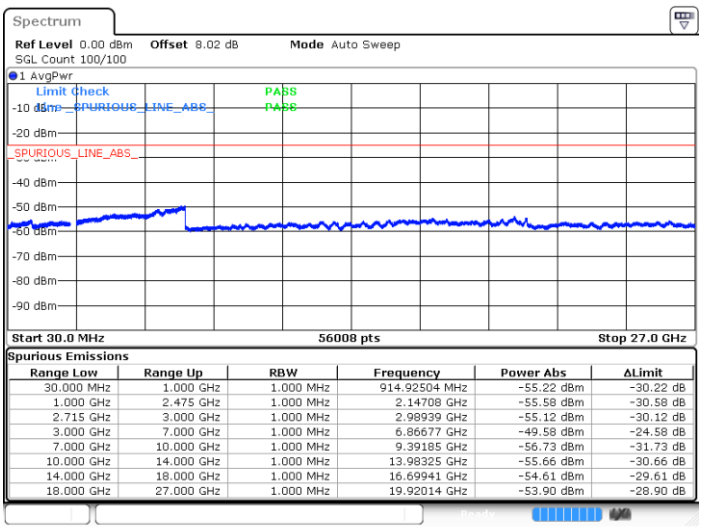


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-55.46 dBm	-30.46 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.11611 GHz	-55.66 dBm	-30.66 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99138 GHz	-54.75 dBm	-29.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99400 GHz	-47.56 dBm	-22.56 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.36086 GHz	-56.87 dBm	-31.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.81090 GHz	-55.77 dBm	-30.77 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.70441 GHz	-54.65 dBm	-29.65 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.89914 GHz	-53.94 dBm	-28.94 dB

Date: 22.DEC.2021 09:28:53

Middle Channel / QPSK

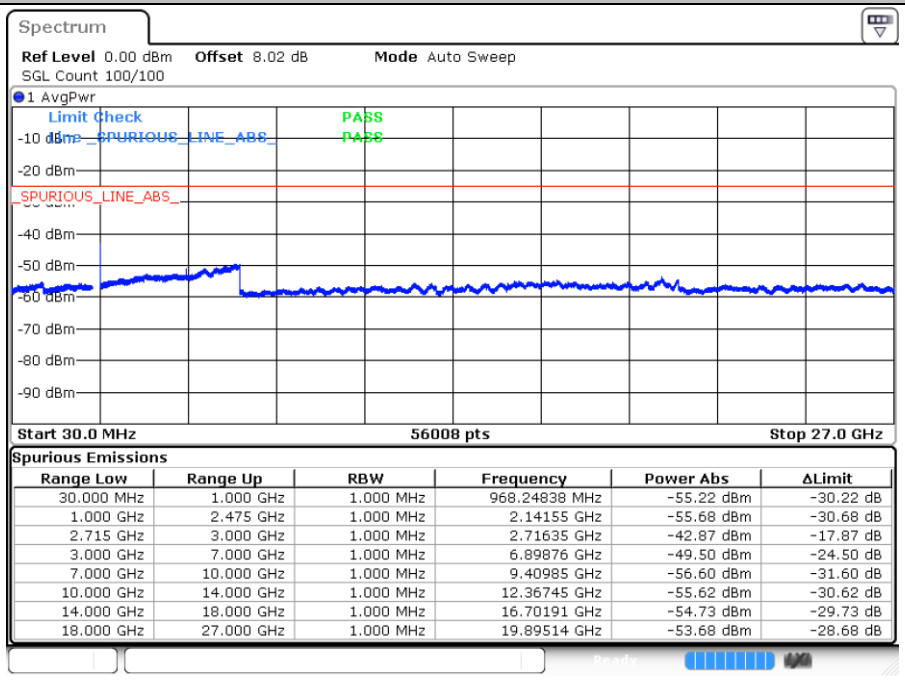


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-55.22 dBm	-30.22 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14708 GHz	-55.58 dBm	-30.58 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98939 GHz	-55.12 dBm	-30.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86677 GHz	-49.58 dBm	-24.58 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.39185 GHz	-56.73 dBm	-31.73 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98325 GHz	-55.66 dBm	-30.66 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.69941 GHz	-54.61 dBm	-29.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92014 GHz	-53.90 dBm	-28.90 dB

Date: 22.DEC.2021 09:35:38

Highest Channel / QPSK



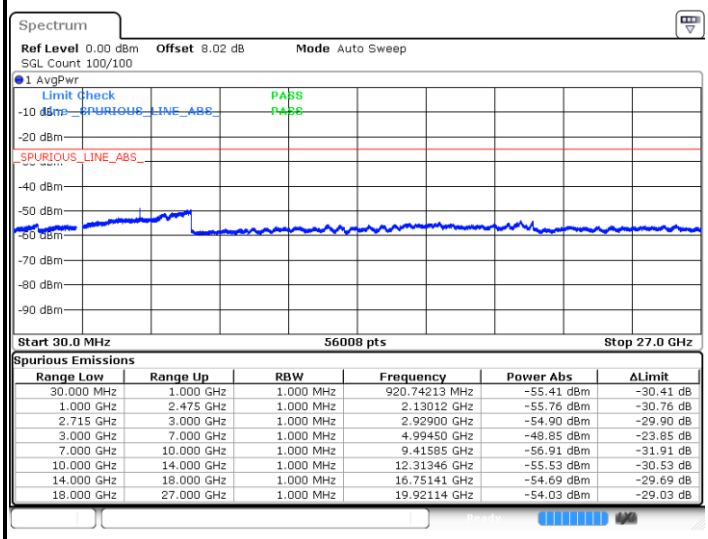
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.24838 MHz	-55.22 dBm	-30.22 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.14155 GHz	-55.68 dBm	-30.68 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71635 GHz	-42.87 dBm	-17.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89876 GHz	-49.50 dBm	-24.50 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40985 GHz	-56.60 dBm	-31.60 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.36745 GHz	-55.62 dBm	-30.62 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.70191 GHz	-54.73 dBm	-29.73 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.89514 GHz	-53.68 dBm	-28.68 dB

Date: 22.DEC.2021 09:37:00

LTE Band 41 / 20MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-55.41 dBm	-30.41 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.13012 GHz	-55.76 dBm	-30.76 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.92900 GHz	-54.90 dBm	-29.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99450 GHz	-48.85 dBm	-23.85 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.41585 GHz	-56.91 dBm	-31.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.31346 GHz	-55.53 dBm	-30.53 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.75141 GHz	-54.69 dBm	-29.69 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.92114 GHz	-54.03 dBm	-29.03 dB

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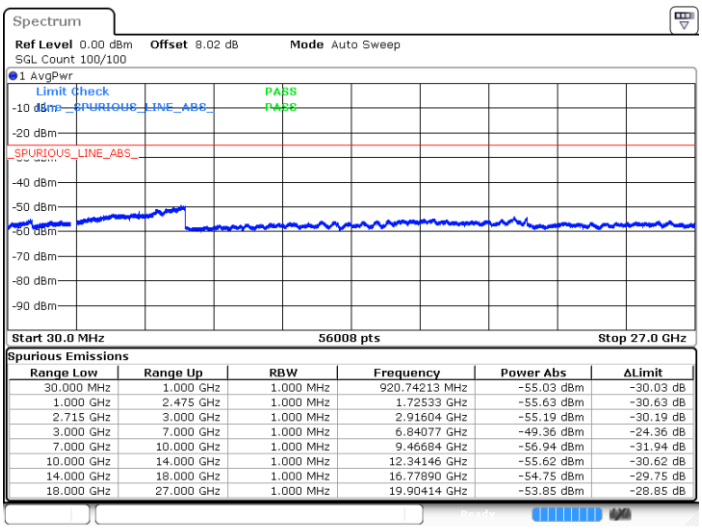
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-55.03 dBm	-30.03 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.72533 GHz	-55.63 dBm	-30.63 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.91604 GHz	-55.19 dBm	-30.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84077 GHz	-49.36 dBm	-24.36 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.46684 GHz	-56.94 dBm	-31.94 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.34146 GHz	-55.62 dBm	-30.62 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.77890 GHz	-54.75 dBm	-29.75 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.90414 GHz	-53.85 dBm	-28.85 dB

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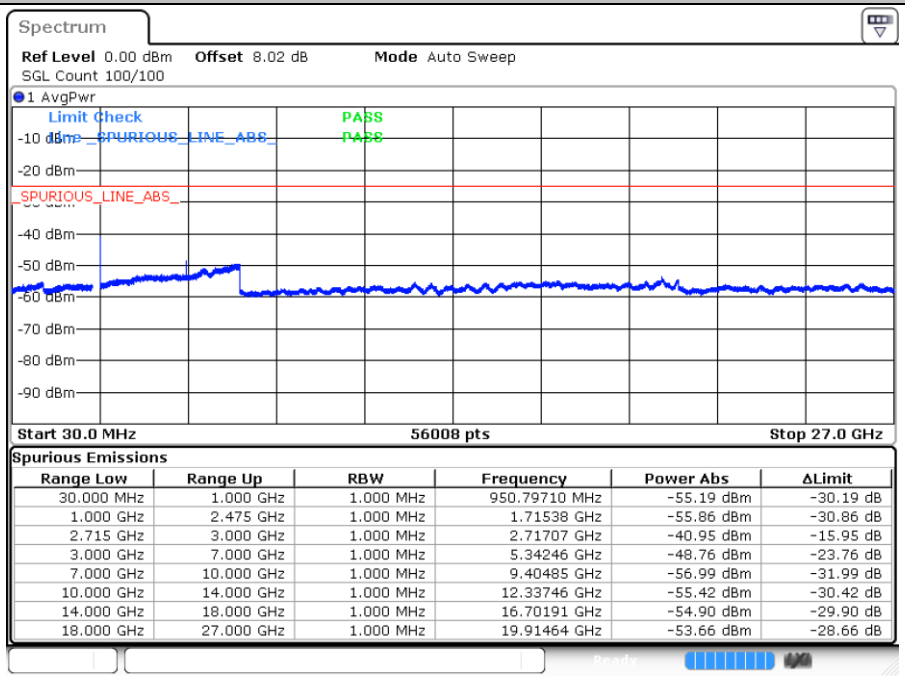
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.79710 MHz	-55.19 dBm	-30.19 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.71538 GHz	-55.86 dBm	-30.86 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71707 GHz	-40.95 dBm	-15.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.34246 GHz	-48.76 dBm	-23.76 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.40485 GHz	-56.99 dBm	-31.99 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.33746 GHz	-55.42 dBm	-30.42 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.70191 GHz	-54.90 dBm	-29.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.91464 GHz	-53.66 dBm	-28.66 dB

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Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23℃
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / 16QAM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-55.62	-13	-42.62	-67.88	2.64	14.90	H
	5613	-53.91	-13	-40.91	-65.77	2.94	14.80	H
	7488	-51.94	-13	-38.94	-61.71	3.39	13.16	H
	3741	-55.29	-13	-42.29	-67.55	2.64	14.90	V
	5613	-54.53	-13	-41.53	-66.39	2.94	14.80	V
	7488	-52.25	-13	-39.25	-62.02	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 20MHz / 16QAM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-56.55	-13	-43.55	-67.29	2.604	13.34	H
	5175	-52.91	-13	-39.91	-63.42	3.011	13.52	H
	6900	-54.11	-13	-41.11	-64.31	3.271	13.47	H
	3450	-54.83	-13	-41.83	-65.57	2.604	13.34	V
	5175	-52.85	-13	-39.85	-63.36	3.011	13.52	V
	6900	-53.93	-13	-40.93	-64.13	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 5 / 10MHz / 16QAM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-59.34	-13	-46.34	-66.31	1.58	10.70	H
	2482	-33.66	-13	-20.66	-41.91	2.102	12.50	H
	3312	-59.84	-13	-46.84	-68.73	2.856	13.90	H
	1656	-61.61	-13	-48.61	-68.58	1.58	10.70	V
	2482	-33.28	-13	-20.28	-41.53	2.10	12.50	V
	3312	-59.48	-13	-46.48	-68.37	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5050	-42.58	-25	-17.58	-52.79	3.03	13.24	H
	7584	-61.69	-25	-36.69	-71.14	3.56	13.01	H
	10104	-61.22	-25	-36.22	-70.74	3.92	13.44	H
	5050	-34.84	-25	-9.84	-45.05	3.03	13.24	V
	7584	-62.83	-25	-37.83	-72.28	3.56	13.01	V
	10104	-61.76	-25	-36.76	-71.28	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-33.20	-25	-8.20	-43.41	3.03	13.24	H
	7752	-54.73	-25	-29.73	-64.18	3.56	13.01	H
	10340	-57.04	-25	-32.04	-66.56	3.92	13.44	H
	5168	-28.55	-25	-3.55	-38.76	3.03	13.24	V
	7752	-59.66	-25	-34.66	-69.11	3.56	13.01	V
	10340	-59.21	-25	-34.21	-68.73	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Co-location Mode

LTE B41 BW=20MHz Link + BLE CH39 Tx

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
WWAN + BLE		4960	44.37	-29.63	74	59.14	34.81	10.43	60.01	300	0	P	H
		7440	44.47	-29.53	74	55.54	36.59	12.88	60.54	300	0	P	H
		4960	42.98	-31.02	74	57.75	34.81	10.43	60.01	100	0	P	V
		7440	44.84	-29.16	74	55.91	36.59	12.88	60.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

LTE B41 BW=20MHz Link + WLAN 2.4GHz 11b CH01 Tx

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
WWAN + WLAN		4830	48.61	-25.39	74	69.54	33.58	10.24	64.75	300	0	P	H
		7230	53.78	-31.68	85.46	69.69	35.39	12.67	63.97	300	0	P	H
		4830	43.75	-30.25	74	64.68	33.58	10.24	64.75	100	0	P	V
		7230	55.92	-25.52	81.44	71.83	35.39	12.67	63.97	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												