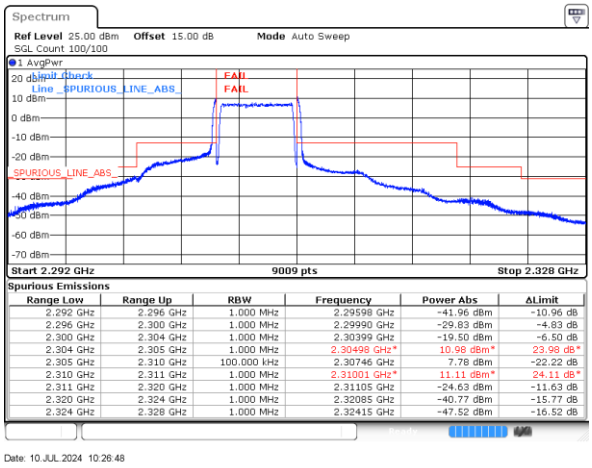
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / Full RB

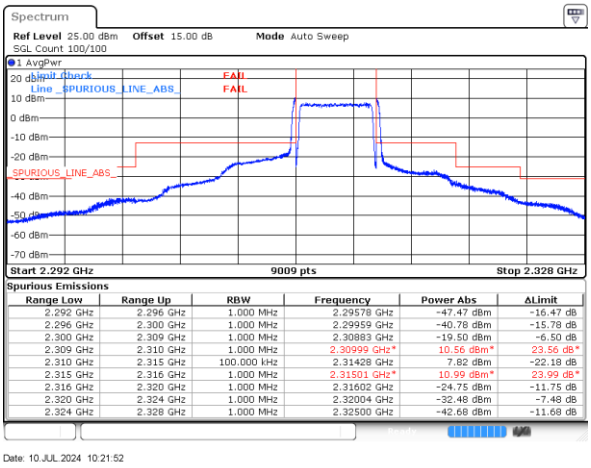


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29598 GHz	-41.96 dBm	-10.96 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29990 GHz	-29.83 dBm	-4.83 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30399 GHz	-19.50 dBm	-6.50 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30498 GHz*	10.98 dBm*	23.98 dB*
2.305 GHz	2.310 GHz	100.000 kHz	2.30746 GHz	7.78 dBm	-22.22 dB
2.310 GHz	2.311 GHz	1.000 MHz	2.31001 GHz*	11.11 dBm*	24.11 dB*
2.311 GHz	2.320 GHz	1.000 MHz	2.31105 GHz	-24.63 dBm	-11.63 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32085 GHz	-40.77 dBm	-15.77 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32415 GHz	-47.52 dBm	-16.52 dB

Date: 10.JUL.2024 10:26:48

Highest Band Edge / Full RB

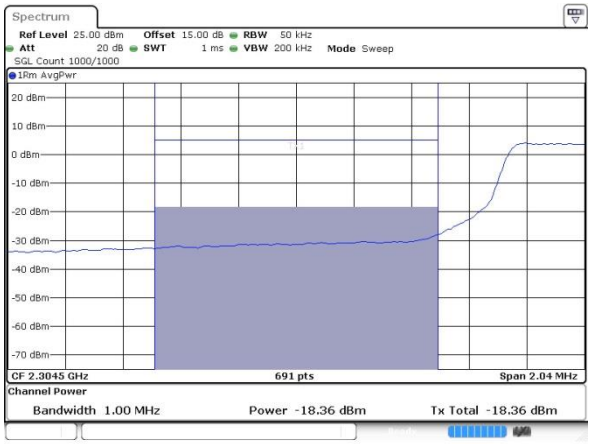


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29578 GHz	-47.47 dBm	-16.47 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29959 GHz	-40.78 dBm	-15.78 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.30883 GHz	-19.50 dBm	-6.50 dB
2.309 GHz	2.310 GHz	1.000 MHz	2.30999 GHz*	10.56 dBm*	23.56 dB*
2.310 GHz	2.315 GHz	100.000 kHz	2.31428 GHz	7.82 dBm	-22.18 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31501 GHz*	10.99 dBm*	23.99 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31602 GHz	-24.75 dBm	-11.75 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32004 GHz	-32.48 dBm	-7.48 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32500 GHz	-42.68 dBm	-11.68 dB

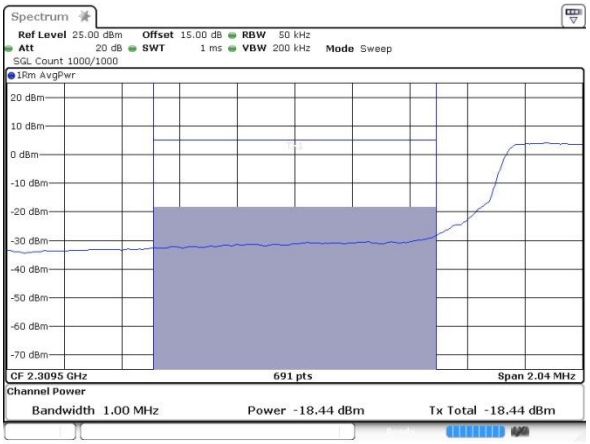
Date: 10.JUL.2024 10:21:52

Lowest Band Edge / Full RB / Lower zoom in



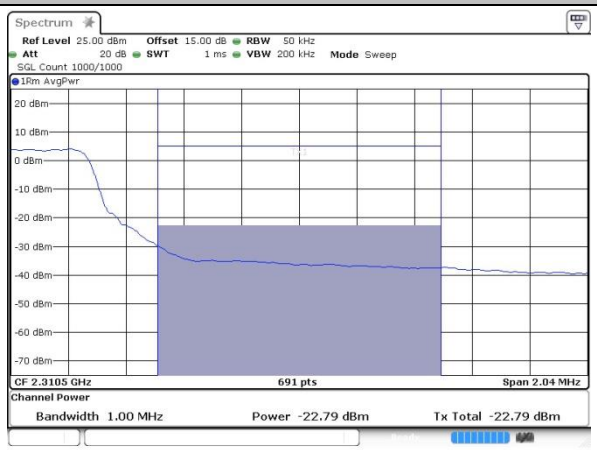
Date: 10.JUL.2024 10:27:45

Highest Band Edge / Full RB / Lower zoom in



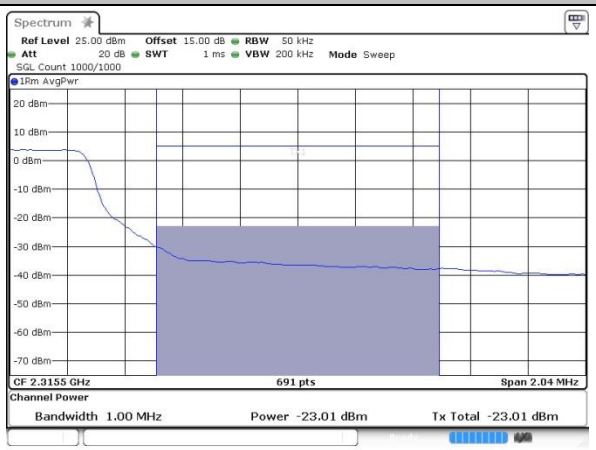
Date: 10.JUL.2024 10:22:10

Lowest Band Edge / Full RB / Upper zoom in



Date: 10.JUL.2024 10:27:55

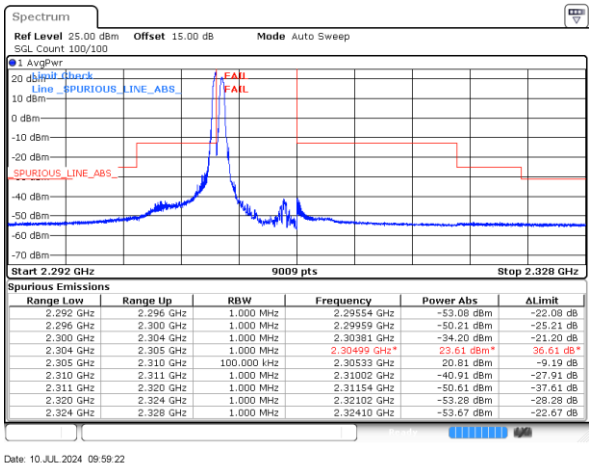
Highest Band Edge / Full RB / Upper zoom in



Date: 10.JUL.2024 10:22:22

LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

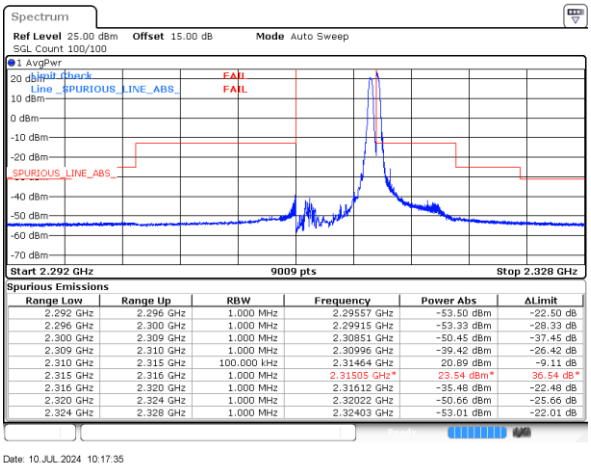


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29554 GHz	-53.08 dBm	-22.08 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29959 GHz	-50.21 dBm	-25.21 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30381 GHz	-34.20 dBm	-21.20 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30499 GHz*	23.61 dBm*	36.61 dB*
2.305 GHz	2.310 GHz	100.000 kHz	2.30533 GHz	20.81 dBm	-9.19 dB
2.310 GHz	2.311 GHz	1.000 MHz	2.31002 GHz	-40.91 dBm	-27.91 dB
2.311 GHz	2.320 GHz	1.000 MHz	2.31154 GHz	-50.61 dBm	-37.61 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32102 GHz	-53.28 dBm	-28.28 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32410 GHz	-53.67 dBm	-22.67 dB

Date: 10.JUL.2024 09:59:22

Highest Band Edge / 1 RB

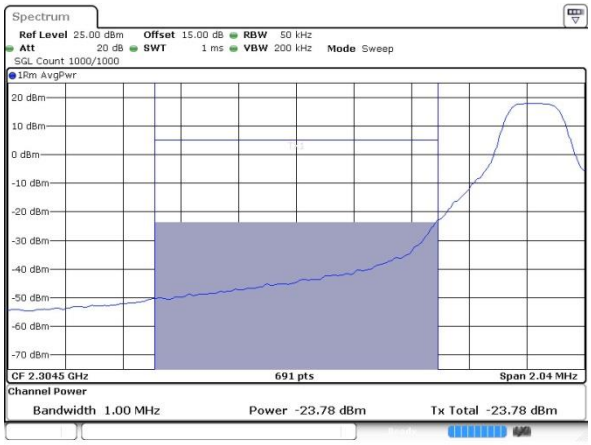


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29557 GHz	-53.50 dBm	-22.50 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29915 GHz	-53.33 dBm	-28.33 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.30851 GHz	-50.45 dBm	-37.45 dB
2.309 GHz	2.310 GHz	1.000 MHz	2.30996 GHz	-39.42 dBm	-26.42 dB
2.310 GHz	2.315 GHz	100.000 kHz	2.31464 GHz	20.89 dBm	-9.11 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31505 GHz*	23.54 dBm*	36.54 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31612 GHz	-35.48 dBm	-22.48 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32022 GHz	-50.66 dBm	-25.66 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32403 GHz	-53.01 dBm	-22.01 dB

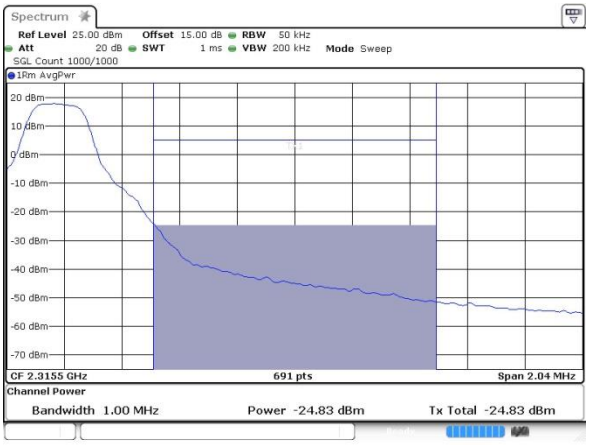
Date: 10.JUL.2024 10:17:35

Lowest Band Edge / 1 RB / Lower zoom in



Date: 10.JUL.2024 09:59:37

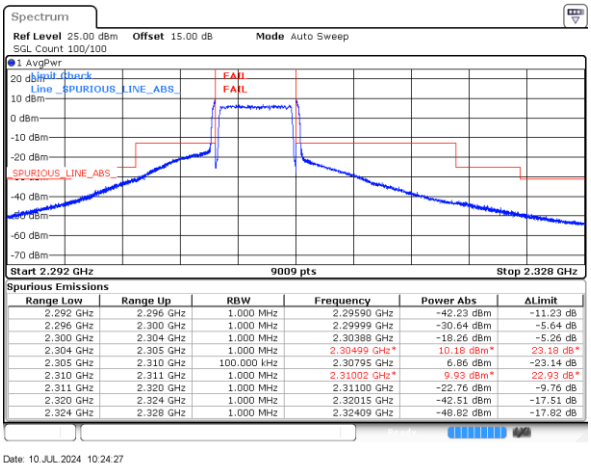
Highest Band Edge / 1 RB / Lower zoom in



Date: 10.JUL.2024 10:17:52

LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / Full RB

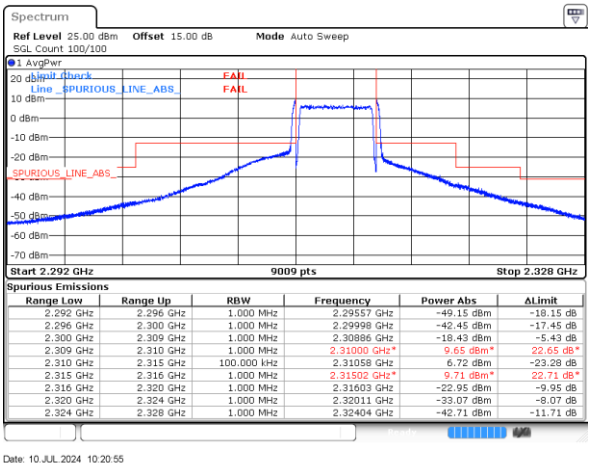


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29590 GHz	-42.23 dBm	-11.23 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29999 GHz	-30.64 dBm	-5.64 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30388 GHz	-18.26 dBm	-5.26 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30499 GHz*	10.18 dBm*	23.18 dB*
2.305 GHz	2.310 GHz	100.000 kHz	2.30795 GHz	6.86 dBm	-23.14 dB
2.310 GHz	2.311 GHz	1.000 MHz	2.31002 GHz*	9.93 dBm*	22.93 dB*
2.311 GHz	2.320 GHz	1.000 MHz	2.31100 GHz	-22.76 dBm	-9.76 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32015 GHz	-42.51 dBm	-17.51 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32409 GHz	-48.82 dBm	-17.82 dB

Date: 10.JUL.2024 10:24:27

Highest Band Edge / Full RB

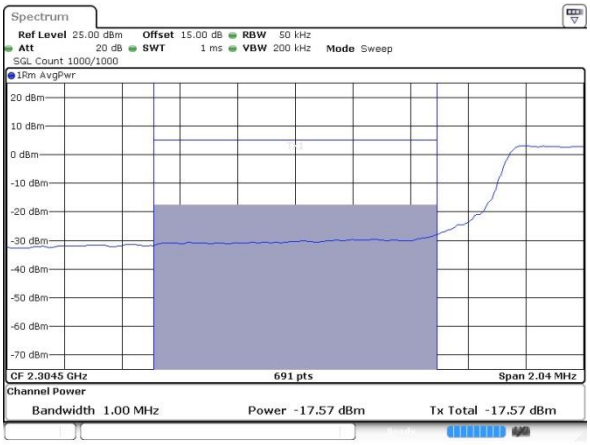


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29557 GHz	-49.15 dBm	-18.15 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29998 GHz	-42.45 dBm	-17.45 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.30886 GHz	-18.43 dBm	-5.43 dB
2.309 GHz	2.310 GHz	1.000 MHz	2.31000 GHz*	9.65 dBm*	22.65 dB*
2.310 GHz	2.315 GHz	100.000 kHz	2.31058 GHz	6.72 dBm	-23.28 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31502 GHz*	9.71 dBm*	22.71 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31603 GHz	-22.95 dBm	-9.95 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32011 GHz	-33.07 dBm	-8.07 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32404 GHz	-42.71 dBm	-11.71 dB

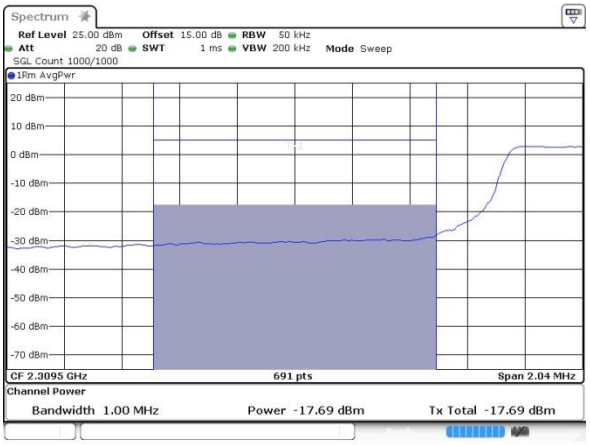
Date: 10.JUL.2024 10:20:55

Lowest Band Edge / Full RB / Lower zoom in



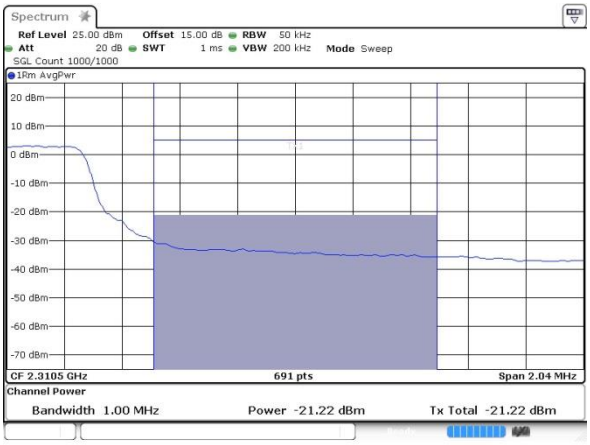
Date: 10.JUL.2024 10:24:58

Highest Band Edge / Full RB / Lower zoom in



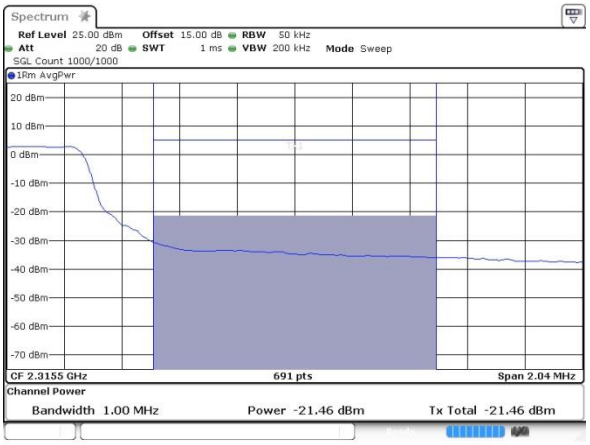
Date: 10.JUL.2024 10:21:22

Lowest Band Edge / Full RB / Upper zoom in



Date: 10.JUL.2024 10:25:09

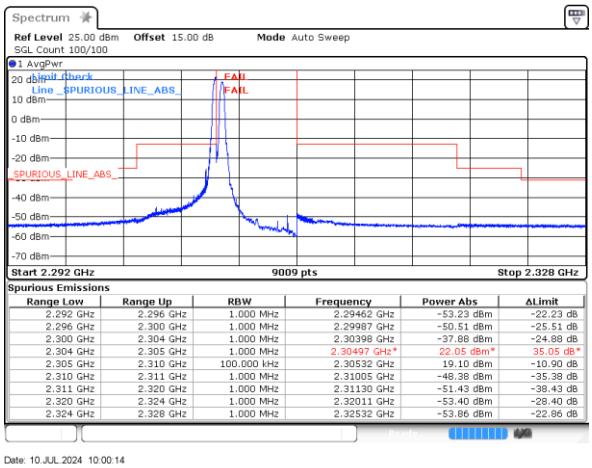
Highest Band Edge / Full RB / Upper zoom in



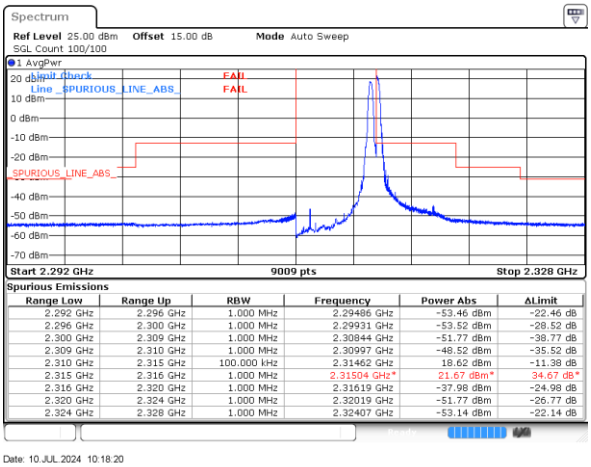
Date: 10.JUL.2024 10:21:13

LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

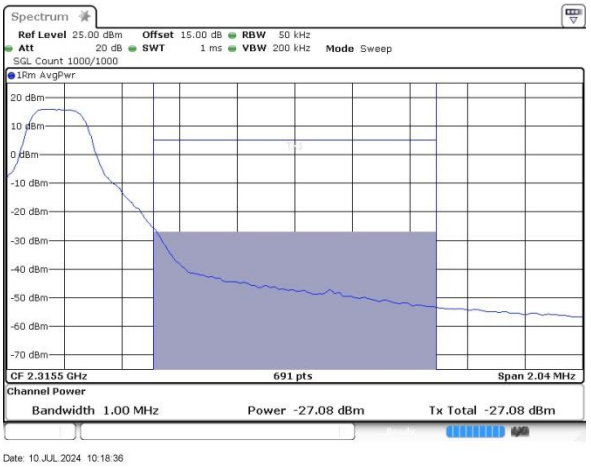


Highest Band Edge / 1 RB



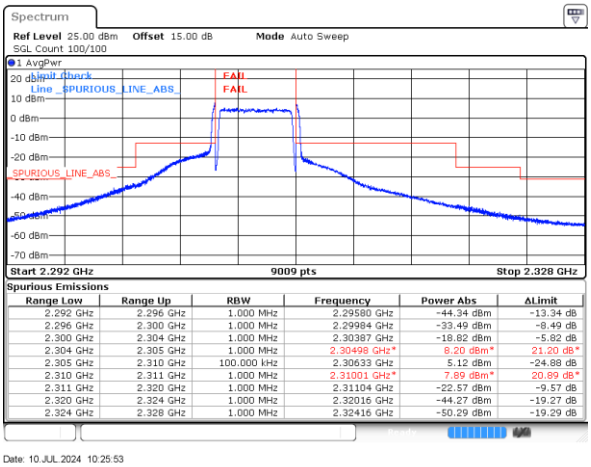
Lowest Band Edge / 1 RB / Lower zoom in

Highest Band Edge / 1 RB / Lower zoom in



LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / Full RB

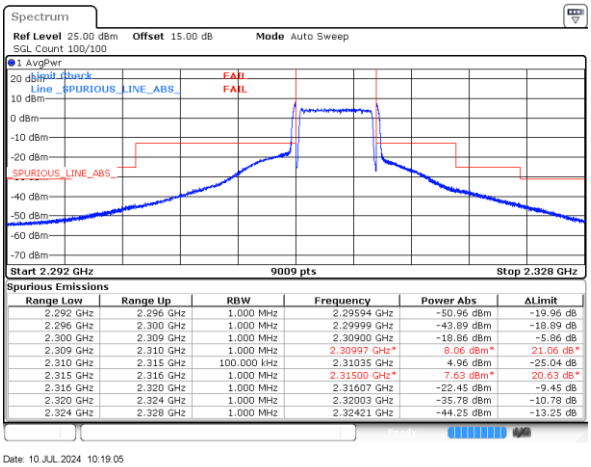


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29580 GHz	-44.34 dBm	-13.34 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29984 GHz	-33.49 dBm	-8.49 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30387 GHz	-18.82 dBm	-5.82 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30498 GHz*	8.20 dBm*	21.20 dB*
2.305 GHz	2.310 GHz	100.000 kHz	2.30633 GHz	5.12 dBm	-24.88 dB
2.310 GHz	2.311 GHz	1.000 MHz	2.31001 GHz*	7.89 dBm*	20.89 dB*
2.311 GHz	2.320 GHz	1.000 MHz	2.31104 GHz	-22.57 dBm	-9.57 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32016 GHz	-44.27 dBm	-19.27 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32416 GHz	-50.29 dBm	-19.29 dB

Date: 10.JUL.2024 10:25:53

Highest Band Edge / Full RB

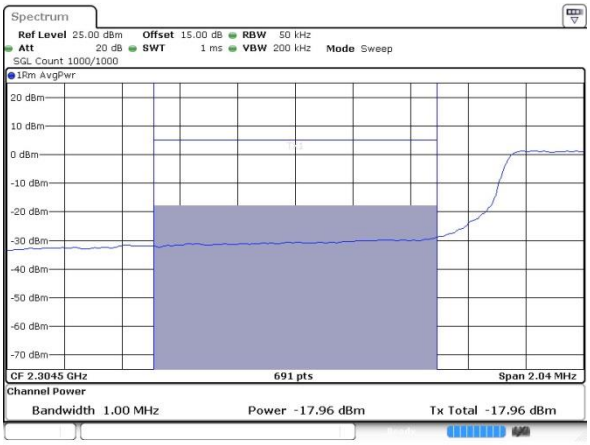


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29594 GHz	-50.96 dBm	-19.96 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29999 GHz	-43.89 dBm	-18.89 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.30900 GHz	-18.86 dBm	-5.86 dB
2.309 GHz	2.310 GHz	1.000 MHz	2.30997 GHz*	8.06 dBm*	21.06 dB*
2.310 GHz	2.315 GHz	100.000 kHz	2.31035 GHz	4.96 dBm	-25.04 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31500 GHz*	7.63 dBm*	20.63 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31607 GHz	-22.45 dBm	-9.45 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32003 GHz	-35.78 dBm	-10.78 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32421 GHz	-44.25 dBm	-13.25 dB

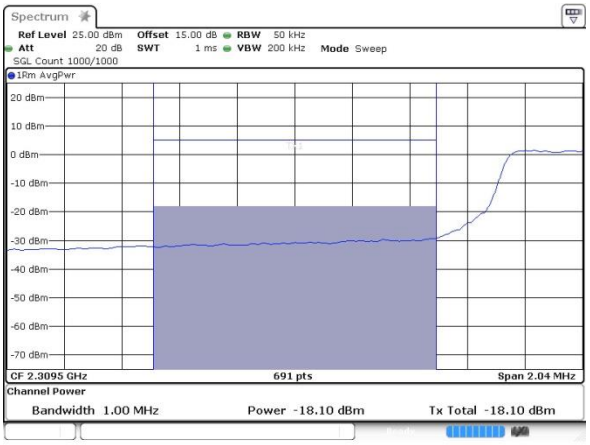
Date: 10.JUL.2024 10:19:05

Lowest Band Edge / Full RB / Lower zoom in



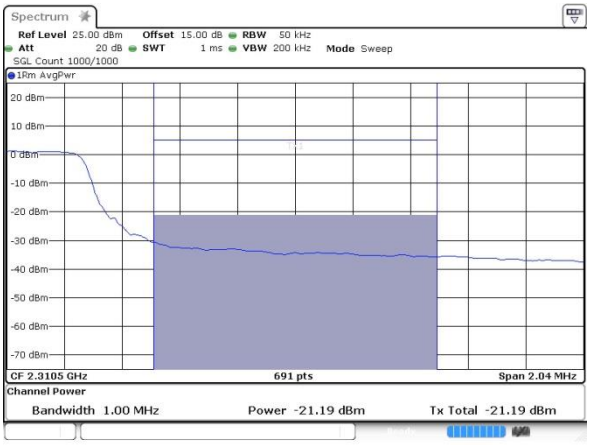
Date: 10.JUL.2024 10:26:09

Highest Band Edge / Full RB / Lower zoom in



Date: 10.JUL.2024 10:19:58

Lowest Band Edge / Full RB / Upper zoom in



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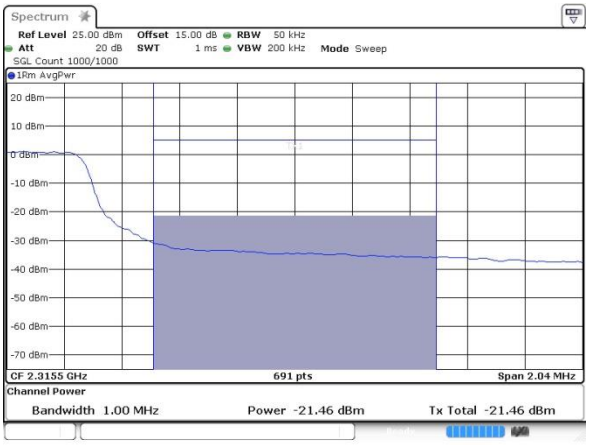
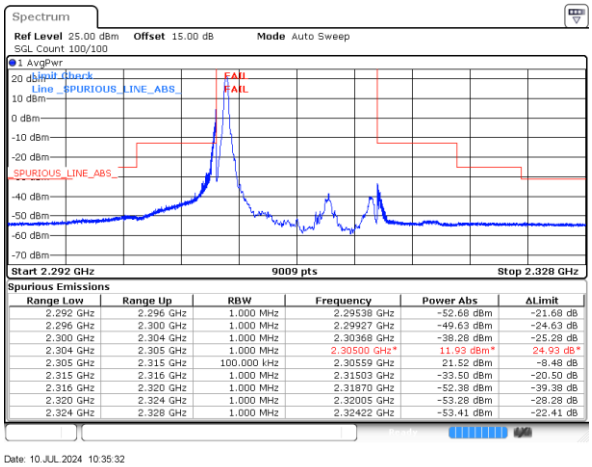
Highest Band Edge / Full RB / Upper zoom in



Date: 10.JUL.2024 10:20:09

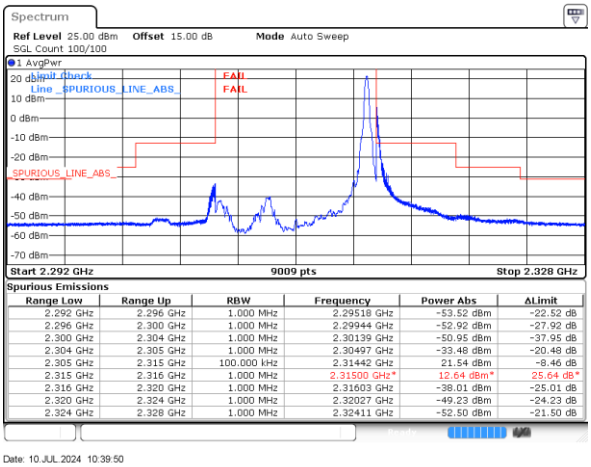
LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / 1 RB



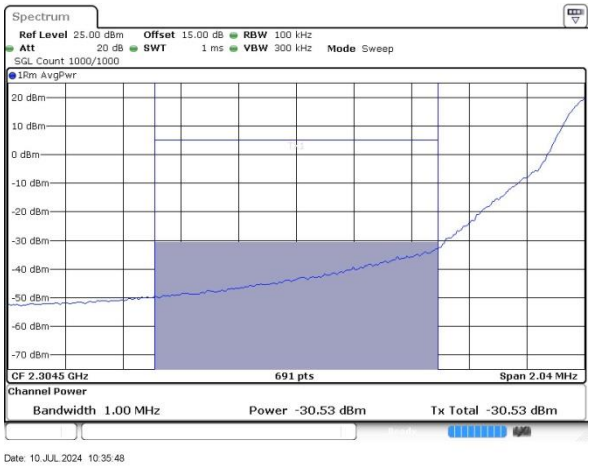
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29538 GHz	-52.68 dBm	-21.68 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29927 GHz	-49.63 dBm	-24.63 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30368 GHz	-38.28 dBm	-25.28 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30500 GHz*	11.93 dBm*	24.93 dB*
2.305 GHz	2.315 GHz	100.000 kHz	2.30559 GHz	21.52 dBm	-8.48 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31503 GHz	-33.50 dBm	-20.50 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.31870 GHz	-52.38 dBm	-39.38 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32005 GHz	-53.28 dBm	-28.28 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32422 GHz	-53.41 dBm	-22.41 dB

Highest Band Edge / 1 RB

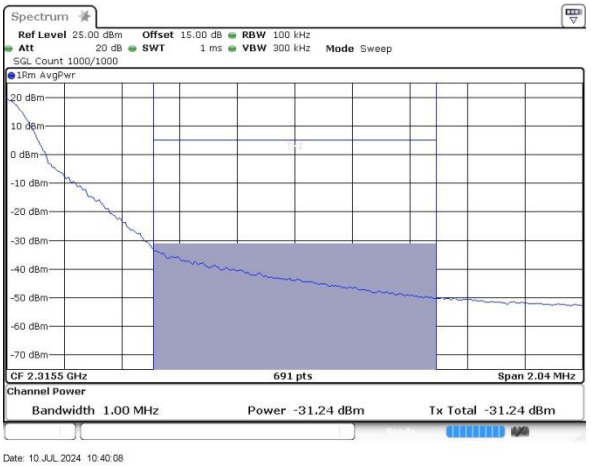


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29518 GHz	-53.52 dBm	-22.52 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29944 GHz	-52.92 dBm	-27.92 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30139 GHz	-50.95 dBm	-37.95 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30497 GHz	-33.48 dBm	-20.48 dB
2.305 GHz	2.315 GHz	100.000 kHz	2.31442 GHz	21.54 dBm	-8.46 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31500 GHz*	12.64 dBm*	25.64 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31603 GHz	-38.01 dBm	-25.01 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32027 GHz	-49.23 dBm	-24.23 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32411 GHz	-52.50 dBm	-21.50 dB

Lowest Band Edge / 1 RB / Lower zoom in

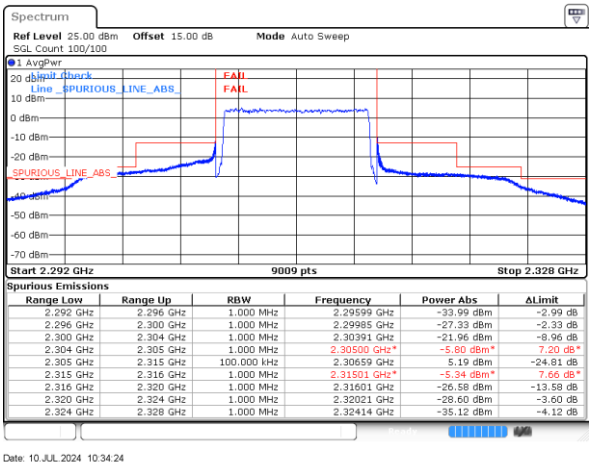


Highest Band Edge / 1 RB / Lower zoom in



LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / Full RB

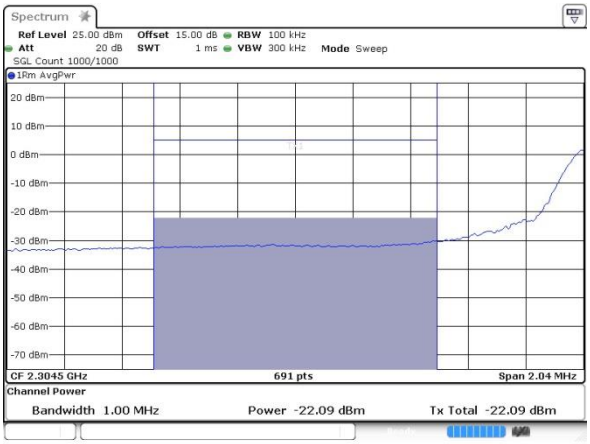


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29599 GHz	-33.99 dBm	-2.99 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29985 GHz	-27.33 dBm	-2.33 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30391 GHz	-21.96 dBm	-8.96 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30500 GHz*	-5.80 dBm*	7.20 dB*
2.305 GHz	2.315 GHz	100.000 kHz	2.30659 GHz	5.19 dBm	-24.81 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31501 GHz*	-5.34 dBm*	7.66 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31601 GHz	-26.58 dBm	-13.58 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32021 GHz	-28.60 dBm	-3.60 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32414 GHz	-35.12 dBm	-4.12 dB

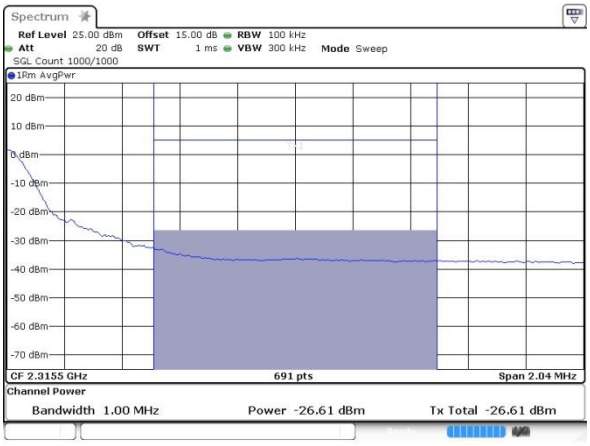
Date: 10.JUL.2024 10:34:24

Lowest Band Edge / Full RB / Lower zoom in



Date: 10.JUL.2024 10:34:42

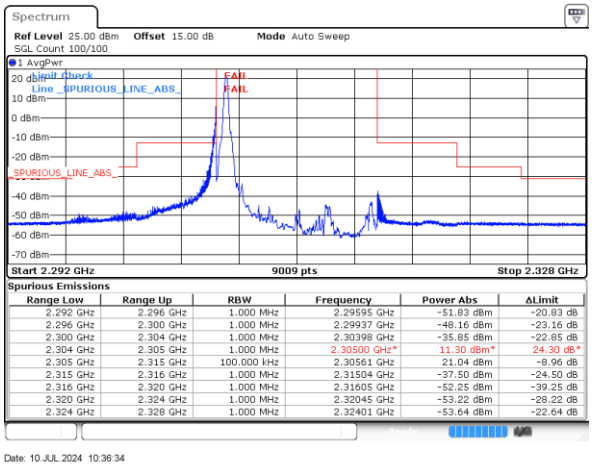
Lowest Band Edge / Full RB / Upper zoom in



Date: 10.JUL.2024 10:34:57

LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

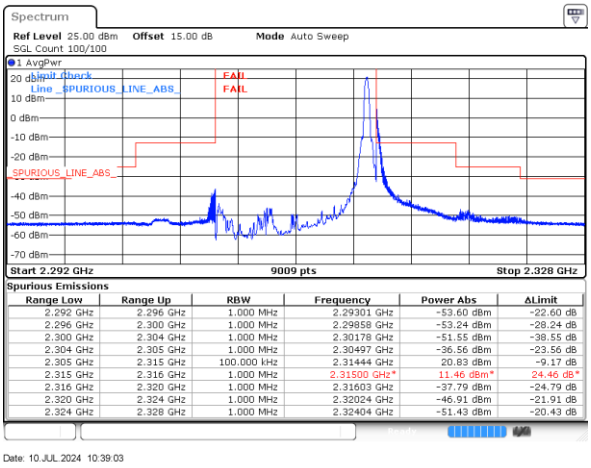


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29595 GHz	-51.83 dBm	-20.83 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29937 GHz	-48.16 dBm	-23.16 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30398 GHz	-35.85 dBm	-22.85 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30500 GHz*	11.30 dBm*	24.30 dB*
2.305 GHz	2.315 GHz	100.000 kHz	2.30561 GHz	21.04 dBm	-8.96 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31504 GHz	-37.50 dBm	-24.50 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.31605 GHz	-52.25 dBm	-39.25 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32045 GHz	-53.22 dBm	-28.22 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32401 GHz	-53.64 dBm	-22.64 dB

Date: 10.JUL.2024 10:36:34

Highest Band Edge / 1 RB

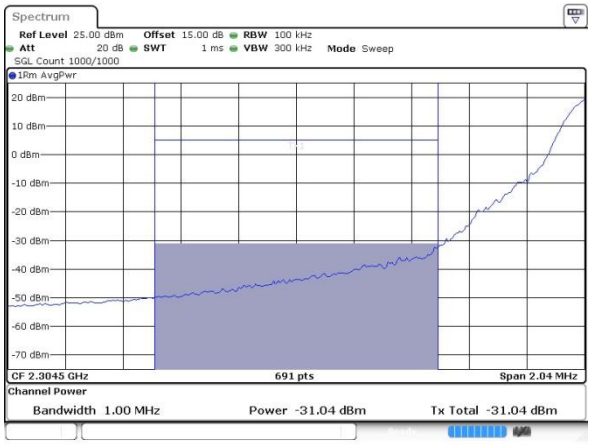


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29301 GHz	-53.60 dBm	-22.60 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29858 GHz	-53.24 dBm	-28.24 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30178 GHz	-51.55 dBm	-38.55 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30497 GHz	-36.56 dBm	-23.56 dB
2.305 GHz	2.315 GHz	100.000 kHz	2.31444 GHz	20.83 dBm	-9.17 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31500 GHz*	11.46 dBm*	24.46 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31603 GHz	-37.79 dBm	-24.79 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32024 GHz	-46.91 dBm	-21.91 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32404 GHz	-51.43 dBm	-20.43 dB

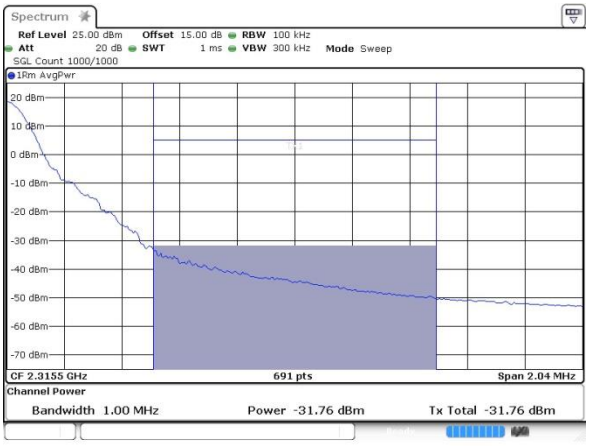
Date: 10.JUL.2024 10:39:03

Lowest Band Edge / 1 RB / Lower zoom in



Date: 10.JUL.2024 10:36:49

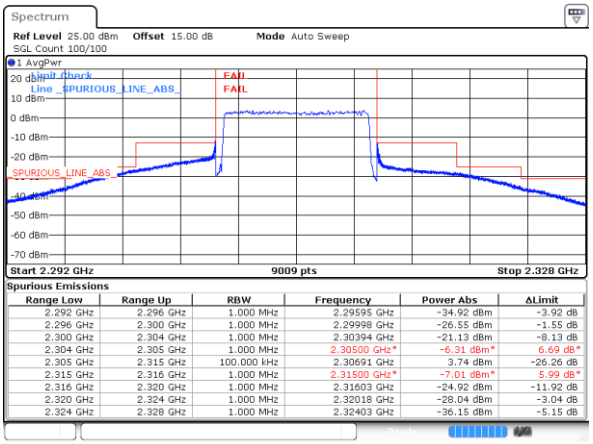
Highest Band Edge / 1 RB / Lower zoom in



Date: 10.JUL.2024 10:39:19

LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / Full RB

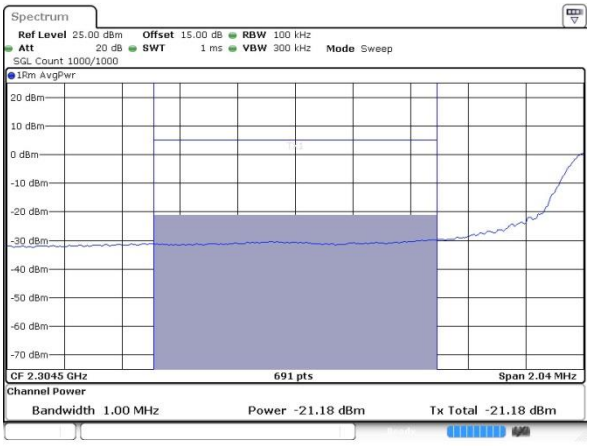


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29595 GHz	-34.92 dBm	-3.92 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29998 GHz	-26.55 dBm	-1.55 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30394 GHz	-21.13 dBm	-8.13 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30500 GHz*	-6.31 dBm*	6.69 dB*
2.305 GHz	2.315 GHz	100.000 kHz	2.30691 GHz	3.74 dBm	-26.26 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31500 GHz*	-7.01 dBm*	5.99 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31603 GHz	-24.92 dBm	-11.92 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32018 GHz	-28.04 dBm	-3.04 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32403 GHz	-36.15 dBm	-5.15 dB

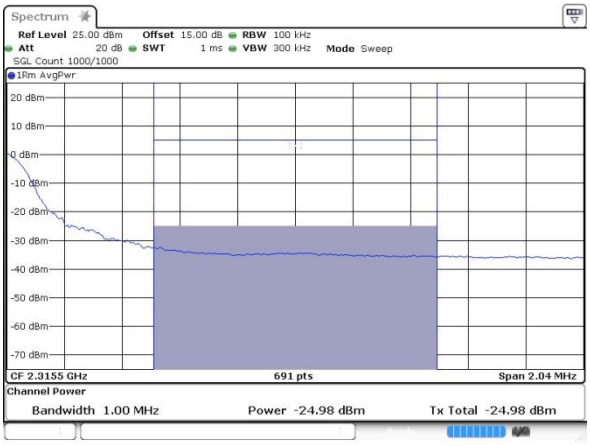
Date: 10.JUL.2024 10:31:20

Lowest Band Edge / Full RB / Lower zoom in



Date: 10.JUL.2024 10:32:09

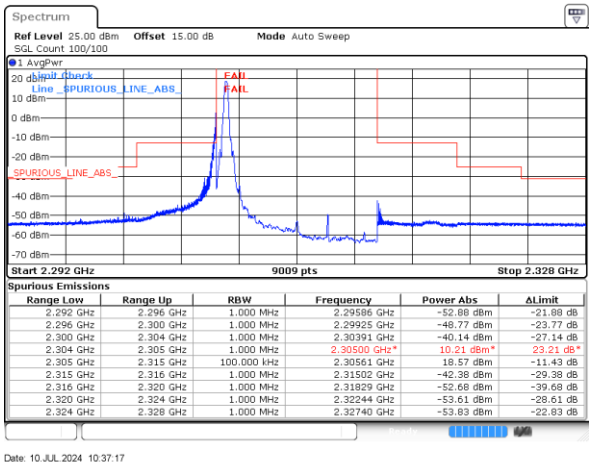
Lowest Band Edge / Full RB / Upper zoom in



Date: 10.JUL.2024 10:32:56

LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

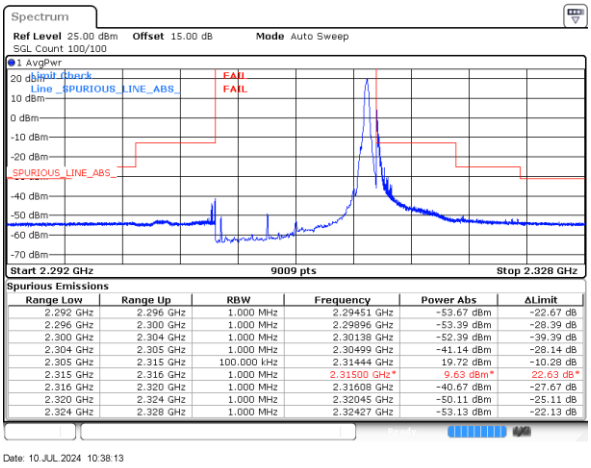


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29586 GHz	-52.88 dBm	-21.88 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29925 GHz	-48.77 dBm	-23.77 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30391 GHz	-40.14 dBm	-27.14 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30500 GHz*	10.21 dBm*	23.21 dB*
2.305 GHz	2.315 GHz	100.000 kHz	2.30561 GHz	18.57 dBm	-11.43 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31502 GHz	-42.38 dBm	-29.38 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.31829 GHz	-52.68 dBm	-39.68 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32244 GHz	-53.61 dBm	-28.61 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32740 GHz	-53.83 dBm	-22.83 dB

Date: 10.JUL.2024 10:37:17

Highest Band Edge / 1 RB

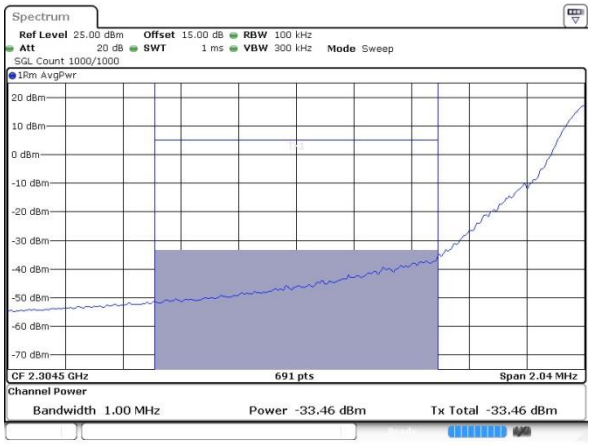


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.292 GHz	2.296 GHz	1.000 MHz	2.29451 GHz	-53.67 dBm	-22.67 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29896 GHz	-53.39 dBm	-28.39 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30138 GHz	-52.39 dBm	-39.39 dB
2.304 GHz	2.305 GHz	1.000 MHz	2.30499 GHz	-41.14 dBm	-28.14 dB
2.305 GHz	2.315 GHz	100.000 kHz	2.31444 GHz	19.72 dBm	-10.28 dB
2.315 GHz	2.316 GHz	1.000 MHz	2.31500 GHz*	9.63 dBm*	22.63 dB*
2.316 GHz	2.320 GHz	1.000 MHz	2.31608 GHz	-40.67 dBm	-27.67 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32045 GHz	-50.11 dBm	-25.11 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32427 GHz	-53.13 dBm	-22.13 dB

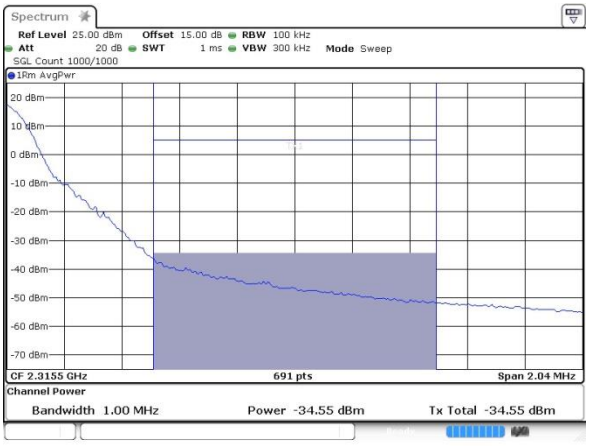
Date: 10.JUL.2024 10:38:13

Lowest Band Edge / 1 RB / Lower zoom in



Date: 10.JUL.2024 10:37:41

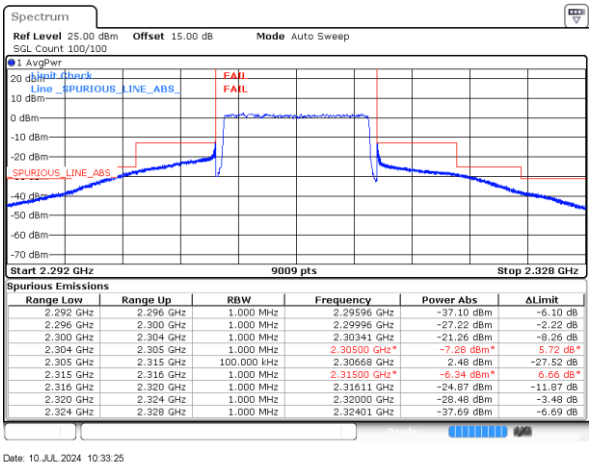
Highest Band Edge / 1 RB / Lower zoom in



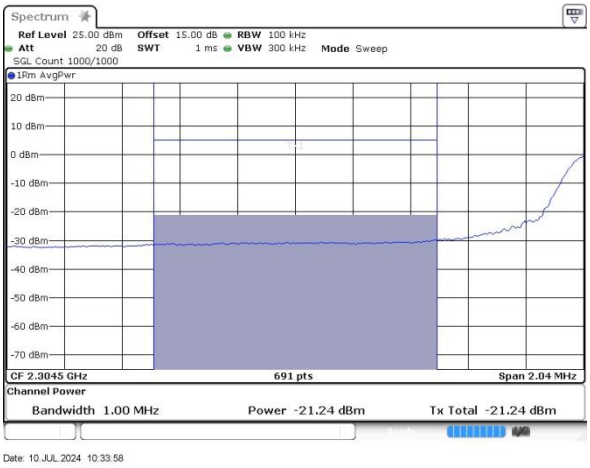
Date: 10.JUL.2024 10:38:35

LTE Band 30 / 10MHz / 64QAM

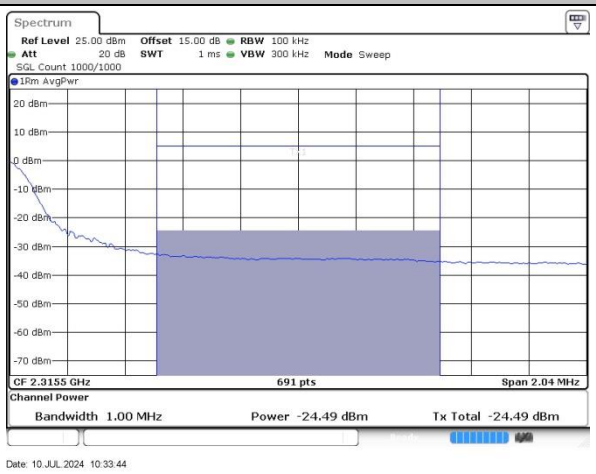
Lowest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in



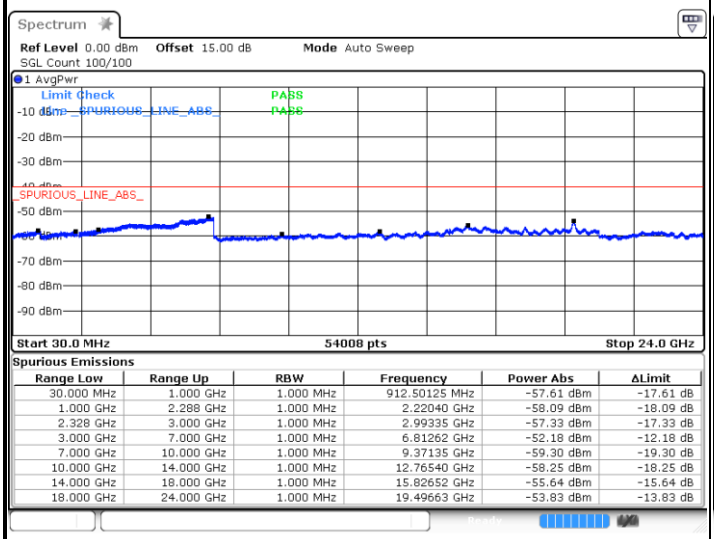
Lowest Band Edge / Full RB / Upper zoom in



Conducted Spurious Emission

LTE Band 30 / 5MHz

Lowest Channel / QPSK

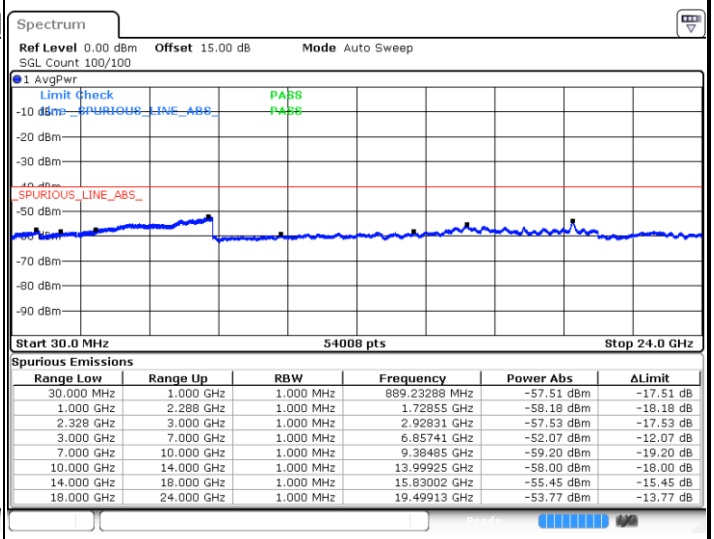


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.50125 MHz	-57.61 dBm	-17.61 dB
1.000 GHz	2.288 GHz	1.000 MHz	2.22040 GHz	-58.09 dBm	-18.09 dB
2.328 GHz	3.000 GHz	1.000 MHz	2.99335 GHz	-57.33 dBm	-17.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81262 GHz	-52.18 dBm	-12.18 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.37135 GHz	-59.30 dBm	-19.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.76540 GHz	-58.25 dBm	-18.25 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.82652 GHz	-55.64 dBm	-15.64 dB
18.000 GHz	24.000 GHz	1.000 MHz	19.49663 GHz	-53.83 dBm	-13.83 dB

Date: 10.JUL.2024 10:13:36

Middle Channel / QPSK

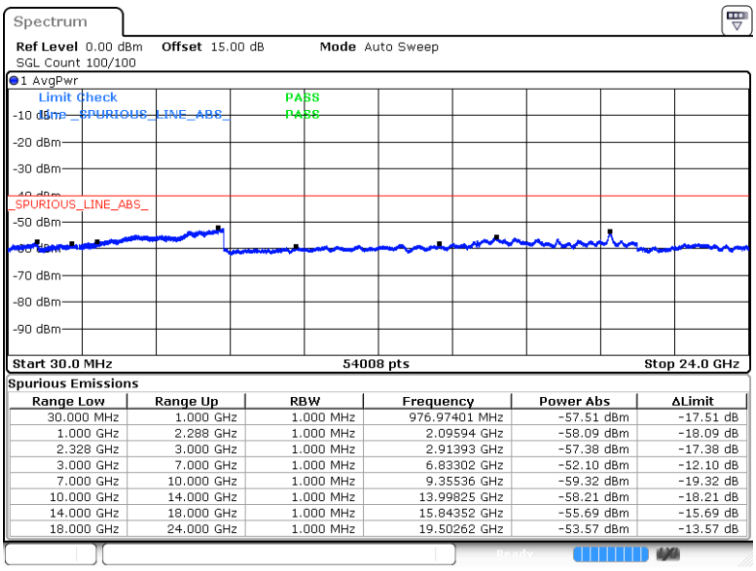


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-57.51 dBm	-17.51 dB
1.000 GHz	2.288 GHz	1.000 MHz	1.72855 GHz	-58.18 dBm	-18.18 dB
2.328 GHz	3.000 GHz	1.000 MHz	2.92831 GHz	-57.53 dBm	-17.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85741 GHz	-52.07 dBm	-12.07 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.38485 GHz	-59.20 dBm	-19.20 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99925 GHz	-58.00 dBm	-18.00 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.83002 GHz	-55.45 dBm	-15.45 dB
18.000 GHz	24.000 GHz	1.000 MHz	19.49913 GHz	-53.77 dBm	-13.77 dB

Date: 10.JUL.2024 10:14:49

Highest Channel / QPSK



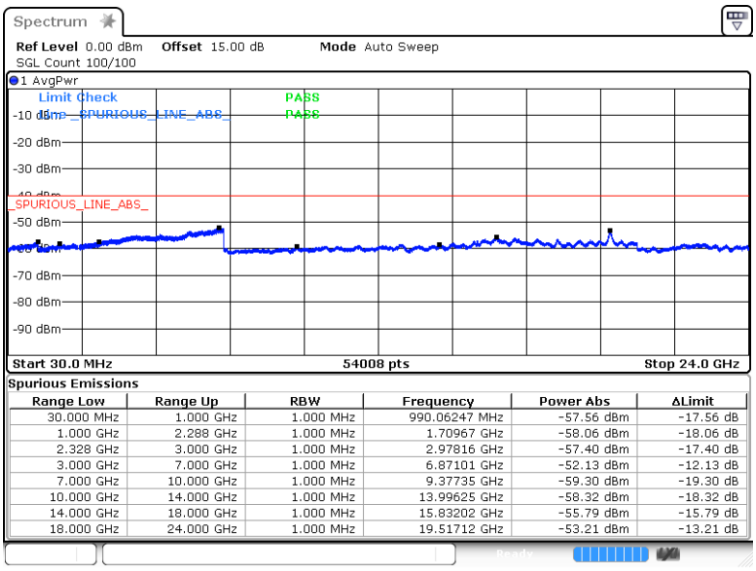
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-57.51 dBm	-17.51 dB
1.000 GHz	2.288 GHz	1.000 MHz	2.09594 GHz	-58.09 dBm	-18.09 dB
2.328 GHz	3.000 GHz	1.000 MHz	2.91393 GHz	-57.38 dBm	-17.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83302 GHz	-52.10 dBm	-12.10 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.35536 GHz	-59.32 dBm	-19.32 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99825 GHz	-58.21 dBm	-18.21 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.84352 GHz	-55.69 dBm	-15.69 dB
18.000 GHz	24.000 GHz	1.000 MHz	19.50262 GHz	-53.57 dBm	-13.57 dB

Date: 10.JUL.2024 10:15:57

LTE Band 30 / 10MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-57.56 dBm	-17.56 dB
1.000 GHz	2.288 GHz	1.000 MHz	1.70967 GHz	-58.06 dBm	-18.06 dB
2.328 GHz	3.000 GHz	1.000 MHz	2.97816 GHz	-57.40 dBm	-17.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87101 GHz	-52.13 dBm	-12.13 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.37735 GHz	-59.30 dBm	-19.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99625 GHz	-58.32 dBm	-18.32 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.83202 GHz	-55.79 dBm	-15.79 dB
18.000 GHz	24.000 GHz	1.000 MHz	19.51712 GHz	-53.21 dBm	-13.21 dB

Date: 10.JUL.2024 10:41:59

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0045	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.41 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce Zhao	Temperature :	23~25℃
		Relative Humidity :	41~42%

LTE Band 30 / 5MHz / QPSK / RB Size 1 Offset 0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4616	-63.92	-40	-23.92	-75.38	2.84	14.30	H
	6912	-56.22	-40	-16.22	-66.16	3.49	13.43	H
	9222	-62.80	-40	-22.80	-73.04	3.85	14.09	H
	4616	-62.94	-40	-22.94	-74.40	2.84	14.30	V
	6912	-60.16	-40	-20.16	-70.10	3.49	13.43	V
	9222	-62.25	-40	-22.25	-72.49	3.85	14.09	V
Middle	4616	-64.15	-40	-24.15	-75.61	2.84	14.30	H
	6926	-57.94	-40	-17.94	-67.88	3.49	13.43	H
	9236	-61.95	-40	-21.95	-72.19	3.85	14.09	H
	4616	-63.52	-40	-23.52	-74.98	2.84	14.30	V
	6926	-60.75	-40	-20.75	-70.69	3.49	13.43	V
	9236	-62.61	-40	-22.61	-72.85	3.85	14.09	V
Highest	4616	-64.03	-40	-24.03	-75.49	2.84	14.30	H
	6926	-58.79	-40	-18.79	-68.73	3.49	13.43	H
	9236	-62.66	-40	-22.66	-72.90	3.85	14.09	H
	4616	-63.04	-40	-23.04	-74.50	2.84	14.30	V
	6926	-58.47	-40	-18.47	-68.41	3.49	13.43	V
	9236	-62.66	-40	-22.66	-72.90	3.85	14.09	V

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

LTE Band 30 / 10MHz / QPSK / RB Size 1 Offset 0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-63.45	-40	-23.45	-74.91	2.84	14.30	H
	6912	-56.16	-40	-16.16	-66.10	3.49	13.43	H
	9222	-62.35	-40	-22.35	-72.59	3.85	14.09	H
	4616	-63.28	-40	-23.28	-74.74	2.84	14.30	V
	6912	-56.52	-40	-16.52	-66.46	3.49	13.43	V
	9222	-62.83	-40	-22.83	-73.07	3.85	14.09	V

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

LTE Band 30 / 5MHz / QPSK / RB Size 1 Offset 0 for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4616	-65.22	-40	-25.22	-76.68	2.84	14.30	H
	6912	-58.82	-40	-18.82	-68.76	3.49	13.43	H
	9222	-54.79	-40	-14.79	-65.03	3.85	14.09	H
	4616	-64.88	-40	-24.88	-76.34	2.84	14.30	V
	6912	-58.79	-40	-18.79	-68.73	3.49	13.43	V
	9222	-53.00	-40	-13.00	-63.24	3.85	14.09	V
Middle	4616	-65.39	-40	-25.39	-76.85	2.84	14.30	H
	6926	-59.28	-40	-19.28	-69.22	3.49	13.43	H
	9236	-54.35	-40	-14.35	-64.59	3.85	14.09	H
	4616	-64.60	-40	-24.60	-76.06	2.84	14.30	V
	6926	-58.03	-40	-18.03	-67.97	3.49	13.43	V
	9236	-53.69	-40	-13.69	-63.93	3.85	14.09	V
Highest	4616	-65.08	-40	-25.08	-76.54	2.84	14.30	H
	6926	-58.65	-40	-18.65	-68.59	3.49	13.43	H
	9236	-54.28	-40	-14.28	-64.52	3.85	14.09	H
	4616	-64.79	-40	-24.79	-76.25	2.84	14.30	V
	6926	-59.10	-40	-19.10	-69.04	3.49	13.43	V
	9236	-53.71	-40	-13.71	-63.95	3.85	14.09	V

LTE Band 30 / 10MHz / QPSK / RB Size 1 Offset 0 for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-64.83	-40	-24.83	-76.29	2.84	14.30	H
	6912	-57.65	-40	-17.65	-67.59	3.49	13.43	H
	9222	-54.87	-40	-14.87	-65.11	3.85	14.09	H
	4616	-64.73	-40	-24.73	-76.19	2.84	14.30	V
	6912	-59.43	-40	-19.43	-69.37	3.49	13.43	V
	9222	-52.92	-40	-12.92	-63.16	3.85	14.09	V