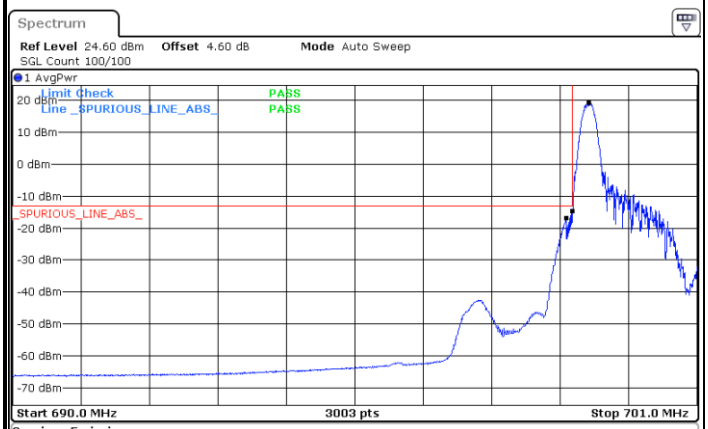
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

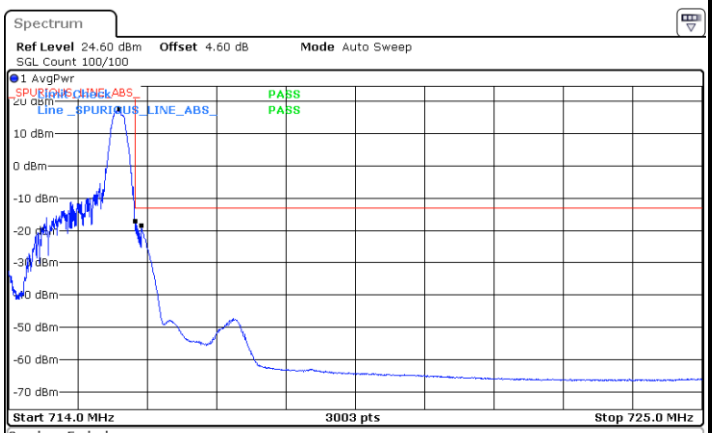


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-16.85 dBm	-3.85 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99665 MHz	-14.78 dBm	-1.78 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.25874 MHz	19.12 dBm	-10.88 dB

Date: 17.JAN.2023 22:01:41

Highest Band Edge / 1 RB

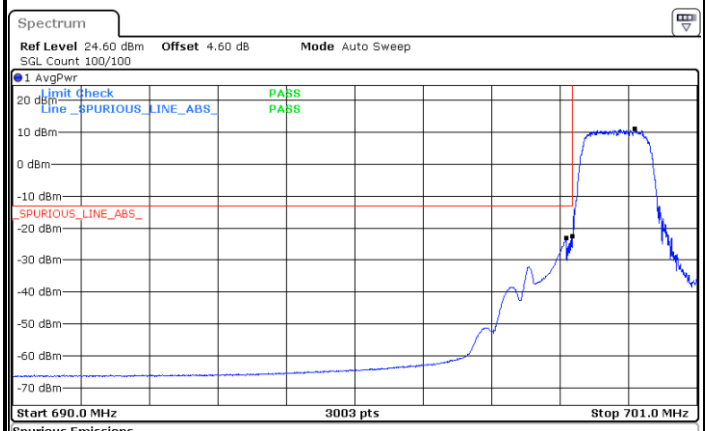


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.75924 MHz	17.43 dBm	-12.57 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00075 MHz	-17.07 dBm	-4.07 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-18.47 dBm	-5.47 dB

Date: 17.JAN.2023 22:12:32

Lowest Band Edge / Full RB

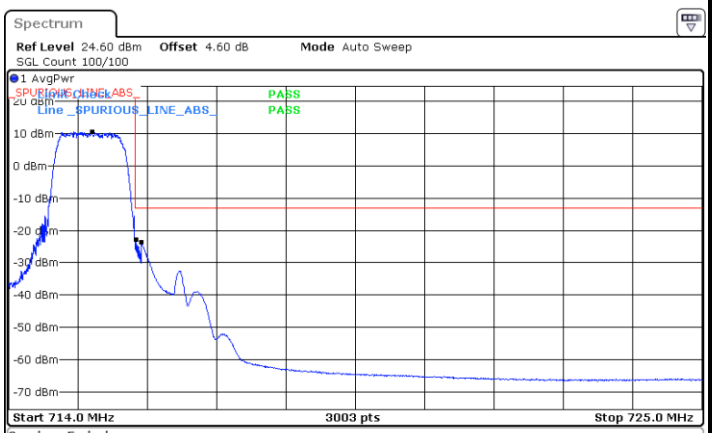


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-23.09 dBm	-10.09 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99895 MHz	-22.50 dBm	-9.50 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.99800 MHz	10.99 dBm	-19.01 dB

Date: 17.JAN.2023 22:03:22

Highest Band Edge / Full RB



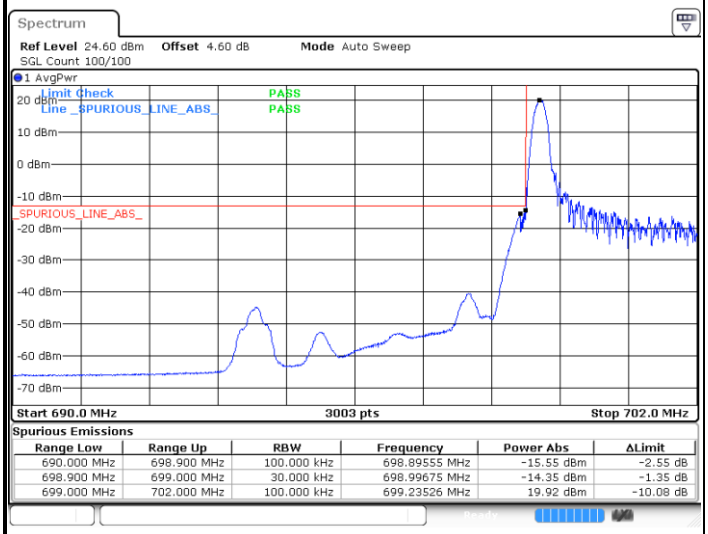
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.32168 MHz	10.47 dBm	-19.53 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01963 MHz	-22.84 dBm	-9.84 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-23.68 dBm	-10.68 dB

Date: 17.JAN.2023 22:14:12

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

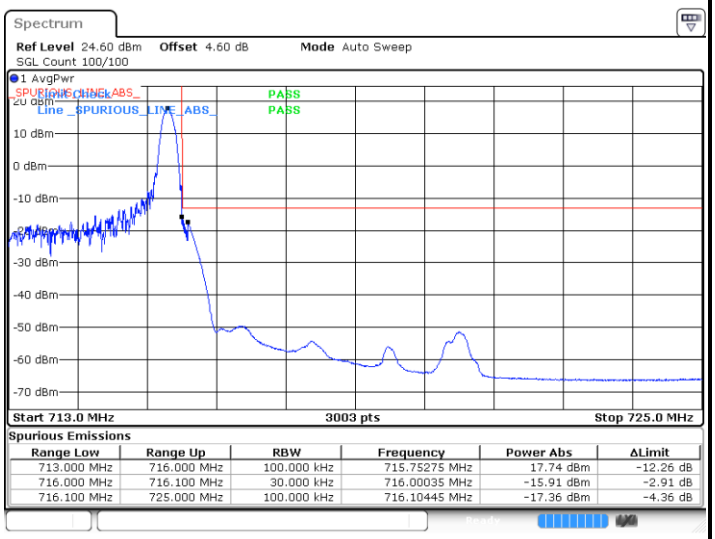


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-15.55 dBm	-2.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99675 MHz	-14.35 dBm	-1.35 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23526 MHz	19.92 dBm	-10.08 dB

Date: 17.JAN.2023 22:19:44

Highest Band Edge / 1 RB

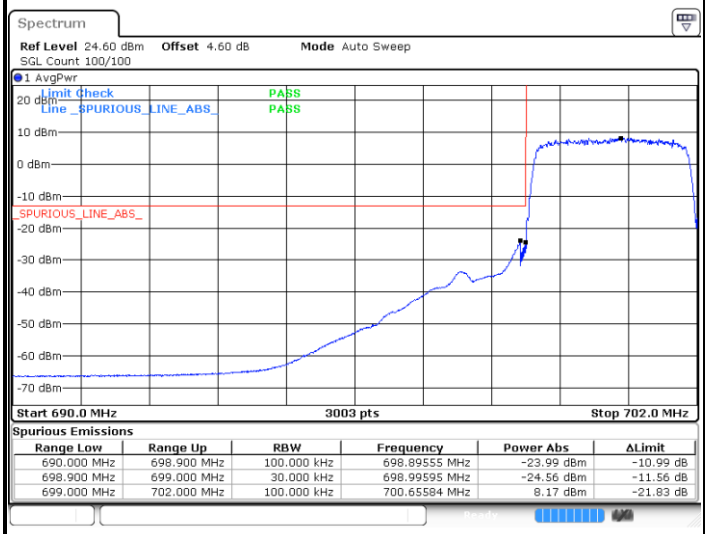


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.75275 MHz	17.74 dBm	-12.26 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-15.91 dBm	-2.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-17.36 dBm	-4.36 dB

Date: 17.JAN.2023 22:31:32

Lowest Band Edge / Full RB

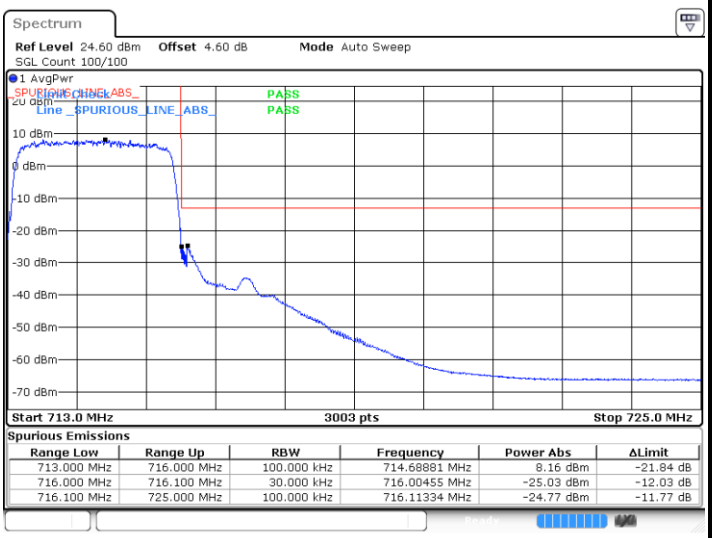


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-23.99 dBm	-10.99 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99595 MHz	-24.56 dBm	-11.56 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.65584 MHz	8.17 dBm	-21.83 dB

Date: 17.JAN.2023 22:25:43

Highest Band Edge / Full RB



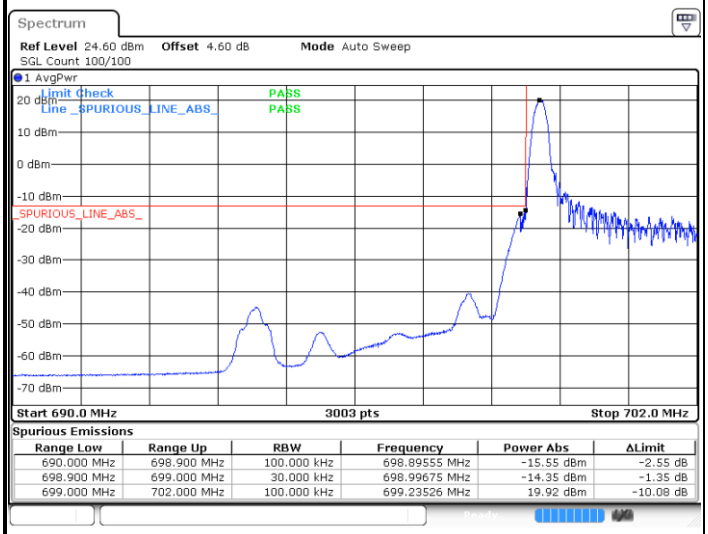
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.68881 MHz	8.16 dBm	-21.84 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00455 MHz	-25.03 dBm	-12.03 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-24.77 dBm	-11.77 dB

Date: 17.JAN.2023 22:36:32

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

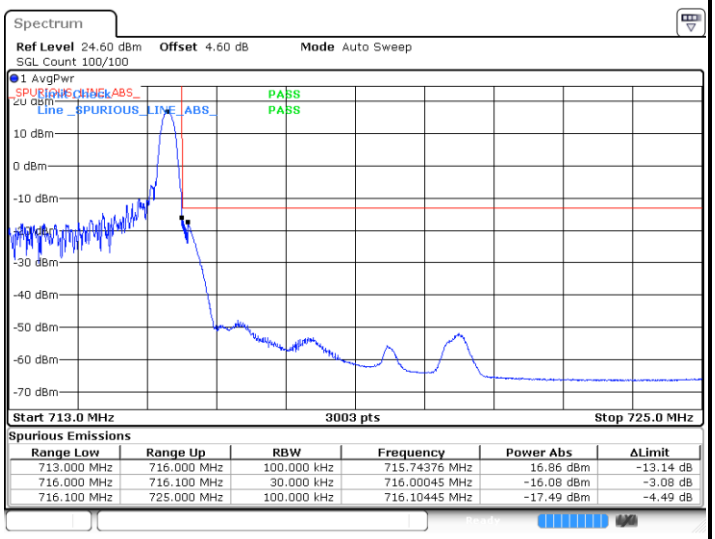


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-15.55 dBm	-2.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99675 MHz	-14.35 dBm	-1.35 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23526 MHz	19.92 dBm	-10.08 dB

Date: 17.JAN.2023 22:19:44

Highest Band Edge /1 RB

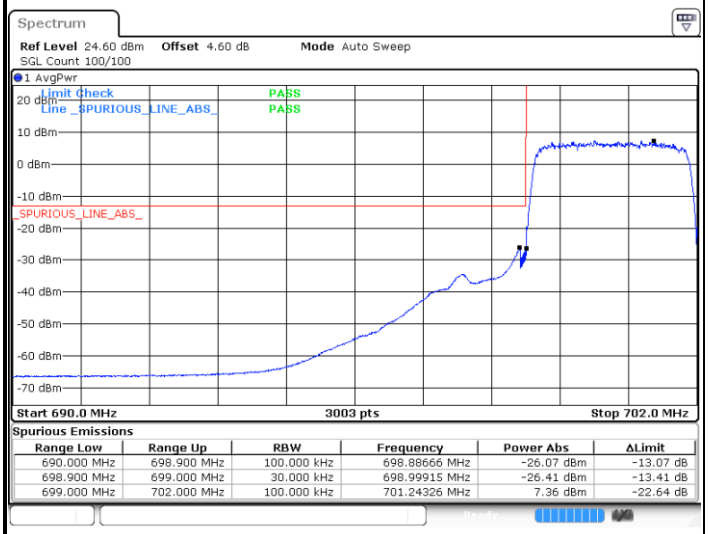


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.74376 MHz	16.86 dBm	-13.14 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-16.08 dBm	-3.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-17.49 dBm	-4.49 dB

Date: 17.JAN.2023 22:33:12

Lowest Band Edge / Full RB

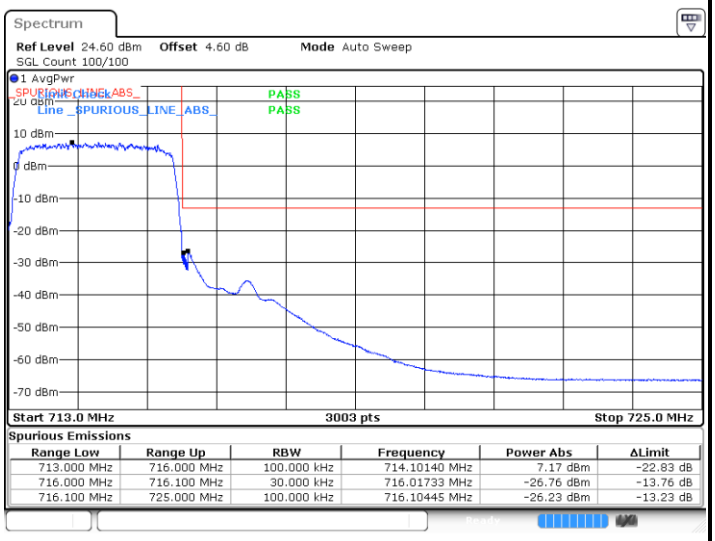


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-26.07 dBm	-13.07 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99915 MHz	-26.41 dBm	-13.41 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.24326 MHz	7.36 dBm	-22.64 dB

Date: 17.JAN.2023 22:24:03

Highest Band Edge / Full RB



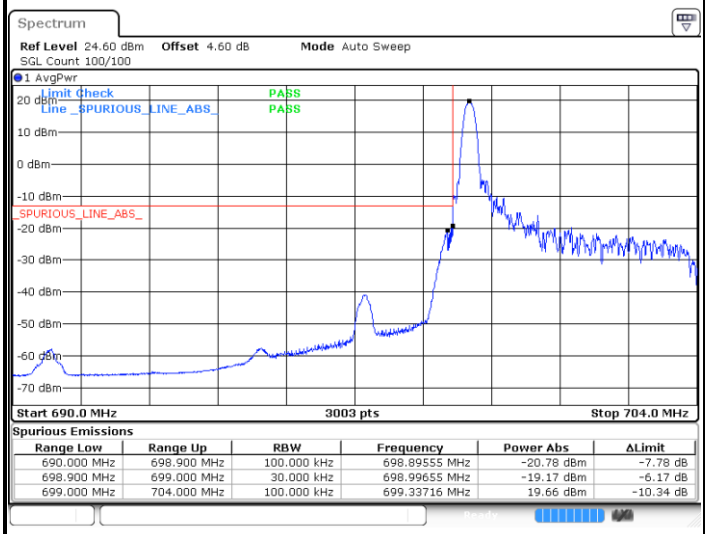
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.10140 MHz	7.17 dBm	-22.83 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01733 MHz	-26.76 dBm	-13.76 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.23 dBm	-13.23 dB

Date: 17.JAN.2023 22:34:52

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

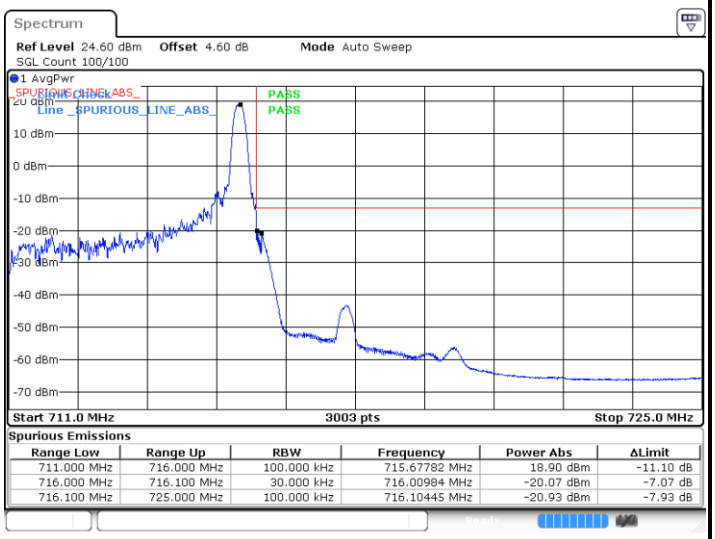


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-20.78 dBm	-7.78 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99655 MHz	-19.17 dBm	-6.17 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33716 MHz	19.66 dBm	-10.34 dB

Date: 17.JAN.2023 22:39:34

Highest Band Edge / 1 RB

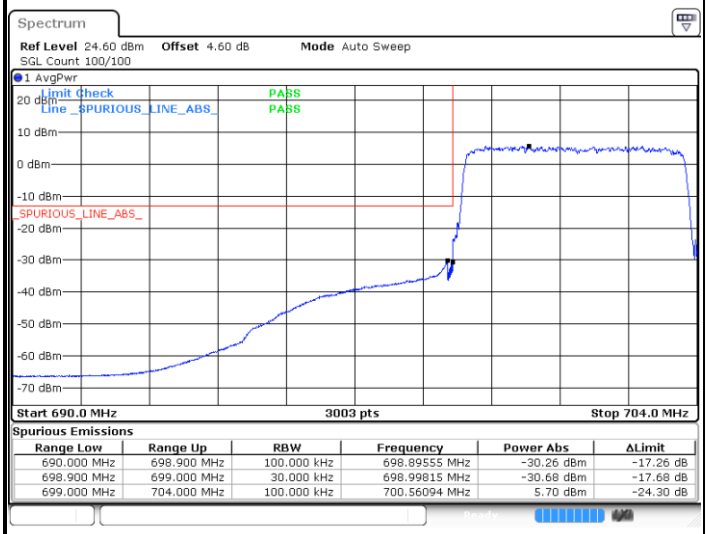


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67782 MHz	18.90 dBm	-11.10 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00984 MHz	-20.07 dBm	-7.07 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-20.93 dBm	-7.93 dB

Date: 17.JAN.2023 22:50:23

Lowest Band Edge / Full RB

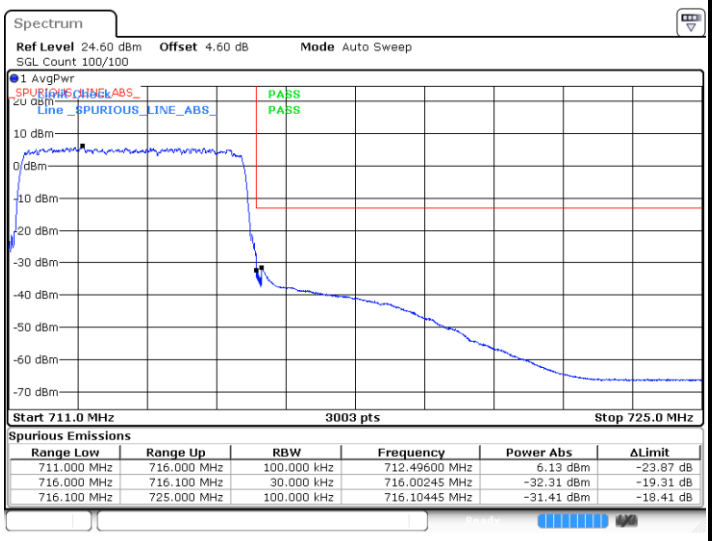


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.26 dBm	-17.26 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99815 MHz	-30.68 dBm	-17.68 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.56094 MHz	5.70 dBm	-24.30 dB

Date: 17.JAN.2023 22:44:34

Highest Band Edge / Full RB



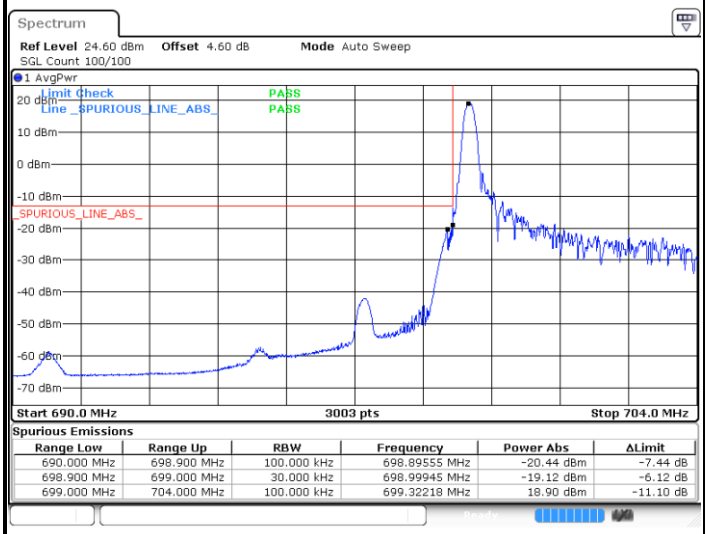
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.49600 MHz	6.13 dBm	-23.87 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00245 MHz	-32.31 dBm	-19.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.41 dBm	-18.41 dB

Date: 17.JAN.2023 22:55:23

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

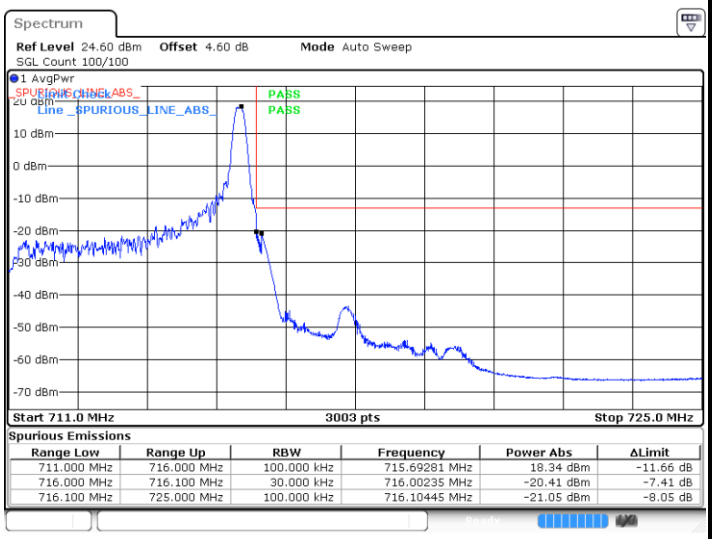


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-20.44 dBm	-7.44 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-19.12 dBm	-6.12 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.32218 MHz	18.90 dBm	-11.10 dB

Date: 17.JAN.2023 22:41:13

Highest Band Edge / 1 RB

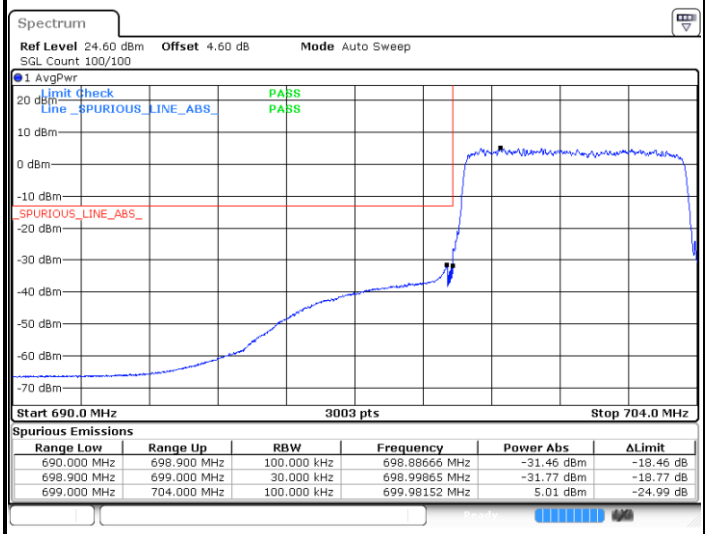


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.69281 MHz	18.34 dBm	-11.66 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00235 MHz	-20.41 dBm	-7.41 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.05 dBm	-8.05 dB

Date: 17.JAN.2023 22:52:03

Lowest Band Edge / Full RB

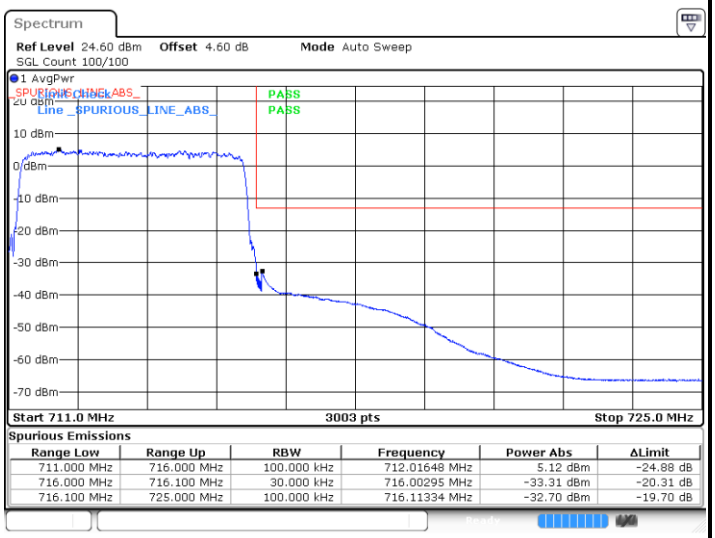


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-31.46 dBm	-18.46 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99865 MHz	-31.77 dBm	-18.77 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.98152 MHz	5.01 dBm	-24.99 dB

Date: 17.JAN.2023 22:42:54

Highest Band Edge / Full RB



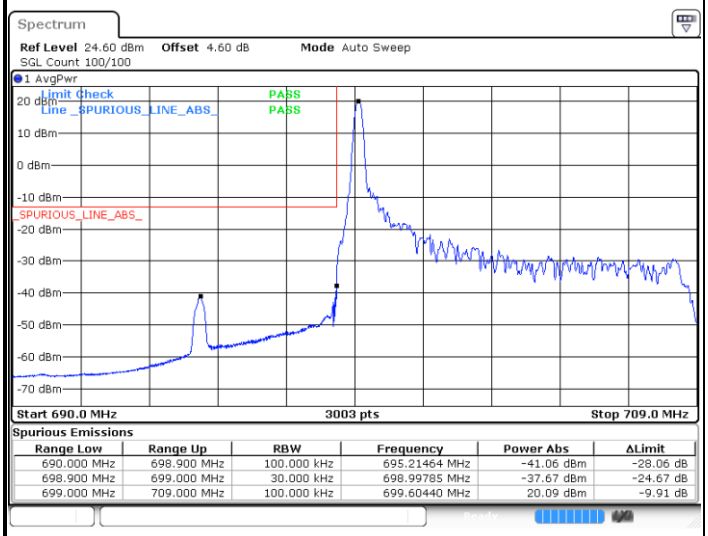
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.01648 MHz	5.12 dBm	-24.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00295 MHz	-33.31 dBm	-20.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-32.70 dBm	-19.70 dB

Date: 17.JAN.2023 22:53:43

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

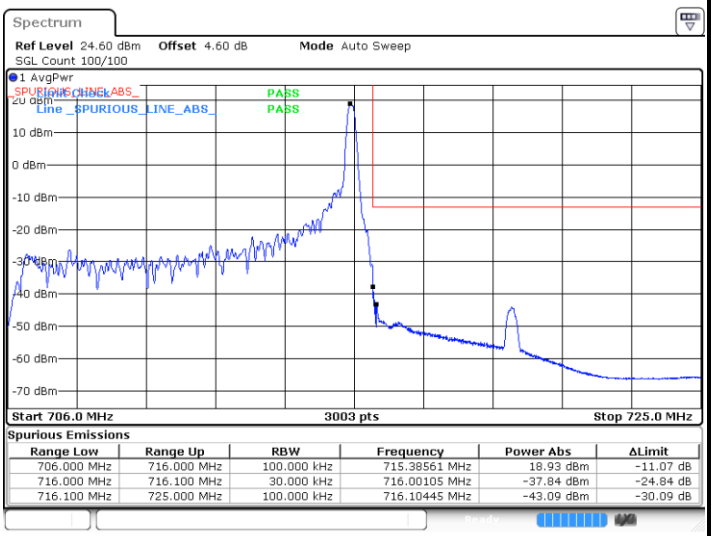


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	695.21464 MHz	-41.06 dBm	-28.06 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99785 MHz	-37.67 dBm	-24.67 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	20.09 dBm	-9.91 dB

Date: 17.JAN.2023 22:58:25

Highest Band Edge / 1 RB

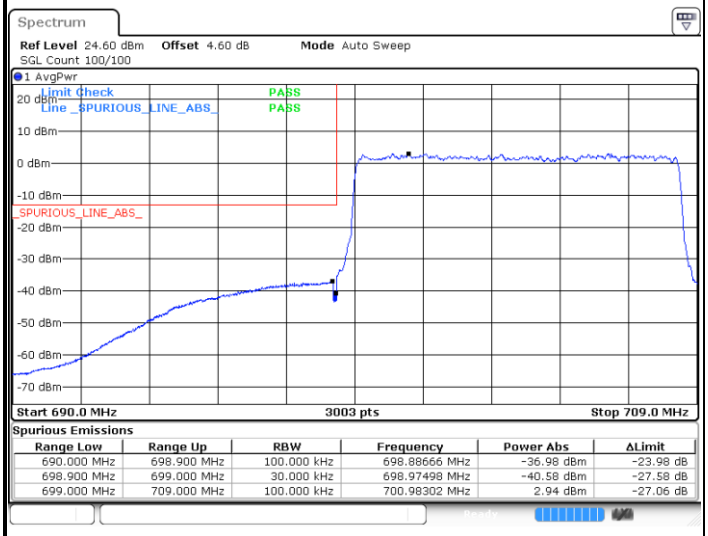


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	18.93 dBm	-11.07 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00105 MHz	-37.84 dBm	-24.84 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-43.09 dBm	-30.09 dB

Date: 17.JAN.2023 23:06:07

Lowest Band Edge / Full RB

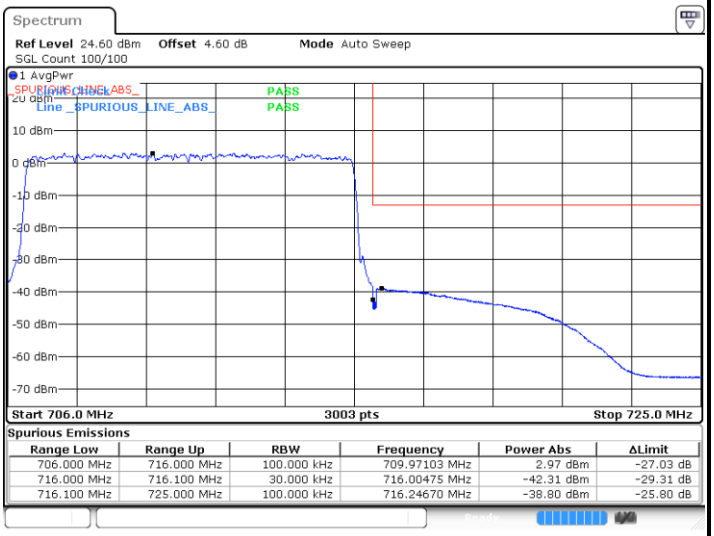


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-36.98 dBm	-23.98 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97498 MHz	-40.58 dBm	-27.58 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.98302 MHz	2.94 dBm	-27.06 dB

Date: 17.JAN.2023 23:01:45

Highest Band Edge / Full RB



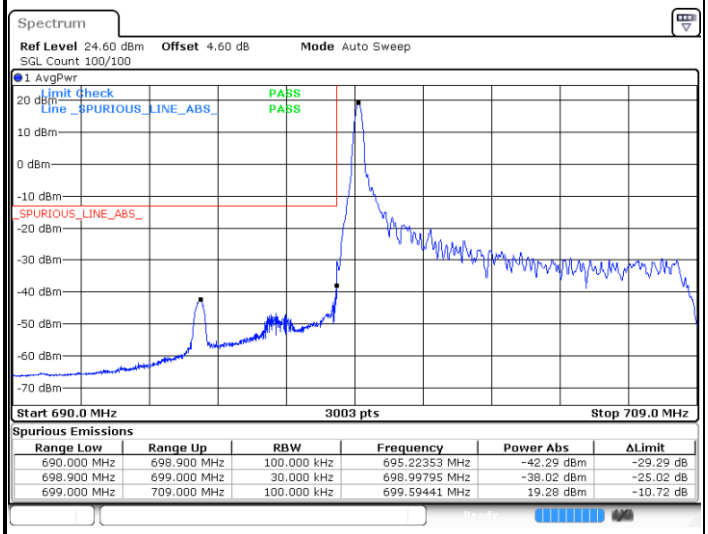
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.97103 MHz	2.97 dBm	-27.03 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00475 MHz	-42.31 dBm	-29.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.24670 MHz	-38.80 dBm	-25.80 dB

Date: 17.JAN.2023 23:09:27

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

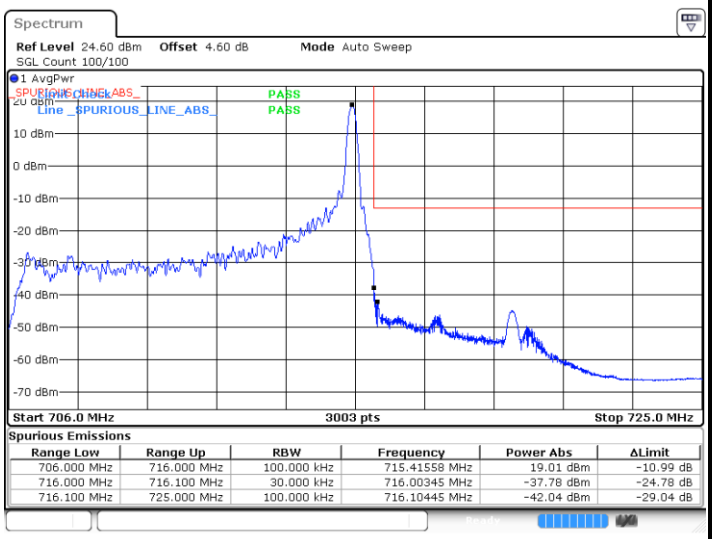


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	695.22353 MHz	-42.29 dBm	-29.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99795 MHz	-38.02 dBm	-25.02 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.59441 MHz	19.28 dBm	-10.72 dB

Date: 17.JAN.2023 23:22:07

Highest Band Edge / 1 RB

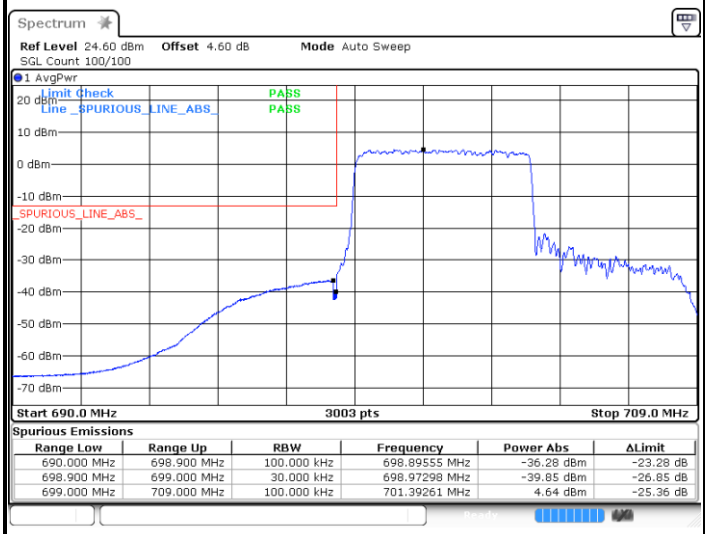


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41558 MHz	19.01 dBm	-10.99 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00345 MHz	-37.78 dBm	-24.78 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-42.04 dBm	-29.04 dB

Date: 17.JAN.2023 23:07:47

Lowest Band Edge / Full RB

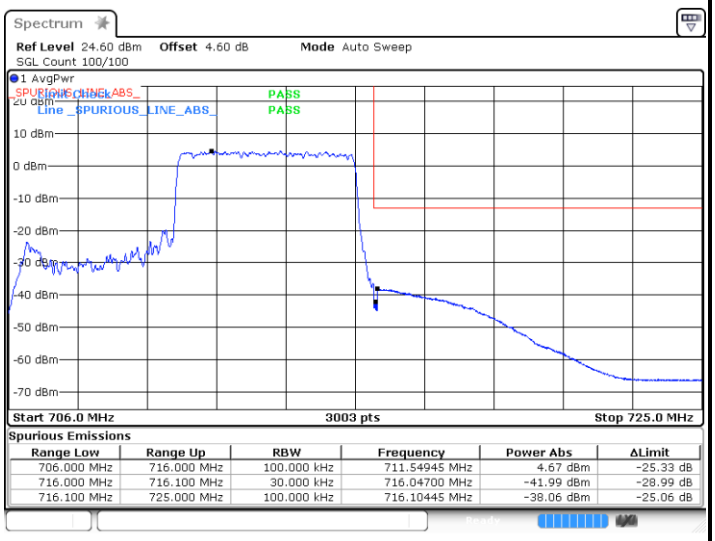


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-36.28 dBm	-23.28 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97298 MHz	-39.85 dBm	-26.85 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.39261 MHz	4.64 dBm	-25.36 dB

Date: 17.JAN.2023 23:23:18

Highest Band Edge / Full RB



Spurious Emissions

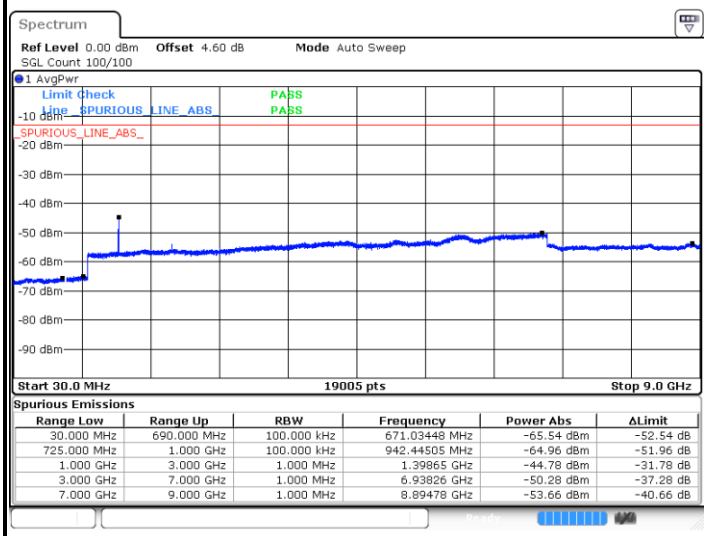
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.54945 MHz	4.67 dBm	-25.33 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.04700 MHz	-41.99 dBm	-28.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-38.06 dBm	-25.06 dB

Date: 17.JAN.2023 23:24:35

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

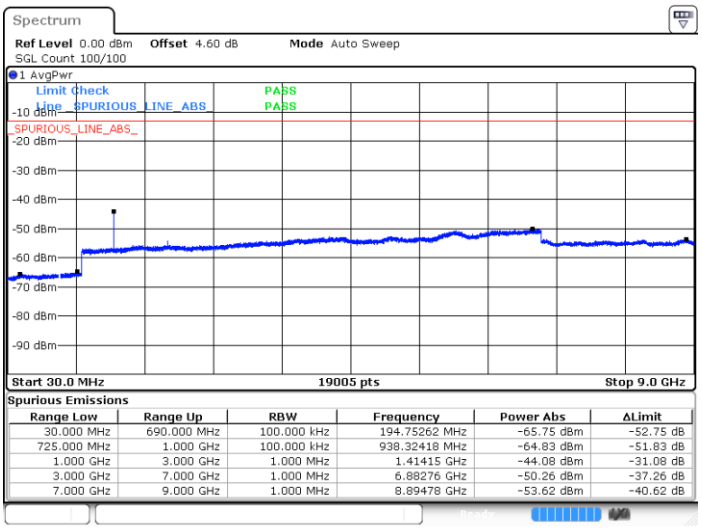


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.03448 MHz	-65.54 dBm	-52.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	942.44505 MHz	-64.96 dBm	-51.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.78 dBm	-31.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93826 GHz	-50.28 dBm	-37.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89478 GHz	-53.66 dBm	-40.66 dB

Date: 17.JAN.2023 21:58:22

Middle Channel / QPSK

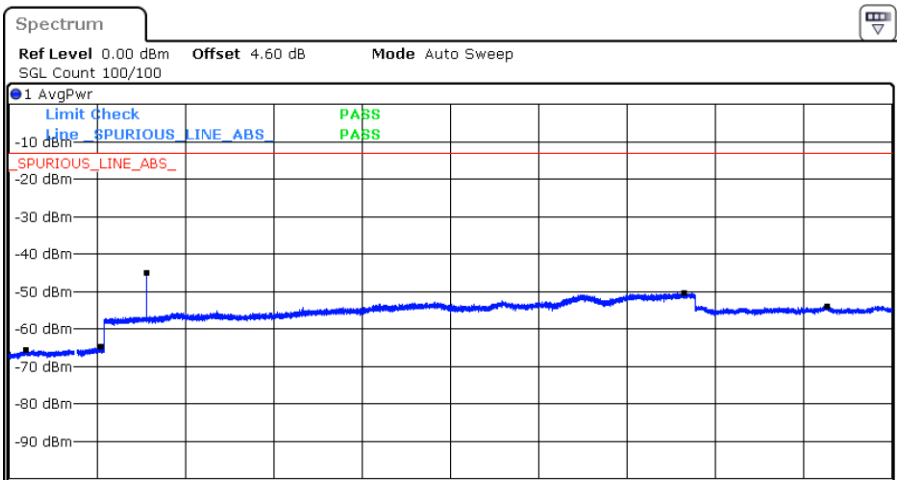


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	194.75262 MHz	-65.75 dBm	-52.75 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.32418 MHz	-64.83 dBm	-51.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-44.08 dBm	-31.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88276 GHz	-50.26 dBm	-37.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89478 GHz	-53.62 dBm	-40.62 dB

Date: 17.JAN.2023 22:07:51

Highest Channel / QPSK



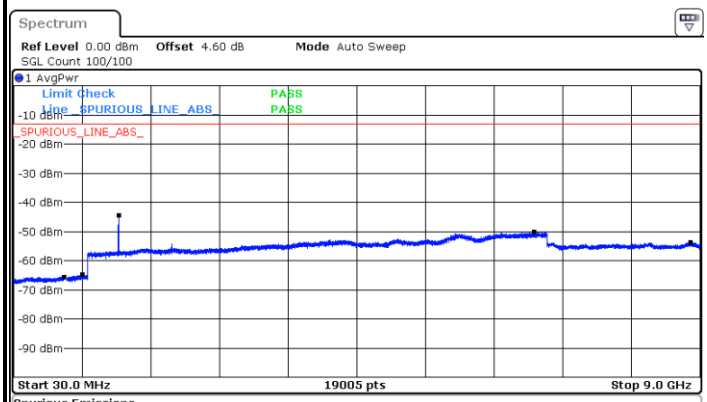
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	200.68966 MHz	-65.71 dBm	-52.71 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.28022 MHz	-64.83 dBm	-51.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-45.16 dBm	-32.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88626 GHz	-50.43 dBm	-37.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.33592 GHz	-53.95 dBm	-40.95 dB

Date: 17.JAN.2023 22:09:11

LTE Band 12 / 3MHz

Lowest Channel / QPSK

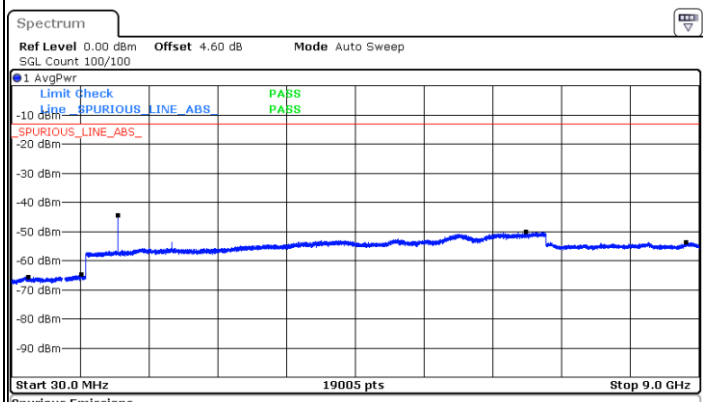


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-65.71 dBm	-52.71 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.63187 MHz	-64.91 dBm	-51.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.33 dBm	-31.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.82627 GHz	-50.28 dBm	-37.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.87278 GHz	-53.84 dBm	-40.84 dB

Date: 17.JAN.2023 22:17:14

Middle Channel / QPSK

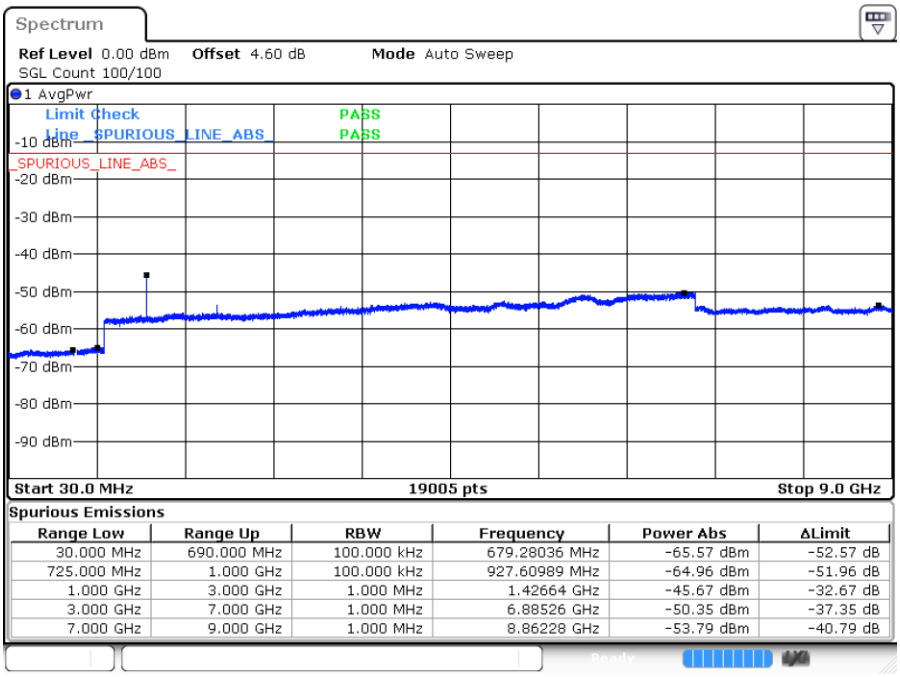


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	242.57871 MHz	-65.62 dBm	-52.62 dB
725.000 MHz	1.000 GHz	100.000 kHz	940.79670 MHz	-64.82 dBm	-51.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-44.45 dBm	-31.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.73828 GHz	-50.17 dBm	-37.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.83229 GHz	-53.66 dBm	-40.66 dB

Date: 17.JAN.2023 22:28:31

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.28036 MHz	-65.57 dBm	-52.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.60989 MHz	-64.96 dBm	-51.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.67 dBm	-32.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88526 GHz	-50.35 dBm	-37.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.86228 GHz	-53.79 dBm	-40.79 dB

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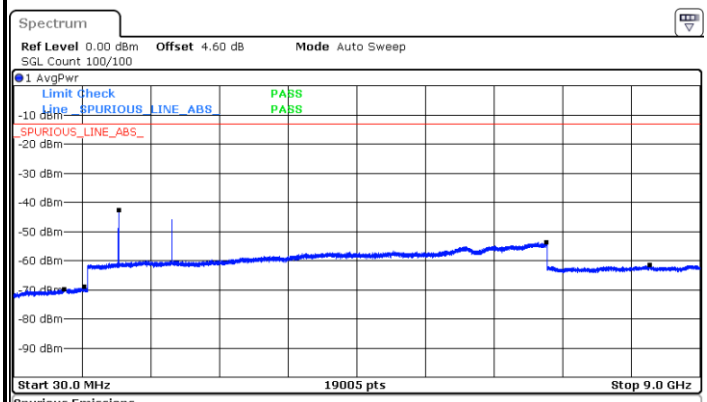
LTE Band 12 / 5MHz

Lowest Channel / QPSK

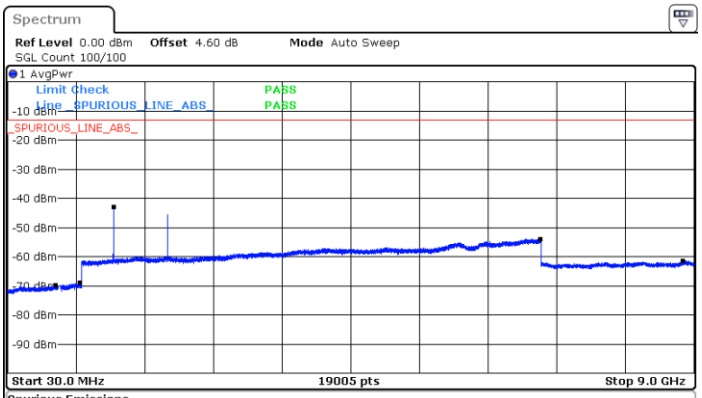


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-69.78 dBm	-56.78 dB
725.000 MHz	1.000 GHz	100.000 kHz	954.80769 MHz	-69.06 dBm	-56.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-53.71 dBm	-40.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.33842 GHz	-61.43 dBm	-48.43 dB

Date: 17.JAN.2023 22:37:54

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	653.88306 MHz	-69.83 dBm	-56.83 dB
725.000 MHz	1.000 GHz	100.000 kHz	971.01648 MHz	-68.99 dBm	-55.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-42.98 dBm	-29.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-53.95 dBm	-40.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.85479 GHz	-61.56 dBm	-48.56 dB

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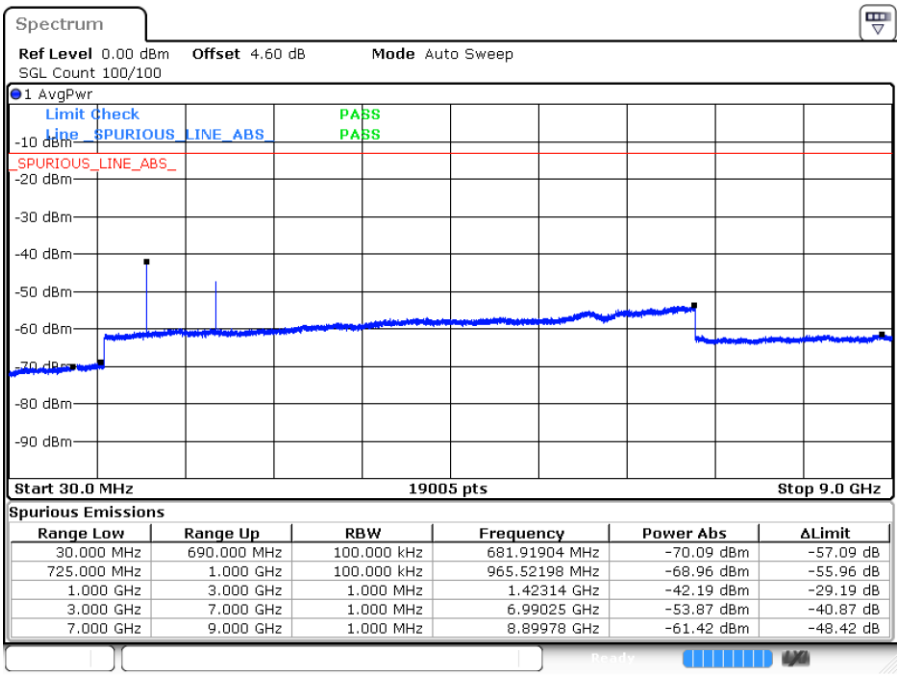
Highest Channel / QPSK



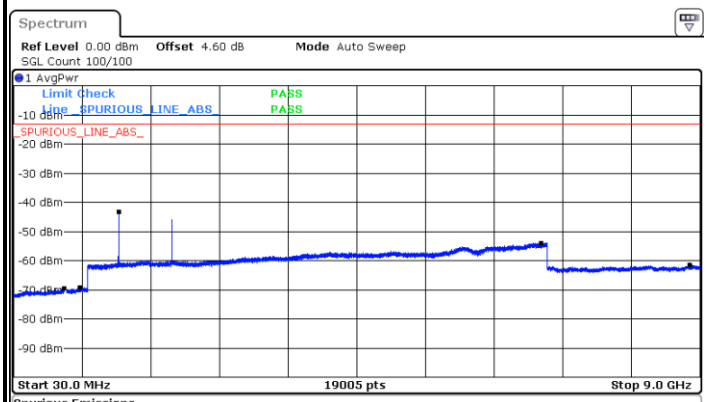
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.91904 MHz	-70.09 dBm	-57.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	965.52198 MHz	-68.96 dBm	-55.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-42.19 dBm	-29.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-53.87 dBm	-40.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89978 GHz	-61.42 dBm	-48.42 dB

Date: 17.JAN.2023 22:48:42

LTE Band 12 / 10MHz

Lowest Channel / QPSK

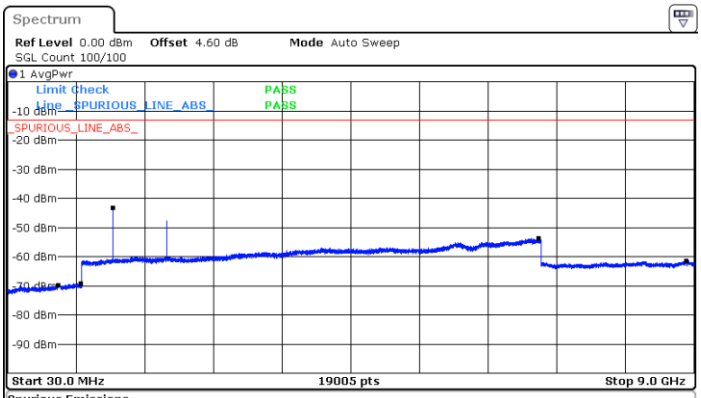


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-69.55 dBm	-56.55 dB
725.000 MHz	1.000 GHz	100.000 kHz	898.48901 MHz	-69.30 dBm	-56.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92326 GHz	-53.97 dBm	-40.97 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.86728 GHz	-61.49 dBm	-48.49 dB

Date: 17.JAN.2023 22:56:44

Middle Channel / QPSK

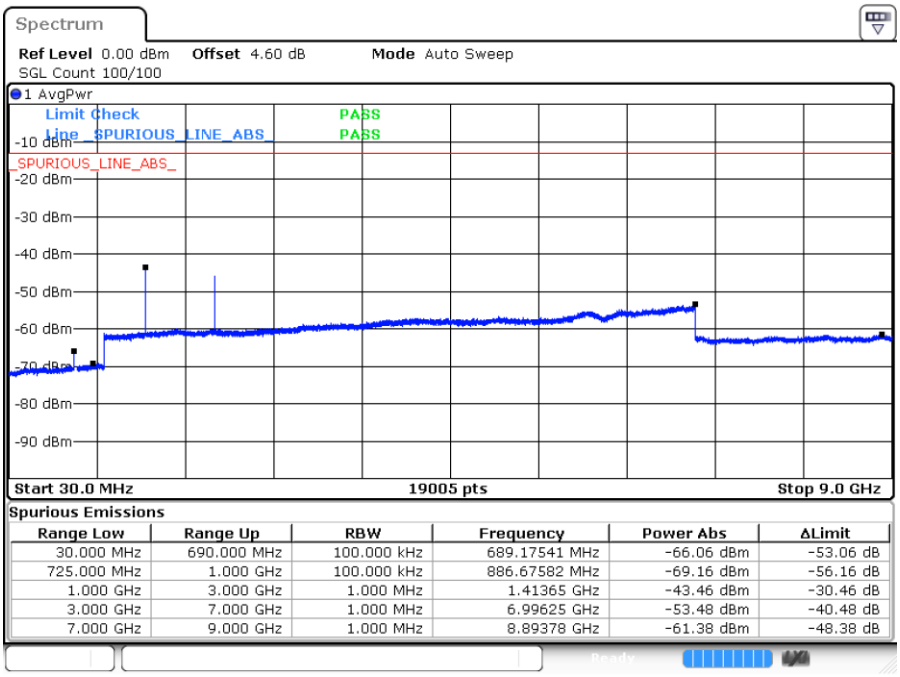


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-69.84 dBm	-56.84 dB
725.000 MHz	1.000 GHz	100.000 kHz	987.22527 MHz	-69.25 dBm	-56.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97125 GHz	-53.70 dBm	-40.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89878 GHz	-61.55 dBm	-48.55 dB

Date: 17.JAN.2023 23:03:06

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-66.06 dBm	-53.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.67582 MHz	-69.16 dBm	-56.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-43.46 dBm	-30.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-53.48 dBm	-40.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89378 GHz	-61.38 dBm	-48.38 dB

Date: 17.JAN.2023 23:04:27

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0053	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0013	
20	End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

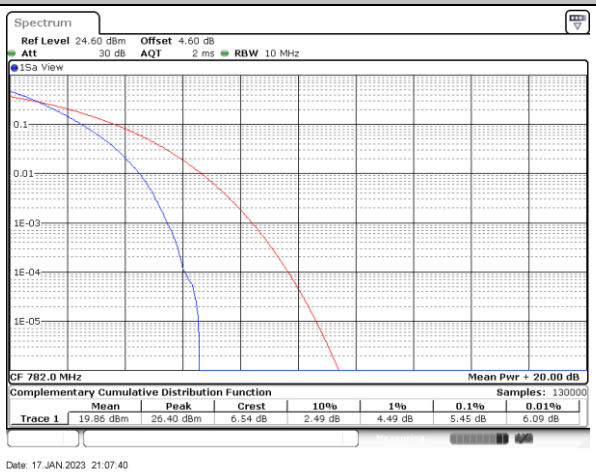
LTE Band 13

Peak-to-Average Ratio

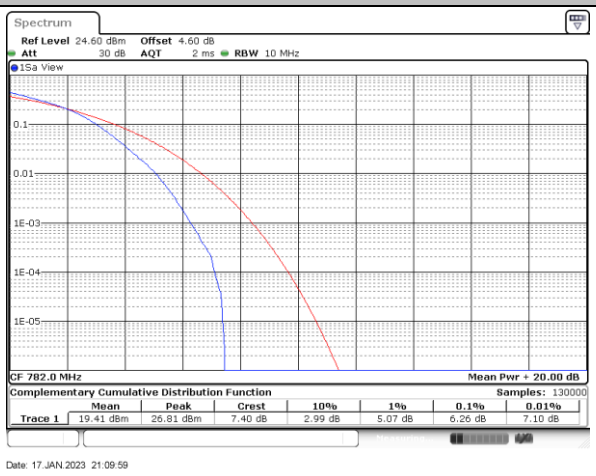
Mode	LTE Band 13 / 10MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.45	6.26	PASS

LTE Band 13 / 10MHz

Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

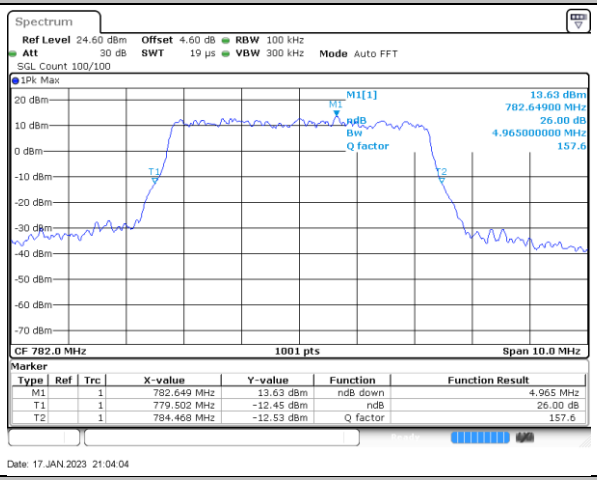


26dB Bandwidth

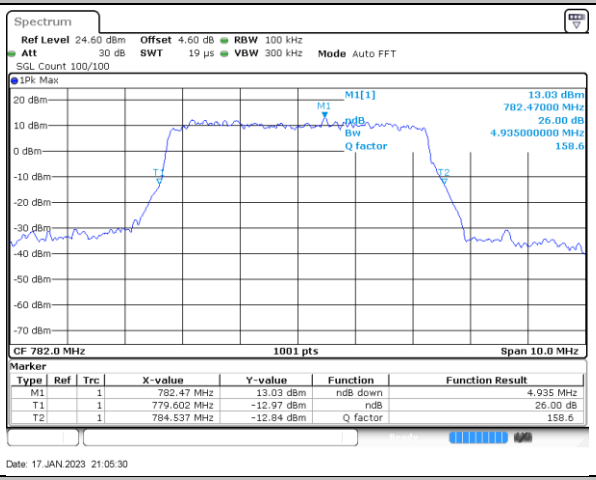
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.97	4.94
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	5.73

LTE Band 13

Middle Channel / 5MHz / QPSK

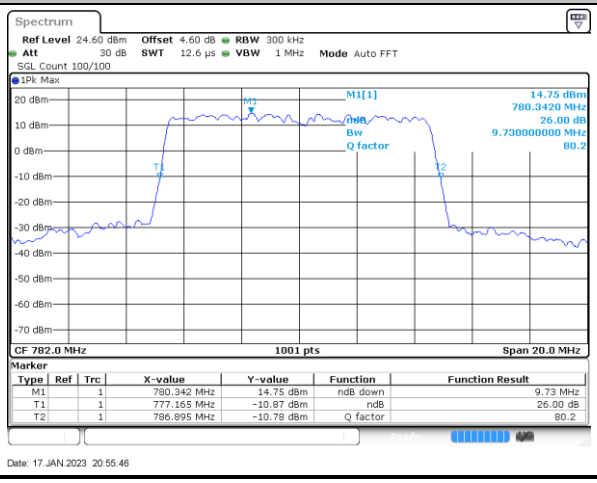


Middle Channel / 5MHz / 16QAM

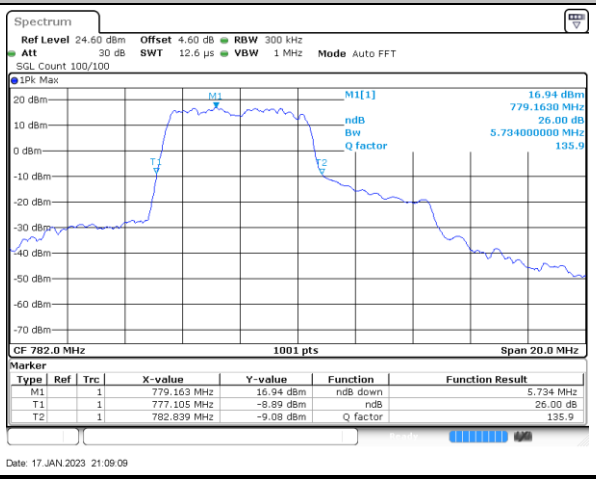


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

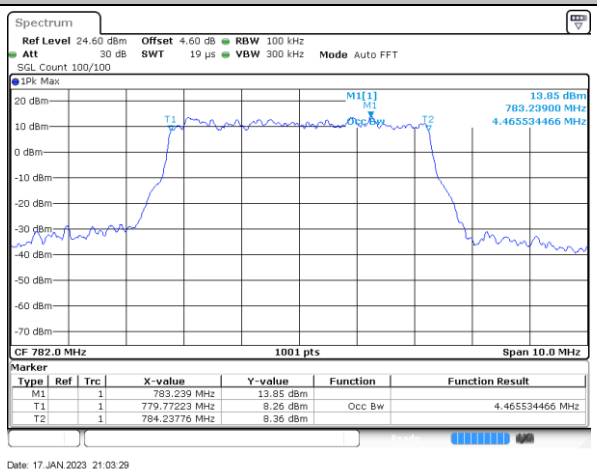


Occupied Bandwidth

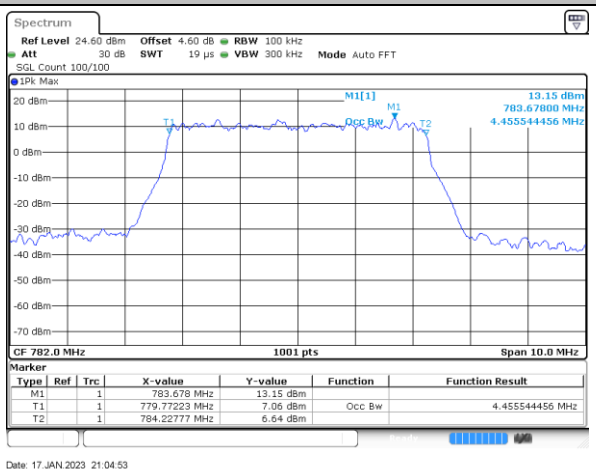
Mode	LTE Band 13 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.47	4.46
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	5.07

LTE Band 13

Middle Channel / 5MHz / QPSK

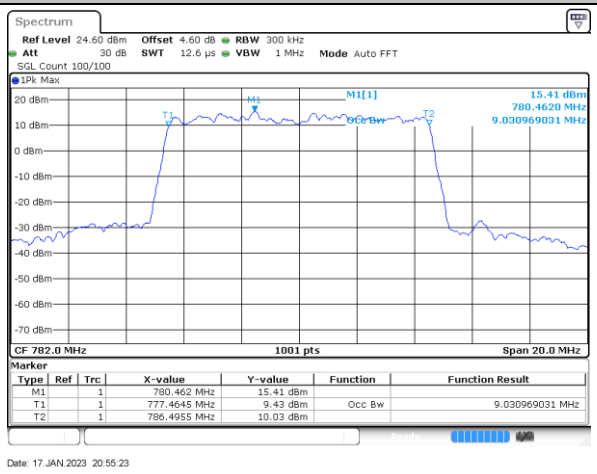


Middle Channel / 5MHz / 16QAM

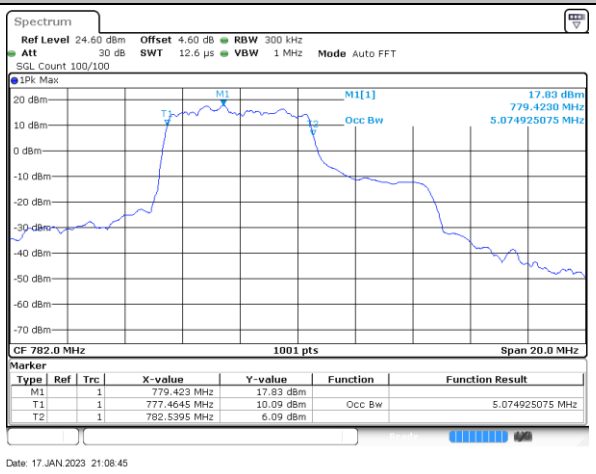


LTE Band 13

Middle Channel / 10MHz / QPSK



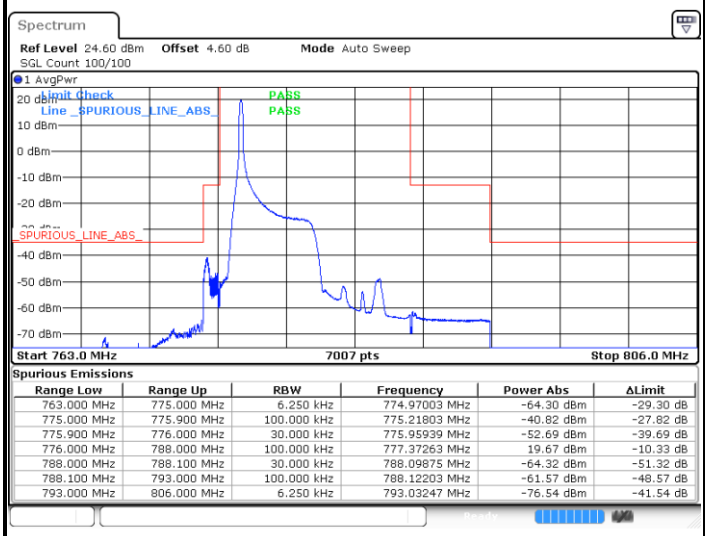
Middle Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

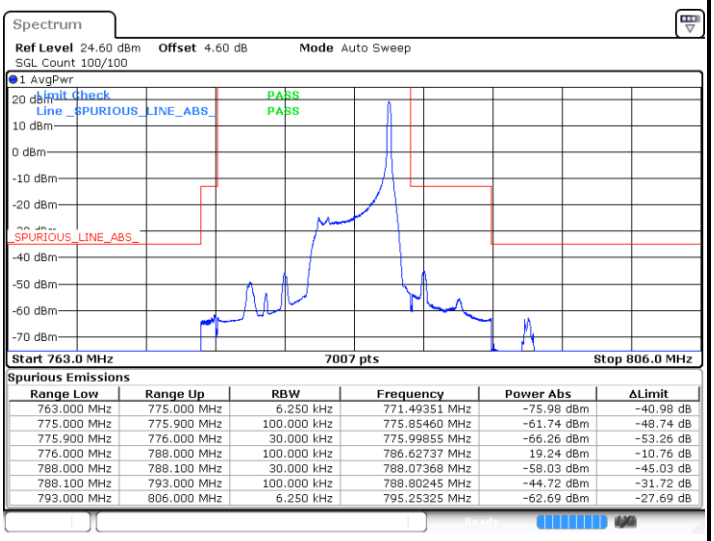


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-64.30 dBm	-29.30 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.21803 MHz	-40.82 dBm	-27.82 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95939 MHz	-52.69 dBm	-39.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	19.67 dBm	-10.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09875 MHz	-64.32 dBm	-51.32 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-61.57 dBm	-48.57 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-76.54 dBm	-41.54 dB

Date: 17.JAN.2023 20:29:03

Highest Band Edge / 1 RB

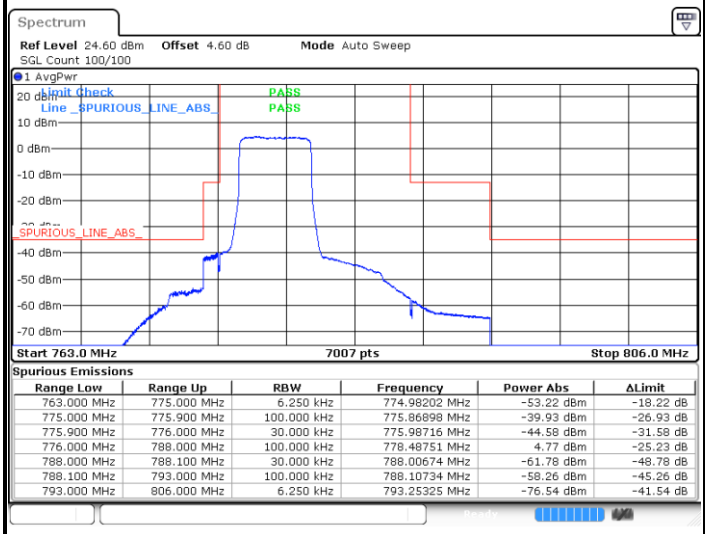


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.49351 MHz	-75.98 dBm	-40.98 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85460 MHz	-61.74 dBm	-48.74 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99855 MHz	-66.26 dBm	-53.26 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	19.24 dBm	-10.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07368 MHz	-58.03 dBm	-45.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.80245 MHz	-44.72 dBm	-31.72 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.25325 MHz	-62.69 dBm	-27.69 dB

Date: 17.JAN.2023 20:39:03

Lowest Band Edge / Full RB

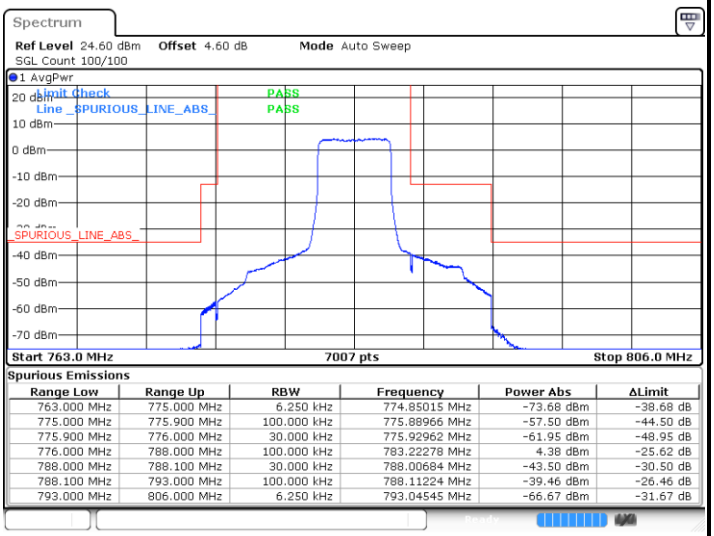


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-53.22 dBm	-18.22 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86898 MHz	-39.93 dBm	-26.93 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98716 MHz	-44.58 dBm	-31.58 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.48751 MHz	4.77 dBm	-25.23 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00674 MHz	-61.78 dBm	-48.78 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-58.26 dBm	-45.26 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.25325 MHz	-76.54 dBm	-41.54 dB

Date: 17.JAN.2023 20:34:33

Highest Band Edge / Full RB



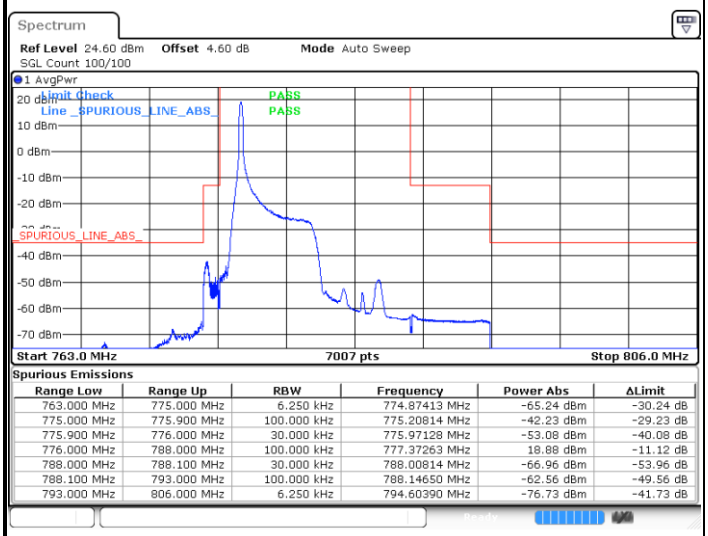
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85015 MHz	-73.68 dBm	-38.68 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88966 MHz	-57.50 dBm	-44.50 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92962 MHz	-61.95 dBm	-48.95 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.22278 MHz	4.38 dBm	-25.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00684 MHz	-43.50 dBm	-30.50 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-39.46 dBm	-26.46 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-66.67 dBm	-31.67 dB

Date: 17.JAN.2023 20:44:34

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

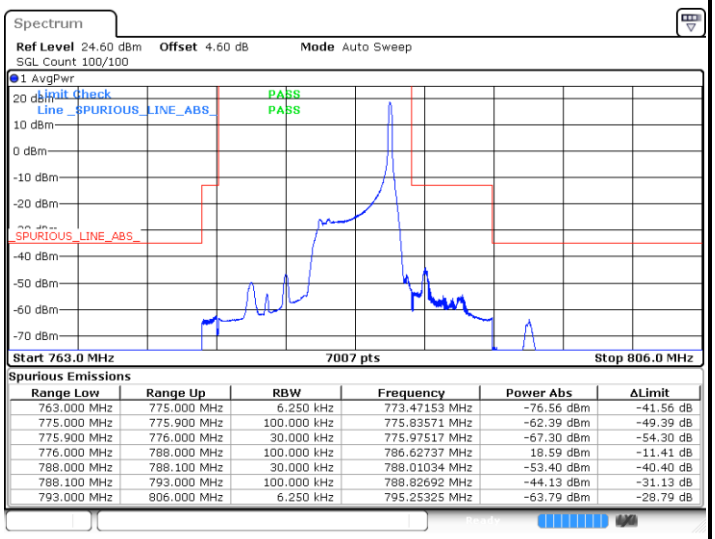


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-65.24 dBm	-30.24 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.20814 MHz	-42.23 dBm	-29.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97128 MHz	-53.08 dBm	-40.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	18.88 dBm	-11.12 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00814 MHz	-66.96 dBm	-53.96 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14650 MHz	-62.56 dBm	-49.56 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.60390 MHz	-76.73 dBm	-41.73 dB

Date: 17.JAN.2023 20:30:53

Highest Band Edge / 1 RB

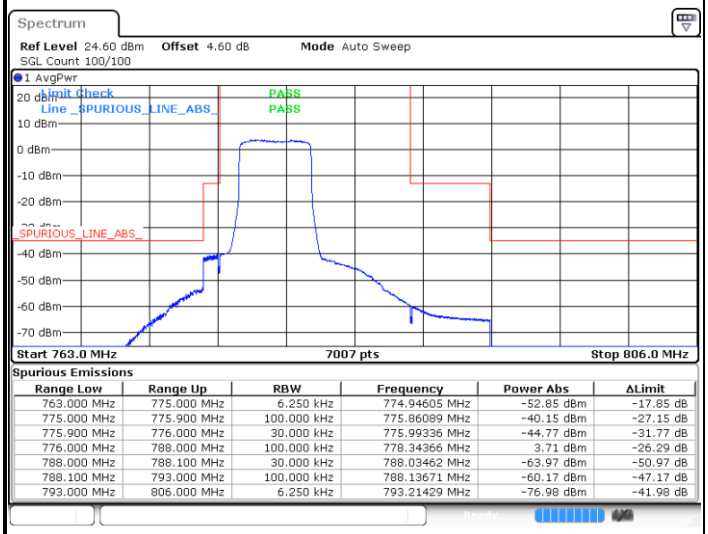


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.47153 MHz	-76.56 dBm	-41.56 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83571 MHz	-62.39 dBm	-49.39 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97517 MHz	-67.30 dBm	-54.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	18.59 dBm	-11.41 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01034 MHz	-53.40 dBm	-40.40 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.82692 MHz	-44.13 dBm	-31.13 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.25325 MHz	-63.79 dBm	-28.79 dB

Date: 17.JAN.2023 20:40:53

Lowest Band Edge / Full RB

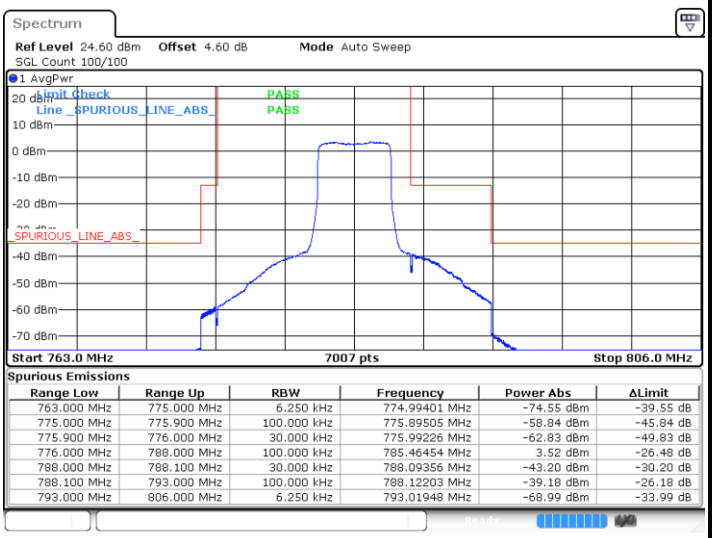


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-52.85 dBm	-17.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86089 MHz	-40.15 dBm	-27.15 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99336 MHz	-44.77 dBm	-31.77 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.34366 MHz	3.71 dBm	-26.29 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03462 MHz	-63.97 dBm	-50.97 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13671 MHz	-60.17 dBm	-47.17 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.21429 MHz	-76.98 dBm	-41.98 dB

Date: 17.JAN.2023 20:32:43

Highest Band Edge / Full RB



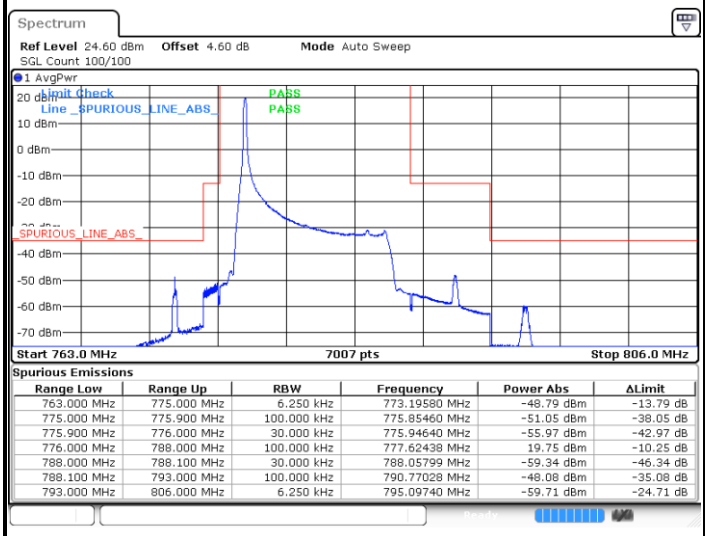
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-74.55 dBm	-39.55 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89505 MHz	-58.84 dBm	-45.84 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99226 MHz	-62.83 dBm	-49.83 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.46454 MHz	3.52 dBm	-26.48 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09356 MHz	-43.20 dBm	-30.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-39.18 dBm	-26.18 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-68.99 dBm	-33.99 dB

Date: 17.JAN.2023 20:42:44

LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

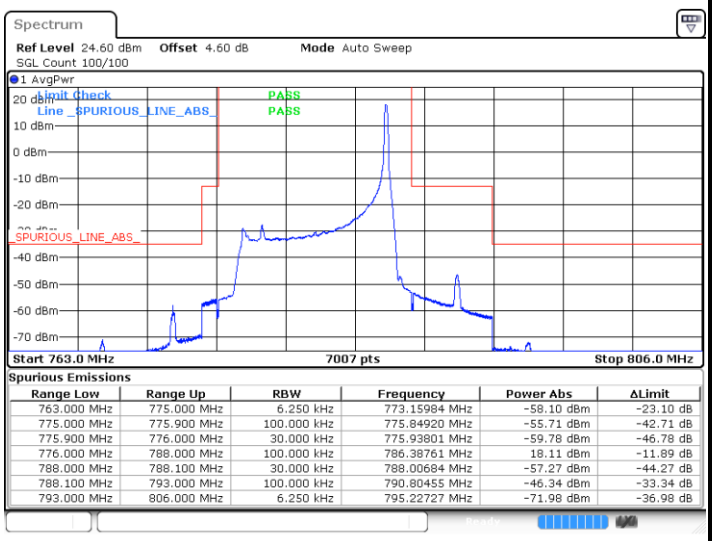


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.19580 MHz	-48.79 dBm	-13.79 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85460 MHz	-51.05 dBm	-38.05 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94640 MHz	-55.97 dBm	-42.97 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.62438 MHz	19.75 dBm	-10.25 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05799 MHz	-59.34 dBm	-46.34 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.77028 MHz	-48.08 dBm	-35.08 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.09740 MHz	-59.71 dBm	-24.71 dB

Date: 17.JAN.2023 20:47:44

middle Band Edge / 1 RB

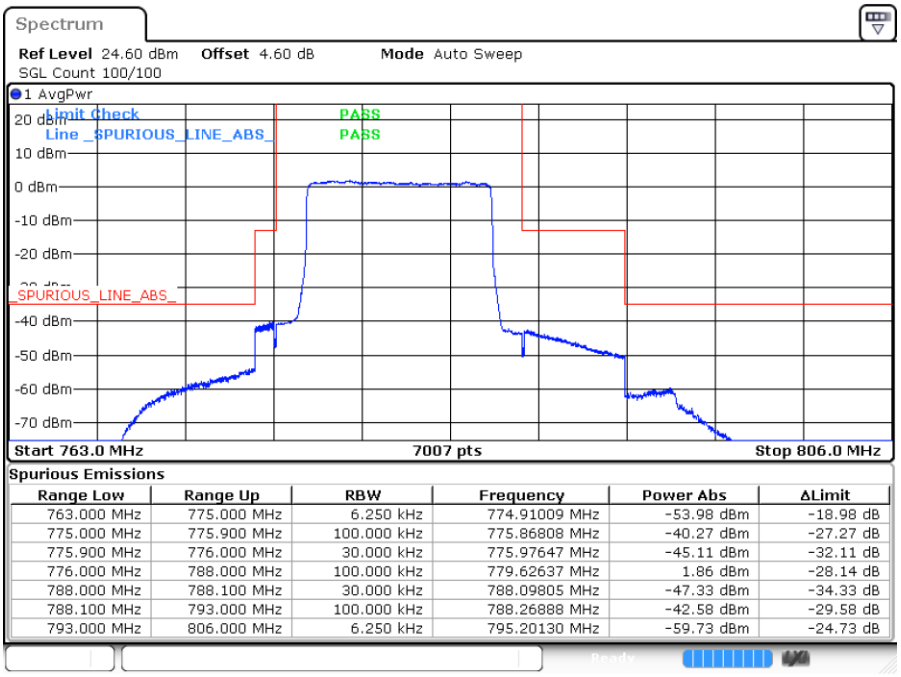


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.15984 MHz	-58.10 dBm	-23.10 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84920 MHz	-55.71 dBm	-42.71 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93801 MHz	-59.78 dBm	-46.78 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	18.11 dBm	-11.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00684 MHz	-57.27 dBm	-44.27 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.80455 MHz	-46.34 dBm	-33.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22727 MHz	-71.98 dBm	-36.98 dB

Date: 17.JAN.2023 20:53:12

middle Band Edge / Full RB



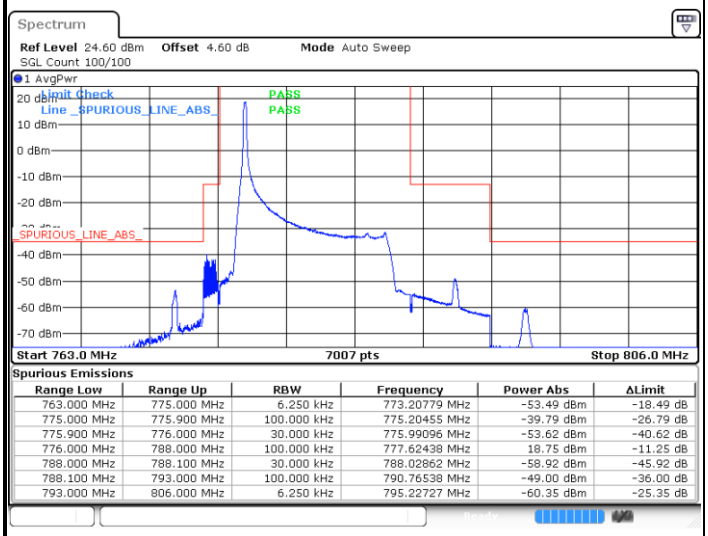
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.91009 MHz	-53.98 dBm	-18.98 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86808 MHz	-40.27 dBm	-27.27 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97647 MHz	-45.11 dBm	-32.11 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.62637 MHz	1.86 dBm	-28.14 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09805 MHz	-47.33 dBm	-34.33 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.26888 MHz	-42.58 dBm	-29.58 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20130 MHz	-59.73 dBm	-24.73 dB

Date: 17.JAN.2023 20:55:02

LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB

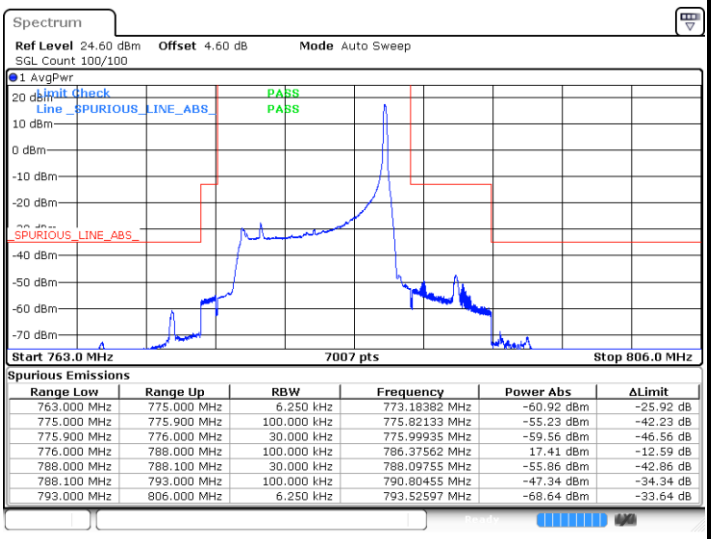


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.20779 MHz	-53.49 dBm	-18.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.20455 MHz	-39.79 dBm	-26.79 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99096 MHz	-53.62 dBm	-40.62 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.62438 MHz	18.75 dBm	-11.25 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02862 MHz	-58.92 dBm	-45.92 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.76538 MHz	-49.00 dBm	-36.00 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.22727 MHz	-60.35 dBm	-25.35 dB

Date: 17.JAN.2023 20:49:34

middle Band Edge / 1 RB

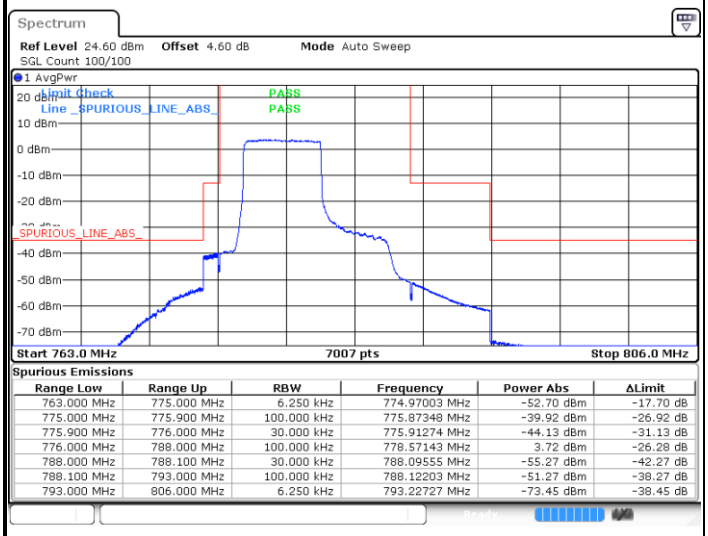


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18382 MHz	-60.92 dBm	-25.92 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82133 MHz	-55.23 dBm	-42.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99935 MHz	-59.56 dBm	-46.56 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.37562 MHz	17.41 dBm	-12.59 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09755 MHz	-55.86 dBm	-42.86 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.80455 MHz	-47.34 dBm	-34.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.52597 MHz	-68.64 dBm	-33.64 dB

Date: 17.JAN.2023 20:51:23

middle Band Edge / 27 RB 0

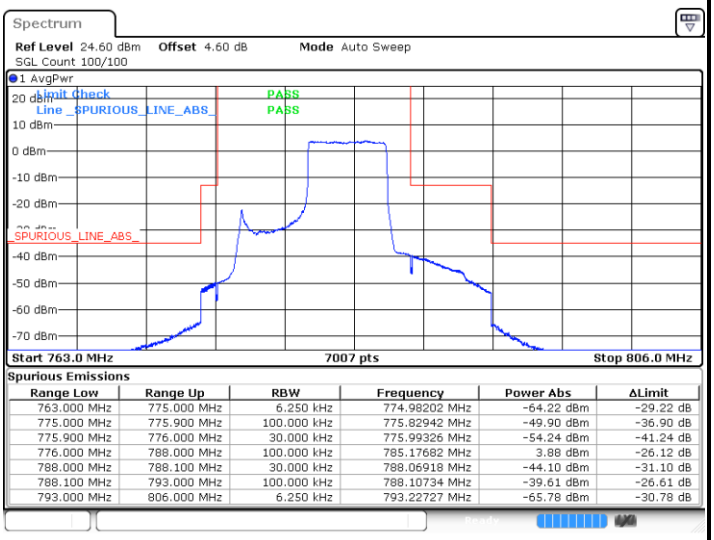


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-52.70 dBm	-17.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87348 MHz	-39.92 dBm	-26.92 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91274 MHz	-44.13 dBm	-31.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.57143 MHz	3.72 dBm	-26.28 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09555 MHz	-55.27 dBm	-42.27 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-51.27 dBm	-38.27 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.22727 MHz	-73.45 dBm	-38.45 dB

Date: 17.JAN.2023 21:14:36

middle Band Edge / 27 RB 23



Spurious Emissions

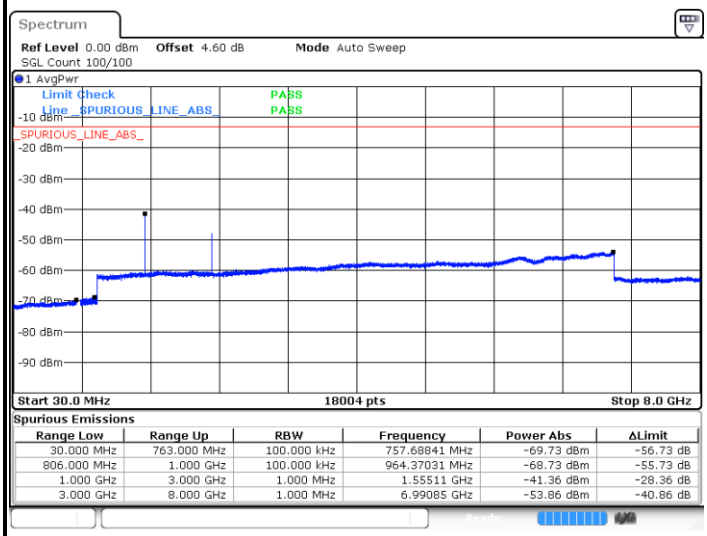
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-64.22 dBm	-29.22 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82942 MHz	-49.90 dBm	-36.90 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99326 MHz	-54.24 dBm	-41.24 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.17682 MHz	3.88 dBm	-26.12 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06918 MHz	-44.10 dBm	-31.10 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-39.61 dBm	-26.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.22727 MHz	-65.78 dBm	-30.78 dB

Date: 17.JAN.2023 21:17:11

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

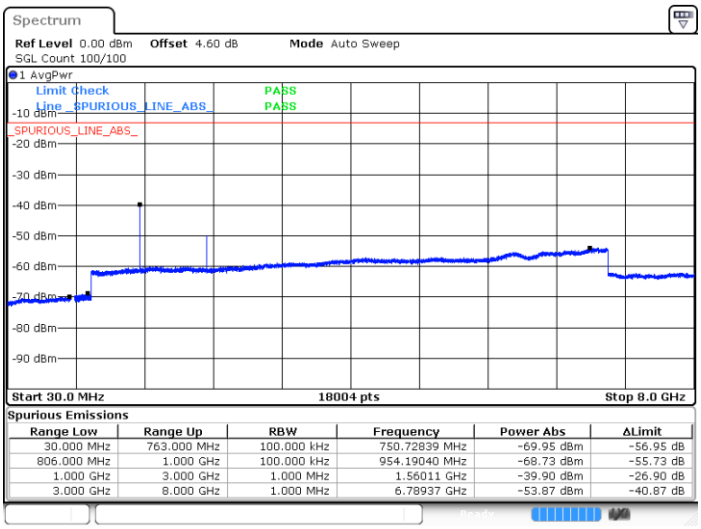


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	757.68841 MHz	-69.73 dBm	-56.73 dB
806.000 MHz	1.000 GHz	100.000 kHz	964.37031 MHz	-68.73 dBm	-55.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-41.36 dBm	-28.36 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99085 GHz	-53.86 dBm	-40.86 dB

Date: 17.JAN.2023 20:27:13

Middle Channel / QPSK

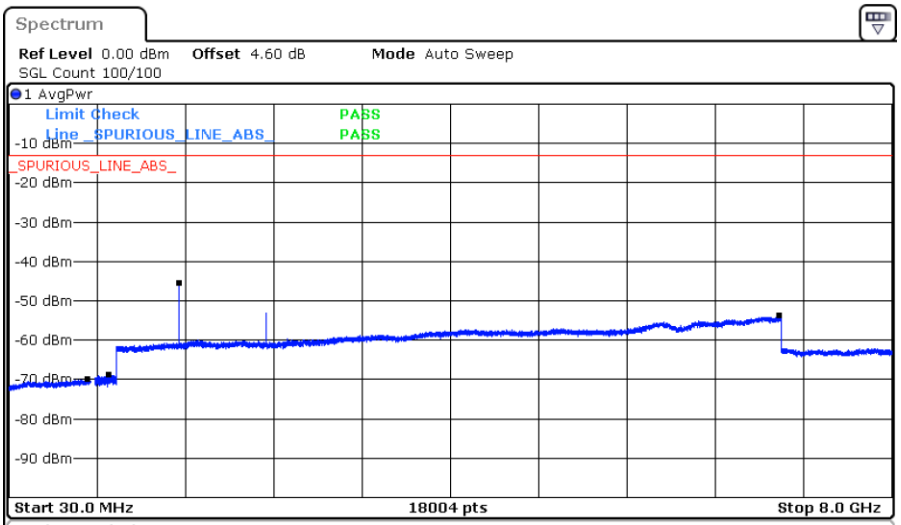


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	750.72839 MHz	-69.95 dBm	-56.95 dB
806.000 MHz	1.000 GHz	100.000 kHz	954.19040 MHz	-68.73 dBm	-55.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-39.90 dBm	-26.90 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.78937 GHz	-53.87 dBm	-40.87 dB

Date: 17.JAN.2023 20:35:53

Highest Channel / QPSK



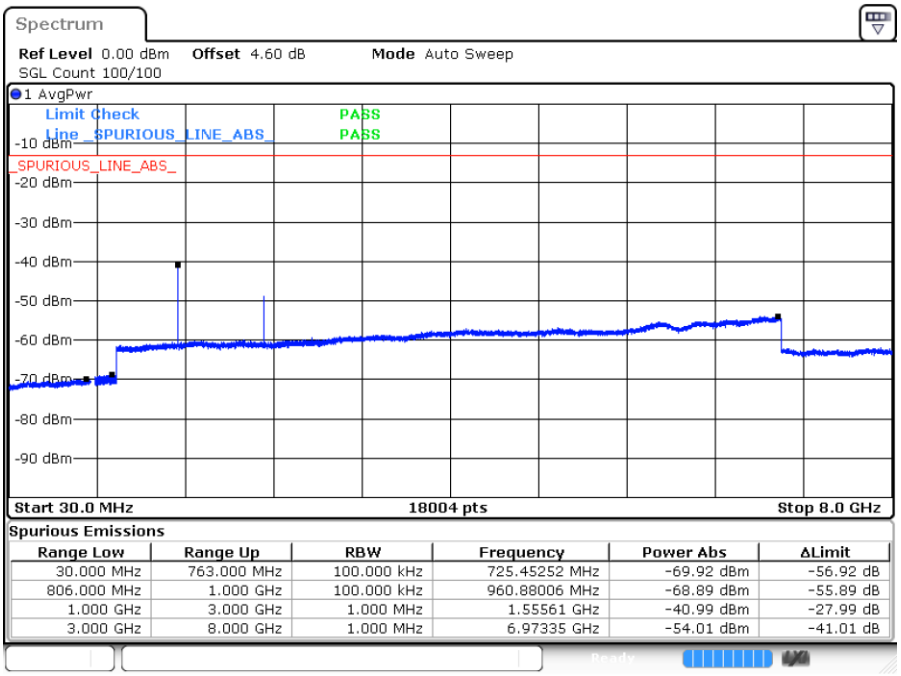
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	731.67991 MHz	-69.92 dBm	-56.92 dB
806.000 MHz	1.000 GHz	100.000 kHz	926.75312 MHz	-68.80 dBm	-55.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-45.48 dBm	-32.48 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.97785 GHz	-53.74 dBm	-40.74 dB

Date: 17.JAN.2023 20:37:12

LTE Band 13 / 10MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	725.45252 MHz	-69.92 dBm	-56.92 dB
806.000 MHz	1.000 GHz	100.000 kHz	960.88006 MHz	-68.89 dBm	-55.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-40.99 dBm	-27.99 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.97335 GHz	-54.01 dBm	-41.01 dB

Date: 17.JAN.2023 20:45:54

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0056	
20	Maximum Voltage	0.0064	
20	Normal Voltage	0.0002	
20	End Point	0.0026	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

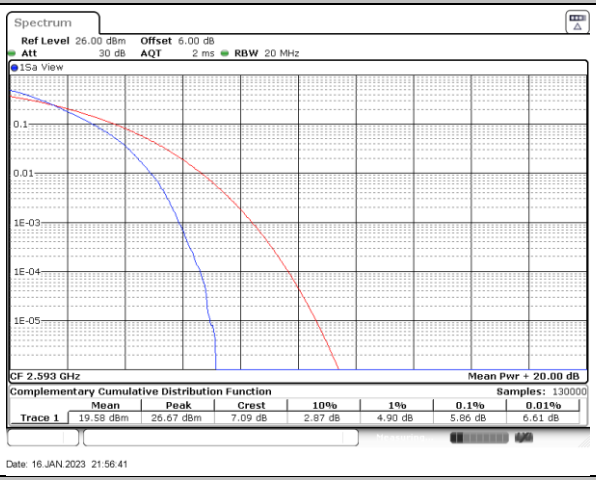
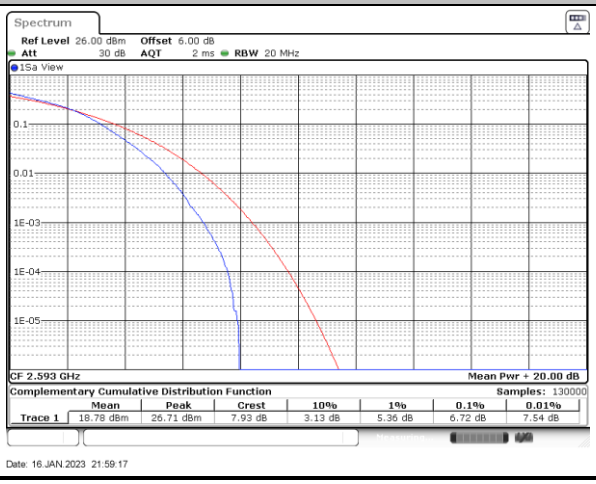
LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.86	6.72	PASS

LTE Band 41 / 20MHz

Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM