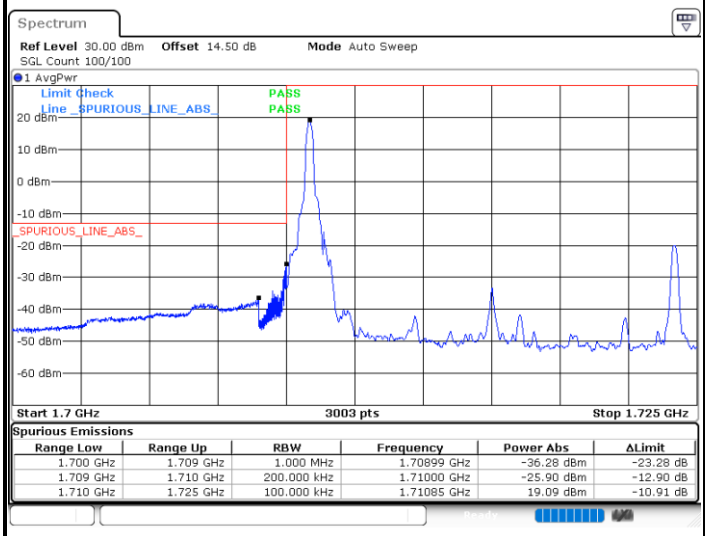
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

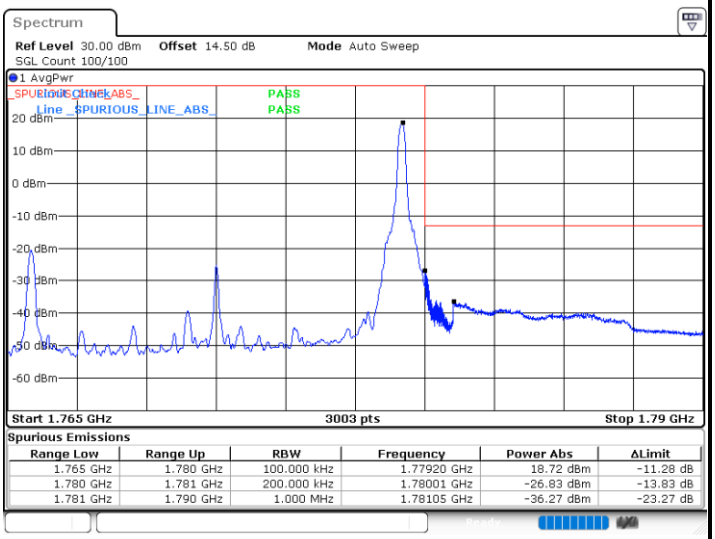


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-36.28 dBm	-23.28 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-25.90 dBm	-12.90 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	19.09 dBm	-10.91 dB

Date: 26.DEC.2023 20:28:50

Highest Band Edge / 1 RB

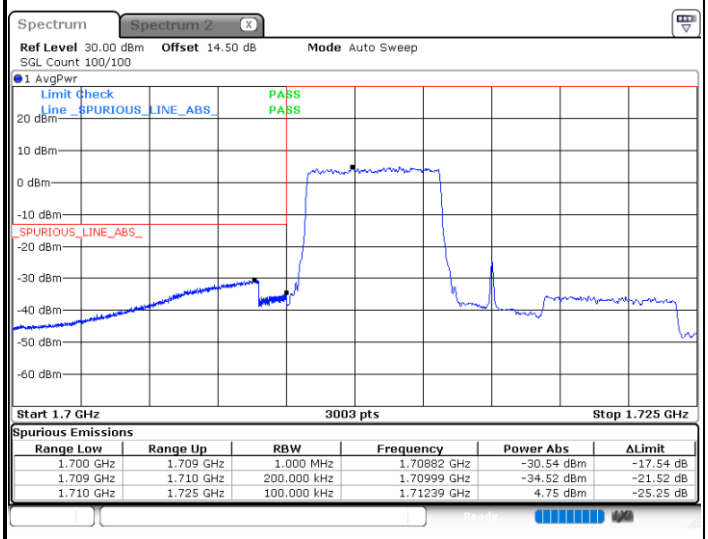


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77920 GHz	18.72 dBm	-11.28 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78001 GHz	-26.83 dBm	-13.83 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78105 GHz	-36.27 dBm	-23.27 dB

Date: 26.DEC.2023 20:34:52

Lowest Band Edge / Full RB

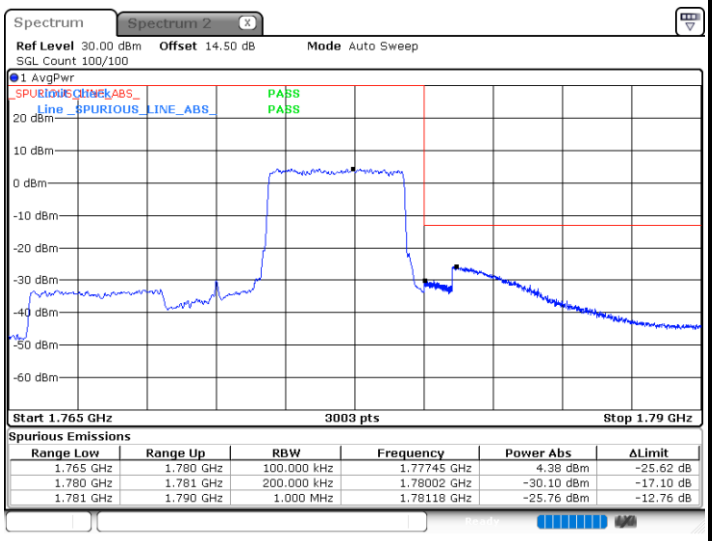


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-30.54 dBm	-17.54 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-34.52 dBm	-21.52 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71239 GHz	4.75 dBm	-25.25 dB

Date: 11.JAN.2024 15:29:41

Highest Band Edge / Full RB



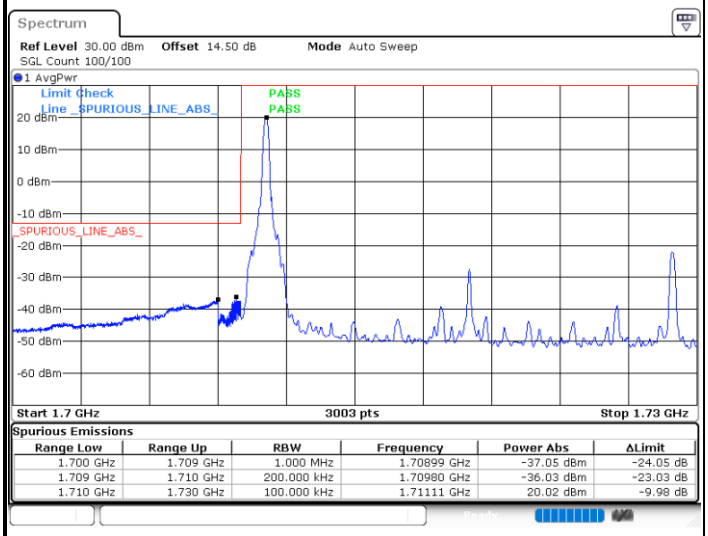
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77745 GHz	4.38 dBm	-25.62 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78002 GHz	-30.10 dBm	-17.10 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78118 GHz	-25.76 dBm	-12.76 dB

Date: 11.JAN.2024 21:12:52

LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1RB

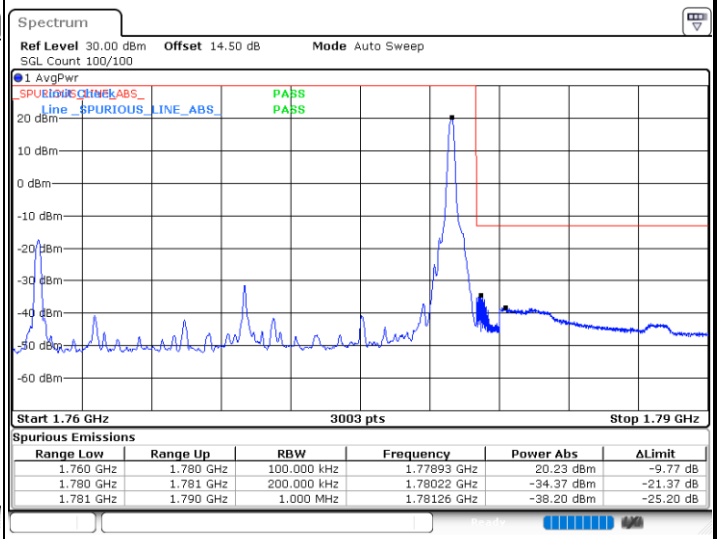


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-37.05 dBm	-24.05 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70980 GHz	-36.03 dBm	-23.03 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71111 GHz	20.02 dBm	-9.98 dB

Date: 26.DEC.2023 20:38:46

Highest Band Edge / 1RB

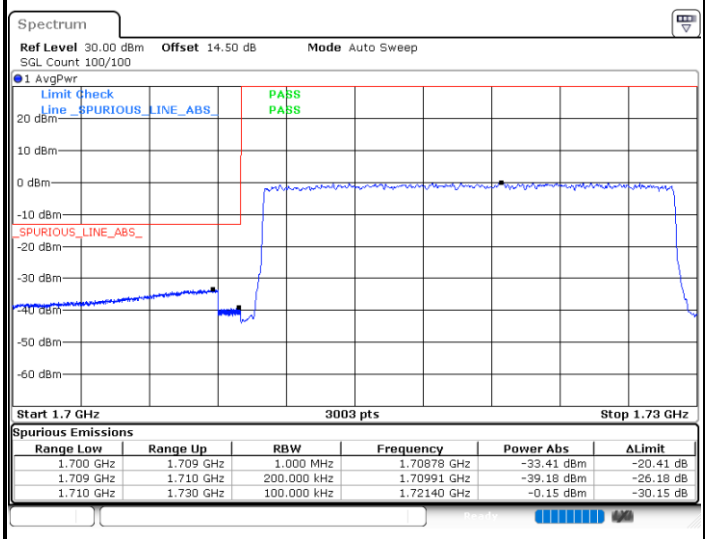


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77893 GHz	20.23 dBm	-9.77 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78022 GHz	-34.37 dBm	-21.37 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78126 GHz	-38.20 dBm	-25.20 dB

Date: 26.DEC.2023 20:48:03

Lowest Band Edge / Full RB

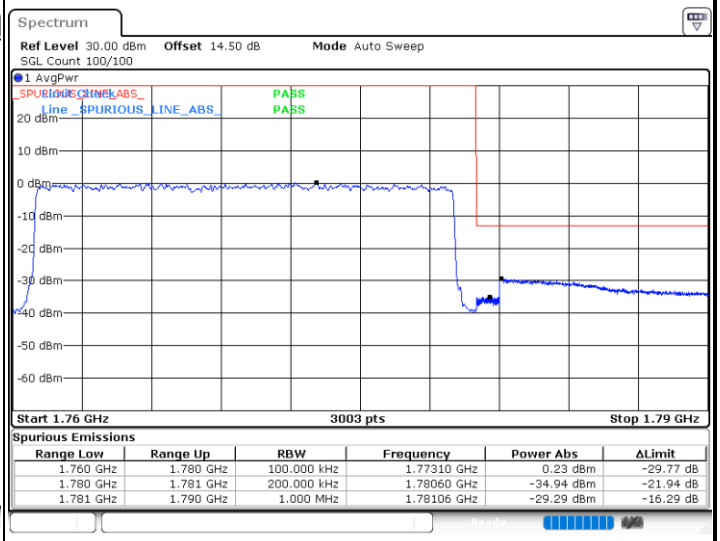


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70878 GHz	-33.41 dBm	-20.41 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70991 GHz	-39.18 dBm	-26.18 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72140 GHz	-0.15 dBm	-30.15 dB

Date: 26.DEC.2023 20:40:48

Highest Band Edge / Full RB



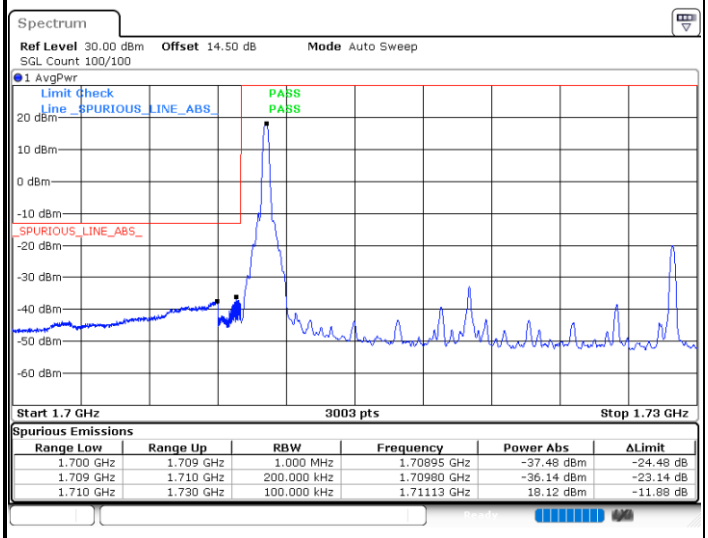
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77310 GHz	0.23 dBm	-29.77 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78060 GHz	-34.94 dBm	-21.94 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78106 GHz	-29.29 dBm	-16.29 dB

Date: 26.DEC.2023 20:50:38

LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

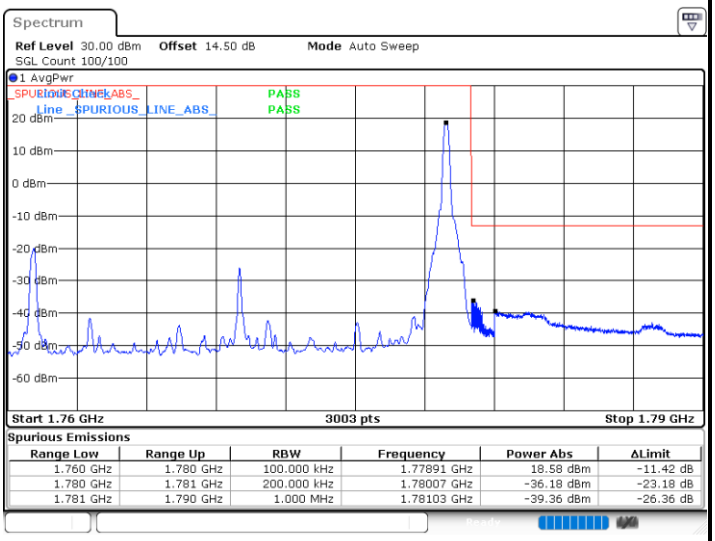


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-37.48 dBm	-24.48 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70980 GHz	-36.14 dBm	-23.14 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71113 GHz	18.12 dBm	-11.88 dB

Date: 26.DEC.2023 20:39:47

Highest Band Edge / 1 RB

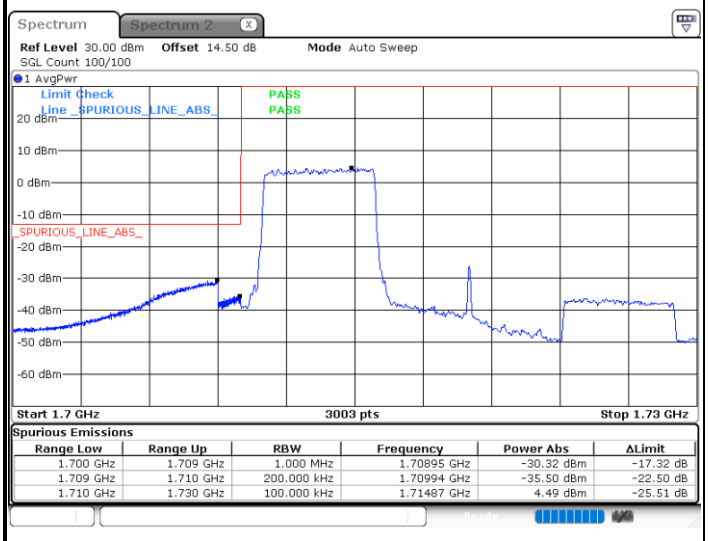


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77891 GHz	18.58 dBm	-11.42 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78007 GHz	-36.18 dBm	-23.18 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78103 GHz	-39.36 dBm	-26.36 dB

Date: 26.DEC.2023 20:48:23

Lowest Band Edge / Full RB

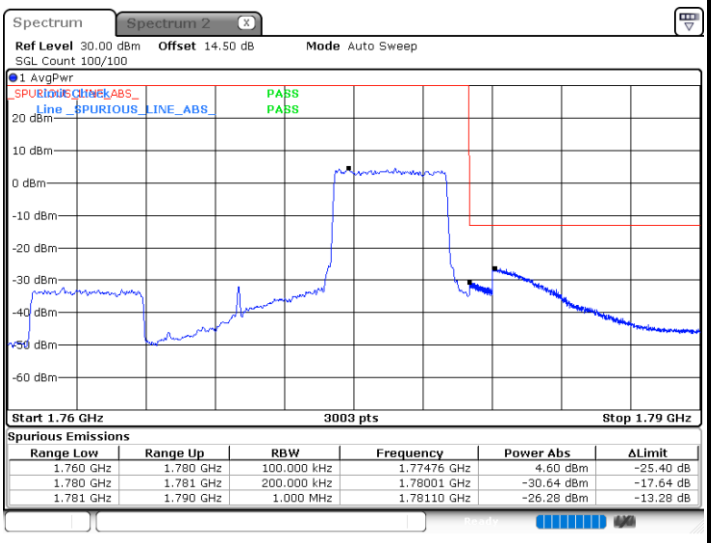


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-30.32 dBm	-17.32 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70994 GHz	-35.50 dBm	-22.50 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71487 GHz	4.49 dBm	-25.51 dB

Date: 11.JAN.2024 15:30:49

Highest Band Edge / Full RB



Spurious Emissions

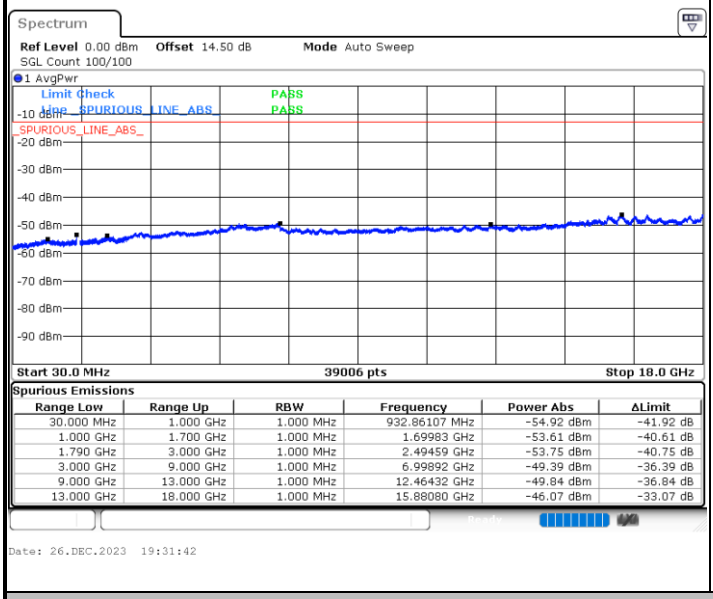
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77476 GHz	4.60 dBm	-25.40 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78001 GHz	-30.64 dBm	-17.64 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78110 GHz	-26.28 dBm	-13.28 dB

Date: 11.JAN.2024 21:14:06

Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

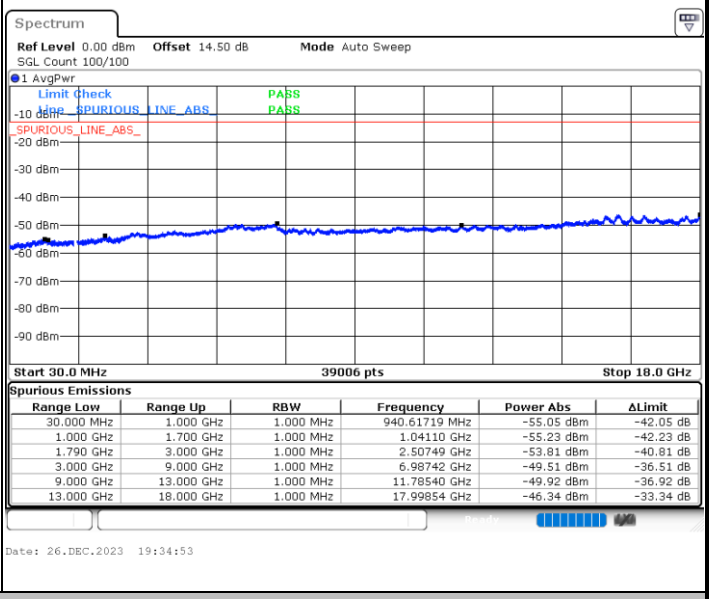


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.86107 MHz	-54.92 dBm	-41.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.61 dBm	-40.61 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49459 GHz	-53.75 dBm	-40.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-49.39 dBm	-36.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.46432 GHz	-49.84 dBm	-36.84 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.88080 GHz	-46.07 dBm	-33.07 dB

Date: 26.DEC.2023 19:31:42

Middle Channel / QPSK

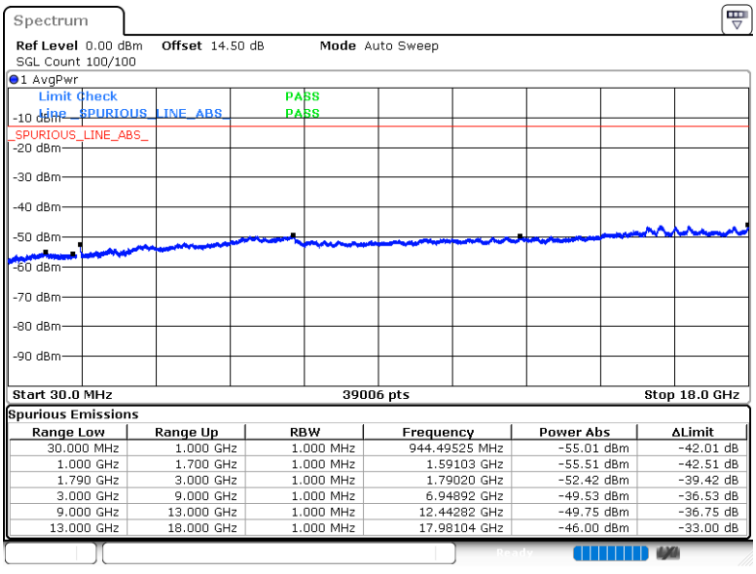


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.61719 MHz	-55.05 dBm	-42.05 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.04110 GHz	-55.23 dBm	-42.23 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.50749 GHz	-53.81 dBm	-40.81 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98742 GHz	-49.51 dBm	-36.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.78540 GHz	-49.92 dBm	-36.92 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.99854 GHz	-46.34 dBm	-33.34 dB

Date: 26.DEC.2023 19:34:53

Highest Channel / QPSK



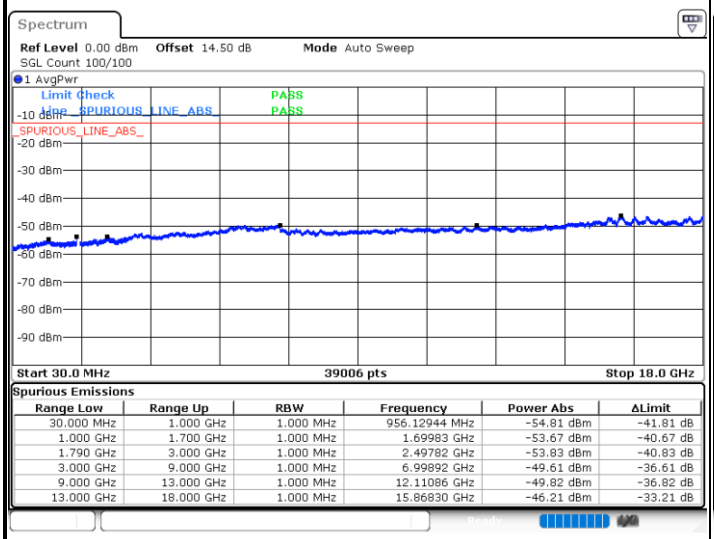
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59103 GHz	-55.51 dBm	-42.51 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79020 GHz	-52.42 dBm	-39.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94892 GHz	-49.53 dBm	-36.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.44282 GHz	-49.75 dBm	-36.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.98104 GHz	-46.00 dBm	-33.00 dB

Date: 26.DEC.2023 19:39:24

LTE Band 66 / 3MHz

Lowest Channel / QPSK

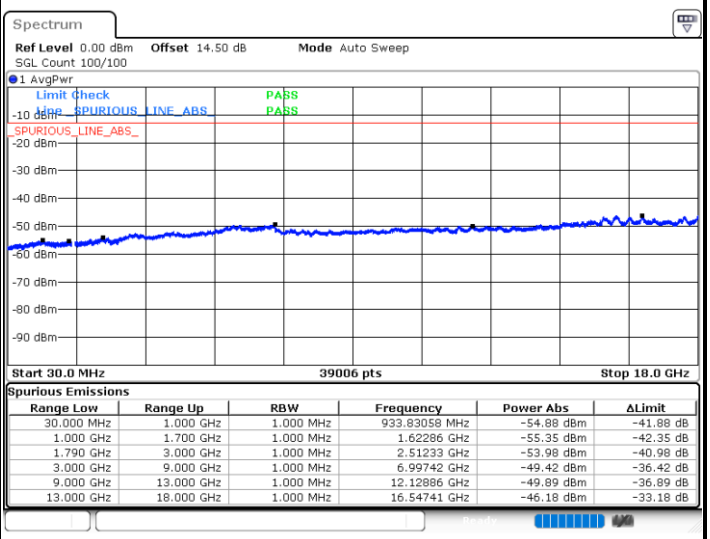


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.12944 MHz	-54.81 dBm	-41.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.67 dBm	-40.67 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49782 GHz	-53.83 dBm	-40.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-49.61 dBm	-36.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.11086 GHz	-49.82 dBm	-36.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86830 GHz	-46.21 dBm	-33.21 dB

Date: 26.DEC.2023 19:49:04

Middle Channel / QPSK

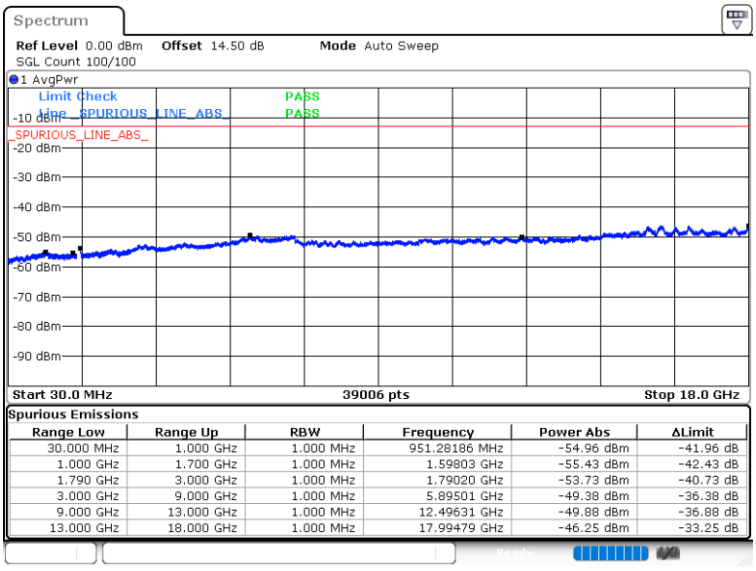


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-54.88 dBm	-41.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62286 GHz	-55.35 dBm	-42.35 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.51233 GHz	-53.98 dBm	-40.98 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-49.42 dBm	-36.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.12886 GHz	-49.89 dBm	-36.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54741 GHz	-46.18 dBm	-33.18 dB

Date: 26.DEC.2023 19:52:16

Highest Channel / QPSK



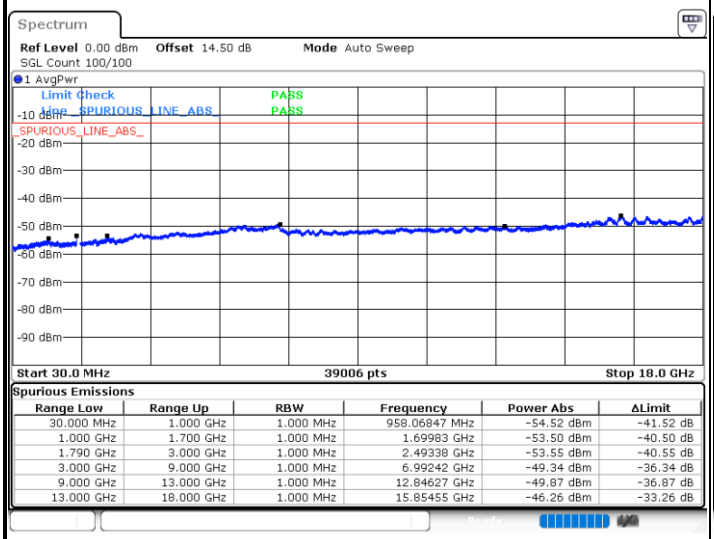
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59803 GHz	-55.43 dBm	-42.43 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79020 GHz	-53.73 dBm	-40.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.89501 GHz	-49.38 dBm	-36.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.49631 GHz	-49.88 dBm	-36.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.99479 GHz	-46.25 dBm	-33.25 dB

Date: 26.DEC.2023 19:58:48

LTE Band 66 / 5MHz

Lowest Channel / QPSK

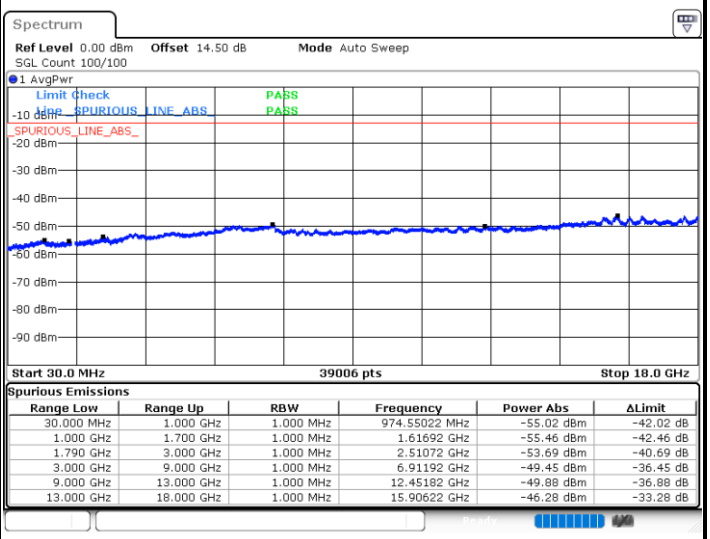


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.06847 MHz	-54.52 dBm	-41.52 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.50 dBm	-40.50 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49338 GHz	-53.55 dBm	-40.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99242 GHz	-49.34 dBm	-36.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84627 GHz	-49.87 dBm	-36.87 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.85455 GHz	-46.26 dBm	-33.26 dB

Date: 26.DEC.2023 20:03:14

Middle Channel / QPSK

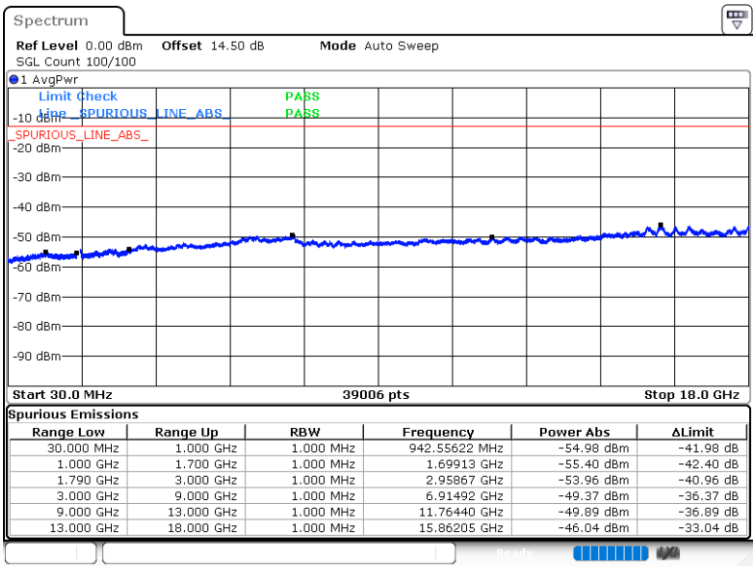


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-55.02 dBm	-42.02 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61692 GHz	-55.46 dBm	-42.46 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.51072 GHz	-53.69 dBm	-40.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91192 GHz	-49.45 dBm	-36.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.45182 GHz	-49.88 dBm	-36.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.90622 GHz	-46.28 dBm	-33.28 dB

Date: 26.DEC.2023 20:06:25

Highest Channel / QPSK



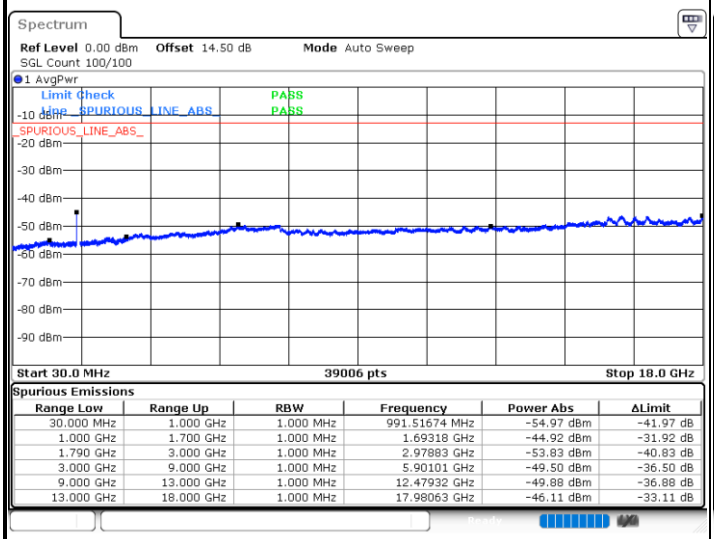
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-54.98 dBm	-41.98 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-55.40 dBm	-42.40 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.95867 GHz	-53.96 dBm	-40.96 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91492 GHz	-49.37 dBm	-36.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.76440 GHz	-49.89 dBm	-36.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86205 GHz	-46.04 dBm	-33.04 dB

Date: 26.DEC.2023 20:12:57

LTE Band 66 / 10MHz

Lowest Channel / QPSK

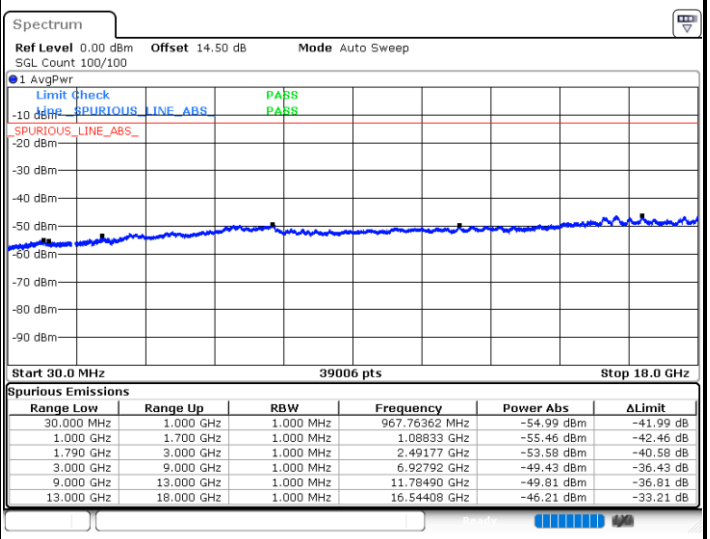


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-54.97 dBm	-41.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-44.92 dBm	-31.92 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.97883 GHz	-53.83 dBm	-40.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.90101 GHz	-49.50 dBm	-36.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.47932 GHz	-49.88 dBm	-36.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.98063 GHz	-46.11 dBm	-33.11 dB

Date: 26.DEC.2023 20:20:01

Middle Channel / QPSK

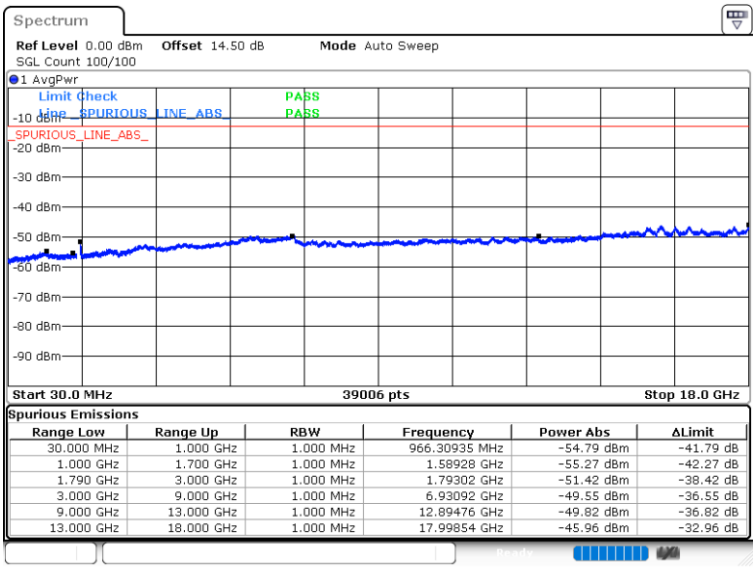


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.08833 GHz	-55.46 dBm	-42.46 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49177 GHz	-53.58 dBm	-40.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92792 GHz	-49.43 dBm	-36.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.78490 GHz	-49.81 dBm	-36.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.54408 GHz	-46.21 dBm	-33.21 dB

Date: 26.DEC.2023 20:21:10

Highest Channel / QPSK



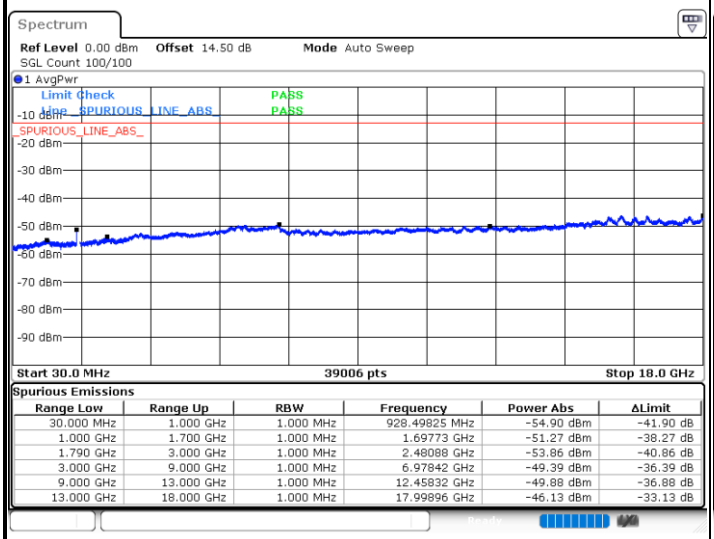
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.30935 MHz	-54.79 dBm	-41.79 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58928 GHz	-55.27 dBm	-42.27 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79302 GHz	-51.42 dBm	-38.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93092 GHz	-49.55 dBm	-36.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.89476 GHz	-49.82 dBm	-36.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.99854 GHz	-45.96 dBm	-32.96 dB

Date: 26.DEC.2023 20:26:03

LTE Band 66 / 15MHz

Lowest Channel / QPSK

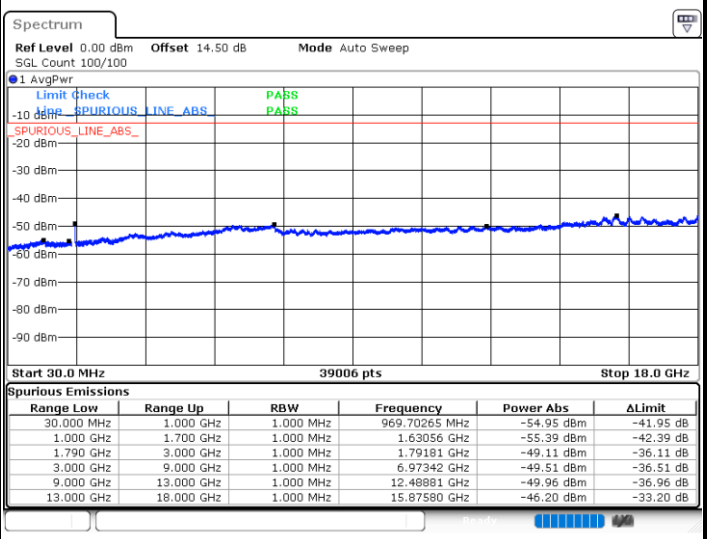


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-54.90 dBm	-41.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-51.27 dBm	-38.27 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.48088 GHz	-53.86 dBm	-40.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97842 GHz	-49.39 dBm	-36.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.45832 GHz	-49.88 dBm	-36.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.99896 GHz	-46.13 dBm	-33.13 dB

Date: 26.DEC.2023 20:31:01

Middle Channel / QPSK

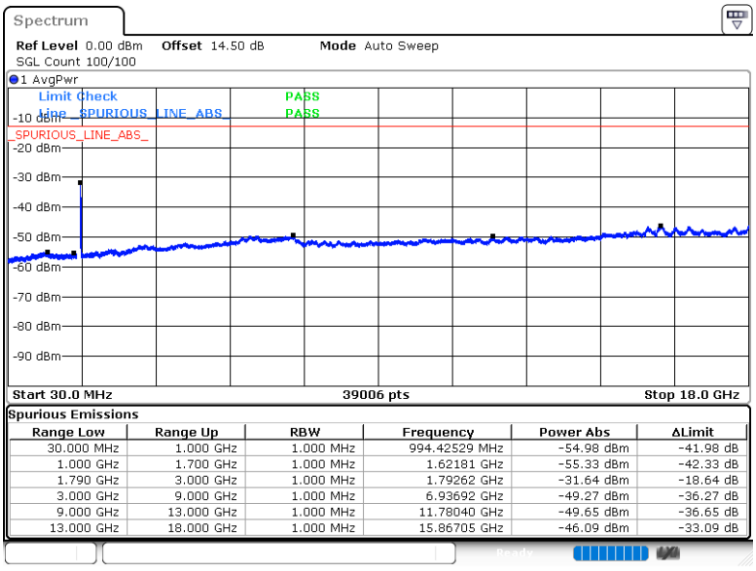


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-54.95 dBm	-41.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63056 GHz	-55.39 dBm	-42.39 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79181 GHz	-49.11 dBm	-36.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97342 GHz	-49.51 dBm	-36.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.48881 GHz	-49.96 dBm	-36.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.87580 GHz	-46.20 dBm	-33.20 dB

Date: 26.DEC.2023 20:32:11

Highest Channel / QPSK



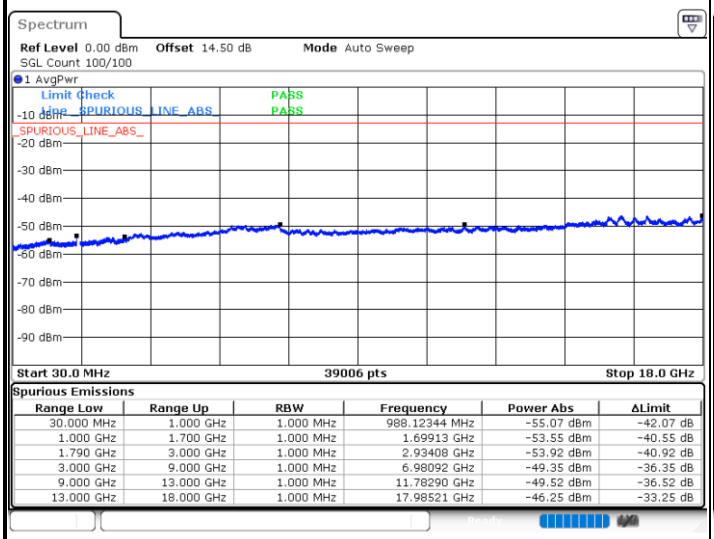
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-54.98 dBm	-41.98 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62181 GHz	-55.33 dBm	-42.33 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79262 GHz	-31.64 dBm	-18.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93692 GHz	-49.27 dBm	-36.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.78040 GHz	-49.65 dBm	-36.65 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86705 GHz	-46.09 dBm	-33.09 dB

Date: 26.DEC.2023 20:37:03

LTE Band 66 / 20MHz

Lowest Channel / QPSK

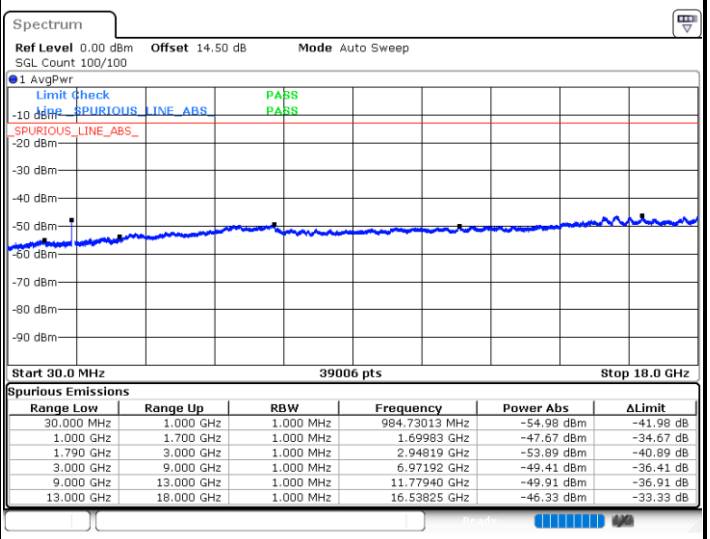


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-55.07 dBm	-42.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-53.55 dBm	-40.55 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.93408 GHz	-53.92 dBm	-40.92 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98092 GHz	-49.35 dBm	-36.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.78290 GHz	-49.52 dBm	-36.52 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.98521 GHz	-46.25 dBm	-33.25 dB

Date: 26.DEC.2023 20:41:58

Middle Channel / QPSK

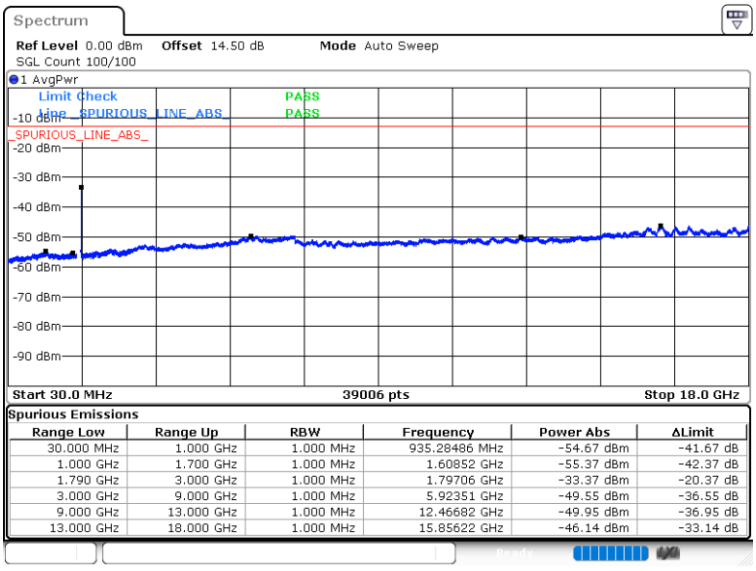


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-54.98 dBm	-41.98 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-47.67 dBm	-34.67 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.94819 GHz	-53.89 dBm	-40.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97192 GHz	-49.41 dBm	-36.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.77940 GHz	-49.91 dBm	-36.91 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.53825 GHz	-46.33 dBm	-33.33 dB

Date: 26.DEC.2023 20:43:08

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-54.67 dBm	-41.67 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60852 GHz	-55.37 dBm	-42.37 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79706 GHz	-33.37 dBm	-20.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.92351 GHz	-49.55 dBm	-36.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.46682 GHz	-49.95 dBm	-36.95 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.85622 GHz	-46.14 dBm	-33.14 dB

Date: 26.DEC.2023 20:49:36

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	End Point	0.0006	

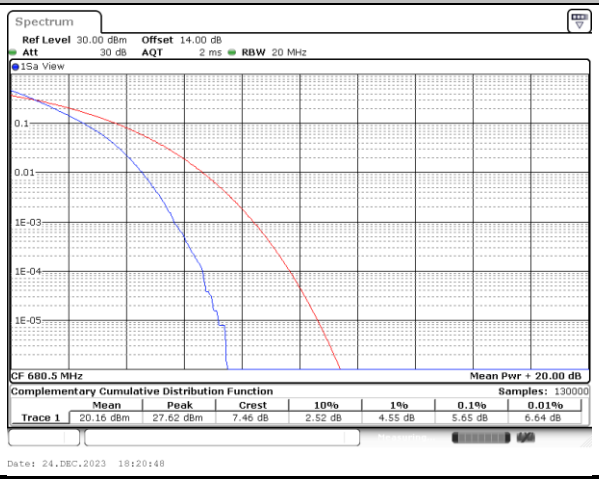
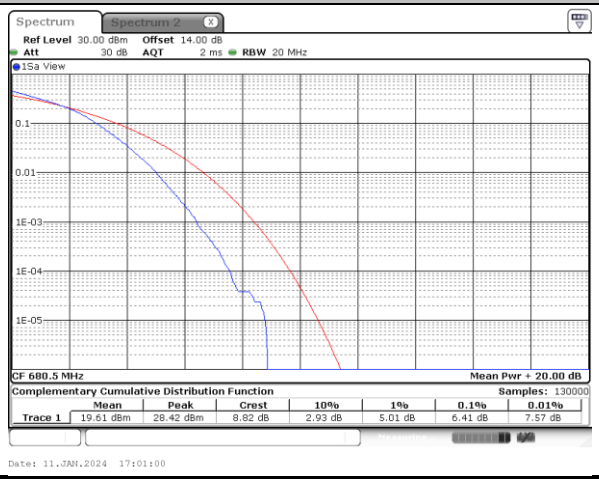
Note:

1. Normal Voltage = 3.8 V. ; End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.65	6.41	PASS

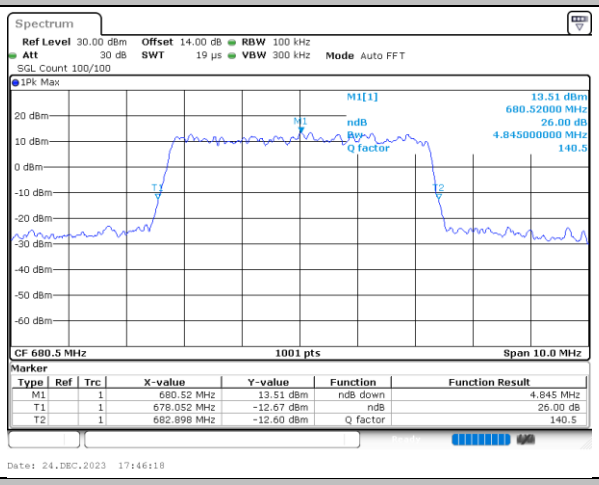
LTE Band 71 / 20MHz / QPSK	LTE Band 71 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

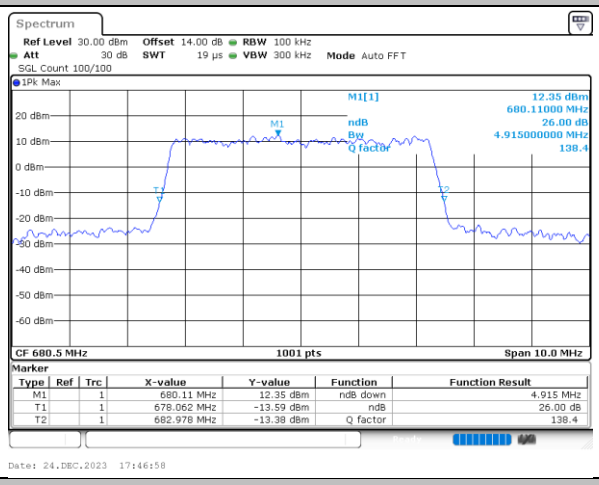
Mode	LTE Band 71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.85	4.92	10.01	5.51	14.24	5.60	18.86	5.75

LTE Band 71

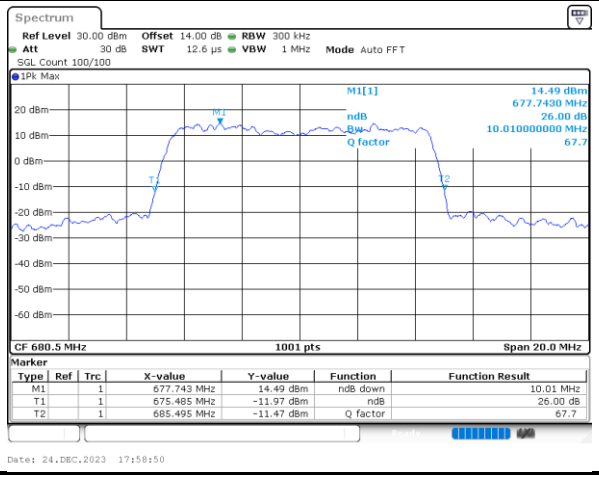
Middle Channel / 5MHz / QPSK



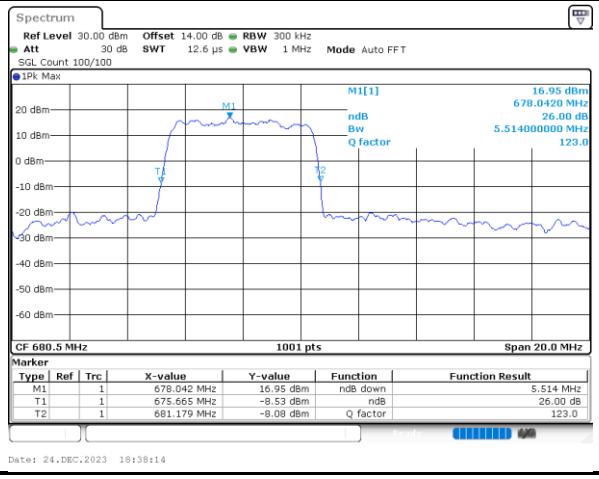
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

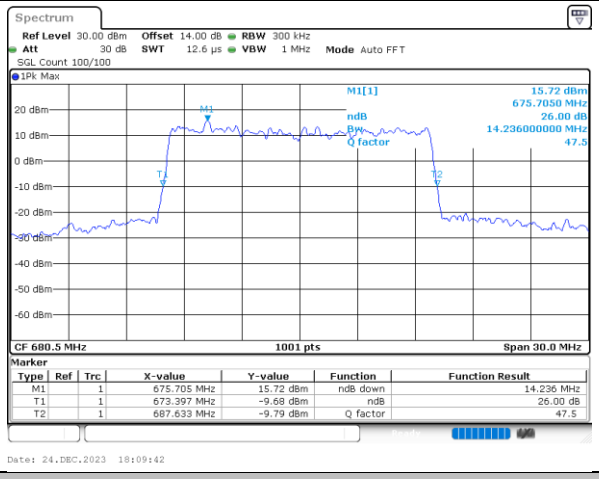


Middle Channel / 10MHz / 16QAM

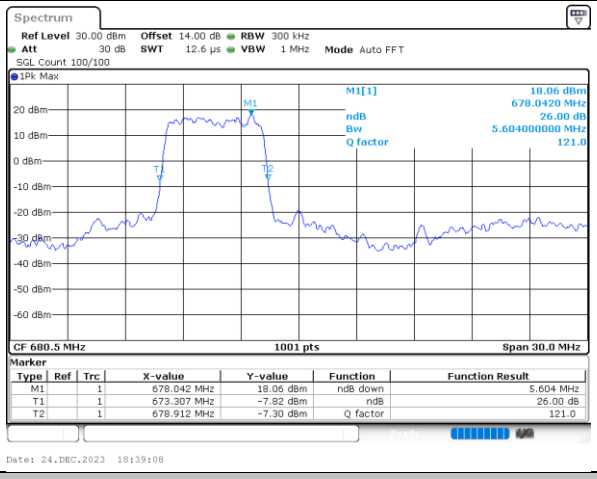


LTE Band 71

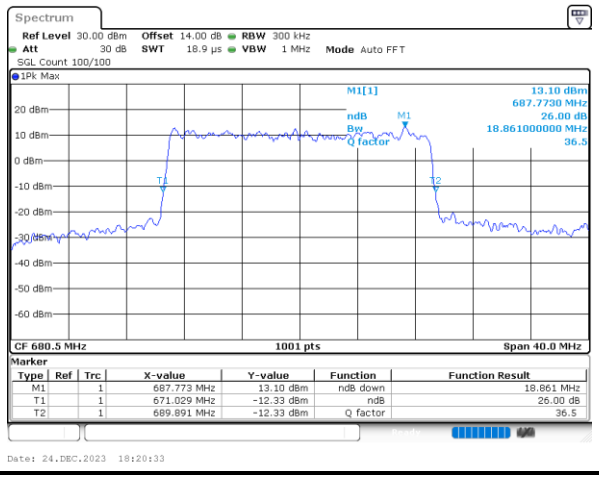
Middle Channel / 15MHz / QPSK



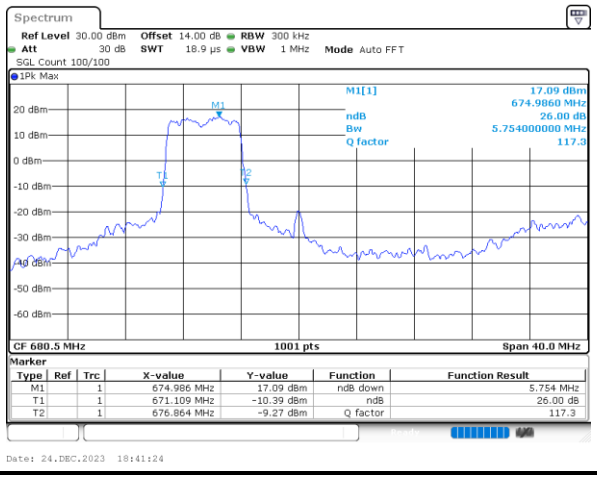
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

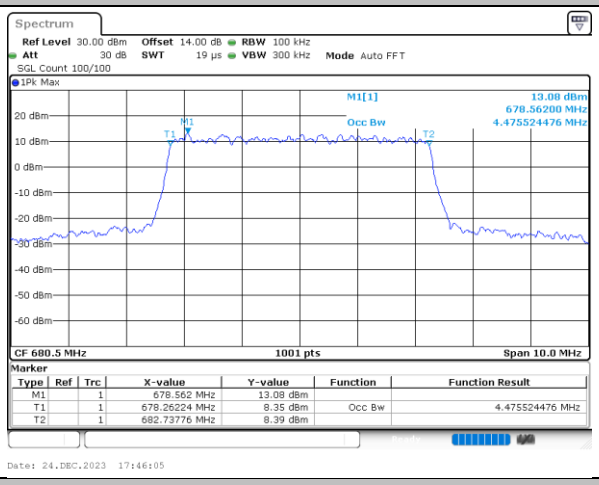


Occupied Bandwidth

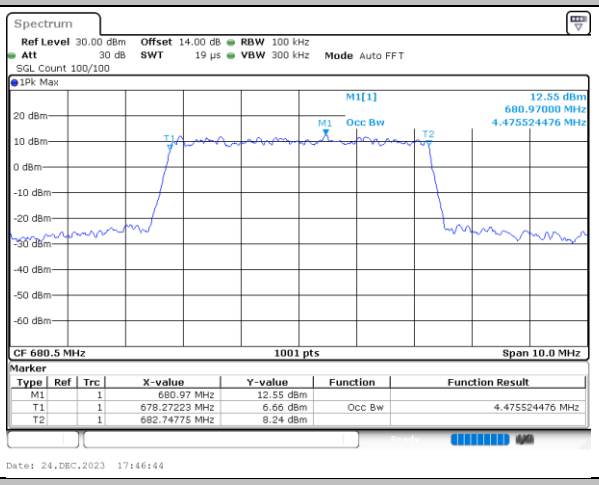
Mode	LTE Band 71 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.48	9.03	5.03	13.49	5.00	17.86	5.00

LTE Band 71

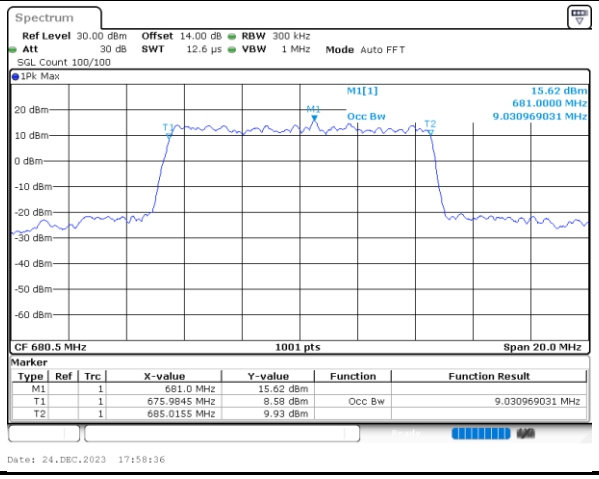
Middle Channel / 5MHz / QPSK



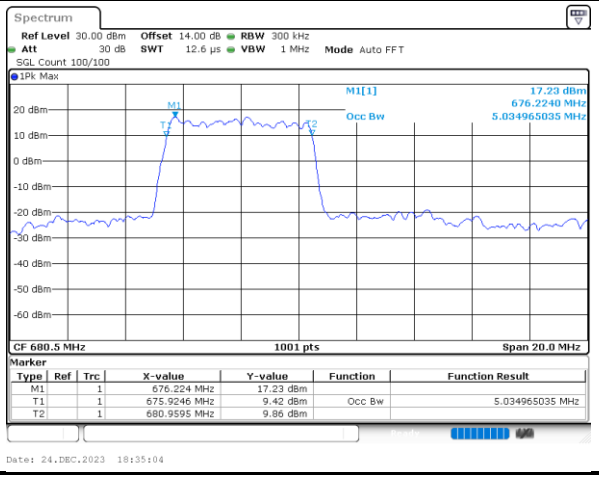
Middle Channel / 5MHz / 16QAM

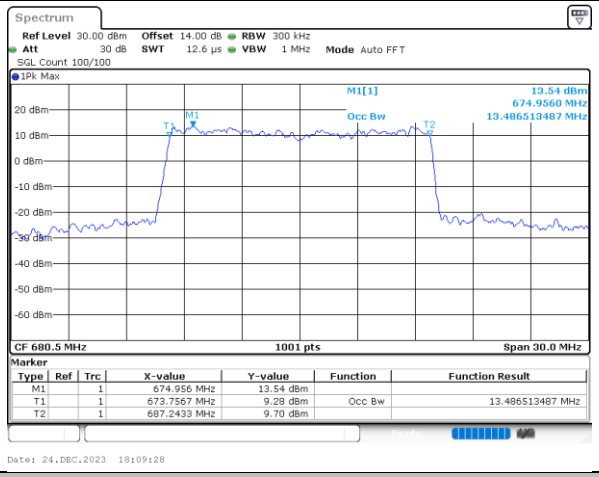
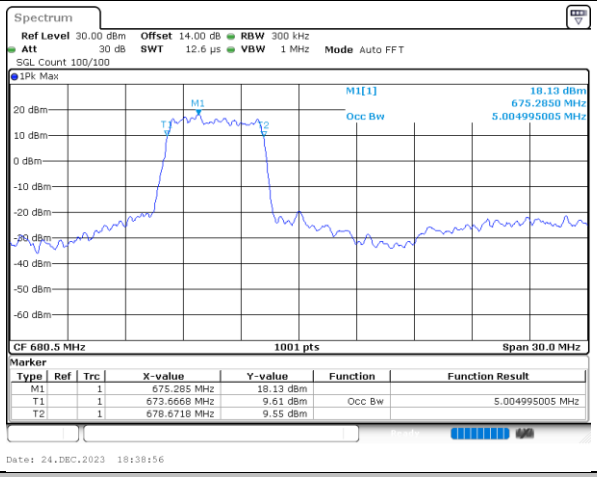
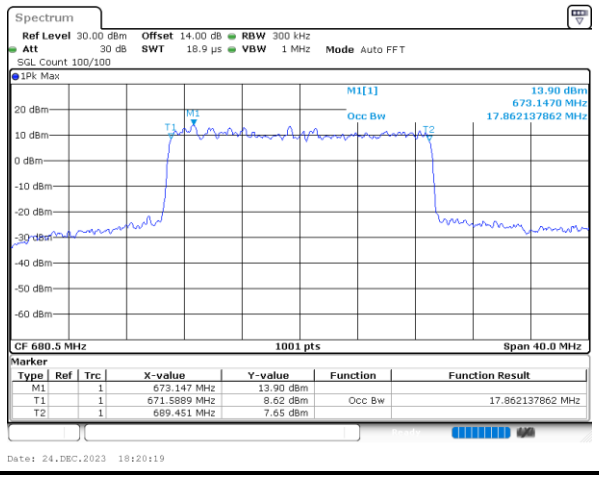
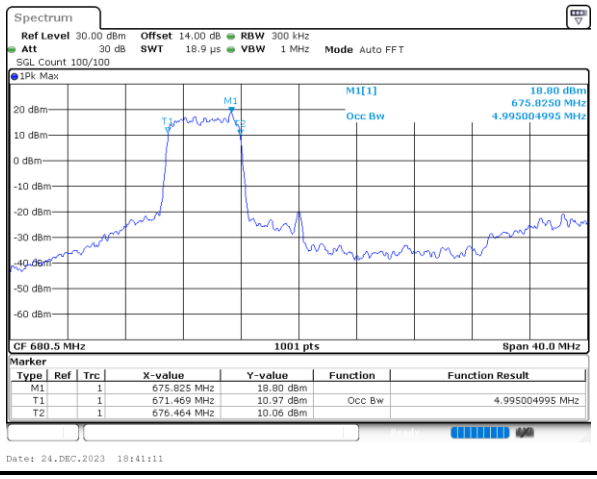


Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

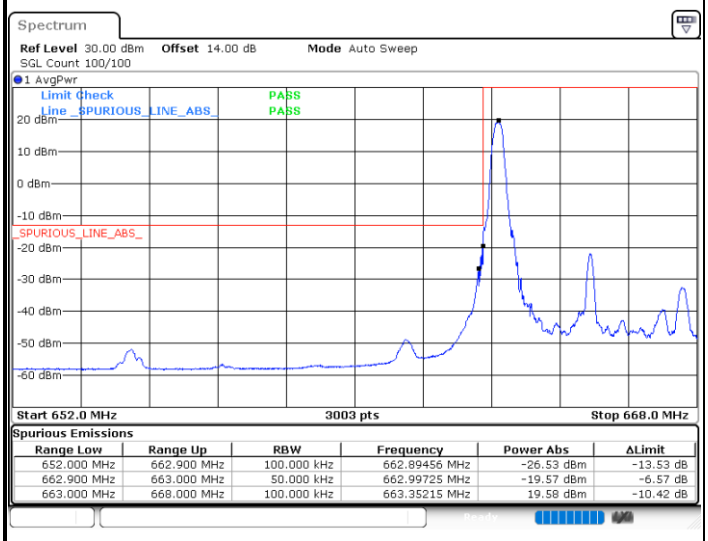


LTE Band 71	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

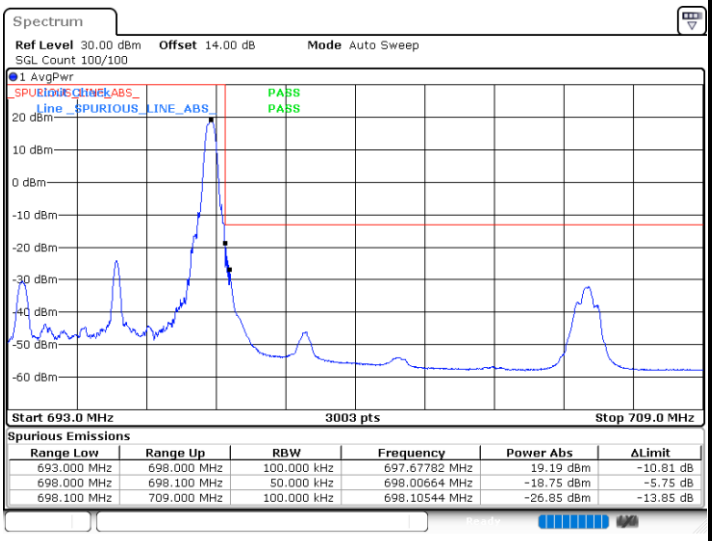
Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

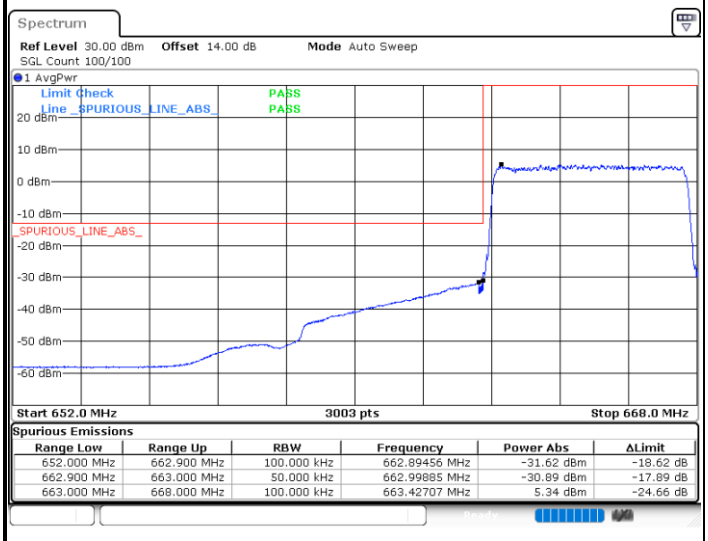
Lowest Band Edge / 1 RB



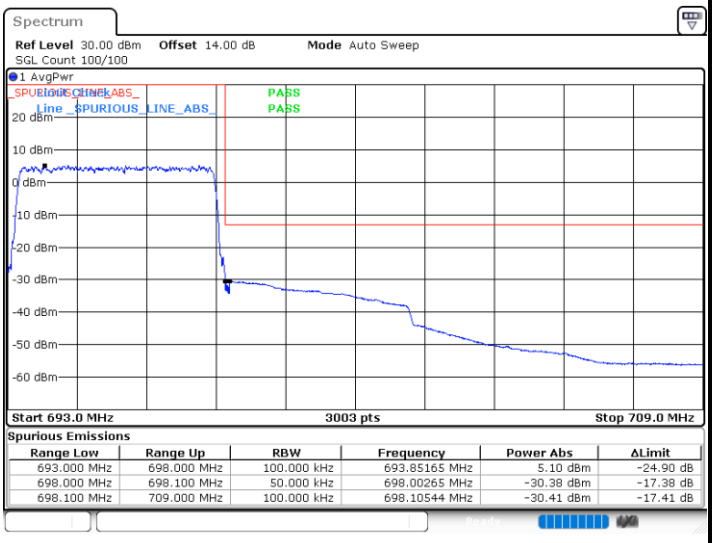
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

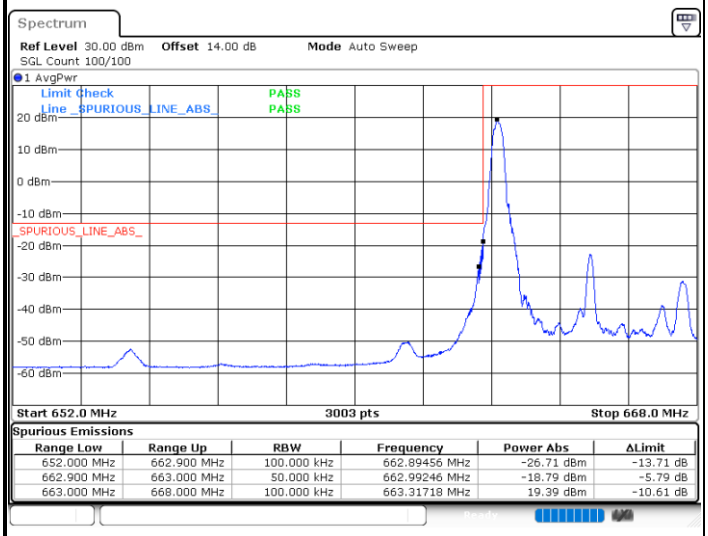


Highest Band Edge / Full RB



LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB

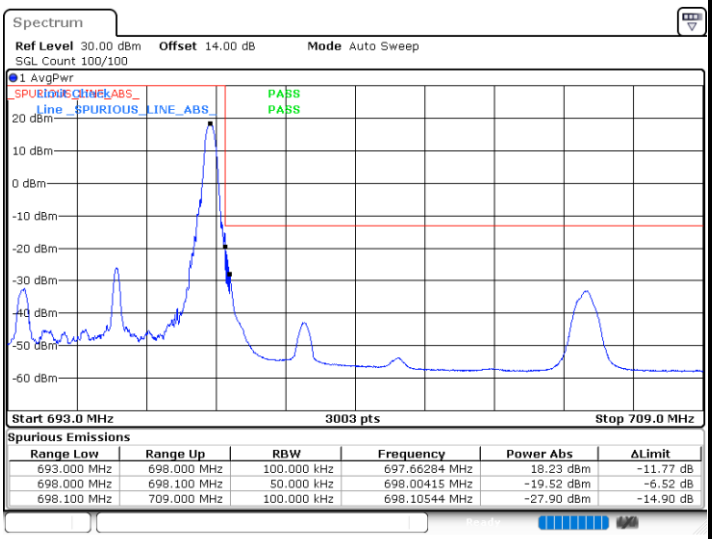


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.900 MHz	100.000 kHz	662.89456 MHz	-26.71 dBm	-13.71 dB
662.900 MHz	663.000 MHz	50.000 kHz	662.99246 MHz	-18.79 dBm	-5.79 dB
663.000 MHz	668.000 MHz	100.000 kHz	663.31718 MHz	19.39 dBm	-10.61 dB

Date: 24.DEC.2023 17:41:20

Highest Band Edge / 1 RB

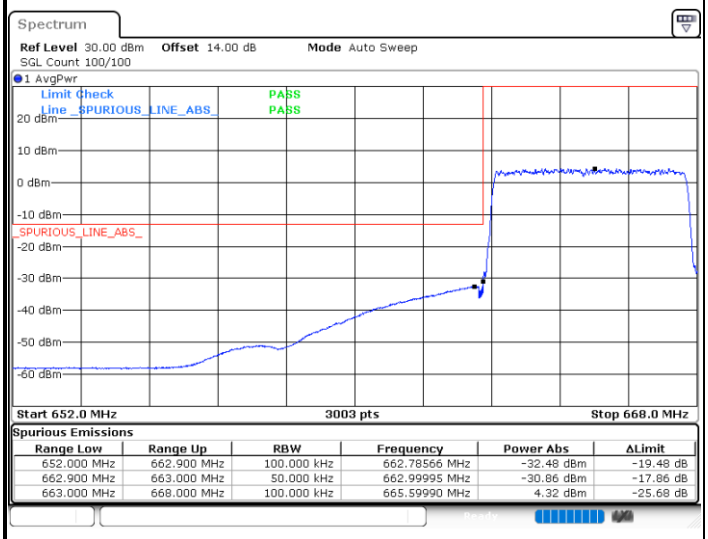


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
693.000 MHz	698.000 MHz	100.000 kHz	697.66284 MHz	18.23 dBm	-11.77 dB
698.000 MHz	698.100 MHz	50.000 kHz	698.00415 MHz	-19.52 dBm	-6.52 dB
698.100 MHz	709.000 MHz	100.000 kHz	698.10544 MHz	-27.90 dBm	-14.90 dB

Date: 24.DEC.2023 17:48:57

Lowest Band Edge / Full RB

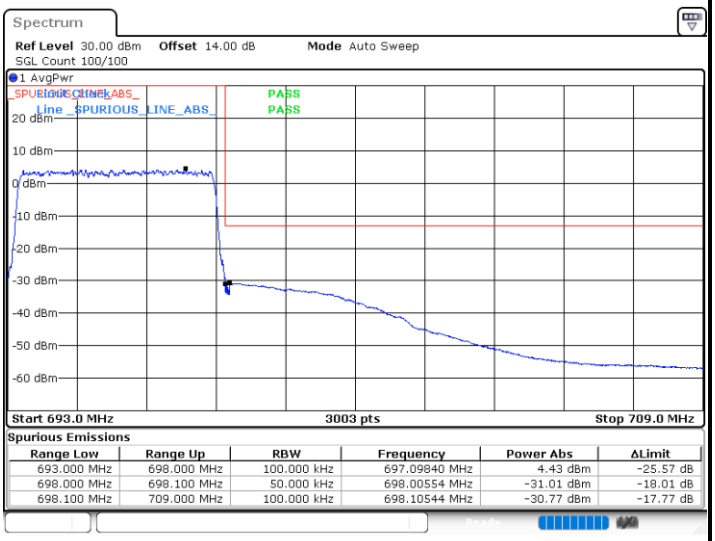


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.900 MHz	100.000 kHz	662.78566 MHz	-32.48 dBm	-19.48 dB
662.900 MHz	663.000 MHz	50.000 kHz	662.99995 MHz	-30.86 dBm	-17.86 dB
663.000 MHz	668.000 MHz	100.000 kHz	665.59990 MHz	4.32 dBm	-25.68 dB

Date: 24.DEC.2023 17:43:20

Highest Band Edge / Full RB



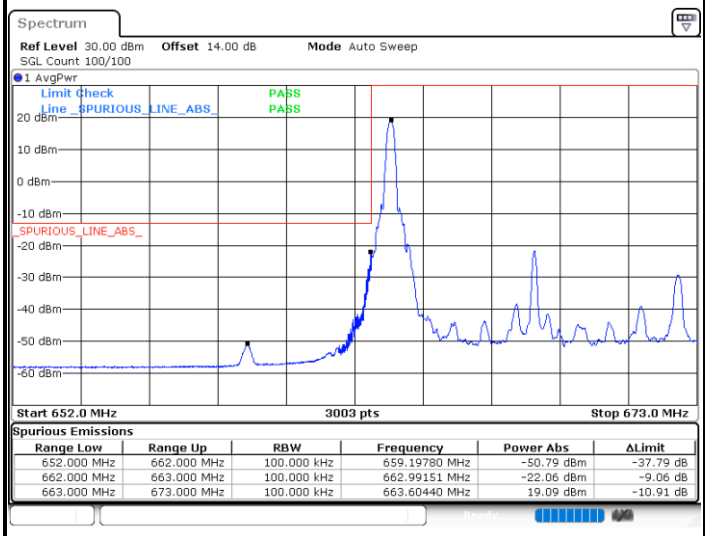
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
693.000 MHz	698.000 MHz	100.000 kHz	697.09840 MHz	4.43 dBm	-25.57 dB
698.000 MHz	698.100 MHz	50.000 kHz	698.00554 MHz	-31.01 dBm	-18.01 dB
698.100 MHz	709.000 MHz	100.000 kHz	698.10544 MHz	-30.77 dBm	-17.77 dB

Date: 24.DEC.2023 17:50:58

LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB

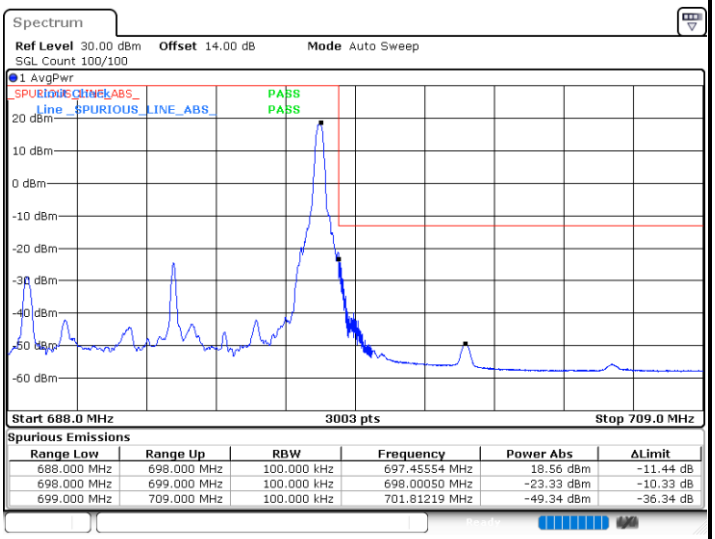


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	659.19780 MHz	-50.79 dBm	-37.79 dB
662.000 MHz	663.000 MHz	100.000 kHz	662.99151 MHz	-22.06 dBm	-9.06 dB
663.000 MHz	673.000 MHz	100.000 kHz	663.60440 MHz	19.09 dBm	-10.91 dB

Date: 24.DEC.2023 17:53:51

Highest Band Edge / 1 RB

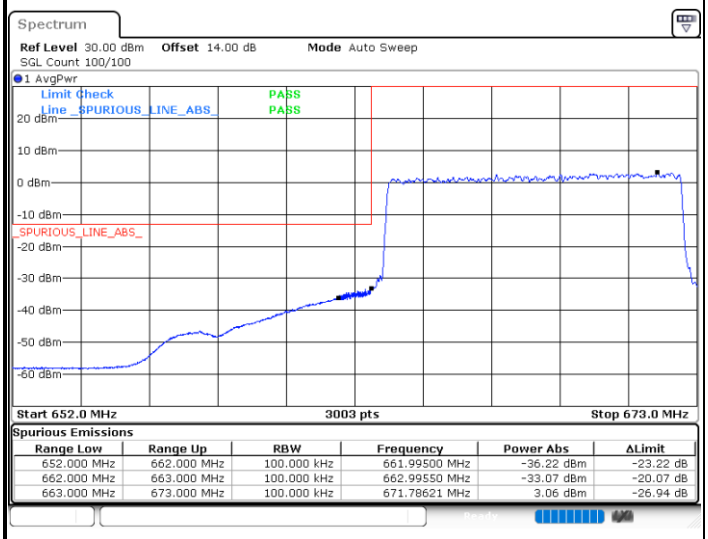


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	697.45554 MHz	18.56 dBm	-11.44 dB
698.000 MHz	699.000 MHz	100.000 kHz	698.00050 MHz	-23.33 dBm	-10.33 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.81219 MHz	-49.34 dBm	-36.34 dB

Date: 24.DEC.2023 17:59:50

Lowest Band Edge / Full RB

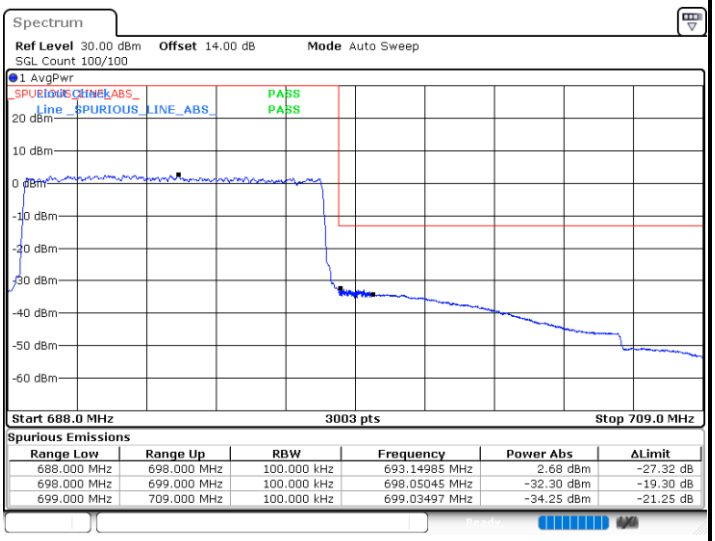


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.99500 MHz	-36.22 dBm	-23.22 dB
662.000 MHz	663.000 MHz	100.000 kHz	662.99550 MHz	-33.07 dBm	-20.07 dB
663.000 MHz	673.000 MHz	100.000 kHz	671.78621 MHz	3.06 dBm	-26.94 dB

Date: 24.DEC.2023 17:55:52

Highest Band Edge / Full RB



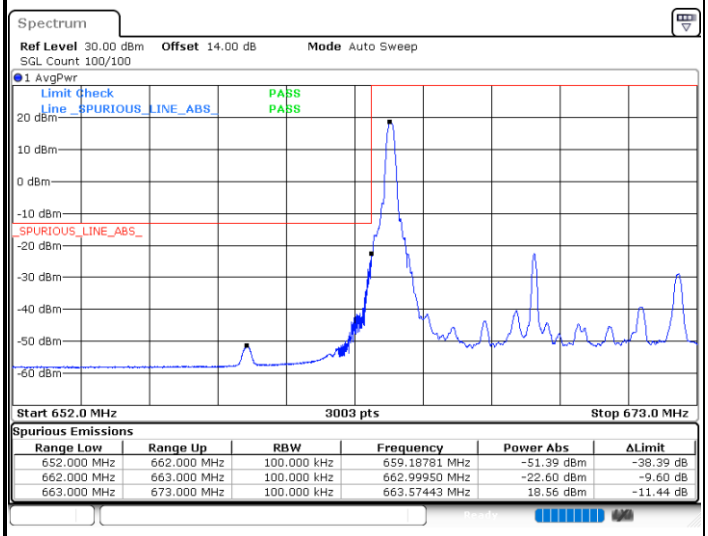
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	693.14985 MHz	2.68 dBm	-27.32 dB
698.000 MHz	699.000 MHz	100.000 kHz	698.05045 MHz	-32.30 dBm	-19.30 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.03497 MHz	-34.25 dBm	-21.25 dB

Date: 24.DEC.2023 18:01:50

LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1RB

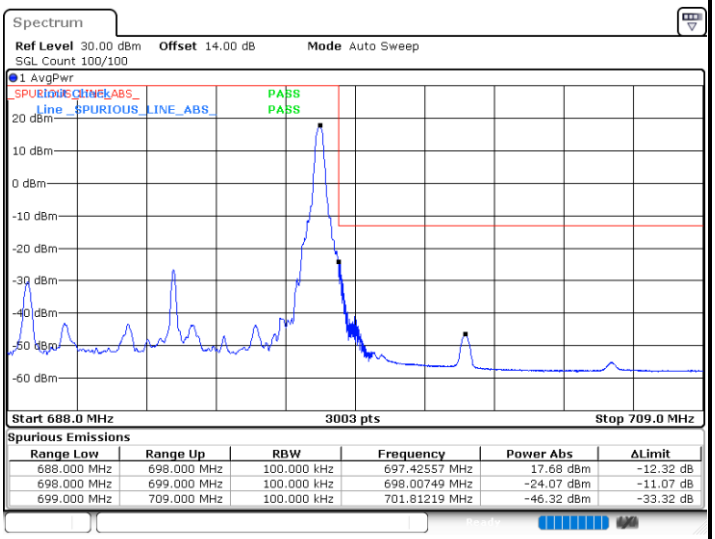


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	659.18781 MHz	-51.39 dBm	-38.39 dB
662.000 MHz	663.000 MHz	100.000 kHz	662.99950 MHz	-22.60 dBm	-9.60 dB
663.000 MHz	673.000 MHz	100.000 kHz	663.57443 MHz	18.56 dBm	-11.44 dB

Date: 24.DEC.2023 17:54:51

Highest Band Edge / 1 RB

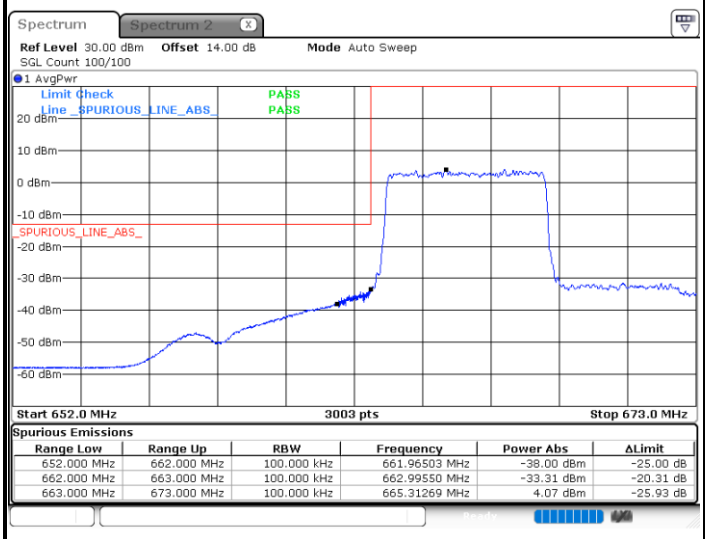


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	697.42557 MHz	17.68 dBm	-12.32 dB
698.000 MHz	699.000 MHz	100.000 kHz	698.00749 MHz	-24.07 dBm	-11.07 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.81219 MHz	-46.32 dBm	-33.32 dB

Date: 24.DEC.2023 18:00:50

Lowest Band Edge / Full RB

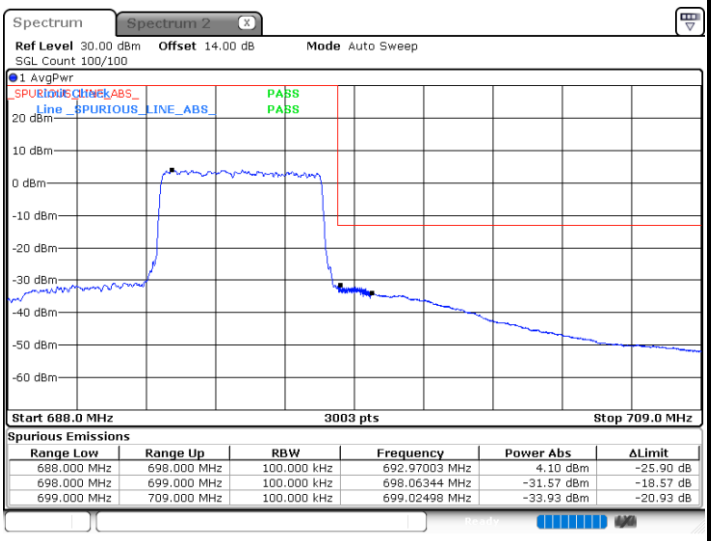


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.96503 MHz	-38.00 dBm	-25.00 dB
662.000 MHz	663.000 MHz	100.000 kHz	662.99550 MHz	-33.31 dBm	-20.31 dB
663.000 MHz	673.000 MHz	100.000 kHz	665.31269 MHz	4.07 dBm	-25.93 dB

Date: 11.JAN.2024 15:36:19

Highest Band Edge / Full RB



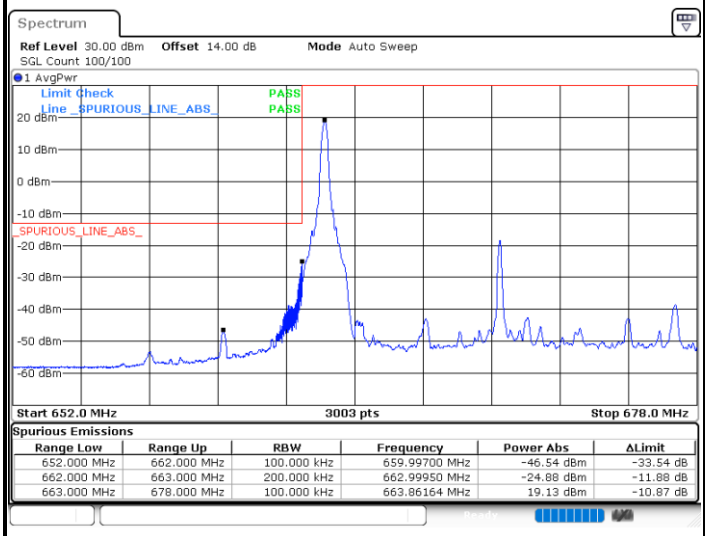
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	692.97003 MHz	4.10 dBm	-25.90 dB
698.000 MHz	699.000 MHz	100.000 kHz	698.06344 MHz	-31.57 dBm	-18.57 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.02498 MHz	-33.93 dBm	-20.93 dB

Date: 11.JAN.2024 19:47:55

LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB

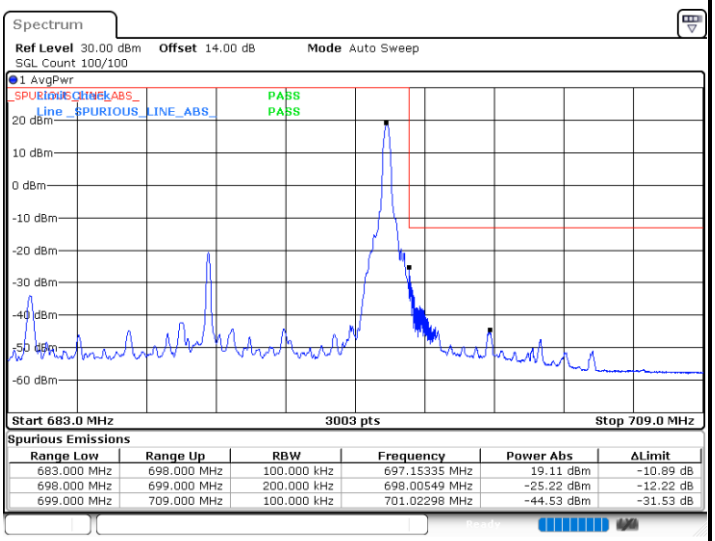


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	659.99700 MHz	-46.54 dBm	-33.54 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99950 MHz	-24.88 dBm	-11.88 dB
663.000 MHz	678.000 MHz	100.000 kHz	663.86164 MHz	19.13 dBm	-10.87 dB

Date: 24.DEC.2023 18:04:43

Highest Band Edge / 1 RB

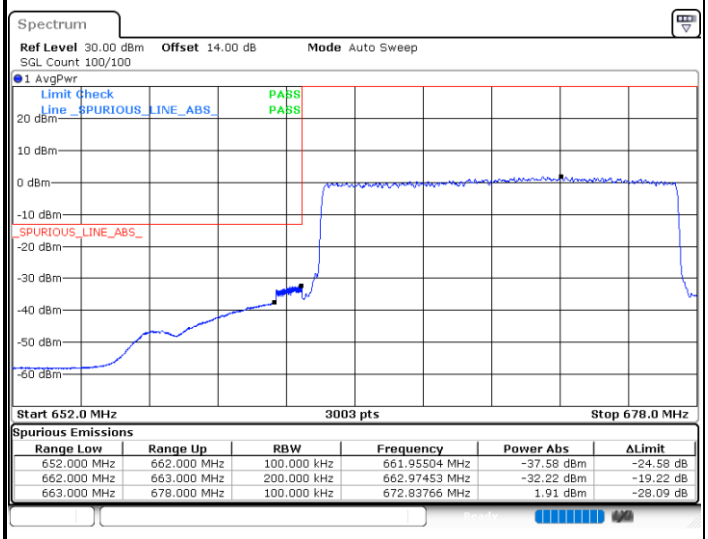


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	697.15335 MHz	19.11 dBm	-10.89 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.00549 MHz	-25.22 dBm	-12.22 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.02298 MHz	-44.53 dBm	-31.53 dB

Date: 24.DEC.2023 18:10:41

Lowest Band Edge / Full RB

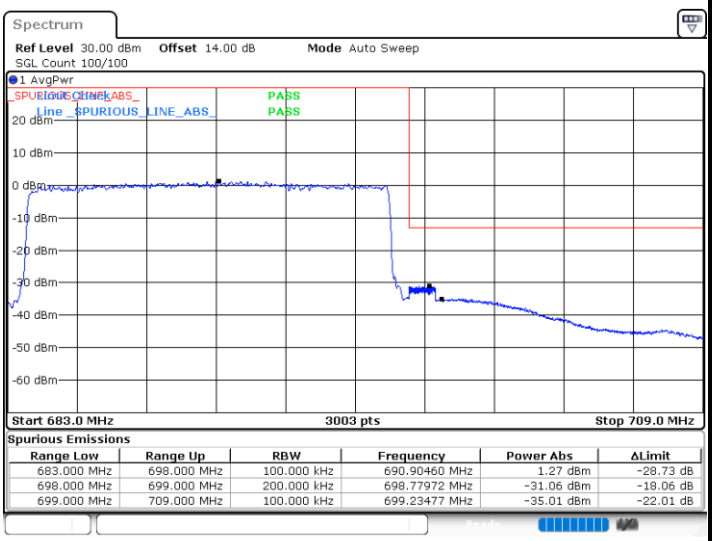


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.95504 MHz	-37.58 dBm	-24.58 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.97453 MHz	-32.22 dBm	-19.22 dB
663.000 MHz	678.000 MHz	100.000 kHz	672.83766 MHz	1.91 dBm	-28.09 dB

Date: 24.DEC.2023 18:06:44

Highest Band Edge / Full RB



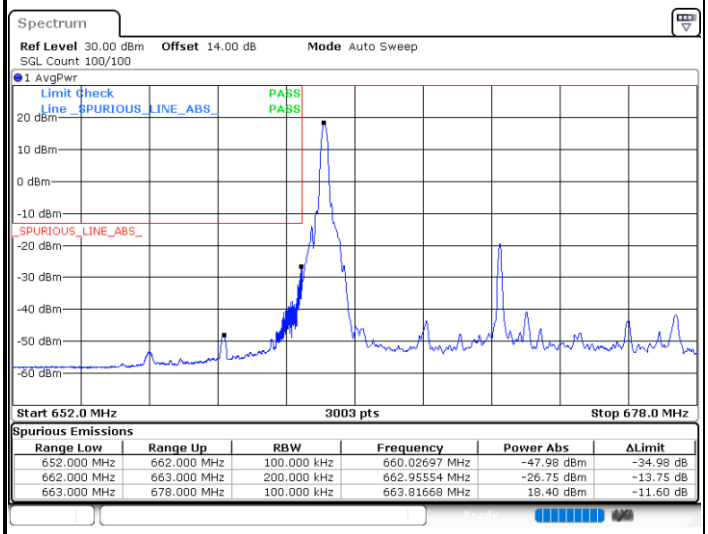
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	690.90460 MHz	1.27 dBm	-28.73 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.77972 MHz	-31.06 dBm	-18.06 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.23477 MHz	-35.01 dBm	-22.01 dB

Date: 24.DEC.2023 18:12:42

LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1RB

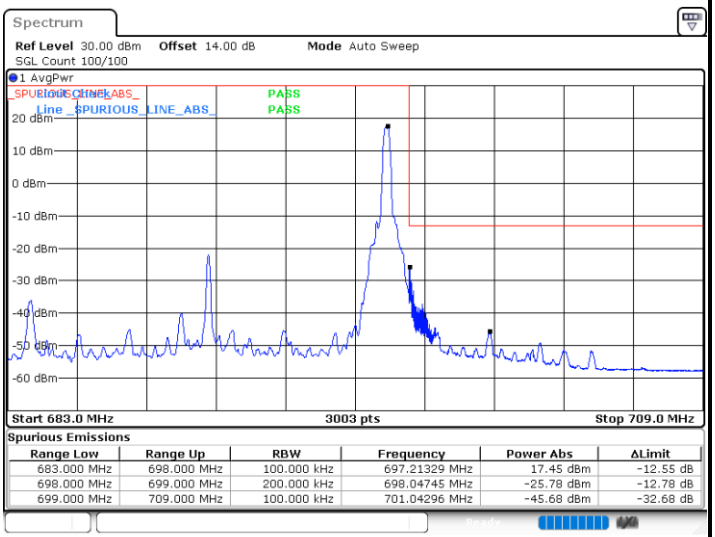


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	660.02697 MHz	-47.98 dBm	-34.98 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.95554 MHz	-26.75 dBm	-13.75 dB
663.000 MHz	678.000 MHz	100.000 kHz	663.81668 MHz	18.40 dBm	-11.60 dB

Date: 24.DEC.2023 18:05:43

Highest Band Edge / 1 RB

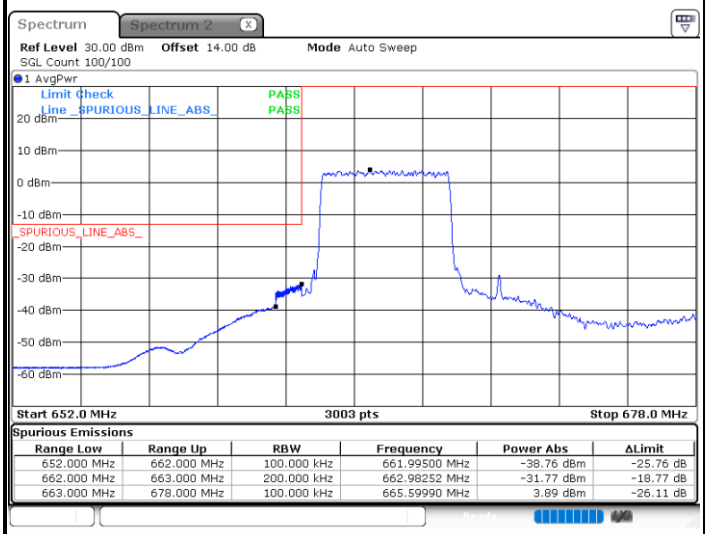


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	697.21329 MHz	17.45 dBm	-12.55 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.04745 MHz	-25.78 dBm	-12.78 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.04296 MHz	-45.68 dBm	-32.68 dB

Date: 24.DEC.2023 18:11:41

Lowest Band Edge / Full RB

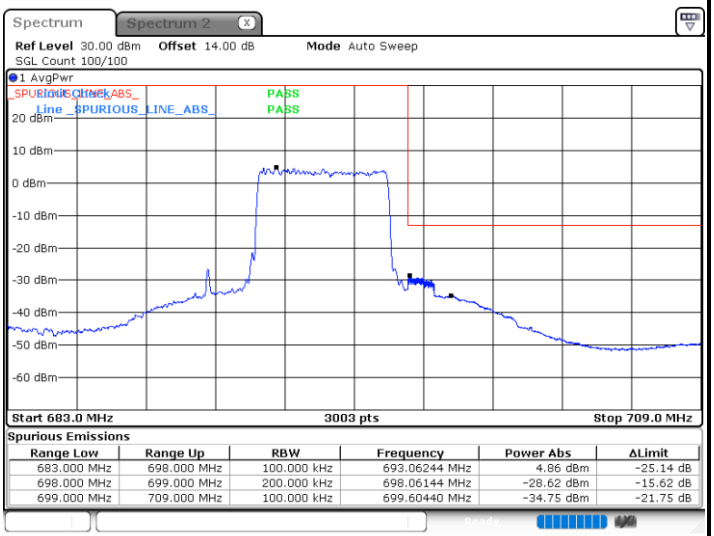


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.99500 MHz	-38.76 dBm	-25.76 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.98252 MHz	-31.77 dBm	-18.77 dB
663.000 MHz	678.000 MHz	100.000 kHz	665.59990 MHz	3.89 dBm	-26.11 dB

Date: 11.JAN.2024 15:38:15

Highest Band Edge / Full RB



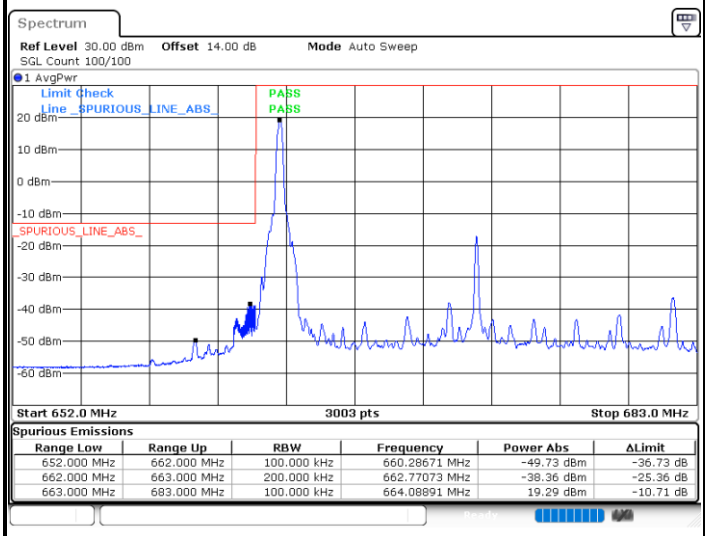
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	693.06244 MHz	4.86 dBm	-25.14 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.06144 MHz	-28.62 dBm	-15.62 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	-34.75 dBm	-21.75 dB

Date: 11.JAN.2024 21:16:39

LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB

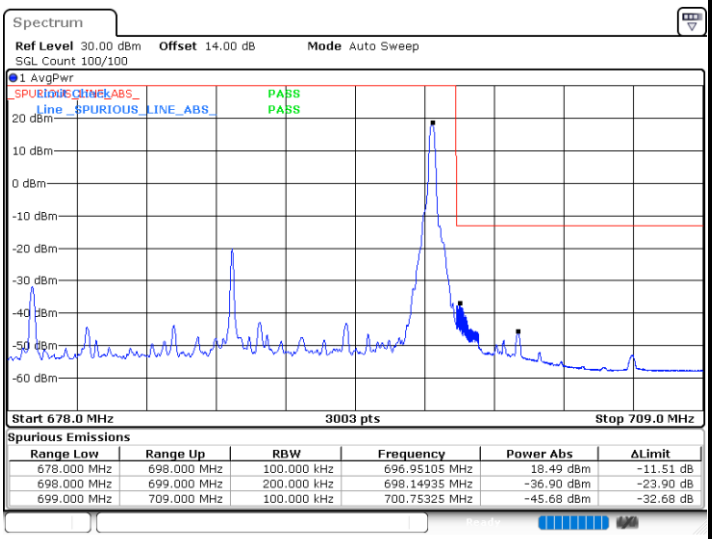


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	660.28671 MHz	-49.73 dBm	-36.73 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.77073 MHz	-38.36 dBm	-25.36 dB
663.000 MHz	683.000 MHz	100.000 kHz	664.08891 MHz	19.29 dBm	-10.71 dB

Date: 24.DEC.2023 18:15:34

Highest Band Edge / 1 RB

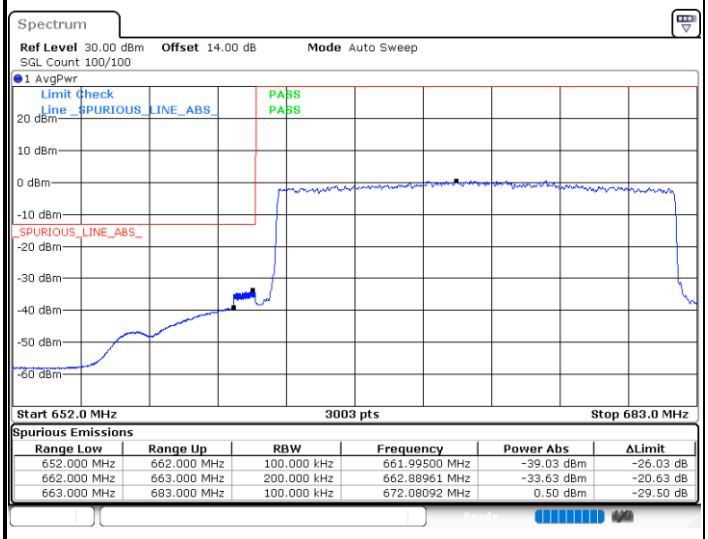


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	696.95105 MHz	18.49 dBm	-11.51 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.14935 MHz	-36.90 dBm	-23.90 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.75325 MHz	-45.68 dBm	-32.68 dB

Date: 24.DEC.2023 18:21:48

Lowest Band Edge / Full RB

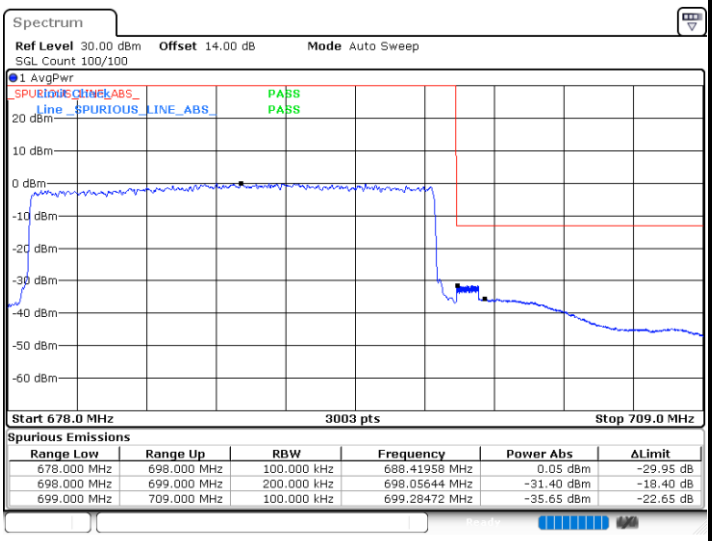


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.99500 MHz	-39.03 dBm	-26.03 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.88961 MHz	-33.63 dBm	-20.63 dB
663.000 MHz	683.000 MHz	100.000 kHz	672.08092 MHz	0.50 dBm	-29.50 dB

Date: 24.DEC.2023 18:17:35

Highest Band Edge / Full RB



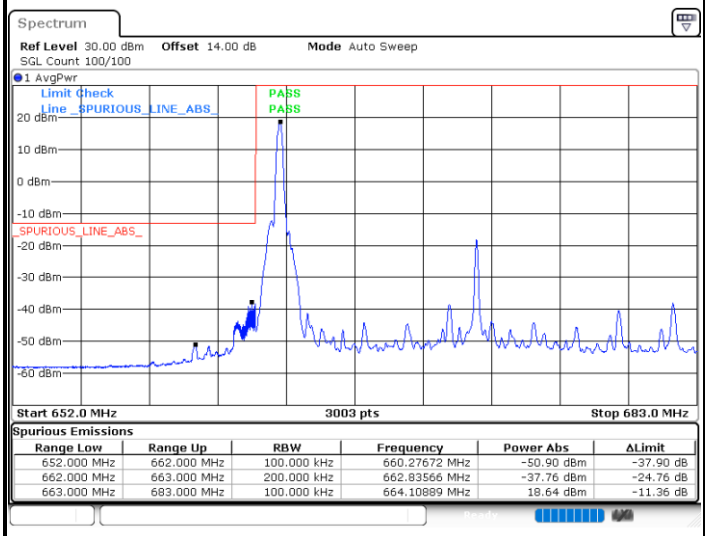
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	688.41958 MHz	0.05 dBm	-29.95 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.05644 MHz	-31.40 dBm	-18.40 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.28472 MHz	-35.65 dBm	-22.65 dB

Date: 24.DEC.2023 18:23:49

LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1RB

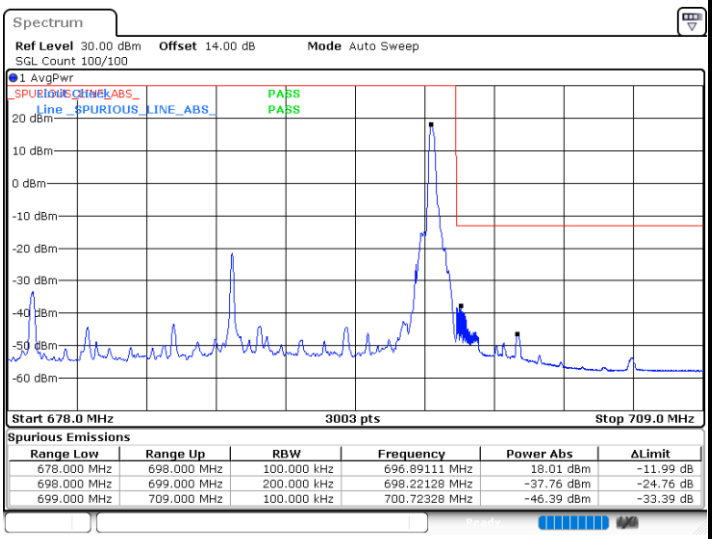


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	660.27672 MHz	-50.90 dBm	-37.90 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.83566 MHz	-37.76 dBm	-24.76 dB
663.000 MHz	683.000 MHz	100.000 kHz	664.10889 MHz	18.64 dBm	-11.36 dB

Date: 24.DEC.2023 18:16:35

Highest Band Edge / 1 RB

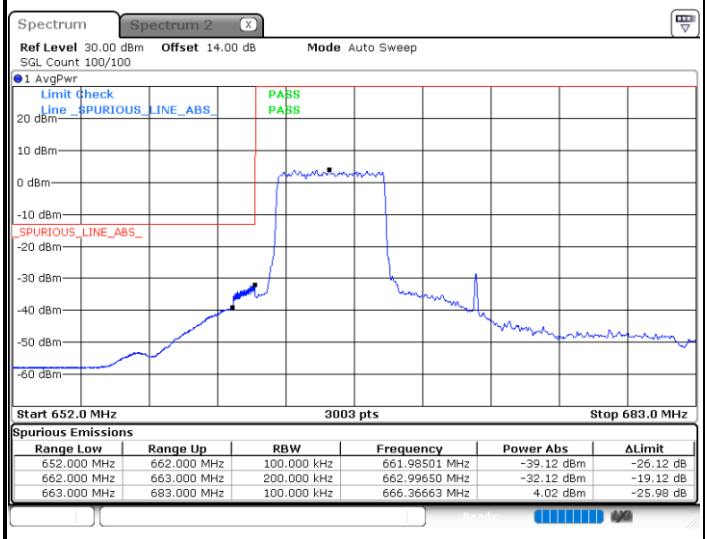


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	696.89111 MHz	18.01 dBm	-11.99 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.22128 MHz	-37.76 dBm	-24.76 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.72328 MHz	-46.39 dBm	-33.39 dB

Date: 24.DEC.2023 18:22:48

Lowest Band Edge / Full RB

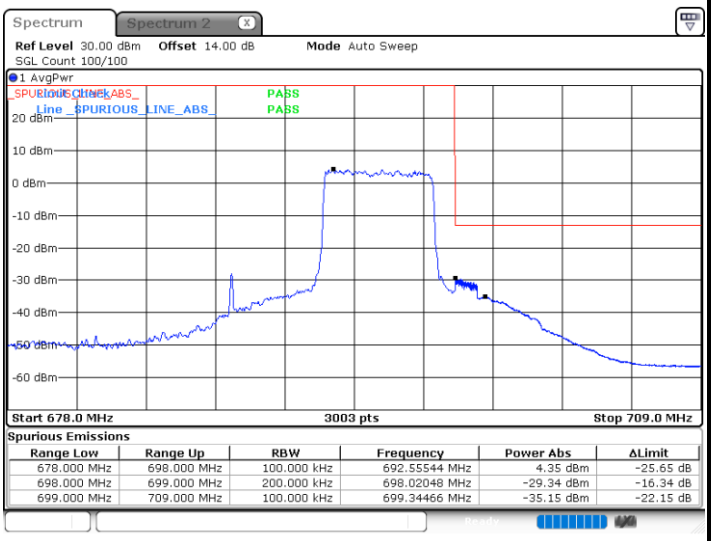


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
652.000 MHz	662.000 MHz	100.000 kHz	661.98501 MHz	-39.12 dBm	-26.12 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99650 MHz	-32.12 dBm	-19.12 dB
663.000 MHz	683.000 MHz	100.000 kHz	666.36663 MHz	4.02 dBm	-25.98 dB

Date: 11.JAN.2024 15:40:16

Highest Band Edge / Full RB



Spurious Emissions

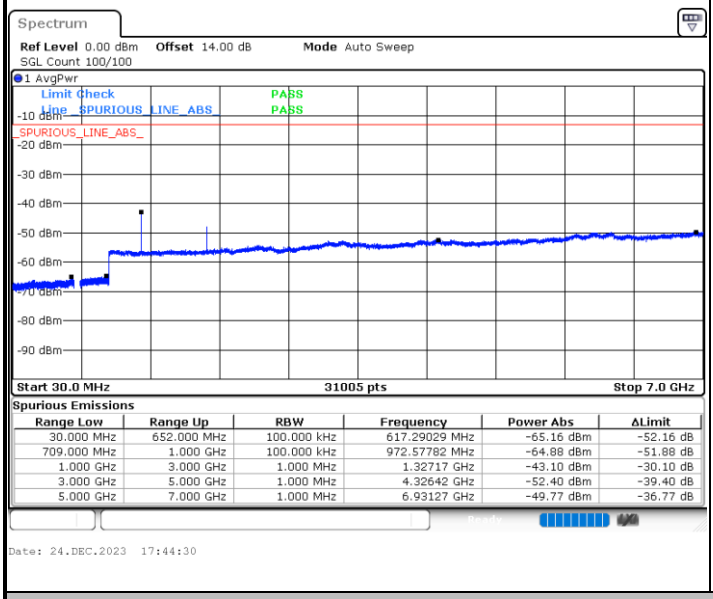
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	692.55544 MHz	4.35 dBm	-25.65 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.02048 MHz	-29.34 dBm	-16.34 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.34466 MHz	-35.15 dBm	-22.15 dB

Date: 11.JAN.2024 21:15:26

Conducted Spurious Emission

LTE Band 71 / 5MHz

Lowest Channel / QPSK

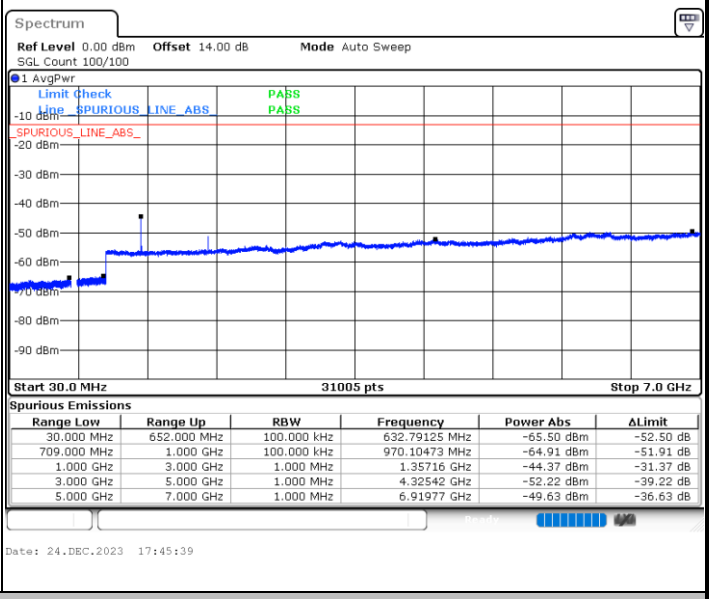


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	617.29029 MHz	-65.16 dBm	-52.16 dB
709.000 MHz	1.000 GHz	100.000 kHz	972.57782 MHz	-64.88 dBm	-51.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.32717 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32642 GHz	-52.40 dBm	-39.40 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.93127 GHz	-49.77 dBm	-36.77 dB

Date: 24.DEC.2023 17:44:30

Middle Channel / QPSK

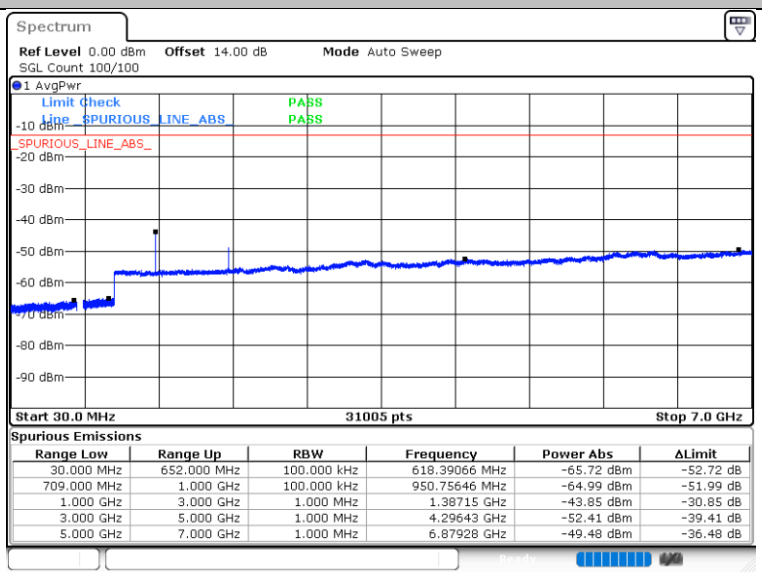


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	632.79125 MHz	-65.50 dBm	-52.50 dB
709.000 MHz	1.000 GHz	100.000 kHz	970.10473 MHz	-64.91 dBm	-51.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.35716 GHz	-44.37 dBm	-31.37 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32542 GHz	-52.22 dBm	-39.22 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.91977 GHz	-49.63 dBm	-36.63 dB

Date: 24.DEC.2023 17:45:39

Highest Channel / QPSK



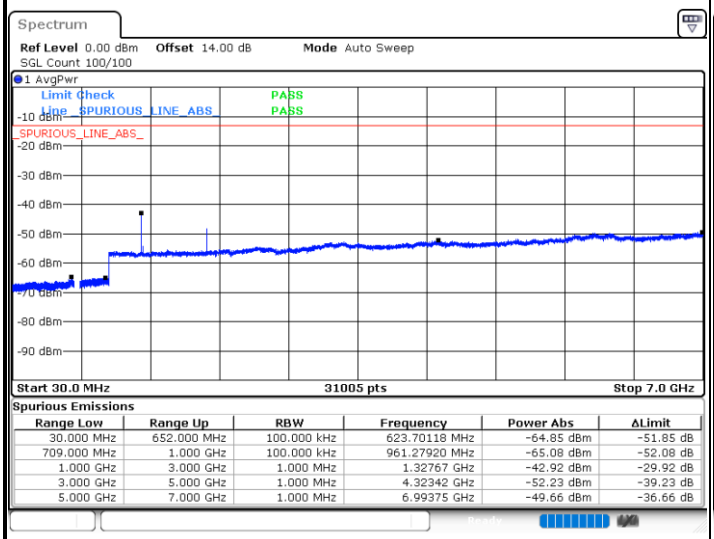
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	618.39066 MHz	-65.72 dBm	-52.72 dB
709.000 MHz	1.000 GHz	100.000 kHz	950.75646 MHz	-64.99 dBm	-51.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.38715 GHz	-43.85 dBm	-30.85 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.29643 GHz	-52.41 dBm	-39.41 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.87928 GHz	-49.48 dBm	-36.48 dB

Date: 24.DEC.2023 17:52:08

LTE Band 71 / 10MHz

Lowest Channel / QPSK

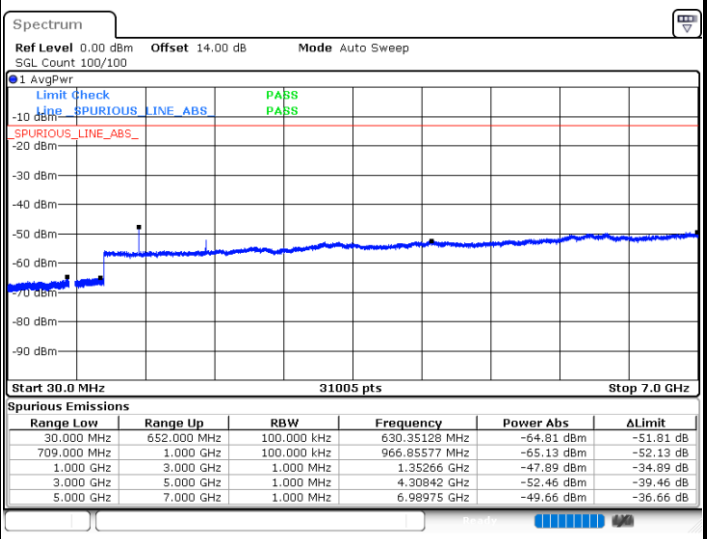


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	623.70118 MHz	-64.85 dBm	-51.85 dB
709.000 MHz	1.000 GHz	100.000 kHz	961.27920 MHz	-65.08 dBm	-52.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.32767 GHz	-42.92 dBm	-29.92 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32342 GHz	-52.23 dBm	-39.23 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-49.66 dBm	-36.66 dB

Date: 24.DEC.2023 17:57:02

Middle Channel / QPSK

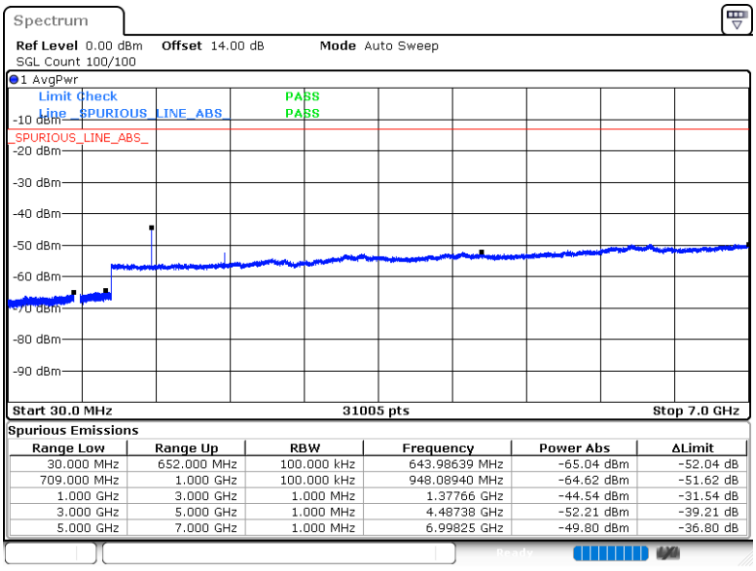


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	630.35128 MHz	-64.81 dBm	-51.81 dB
709.000 MHz	1.000 GHz	100.000 kHz	966.85577 MHz	-65.13 dBm	-52.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.35266 GHz	-47.89 dBm	-34.89 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30842 GHz	-52.46 dBm	-39.46 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-49.66 dBm	-36.66 dB

Date: 24.DEC.2023 17:58:11

Highest Channel / QPSK



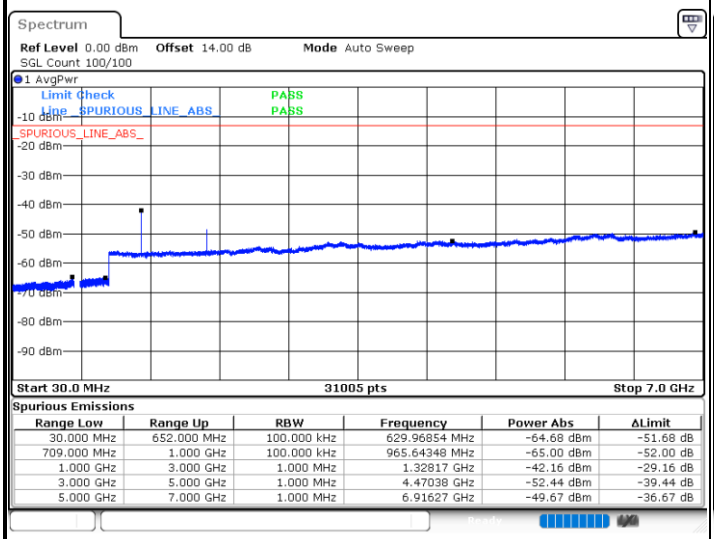
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	643.98639 MHz	-65.04 dBm	-52.04 dB
709.000 MHz	1.000 GHz	100.000 kHz	948.08940 MHz	-64.62 dBm	-51.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.37766 GHz	-44.54 dBm	-31.54 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.48738 GHz	-52.21 dBm	-39.21 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-49.80 dBm	-36.80 dB

Date: 24.DEC.2023 18:03:00

LTE Band 71 / 15MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	629.96854 MHz	-64.68 dBm	-51.68 dB
709.000 MHz	1.000 GHz	100.000 kHz	965.64348 MHz	-65.00 dBm	-52.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.32817 GHz	-42.16 dBm	-29.16 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.47038 GHz	-52.44 dBm	-39.44 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.91627 GHz	-49.67 dBm	-36.67 dB

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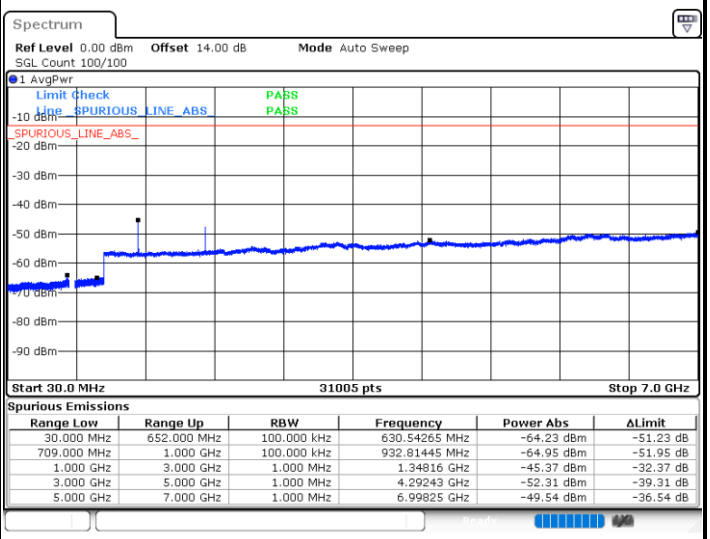
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	630.54265 MHz	-64.23 dBm	-51.23 dB
709.000 MHz	1.000 GHz	100.000 kHz	932.81445 MHz	-64.95 dBm	-51.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.34816 GHz	-45.37 dBm	-32.37 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.29243 GHz	-52.31 dBm	-39.31 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-49.54 dBm	-36.54 dB

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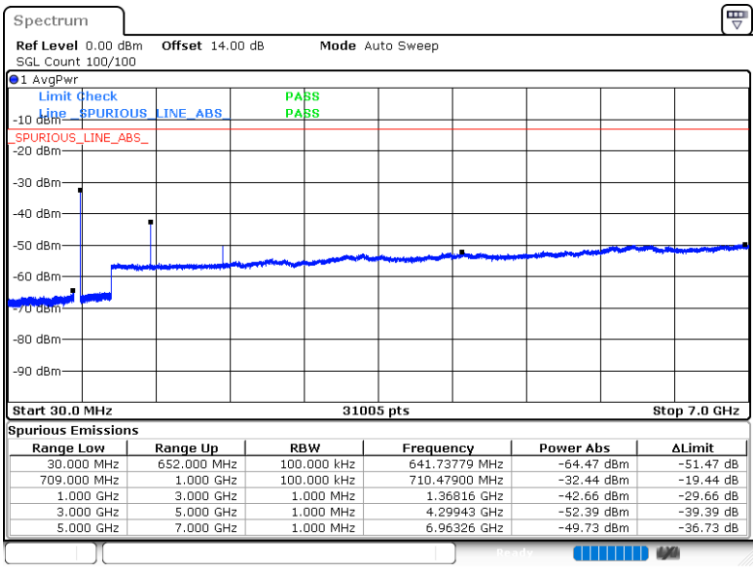
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	641.73779 MHz	-64.47 dBm	-51.47 dB
709.000 MHz	1.000 GHz	100.000 kHz	710.47900 MHz	-32.44 dBm	-19.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.36816 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.29943 GHz	-52.39 dBm	-39.39 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.96326 GHz	-49.73 dBm	-36.73 dB

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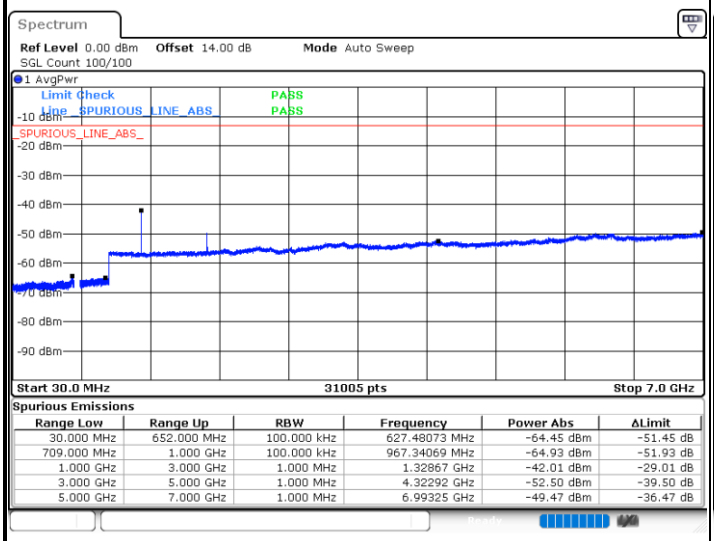
LTE Band 71 / 20MHz

Lowest Channel / QPSK

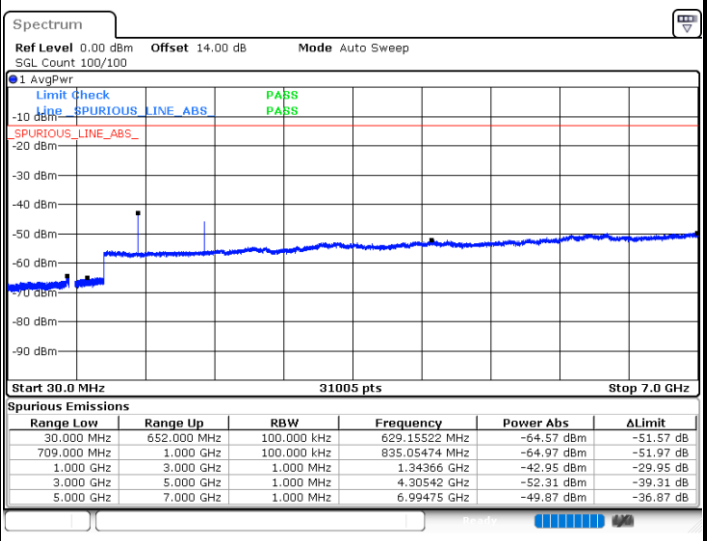


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	627.48073 MHz	-64.45 dBm	-51.45 dB
709.000 MHz	1.000 GHz	100.000 kHz	967.34069 MHz	-64.93 dBm	-51.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.32867 GHz	-42.01 dBm	-29.01 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.32292 GHz	-52.50 dBm	-39.50 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-49.47 dBm	-36.47 dB

Date: 24.DEC.2023 18:18:45

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	629.15522 MHz	-64.57 dBm	-51.57 dB
709.000 MHz	1.000 GHz	100.000 kHz	835.05474 MHz	-64.97 dBm	-51.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.34366 GHz	-42.95 dBm	-29.95 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.30542 GHz	-52.31 dBm	-39.31 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-49.87 dBm	-36.87 dB

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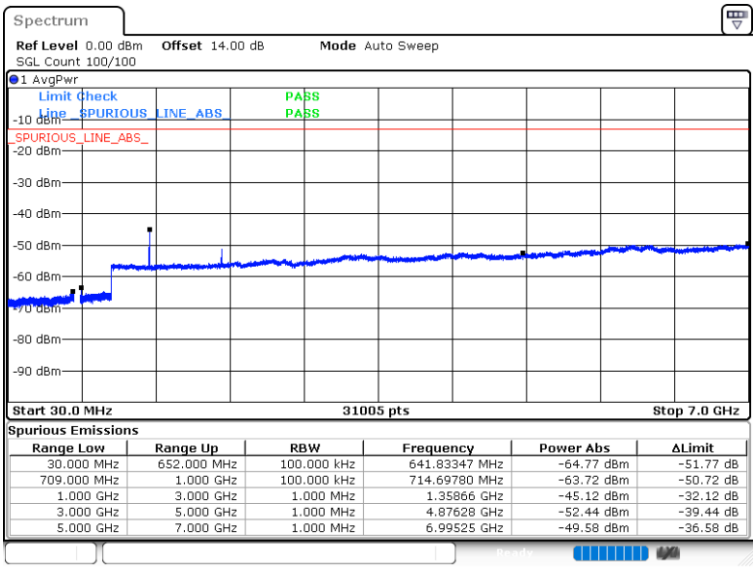
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	652.000 MHz	100.000 kHz	641.83347 MHz	-64.77 dBm	-51.77 dB
709.000 MHz	1.000 GHz	100.000 kHz	714.69780 MHz	-63.72 dBm	-50.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.35866 GHz	-45.12 dBm	-32.12 dB
3.000 GHz	5.000 GHz	1.000 MHz	4.87628 GHz	-52.44 dBm	-39.44 dB
5.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-49.58 dBm	-36.58 dB

Date: 24.DEC.2023 18:24:58

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	End Point	0.0010	

Note:

1. Normal Voltage = 3.8 V. ; End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Kuang Jia	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-48.09	-13	-35.09	-63.80	-54.84	5.85	12.60	H
	5613.27	-57.56	-13	-44.56	-76.32	-63.36	7.30	13.10	H
	7484.36	-55.05	-13	-42.05	-79.94	-58.20	8.35	11.50	H
	3742.18	-43.25	-13	-30.25	-58.58	-50.00	5.85	12.60	V
	5613.27	-54.81	-13	-41.81	-73.05	-60.61	7.30	13.10	V
	7484.36	-51.22	-13	-38.22	-76.5	-54.37	8.35	11.50	V

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

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-50.61	-13	-37.61	-58.03	-53.86	4.00	9.40	H
	2496.27	-63.27	-13	-50.27	-74.73	-66.84	4.88	10.60	H
	3328.36	-63.05	-13	-50.05	-77.22	-67.98	5.52	12.60	H
	1664.18	-45.30	-13	-32.30	-52.86	-48.55	4.00	9.40	V
	2496.27	-58.31	-13	-45.31	-69.86	-61.88	4.88	10.60	V
	3328.36	-55.19	-13	-42.19	-69.34	-60.12	5.52	12.60	V

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

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-49.32	-13	-36.32	-57.82	-52.57	4.00	9.40	H
	2109	-60.53	-13	-47.53	-71.33	-64.10	4.88	10.60	H
	2812	-63.62	-13	-50.62	-76.79	-68.55	5.52	12.60	H
	1406	-43.32	-13	-30.32	-51.71	-46.57	4.00	9.40	V
	2109	-57.68	-13	-44.68	-68.71	-61.25	4.88	10.60	V
	2812	-61.11	-13	-48.11	-74.21	-66.04	5.52	12.60	V

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

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-57.19	-42.15	-15.04	-66.40	-60.44	4.00	9.40	H
	2339.25	-61.81	-13	-48.81	-73.84	-65.38	4.88	10.60	H
	3119	-61.24	-13	-48.24	-76.40	-66.17	5.52	12.60	H
	1559.5	-54.94	-42.15	-12.79	-63.92	-58.19	4.00	9.40	V
	2339.25	-60.07	-13	-47.07	-72.11	-63.64	4.88	10.60	V
	3119	-61.52	-13	-48.52	-76.49	-66.45	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-62.63	-42.15	-20.48	-71.84	-65.88	4.00	9.40	H
	2339.25	-64.09	-13	-51.09	-76.12	-67.66	4.88	10.60	H
	3119	-61.20	-13	-48.20	-76.36	-66.13	5.52	12.60	H
	1559.5	-60.70	-42.15	-18.55	-69.68	-63.95	4.00	9.40	V
	2339.25	-63.96	-13	-50.96	-76.00	-67.53	4.88	10.60	V
	3119	-61.32	-13	-48.32	-76.29	-66.25	5.52	12.60	V

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

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-57.35	-13	-44.35	-71.79	-64.20	5.65	12.50	H
	5208	-61.48	-13	-48.48	-80.61	-67.15	7.13	12.80	H
	6944	-56.88	-13	-43.88	-79.87	-60.28	8.40	11.80	H
	3472	-54.10	-13	-41.10	-68.57	-60.95	5.65	12.50	V
	5208	-61.27	-13	-48.27	-80.01	-66.94	7.13	12.80	V
	6944	-55.31	-13	-42.31	-78.57	-58.71	8.40	11.80	V

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

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-40.72	-13	-27.72	-48.30	-43.97	4.00	9.40	H
	2014.5	-64.40	-13	-51.40	-74.21	-67.97	4.88	10.60	H
	2686	-64.35	-13	-51.35	-76.96	-69.28	5.52	12.60	H
	1343	-38.03	-13	-25.03	-45.54	-41.28	4.00	9.40	V
	2014.5	-56.51	-13	-43.51	-66.43	-60.08	4.88	10.60	V
	2686	-64.33	-13	-51.33	-76.82	-69.26	5.52	12.60	V

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