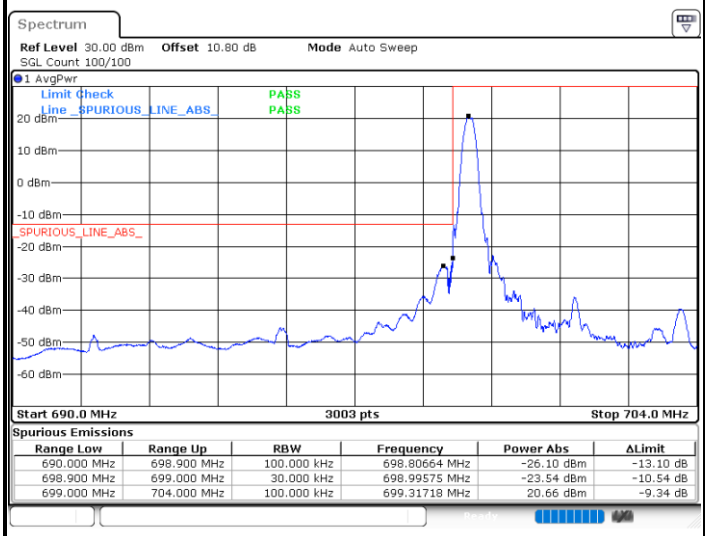
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB

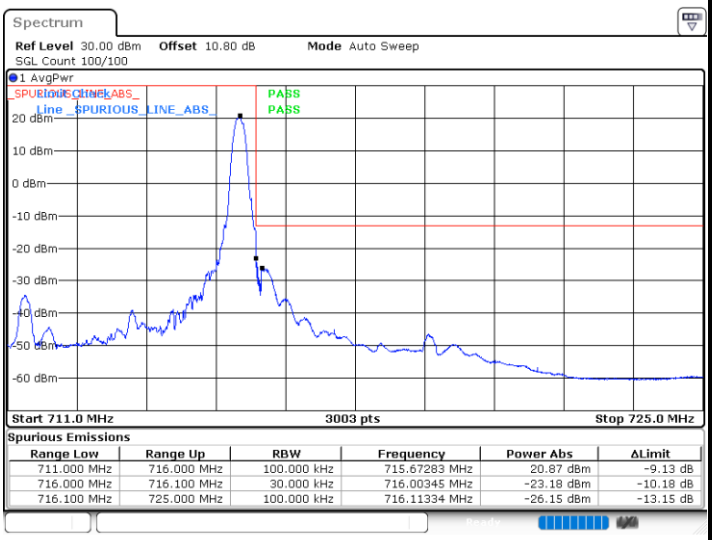


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.80664 MHz	-26.10 dBm	-13.10 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99575 MHz	-23.54 dBm	-10.54 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.31718 MHz	20.66 dBm	-9.34 dB

Date: 23.SEP.2022 03:39:23

Highest Band Edge / 1 RB

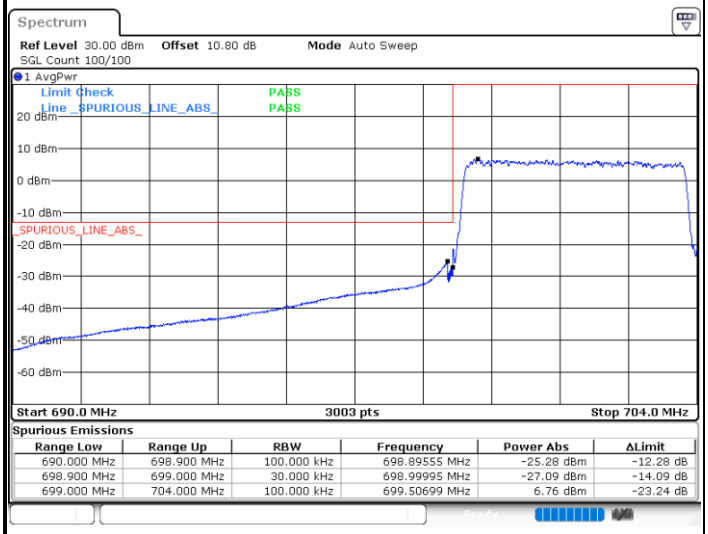


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67283 MHz	20.87 dBm	-9.13 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00345 MHz	-23.18 dBm	-10.18 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-26.15 dBm	-13.15 dB

Date: 23.SEP.2022 09:23:05

Lowest Band Edge / Full RB

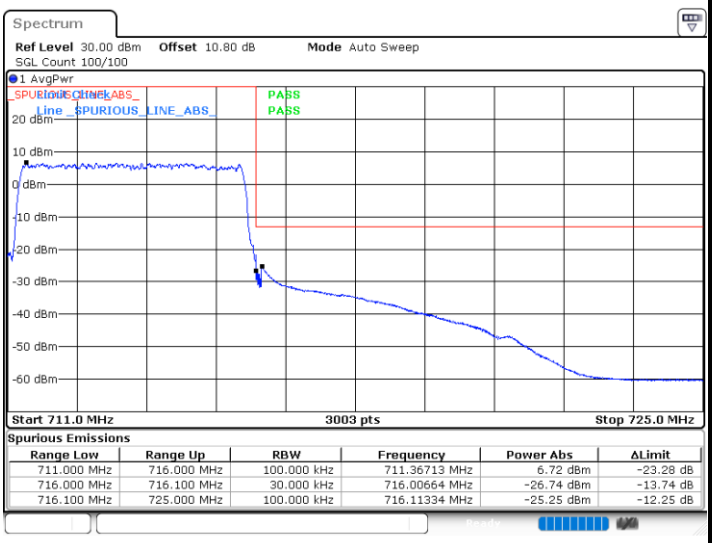


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.28 dBm	-12.28 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-27.09 dBm	-14.09 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.50699 MHz	6.76 dBm	-23.24 dB

Date: 23.SEP.2022 09:19:25

Highest Band Edge / Full RB



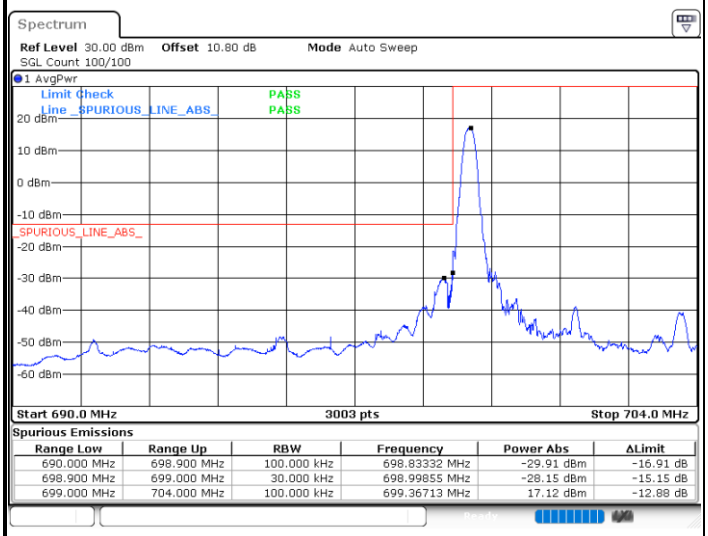
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	711.36713 MHz	6.72 dBm	-23.28 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00664 MHz	-26.74 dBm	-13.74 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-25.25 dBm	-12.25 dB

Date: 23.SEP.2022 03:41:05

LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB

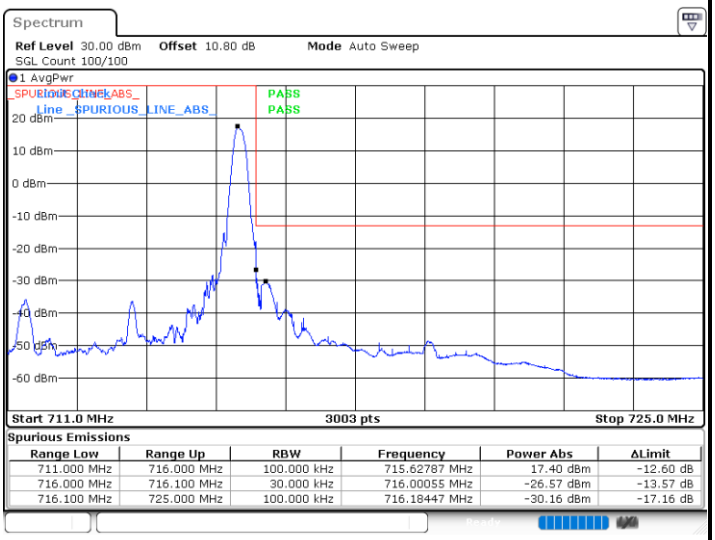


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.83332 MHz	-29.91 dBm	-16.91 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99855 MHz	-28.15 dBm	-15.15 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.36713 MHz	17.12 dBm	-12.88 dB

Date: 23.SEP.2022 10:08:11

Highest Band Edge / 1 RB

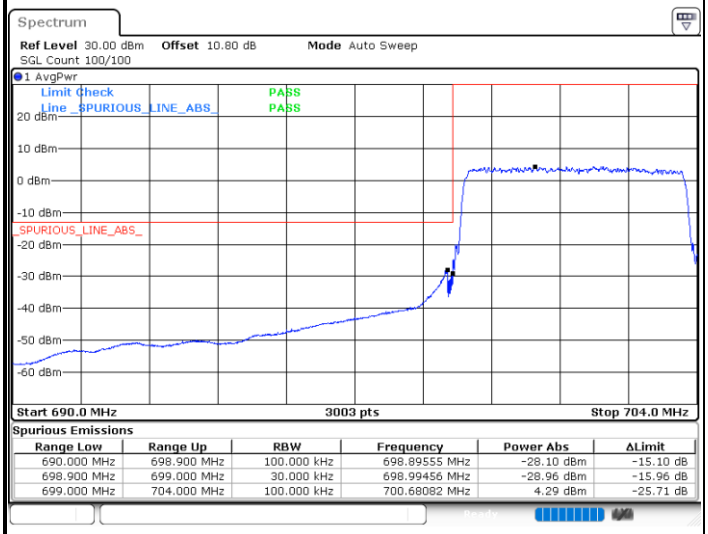


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.62787 MHz	17.40 dBm	-12.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00055 MHz	-26.57 dBm	-13.57 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.18447 MHz	-30.16 dBm	-17.16 dB

Date: 23.SEP.2022 10:10:55

Lowest Band Edge / Full RB

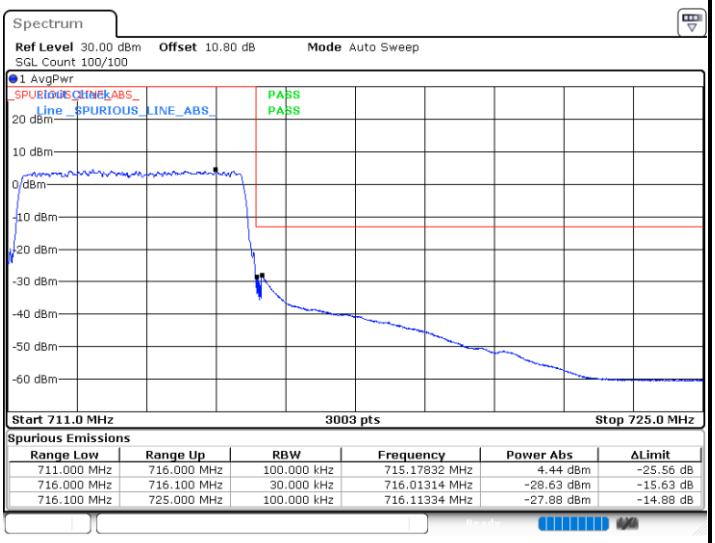


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.10 dBm	-15.10 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99456 MHz	-28.96 dBm	-15.96 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.68082 MHz	4.29 dBm	-25.71 dB

Date: 23.SEP.2022 10:07:12

Highest Band Edge / Full RB



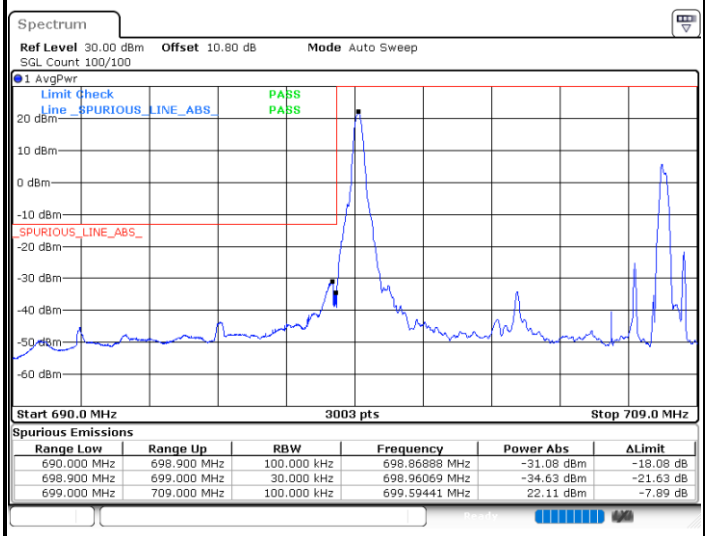
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.17832 MHz	4.44 dBm	-25.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01314 MHz	-28.63 dBm	-15.63 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-27.88 dBm	-14.88 dB

Date: 23.SEP.2022 10:09:53

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

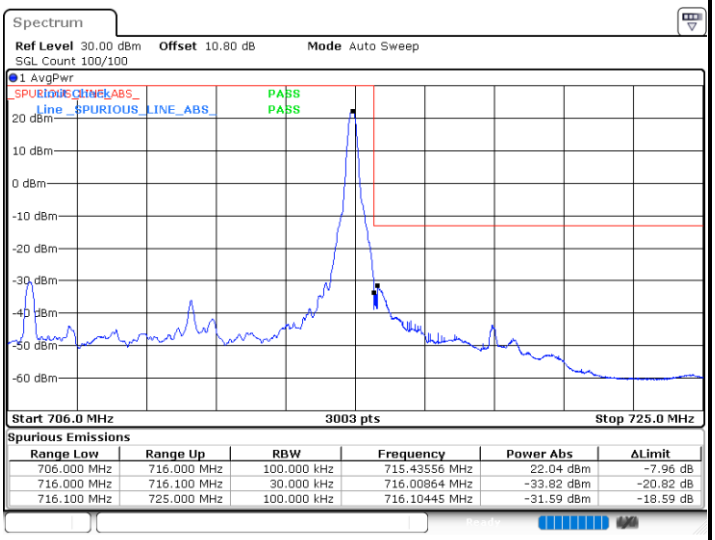


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.86888 MHz	-31.08 dBm	-18.08 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.96069 MHz	-34.63 dBm	-21.63 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.59441 MHz	22.11 dBm	-7.89 dB

Date: 23.SEP.2022 09:40:47

Highest Band Edge / 1 RB

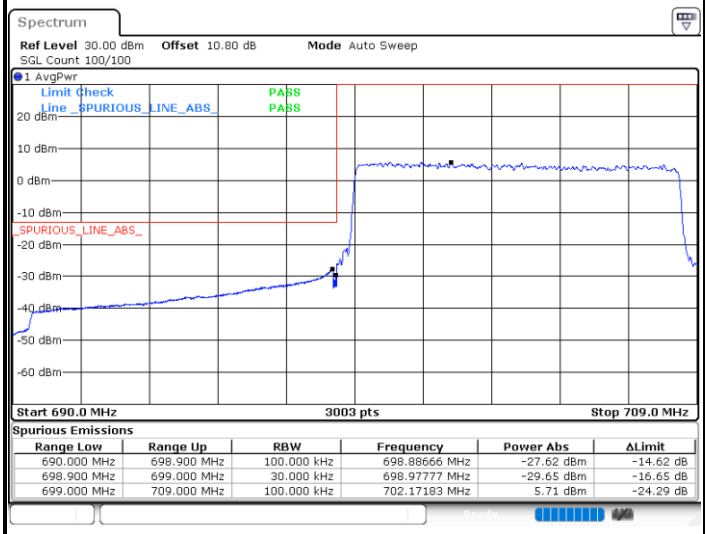


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.43556 MHz	22.04 dBm	-7.96 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00864 MHz	-33.82 dBm	-20.82 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.59 dBm	-18.59 dB

Date: 23.SEP.2022 09:49:04

Lowest Band Edge / Full RB

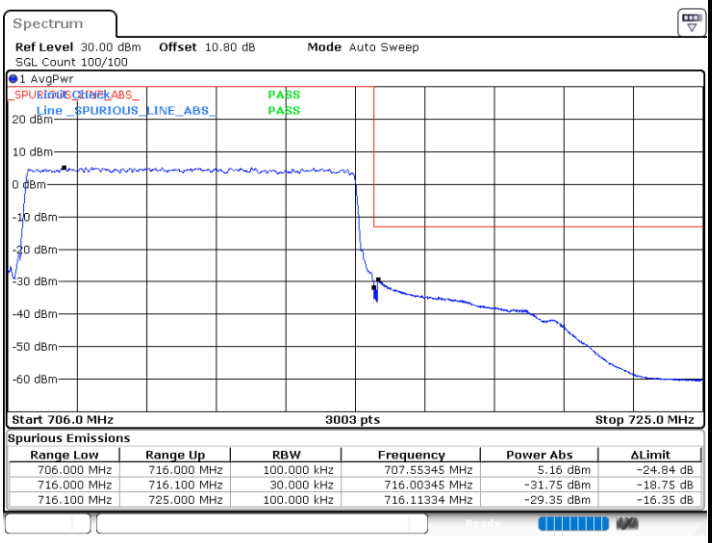


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-27.62 dBm	-14.62 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97777 MHz	-29.65 dBm	-16.65 dB
699.000 MHz	709.000 MHz	100.000 kHz	702.17183 MHz	5.71 dBm	-24.29 dB

Date: 23.SEP.2022 09:37:50

Highest Band Edge / Full RB



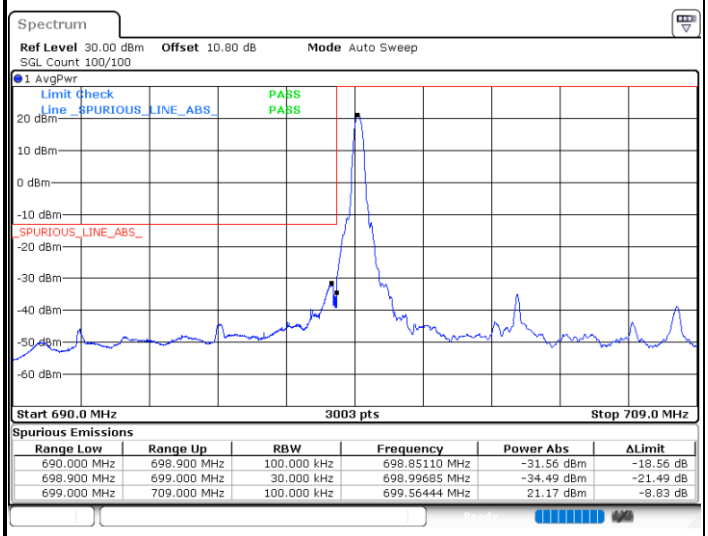
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	707.55345 MHz	5.16 dBm	-24.84 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00345 MHz	-31.75 dBm	-18.75 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-29.35 dBm	-16.35 dB

Date: 23.SEP.2022 09:46:08

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

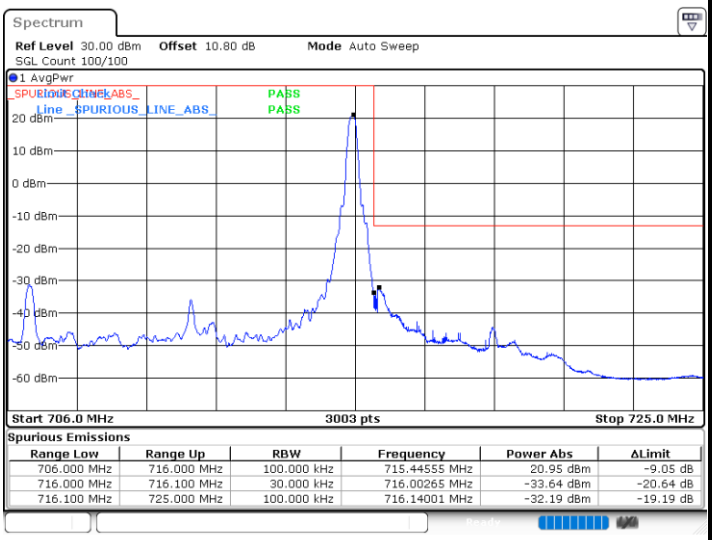


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.85110 MHz	-31.56 dBm	-18.56 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99685 MHz	-34.49 dBm	-21.49 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.56444 MHz	21.17 dBm	-8.83 dB

Date: 23.SEP.2022 09:39:48

Highest Band Edge / 1 RB

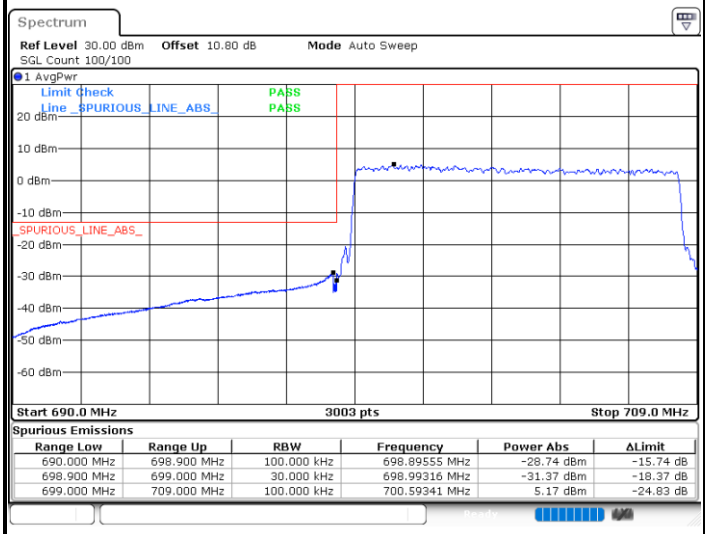


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.44555 MHz	20.95 dBm	-9.05 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00265 MHz	-33.64 dBm	-20.64 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.14001 MHz	-32.19 dBm	-19.19 dB

Date: 23.SEP.2022 09:48:05

Lowest Band Edge / Full RB

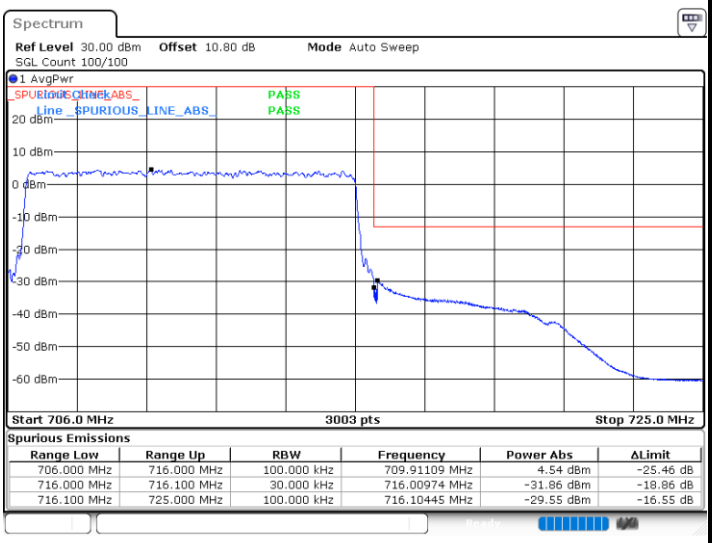


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.74 dBm	-15.74 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99316 MHz	-31.37 dBm	-18.37 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.59341 MHz	5.17 dBm	-24.83 dB

Date: 23.SEP.2022 09:38:49

Highest Band Edge / Full RB



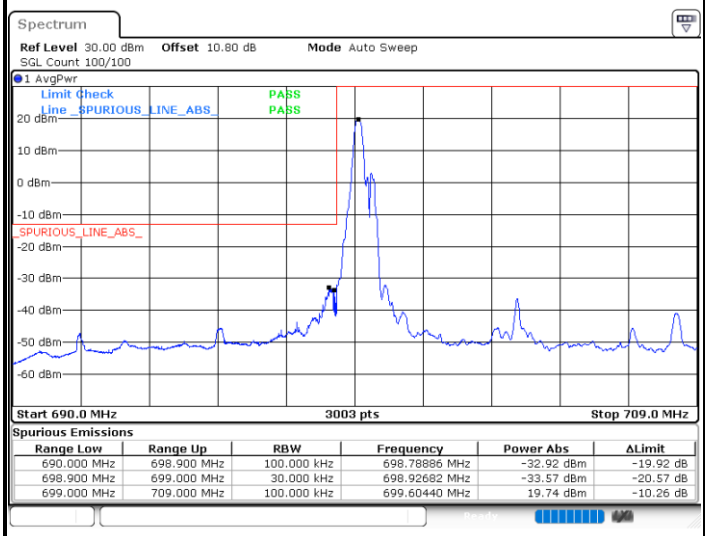
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.91109 MHz	4.54 dBm	-25.46 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00974 MHz	-31.86 dBm	-18.86 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-29.55 dBm	-16.55 dB

Date: 23.SEP.2022 09:47:06

LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

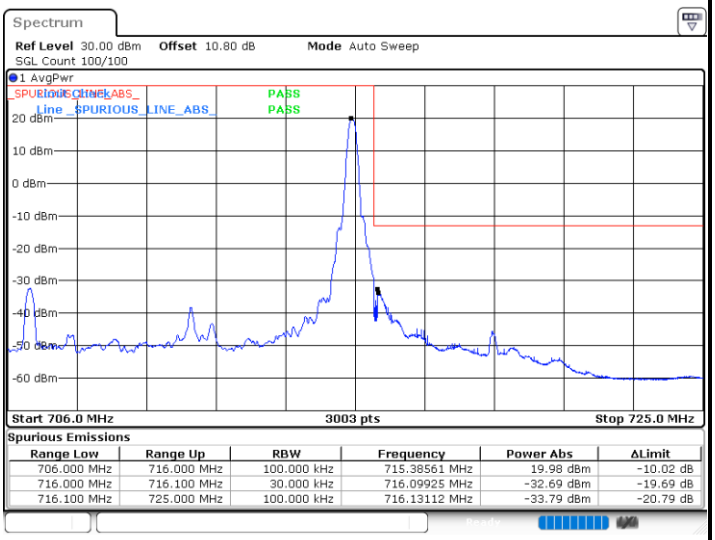


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.78886 MHz	-32.92 dBm	-19.92 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.92682 MHz	-33.57 dBm	-20.57 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	19.74 dBm	-10.26 dB

Date: 23.SEP.2022 09:52:30

Highest Band Edge / 1 RB

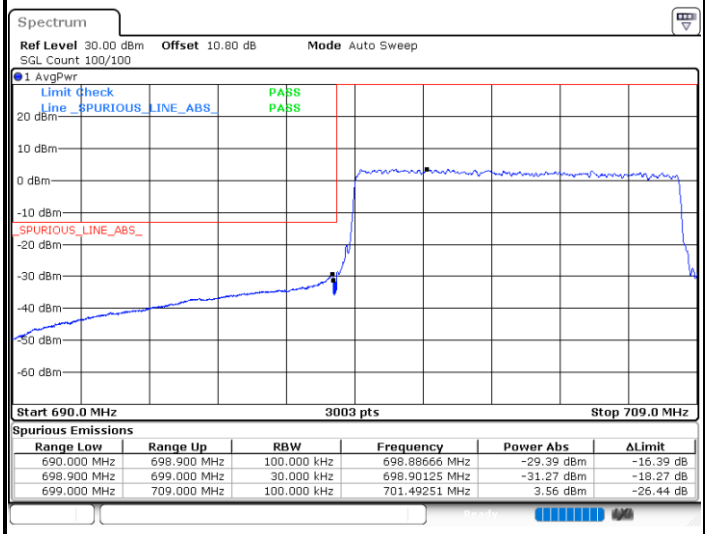


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	19.98 dBm	-10.02 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.09925 MHz	-32.69 dBm	-19.69 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-33.79 dBm	-20.79 dB

Date: 23.SEP.2022 09:55:11

Lowest Band Edge / Full RB

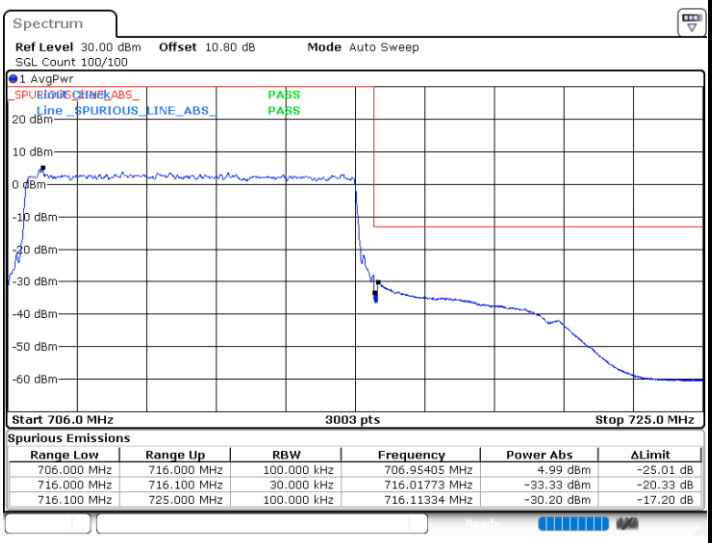


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-29.39 dBm	-16.39 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.90125 MHz	-31.27 dBm	-18.27 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.49251 MHz	3.56 dBm	-26.44 dB

Date: 23.SEP.2022 09:51:31

Highest Band Edge / Full RB



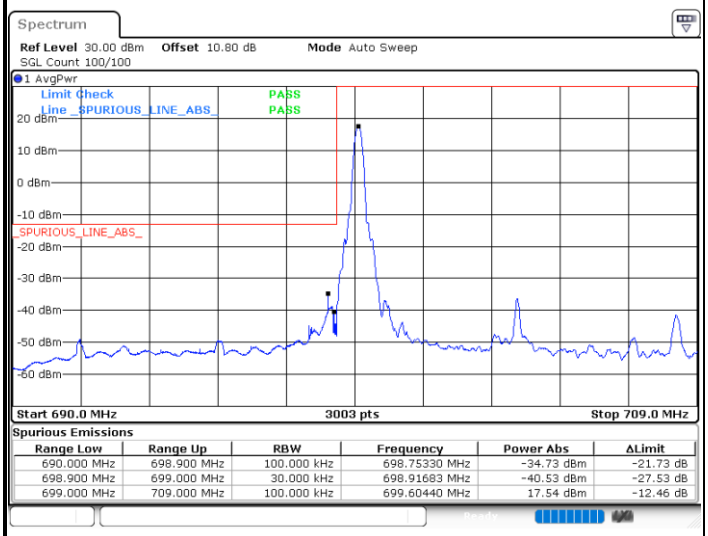
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	706.95405 MHz	4.99 dBm	-25.01 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01773 MHz	-33.33 dBm	-20.33 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-30.20 dBm	-17.20 dB

Date: 23.SEP.2022 09:54:12

LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

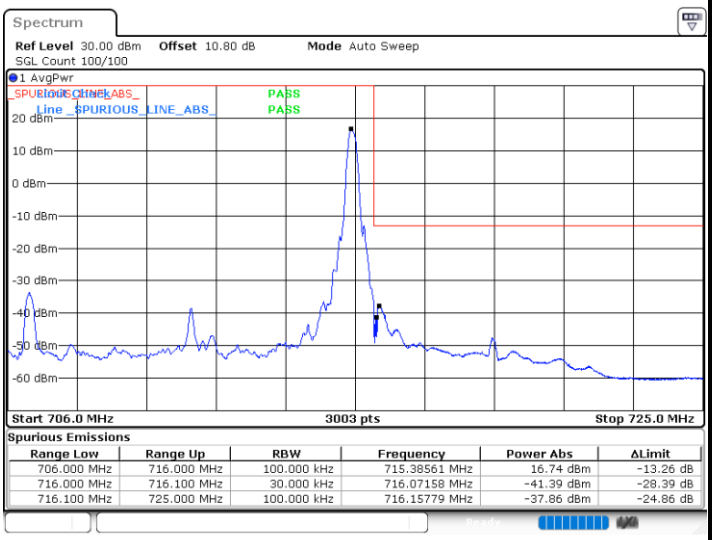


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.75330 MHz	-34.73 dBm	-21.73 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.91683 MHz	-40.53 dBm	-27.53 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	17.54 dBm	-12.46 dB

Date: 23.SEP.2022 10:12:58

Highest Band Edge / 1 RB

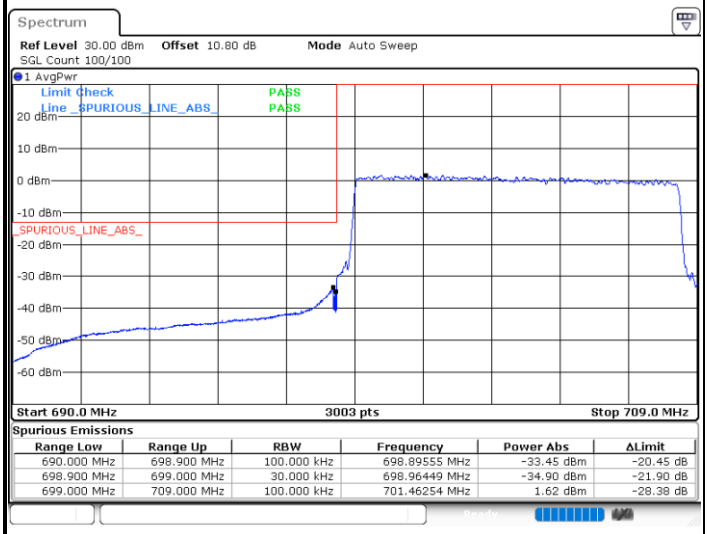


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	16.74 dBm	-13.26 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.07158 MHz	-41.39 dBm	-28.39 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.15779 MHz	-37.86 dBm	-24.86 dB

Date: 23.SEP.2022 10:15:39

Lowest Band Edge / Full RB

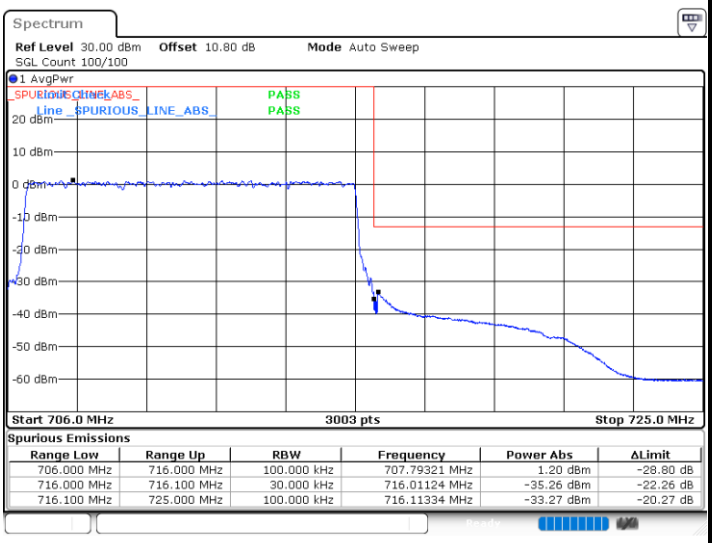


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-33.45 dBm	-20.45 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.96449 MHz	-34.90 dBm	-21.90 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.46254 MHz	1.62 dBm	-28.38 dB

Date: 23.SEP.2022 10:11:59

Highest Band Edge / Full RB



Spurious Emissions

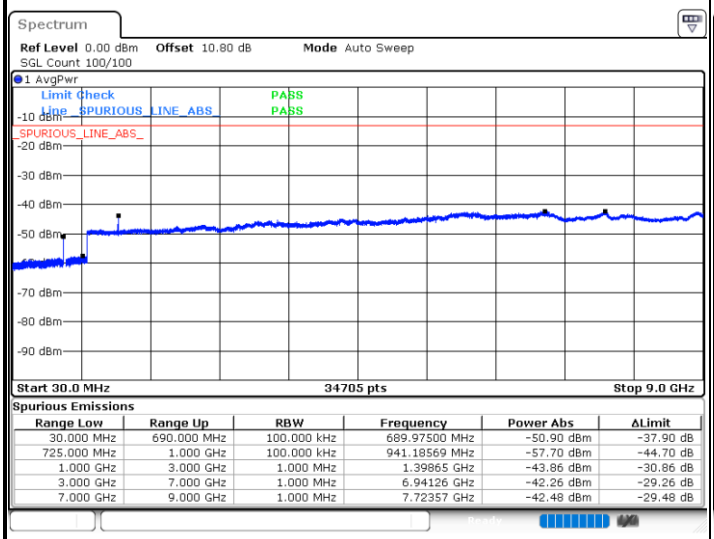
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	707.79321 MHz	1.20 dBm	-28.80 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01124 MHz	-35.26 dBm	-22.26 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-33.27 dBm	-20.27 dB

Date: 23.SEP.2022 10:14:39

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

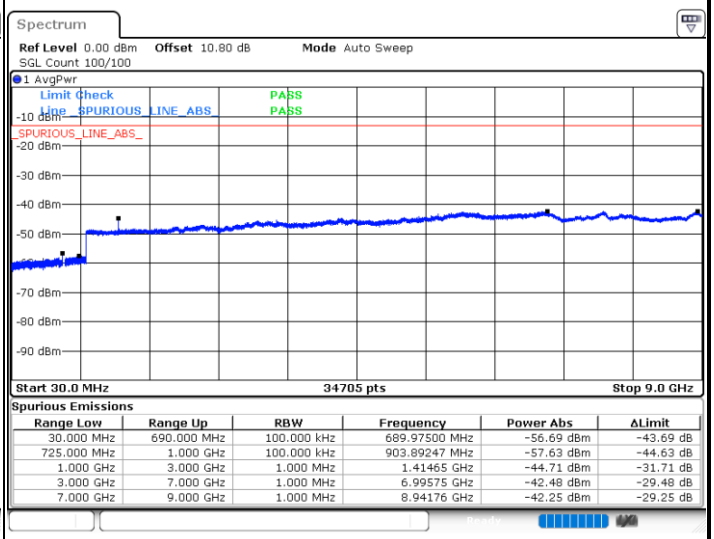


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.97500 MHz	-50.90 dBm	-37.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	941.18569 MHz	-57.70 dBm	-44.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.86 dBm	-30.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94126 GHz	-42.26 dBm	-29.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.72357 GHz	-42.48 dBm	-29.48 dB

Date: 23.SEP.2022 02:37:03

Middle Channel / QPSK

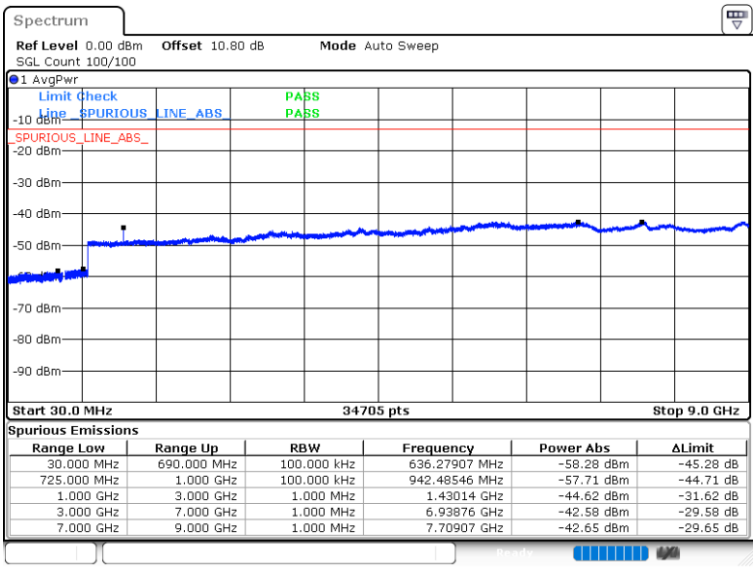


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.97500 MHz	-56.69 dBm	-43.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	903.89247 MHz	-57.63 dBm	-44.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-44.71 dBm	-31.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-42.48 dBm	-29.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94176 GHz	-42.25 dBm	-29.25 dB

Date: 23.SEP.2022 02:40:12

Highest Channel / QPSK



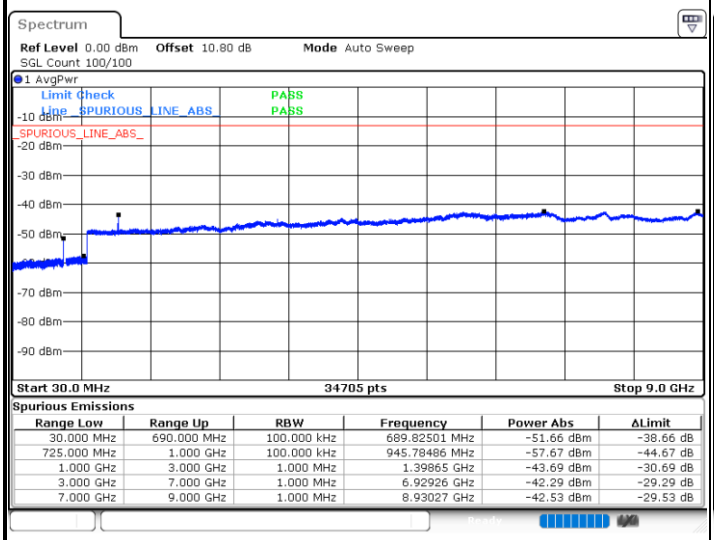
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	636.27907 MHz	-58.28 dBm	-45.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	942.48546 MHz	-57.71 dBm	-44.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.62 dBm	-31.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93876 GHz	-42.58 dBm	-29.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.70907 GHz	-42.65 dBm	-29.65 dB

Date: 23.SEP.2022 02:45:35

LTE Band 12 / 3MHz

Lowest Channel / QPSK

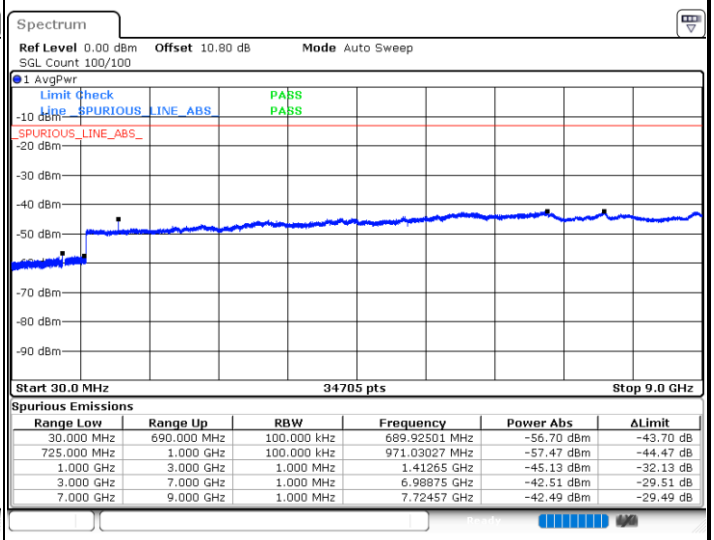


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.82501 MHz	-51.66 dBm	-38.66 dB
725.000 MHz	1.000 GHz	100.000 kHz	945.78486 MHz	-57.67 dBm	-44.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.69 dBm	-30.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92926 GHz	-42.29 dBm	-29.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93027 GHz	-42.53 dBm	-29.53 dB

Date: 23.SEP.2022 03:13:41

Middle Channel / QPSK

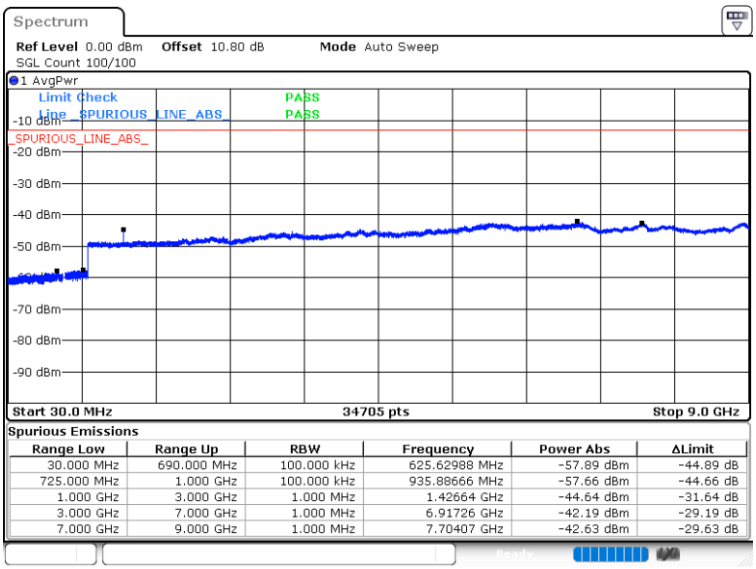


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.92501 MHz	-56.70 dBm	-43.70 dB
725.000 MHz	1.000 GHz	100.000 kHz	971.03027 MHz	-57.47 dBm	-44.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.13 dBm	-32.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-42.51 dBm	-29.51 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.72457 GHz	-42.49 dBm	-29.49 dB

Date: 23.SEP.2022 03:16:37

Highest Channel / QPSK



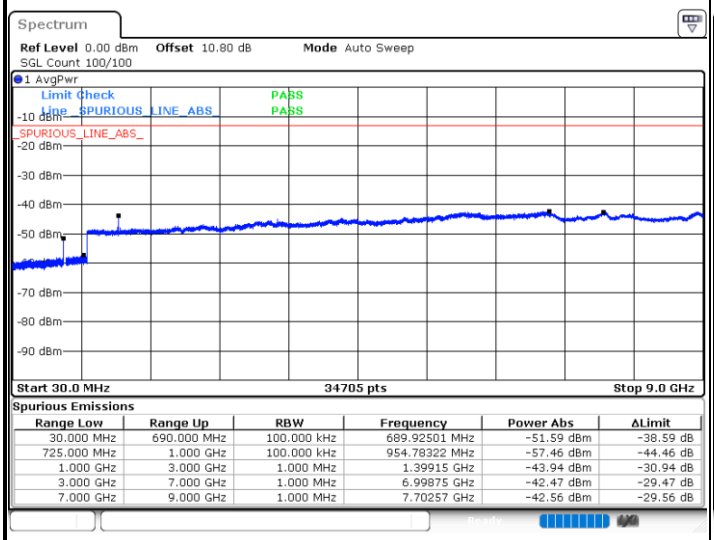
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.62988 MHz	-57.89 dBm	-44.89 dB
725.000 MHz	1.000 GHz	100.000 kHz	935.88666 MHz	-57.66 dBm	-44.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-44.64 dBm	-31.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91726 GHz	-42.19 dBm	-29.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.70407 GHz	-42.63 dBm	-29.63 dB

Date: 23.SEP.2022 09:13:43

LTE Band 12 / 5MHz

Lowest Channel / QPSK

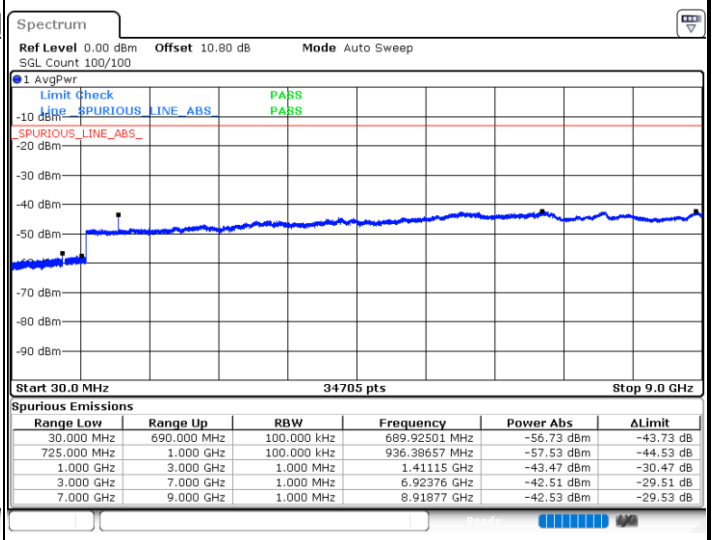


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.92501 MHz	-51.59 dBm	-38.59 dB
725.000 MHz	1.000 GHz	100.000 kHz	954.78322 MHz	-57.46 dBm	-44.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.94 dBm	-30.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-42.47 dBm	-29.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.70257 GHz	-42.56 dBm	-29.56 dB

Date: 23.SEP.2022 03:47:11

Middle Channel / QPSK

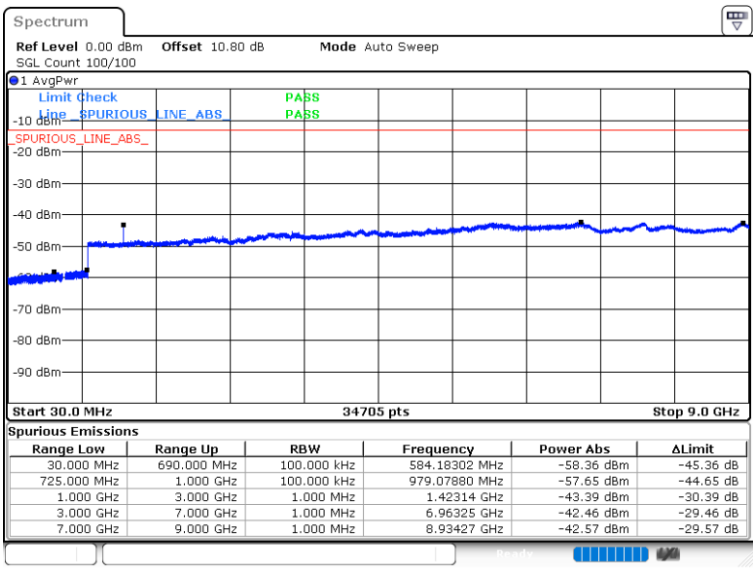


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.92501 MHz	-56.73 dBm	-43.73 dB
725.000 MHz	1.000 GHz	100.000 kHz	936.38657 MHz	-57.53 dBm	-44.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-43.47 dBm	-30.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92376 GHz	-42.51 dBm	-29.51 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91877 GHz	-42.53 dBm	-29.53 dB

Date: 23.SEP.2022 03:50:20

Highest Channel / QPSK



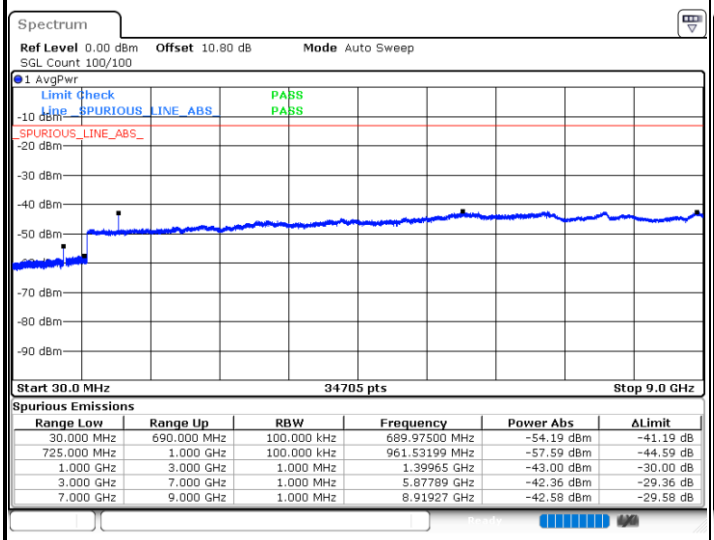
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	584.18302 MHz	-58.36 dBm	-45.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	979.07880 MHz	-57.65 dBm	-44.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.39 dBm	-30.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96325 GHz	-42.46 dBm	-29.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93427 GHz	-42.57 dBm	-29.57 dB

Date: 23.SEP.2022 03:55:44

LTE Band 12 / 10MHz

Lowest Channel / QPSK

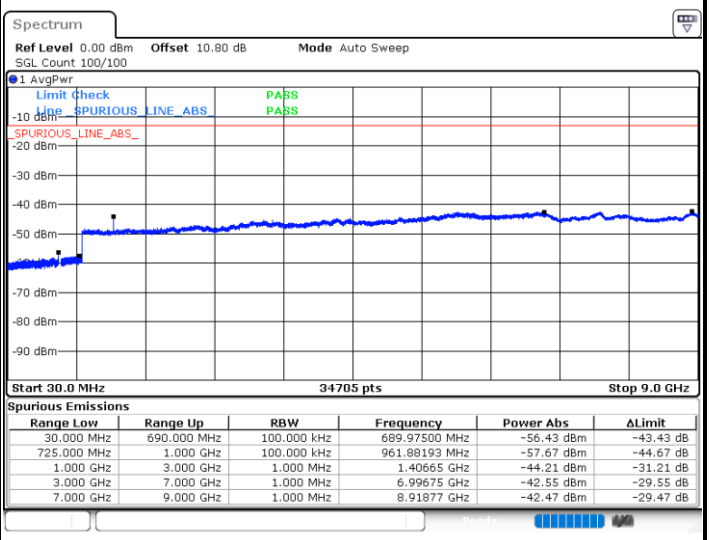


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.97500 MHz	-54.19 dBm	-41.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.53199 MHz	-57.59 dBm	-44.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.00 dBm	-30.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.87789 GHz	-42.36 dBm	-29.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91927 GHz	-42.58 dBm	-29.58 dB

Date: 23.SEP.2022 09:42:00

Middle Channel / QPSK

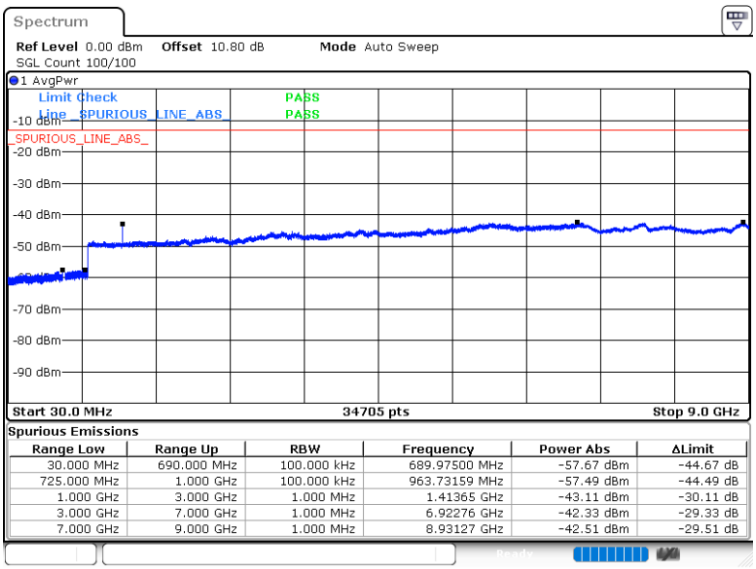


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.97500 MHz	-56.43 dBm	-43.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.88193 MHz	-57.67 dBm	-44.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.21 dBm	-31.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-42.55 dBm	-29.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91877 GHz	-42.47 dBm	-29.47 dB

Date: 23.SEP.2022 09:45:09

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.97500 MHz	-57.67 dBm	-44.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	963.73159 MHz	-57.49 dBm	-44.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92276 GHz	-42.33 dBm	-29.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93127 GHz	-42.51 dBm	-29.51 dB

Date: 23.SEP.2022 09:50:32

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	0.0174	
30	Normal Voltage	0.0122	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0073	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0099	
20	Maximum Voltage	0.0117	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

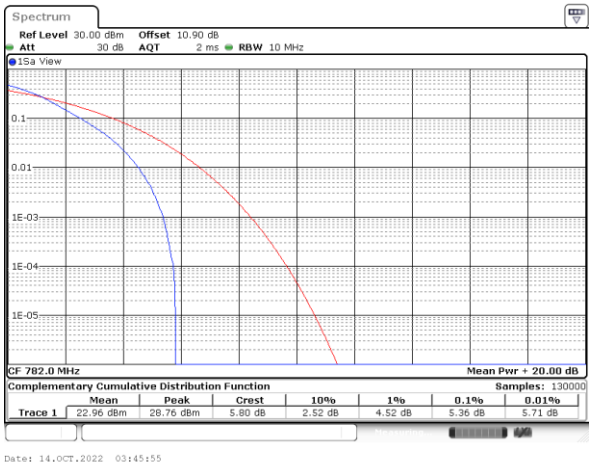
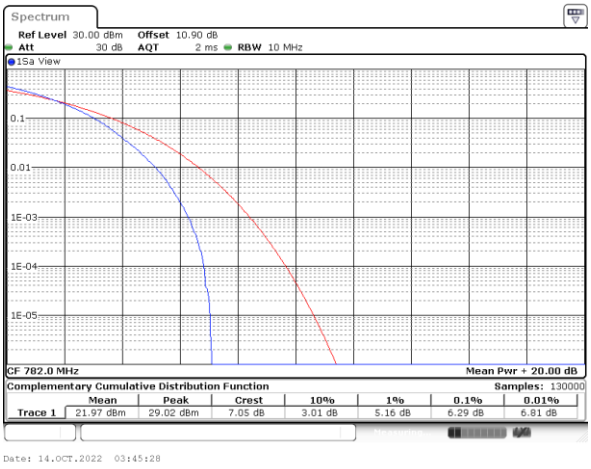
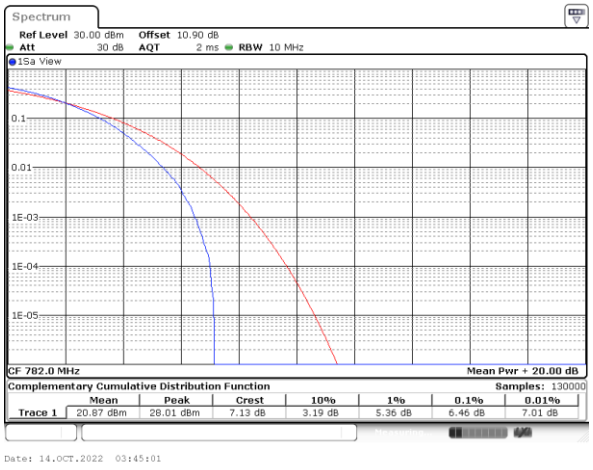
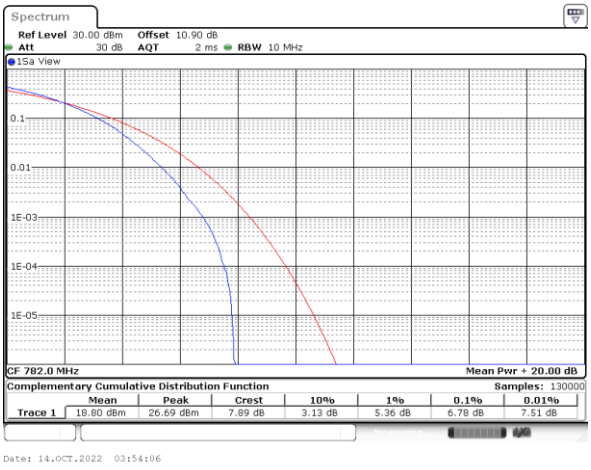
Note:

1. Normal Voltage = 3.85 V.；Battery End Point (BEP) = 3.60 V.；Maximum Voltage = 4.45 V.
2. 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	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.29	6.46	6.78	PASS

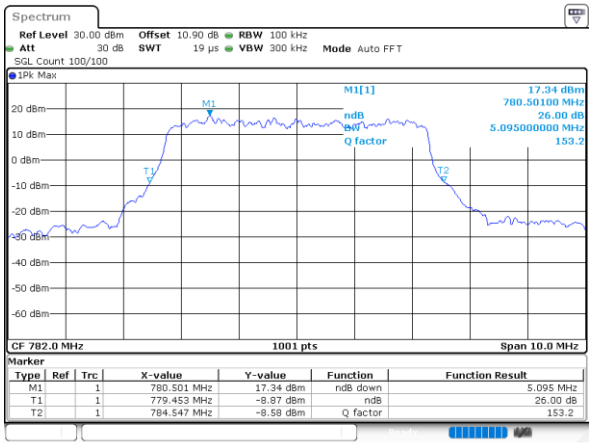
LTE Band 13 / 10MHz / QPSK	LTE Band 13 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 13 / 10MHz / 64QAM	LTE Band 13 / 10MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

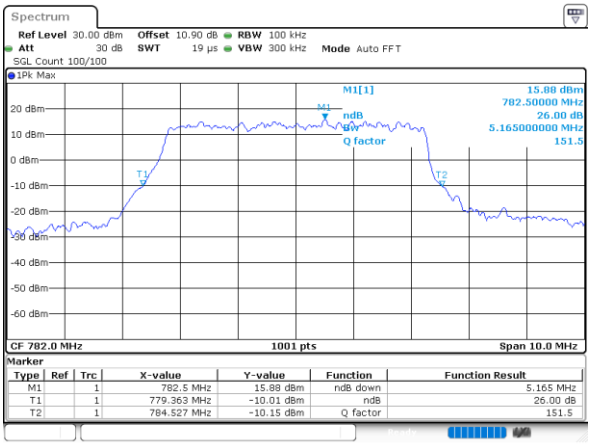
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.10	5.17	9.79	9.91	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.13	5.12	9.95	10.19	-	-	-	-

LTE Band 13

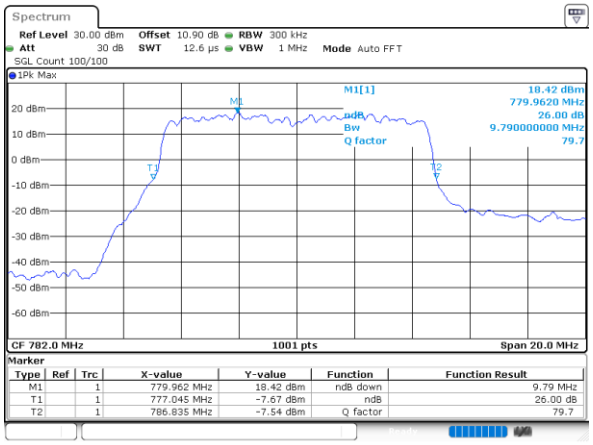
Middle Channel / 5MHz / QPSK



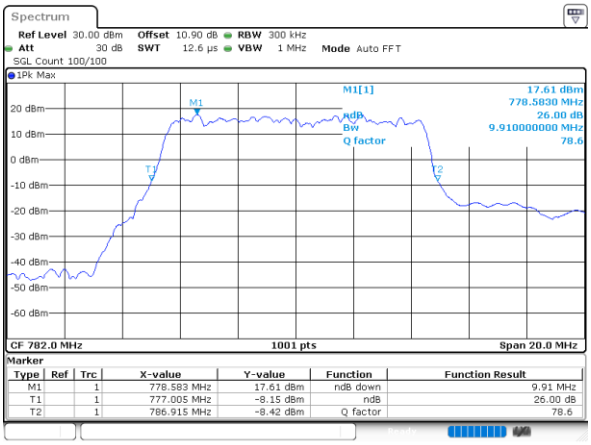
Middle Channel / 5MHz / 16QAM



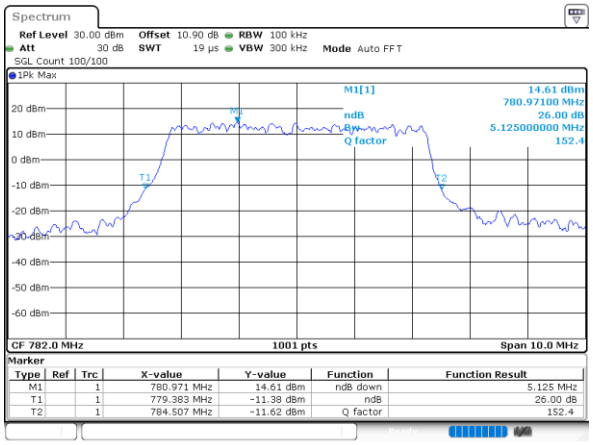
Middle Channel / 10MHz / QPSK



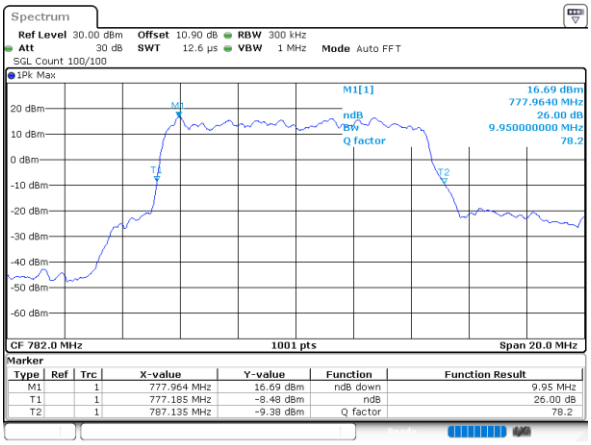
Middle Channel / 10MHz / 16QAM

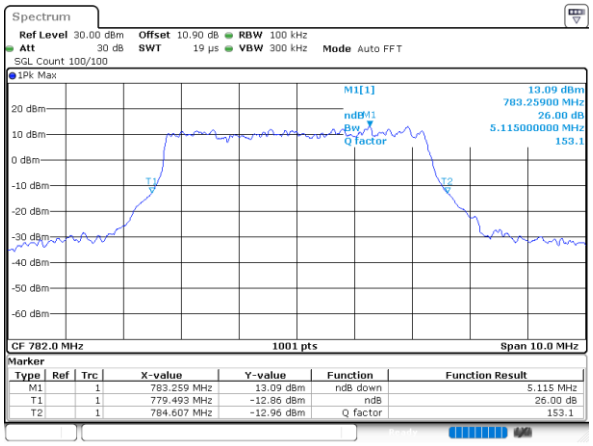
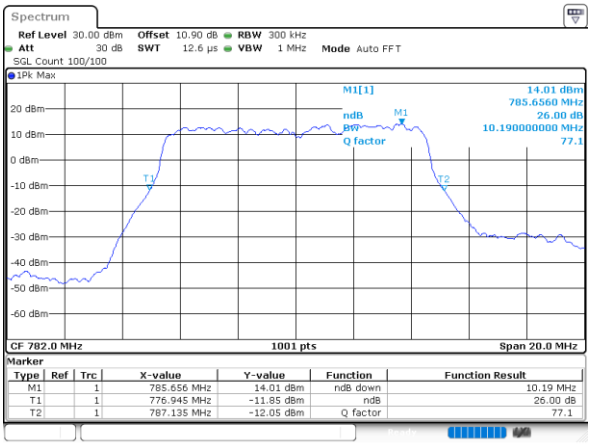


Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



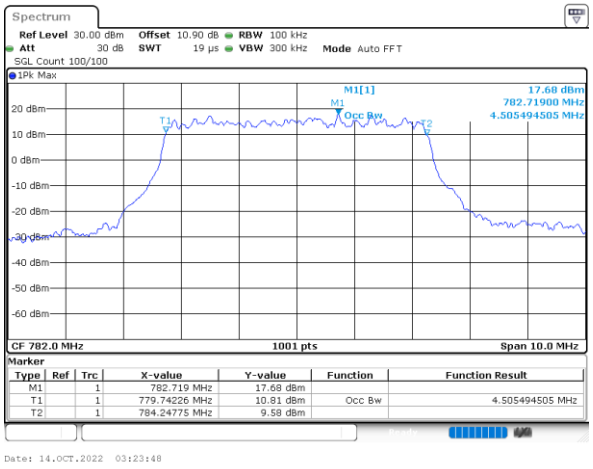
LTE Band 13	
Middle Channel / 5MHz / 256QAM	**Middle Channel / 10MHz / 256QAM**
	

Occupied Bandwidth

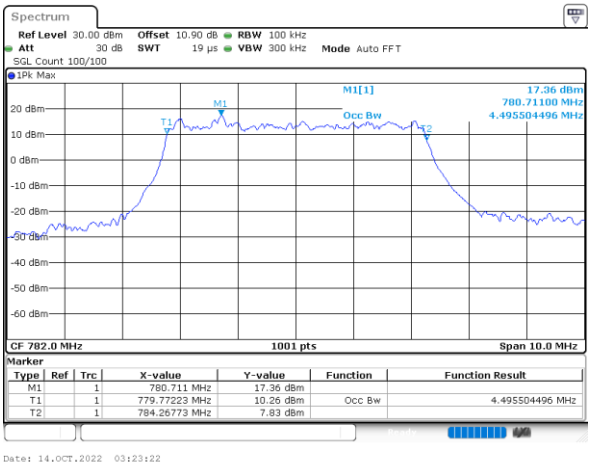
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.50	9.05	9.01	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	4.51	8.99	9.03	-	-	-	-

LTE Band 13

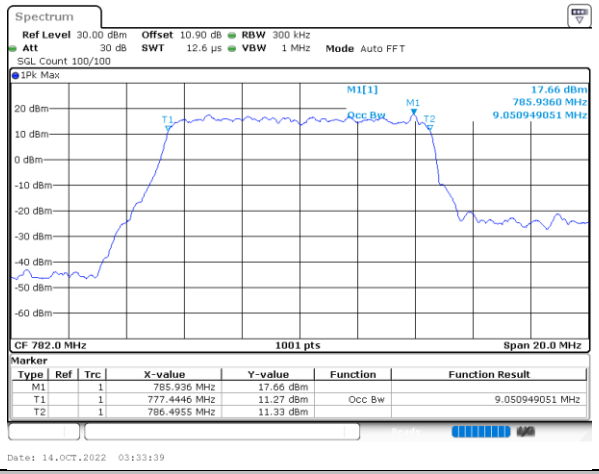
Middle Channel / 5MHz / QPSK



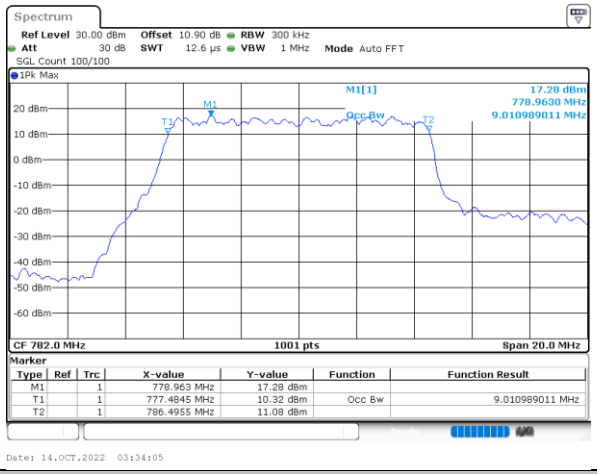
Middle Channel / 5MHz / 16QAM



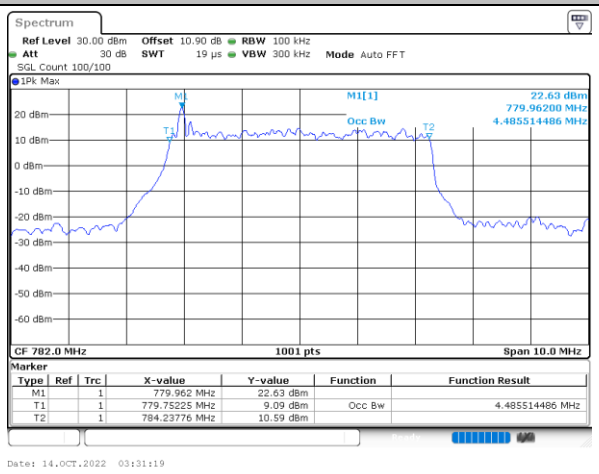
Middle Channel / 10MHz / QPSK



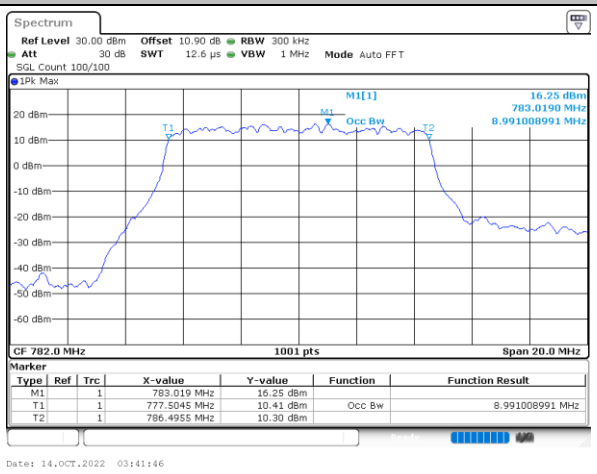
Middle Channel / 10MHz / 16QAM

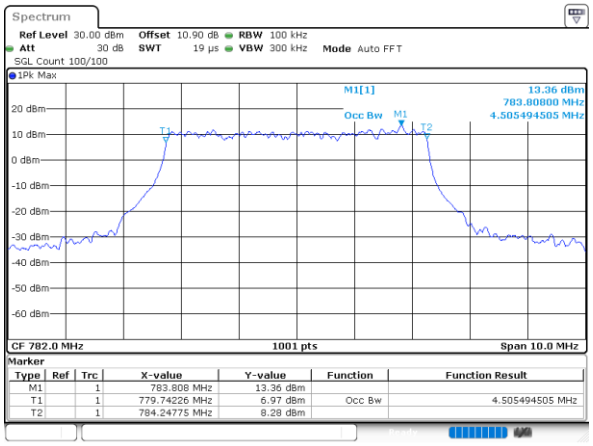
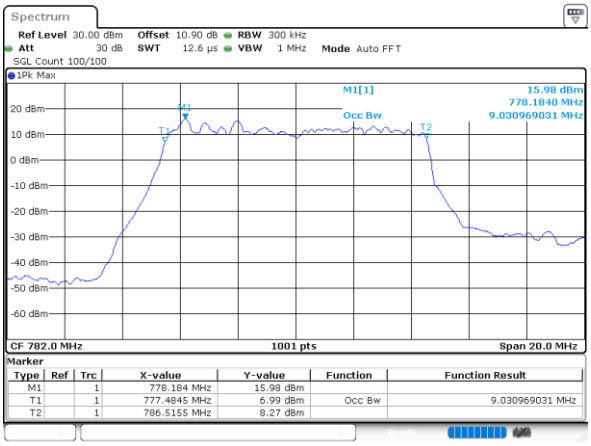


Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

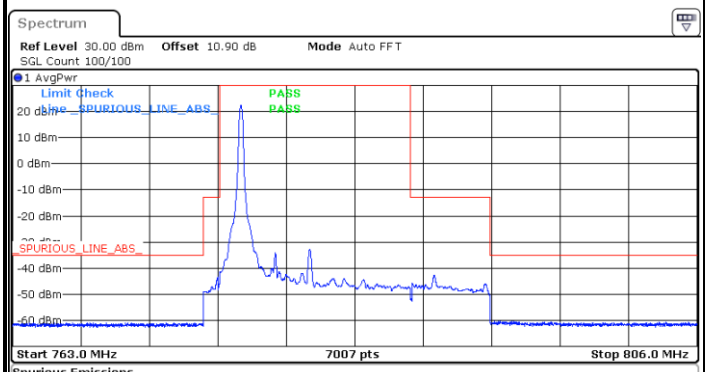


LTE Band 13	
Middle Channel / 5MHz / 256QAM	**Middle Channel / 10MHz / 256QAM**
	

Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

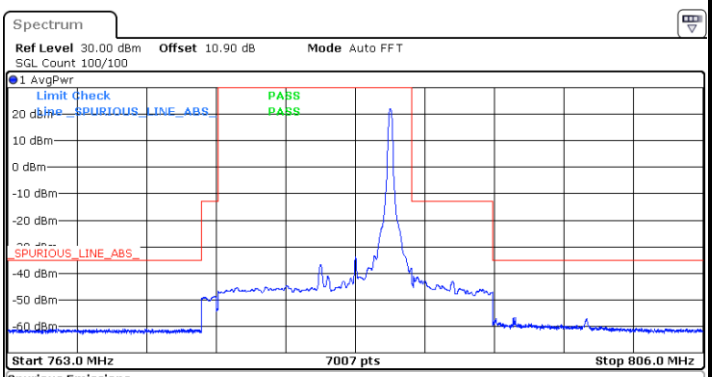


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.75824 MHz	-60.91 dBm	-25.91 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-43.48 dBm	-30.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-45.33 dBm	-32.33 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	22.24 dBm	-7.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06139 MHz	-51.87 dBm	-38.87 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.47797 MHz	-42.76 dBm	-29.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.47403 MHz	-60.35 dBm	-25.35 dB

Date: 14.OCT.2022 03:19:57

Highest Band Edge / 1 RB

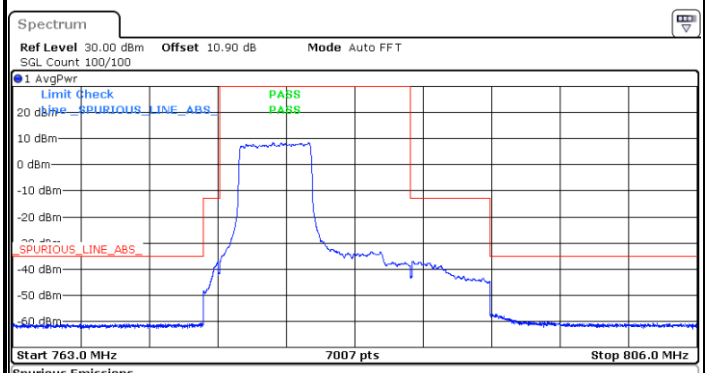


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.85514 MHz	-60.91 dBm	-25.91 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82043 MHz	-48.60 dBm	-35.60 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93571 MHz	-53.50 dBm	-40.50 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	21.99 dBm	-8.01 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-43.86 dBm	-30.86 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-41.17 dBm	-28.17 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.39610 MHz	-56.71 dBm	-21.71 dB

Date: 14.OCT.2022 03:27:31

Lowest Band Edge / Full RB

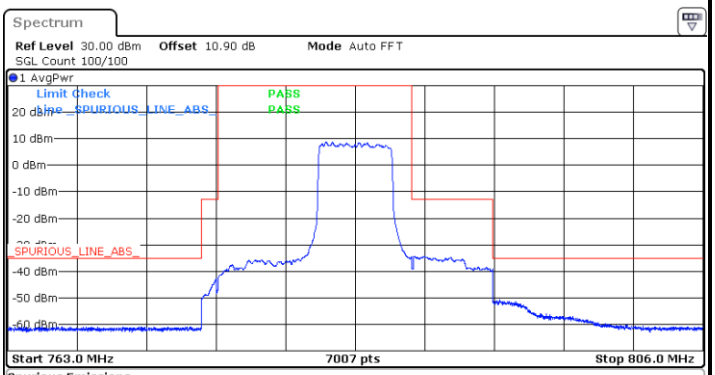


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-60.56 dBm	-25.56 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-37.26 dBm	-24.26 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93462 MHz	-41.30 dBm	-28.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.37463 MHz	8.42 dBm	-21.58 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06179 MHz	-42.65 dBm	-29.65 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-36.95 dBm	-23.95 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-57.29 dBm	-22.29 dB

Date: 14.OCT.2022 03:17:09

Highest Band Edge / Full RB



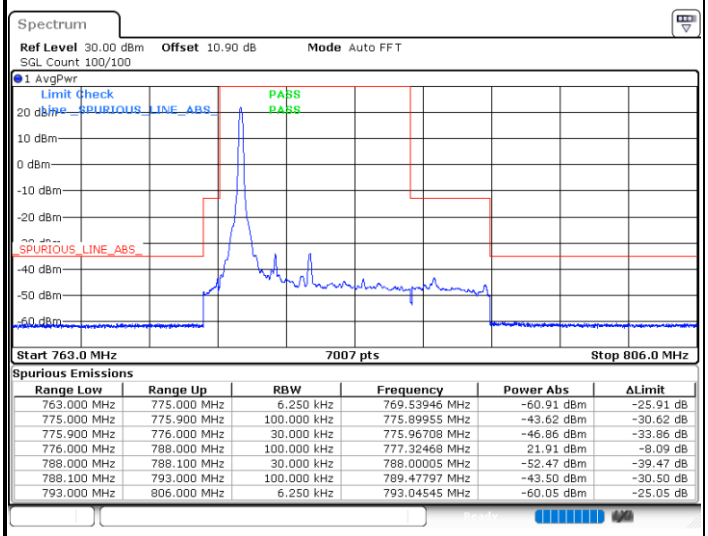
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.12288 MHz	-60.89 dBm	-25.89 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-42.84 dBm	-29.84 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99386 MHz	-47.06 dBm	-34.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.67133 MHz	8.60 dBm	-21.40 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-38.39 dBm	-25.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.73392 MHz	-34.38 dBm	-21.38 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.42208 MHz	-50.79 dBm	-15.79 dB

Date: 14.OCT.2022 03:24:43

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

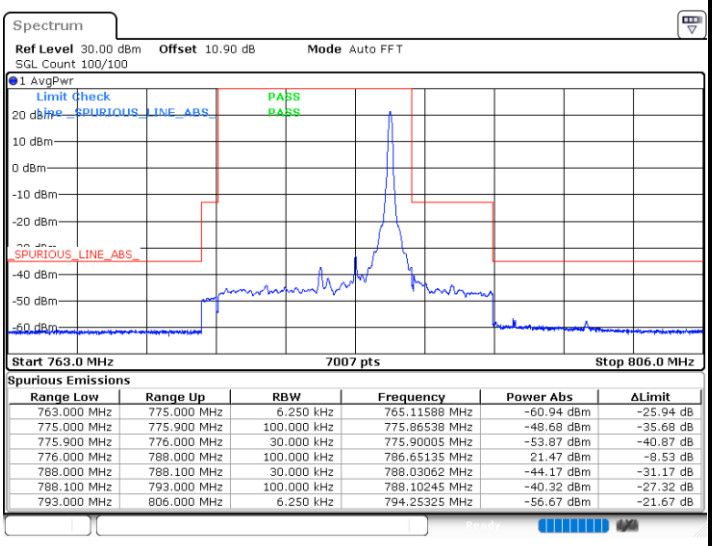


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.53946 MHz	-60.91 dBm	-25.91 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-43.62 dBm	-30.62 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96708 MHz	-46.86 dBm	-33.86 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	21.91 dBm	-8.09 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-52.47 dBm	-39.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.47797 MHz	-43.50 dBm	-30.50 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-60.05 dBm	-25.05 dB

Date: 14.OCT.2022 03:19:02

Highest Band Edge / 1 RB

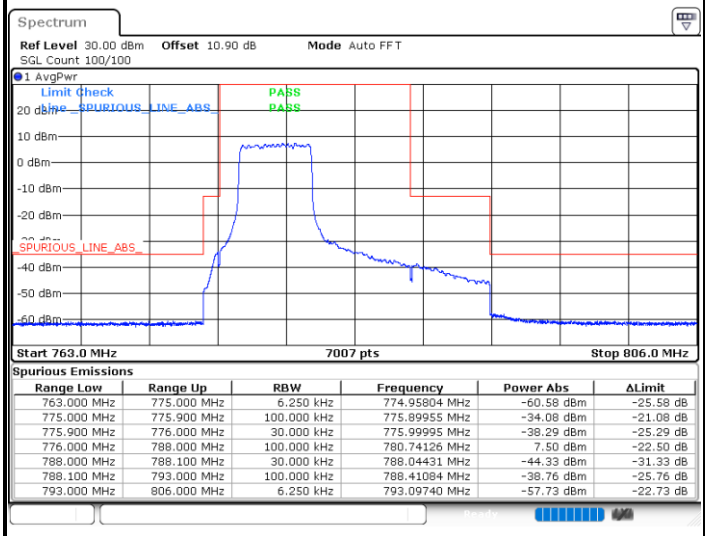


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.11588 MHz	-60.94 dBm	-25.94 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86538 MHz	-48.68 dBm	-35.68 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-53.87 dBm	-40.87 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.65135 MHz	21.47 dBm	-8.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03062 MHz	-44.17 dBm	-31.17 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-40.32 dBm	-27.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.25325 MHz	-56.67 dBm	-21.67 dB

Date: 14.OCT.2022 03:26:35

Lowest Band Edge / Full RB

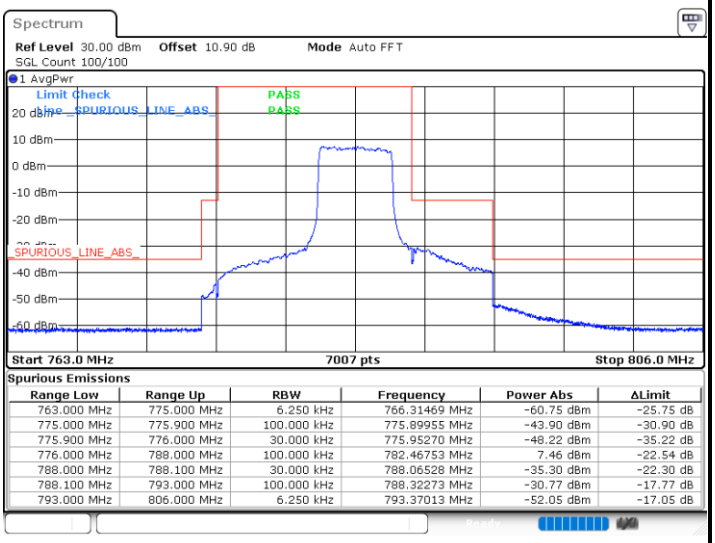


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.95804 MHz	-60.58 dBm	-25.58 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-34.08 dBm	-21.08 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-38.29 dBm	-25.29 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.74126 MHz	7.50 dBm	-22.50 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04431 MHz	-44.33 dBm	-31.33 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.41084 MHz	-38.76 dBm	-25.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.09740 MHz	-57.73 dBm	-22.73 dB

Date: 14.OCT.2022 03:18:06

Highest Band Edge / Full RB



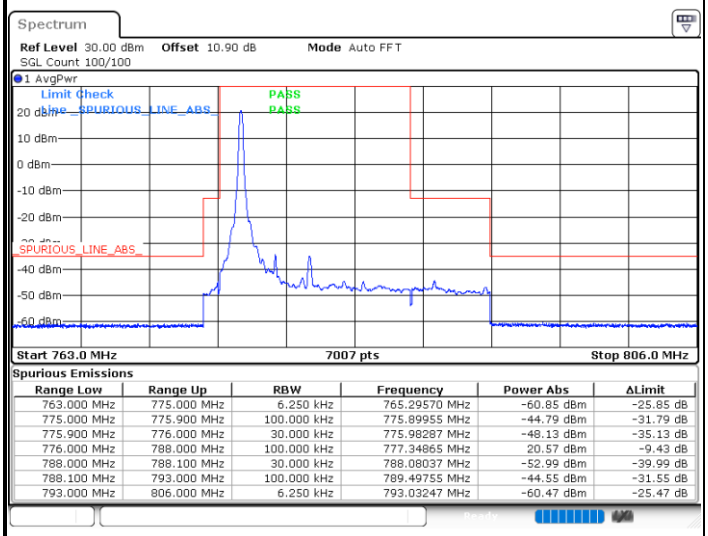
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.31469 MHz	-60.75 dBm	-25.75 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-43.90 dBm	-30.90 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95270 MHz	-48.22 dBm	-35.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.46753 MHz	7.46 dBm	-22.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06528 MHz	-35.30 dBm	-22.30 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.32273 MHz	-30.77 dBm	-17.77 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.37013 MHz	-52.05 dBm	-17.05 dB

Date: 14.OCT.2022 03:25:39

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

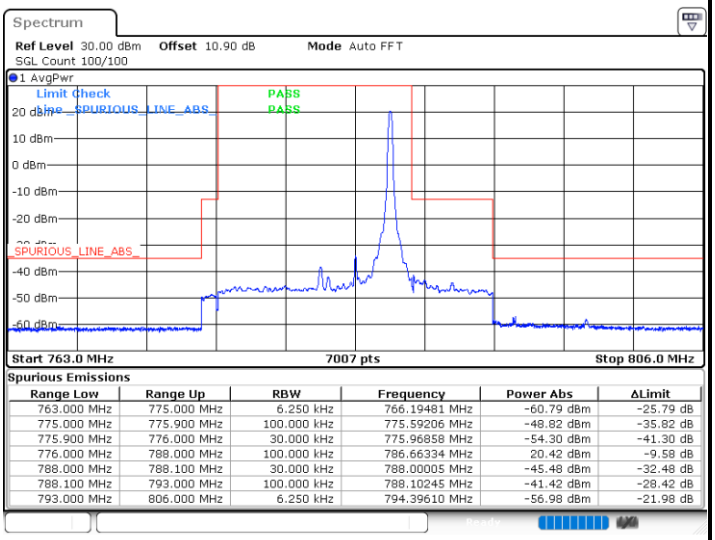


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.29570 MHz	-60.85 dBm	-25.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-44.79 dBm	-31.79 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98287 MHz	-48.13 dBm	-35.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	20.57 dBm	-9.43 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08037 MHz	-52.99 dBm	-39.99 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.49755 MHz	-44.55 dBm	-31.55 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-60.47 dBm	-25.47 dB

Date: 14.OCT.2022 03:30:38

Highest Band Edge / 1 RB

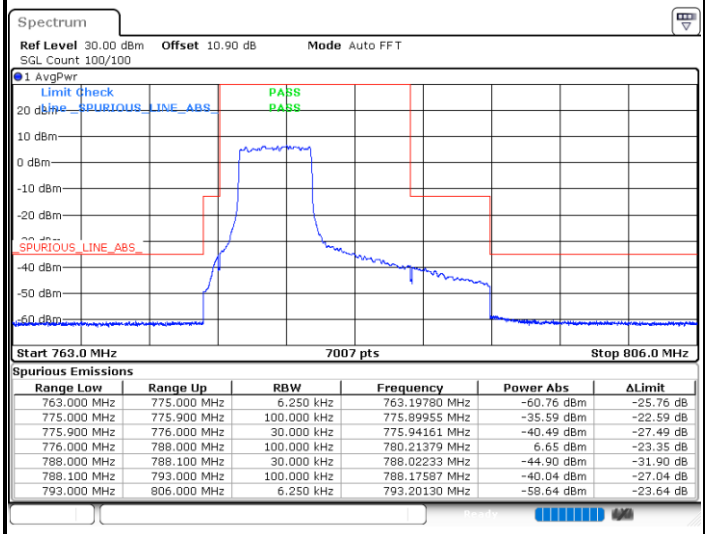


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.19481 MHz	-60.79 dBm	-25.79 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.59206 MHz	-48.82 dBm	-35.82 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96858 MHz	-54.30 dBm	-41.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	20.42 dBm	-9.58 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-45.48 dBm	-32.48 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-41.42 dBm	-28.42 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.39610 MHz	-56.98 dBm	-21.98 dB

Date: 14.OCT.2022 03:33:10

Lowest Band Edge / Full RB

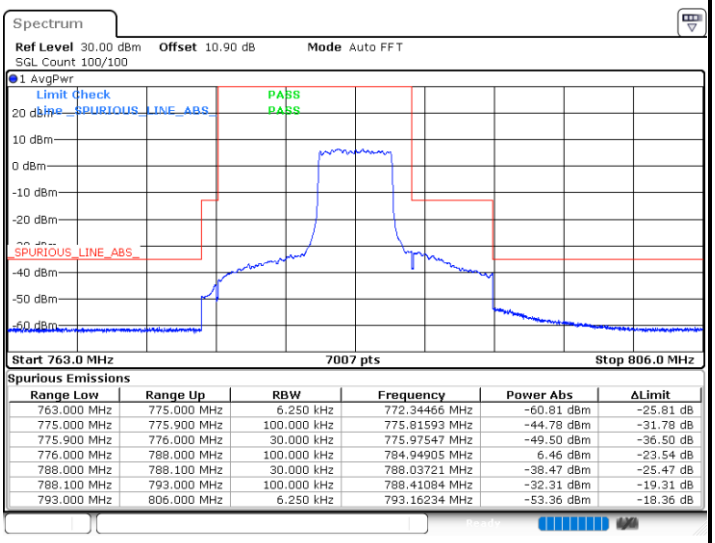


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.19780 MHz	-60.76 dBm	-25.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-35.59 dBm	-22.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94161 MHz	-40.49 dBm	-27.49 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.21379 MHz	6.65 dBm	-23.35 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02233 MHz	-44.90 dBm	-31.90 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.17587 MHz	-40.04 dBm	-27.04 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.20130 MHz	-58.64 dBm	-23.64 dB

Date: 14.OCT.2022 03:29:42

Highest Band Edge / Full RB



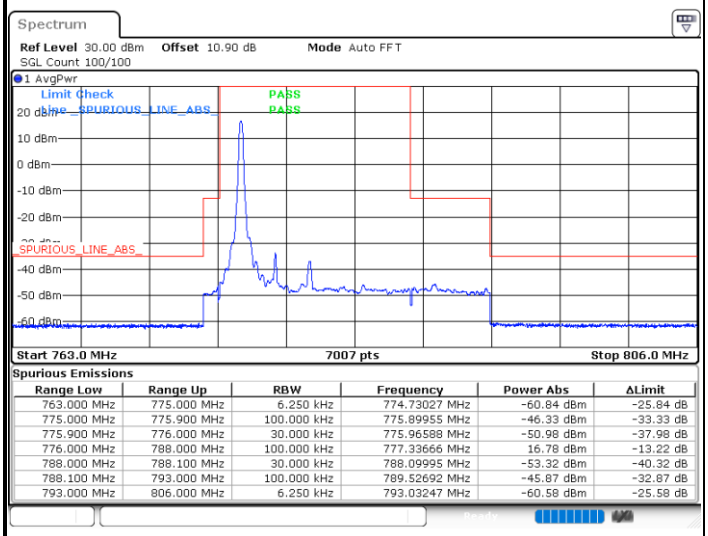
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.34466 MHz	-60.81 dBm	-25.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81593 MHz	-44.78 dBm	-31.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97547 MHz	-49.50 dBm	-36.50 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.94905 MHz	6.46 dBm	-23.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03721 MHz	-38.47 dBm	-25.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.41084 MHz	-32.31 dBm	-19.31 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.16234 MHz	-53.36 dBm	-18.36 dB

Date: 14.OCT.2022 03:32:14

LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

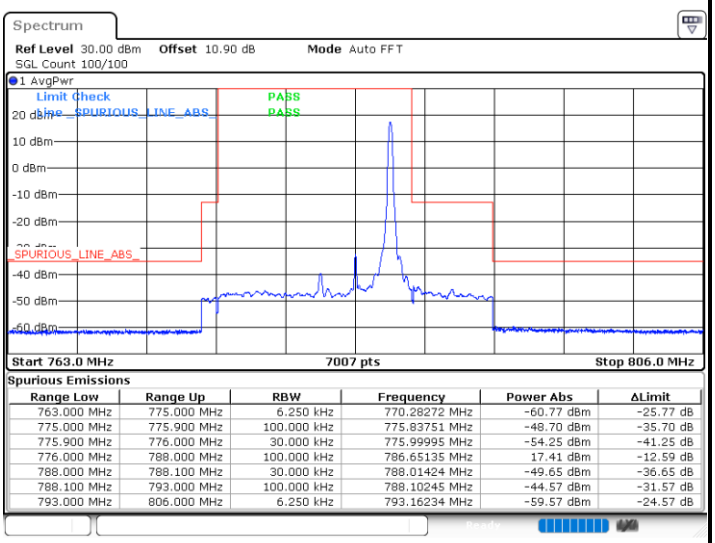


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.73027 MHz	-60.84 dBm	-25.84 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-46.33 dBm	-33.33 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96588 MHz	-50.98 dBm	-37.98 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	16.78 dBm	-13.22 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-53.32 dBm	-40.32 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.52692 MHz	-45.87 dBm	-32.87 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-60.58 dBm	-25.58 dB

Date: 14.OCT.2022 03:47:50

Highest Band Edge / 1 RB

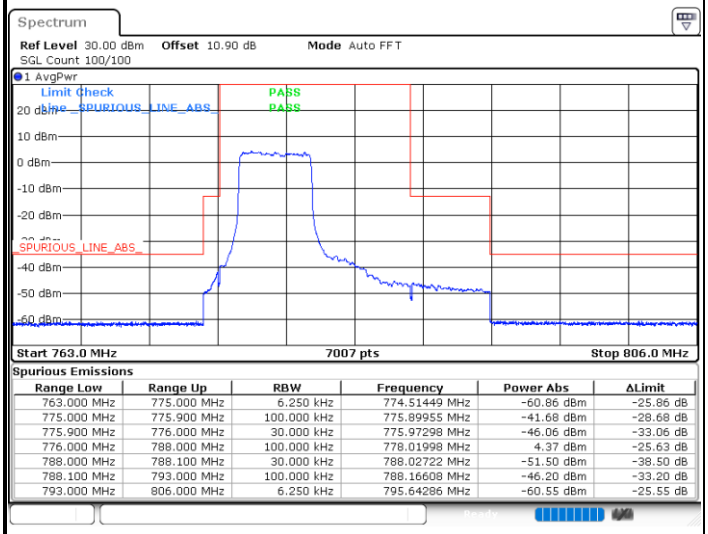


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.28272 MHz	-60.77 dBm	-25.77 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83751 MHz	-48.70 dBm	-35.70 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-54.25 dBm	-41.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.65135 MHz	17.41 dBm	-12.59 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01424 MHz	-49.65 dBm	-36.65 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-44.57 dBm	-31.57 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.16234 MHz	-59.57 dBm	-24.57 dB

Date: 14.OCT.2022 03:50:22

Lowest Band Edge / Full RB

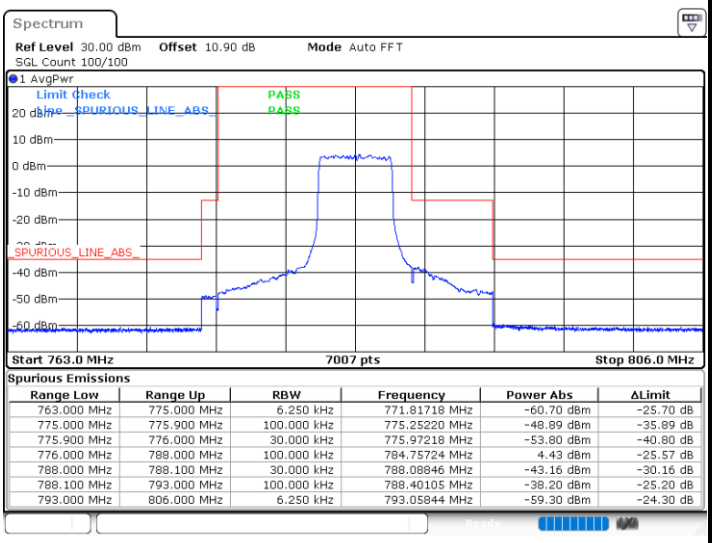


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.51449 MHz	-60.86 dBm	-25.86 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-41.68 dBm	-28.68 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97298 MHz	-46.06 dBm	-33.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.01998 MHz	4.37 dBm	-25.63 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02722 MHz	-51.50 dBm	-38.50 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16608 MHz	-46.20 dBm	-33.20 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.64286 MHz	-60.55 dBm	-25.55 dB

Date: 14.OCT.2022 03:46:54

Highest Band Edge / Full RB



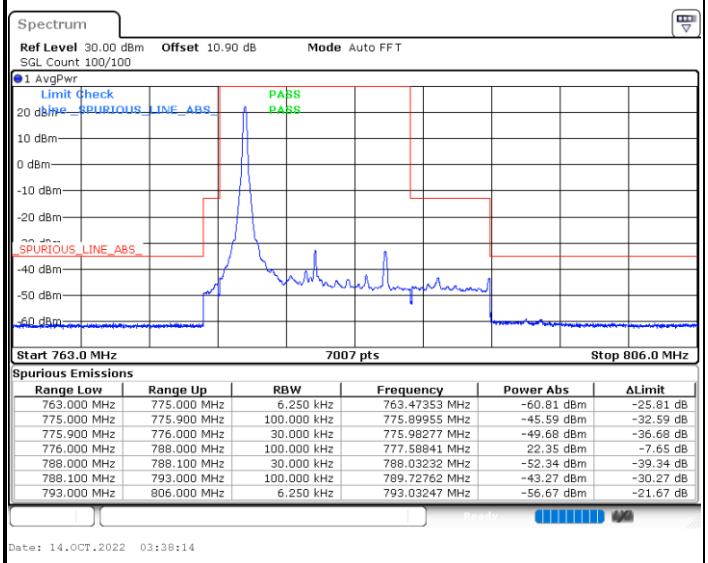
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.81718 MHz	-60.70 dBm	-25.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.25220 MHz	-48.89 dBm	-35.89 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97218 MHz	-53.80 dBm	-40.80 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.75724 MHz	4.43 dBm	-25.57 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08846 MHz	-43.16 dBm	-30.16 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.40105 MHz	-38.20 dBm	-25.20 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05844 MHz	-59.30 dBm	-24.30 dB

Date: 14.OCT.2022 03:49:25

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

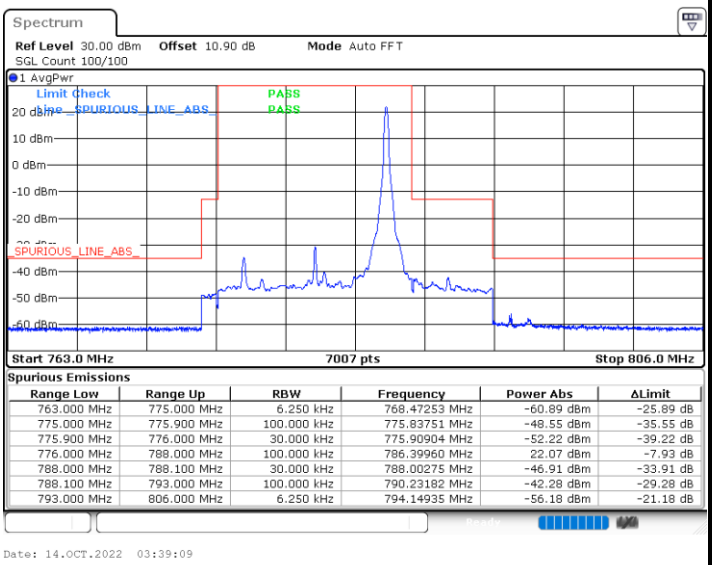


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.47353 MHz	-60.81 dBm	-25.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-45.59 dBm	-32.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98277 MHz	-49.68 dBm	-36.68 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	22.35 dBm	-7.65 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03232 MHz	-52.34 dBm	-39.34 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.72762 MHz	-43.27 dBm	-30.27 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-56.67 dBm	-21.67 dB

Date: 14.OCT.2022 03:38:14

Highest Band Edge / 1 RB

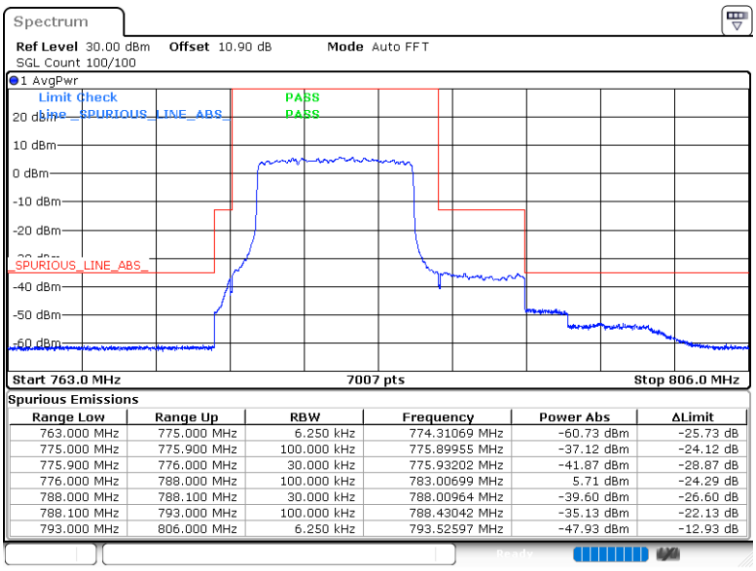


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.47253 MHz	-60.89 dBm	-25.89 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83751 MHz	-48.55 dBm	-35.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90904 MHz	-52.22 dBm	-39.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	22.07 dBm	-7.93 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00275 MHz	-46.91 dBm	-33.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.23182 MHz	-42.28 dBm	-29.28 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.14935 MHz	-56.18 dBm	-21.18 dB

Date: 14.OCT.2022 03:39:09

Band Edge / Full RB



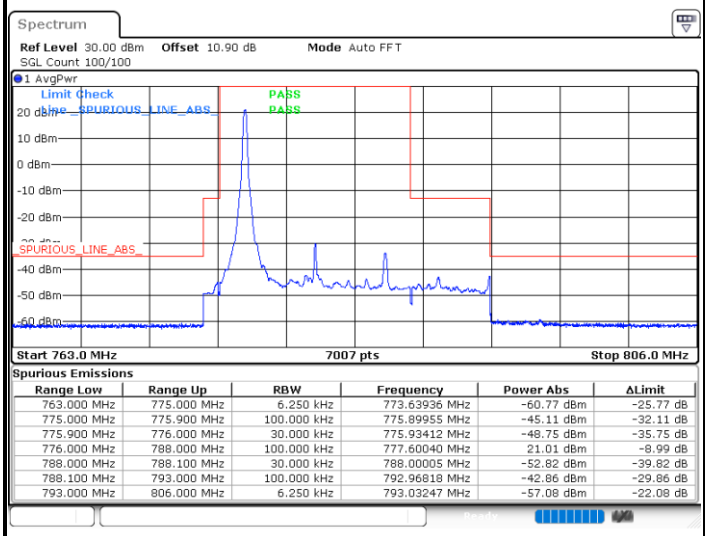
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.31069 MHz	-60.73 dBm	-25.73 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-37.12 dBm	-24.12 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93202 MHz	-41.87 dBm	-28.87 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.00699 MHz	5.71 dBm	-24.29 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00964 MHz	-39.60 dBm	-26.60 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.43042 MHz	-35.13 dBm	-22.13 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.52597 MHz	-47.93 dBm	-12.93 dB

Date: 14.OCT.2022 03:35:28

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

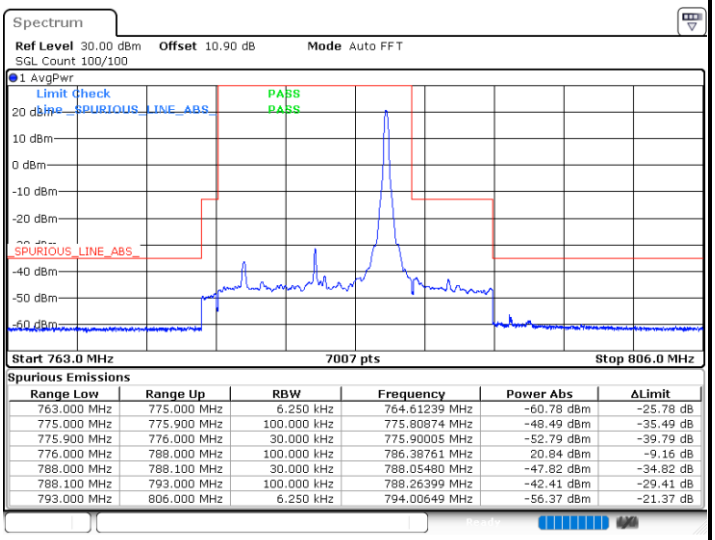


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.63936 MHz	-60.77 dBm	-25.77 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-45.11 dBm	-32.11 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93412 MHz	-48.75 dBm	-35.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	21.01 dBm	-8.99 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-52.82 dBm	-39.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.96818 MHz	-42.86 dBm	-29.86 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-57.08 dBm	-22.08 dB

Date: 14.OCT.2022 03:37:19

Highest Band Edge / 1 RB

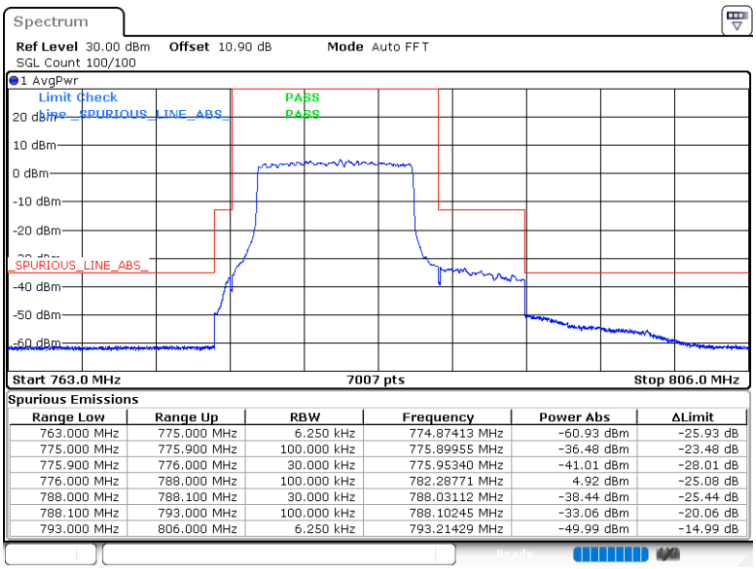


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.61239 MHz	-60.78 dBm	-25.78 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80874 MHz	-48.49 dBm	-35.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-52.79 dBm	-39.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	20.84 dBm	-9.16 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05480 MHz	-47.82 dBm	-34.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.26399 MHz	-42.41 dBm	-29.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.00649 MHz	-56.37 dBm	-21.37 dB

Date: 14.OCT.2022 03:40:05

Band Edge / Full RB



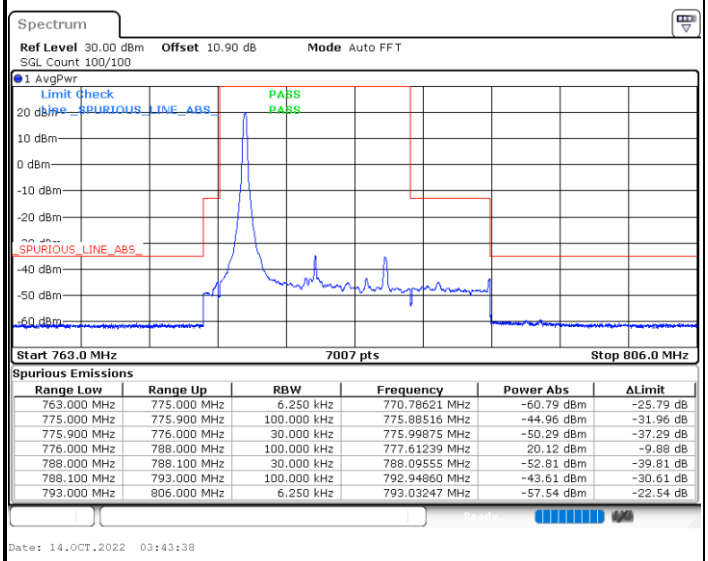
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.87413 MHz	-60.93 dBm	-25.93 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-36.48 dBm	-23.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95340 MHz	-41.01 dBm	-28.01 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.28771 MHz	4.92 dBm	-25.08 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03112 MHz	-38.44 dBm	-25.44 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-33.06 dBm	-20.06 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.21429 MHz	-49.99 dBm	-14.99 dB

Date: 14.OCT.2022 03:36:24

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

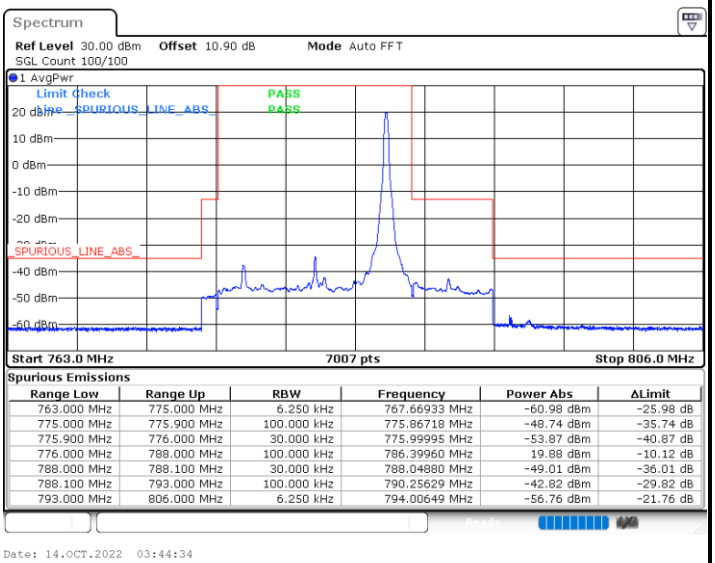


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.78621 MHz	-60.79 dBm	-25.79 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88516 MHz	-44.96 dBm	-31.96 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99875 MHz	-50.29 dBm	-37.29 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.61239 MHz	20.12 dBm	-9.88 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09555 MHz	-52.81 dBm	-39.81 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.94860 MHz	-43.61 dBm	-30.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-57.54 dBm	-22.54 dB

Date: 14.OCT.2022 03:43:38

Highest Band Edge / 1 RB

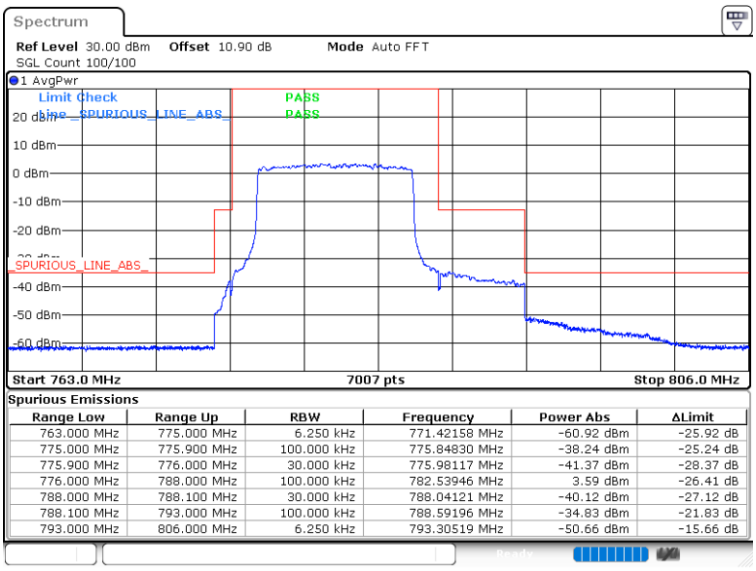


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.66933 MHz	-60.98 dBm	-25.98 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86718 MHz	-48.74 dBm	-35.74 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-53.87 dBm	-40.87 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	19.88 dBm	-10.12 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04880 MHz	-49.01 dBm	-36.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.25629 MHz	-42.82 dBm	-29.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.00649 MHz	-56.76 dBm	-21.76 dB

Date: 14.OCT.2022 03:44:34

Band Edge / Full RB



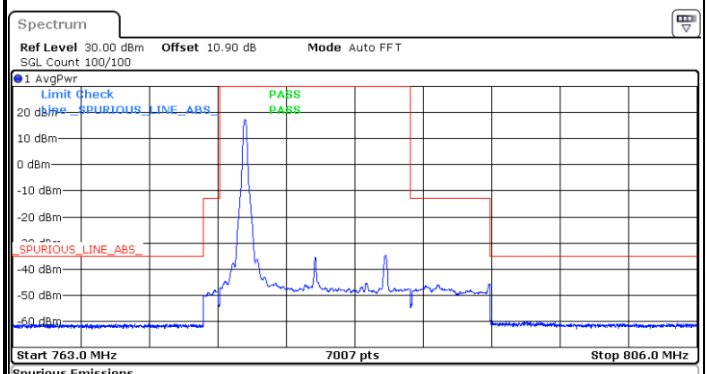
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.42158 MHz	-60.92 dBm	-25.92 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84830 MHz	-38.24 dBm	-25.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98117 MHz	-41.37 dBm	-28.37 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.53946 MHz	3.59 dBm	-26.41 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04121 MHz	-40.12 dBm	-27.12 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.59196 MHz	-34.83 dBm	-21.83 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.30519 MHz	-50.66 dBm	-15.66 dB

Date: 14.OCT.2022 03:42:43

LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

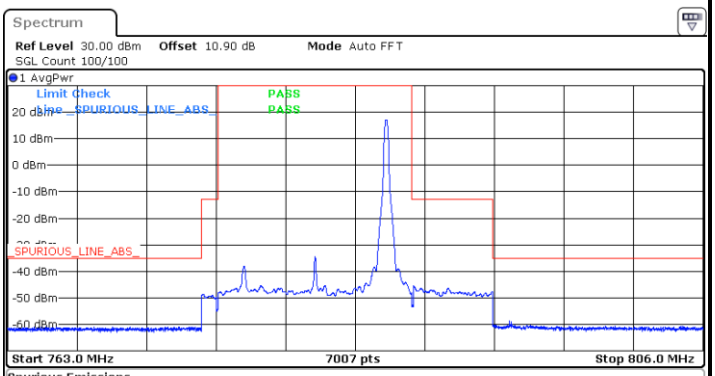


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.70529 MHz	-60.93 dBm	-25.93 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.70265 MHz	-48.12 dBm	-35.12 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-53.43 dBm	-40.43 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	17.36 dBm	-12.64 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05829 MHz	-53.34 dBm	-40.34 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.95350 MHz	-45.68 dBm	-32.68 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-59.55 dBm	-24.55 dB

Date: 14.OCT.2022 03:52:43

Highest Band Edge / 1 RB

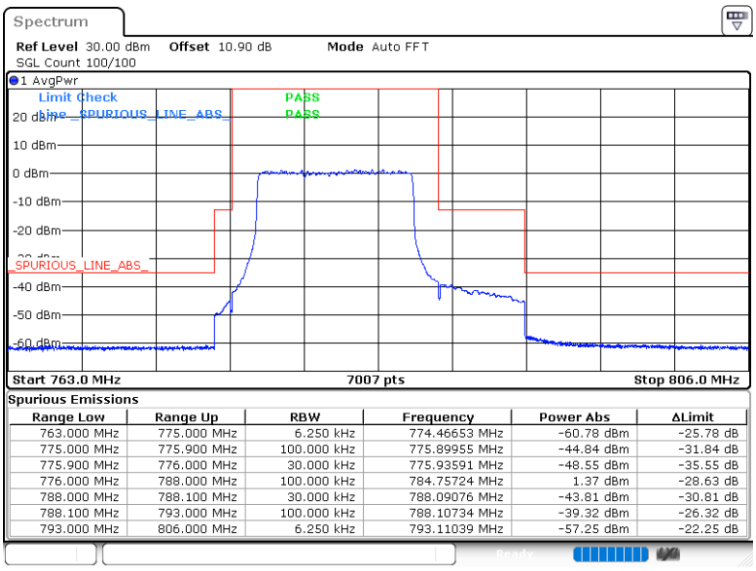


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.49151 MHz	-60.91 dBm	-25.91 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.06878 MHz	-48.58 dBm	-35.58 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90435 MHz	-53.71 dBm	-40.71 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	17.18 dBm	-12.82 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08037 MHz	-52.71 dBm	-39.71 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-45.56 dBm	-32.56 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.00649 MHz	-58.76 dBm	-23.76 dB

Date: 14.OCT.2022 03:53:38

Band Edge / Full RB



Spurious Emissions

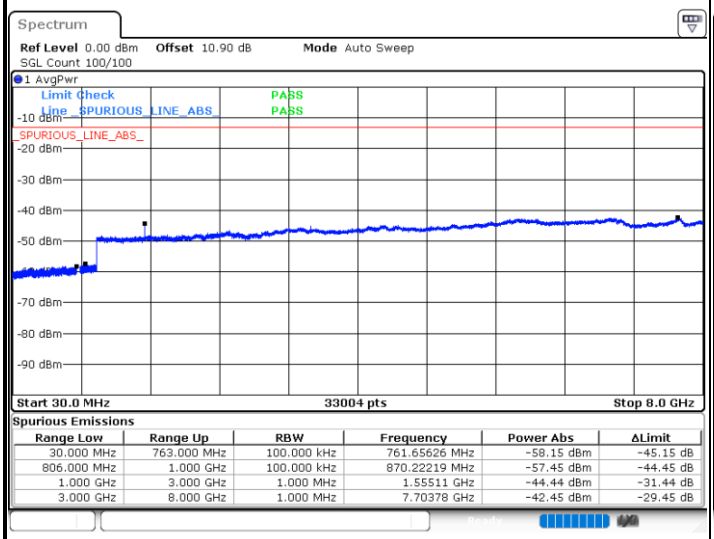
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.46653 MHz	-60.78 dBm	-25.78 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-44.84 dBm	-31.84 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93591 MHz	-48.55 dBm	-35.55 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.75724 MHz	1.37 dBm	-28.63 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09076 MHz	-43.81 dBm	-30.81 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-39.32 dBm	-26.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-57.25 dBm	-22.25 dB

Date: 14.OCT.2022 03:51:48

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

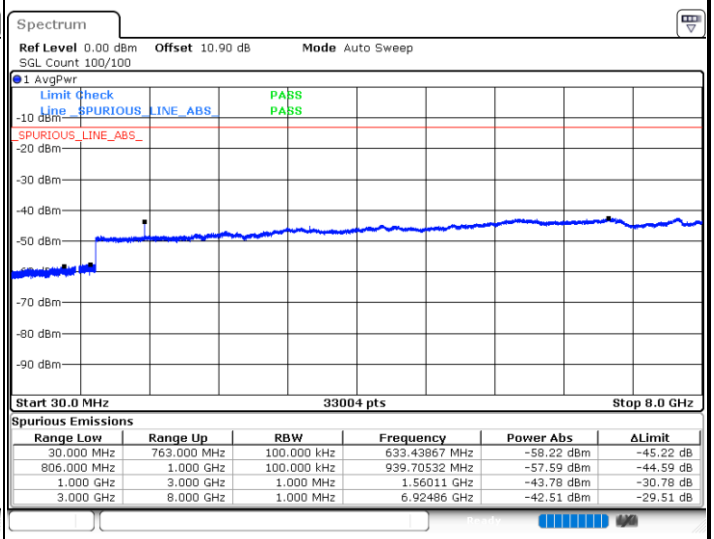


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.65626 MHz	-58.15 dBm	-45.15 dB
806.000 MHz	1.000 GHz	100.000 kHz	870.22219 MHz	-57.45 dBm	-44.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-44.44 dBm	-31.44 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.70378 GHz	-42.45 dBm	-29.45 dB

Date: 14.OCT.2022 03:21:00

Middle Channel / QPSK

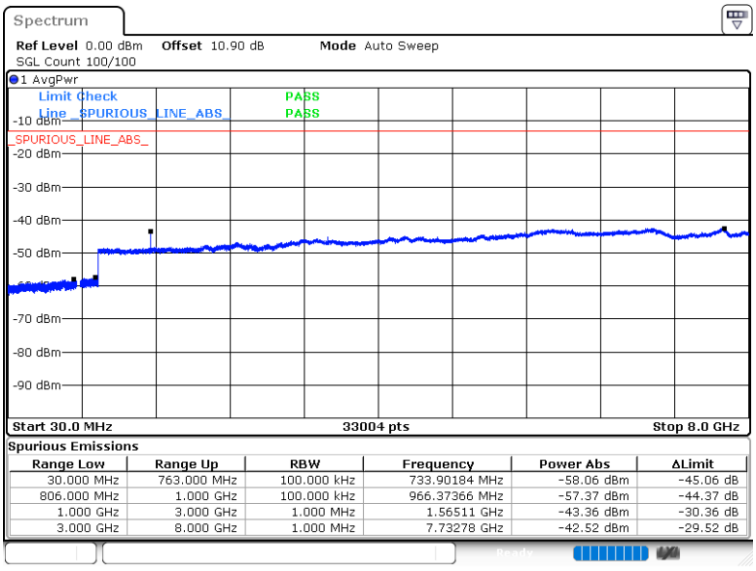


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	633.43867 MHz	-58.22 dBm	-45.22 dB
806.000 MHz	1.000 GHz	100.000 kHz	939.70532 MHz	-57.59 dBm	-44.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-43.78 dBm	-30.78 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.92486 GHz	-42.51 dBm	-29.51 dB

Date: 14.OCT.2022 03:22:15

Highest Channel / QPSK



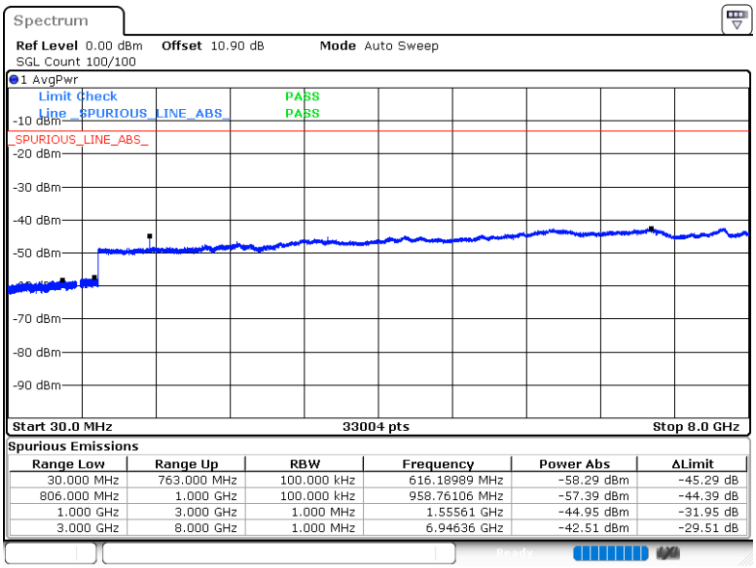
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	733.90184 MHz	-58.06 dBm	-45.06 dB
806.000 MHz	1.000 GHz	100.000 kHz	966.37366 MHz	-57.37 dBm	-44.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-43.36 dBm	-30.36 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.73278 GHz	-42.52 dBm	-29.52 dB

Date: 14.OCT.2022 03:28:46

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	616.18989 MHz	-58.29 dBm	-45.29 dB
806.000 MHz	1.000 GHz	100.000 kHz	958.76106 MHz	-57.39 dBm	-44.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-44.95 dBm	-31.95 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.94636 GHz	-42.51 dBm	-29.51 dB

Date: 14.OCT.2022 03:41:19

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	0.0033	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0152	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0121	
-20	Normal Voltage	0.0132	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0198	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

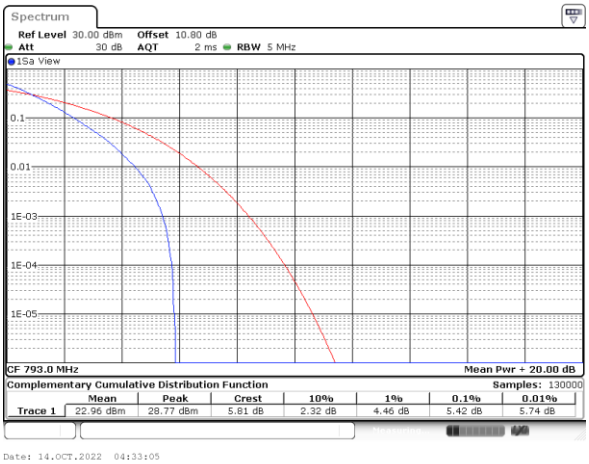
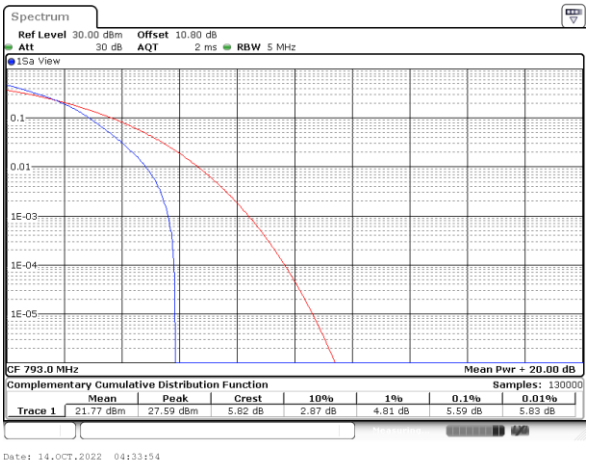
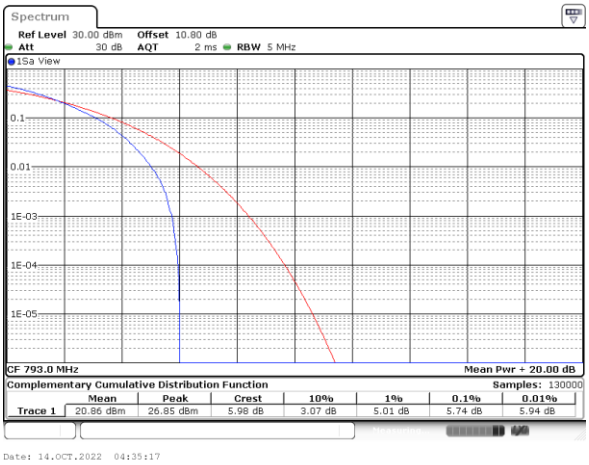
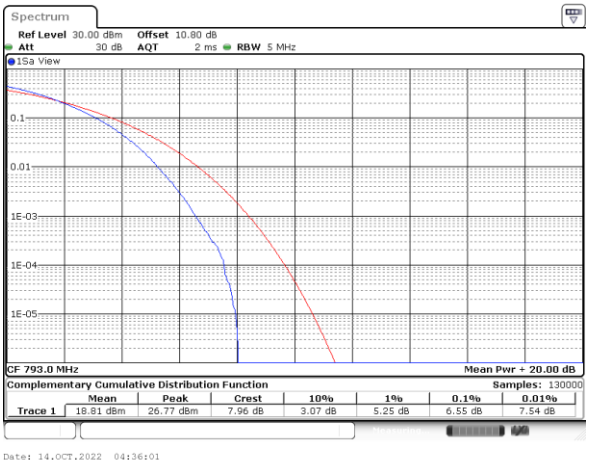
Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.60 V.；Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 14

Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.42	5.59	5.74	6.55	PASS
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.86	5.68	5.80	6.58	PASS

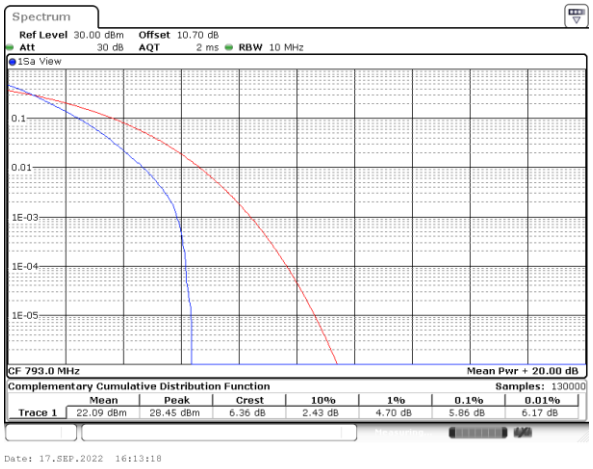
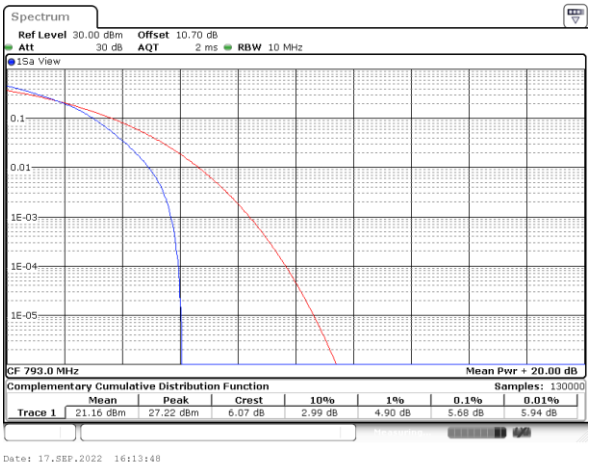
LTE Band 14 / 5MHz / QPSK	LTE Band 14 / 5MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 14 / 5MHz / 64QAM	LTE Band 14 / 5MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

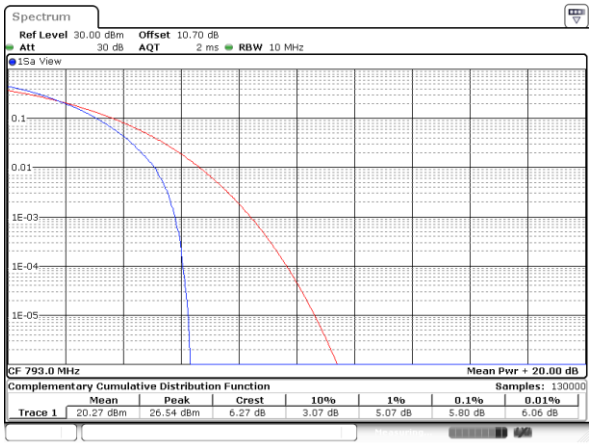
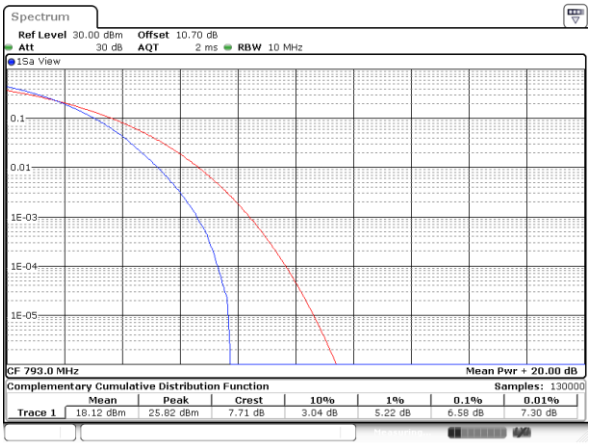
	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	22.96 dBm	28.77 dBm	5.81 dB	2.32 dB	4.46 dB	5.42 dB	5.74 dB

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.77 dBm	27.59 dBm	5.82 dB	2.87 dB	4.81 dB	5.59 dB	5.83 dB

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.86 dBm	26.85 dBm	5.98 dB	3.07 dB	5.01 dB	5.74 dB	5.94 dB

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	18.81 dBm	26.77 dBm	7.96 dB	3.07 dB	5.25 dB	6.55 dB	7.54 dB

LTE Band 14 / 10MHz / QPSK	LTE Band 14 / 10MHz / 16QAM
Middle Channel / Full RB	**Middle Channel / Full RB**
	

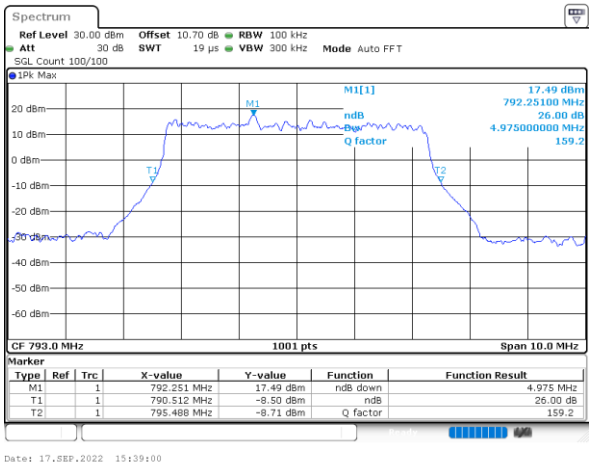
LTE Band 14 / 10MHz / 64QAM	LTE Band 14 / 10MHz / 256QAM
Middle Channel / Full RB	**Middle Channel / Full RB**
	

26dB Bandwidth

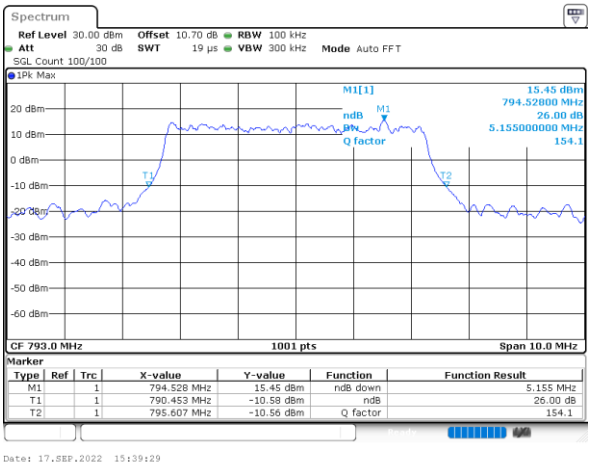
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.98	5.16	10.11	10.13	-	-	-	-
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.24	4.96	10.05	10.19	-	-	-	-

LTE Band 14

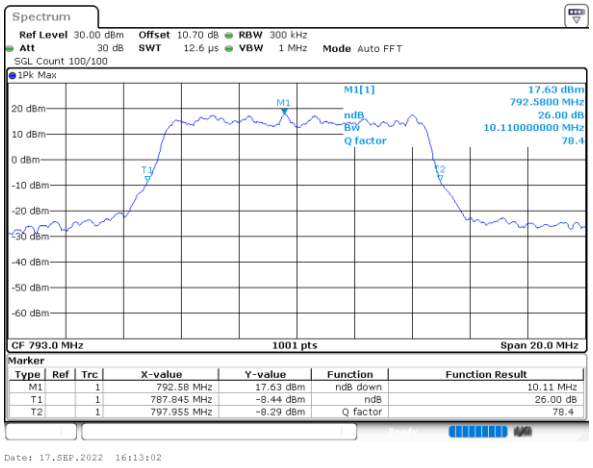
Middle Channel / 5MHz / QPSK



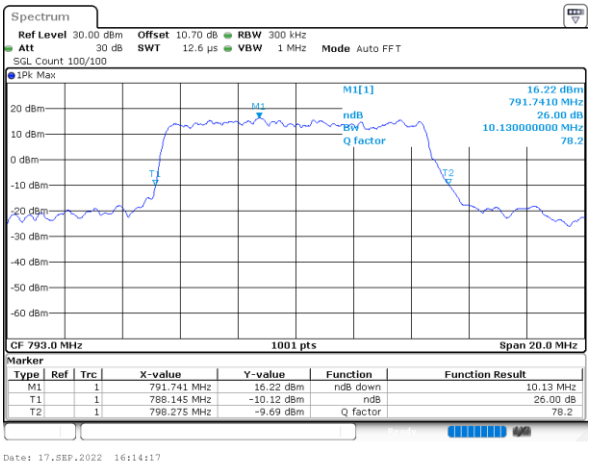
Middle Channel / 5MHz / 16QAM



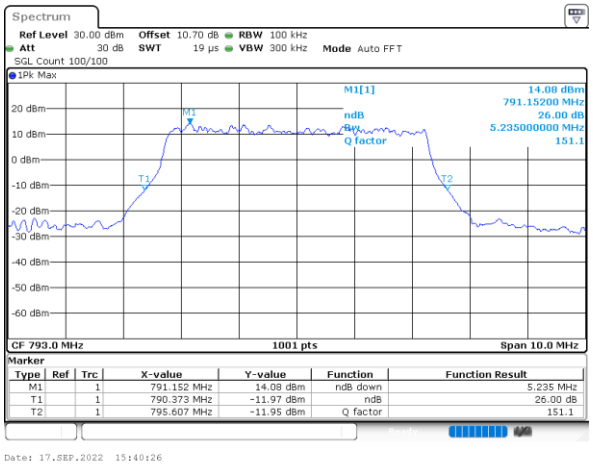
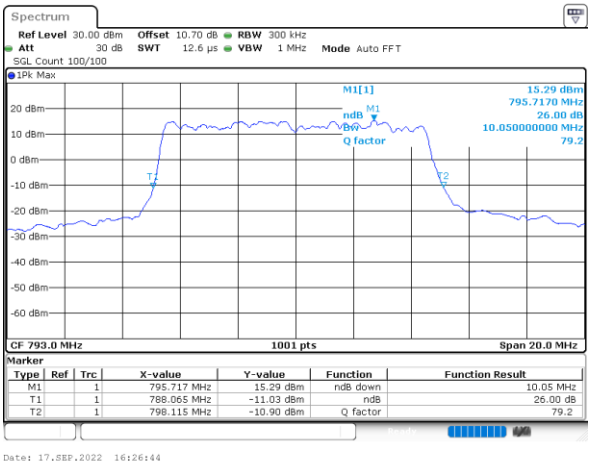
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM