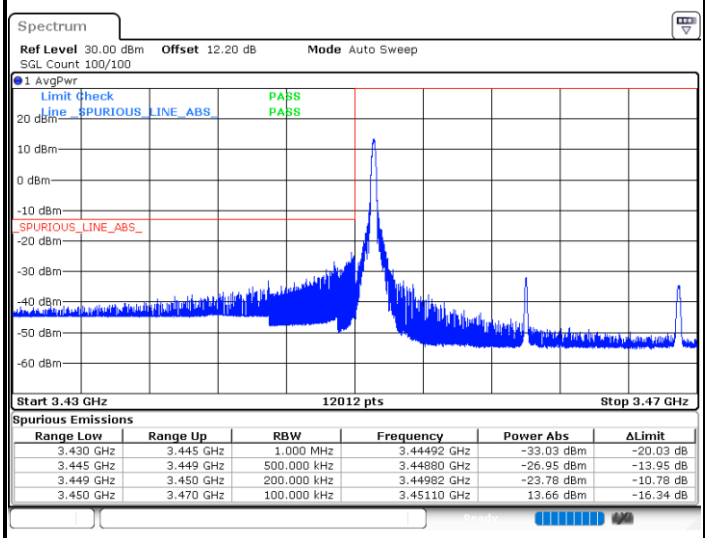
LTE Band 42 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

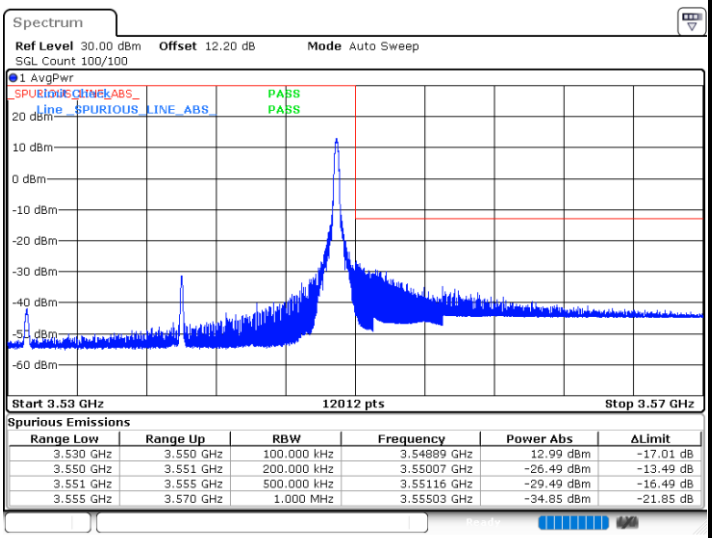


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.445 GHz	1.000 MHz	3.44492 GHz	-33.03 dBm	-20.03 dB
3.445 GHz	3.449 GHz	500.000 kHz	3.44880 GHz	-26.95 dBm	-13.95 dB
3.449 GHz	3.450 GHz	200.000 kHz	3.44982 GHz	-23.78 dBm	-10.78 dB
3.450 GHz	3.470 GHz	100.000 kHz	3.45110 GHz	13.66 dBm	-16.34 dB

Date: 11.JUN.2022 00:51:55

Highest Band Edge / 1 RB

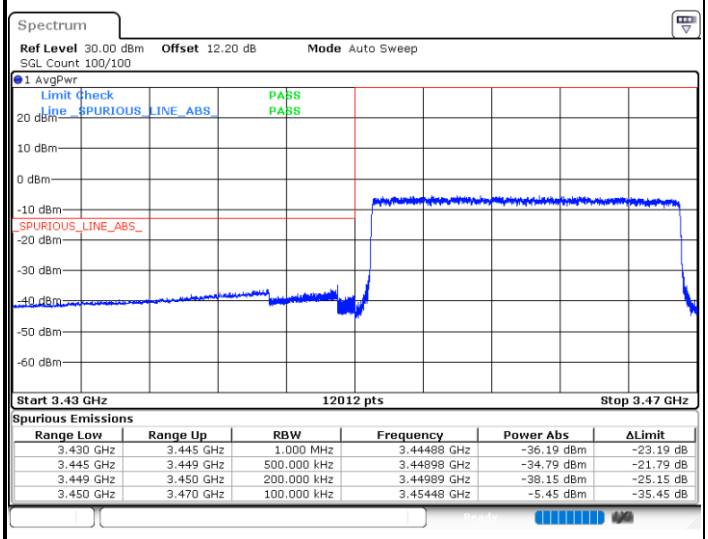


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.550 GHz	100.000 kHz	3.54889 GHz	12.99 dBm	-17.01 dB
3.550 GHz	3.551 GHz	200.000 kHz	3.55007 GHz	-26.49 dBm	-13.49 dB
3.551 GHz	3.555 GHz	500.000 kHz	3.55116 GHz	-29.49 dBm	-16.49 dB
3.555 GHz	3.570 GHz	1.000 MHz	3.55503 GHz	-34.85 dBm	-21.85 dB

Date: 11.JUN.2022 01:03:40

Lowest Band Edge / Full RB

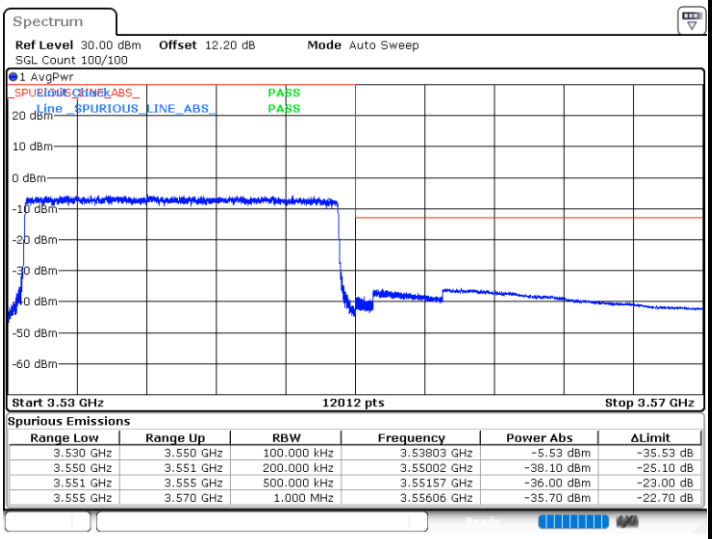


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.430 GHz	3.445 GHz	1.000 MHz	3.44488 GHz	-36.19 dBm	-23.19 dB
3.445 GHz	3.449 GHz	500.000 kHz	3.44898 GHz	-34.79 dBm	-21.79 dB
3.449 GHz	3.450 GHz	200.000 kHz	3.44989 GHz	-38.15 dBm	-25.15 dB
3.450 GHz	3.470 GHz	100.000 kHz	3.45448 GHz	-5.45 dBm	-35.45 dB

Date: 11.JUN.2022 00:55:50

Highest Band Edge / Full RB



Spurious Emissions

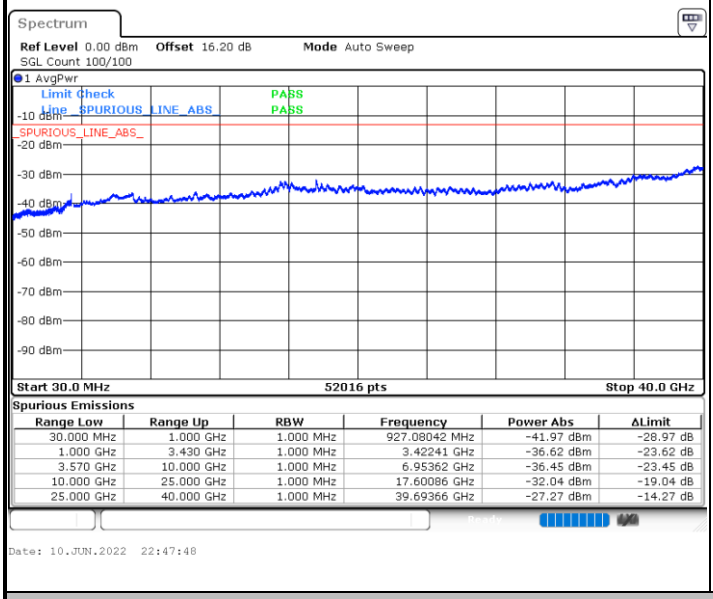
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.550 GHz	100.000 kHz	3.53803 GHz	-5.53 dBm	-35.53 dB
3.550 GHz	3.551 GHz	200.000 kHz	3.55002 GHz	-38.10 dBm	-25.10 dB
3.551 GHz	3.555 GHz	500.000 kHz	3.55157 GHz	-36.00 dBm	-23.00 dB
3.555 GHz	3.570 GHz	1.000 MHz	3.55606 GHz	-35.70 dBm	-22.70 dB

Date: 11.JUN.2022 00:59:45

Conducted Spurious Emission

LTE Band 42 / 5MHz

Lowest Channel / QPSK

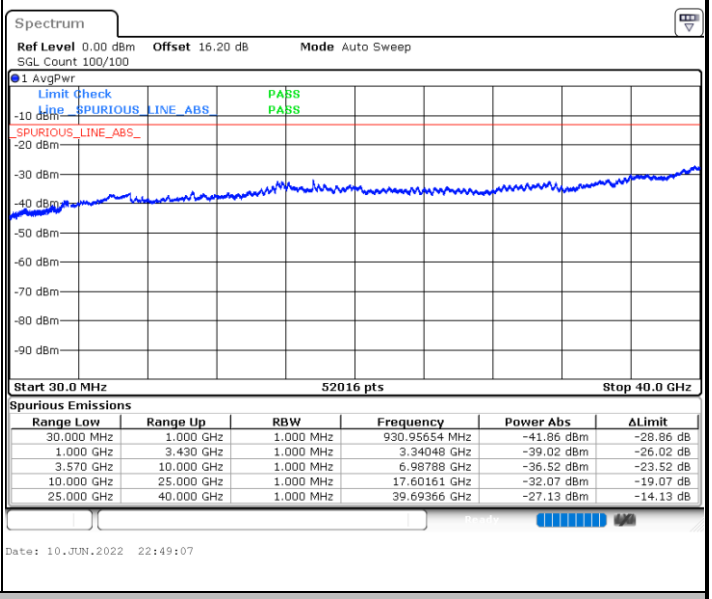


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.08042 MHz	-41.97 dBm	-28.97 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.42241 GHz	-36.62 dBm	-23.62 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.95362 GHz	-36.45 dBm	-23.45 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60086 GHz	-32.04 dBm	-19.04 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.69366 GHz	-27.27 dBm	-14.27 dB

Date: 10.JUN.2022 22:47:48

Middle Channel / QPSK

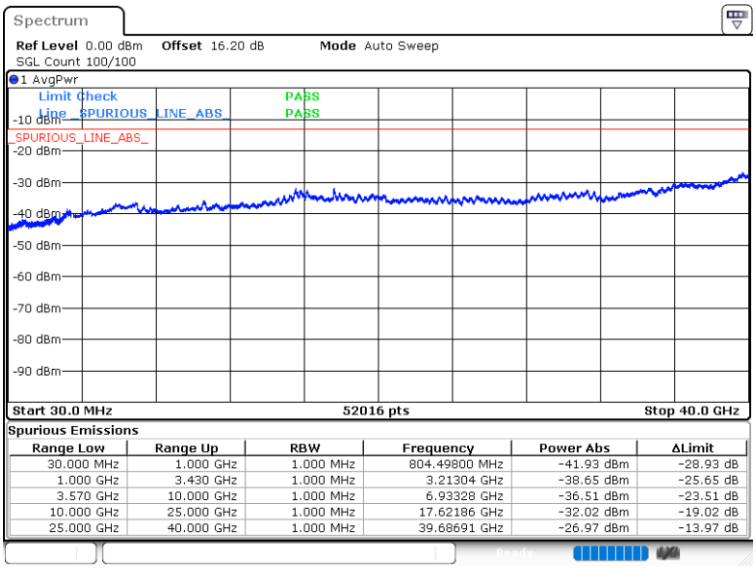


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.95654 MHz	-41.86 dBm	-28.86 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.34048 GHz	-39.02 dBm	-26.02 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.98788 GHz	-36.52 dBm	-23.52 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60161 GHz	-32.07 dBm	-19.07 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.69366 GHz	-27.13 dBm	-14.13 dB

Date: 10.JUN.2022 22:49:07

Highest Channel / QPSK



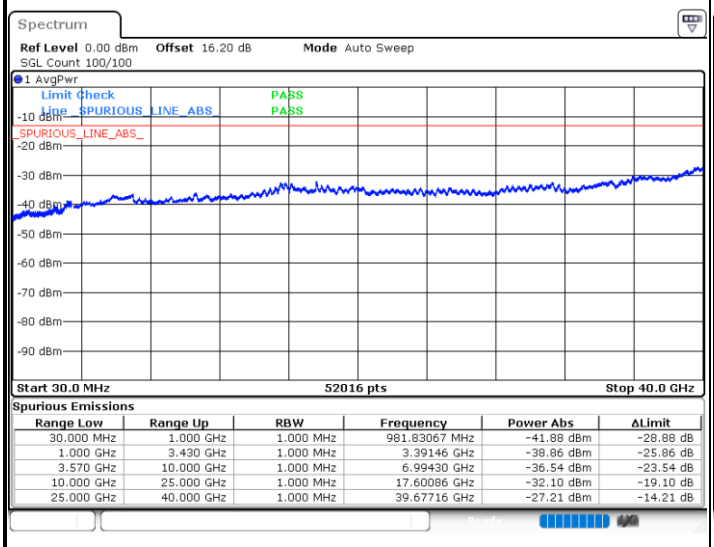
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	804.49800 MHz	-41.93 dBm	-28.93 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.21304 GHz	-38.65 dBm	-25.65 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.93328 GHz	-36.51 dBm	-23.51 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.62186 GHz	-32.02 dBm	-19.02 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.68691 GHz	-26.97 dBm	-13.97 dB

Date: 10.JUN.2022 22:50:26

LTE Band 42 / 10MHz

Lowest Channel / QPSK

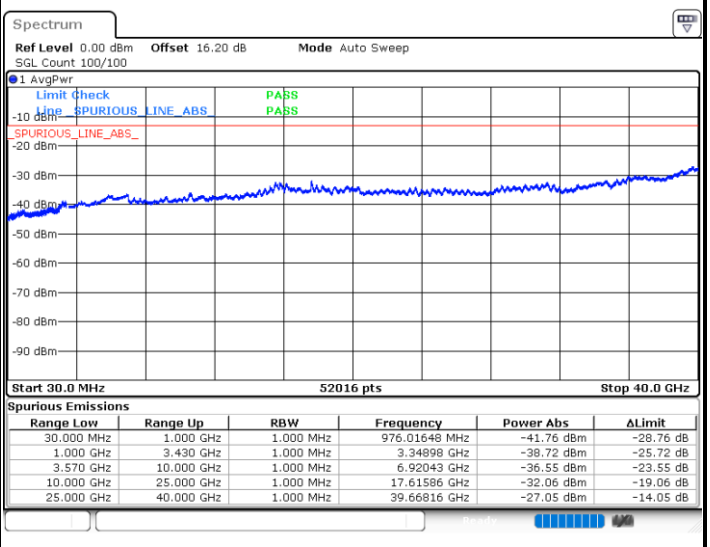


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.83067 MHz	-41.88 dBm	-28.88 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.39146 GHz	-38.86 dBm	-25.86 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.99430 GHz	-36.54 dBm	-23.54 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60086 GHz	-32.10 dBm	-19.10 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.67716 GHz	-27.21 dBm	-14.21 dB

Date: 10.JUN.2022 23:17:40

Middle Channel / QPSK

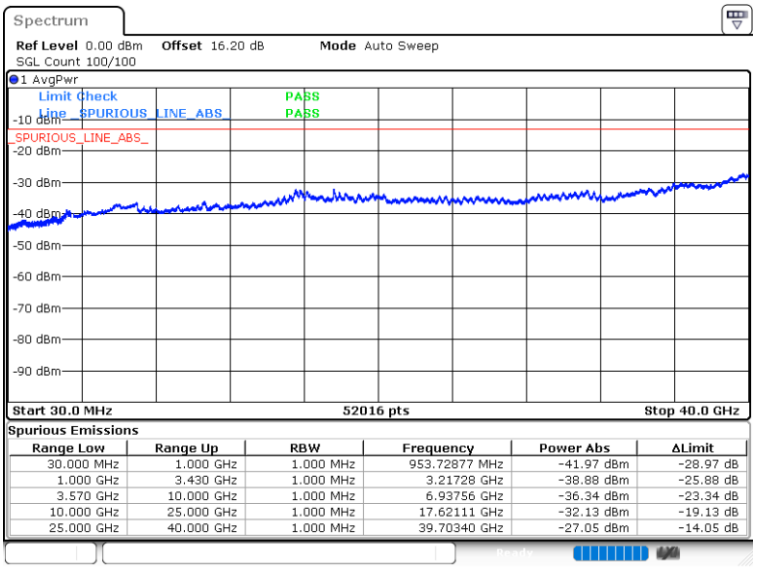


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.01648 MHz	-41.76 dBm	-28.76 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.34898 GHz	-38.72 dBm	-25.72 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.92043 GHz	-36.55 dBm	-23.55 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.61586 GHz	-32.06 dBm	-19.06 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.66816 GHz	-27.05 dBm	-14.05 dB

Date: 10.JUN.2022 23:19:00

Highest Channel / QPSK



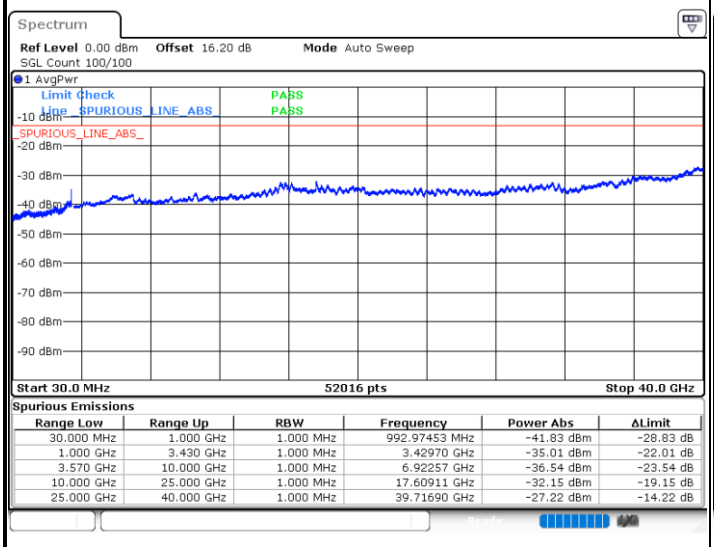
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.72877 MHz	-41.97 dBm	-28.97 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.21728 GHz	-38.88 dBm	-25.88 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.93756 GHz	-36.34 dBm	-23.34 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.62111 GHz	-32.13 dBm	-19.13 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.70340 GHz	-27.05 dBm	-14.05 dB

Date: 10.JUN.2022 23:20:18

LTE Band 42 / 15MHz

Lowest Channel / QPSK

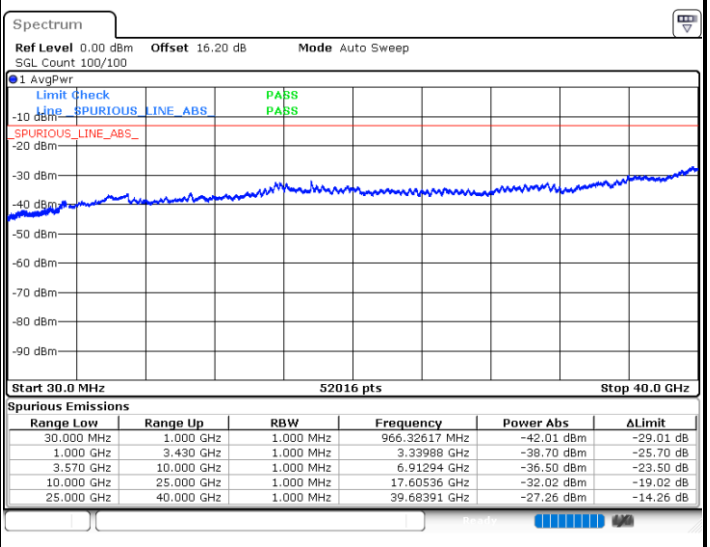


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97453 MHz	-41.83 dBm	-28.83 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.42970 GHz	-35.01 dBm	-22.01 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.92257 GHz	-36.54 dBm	-23.54 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60911 GHz	-32.15 dBm	-19.15 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.71690 GHz	-27.22 dBm	-14.22 dB

Date: 10.JUN.2022 23:38:31

Middle Channel / QPSK

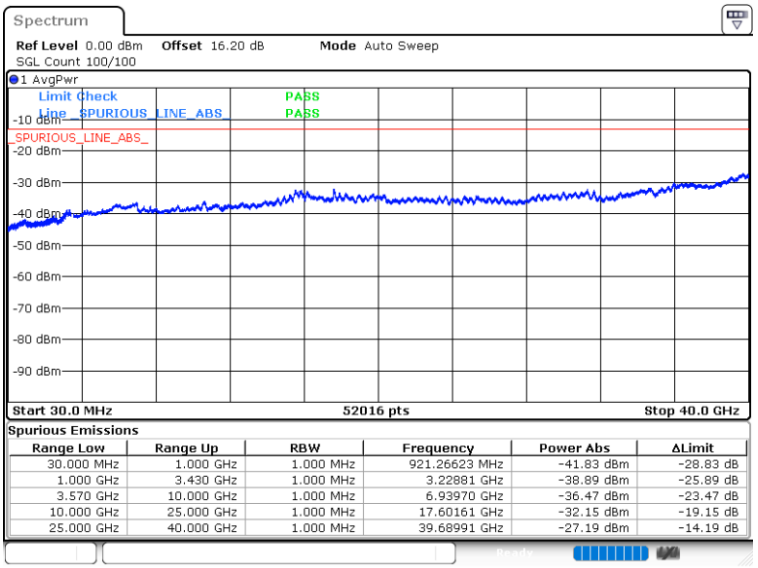


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.32617 MHz	-42.01 dBm	-29.01 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.33988 GHz	-38.70 dBm	-25.70 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.91294 GHz	-36.50 dBm	-23.50 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60536 GHz	-32.02 dBm	-19.02 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.68391 GHz	-27.26 dBm	-14.26 dB

Date: 10.JUN.2022 23:39:51

Highest Channel / QPSK



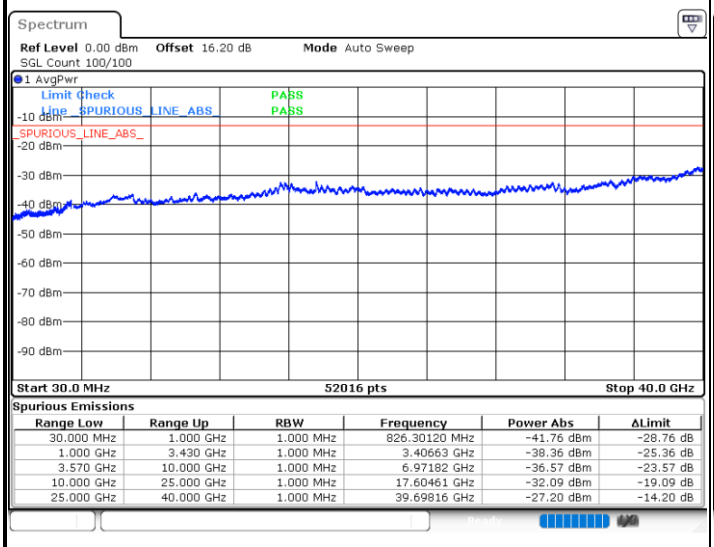
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.26623 MHz	-41.83 dBm	-28.83 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.22881 GHz	-38.89 dBm	-25.89 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.93970 GHz	-36.47 dBm	-23.47 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60161 GHz	-32.15 dBm	-19.15 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.68991 GHz	-27.19 dBm	-14.19 dB

Date: 10.JUN.2022 23:41:09

LTE Band 42 / 20MHz

Lowest Channel / QPSK

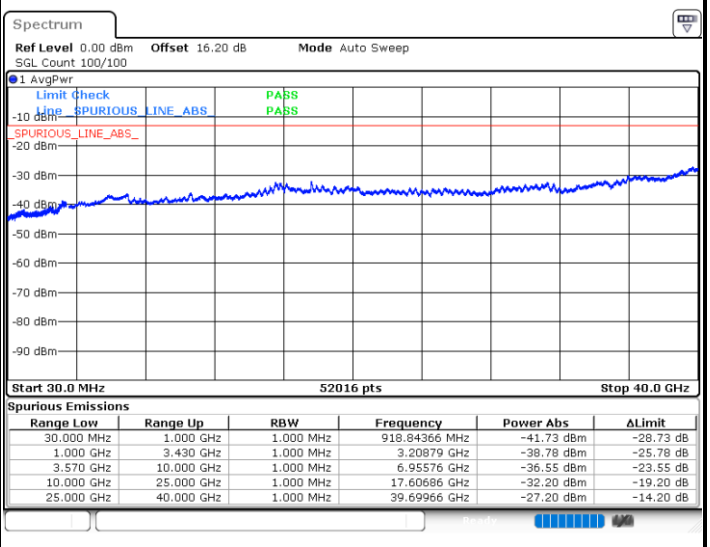


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	826.30120 MHz	-41.76 dBm	-28.76 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.40663 GHz	-38.36 dBm	-25.36 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.97182 GHz	-36.57 dBm	-23.57 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60461 GHz	-32.09 dBm	-19.09 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.69816 GHz	-27.20 dBm	-14.20 dB

Date: 10.JUN.2022 23:59:28

Middle Channel / QPSK

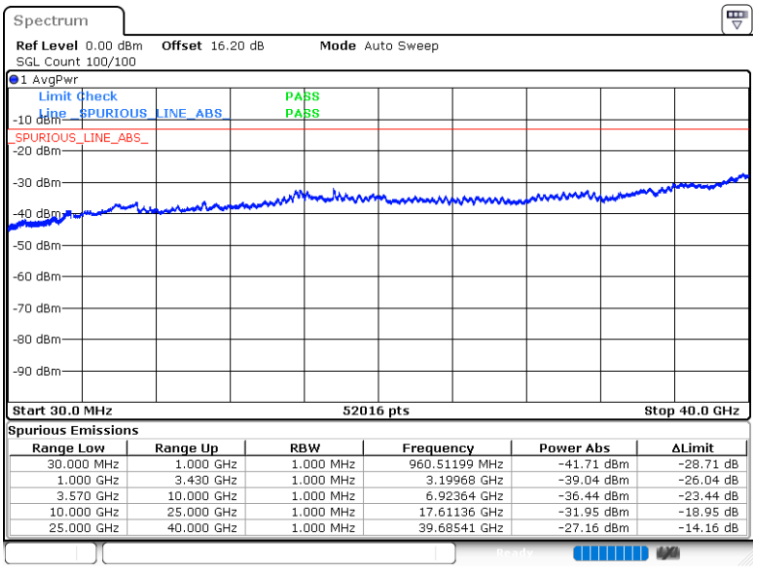


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.84366 MHz	-41.73 dBm	-28.73 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.20879 GHz	-38.78 dBm	-25.78 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.95576 GHz	-36.55 dBm	-23.55 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.60686 GHz	-32.20 dBm	-19.20 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.69966 GHz	-27.20 dBm	-14.20 dB

Date: 11.JUN.2022 00:00:47

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.51199 MHz	-41.71 dBm	-28.71 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.19968 GHz	-39.04 dBm	-26.04 dB
3.570 GHz	10.000 GHz	1.000 MHz	6.92364 GHz	-36.44 dBm	-23.44 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.61136 GHz	-31.95 dBm	-18.95 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.68541 GHz	-27.16 dBm	-14.16 dB

Date: 11.JUN.2022 00:02:06

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage = 4.05 V.；Battery End Point (BEP) = 3.85 V.；Maximum Voltage = 4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

LTE Band 42

LTE Band 42 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6901	-52.94	-13	-39.94	-50.7	-63.29	1.84	12.20	H
	10352	-30.02	-13	-17.02	-32.18	-38.65	2.26	10.89	H
	13804	-48.17	-13	-35.17	-57.59	-58.09	2.63	12.56	H
	20707	-59.87	-13	-46.87	-73.27	-74.56	3.22	17.92	H
	24158	-56.71	-13	-43.71	-74.37	-71.42	3.78	18.49	H
	27609	-55.37	-13	-42.37	-75.9	-70.97	3.95	19.54	H
	6901	-49.81	-13	-36.81	-48.07	-60.16	1.84	12.20	V
	10352	-38.35	-13	-25.35	-39.71	-46.98	2.26	10.89	V
	13804	-49.12	-13	-36.12	-57.5	-59.04	2.63	12.56	V
	20707	-63.01	-13	-50.01	-76.17	-77.70	3.22	17.92	V
	24158	-59.52	-13	-46.52	-76.82	-74.23	3.78	18.49	V
	27609	-56.93	-13	-43.93	-77.14	-72.53	3.95	19.54	V
Middle	7030	-52.73	-13	-39.73	-50.66	-62.61	1.84	11.73	H
	10550	-29.01	-13	-16.01	-31.41	-37.53	2.25	10.77	H
	14065	-49.18	-13	-36.18	-57.78	-58.88	2.66	12.36	H
	21096	-60.08	-13	-47.08	-73.79	-74.73	3.26	17.92	H
	24615	-51.27	-13	-38.27	-69.54	-66.16	3.74	18.63	H
	28128	-56.19	-13	-43.19	-76.66	-71.84	3.98	19.62	H
	7030	-52.93	-13	-39.93	-50.98	-62.81	1.84	11.73	V
	10550	-37.70	-13	-24.70	-39.59	-46.22	2.25	10.77	V
	14065	-49.32	-13	-36.32	-57.49	-59.02	2.66	12.36	V
	21096	-61.38	-13	-48.38	-74.79	-76.03	3.26	17.92	V
	24615	-58.11	-13	-45.11	-76.07	-73.00	3.74	18.63	V
	28128	-56.15	-13	-43.15	-76.21	-71.80	3.98	19.62	V

Highest	7160	-54.31	-13	-41.31	-52.59	-63.87	1.84	11.40	H
	10745	-30.26	-13	-17.26	-33.05	-38.69	2.23	10.65	H
	14321	-49.62	-13	-36.62	-58.46	-59.19	2.64	12.21	H
	21485	-59.74	-13	-46.74	-74.66	-74.76	3.37	18.38	H
	25070	-48.91	-13	-35.91	-67.2	-63.68	3.72	18.48	H
	28648	-55.44	-13	-42.44	-76.2	-70.82	3.99	19.37	H
	7160	-52.70	-13	-39.70	-51.32	-62.26	1.84	11.40	V
	10745	-36.90	-13	-23.90	-39.36	-45.33	2.23	10.65	V
	14321	-49.37	-13	-36.37	-58.34	-58.94	2.64	12.21	V
	21485	-60.72	-13	-47.72	-75.33	-75.74	3.37	18.38	V
	25070	-54.80	-13	-41.80	-72.78	-69.57	3.72	18.48	V
	28648	-55.64	-13	-42.64	-75.99	-71.02	3.99	19.37	V

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