



LTE Band 41C / 15MHz+10MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 54008 pts Stop 27.0 GHz

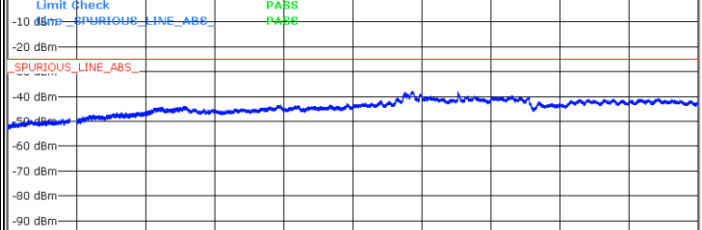
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-49.55 dBm	-24.55 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.43282 GHz	-49.10 dBm	-24.10 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.96312 GHz	-48.19 dBm	-23.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93226 GHz	-43.93 dBm	-18.93 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00025 GHz	-43.88 dBm	-18.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98975 GHz	-42.70 dBm	-17.70 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.82202 GHz	-38.01 dBm	-13.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.24924 GHz	-39.72 dBm	-14.72 dB

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 54008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-49.66 dBm	-24.66 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.17396 GHz	-49.04 dBm	-24.04 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.97490 GHz	-48.34 dBm	-23.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93276 GHz	-43.92 dBm	-18.92 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.01925 GHz	-44.39 dBm	-19.39 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99575 GHz	-42.85 dBm	-17.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.86202 GHz	-37.98 dBm	-12.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73315 GHz	-39.65 dBm	-14.65 dB

Date: 4.JUL.2024 11:29:15

Date: 4.JUL.2024 11:27:39

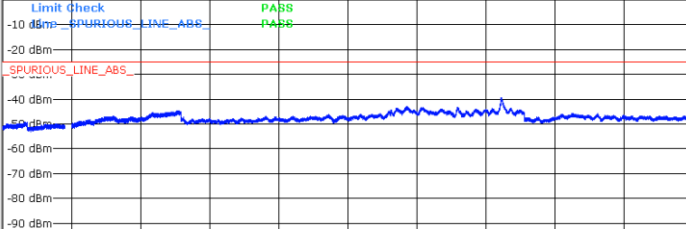
Highest Channel / 1RB74 and 1RB0

NA

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 54008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.32734 MHz	-49.30 dBm	-24.30 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.11652 GHz	-49.92 dBm	-24.92 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99596 GHz	-49.12 dBm	-24.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96527 GHz	-44.70 dBm	-19.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.08024 GHz	-47.31 dBm	-22.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99825 GHz	-46.02 dBm	-21.02 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.82602 GHz	-43.06 dBm	-18.06 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.50717 GHz	-39.47 dBm	-14.47 dB

Date: 4 JUL 2024 11:54:00

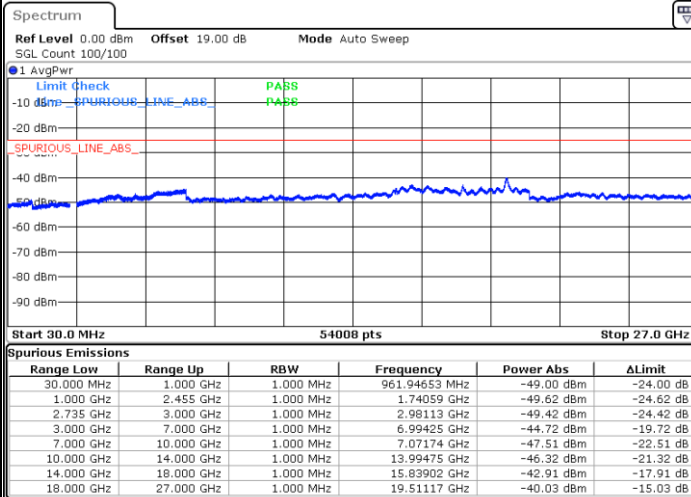


LTE Band 41C / 15MHz+15MHz

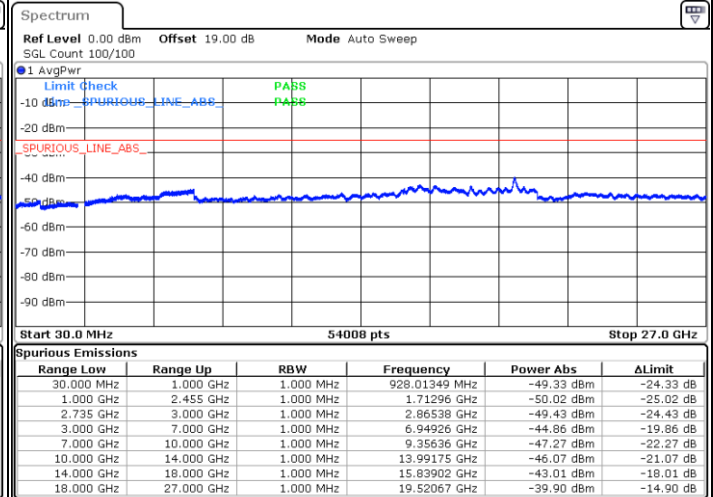
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



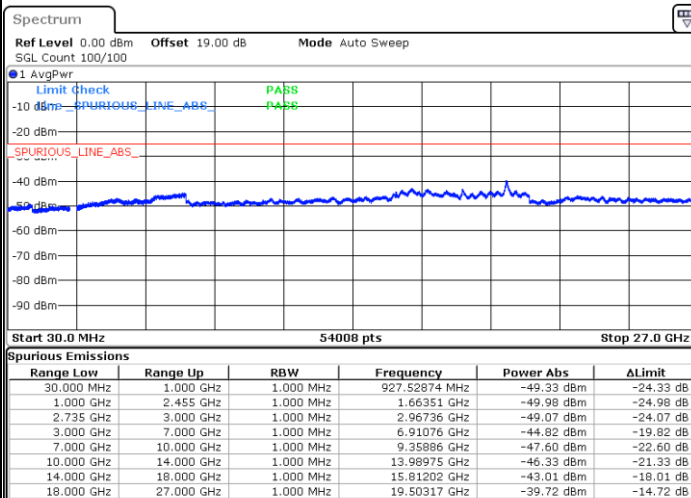
Date: 4 JUL 2024 12:49:56



Date: 4 JUL 2024 12:48:30

Highest Channel / 1RB74 and 1RB0

NA



Date: 4 JUL 2024 13:08:19

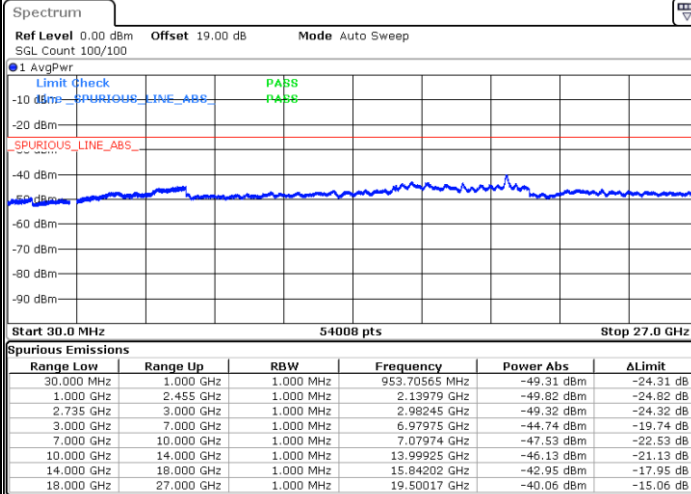


LTE Band 41C / 15MHz+20MHz

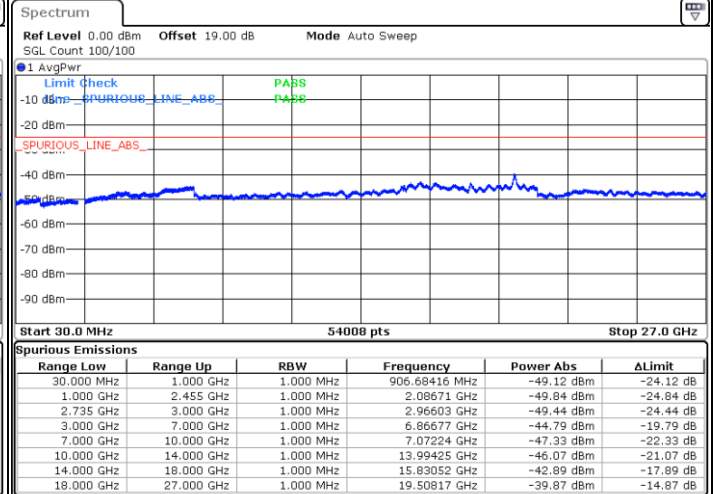
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



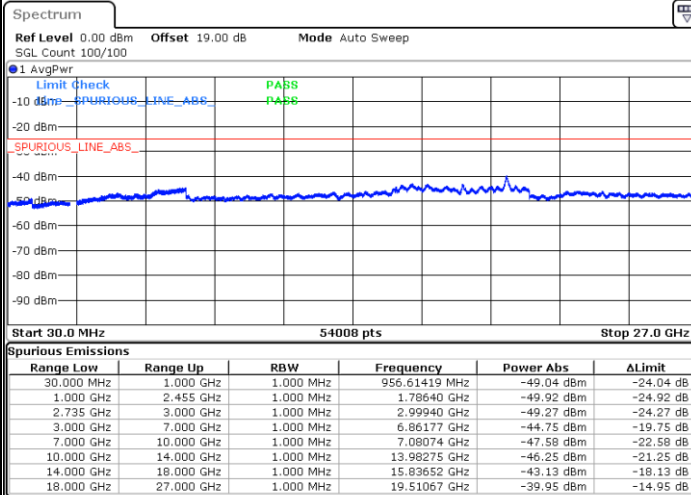
Date: 4 JUL 2024 13:13:48



Date: 4 JUL 2024 13:12:16

Highest Channel / 1RB74 and 1RB0

NA



Date: 4 JUL 2024 13:33:57

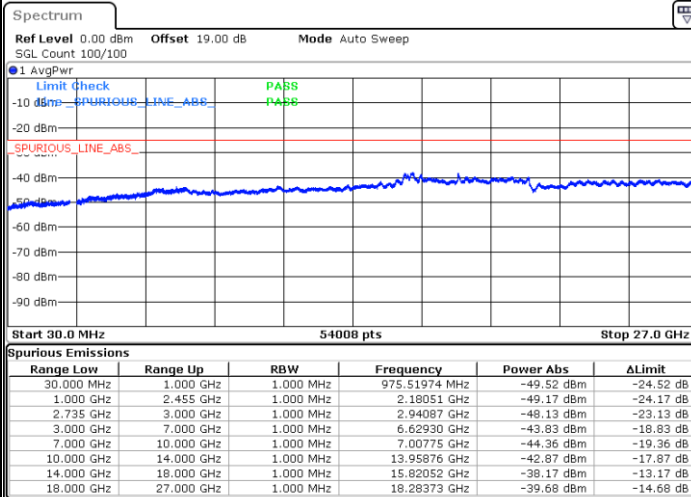


LTE Band 41C / 20MHz+5MHz

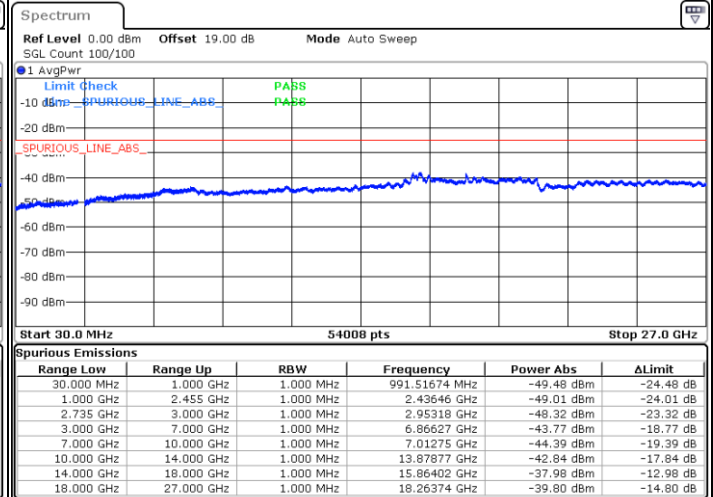
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



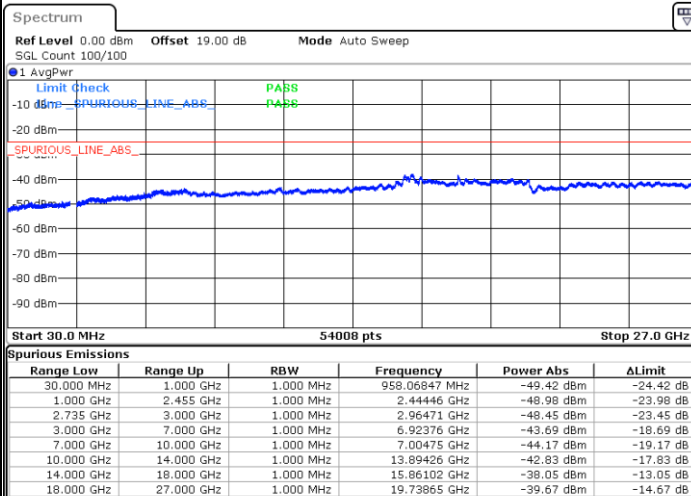
Date: 4.JUL.2024 10:35:28



Date: 4.JUL.2024 10:33:53

Highest Channel / 1RB99 and 1RB0

NA



Date: 4.JUL.2024 10:56:49



LTE Band 41C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 54008 pts Stop 27.0 GHz

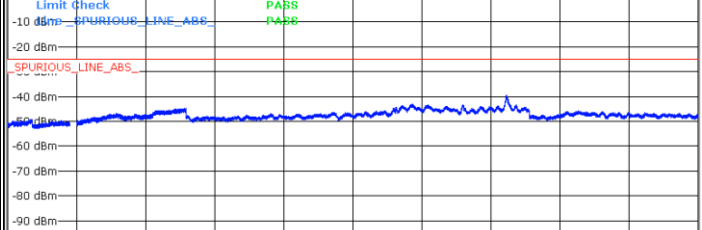
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-49.12 dBm	-24.12 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.11579 GHz	-49.92 dBm	-24.92 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.97941 GHz	-49.32 dBm	-24.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95176 GHz	-44.85 dBm	-19.85 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.07524 GHz	-47.63 dBm	-22.63 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99675 GHz	-46.06 dBm	-21.06 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.82102 GHz	-42.98 dBm	-17.98 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.50417 GHz	-39.63 dBm	-14.63 dB

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 54008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-49.19 dBm	-24.19 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.09834 GHz	-49.78 dBm	-24.78 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.93160 GHz	-49.23 dBm	-24.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91626 GHz	-44.77 dBm	-19.77 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.06624 GHz	-47.38 dBm	-22.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99975 GHz	-46.03 dBm	-21.03 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.83102 GHz	-43.06 dBm	-18.06 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.51717 GHz	-39.60 dBm	-14.60 dB

Date: 4 JUL 2024 12:24:57

Date: 4 JUL 2024 12:23:26

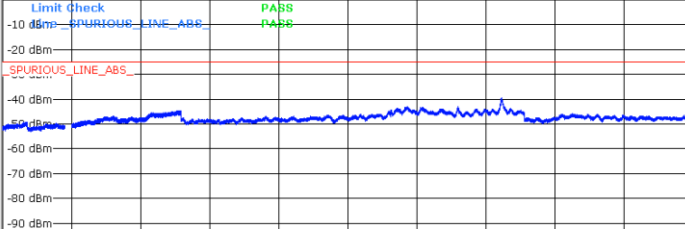
Highest Channel / 1RB99 and 1RB0

NA

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

1 AvgPwr



Start 30.0 MHz 54008 pts Stop 27.0 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.00450 MHz	-49.19 dBm	-24.19 dB
1.000 GHz	2.455 GHz	1.000 MHz	2.11870 GHz	-49.77 dBm	-24.77 dB
2.735 GHz	3.000 GHz	1.000 MHz	2.99729 GHz	-49.26 dBm	-24.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92776 GHz	-44.59 dBm	-19.59 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.08374 GHz	-47.51 dBm	-22.51 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99825 GHz	-46.19 dBm	-21.19 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.81377 GHz	-43.04 dBm	-18.04 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.51567 GHz	-39.53 dBm	-14.53 dB

Date: 4 JUL 2024 12:45:00

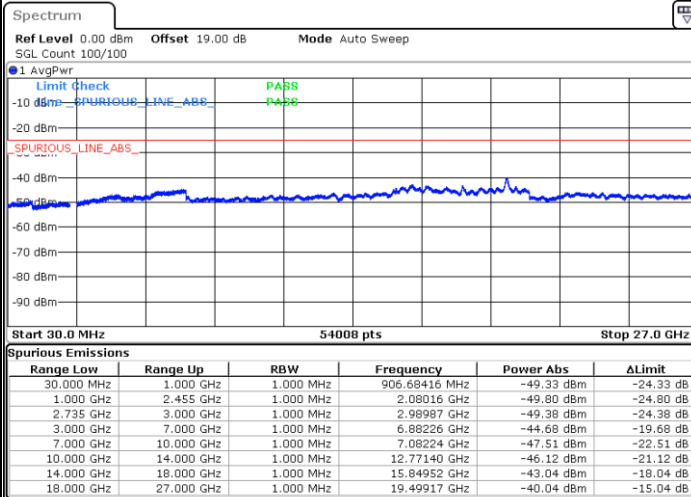


LTE Band 41C / 20MHz+15MHz

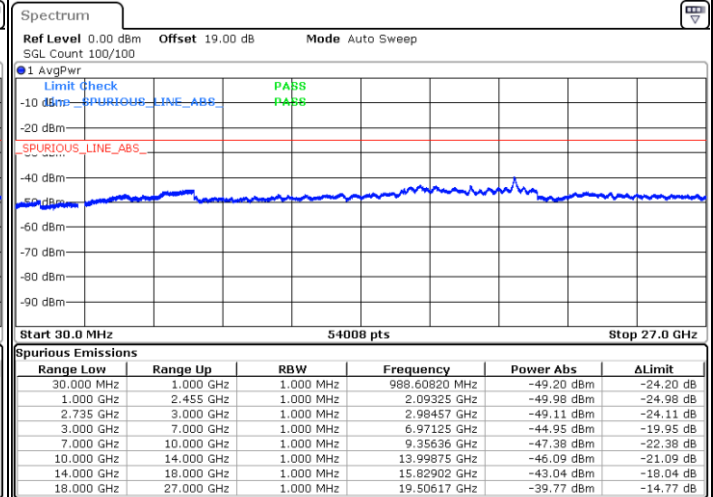
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



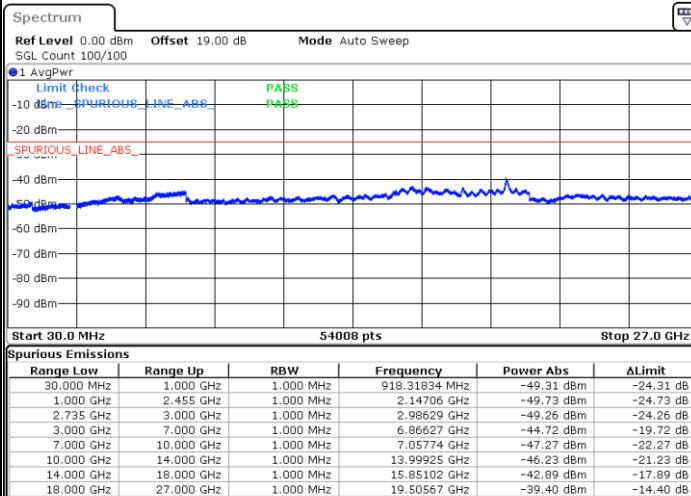
Date: 4 JUL 2024 13:39:24



Date: 4 JUL 2024 13:37:52

Highest Channel / 1RB99 and 1RB0

NA



Date: 4 JUL 2024 13:59:30

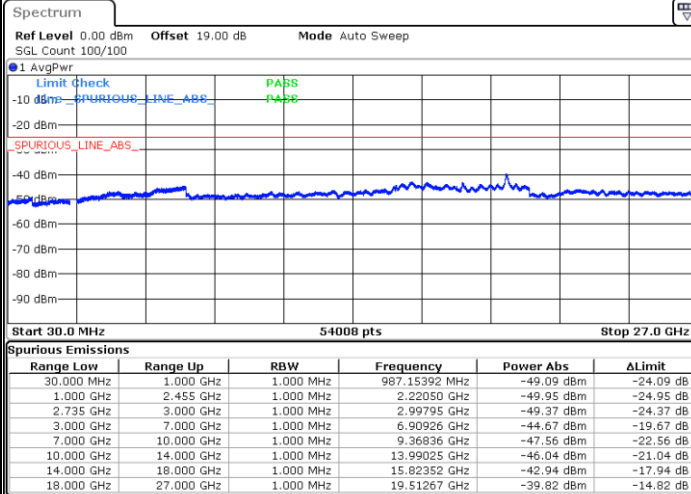


LTE Band 41C / 20MHz+20MHz

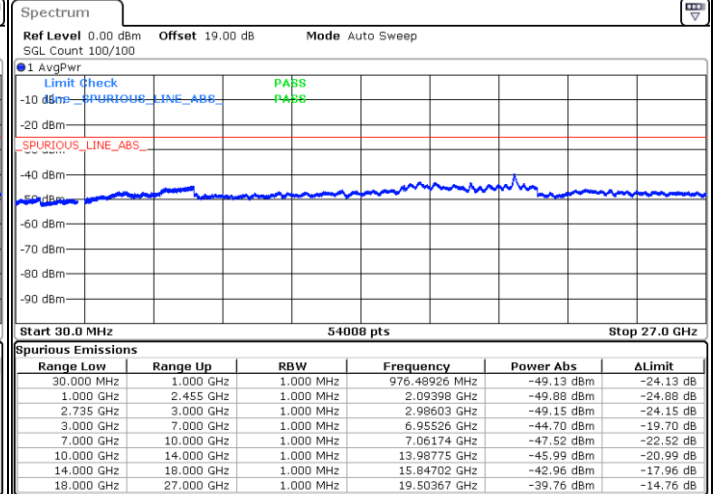
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



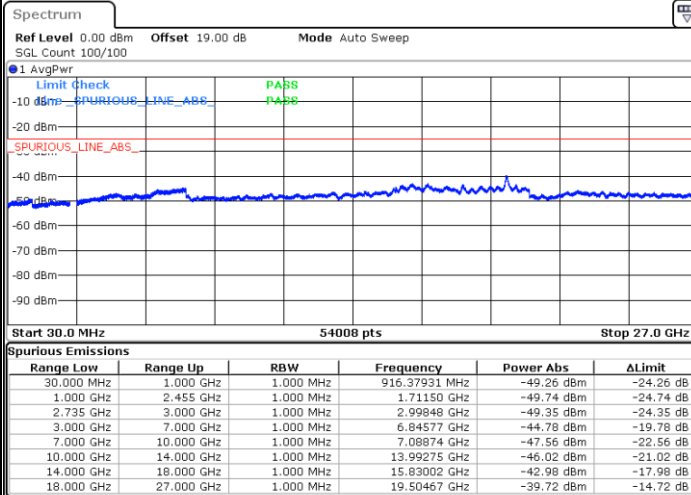
Date: 4 JUL 2024 14:04:26



Date: 4 JUL 2024 14:03:00

Highest Channel / 1RB99 and 1RB0

NA



Date: 4 JUL 2024 14:22:50



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

RSE pretest with PIFA Antenna & Monopole Antenna, only the worst results are shown in the report.

LTE Band 7 / 20MHz / QPSK / Monopole Antenna									
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)
Lowest	5002.18	-59.46	-25	-34.46	-81.55	-65.02	7.12	12.68	H
	7503.27	-54.48	-25	-29.48	-81.34	-57.81	8.26	11.59	H
	10004.36	-50.41	-25	-25.41	-81.93	-51.94	10.45	11.98	H
	5002.18	-59.10	-25	-34.10	-81.24	-64.66	7.12	12.68	V
	7503.27	-54.18	-25	-29.18	-81.03	-57.51	8.26	11.59	V
	10004.36	-52.19	-25	-27.19	-82.08	-53.72	10.45	11.98	V
Middle	5052.00	-59.75	-25	-34.75	-81.76	-65.31	7.14	12.70	H
	7578.00	-54.40	-25	-29.40	-81.05	-57.70	8.30	11.60	H
	10104.00	-50.42	-25	-25.42	-81.83	-51.94	10.48	12.00	H
	5052.00	-59.22	-25	-34.22	-81.35	-64.78	7.14	12.70	V
	7578.00	-54.44	-25	-29.44	-81.05	-57.74	8.30	11.60	V
	10104.00	-51.92	-25	-26.92	-81.93	-53.44	10.48	12.00	V
Highest	5102.18	-59.15	-25	-34.15	-81.08	-64.71	7.16	12.72	H
	7653.27	-54.10	-25	-29.10	-80.76	-57.40	8.33	11.63	H
	10204.36	-50.10	-25	-25.10	-81.38	-51.70	10.50	12.10	H
	5102.18	-58.65	-25	-33.65	-80.76	-64.21	7.16	12.72	V
	7653.27	-54.34	-25	-29.34	-80.92	-57.64	8.33	11.63	V
	10204.36	-51.38	-25	-26.38	-81.45	-52.98	10.50	12.10	V

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



LTE Band 41 / 20MHz / QPSK / Monopole Antenna									
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)
Lowest	4994.18	-59.43	-25	-34.43	-81.52	-64.99	7.12	12.68	H
	7491.27	-54.40	-25	-29.40	-81.30	-57.73	8.26	11.59	H
	9988.36	-50.31	-25	-25.31	-81.84	-51.84	10.45	11.98	H
	4994.18	-59.28	-25	-34.28	-81.42	-64.84	7.12	12.68	V
	7491.27	-54.21	-25	-29.21	-81.1	-57.54	8.26	11.59	V
	9988.36	-52.12	-25	-27.12	-81.98	-53.65	10.45	11.98	V
Middle	5168.00	-59.74	-25	-34.74	-81.56	-65.30	7.14	12.70	H
	7752.00	-54.01	-25	-29.01	-80.80	-57.31	8.30	11.60	H
	10336.00	-50.55	-25	-25.55	-81.68	-52.07	10.48	12.00	H
	5168.00	-59.45	-25	-34.45	-81.54	-65.01	7.14	12.70	V
	7752.00	-53.97	-25	-28.97	-80.61	-57.27	8.30	11.60	V
	10336.00	-51.31	-25	-26.31	-81.53	-52.83	10.48	12.00	V
Highest	5342.18	-60.45	-25	-35.45	-82.17	-66.01	7.16	12.72	H
	8013.27	-53.02	-25	-28.02	-81.33	-56.32	8.33	11.63	H
	10684.36	-50.78	-25	-25.78	-82.08	-52.38	10.50	12.10	H
	5342.18	-60.26	-25	-35.26	-82.13	-65.82	7.16	12.72	V
	8013.27	-52.77	-25	-27.77	-80.8	-56.07	8.33	11.63	V
	10684.36	-51.16	-25	-26.16	-82.01	-52.76	10.50	12.10	V

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

LTE CA_7C / 20MHz+20MHz / QPSK / Monopole Antenna									
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)
Lowest	5039.80	-60.41	-25	-35.41	-82.41	-65.97	7.12	12.68	H
	7559.70	-54.79	-25	-29.79	-81.49	-58.12	8.26	11.59	H
	10079.60	-50.44	-25	-25.44	-81.87	-51.97	10.45	11.98	H
	5039.80	-60.23	-25	-35.23	-82.35	-65.79	7.12	12.68	V
	7559.70	-55.19	-25	-30.19	-81.86	-58.52	8.26	11.59	V
	10079.60	-51.74	-25	-26.74	-81.69	-53.27	10.45	11.98	V
Middle	5070.00	-60.45	-25	-35.45	-82.44	-66.01	7.14	12.70	H
	7605.00	-54.81	-25	-29.81	-81.45	-58.11	8.30	11.60	H
	10140.00	-50.32	-25	-25.32	-81.68	-51.84	10.48	12.00	H
	5070.00	-60.48	-25	-35.48	-82.61	-66.04	7.14	12.70	V
	7605.00	-54.90	-25	-29.90	-81.48	-58.20	8.30	11.60	V
	10140.00	-51.61	-25	-26.61	-81.64	-53.13	10.48	12.00	V
Highest	5100.20	-61.01	-25	-36.01	-82.94	-66.57	7.16	12.72	H
	7650.30	-55.03	-25	-30.03	-81.69	-58.33	8.33	11.63	H
	10200.30	-50.75	-25	-25.75	-82.04	-52.35	10.50	12.10	H
	5100.20	-60.92	-25	-35.92	-83.03	-66.48	7.16	12.72	V
	7650.30	-54.98	-25	-29.98	-81.56	-58.28	8.33	11.63	V
	10200.30	-51.67	-25	-26.67	-81.75	-53.27	10.50	12.10	V

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



LTE CA_41C / 20MHz+20MHz / QPSK / Monopole Antenna									
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)
Lowest	5031.80	-59.79	-25	-34.79	-81.83	-65.35	7.12	12.68	H
	7547.70	-55.26	-25	-30.26	-82.01	-58.59	8.26	11.59	H
	10063.60	-50.45	-25	-25.45	-81.90	-51.98	10.45	11.98	H
	5031.80	-59.63	-25	-34.63	-81.76	-65.19	7.12	12.68	V
	7547.70	-55.17	-25	-30.17	-81.89	-58.50	8.26	11.59	V
	10063.60	-51.61	-25	-26.61	-81.54	-53.14	10.45	11.98	V
Middle	5186.00	-60.88	-25	-35.88	-82.68	-66.44	7.14	12.70	H
	7779.00	-54.85	-25	-29.85	-81.68	-58.15	8.30	11.60	H
	10372.00	-51.08	-25	-26.08	-82.16	-52.60	10.48	12.00	H
	5186.00	-60.35	-25	-35.35	-82.44	-65.91	7.14	12.70	V
	7779.00	-55.03	-25	-30.03	-81.69	-58.33	8.30	11.60	V
	10372.00	-52.18	-25	-27.18	-82.43	-53.70	10.48	12.00	V
Highest	5340.20	-60.96	-25	-35.96	-82.68	-66.52	7.16	12.72	H
	8010.30	-53.08	-25	-28.08	-81.45	-56.38	8.33	11.63	H
	10680.40	-50.56	-25	-25.56	-81.82	-52.16	10.50	12.10	H
	5340.20	-60.59	-25	-35.59	-82.46	-66.15	7.16	12.72	V
	8010.30	-53.67	-25	-28.67	-81.78	-56.97	8.33	11.63	V
	10680.40	-51.03	-25	-26.03	-81.84	-52.63	10.50	12.10	V

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