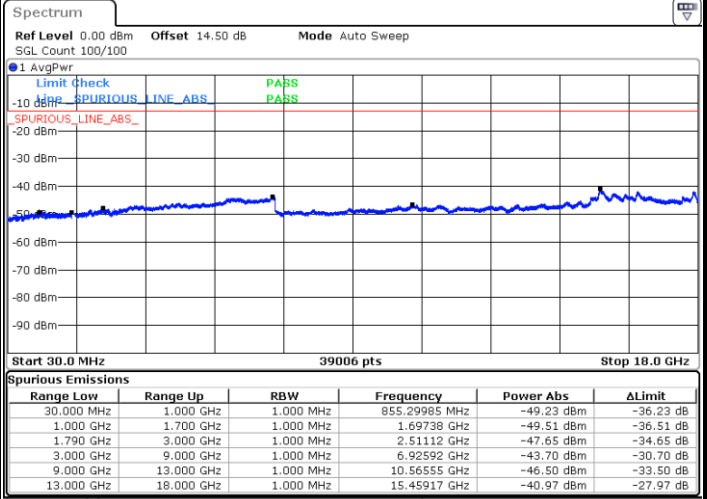
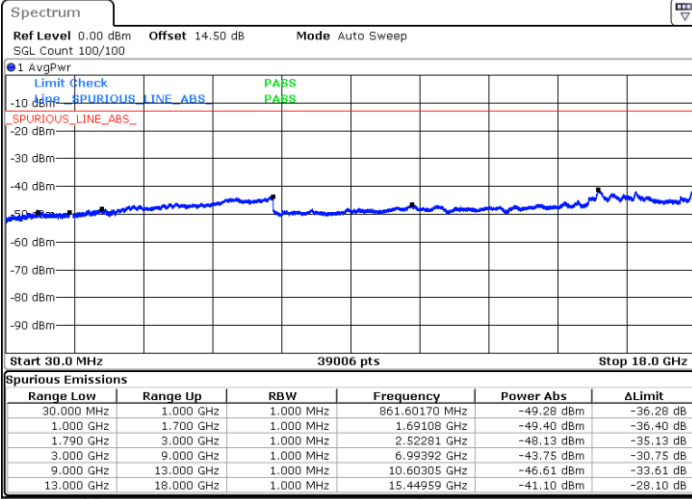




LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

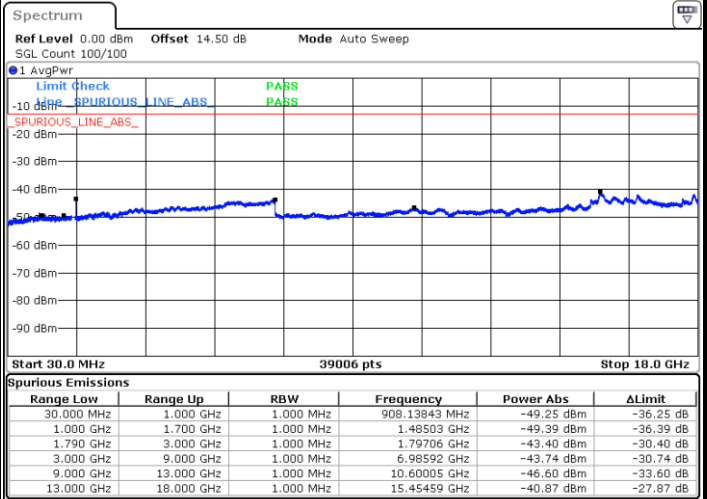
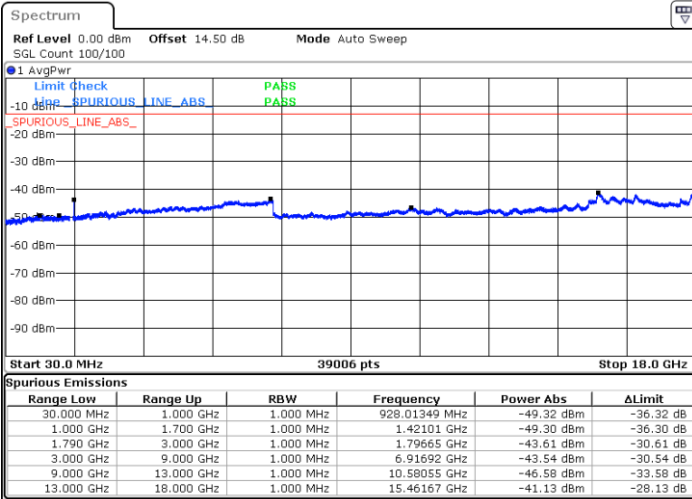


Date: 15.JUL.2022 21:11:52

Date: 15.JUL.2022 21:12:49

Highest Channel / QPSK

Highest Channel / 16QAM



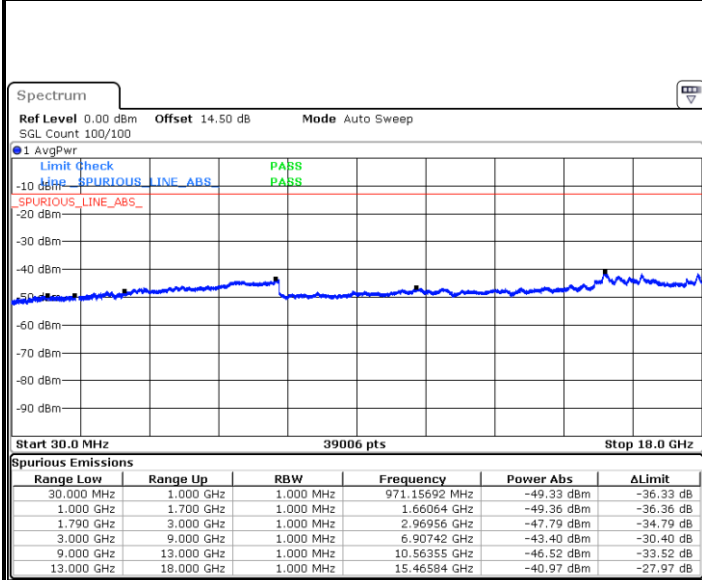
Date: 15.JUL.2022 21:34:35

Date: 15.JUL.2022 21:35:32



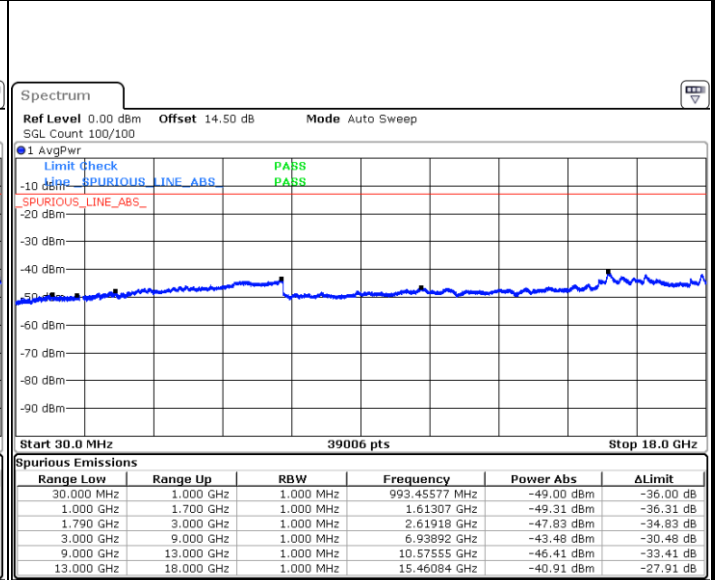
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



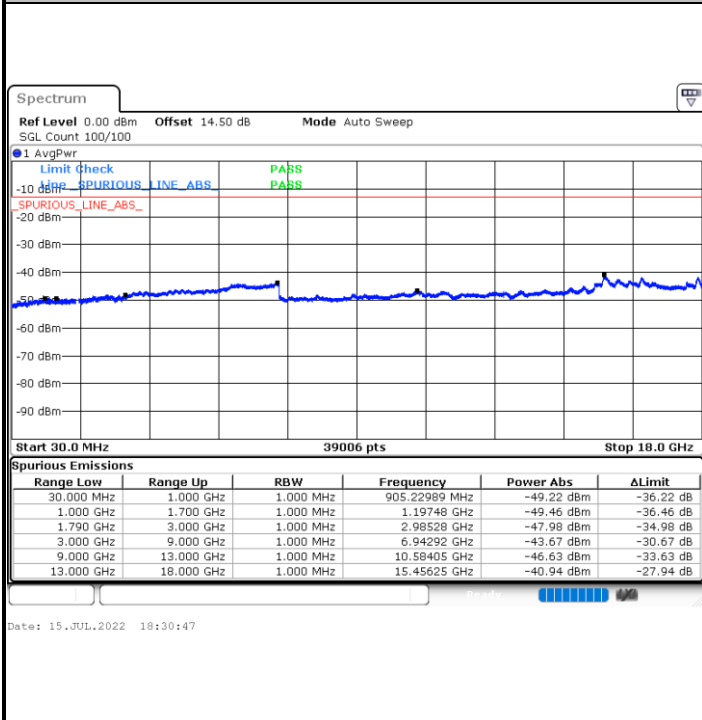
Date: 15.JUL.2022 18:24:28

Middle Channel / 64QAM



Date: 15.JUL.2022 18:26:05

Highest Channel / 64QAM



Date: 15.JUL.2022 18:30:47

N/A

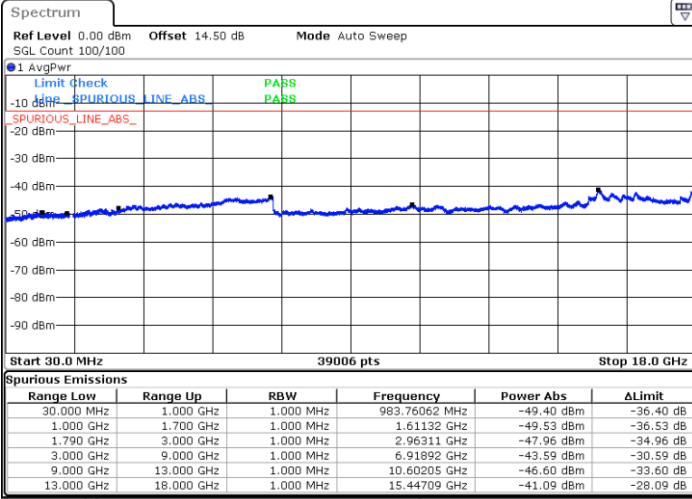
N/A



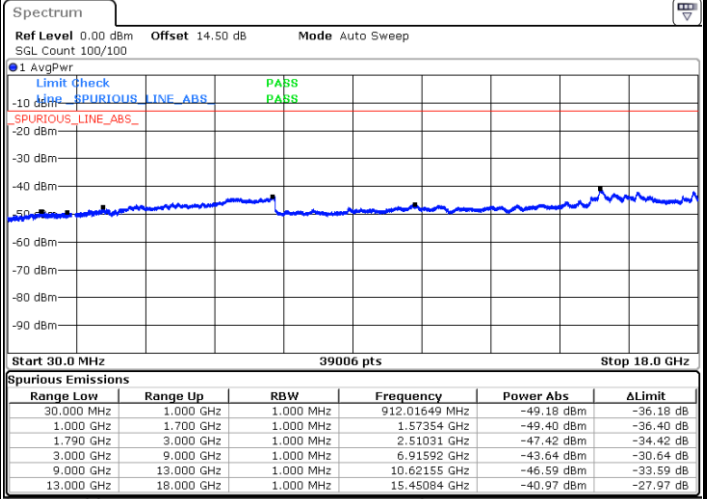
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



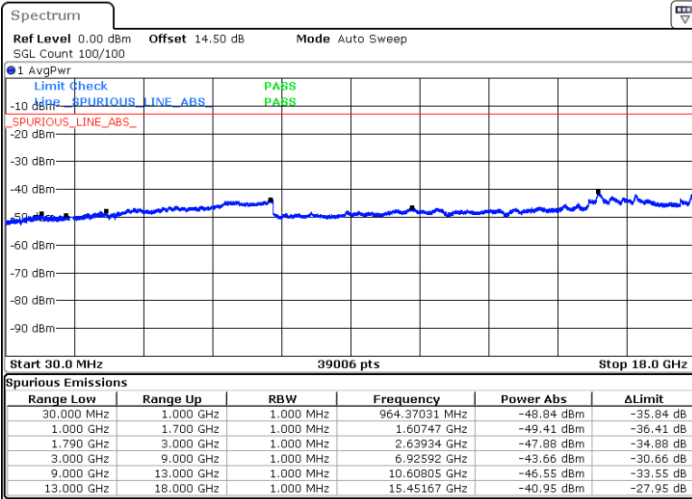
Date: 15.JUL.2022 18:58:27



Date: 15.JUL.2022 19:00:04

Highest Channel / 64QAM

N/A



Date: 15.JUL.2022 19:04:46

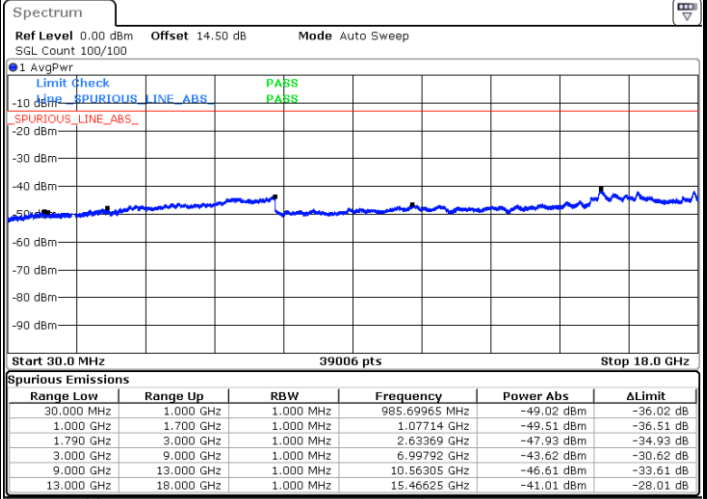
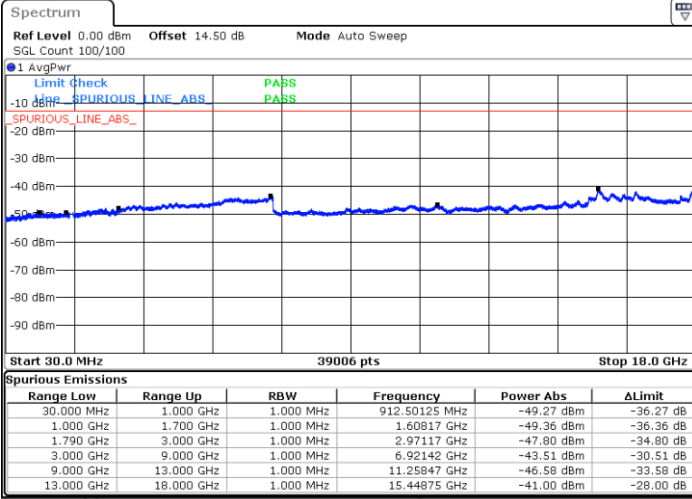
N/A



LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

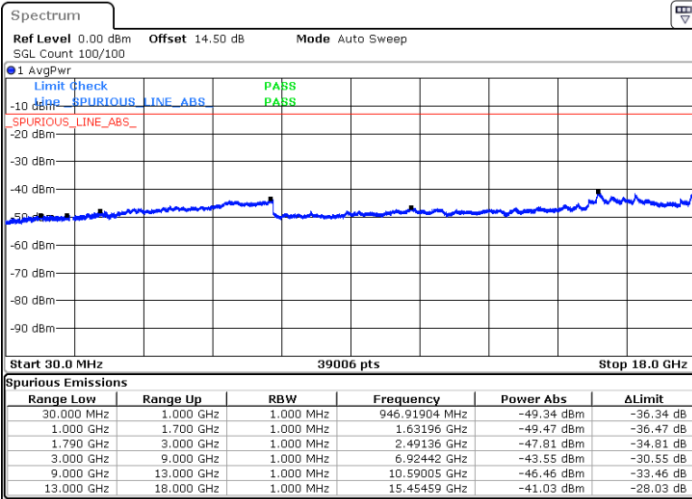


Date: 15.JUL.2022 19:09:27

Date: 15.JUL.2022 19:11:04

Highest Channel / 64QAM

N/A



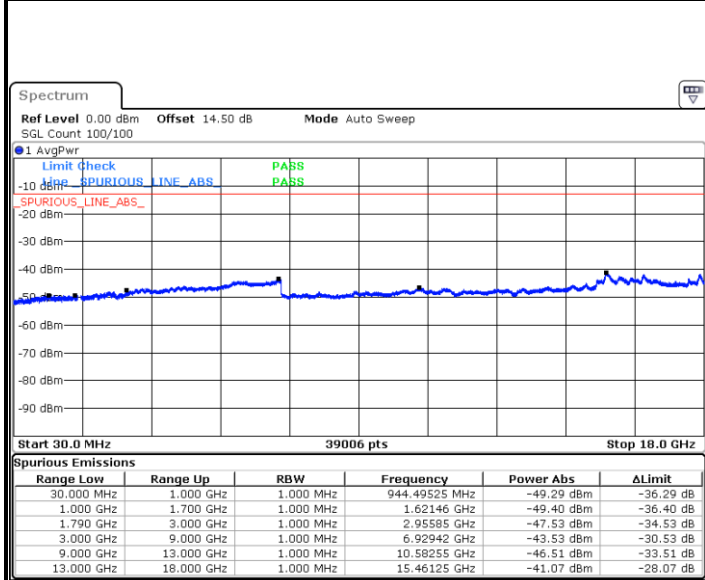
Date: 15.JUL.2022 19:15:45

N/A



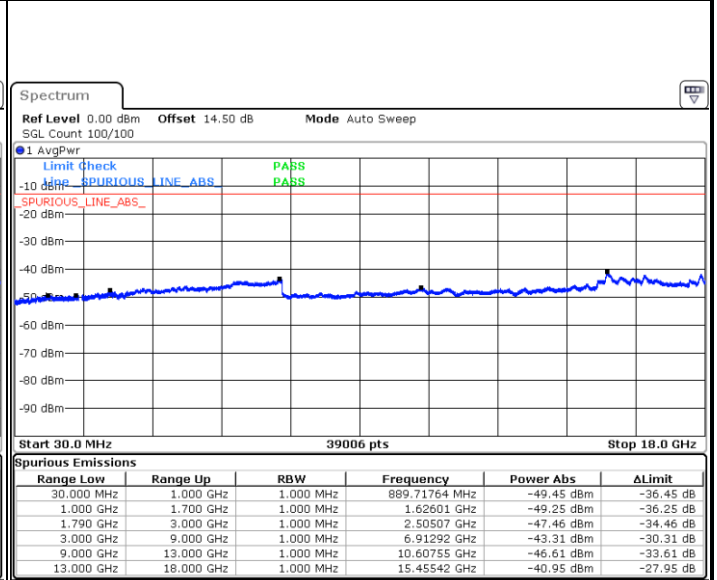
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



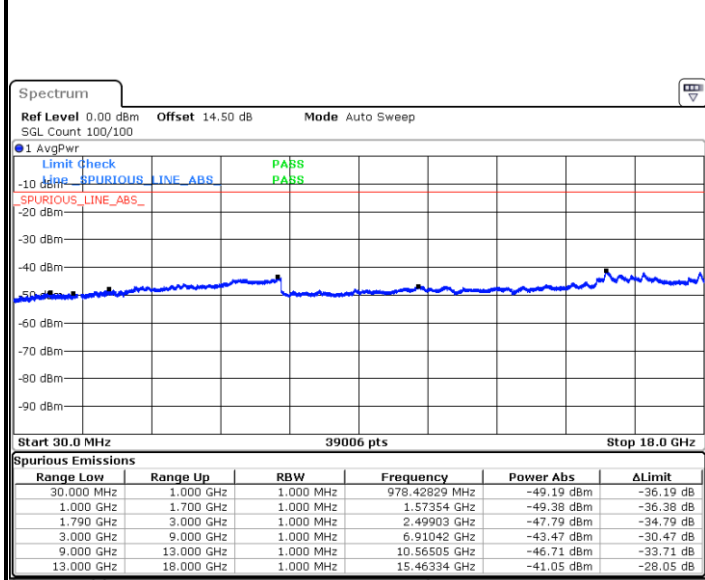
Date: 15.JUL.2022 20:06:20

Middle Channel / 64QAM



Date: 15.JUL.2022 20:07:57

Highest Channel / 64QAM



Date: 15.JUL.2022 20:12:38

N/A

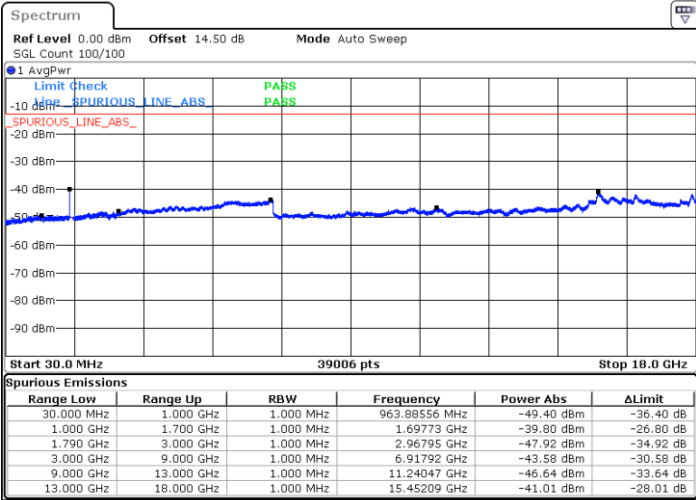
N/A



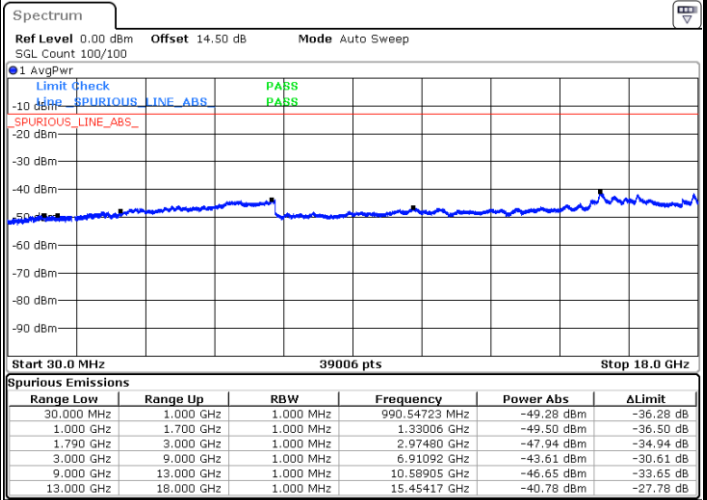
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



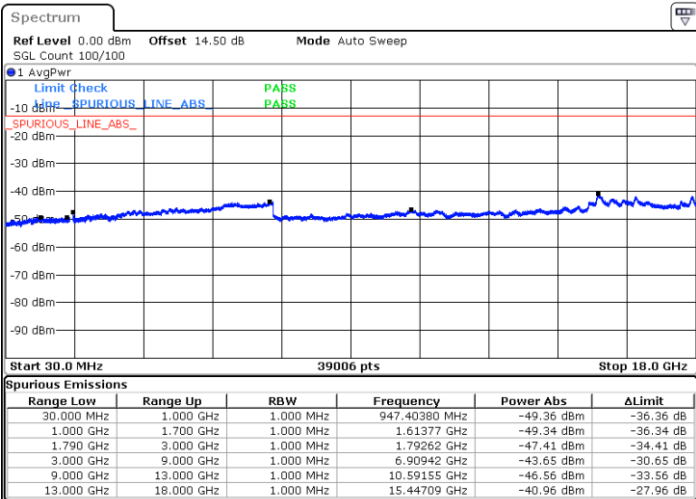
Date: 15.JUL.2022 20:30:20



Date: 15.JUL.2022 20:31:57

Highest Channel / 64QAM

N/A



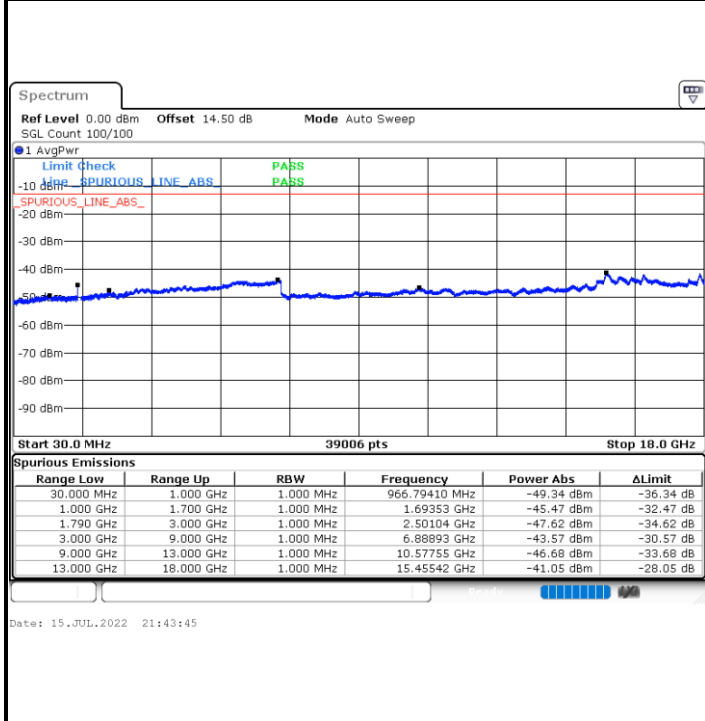
Date: 15.JUL.2022 20:36:38

N/A

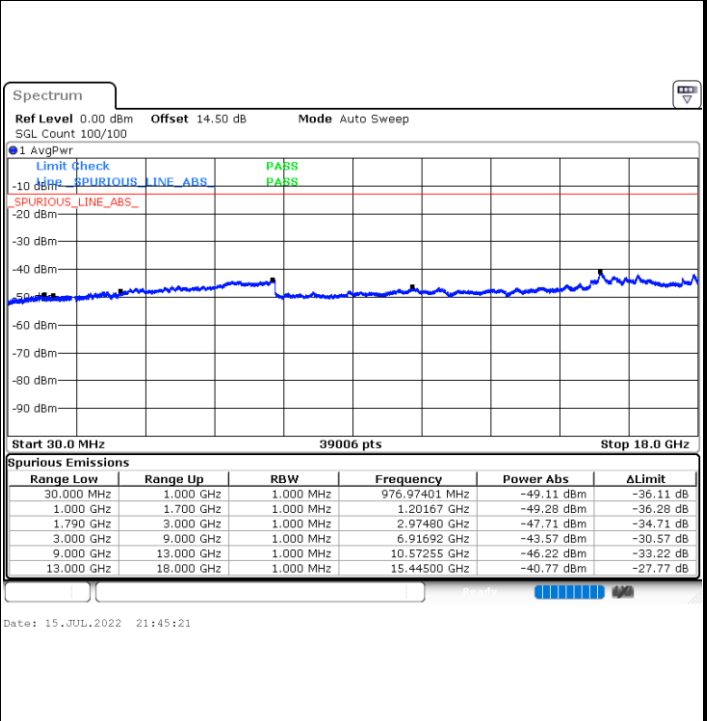


LTE Band 66 / 20MHz

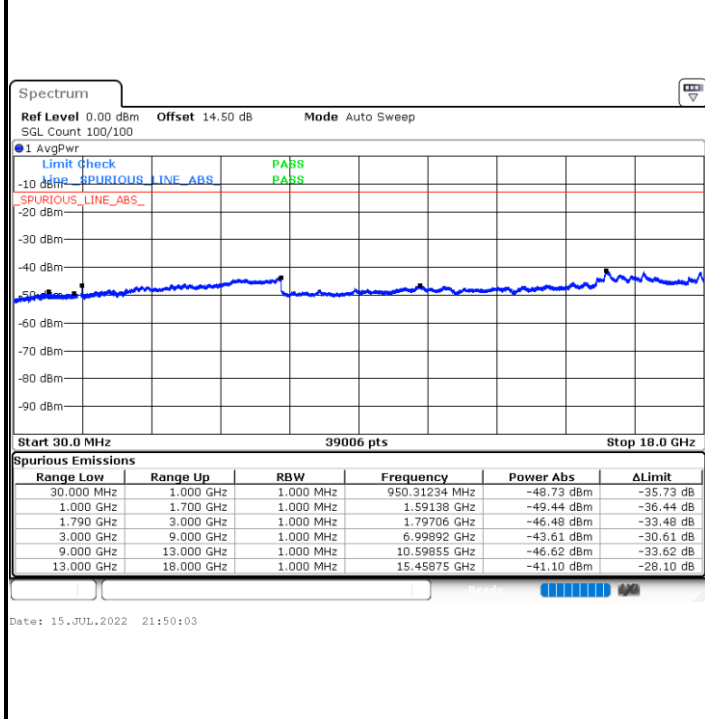
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



N/A

N/A



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

RSE pretest for Ant.13 and Ant.31, only the worst antenna perform final test and record in the report.

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

LTE Band 2_ANT13 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-59.89	-13	-46.89	-74.32	-66.64	5.85	12.60	H
	5613.27	-61.44	-13	-48.44	-78.28	-67.24	7.30	13.10	H
	7484.36	-56.66	-13	-43.66	-79.04	-59.81	8.35	11.50	H
	3742.18	-59.40	-13	-46.40	-74.04	-66.15	5.85	12.60	V
	5613.27	-61.49	-13	-48.49	-78.24	-67.29	7.30	13.10	V
	7484.36	-56.75	-13	-43.75	-79.06	-59.90	8.35	11.50	V

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

LTE Band 5_ANT13 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-67.22	-13	-54.22	-72.31	-73.33	4.00	9.40	H
	2496.27	-64.71	-13	-51.71	-74.42	-74.90	4.88	10.60	H
	3328.36	-64.18	-13	-51.18	-74.65	-76.15	5.52	12.60	H
	1664.18	-67.08	-13	-54.08	-72.33	-72.96	4.00	9.40	V
	2496.27	-64.29	-13	-51.29	-74.47	-74.82	4.88	10.60	V
	3328.36	-63.92	-13	-50.92	-75.15	-76.30	5.52	12.60	V

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

LTE Band 12_ANT13 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-64.06	-13	-51.06	-76.19	-67.31	4.00	9.40	H
	2109	-64.55	-13	-51.55	-78.29	-68.12	4.88	10.60	H
	2812	-62.95	-13	-49.95	-78.73	-67.88	5.52	12.60	H
	1406	-63.70	-13	-50.70	-76.43	-66.95	4.00	9.40	V
	2109	-64.05	-13	-51.05	-78.56	-67.62	4.88	10.60	V
	2812	-62.46	-13	-49.46	-78.73	-67.39	5.52	12.60	V

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



LTE Band 13_ANT31 / 5MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-66.13	-42.15	-23.98	-72.76	-69.38	4.00	9.40	H
	2339.25	-64.10	-13	-51.10	-74.79	-67.67	4.88	10.60	H
	3119	-62.97	-13	-49.97	-75.66	-67.90	5.52	12.60	H
	1559.5	-66.21	-42.15	-24.06	-73.05	-69.46	4.00	9.40	V
	2339.25	-63.40	-13	-50.40	-74.48	-66.97	4.88	10.60	V
	3119	-62.21	-13	-49.21	-75.41	-67.14	5.52	12.60	V

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

LTE Band 13_ANT31 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.90	-42.15	-23.75	-72.53	-69.15	4.00	9.40	H
	2339.25	-63.57	-13	-50.57	-74.26	-67.14	4.88	10.60	H
	3119	-62.45	-13	-49.45	-75.14	-67.38	5.52	12.60	H
	1559.5	-65.61	-42.15	-23.46	-72.45	-68.86	4.00	9.40	V
	2339.25	-63.34	-13	-50.34	-74.42	-66.91	4.88	10.60	V
	3119	-61.73	-13	-48.73	-74.93	-66.66	5.52	12.60	V

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

LTE Band 17_ANT13 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1411.18	-64.41	-13	-51.41	-72.31	-67.66	4.00	9.40	H
	2116.77	-64.62	-13	-51.62	-74.42	-68.19	4.88	10.60	H
	2822.36	-62.78	-13	-49.78	-74.65	-67.71	5.52	12.60	H
	1411.18	-64.35	-13	-51.35	-72.33	-67.60	4.00	9.40	V
	2116.77	-64.31	-13	-51.31	-74.47	-67.88	4.88	10.60	V
	2822.36	-63.03	-13	-50.03	-75.15	-67.96	5.52	12.60	V

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

LTE Band 26_ANT13 / 15MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-66.72	-13	-53.72	-72.84	-69.97	4.00	9.40	H
	2489.25	-64.15	-13	-51.15	-74.36	-67.72	4.88	10.60	H
	3319	-63.54	-13	-50.54	-75.58	-68.47	5.52	12.60	H
	1659.5	-66.81	-13	-53.81	-72.74	-70.06	4.00	9.40	V
	2489.25	-64.16	-13	-51.16	-74.72	-67.73	4.88	10.60	V
	3319	-63.21	-13	-50.21	-75.67	-68.14	5.52	12.60	V

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



LTE Band 66_ANT13 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-62.62	-13	-49.62	-75.23	-69.47	5.65	12.50	H
	5208	-61.93	-13	-48.93	-79.07	-67.60	7.13	12.80	H
	6944	-58.71	-13	-45.71	-79.31	-62.11	8.40	11.80	H
	3472	-62.46	-13	-49.46	-75.62	-69.31	5.65	12.50	V
	5208	-61.79	-13	-48.79	-78.88	-67.46	7.13	12.80	V
	6944	-58.72	-13	-45.72	-79.37	-62.12	8.40	11.80	V

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