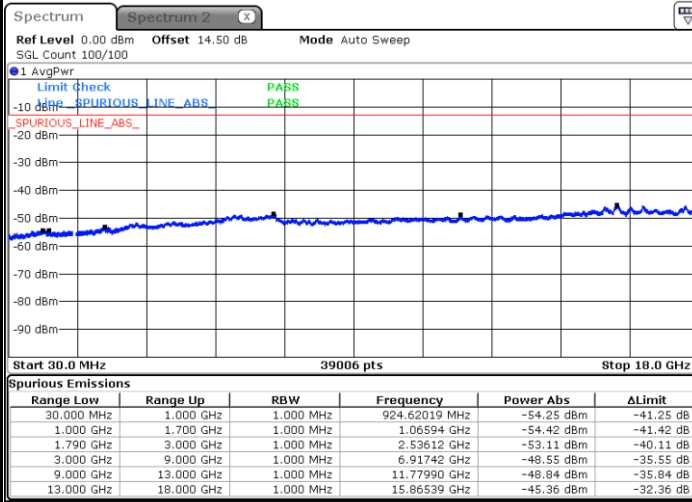




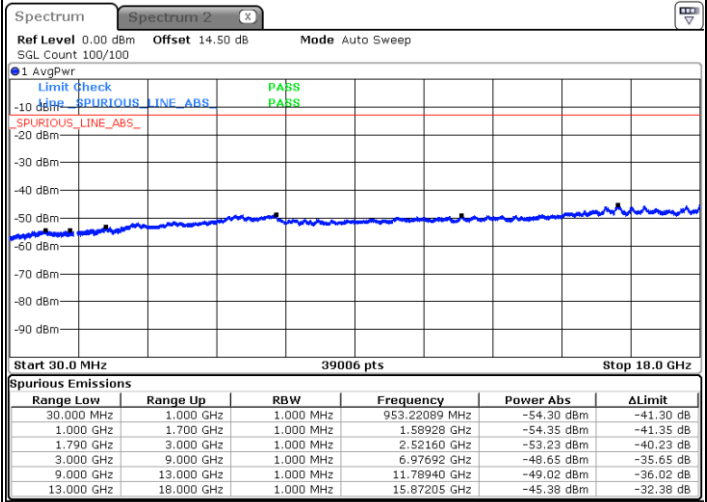
LTE Band 66 / 3MHz

Lowest Channel / QPSK



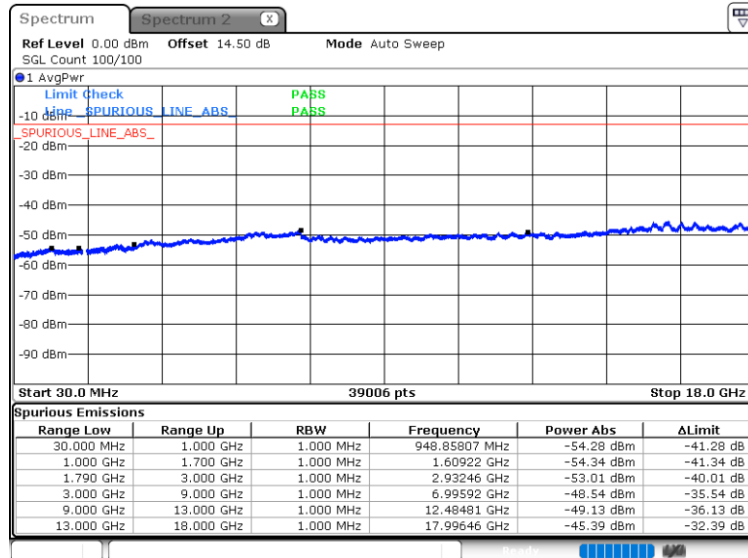
Date: 3.JAN.2024 18:14:29

Middle Channel / QPSK



Date: 3.JAN.2024 18:18:32

Highest Channel / QPSK

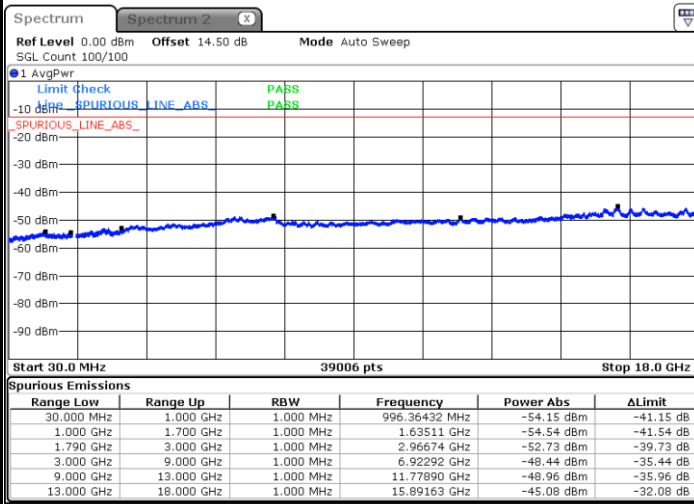


Date: 3.JAN.2024 18:26:48



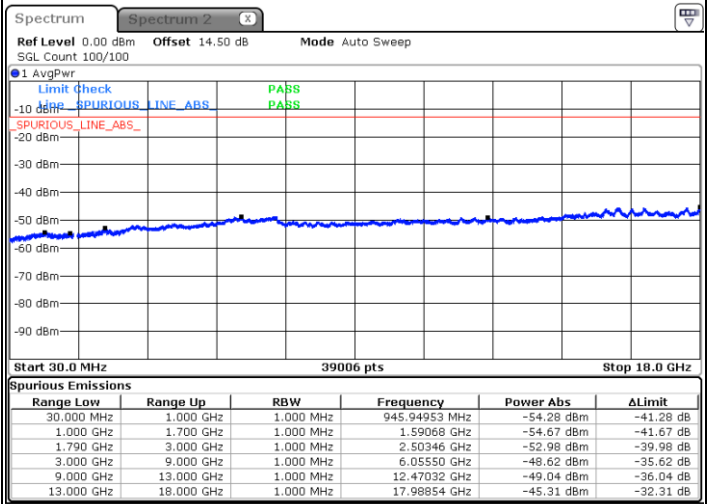
LTE Band 66 / 5MHz

Lowest Channel / QPSK



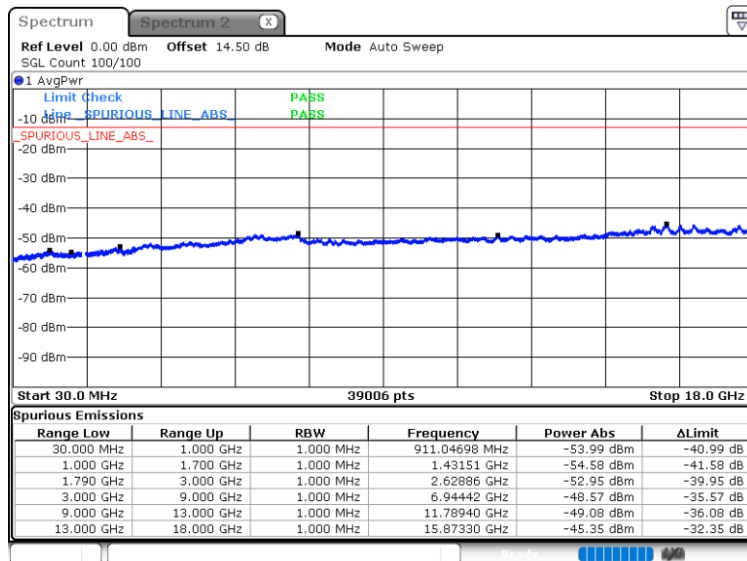
Date: 3.JAN.2024 18:32:13

Middle Channel / QPSK



Date: 3.JAN.2024 18:36:15

Highest Channel / QPSK

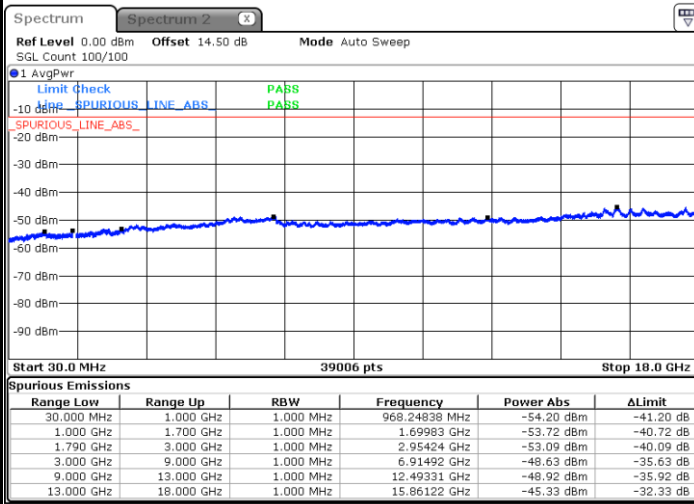


Date: 3.JAN.2024 18:44:31



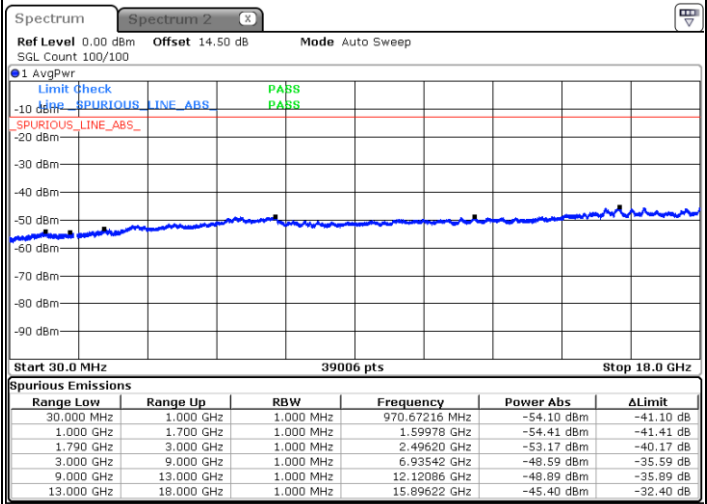
LTE Band 66 / 10MHz

Lowest Channel / QPSK



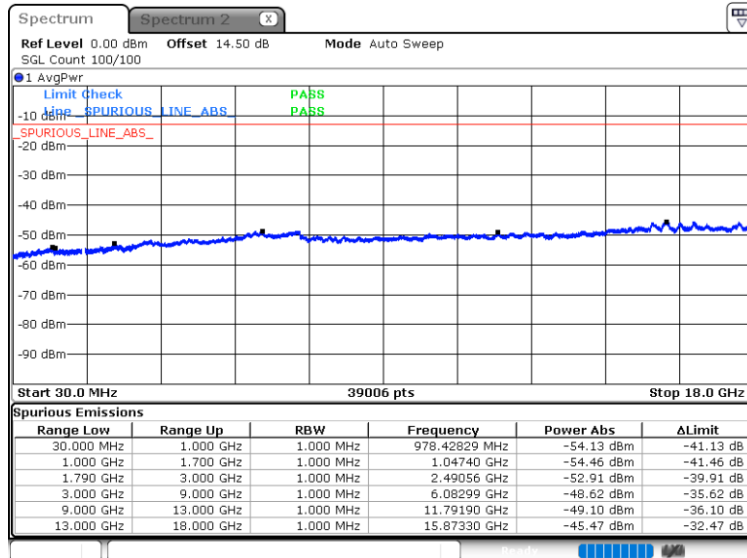
Date: 3.JAN.2024 18:52:13

Middle Channel / QPSK



Date: 3.JAN.2024 18:53:24

Highest Channel / QPSK

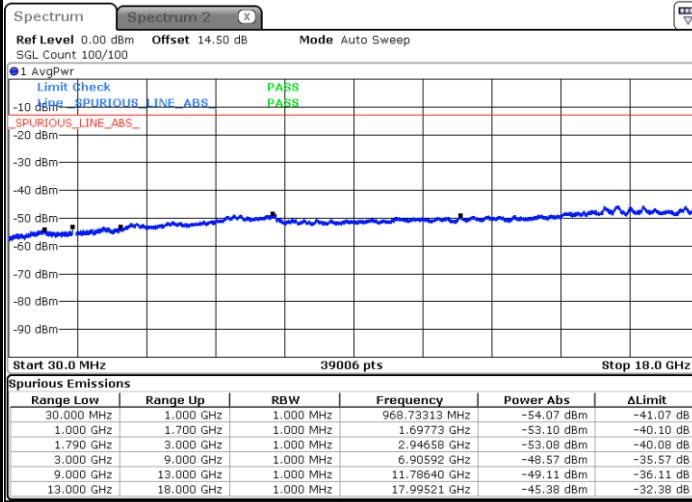


Date: 3.JAN.2024 19:01:40



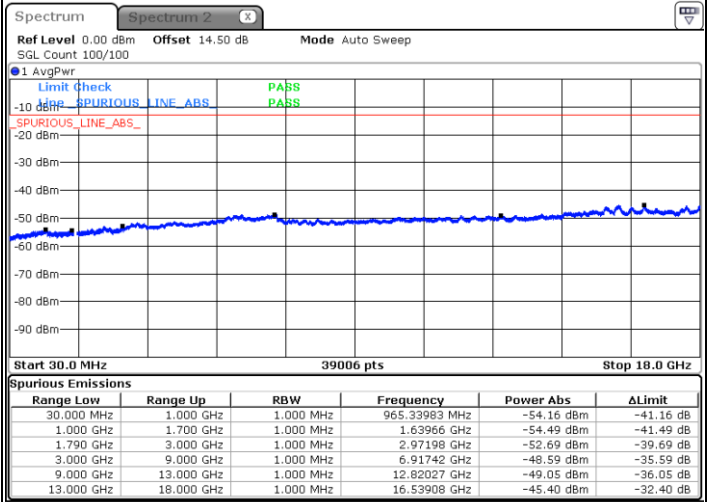
LTE Band 66 / 15MHz

Lowest Channel / QPSK



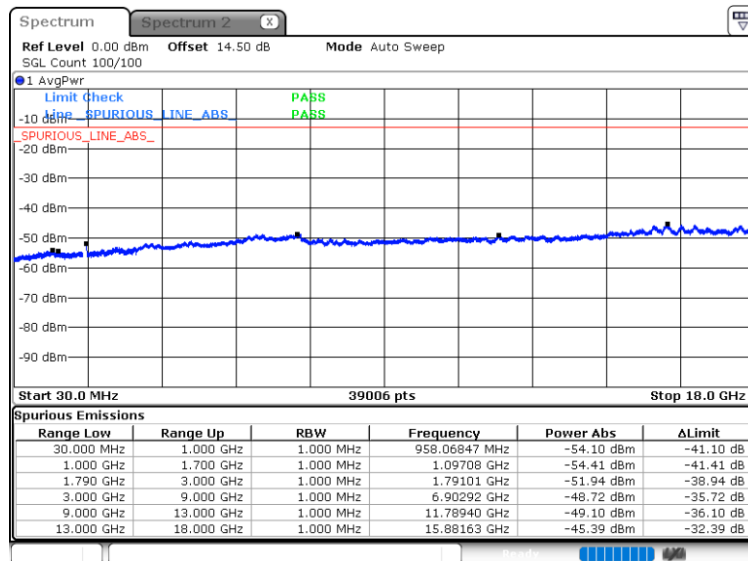
Date: 3.JAN.2024 19:09:56

Middle Channel / QPSK



Date: 3.JAN.2024 19:11:07

Highest Channel / QPSK

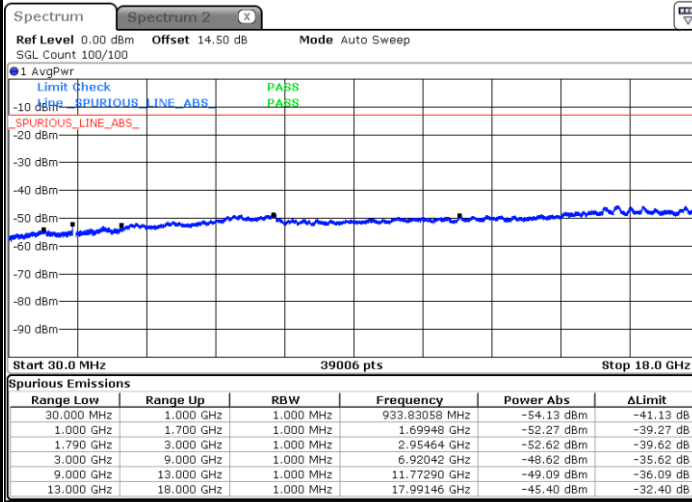


Date: 3.JAN.2024 19:19:23



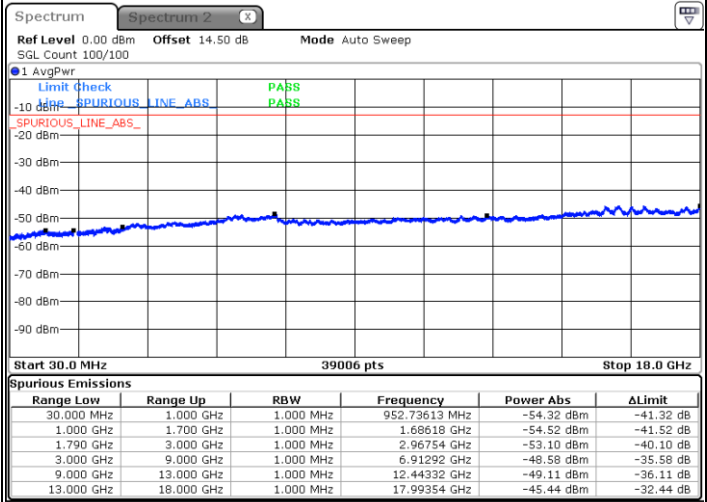
LTE Band 66 / 20MHz

Lowest Channel / QPSK



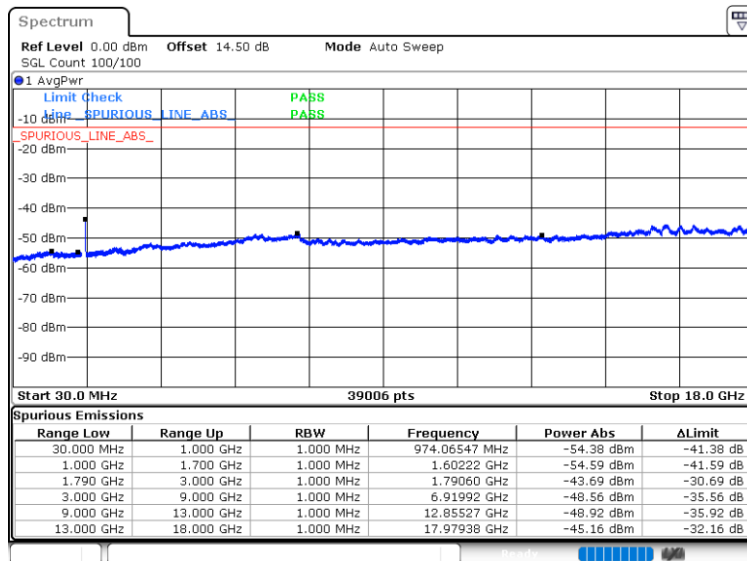
Date: 3.JAN.2024 19:27:05

Middle Channel / QPSK



Date: 3.JAN.2024 19:28:16

Highest Channel / QPSK



Date: 3.JAN.2024 19:37:57

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	0.0012	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

RSE pretest all the support Antennas, only the worst results are shown in the report.

LTE Band 2 / 20MHz / 16QAM									
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	-57.12	-13	-44.12	-80.16	-63.87	5.85	12.60	H
	5613.27	-57.87	-13	-44.87	-82.45	-63.67	7.30	13.10	H
	7484.36	-55.34	-13	-42.34	-82.42	-58.49	8.35	11.50	H
	3742.18	-54.03	-13	-41.03	-79.08	-60.78	5.85	12.60	V
	5613.27	-56.63	-13	-43.63	-82.06	-62.43	7.30	13.10	V
	7484.36	-55.28	-13	-42.28	-82.34	-58.43	8.35	11.50	V

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

LTE Band 12 / 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	-64.90	-13	-51.90	-76.16	-68.15	4.00	9.40	H
	2109	-59.51	-13	-46.51	-77.66	-63.08	4.88	10.60	H
	2812	-58.78	-13	-45.78	-78.22	-63.71	5.52	12.60	H
	1406	-63.68	-13	-50.68	-76.00	-66.93	4.00	9.40	V
	2109	-59.87	-13	-46.87	-77.81	-63.44	4.88	10.60	V
	2812	-58.50	-13	-45.50	-78.75	-63.43	5.52	12.60	V

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

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	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	-65.47	-42.15	-23.32	-77.25	-68.72	4.00	9.40	H
	2339.25	-60.55	-13	-47.55	-79.16	-64.12	4.88	10.60	H
	3119	-58.98	-13	-45.98	-79.30	-63.91	5.52	12.60	H
	1559.5	-64.66	-42.15	-22.51	-77.06	-67.91	4.00	9.40	V
	2339.25	-60.48	-13	-47.48	-79.46	-64.05	4.88	10.60	V
	3119	-57.63	-13	-44.63	-79.75	-62.56	5.52	12.60	V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	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	-65.38	-42.15	-23.23	-77.16	-68.63	4.00	9.40	H
	2339.25	-60.41	-13	-47.41	-79.02	-63.98	4.88	10.60	H
	3119	-59.22	-13	-46.22	-79.54	-64.15	5.52	12.60	H
	1559.5	-64.61	-42.15	-22.46	-77.01	-67.86	4.00	9.40	V
	2339.25	-60.20	-13	-47.20	-79.18	-63.77	4.88	10.60	V
	3119	-57.64	-13	-44.64	-79.76	-62.57	5.52	12.60	V

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

LTE Band 26 / 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	-63.85	-13	-50.85	-76.05	-67.10	4.00	9.40	H
	2489.25	-59.20	-13	-46.20	-78.58	-62.77	4.88	10.60	H
	3319	-58.07	-13	-45.07	-79.22	-63.00	5.52	12.60	H
	1659.5	-63.21	-13	-50.21	-76.08	-66.46	4.00	9.40	V
	2489.25	-58.78	-13	-45.78	-78.42	-62.35	4.88	10.60	V
	3319	-57.06	-13	-44.06	-78.91	-61.99	5.52	12.60	V

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

LTE Band 5 / 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	-65.01	-13	-52.01	-77.21	-68.26	4.00	9.40	H
	2496.27	-60.29	-13	-47.29	-79.66	-63.86	4.88	10.60	H
	3328.36	-59.05	-13	-46.05	-80.30	-63.98	5.52	12.60	H
	1664.18	-64.16	-13	-51.16	-77.03	-67.41	4.00	9.40	V
	2496.27	-59.90	-13	-46.90	-79.53	-63.47	4.88	10.60	V
	3328.36	-58.44	-13	-45.44	-80.19	-63.37	5.52	12.60	V

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

LTE Band 66 / 20MHz / QPSK / Main PA									
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	-58.81	-13	-45.81	-81.06	-65.66	5.65	12.50	H
	5208	-57.12	-13	-44.12	-82.03	-62.79	7.13	12.80	H
	6944	-56.09	-13	-43.09	-82.42	-59.49	8.40	11.80	H
	3472	-58.04	-13	-45.04	-80.09	-64.89	5.65	12.50	V
	5208	-56.56	-13	-43.56	-81.64	-62.23	7.13	12.80	V
	6944	-55.48	-13	-42.48	-82.54	-58.88	8.40	11.80	V

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



LTE Band DC_66_N7A / QPSK / Other PA									
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)
B66 Middle	3472	-58.07	-13	-45.07	-80.32	-64.92	5.65	12.50	H
	5208	-56.91	-13	-43.91	-81.82	-62.58	7.13	12.80	H
	6944	-55.23	-13	-42.23	-81.56	-58.63	8.40	11.80	H
	3472	-57.19	-13	-44.19	-79.24	-64.04	5.65	12.50	V
	5208	-56.98	-13	-43.98	-82.06	-62.65	7.13	12.80	V
	6944	-54.70	-13	-41.70	-81.76	-58.10	8.40	11.80	V
N7 Middle	5051.50	-57.42	-25	-32.42	-81.37	-62.98	7.14	12.70	H
	7577.25	-55.27	-25	-30.27	-81.97	-58.57	8.30	11.60	H
	10103.00	-52.21	-25	-27.21	-83.12	-53.73	10.48	12.00	H
	5051.50	-56.53	-25	-31.53	-81.81	-62.09	7.14	12.70	V
	7577.25	-54.84	-25	-29.84	-81.54	-58.14	8.30	11.60	V
	10103.00	-51.13	-25	-26.13	-82.97	-52.65	10.48	12.00	V

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