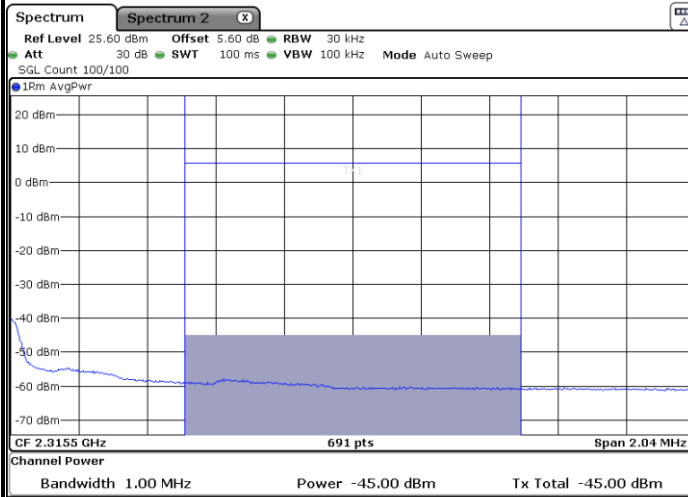




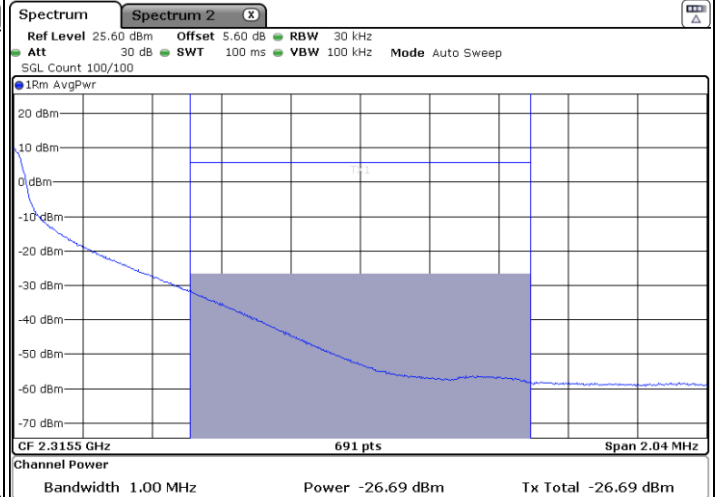
LTE Band 30 / 10MHz / 256QAM

1 RB



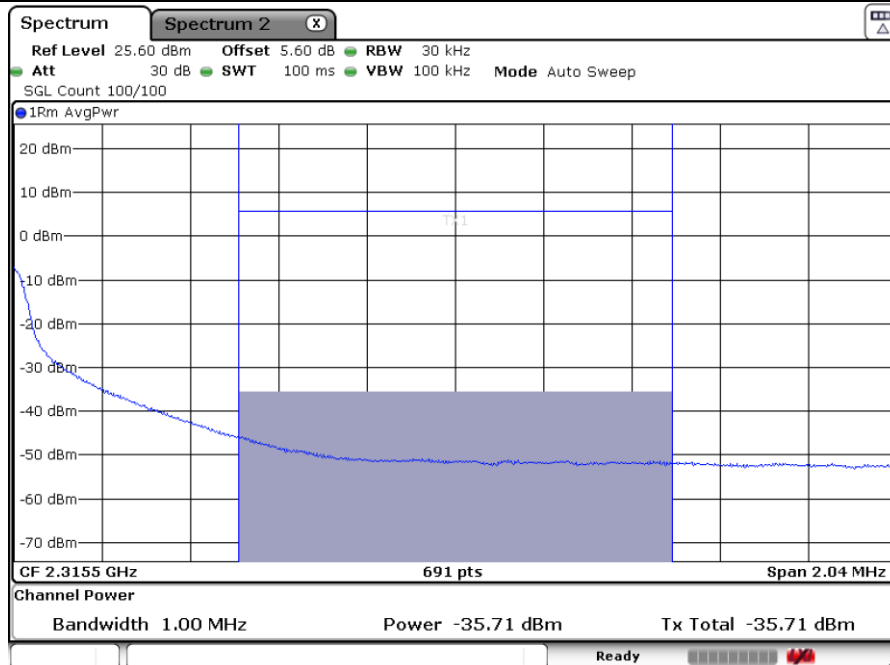
Date: 17.OCT.2024 17:36:37

1 RBMax



Date: 17.OCT.2024 17:31:37

Band Edge / Full RB



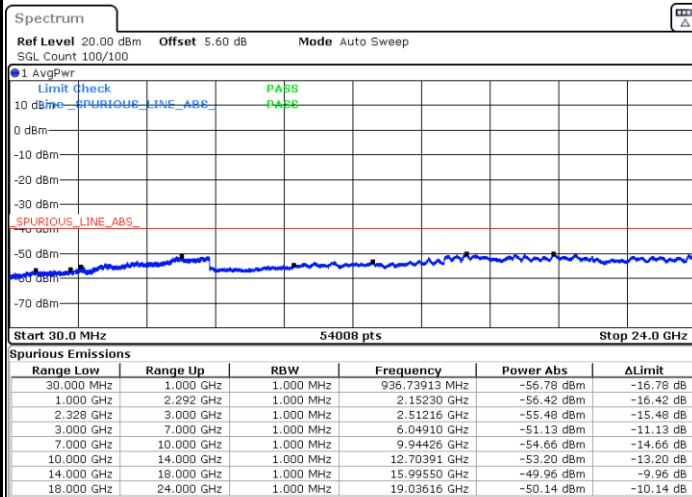
Date: 17.OCT.2024 17:41:09



Conducted Spurious Emission

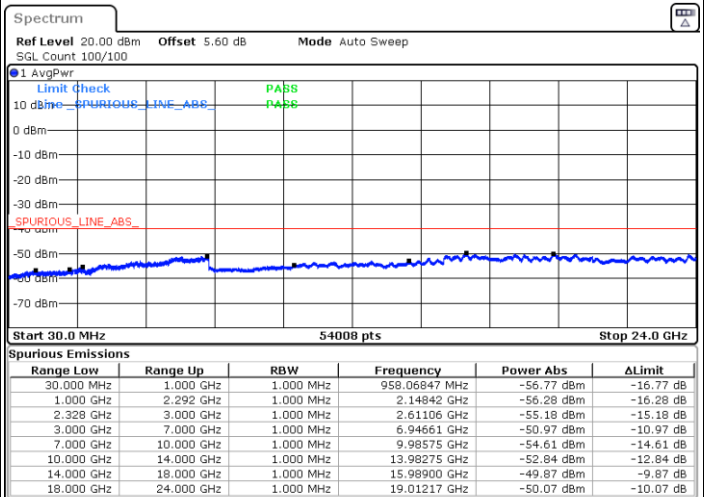
LTE Band 30 / 5MHz

Lowest Channel / QPSK



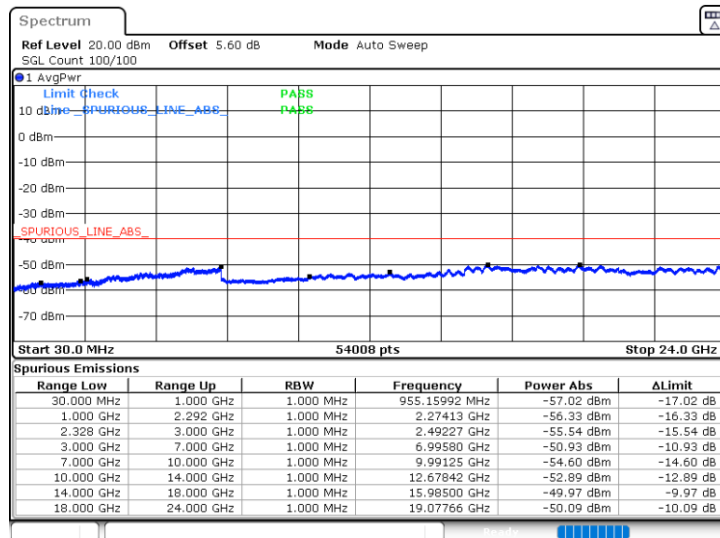
Date: 3.OCT.2024 07:59:35

Middle Channel / QPSK



Date: 3.OCT.2024 08:10:33

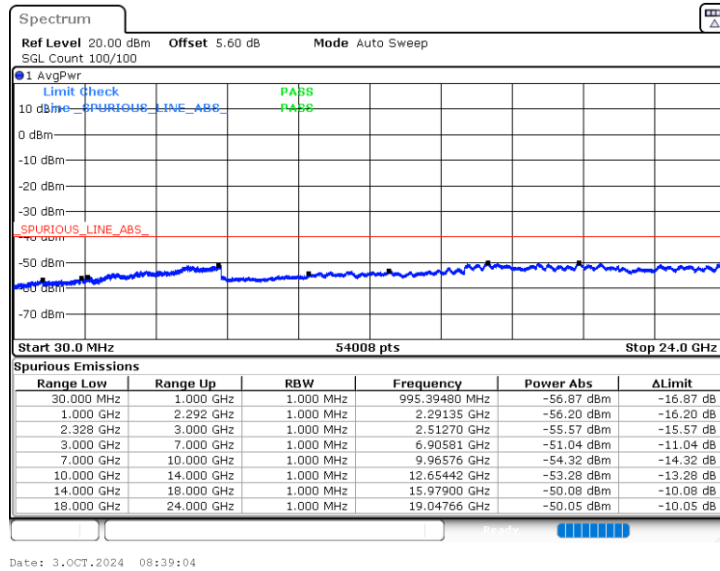
Highest Channel / QPSK



Date: 3.OCT.2024 08:13:26

LTE Band 30 / 10MHz

Middle Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

LTE Band 30 / 5MHz / QPSK / Ant.1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4611	-64.07	-40	-24.07	-75.53	2.84	14.30	H
	6916.02	-64.51	-40	-24.51	-74.45	3.49	13.43	H
	9222	-62.99	-40	-22.99	-73.23	3.85	14.09	H
	4611	-64.79	-40	-24.79	-76.25	2.84	14.30	V
	6916.02	-64.49	-40	-24.49	-74.43	3.49	13.43	V
	9221	-57.82	-40	-17.82	-68.06	3.85	14.09	V
Middle	4615	-64.04	-40	-24.04	-75.50	2.84	14.30	H
	6926	-64.06	-40	-24.06	-74.00	3.49	13.43	H
	9236	-58.44	-40	-18.44	-68.68	3.85	14.09	H
	4616	-64.21	-40	-24.21	-75.67	2.84	14.30	V
	6923	-64.08	-40	-24.08	-74.02	3.49	13.43	V
	9231	-62.75	-40	-22.75	-72.99	3.85	14.09	V
Highest	4616	-64.58	-40	-24.58	-76.04	2.84	14.30	H
	6931	-64.40	-40	-24.40	-74.34	3.49	13.43	H
	9241	-58.70	-40	-18.70	-68.94	3.85	14.09	H
	4620	-64.30	-40	-24.30	-75.76	2.84	14.30	V
	6931	-64.25	-40	-24.25	-74.19	3.49	13.43	V
	9241	-62.99	-40	-22.99	-73.23	3.85	14.09	V

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

LTE Band 30 / 10MHz / QPSK / Ant.1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4616	-64.55	-40	-24.55	-76.01	2.84	14.30	H
	6916	-64.45	-40	-24.45	-74.39	3.49	13.43	H
	9222	-52.50	-40	-12.50	-62.74	3.85	14.09	H
	4611	-60.81	-40	-20.81	-72.27	2.84	14.30	V
	6916	-63.77	-40	-23.77	-73.71	3.49	13.43	V
	9222	-60.02	-40	-20.02	-70.26	3.85	14.09	V

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

DC_30A_n77A / 5MHz / QPSK / Ant.4+9								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4610	-66.59	-40	-26.59	-78.05	2.84	14.30	H
	6916	-63.73	-40	-23.73	-73.67	3.49	13.43	H
	9222	-61.36	-40	-21.36	-71.60	3.85	14.09	H
	4616	-67.24	-40	-27.24	-78.70	2.84	14.30	V
	6916	-63.45	-40	-23.45	-73.39	3.49	13.43	V
	9221	-61.26	-40	-21.26	-71.50	3.85	14.09	V
Middle	4616	-65.40	-40	-25.40	-76.86	2.84	14.30	H
	6923	-63.28	-40	-23.28	-73.22	3.49	13.43	H
	9236	-60.23	-40	-20.23	-70.47	3.85	14.09	H
	4616	-65.74	-40	-25.74	-77.20	2.84	14.30	V
	6926	-62.33	-40	-22.33	-72.27	3.49	13.43	V
	9236	-60.85	-40	-20.85	-71.09	3.85	14.09	V
Highest	4616	-67.25	-40	-27.25	-78.71	2.84	14.30	H
	6926	-62.64	-40	-22.64	-72.58	3.49	13.43	H
	9241	-61.19	-40	-21.19	-71.43	3.85	14.09	H
	4620	-66.41	-40	-26.41	-77.87	2.84	14.30	V
	6931	-63.21	-40	-23.21	-73.15	3.49	13.43	V
	9236	-62.31	-40	-22.31	-72.55	3.85	14.09	V

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

DC_30A_n77A / 10MHz / QPSK / Ant. 4+9								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	4611	-67.37	-40	-27.37	-78.83	2.84	14.30	H
	6916	-63.79	-40	-23.79	-73.73	3.49	13.43	H
	9222	-60.53	-40	-20.53	-70.77	3.85	14.09	H
	4611	-66.66	-40	-26.66	-78.12	2.84	14.30	V
	6916	-63.06	-40	-23.06	-73.00	3.49	13.43	V
	9222	-61.58	-40	-21.58	-71.82	3.85	14.09	V

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