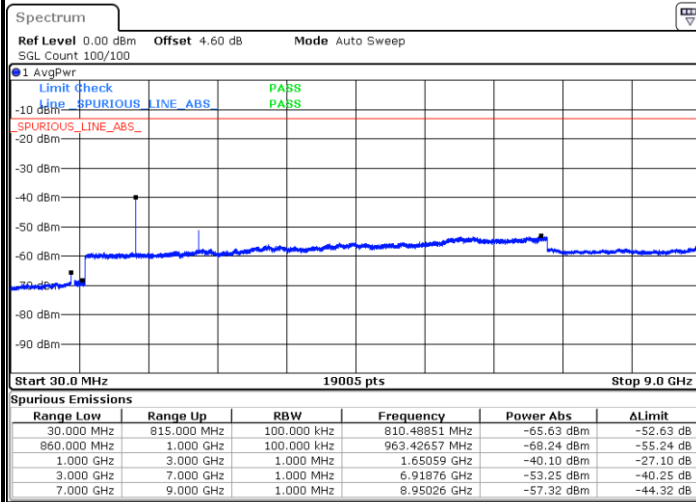




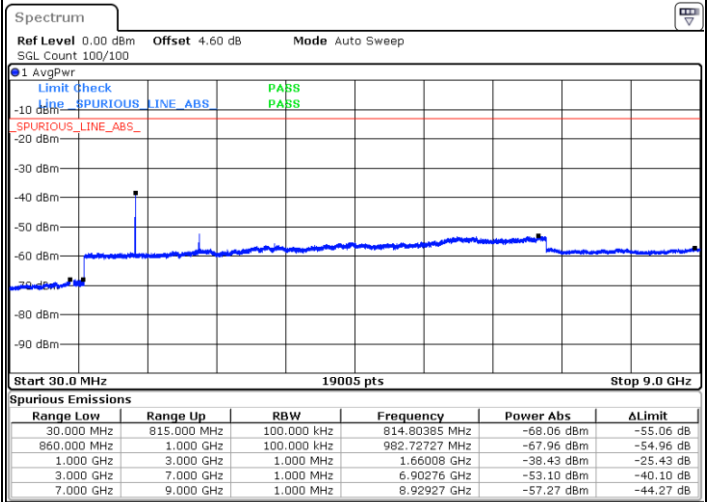
LTE Band 26 / 15MHz

Lowest Channel / QPSK



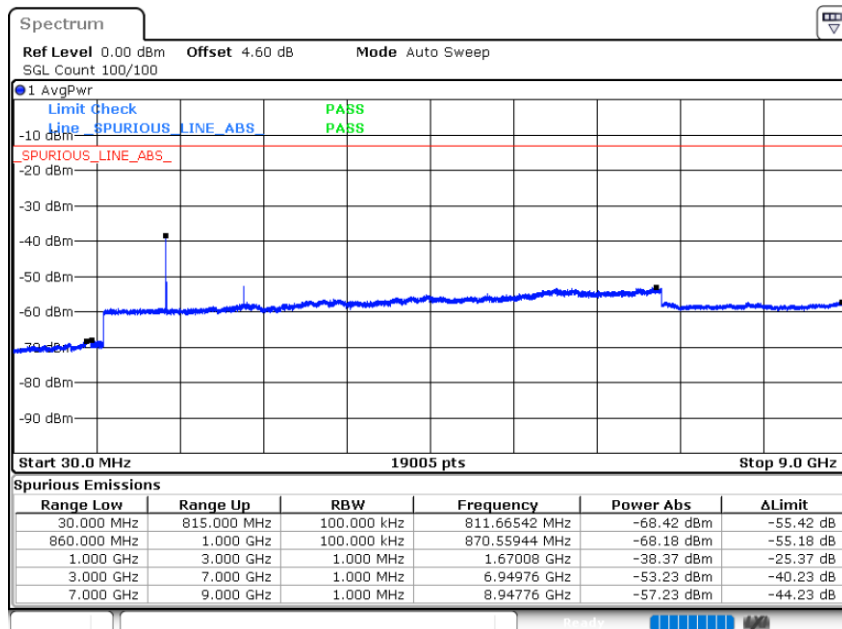
Date: 4.MAR.2022 10:03:31

Middle Channel / QPSK



Date: 4.MAR.2022 10:06:07

Highest Channel / QPSK

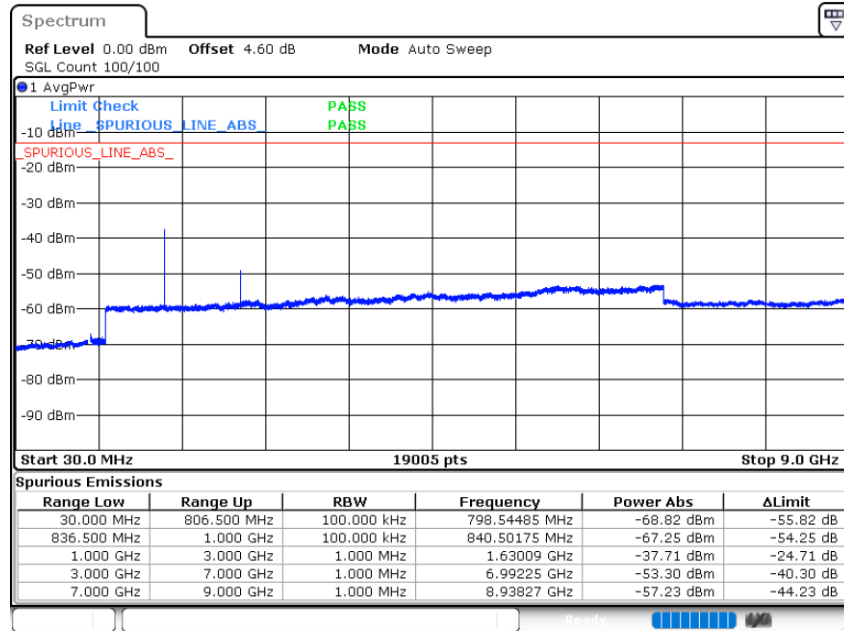


Date: 4.MAR.2022 10:08:34



LTE Band 26 / 15MHz

Channel 26765 / QPSK



Date: 4.MAR.2022 09:10:33

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0005	

Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / QPSK								
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	3735	-56.91	-13	-43.91	-69.17	2.64	14.90	H
	5610	-54.65	-13	-41.65	-66.51	2.94	14.80	H
	7485	-52.29	-13	-39.29	-62.06	3.39	13.16	H
	3735	-56.88	-13	-43.88	-69.14	2.64	14.90	V
	5610	-54.60	-13	-41.60	-66.46	2.94	14.80	V
	7485	-52.52	-13	-39.52	-62.29	3.39	13.16	V

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

LTE Band 4 / 20MHz / QPSK								
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	3450	-57.41	-13	-44.41	-68.15	2.604	13.34	H
	5175	-53.50	-13	-40.50	-64.01	3.011	13.52	H
	6900	-53.11	-13	-40.11	-63.31	3.271	13.47	H
	3450	-57.78	-13	-44.78	-68.52	2.604	13.34	V
	5175	-54.18	-13	-41.18	-64.69	3.011	13.52	V
	6900	-53.29	-13	-40.29	-63.49	3.271	13.47	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-64.09	-13	-51.09	-71.06	1.58	10.70	H
	2496	-59.17	-13	-46.17	-67.42	2.102	12.50	H
	3328	-58.25	-13	-45.25	-67.14	2.856	13.90	H
	1664	-62.85	-13	-49.85	-69.82	1.58	10.70	V
	2496	-57.79	-13	-44.79	-66.04	2.10	12.50	V
	3328	-58.39	-13	-45.39	-67.28	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-65.57	-13	-52.57	-72.54	1.58	10.70	H
	2112	-59.89	-13	-46.89	-68.14	2.102	12.50	H
	2816	-57.38	-13	-44.38	-66.27	2.856	13.90	H
	1408	-65.21	-13	-52.21	-72.18	1.58	10.70	V
	2112	-58.73	-13	-45.73	-66.98	2.10	12.50	V
	2816	-56.64	-13	-43.64	-65.53	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-64.40	-42.15	-22.25	-67.03	1.09	5.87	H
	2336	-59.79	-13	-46.79	-62.19	1.37	5.92	H
	3120	-58.02	-13	-45.02	-61.91	1.64	7.68	H
	1560	-63.88	-42.15	-21.73	-66.51	1.09	5.87	V
	2336	-57.76	-13	-44.76	-60.16	1.37	5.92	V
	3120	-57.79	-13	-44.79	-61.68	1.64	7.68	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-65.18	-13	-52.18	-67.81	1.09	5.87	H
	2328	-59.49	-13	-46.49	-61.89	1.37	5.92	H
	3112	-58.35	-13	-45.35	-62.24	1.64	7.68	H
	1552	-64.45	-13	-51.45	-67.08	1.09	5.87	V
	2328	-57.82	-13	-44.82	-60.22	1.37	5.92	V
	3112	-58.06	-13	-45.06	-61.95	1.64	7.68	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-63.26	-13	-50.26	-70.23	1.58	10.70	H
	2488	-58.61	-13	-45.61	-66.86	2.102	12.50	H
	3320	-57.73	-13	-44.73	-66.62	2.856	13.90	H
	1656	-64.17	-13	-51.17	-71.14	1.58	10.70	V
	2488	-58.87	-13	-45.87	-67.12	2.10	12.50	V
	3320	-59.73	-13	-46.73	-68.62	2.86	13.90	V

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