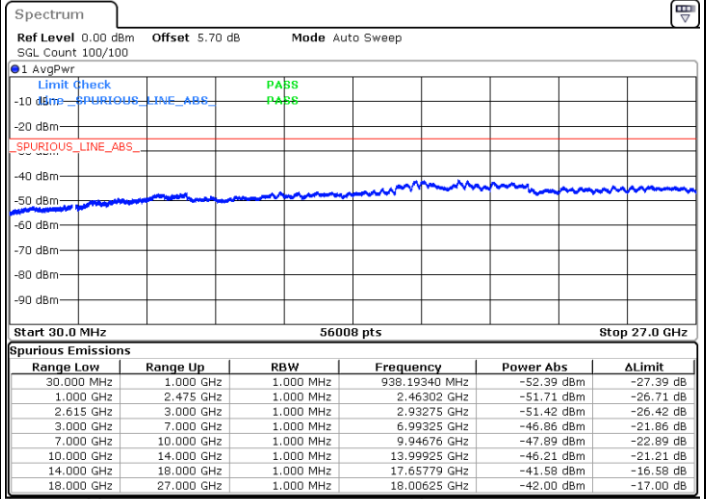
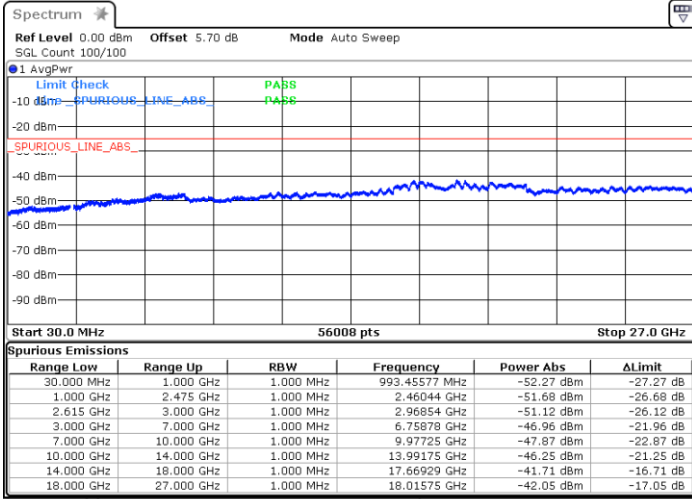




LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

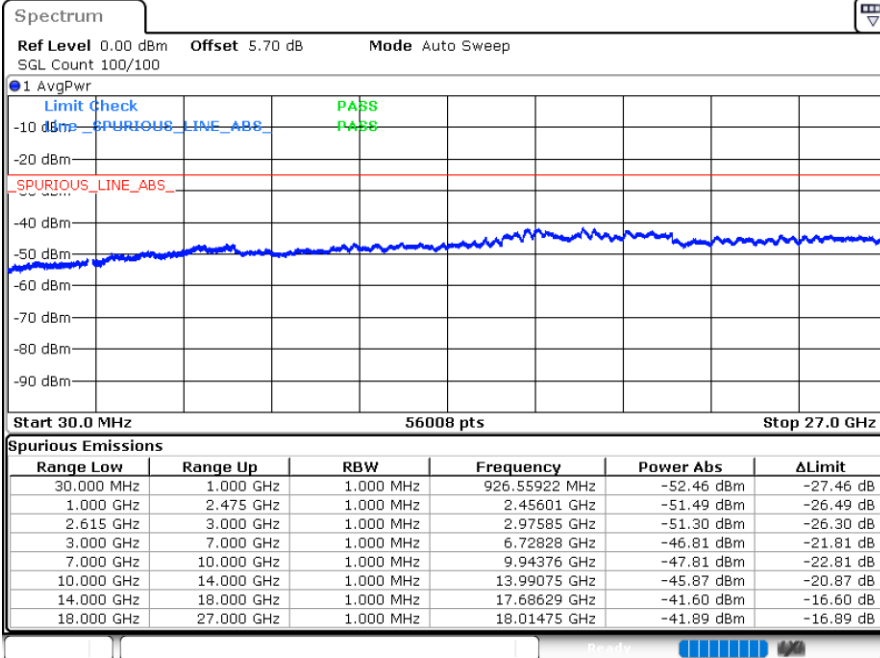
Middle Channel / QPSK



Date: 5.JAN.2022 18:07:17

Date: 5.JAN.2022 18:22:44

Highest Channel / QPSK



Date: 5.JAN.2022 18:24:34



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0010	

Note:

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



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

LTE Band 7 / 20MHz / QPSK Ant 0								
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	5052	-61.84	-25	-36.84	-72.05	3.03	13.24	H
	7580	-48.54	-25	-23.54	-57.99	3.56	13.01	H
	10100	-60.86	-25	-35.86	-70.38	3.92	13.44	H
	5052	-63.15	-25	-38.15	-73.36	3.03	13.24	V
	7580	-54.18	-25	-29.18	-63.63	3.56	13.01	V
	10100	-61.86	-25	-36.86	-71.38	3.92	13.44	V

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

LTE Band 41 / 20MHz / QPSK Ant 0								
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	5162	-63.88	-25	-38.88	-74.09	3.03	13.24	H
	7752	-54.08	-25	-29.08	-63.53	3.56	13.01	H
	10342	-60.22	-25	-35.22	-69.74	3.92	13.44	H
	5162	-64.23	-25	-39.23	-74.44	3.03	13.24	V
	7752	-57.05	-25	-32.05	-66.50	3.56	13.01	V
	10342	-61.05	-25	-36.05	-70.57	3.92	13.44	V

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



LTE Band 7C_CA / 20MHz+20MHz / QPSK Ant 0								
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	5036	-60.07	-25	-35.07	-70.28	3.03	13.24	H
	7542	-58.16	-25	-33.16	-67.61	3.56	13.01	H
	10062	-63.30	-25	-38.30	-72.82	3.92	13.44	H
	5036	-62.97	-25	-37.97	-73.18	3.03	13.24	V
	7542	-58.05	-25	-33.05	-67.50	3.56	13.01	V
	10062	-63.75	-25	-38.75	-73.27	3.92	13.44	V

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

LTE Band 38C_CA / 20MHz+20MHz / QPSK Ant 0								
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	5148	-63.85	-25	-38.85	-74.06	3.03	13.24	H
	7724	-53.80	-25	-28.80	-63.25	3.56	13.01	H
	10300	-61.07	-25	-36.07	-70.59	3.92	13.44	H
	5148	-62.75	-25	-37.75	-72.96	3.03	13.24	V
	7724	-51.86	-25	-26.86	-61.31	3.56	13.01	V
	10300	-61.72	-25	-36.72	-71.24	3.92	13.44	V

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



Appendix D. Reference Report

Please refer to Sporton report number FG180507C which is issued separately.