



Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0091	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0092	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0071	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0079	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0082	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0008	

**Note:**

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.02	PASS
40	Normal Voltage	0.01	
30	Normal Voltage	0.01	
20(Ref.)	Normal Voltage	0.00	
10	Normal Voltage	-0.01	
0	Normal Voltage	0.02	
-10	Normal Voltage	0.01	
-20	Normal Voltage	-0.01	
-30	Normal Voltage	-0.02	
20	Maximum Voltage	0.01	
20	Normal Voltage	0.01	
20	Battery End Point	-0.02	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

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	3447	-47.33	-13	-34.33	-51.55	3.37	7.59	H
	5169	-41.75	-13	-28.75	-46.94	4.20	9.39	H
	6894	-33.66	-13	-20.66	-40.41	4.92	11.67	H
	3447	-52.28	-13	-39.28	-56.50	3.37	7.59	V
	5172	-46.56	-13	-33.56	-51.75	4.20	9.39	V
	6894	-38.20	-13	-25.20	-44.95	4.92	11.67	V

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

LTE Band 7 / 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	5052	-36.27	-25	-11.27	-41.24	3.85	8.82	H
	7580	-36.10	-25	-11.10	-42.94	5.09	11.93	H
	10104	-45.89	-25	-20.89	-51.81	6.08	12.01	H
	12630	-53.03	-25	-28.03	-58.62	6.99	12.58	H
	15156	-45.45	-25	-20.45	-50.26	7.88	12.69	H
	5052	-40.09	-25	-15.09	-45.06	3.85	8.82	V
	7576	-46.58	-25	-21.58	-53.42	5.09	11.93	V
	10104	-50.34	-25	-25.34	-56.26	6.08	12.01	V
	12630	-56.20	-25	-31.20	-61.79	6.99	12.58	V
15156	-48.44	-25	-23.44	-53.25	7.88	12.69	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	1406	-64.88	-13	-51.88	-65.23	2.08	4.58	H
	2110	-56.34	-13	-43.34	-57.73	2.57	6.10	H
	2812	-59.48	-13	-46.48	-61.38	2.98	7.03	H
	1406	-62.36	-13	-49.36	-62.71	2.08	4.58	V
	2110	-56.29	-13	-43.29	-57.68	2.57	6.10	V
	2812	-59.23	-13	-46.23	-61.13	2.98	7.03	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	-55.25	-40	-15.25	-59.38	1.00	5.12	H
	2339.52	-59.24	-13	-46.24	-62.47	1.24	6.62	H
	3120	-59.68	-13	-46.68	-63.57	1.42	7.46	H
	1560	-56.04	-40	-16.04	-60.17	1.00	5.12	V
	2340	-58.38	-13	-45.38	-61.61	1.24	6.62	V
	3120	-59.20	-13	-46.20	-63.09	1.42	7.46	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	1556	-59.80	-13	-46.80	-60.43	2.18	4.96	H
	2332	-56.18	-13	-43.18	-57.75	2.70	6.42	H
	3111	-55.91	-13	-42.91	-57.91	3.12	7.27	H
	1556	-62.99	-13	-49.99	-63.62	2.18	4.96	V
	2332	-57.12	-13	-44.12	-58.69	2.70	6.42	V
	3111	-56.08	-13	-43.08	-58.08	3.12	7.27	V

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



LTE Band 25 / 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	3747	-46.10	-13	-33.10	-49.60	3.60	7.10	H
	5619	-32.53	-13	-19.53	-38.51	4.42	10.40	H
	7494	-45.50	-13	-32.50	-52.31	5.13	11.94	H
	3747	-53.02	-13	-40.02	-56.52	3.60	7.10	V
	5619	-41.40	-13	-28.40	-47.38	4.42	10.40	V
	7494	-51.24	-13	-38.24	-58.05	5.13	11.94	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	1660	-62.12	-13	-49.12	-63.49	2.28	5.80	H
	2490	-53.71	-13	-40.71	-55.62	2.84	6.90	H
	3318	-59.57	-13	-46.57	-61.63	3.29	7.50	H
	1660	-62.15	-13	-49.15	-63.52	2.28	5.80	V
	2490	-57.24	-13	-44.24	-59.15	2.84	6.90	V
	3318	-59.37	-13	-46.37	-61.43	3.29	7.50	V

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



LTE Band 41 / 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	5168	-34.33	-25	-9.33	-39.45	3.99	9.11	H
	7752	-49.95	-25	-24.95	-57.13	5.15	12.33	H
	10336	-56.92	-25	-31.92	-62.78	6.17	12.02	H
	12918	-62.20	-25	-37.20	-67.91	7.14	12.85	H
	15504	-52.44	-25	-27.44	-57.59	8.03	13.18	H
	5168	-30.23	-25	-5.23	-35.35	3.99	9.11	V
	7752	-48.64	-25	-23.64	-55.82	5.15	12.33	V
	10336	-49.25	-25	-24.25	-55.11	6.17	12.02	V
	12918	-56.66	-25	-31.66	-62.37	7.14	12.85	V
	15504	-44.04	-25	-19.04	-49.19	8.03	13.18	V

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

LTE Band 41 CA / 20MHz + 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	5309	-44.44	-25	-19.44	-50.45	4.20	10.21	H
	7961	-34.04	-25	-9.04	-40.90	5.12	11.98	H
	10616	-50.81	-25	-25.81	-57.85	5.86	12.90	H
	13272	-52.70	-25	-27.70	-59.59	7.07	13.96	H
	15924	-58.18	-25	-33.18	-64.32	7.65	13.79	H
	5309	-37.92	-25	-12.92	-43.93	4.20	10.21	V
	7961	-29.42	-25	-4.42	-36.28	5.12	11.98	V
	10616	-45.15	-25	-20.15	-52.19	5.86	12.90	V
	13272	-45.78	-25	-20.78	-52.67	7.07	13.96	V
	15924	-52.45	-25	-27.45	-58.59	7.65	13.79	V

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