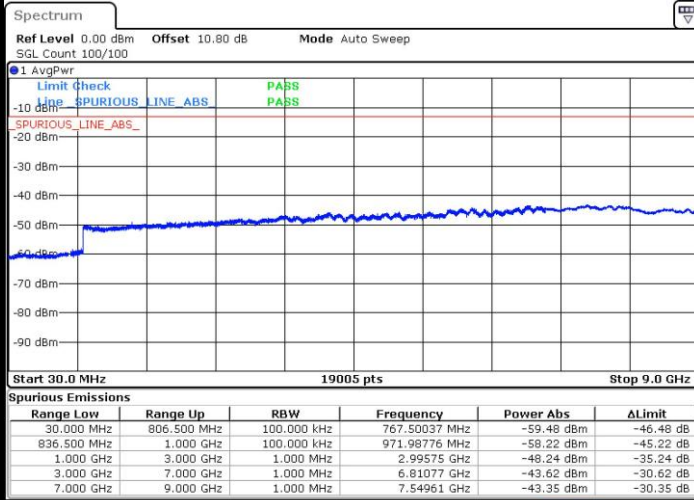




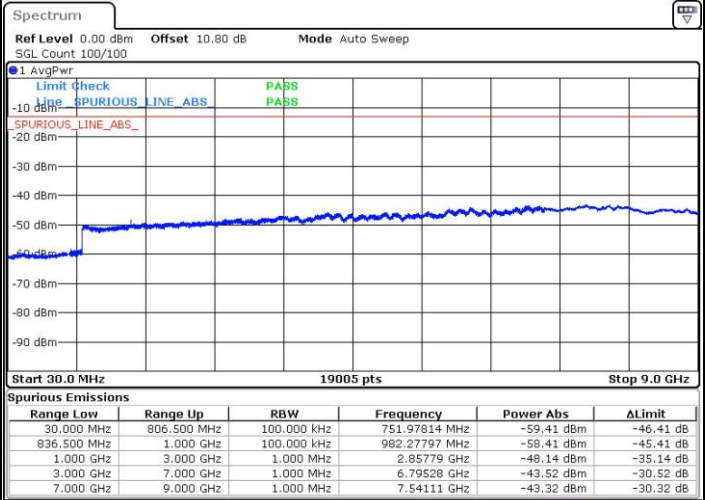
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



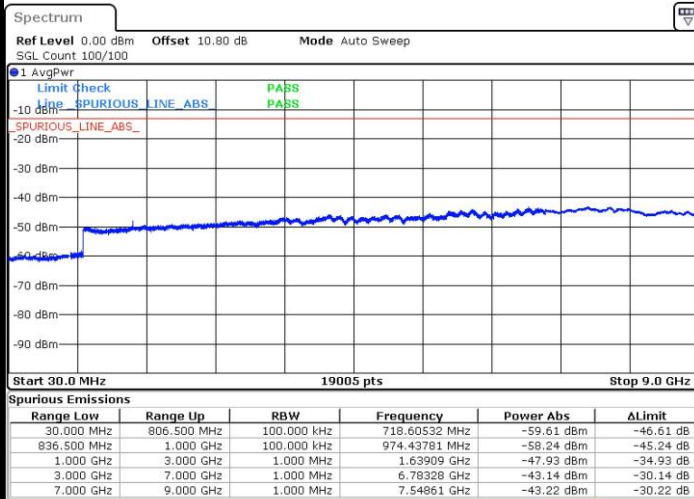
Date: 6 JAN 2019 18:39:09

Middle Channel / 64QAM

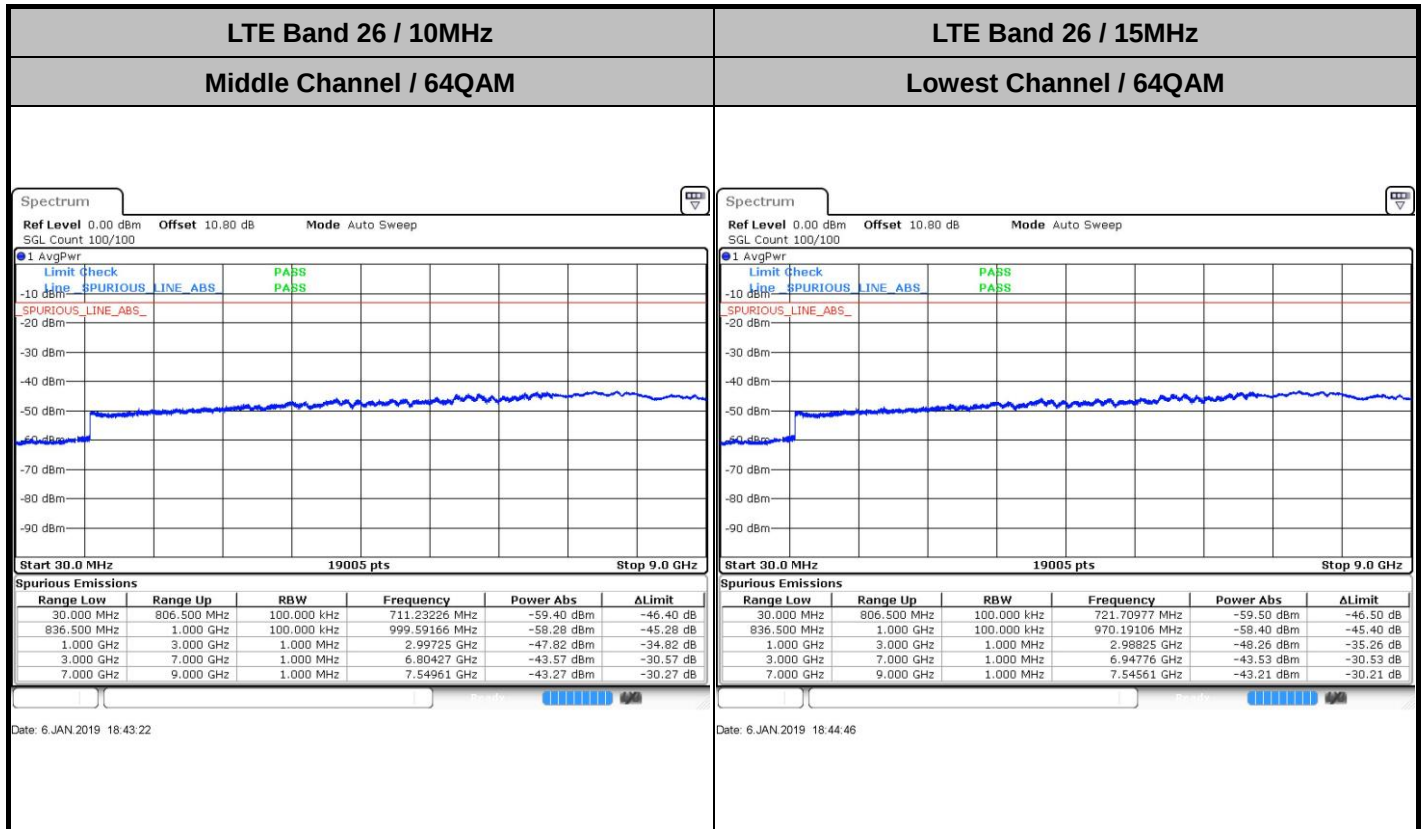


Date: 6 JAN 2019 18:40:33

Highest Channel / 64QAM



Date: 6 JAN 2019 18:41:57



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0100	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0083	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0085	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0085	

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 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0107	PASS
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0100	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0107	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0105	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

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 ERP and Radiated Test

ERP

<Reporting Only>

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	24.18	0.2618	20.03	0.1007
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	23.50	0.2239	19.35	0.0861
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	22.46	0.1762	18.31	0.0678
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission**

<For Ant. 1>

LTE Band 26

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-58.50	-13	-45.50	-67.16	-64.17	0.81	8.63	H
	2448	-60.18	-13	-47.18	-73.7	-67.72	1.04	10.73	H
	3264	-57.94	-13	-44.94	-73.72	-66.47	1.10	11.78	H
									H
									H
									H
	1632	-61.80	-13	-48.80	-70.32	-67.47	0.81	8.63	V
	2448	-59.88	-13	-46.88	-73.6	-67.42	1.04	10.73	V
	3264	-57.84	-13	-44.84	-73.89	-66.37	1.10	11.78	V
									V
									V
									V
Middle	1640	-57.95	-13	-44.95	-66.65	-63.65	0.81	8.66	H
	2460	-60.27	-13	-47.27	-73.81	-67.82	1.04	10.74	H
	3280	-58.14	-13	-45.14	-73.84	-66.71	1.10	11.82	H
									H
									H
									H
	1640	-60.86	-13	-47.86	-69.41	-66.56	0.81	8.66	V
	2460	-59.71	-13	-46.71	-73.43	-67.26	1.04	10.74	V
	3280	-57.36	-13	-44.36	-73.38	-65.93	1.10	11.82	V
									V
									V
									V



Highest	1640	-59.30	-13	-46.30	-68	-65.00	0.81	8.66	H
	2460	-60.10	-13	-47.10	-73.64	-67.65	1.04	10.74	H
	3280	-60.10	-13	-47.10	-75.8	-68.67	1.10	11.82	H
									H
									H
									H
									H
	1640	-60.81	-13	-47.81	-69.36	-66.51	0.81	8.66	V
	2460	-60.10	-13	-47.10	-73.82	-67.65	1.04	10.74	V
	3280	-57.63	-13	-44.63	-73.65	-66.20	1.10	11.82	V
									V
									V
									V
									V



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)
Lowest	1656	-60.77	-13	-47.77	-69.52	-66.52	0.82	8.72	H
	2484	-59.89	-13	-46.89	-73.48	-67.47	1.05	10.78	H
	3312	-58.63	-13	-45.63	-74.17	-67.27	1.10	11.89	H
									H
									H
									H
									H
	1656	-62.82	-13	-49.82	-71.43	-68.57	0.82	8.72	V
	2484	-59.74	-13	-46.74	-73.45	-67.32	1.05	10.78	V
	3312	-58.08	-13	-45.08	-74.03	-66.72	1.10	11.89	V
									V
									V
									V
									V

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



<For Ant. 2>

LTE Band 26

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-51.39	-13	-38.39	-59.77	-57.14	0.82	8.72	H
	2488	-52.46	-13	-39.46	-66	-60.04	1.05	10.78	H
	3312	-58.51	-13	-45.51	-74.44	-67.15	1.10	11.89	H
									H
									H
									H
	1656	-48.28	-13	-35.28	-56.97	-54.03	0.82	8.72	V
	2488	-48.31	-13	-35.31	-61.74	-55.89	1.05	10.78	V
	3312	-58.51	-13	-45.51	-74.65	-67.15	1.10	11.89	V
									V
									V
									V
Middle	1640	-55.47	-13	-42.47	-64.16	-61.17	0.81	8.66	H
	2456	-41.41	-13	-28.41	-55.34	-48.96	1.04	10.74	H
	3280	-58.85	-13	-45.85	-74.32	-67.42	1.10	11.82	H
	4096	-53.50	-13	-40.50	-71.56	-62.64	1.39	12.68	H
									H
									H
									H
	1640	-50.16	-13	-37.16	-58.66	-55.86	0.81	8.66	V
	2456	-40.28	-13	-27.28	-53.8	-47.83	1.04	10.74	V
	3280	-58.21	-13	-45.21	-74.13	-66.78	1.10	11.82	V
	4096	-53.34	-13	-40.34	-72.55	-62.48	1.39	12.68	V
									V
									V
									V
									V



Highest	1640	-54.12	-13	-41.12	-63.3	-59.82	0.81	8.66	H
	2464	-42.57	-13	-29.57	-56.43	-50.13	1.04	10.75	H
	3280	-58.15	-13	-45.15	-74.18	-66.72	1.10	11.82	H
									H
									H
									H
									H
	1640	-50.88	-13	-37.88	-59.52	-56.58	0.81	8.66	V
	2464	-40.61	-13	-27.61	-54.66	-48.17	1.04	10.75	V
	3280	-58.67	-13	-45.67	-74.24	-67.24	1.10	11.82	V
									V
									V
									V
									V



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-51.39	-13	-38.39	-59.77	-57.14	0.82	8.72	H
	2488	-52.46	-13	-39.46	-66	-60.04	1.05	10.78	H
	3312	-58.51	-13	-45.51	-74.44	-67.15	1.10	11.89	H
									H
									H
									H
									H
	1656	-48.28	-13	-35.28	-56.97	-54.03	0.82	8.72	V
	2488	-48.31	-13	-35.31	-61.74	-55.89	1.05	10.78	V
	3312	-58.51	-13	-45.51	-74.65	-67.15	1.10	11.89	V
									V
									V
									V
									V

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

—————THE END—————