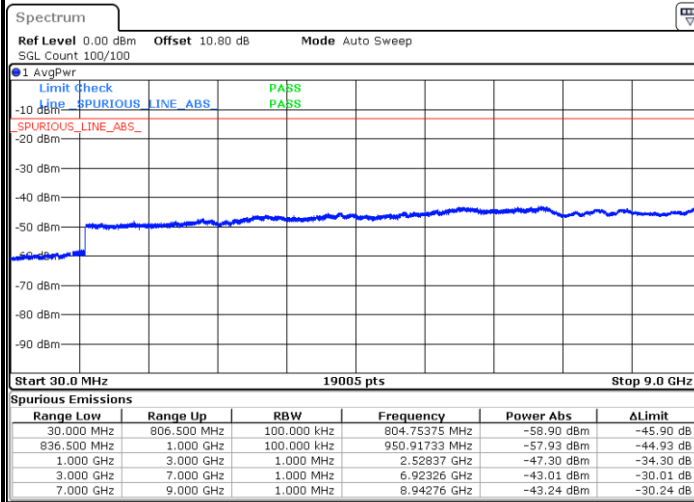




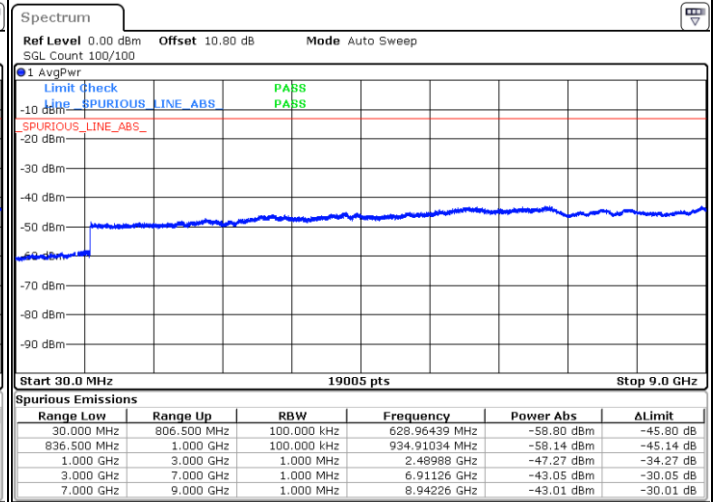
LTE Band 26 / 3MHz

Middle Channel / QPSK



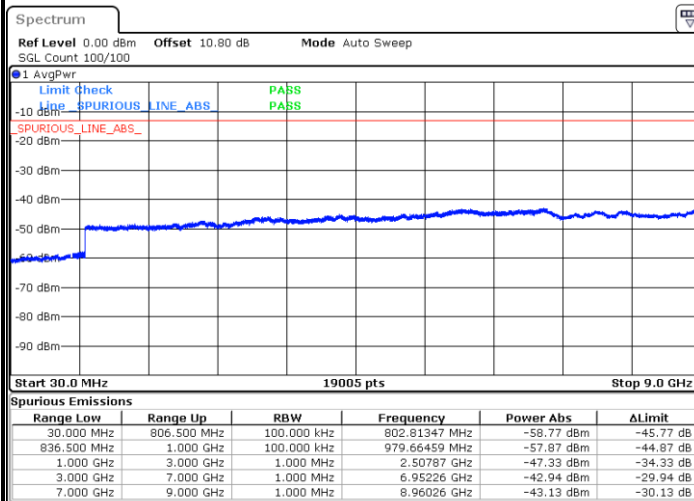
Date: 18.JUL.2020 20:47:11

Middle Channel / 16QAM



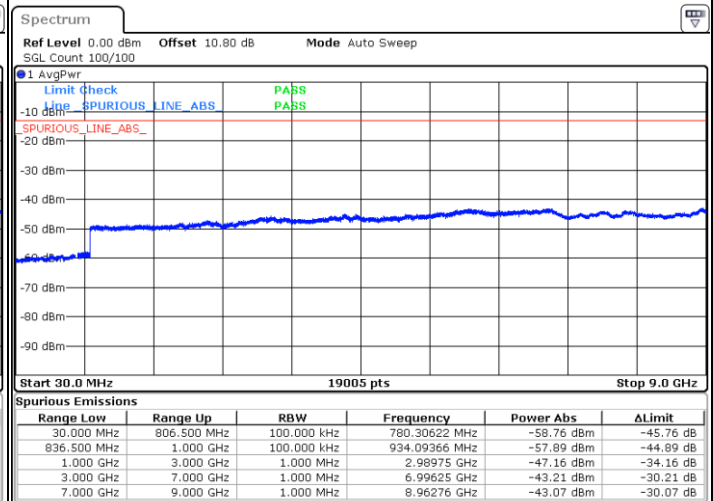
Date: 18.JUL.2020 20:47:49

Highest Channel / QPSK



Date: 18.JUL.2020 22:05:43

Highest Channel / 16QAM

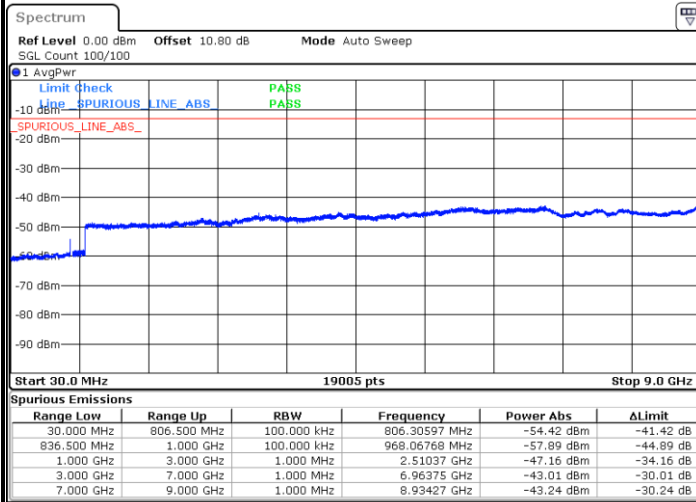


Date: 18.JUL.2020 22:07:18



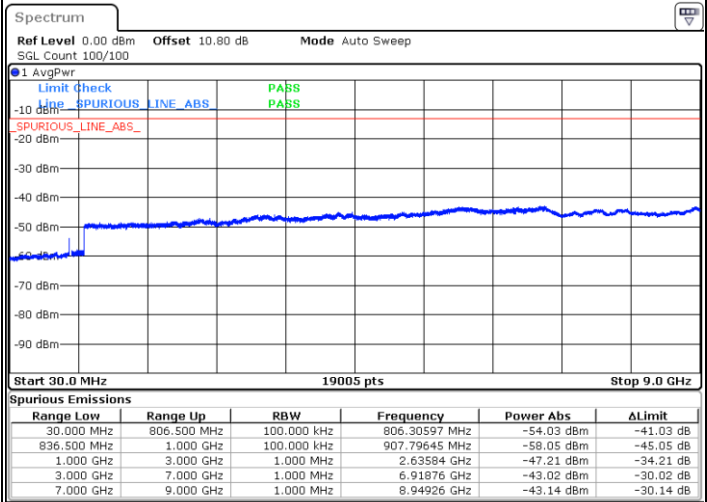
LTE Band 26 / 5MHz

Lowest Channel / QPSK



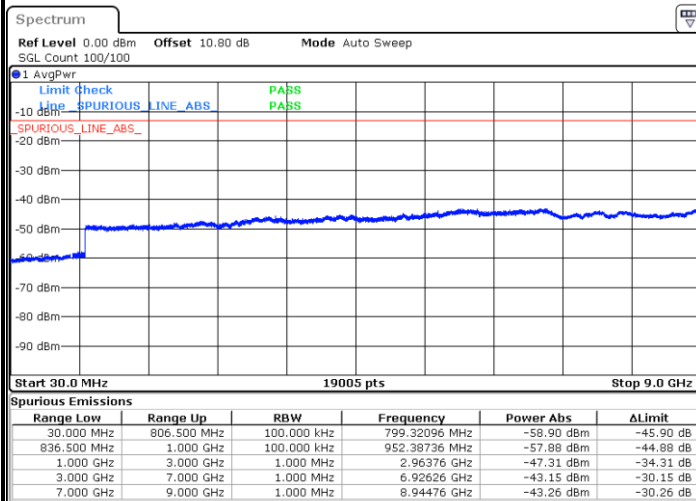
Date: 18.JUL.2020 22:11:57

Lowest Channel / 16QAM



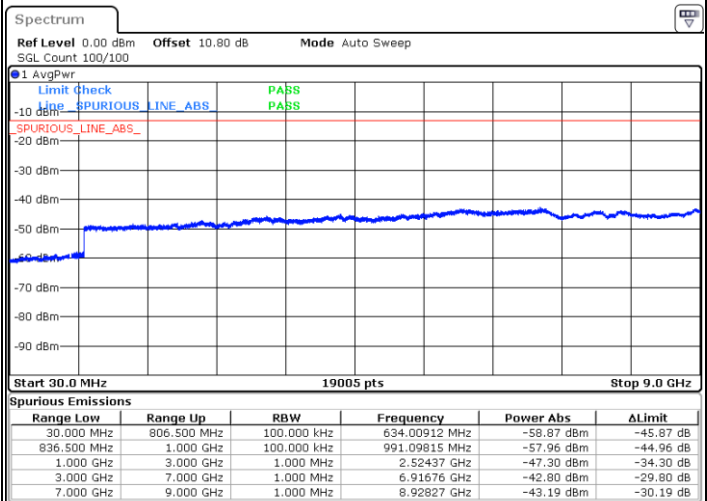
Date: 18.JUL.2020 22:12:34

Middle Channel / QPSK



Date: 18.JUL.2020 22:10:09

Middle Channel / 16QAM

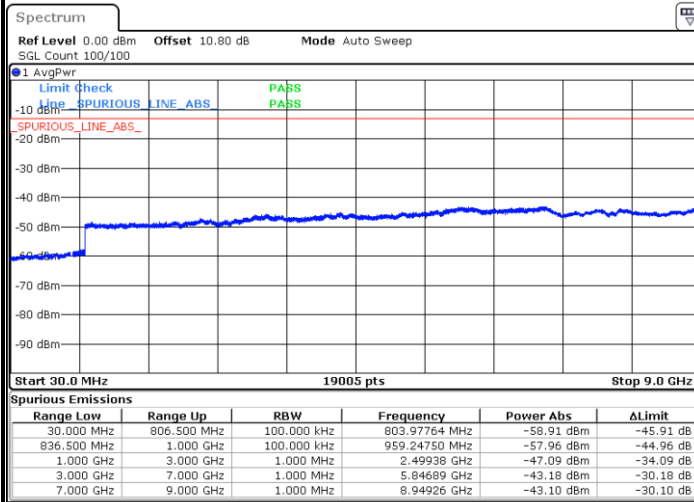


Date: 18.JUL.2020 22:14:11



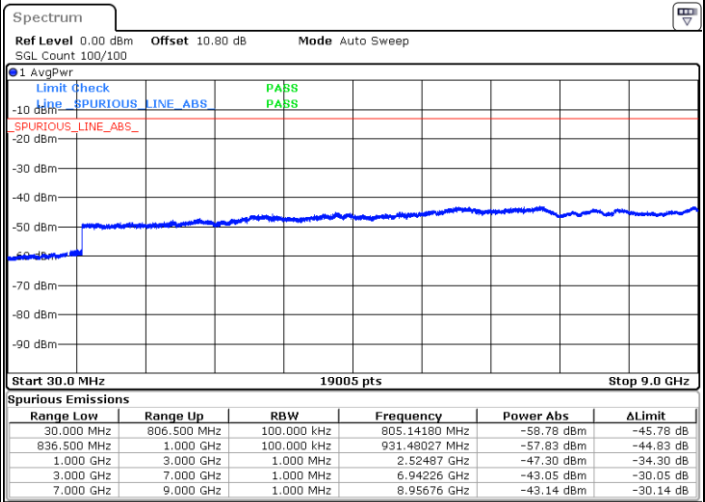
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 18.JUL.2020 22:16:13

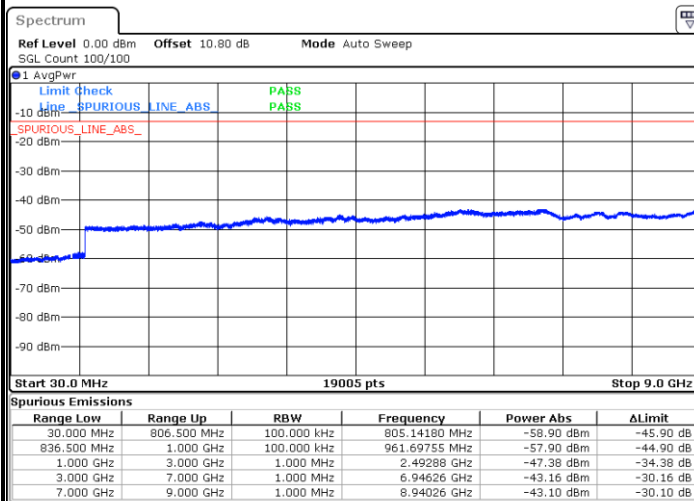
Highest Channel / 16QAM



Date: 18.JUL.2020 22:17:50

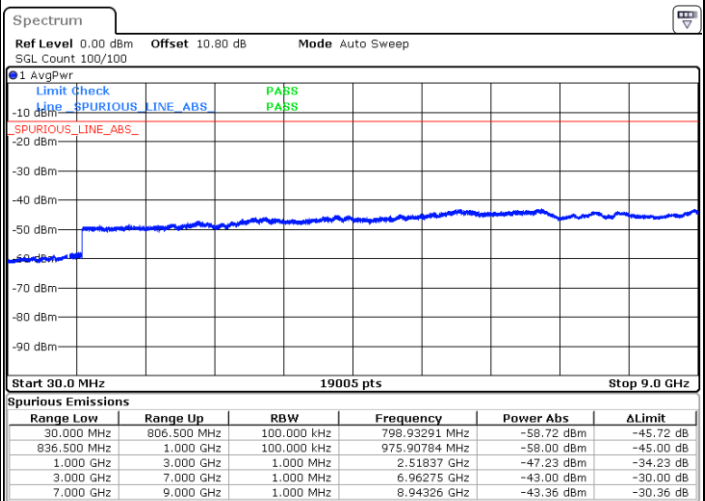
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 18.JUL.2020 22:21:34

Middle Channel / 16QAM

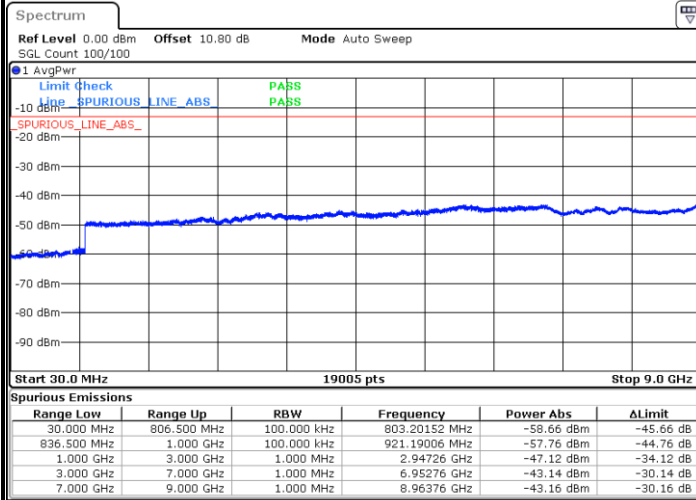


Date: 18.JUL.2020 22:22:36



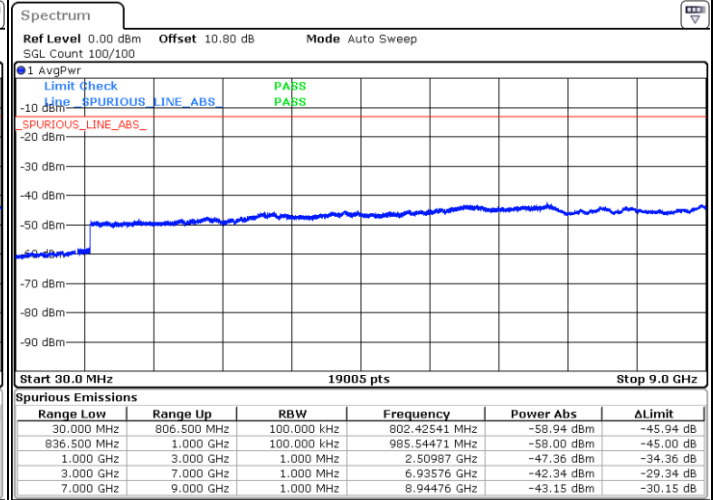
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 18.JUL.2020 22:28:25

Lowest Channel / 16QAM



Date: 18.JUL.2020 22:31:10

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	0.0109	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0164	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0089	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0053	

Note:

1. Normal Voltage =3.6 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =3.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = 0.59 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.39	0.1734	20.83	0.1211
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	3	3	22.34	0.1714	20.78	0.1197
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****LTE CAT M1 Band 26**

LTE CAT M1 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	-30.99	-13	-17.99	-43.93	-36.32	1.22	8.70	H
	2440	-34.95	-13	-21.95	-51.85	-41.82	1.43	10.45	H
	3256	-39.21	-13	-26.21	-58.05	-47.06	1.67	11.67	H
	4072	-38.07	-13	-25.07	-58.49	-45.91	2.11	12.10	H
	4888	-48.50	-13	-35.50	-71.3	-56.18	2.27	12.10	H
	5704	-50.52	-13	-37.52	-74.43	-58.75	2.11	12.49	H
	1632	-29.83	-13	-16.83	-42.63	-35.16	1.22	8.70	V
	2440	-32.60	-13	-19.60	-49.91	-39.47	1.43	10.45	V
	3256	-38.16	-13	-25.16	-57.28	-46.01	1.67	11.67	V
	4072	-40.78	-13	-27.78	-61.72	-48.62	2.11	12.10	V
	4888	-47.88	-13	-34.88	-71.3	-55.56	2.27	12.10	V
	5704	-51.02	-13	-38.02	-75.5	-59.25	2.11	12.49	V
Middle	1632	-29.47	-13	-16.47	-42.41	-34.80	1.22	8.70	H
	2448	-35.11	-13	-22.11	-51.99	-41.99	1.43	10.46	H
	3264	-37.92	-13	-24.92	-56.71	-45.79	1.68	11.69	H
	4088	-41.84	-13	-28.84	-62.25	-49.69	2.10	12.10	H
	4904	-48.20	-13	-35.20	-71.05	-55.86	2.29	12.10	H
									H
	1632	-31.42	-13	-18.42	-44.22	-36.75	1.22	8.70	V
	2448	-32.94	-13	-19.94	-50.2	-39.82	1.43	10.46	V
	3264	-39.62	-13	-26.62	-58.71	-47.49	1.68	11.69	V
	4088	-45.30	-13	-32.30	-66.25	-53.15	2.10	12.10	V
	4904	-46.91	-13	-33.91	-70.37	-54.57	2.29	12.10	V
									V



Highest	1640	-28.00	-13	-15.00	-40.96	-33.36	1.22	8.73	H
	2456	-36.28	-13	-23.28	-53.14	-43.16	1.43	10.46	H
	3280	-39.85	-13	-26.85	-58.54	-47.75	1.69	11.74	H
	4096	-44.38	-13	-31.38	-64.78	-52.23	2.10	12.10	H
	4920	-47.36	-13	-34.36	-70.25	-55.01	2.30	12.10	H
									H
									H
	1640	-33.67	-13	-20.67	-46.5	-39.03	1.22	8.73	V
	2456	-33.64	-13	-20.64	-50.85	-40.52	1.43	10.46	V
	3280	-40.91	-13	-27.91	-59.95	-48.81	1.69	11.74	V
	4096	-43.93	-13	-30.93	-64.88	-51.78	2.10	12.10	V
	4920	-45.48	-13	-32.48	-68.99	-53.13	2.30	12.10	V
									V
									V

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



LTE CAT M1 Band 26 / 10MHz / 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)
Middle	1632	-27.25	-13	-14.25	-40.19	-32.58	1.22	8.70	H
	2448	-35.06	-13	-22.06	-51.94	-41.94	1.43	10.46	H
	3256	-37.01	-13	-24.01	-55.85	-44.86	1.67	11.67	H
	4072	-40.04	-13	-27.04	-60.46	-47.88	2.11	12.10	H
	4888	-48.39	-13	-35.39	-71.19	-56.07	2.27	12.10	H
									H
									H
	1632	-33.29	-13	-20.29	-46.09	-38.62	1.22	8.70	V
	2448	-29.59	-13	-16.59	-46.85	-36.47	1.43	10.46	V
	3256	-36.40	-13	-23.40	-55.52	-44.25	1.67	11.67	V
	4072	-41.18	-13	-28.18	-62.12	-49.02	2.11	12.10	V
	4888	-46.34	-13	-33.34	-69.76	-54.02	2.27	12.10	V
									V
									V

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



LTE CAT M1 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	1632	-28.47	-13	-15.47	-41.41	-33.80	1.22	8.70	H
	2448	-35.16	-13	-22.16	-52.04	-42.04	1.43	10.46	H
	3264	-36.57	-13	-23.57	-55.36	-44.44	1.68	11.69	H
	4072	-40.17	-13	-27.17	-60.59	-48.01	2.11	12.10	H
	4888	-46.43	-13	-33.43	-69.03	-54.11	2.27	12.10	H
									H
									H
	1632	-32.79	-13	-19.79	-45.59	-38.12	1.22	8.70	V
	2448	-30.93	-13	-17.93	-48.19	-37.81	1.43	10.46	V
	3264	-37.49	-13	-24.49	-56.58	-45.36	1.68	11.69	V
	4072	-40.44	-13	-27.44	-61.38	-48.28	2.11	12.10	V
	4888	-46.19	-13	-33.19	-69.61	-53.87	2.27	12.10	V
									V
									V

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