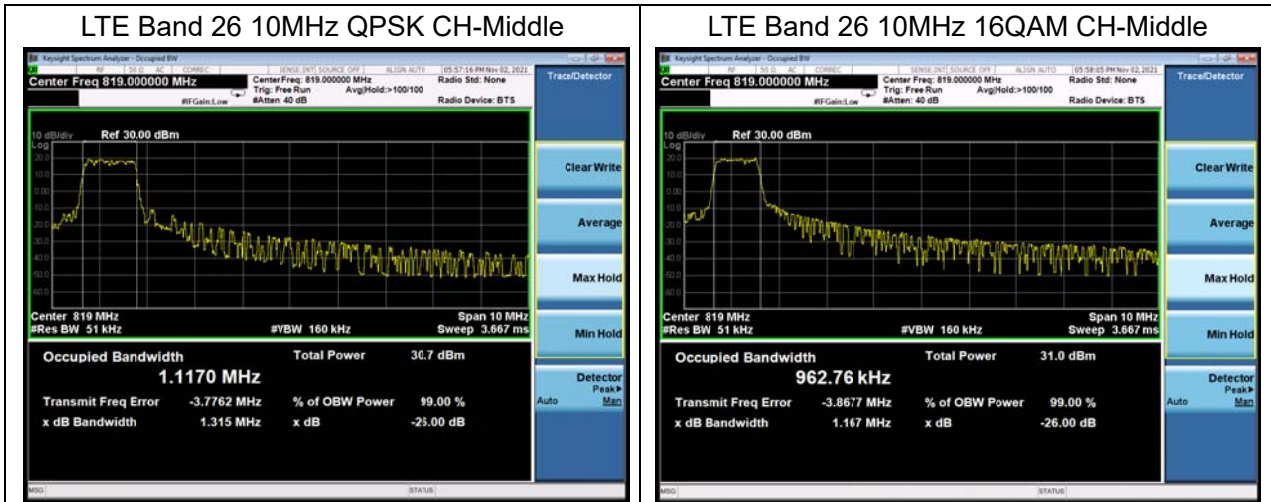


RF Power Output and Effective Radiated Power

LTE Band 26	Channel/ Frequency(MHz)	Index	RB# RBstart QPSK	RB# RBstart 16QAM	Conducted Power (dBm)	
					QPSK	16QAM
1.4MHz	26697/814.7	0	1#0	1#0	23.31	22.41
		0	6#0	5#0	21.28	21.38
	26740/819	0	1#0	1#0	23.25	22.31
		0	6#0	5#0	21.27	21.43
	26783/823.3	0	1#5	1#5	23.21	22.36
		0	6#0	5#0	21.26	21.37
3MHz	26705/815.5	0	1#0	1#0	23.43	22.47
		0	6#0	5#0	21.27	21.36
	26740/819	0	1#0	1#0	23.51	22.28
		0	6#0	5#0	21.30	21.21
	26775/822.5	1	1#5	1#5	23.27	22.33
		1	6#0	5#0	21.25	21.35
5MHz	26715/816.5	3	1#0	1#0	23.37	22.91
		0	6#0	5#0	22.19	21.43
	26740/819	0	1#0	1#0	23.52	23.22
		0	6#0	5#0	22.18	21.24
	26765/821.5	0	1#5	1#5	23.15	22.84
		3	6#0	5#0	22.26	21.41
10MHz	26740/819	0	1#0	1#0	23.55	23.26
		0	4#0	4#0	23.17	22.21

Occupied Bandwidth

Mode	Bandwidth	Modulation	Channel/ Frequency(MHz)	RB	Index	Bandwidth(MHz)	
						99% Power	-26dBc
Band26	10MHz	QPSK	26740/819	6#0	0	1.117	1.315
		16QAM	26740/819	6#0	0	0.96276	1.167



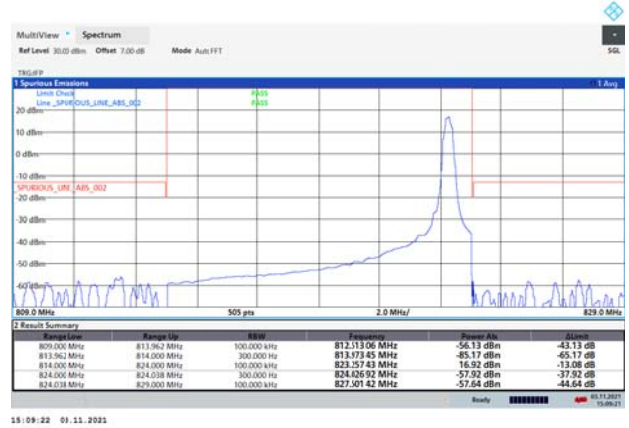
Band Edge Compliance

LTE Band 26 10MHz QPSK 1RB CH-Low



15:04:16 03.11.2021

LTE Band 26 10MHz QPSK 1RB CH-High



15:09:22 03.11.2021

LTE Band 26 10MHz QPSK 100%RB CH-Low



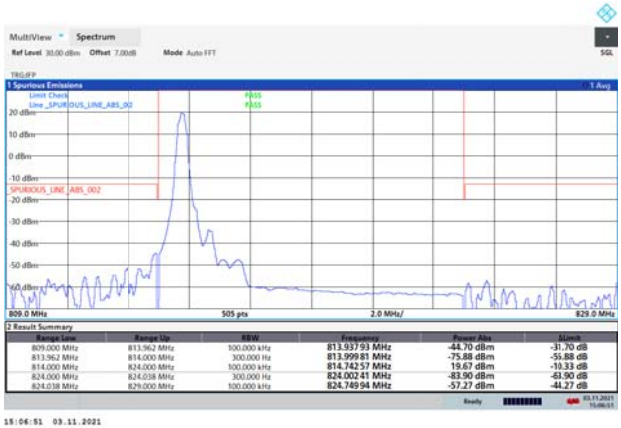
15:07:46 03.11.2021

LTE Band 26 10MHz QPSK 100%RB CH-High



15:12:28 03.11.2021

LTE Band 26 10MHz 16QAM 1RB CH-Low



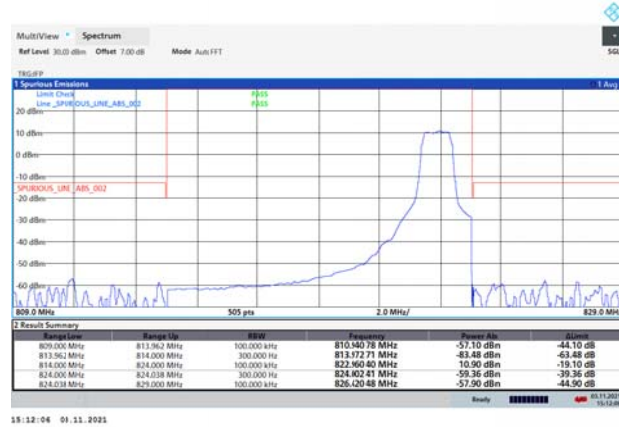
LTE Band 26 10MHz 16QAM 1RB CH-High



LTE Band 26 10MHz 16QAM 100%RB CH-Low



LTE Band 26 10MHz 16QAM 100%RB CH-High



Peak-to-Average Power Ratio (PAPR)

Mode	Bandwidth	Modulation	Channel/ Frequency(MHz)	Peak-to-Average Power Ratio (PAPR)		
				Peak(dBm)	Avg(dBm)	PAPR(dB)
Band26	1.4MHz	QPSK	26740/819	25.39	16.32	9.07
		16QAM	26740/819	26.01	15.90	10.11
	3MHz	QPSK	26740/819	25.39	16.40	8.99
		16QAM	26740/819	26.04	15.86	10.18
	5MHz	QPSK	26740/819	26.14	16.91	9.23
		16QAM	26740/819	26.07	15.92	10.15
	10MHz	QPSK	26740/819	26.15	16.69	9.46
		16QAM	26740/819	26.74	16.95	9.79

Frequency Stability

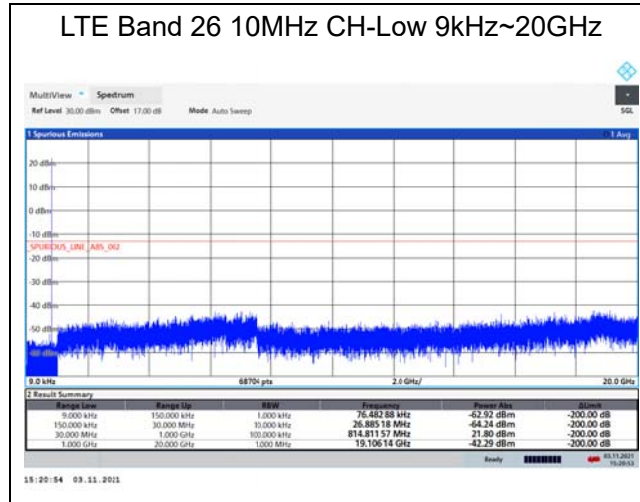
LTE Band 26						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	1.4MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	17.03	17.30	0.02079	0.02113	PASS
Extreme (85°C)		12.58	16.07	0.01536	0.01962	PASS
Extreme (80°C)		12.60	1.49	0.01538	0.00182	PASS
Extreme (70°C)		6.27	1.91	0.00766	0.00233	PASS
Extreme (60°C)		1.67	10.71	0.00204	0.01307	PASS
Extreme (50°C)		15.20	8.29	0.01856	0.01012	PASS
Extreme (40°C)		2.53	7.51	0.00309	0.00917	PASS
Extreme (30°C)		5.27	13.05	0.00644	0.01594	PASS
Extreme (20°C)		9.04	6.39	0.01103	0.00780	PASS
Extreme (10°C)		7.28	3.93	0.00889	0.00480	PASS
Extreme (0°C)		12.43	5.27	0.01518	0.00643	PASS
Extreme (-10°C)		15.84	4.31	0.01934	0.00526	PASS
Extreme (-20°C)		10.73	13.23	0.01311	0.01615	PASS
Extreme (-30°C)		17.37	1.92	0.02121	0.00234	PASS
Extreme (-40°C)		17.38	10.91	0.02122	0.01332	PASS
25°C	LV	7.90	10.85	0.00964	0.01325	PASS
	HV	6.37	7.01	0.00777	0.00856	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	3MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	9.15	17.97	0.01117	0.02194	PASS
Extreme (85°C)		15.56	9.20	0.01900	0.01123	PASS
Extreme (80°C)		5.08	2.40	0.00620	0.00293	PASS
Extreme (70°C)		12.35	9.80	0.01508	0.01196	PASS
Extreme (60°C)		1.30	4.06	0.00159	0.00496	PASS
Extreme (50°C)		16.87	17.32	0.02060	0.02115	PASS
Extreme (40°C)		4.15	7.92	0.00507	0.00967	PASS
Extreme (30°C)		13.95	6.95	0.01704	0.00849	PASS
Extreme (20°C)		10.75	12.56	0.01313	0.01534	PASS
Extreme (10°C)		1.45	8.36	0.00177	0.01020	PASS
Extreme (0°C)		8.33	14.61	0.01017	0.01784	PASS
Extreme (-10°C)		5.52	11.81	0.00674	0.01442	PASS

Extreme (-20℃)		3.38	8.61	0.00413	0.01051	PASS
Extreme (-30℃)		10.10	4.78	0.01234	0.00583	PASS
Extreme (-40℃)		16.46	15.55	0.02010	0.01899	PASS
25℃	LV	3.40	14.94	0.00415	0.01825	PASS
	HV	8.93	5.72	0.01091	0.00699	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25℃)	Normal	1.73	2.92	0.00211	0.00356	PASS
Extreme (85℃)		11.63	12.26	0.01420	0.01497	PASS
Extreme (80℃)		5.12	15.81	0.00625	0.01930	PASS
Extreme (70℃)		3.70	14.55	0.00452	0.01777	PASS
Extreme (60℃)		10.10	8.98	0.01234	0.01096	PASS
Extreme (50℃)		6.12	13.85	0.00748	0.01691	PASS
Extreme (40℃)		16.11	15.26	0.01968	0.01863	PASS
Extreme (30℃)		6.11	8.51	0.00746	0.01040	PASS
Extreme (20℃)		2.75	9.49	0.00336	0.01159	PASS
Extreme (10℃)		9.64	13.95	0.01177	0.01703	PASS
Extreme (0℃)		14.31	8.99	0.01747	0.01098	PASS
Extreme (-10℃)		1.58	1.63	0.00192	0.00200	PASS
Extreme (-20℃)		8.96	2.84	0.01094	0.00347	PASS
Extreme (-30℃)		16.66	17.38	0.02034	0.02122	PASS
Extreme (-40℃)		15.25	10.18	0.01862	0.01243	PASS
25℃	LV	4.23	12.01	0.00517	0.01467	PASS
	HV	15.04	17.12	0.01837	0.02090	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25℃)	Normal	12.01	11.14	0.01466	0.01360	PASS
Extreme (85℃)		3.52	12.29	0.00430	0.01500	PASS
Extreme (80℃)		1.59	4.49	0.00194	0.00548	PASS
Extreme (70℃)		16.87	14.59	0.02060	0.01782	PASS
Extreme (60℃)		10.87	12.29	0.01328	0.01500	PASS
Extreme (50℃)		15.56	14.33	0.01900	0.01749	PASS
Extreme (40℃)		4.55	1.39	0.00556	0.00170	PASS
Extreme (30℃)		10.74	11.86	0.01311	0.01448	PASS
Extreme (20℃)		8.34	13.54	0.01018	0.01654	PASS
Extreme (10℃)		8.33	14.53	0.01017	0.01775	PASS
Extreme (0℃)		8.28	12.21	0.01011	0.01491	PASS
Extreme (-10℃)		13.63	8.03	0.01664	0.00981	PASS



Extreme (-20℃)		2.34	6.55	0.00286	0.00800	PASS
Extreme (-30℃)		2.87	11.22	0.00350	0.01369	PASS
Extreme (-40℃)		11.18	8.82	0.01365	0.01077	PASS
25℃	LV	1.08	10.92	0.00132	0.01333	PASS
	HV	12.72	17.42	0.01554	0.02128	PASS

Spurious Emissions at Antenna Terminals



Radiates Spurious Emission

LTE Band 26 5MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1638.0	-53.10	2.00	10.75	Horizontal	-46.50	-13.00	33.50	45
3	2457.0	-55.81	2.51	11.05	Horizontal	-49.42	-13.00	36.42	135
4	3269.6	-61.28	4.20	11.15	Horizontal	-56.48	-13.00	43.48	225
5	4086.0	-60.40	5.20	11.15	Horizontal	-56.60	-13.00	43.60	45
6	4903.0	-59.74	5.50	11.95	Horizontal	-55.44	-13.00	42.44	90
7	5720.0	-60.50	5.70	13.55	Horizontal	-54.80	-13.00	41.80	90
8	6538.0	-58.28	6.30	13.75	Horizontal	-52.98	-13.00	39.98	45
9	7355.0	-54.46	6.80	13.85	Horizontal	-49.56	-13.00	36.56	45
10	8172.5	-53.52	6.90	14.25	Horizontal	-48.32	-13.00	35.32	90

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.

Main Test Instruments

Date of Testing (variant): September 2, 2021 ~ November 5, 2021

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMW500	113824	2021-05-15	2022-05-14
Climate Chamber	Weiss	VT4002	58226119450010	2021-05-15	2022-05-14
Spectrum Analyzer	Key sight	N9020	MY52330084	2021-05-15	2022-05-14
Signal Analyzer	R&S	FSV3030	101411	2020-12-13	2021-12-12
Signal Analyzer	R&S	FSV30	100815	2020-12-13	2021-12-12
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	01111	2019--9-12	2022-09-11
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2021-12-16