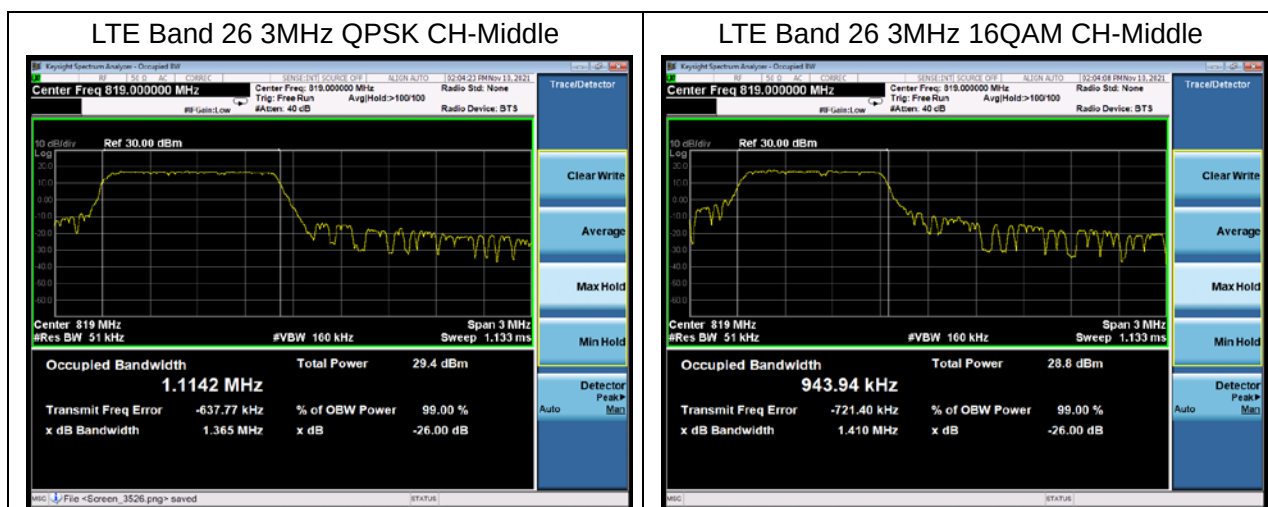


RF Power Output and Effective Radiated Power

Band26	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	22.92	22.07
		0	6#0	5#0	20.77	20.96
	26740/819	0	1#0	1#0	22.98	22.14
		0	6#0	5#0	20.91	21.01
	26783/823.3	0	1#5	1#5	23.05	21.84
		0	6#0	5#0	20.82	20.93
3MHz	26705/815.5	0	1#0	1#0	22.93	22.03
		0	6#0	5#0	20.83	20.92
	26740/819	0	1#0	1#0	23.21	21.94
		0	6#0	5#0	20.89	20.90
	26775/822.5	1	1#5	1#5	22.94	22.03
		1	6#0	5#0	20.91	21.01
5MHz	26715/816.5	3	1#0	1#0	22.94	22.33
		0	6#0	5#0	21.88	21.04
	26740/819	0	1#0	1#0	22.95	22.82
		0	6#0	5#0	21.72	20.84
	26765/821.5	0	1#5	1#5	22.78	22.44
		3	6#0	5#0	21.86	21.17
10MHz	26740/819	0	1#0	1#0	23.15	22.82
		0	4#0	4#0	22.79	21.74

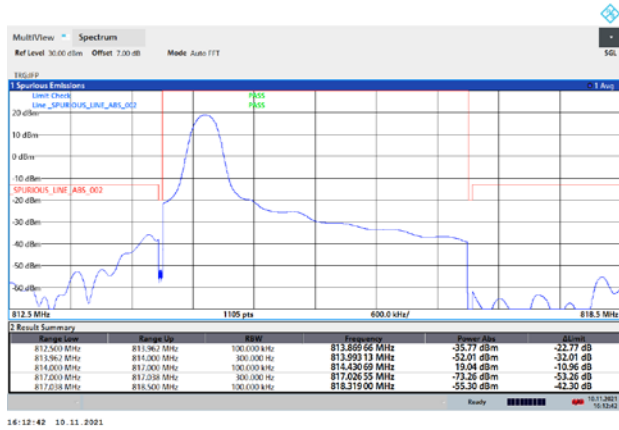
Occupied Bandwidth

Mode	Bandwidth	Modulation	Channel/ Frequency(MHz)	RB	Index	Bandwidth(MHz)	
						99% Power	-26dBc
Band 26	3MHz	QPSK	26740/819	6#0	0	1.114	1.365
		16QAM	26740/819	6#0	0	0.944	1.410

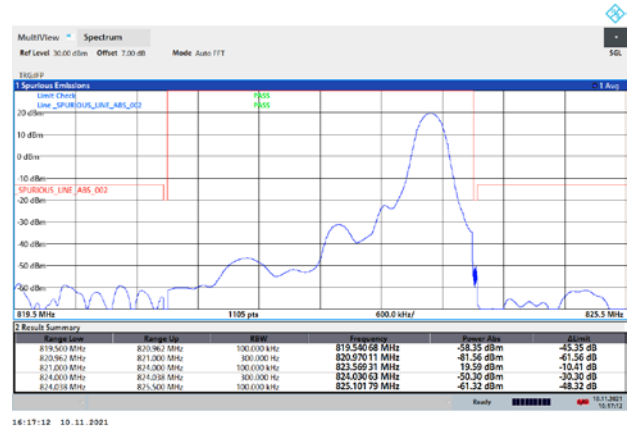


Band Edge Compliance

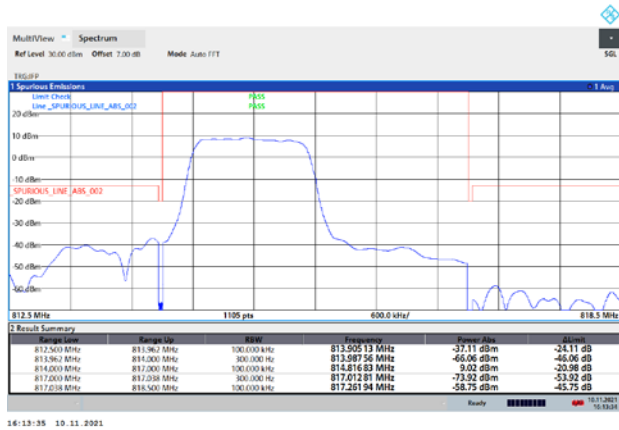
LTE Band 26 5MHz QPSK 1RB CH-Low



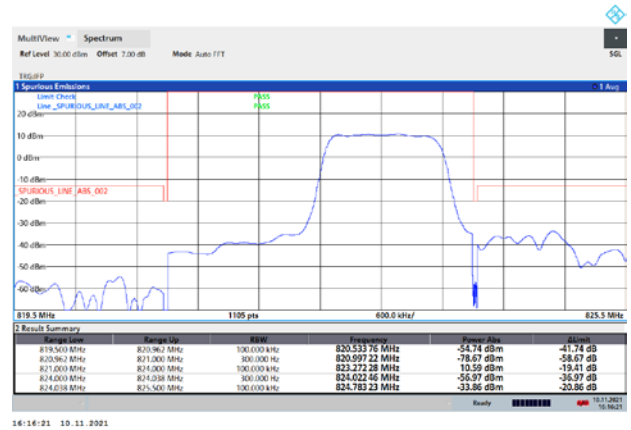
LTE Band 26 5MHz QPSK 1RB CH-High



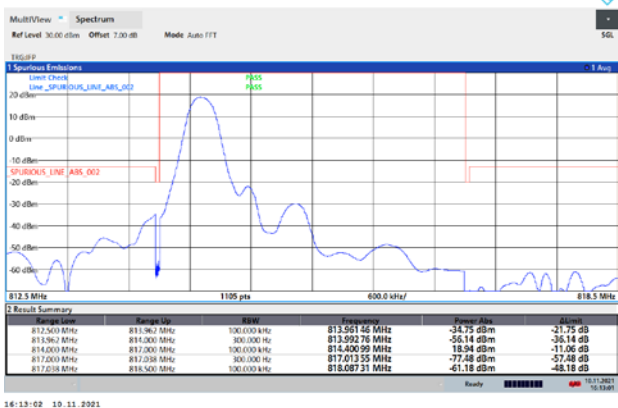
LTE Band 26 5MHz QPSK 100%RB CH-Low



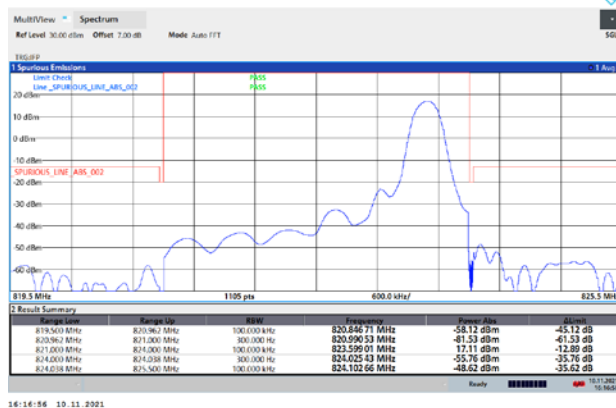
LTE Band 26 5MHz QPSK 100%RB CH-High



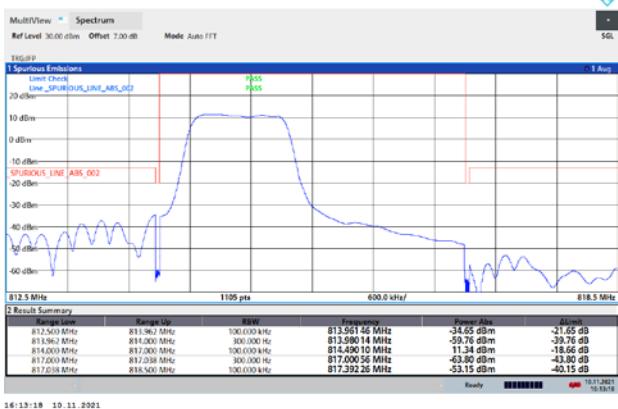
LTE Band 26 5MHz 16QAM 1RB CH-Low



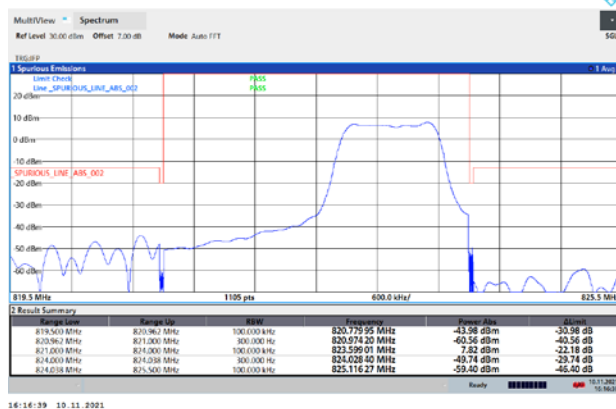
LTE Band 26 5MHz 16QAM 1RB CH-High



LTE Band 26 5MHz 16QAM 100%RB CH-Low



LTE Band 26 5MHz 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	25.38	15.50	9.88
		16QAM	26740/819	26.15	15.25	10.90
	3MHz	QPSK	26740/819	25.32	14.83	10.49
		16QAM	26740/819	26.10	14.15	11.95
	5MHz	QPSK	26740/819	26.29	16.41	9.88
		16QAM	26740/819	26.17	15.60	10.57
	10MHz	QPSK	26740/819	26.26	16.54	9.72
		16QAM	26740/819	27.19	16.82	10.37

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℃)	Normal	13.71	13.87	0.01674	0.01694	PASS
Extreme (85℃)		13.51	16.45	0.01650	0.02008	PASS
Extreme (80℃)		10.90	7.87	0.01331	0.00960	PASS
Extreme (70℃)		14.11	11.66	0.01723	0.01424	PASS
Extreme (60℃)		6.26	5.64	0.00764	0.00689	PASS
Extreme (55℃)		2.89	6.92	0.00353	0.00845	PASS
Extreme (50℃)		1.97	8.08	0.00240	0.00987	PASS
Extreme (40℃)		4.20	3.12	0.00512	0.00381	PASS
Extreme (30℃)		2.22	4.50	0.00271	0.00549	PASS
Extreme (20℃)		2.77	11.24	0.00338	0.01372	PASS
Extreme (10℃)		15.91	12.96	0.01943	0.01583	PASS
Extreme (0℃)		16.77	13.03	0.02048	0.01591	PASS
Extreme (-10℃)		8.14	2.96	0.00994	0.00361	PASS
Extreme (-20℃)		6.41	17.71	0.00783	0.02162	PASS
Extreme (-30℃)		7.62	12.50	0.00931	0.01526	PASS
Extreme (-40℃)		6.25	5.25	0.00763	0.00641	PASS
25℃	LV	4.45	2.40	0.00543	0.00292	PASS
	HV	12.30	10.13	0.01502	0.01236	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℃)	Normal	12.92	1.48	0.01578	0.00181	PASS
Extreme (85℃)		15.16	17.46	0.01851	0.02132	PASS
Extreme (80℃)		6.59	11.99	0.00805	0.01464	PASS
Extreme (70℃)		17.94	1.99	0.02191	0.00243	PASS
Extreme (60℃)		16.00	10.00	0.01954	0.01221	PASS
Extreme (55℃)		17.00	13.00	0.02076	0.01587	PASS
Extreme (50℃)		12.00	11.00	0.01465	0.01343	PASS
Extreme (40℃)		5.00	12.00	0.00611	0.01465	PASS
Extreme (30℃)		10.00	7.00	0.01221	0.00855	PASS
Extreme (20℃)		16.69	12.72	0.02038	0.01553	PASS
Extreme (10℃)		2.16	13.45	0.00264	0.01642	PASS
Extreme (0℃)		14.43	16.90	0.01762	0.02063	PASS
Extreme (-10℃)		10.70	12.37	0.01306	0.01511	PASS

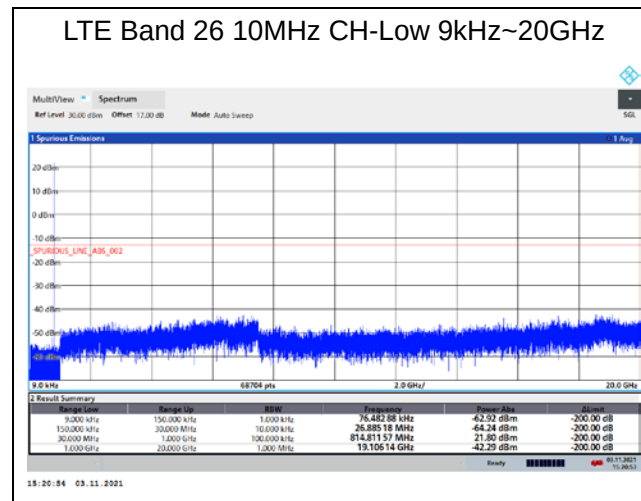


Extreme (-20℃)		4.64	17.08	0.00567	0.02086	PASS
Extreme (-30℃)		14.38	3.11	0.01756	0.00380	PASS
Extreme (-40℃)		8.28	9.47	0.01010	0.01157	PASS
25℃	LV	11.28	9.86	0.01378	0.01204	PASS
	HV	14.70	6.83	0.01795	0.00834	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage					
Normal (25℃)	Normal	17.09	13.17	0.02087	0.01608	PASS
Extreme (85℃)		15.94	17.85	0.01946	0.02180	PASS
Extreme (80℃)		1.84	17.56	0.00225	0.02144	PASS
Extreme (70℃)		14.30	11.51	0.01746	0.01406	PASS
Extreme (60℃)		1.00	17.00	0.00122	0.02076	PASS
Extreme (55℃)		1.00	8.00	0.00122	0.00977	PASS
Extreme (50℃)		17.00	2.00	0.02076	0.00244	PASS
Extreme (40℃)		15.00	7.00	0.01832	0.00855	PASS
Extreme (30℃)		11.00	4.00	0.01343	0.00488	PASS
Extreme (20℃)		2.49	13.58	0.00304	0.01658	PASS
Extreme (10℃)		1.24	14.06	0.00151	0.01717	PASS
Extreme (0℃)		9.38	9.84	0.01145	0.01202	PASS
Extreme (-10℃)		14.57	14.94	0.01779	0.01824	PASS
Extreme (-20℃)		15.09	8.11	0.01842	0.00991	PASS
Extreme (-30℃)		9.36	4.72	0.01143	0.00576	PASS
Extreme (-40℃)		7.50	7.69	0.00916	0.00939	PASS
25℃	LV	6.29	6.94	0.00768	0.00848	PASS
	HV	15.98	10.62	0.01951	0.01297	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage					
Normal (25℃)	Normal	5.96	9.06	0.00728	0.01107	PASS
Extreme (85℃)		7.34	3.37	0.00897	0.00412	PASS
Extreme (80℃)		15.74	14.10	0.01921	0.01722	PASS
Extreme (70℃)		7.46	13.44	0.00910	0.01641	PASS
Extreme (60℃)		4.00	16.00	0.00488	0.01954	PASS
Extreme (55℃)		5.00	14.00	0.00611	0.01709	PASS
Extreme (50℃)		6.00	10.00	0.00733	0.01221	PASS
Extreme (40℃)		12.00	8.00	0.01465	0.00977	PASS
Extreme (30℃)		6.00	12.00	0.00733	0.01465	PASS
Extreme (20℃)		3.68	10.13	0.00449	0.01237	PASS
Extreme (10℃)		8.67	16.54	0.01058	0.02020	PASS



Extreme (0℃)		5.83	4.01	0.00712	0.00490	PASS
Extreme (-10℃)		9.19	15.74	0.01122	0.01922	PASS
Extreme (-20℃)		4.07	17.06	0.00497	0.02083	PASS
Extreme (-30℃)		3.44	2.79	0.00420	0.00341	PASS
Extreme (-40℃)		4.95	6.79	0.00604	0.00828	PASS
25℃	LV	8.73	17.95	0.01066	0.02192	PASS
	HV	7.38	6.83	0.00901	0.00834	PASS

Spurious Emissions at Antenna Terminals



Radiates Spurious Emission

LTE Band 26 1.4MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1637.0	-45.10	2.00	10.75	Horizontal	-38.50	-13.00	25.50	135
3	2455.5	-45.24	2.51	11.05	Horizontal	-38.85	-13.00	25.85	180
4	3276.0	-58.58	4.20	11.15	Horizontal	-53.78	-13.00	40.78	135
5	4095.0	-58.58	5.20	11.15	Horizontal	-54.78	-13.00	41.78	0
6	4914.0	-55.87	5.50	11.95	Horizontal	-51.57	-13.00	38.57	90
7	5733.0	-55.35	5.70	13.55	Horizontal	-49.65	-13.00	36.65	315
8	6552.0	-57.20	6.30	13.75	Horizontal	-51.90	-13.00	38.90	315
9	7371.0	-53.66	6.80	13.85	Horizontal	-48.76	-13.00	35.76	135
10	8190.0	-52.75	6.90	14.25	Horizontal	-47.55	-13.00	34.55	225

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.

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	-47.30	2.00	10.75	Horizontal	-40.70	-13.00	27.70	45
3	2457.0	-48.68	2.51	11.05	Horizontal	-42.29	-13.00	29.29	135
4	3269.6	-60.52	4.20	11.15	Horizontal	-55.72	-13.00	42.72	45
5	4086.0	-59.93	5.20	11.15	Horizontal	-56.13	-13.00	43.13	225
6	4903.0	-57.14	5.50	11.95	Horizontal	-52.84	-13.00	39.84	135
7	5720.0	-57.15	5.70	13.55	Horizontal	-51.45	-13.00	38.45	90
8	6538.0	-56.64	6.30	13.75	Horizontal	-51.34	-13.00	38.34	45
9	7355.0	-54.26	6.80	13.85	Horizontal	-49.36	-13.00	36.36	0
10	8172.5	-53.33	6.90	14.25	Horizontal	-48.13	-13.00	35.13	225

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.

LTE Band 26 10MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1629.3	-42.46	2.00	10.75	Horizontal	-35.86	-13.00	22.86	90
3	2444.1	-44.97	2.51	11.05	Horizontal	-38.58	-13.00	25.58	270
4	3259.0	-58.23	4.20	11.15	Horizontal	-53.43	-13.00	40.43	180
5	4070.0	-59.01	5.20	11.15	Horizontal	-55.21	-13.00	42.21	45
6	4884.0	-57.20	5.50	11.95	Horizontal	-52.90	-13.00	39.90	90
7	5698.0	-56.52	5.70	13.55	Horizontal	-50.82	-13.00	37.82	45
8	6512.0	-56.53	6.30	13.75	Horizontal	-51.23	-13.00	38.23	90
9	7326.0	-54.06	6.80	13.85	Horizontal	-49.16	-13.00	36.16	270
10	8140.0	-51.75	6.90	14.25	Horizontal	-46.55	-13.00	33.55	0

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): August 24, 2021 ~ November 25, 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
Software	R&S	EMC32	10.35.10	/	/