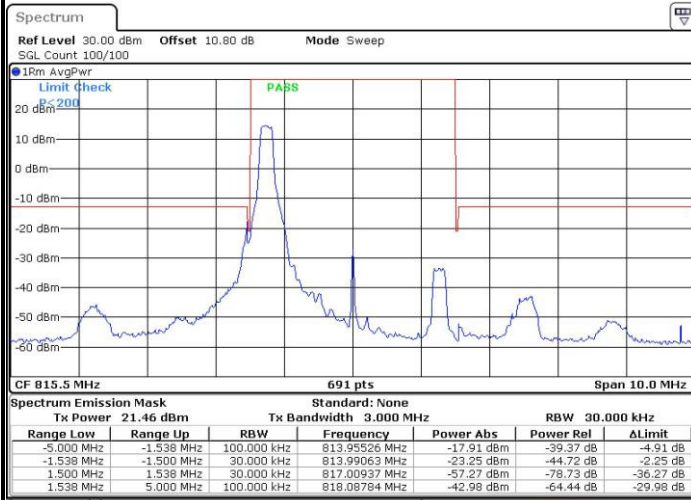


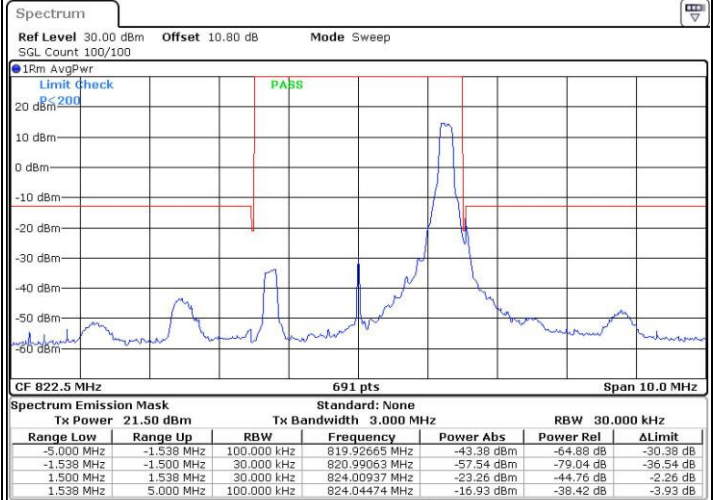


LTE Band 26 / 3MHz / 16QAM

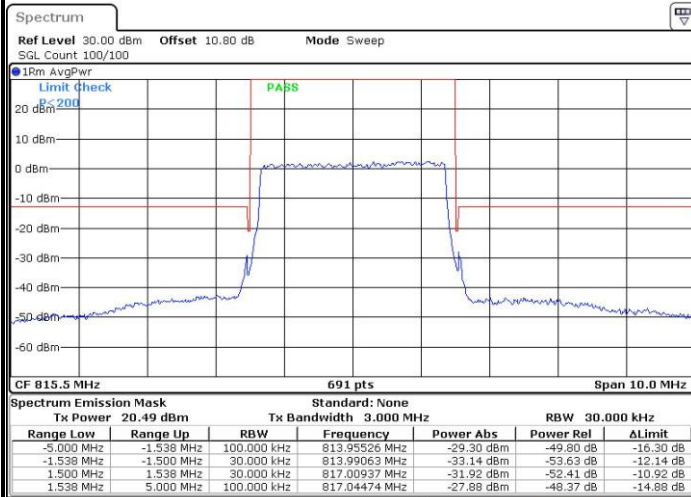
Lowest Band Edge / 1 RB



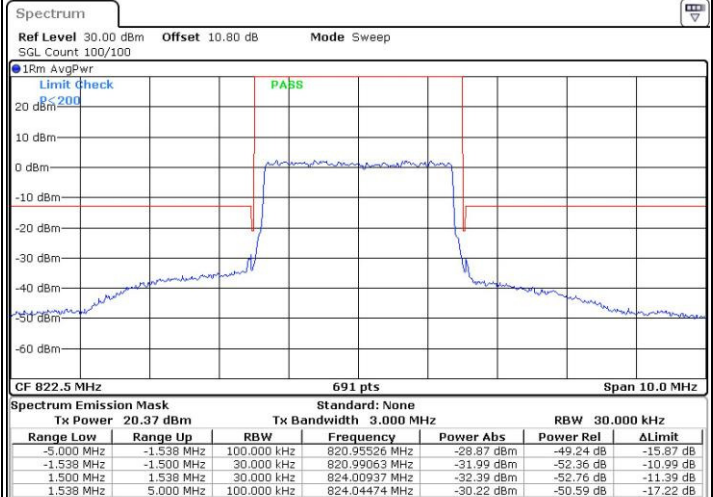
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



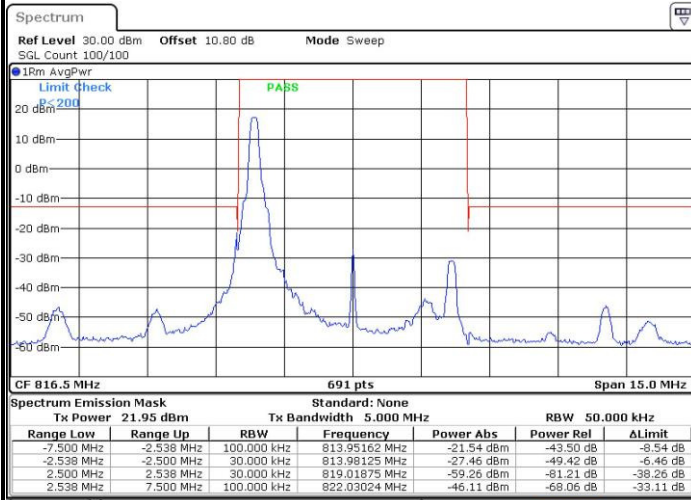
Highest Band Edge / Full RB



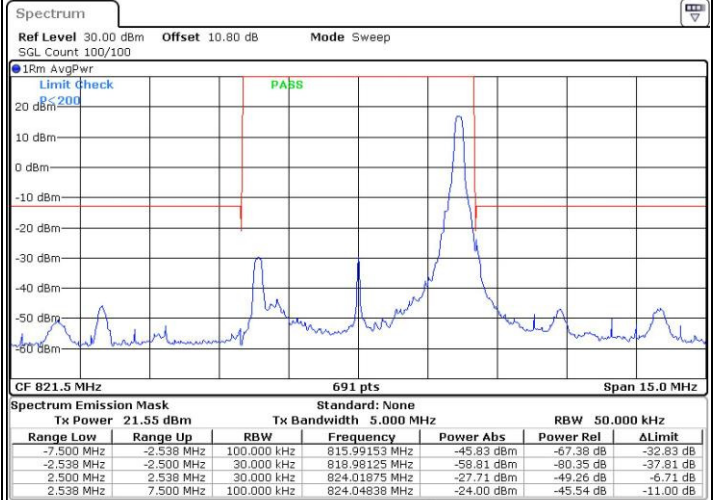


LTE Band 26 / 5MHz / QPSK

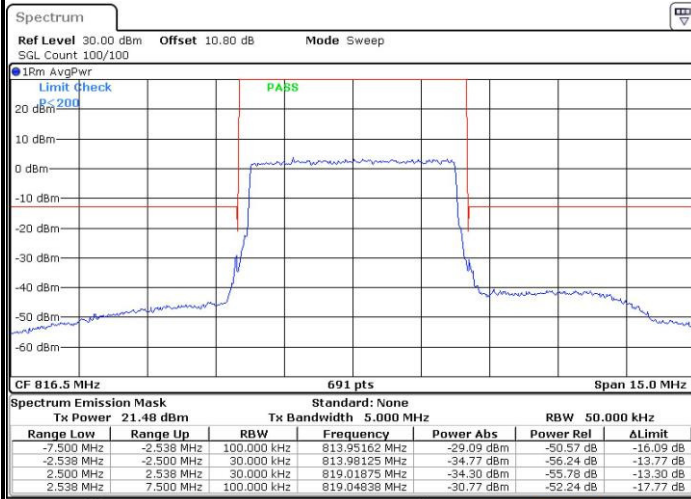
Lowest Band Edge / 1 RB



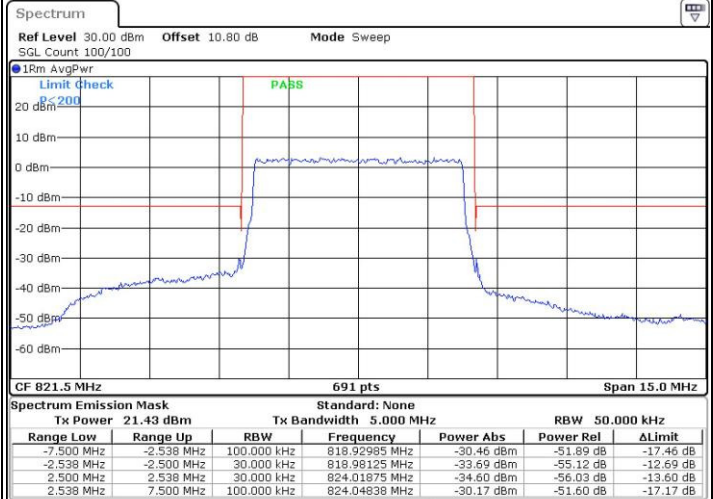
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



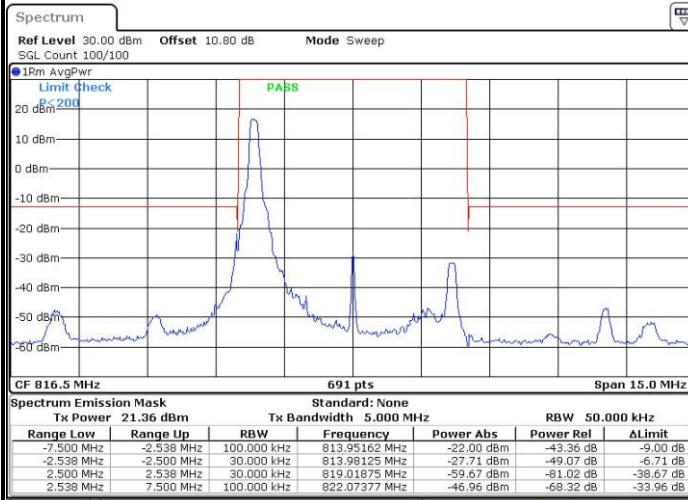
Highest Band Edge / Full RB



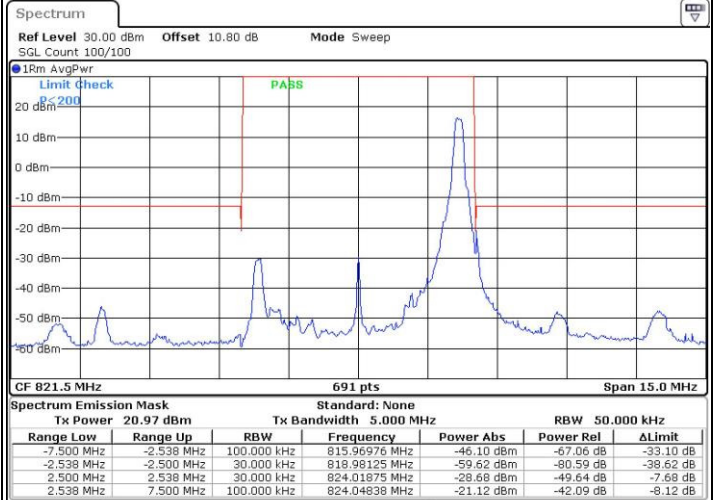


LTE Band 26 / 5MHz / 16QAM

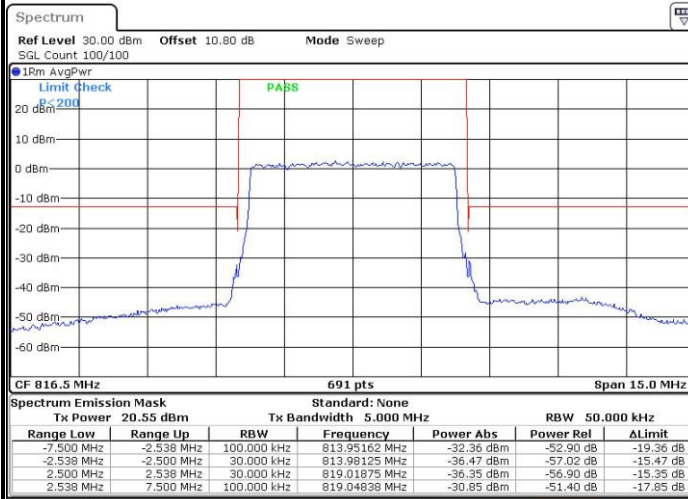
Lowest Band Edge / 1RB



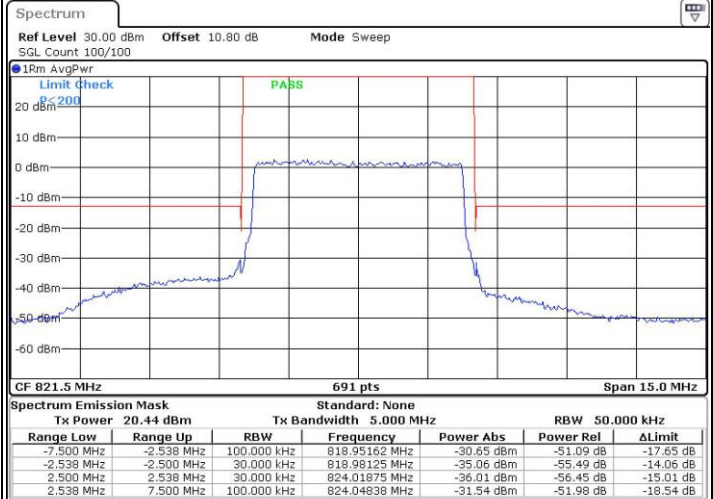
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



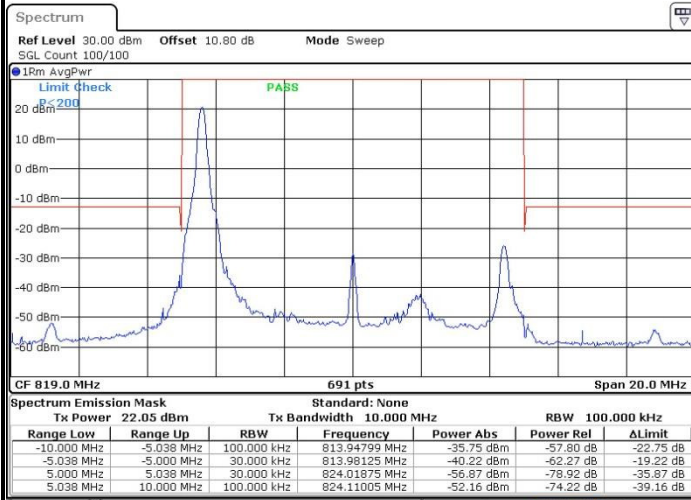
Highest Band Edge / Full RB





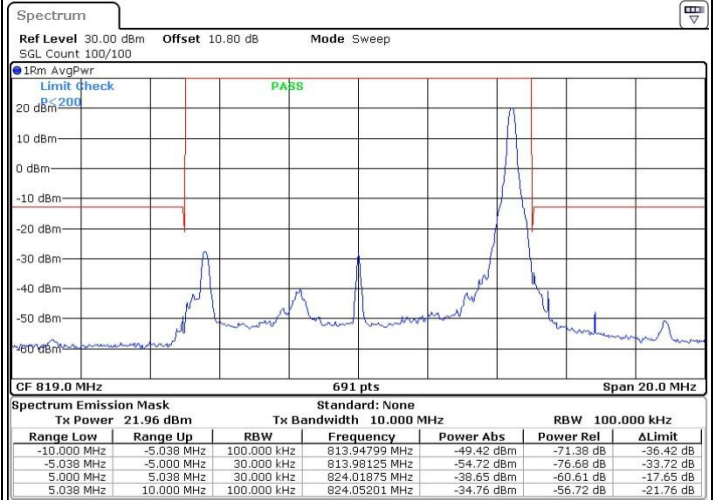
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



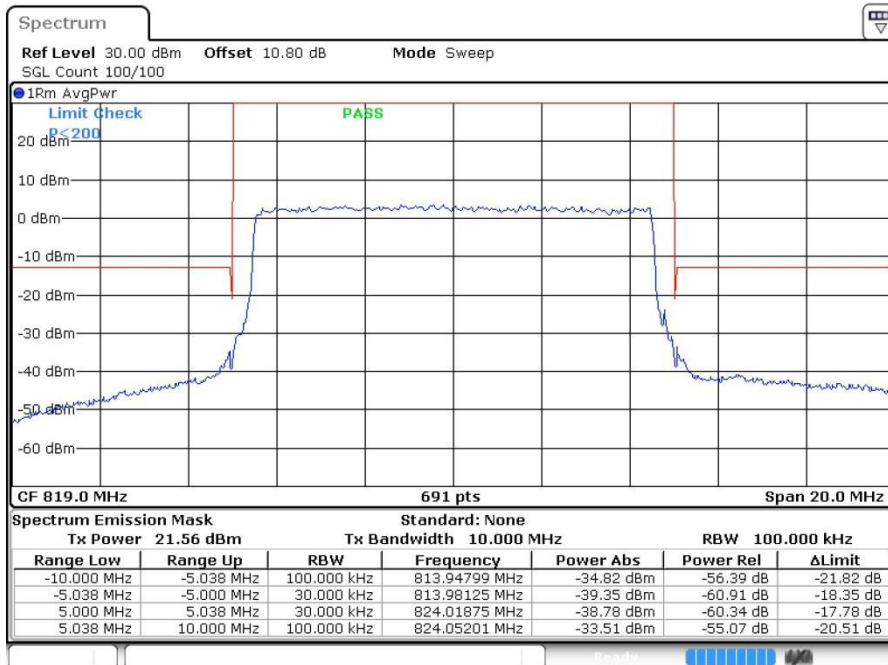
Date: 20.FEB.2017 21:28:39

Highest Band Edge / 1 RB



Date: 20.FEB.2017 21:30:58

Band Edge / Full RB

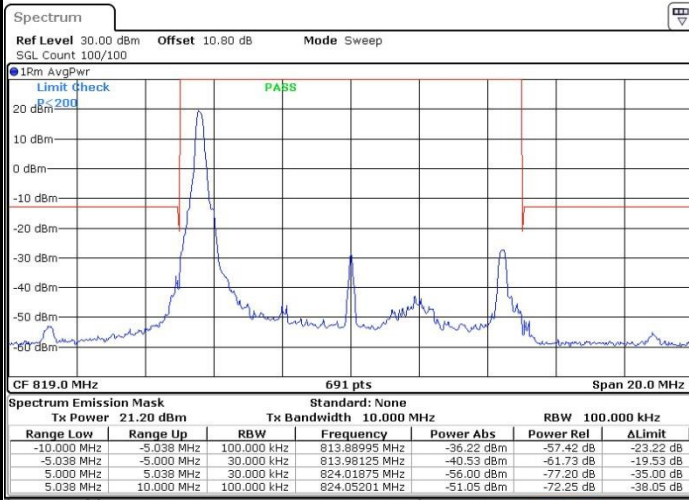


Date: 20.FEB.2017 21:33:16



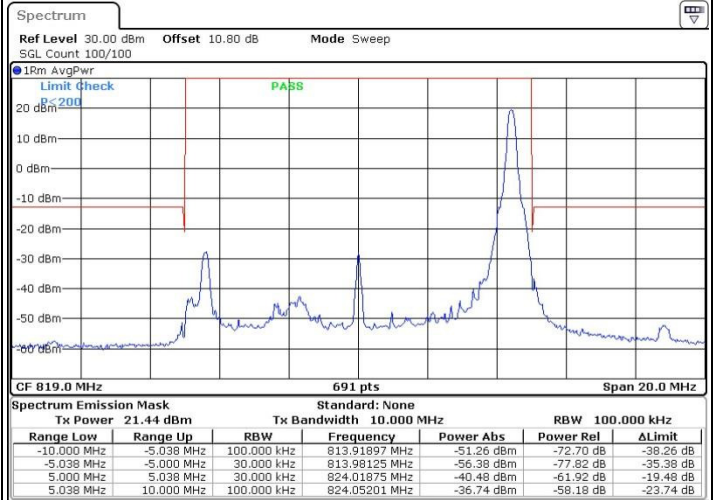
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



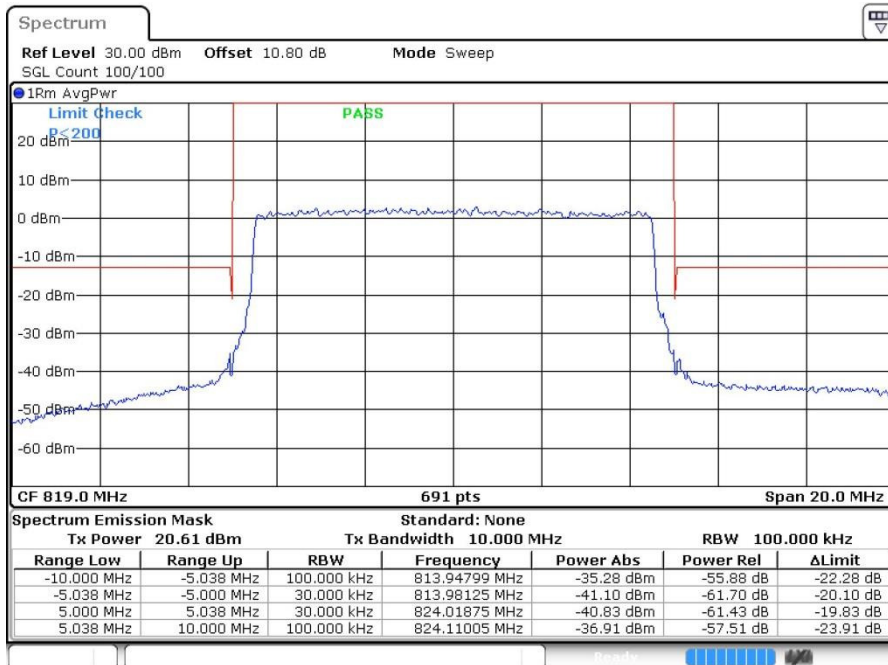
Date: 20.FEB.2017 21:29:48

Highest Band Edge / 1 RB



Date: 20.FEB.2017 21:32:07

Band Edge / Full RB

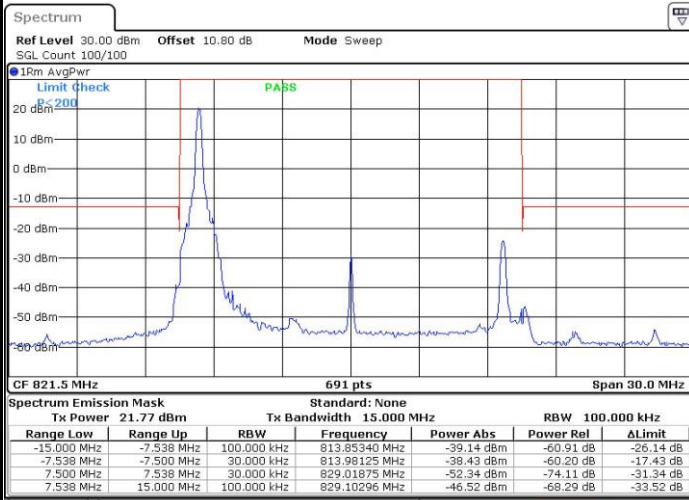


Date: 20.FEB.2017 21:34:26

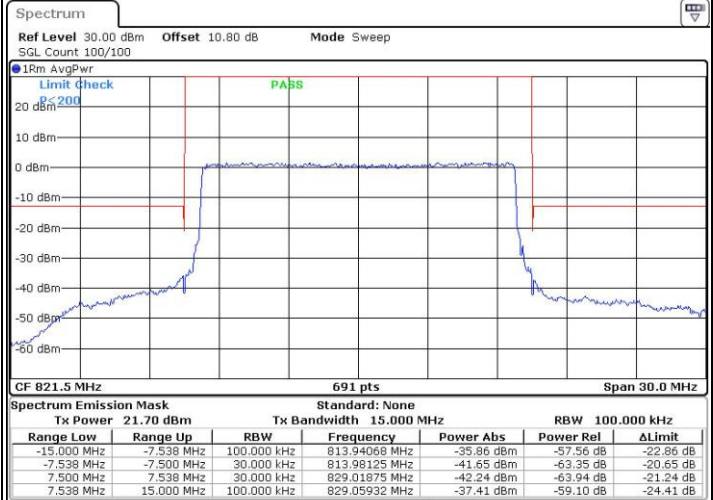


LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB

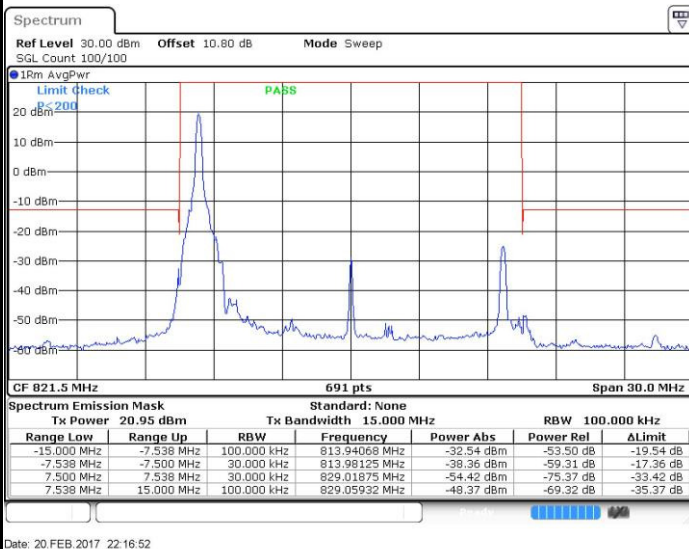


Lowest Band Edge / Full RB

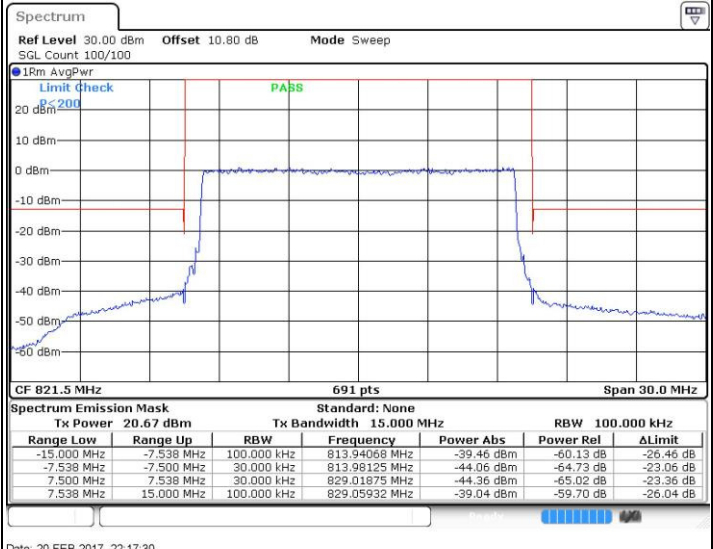


LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Lowest Band Edge / Full RB



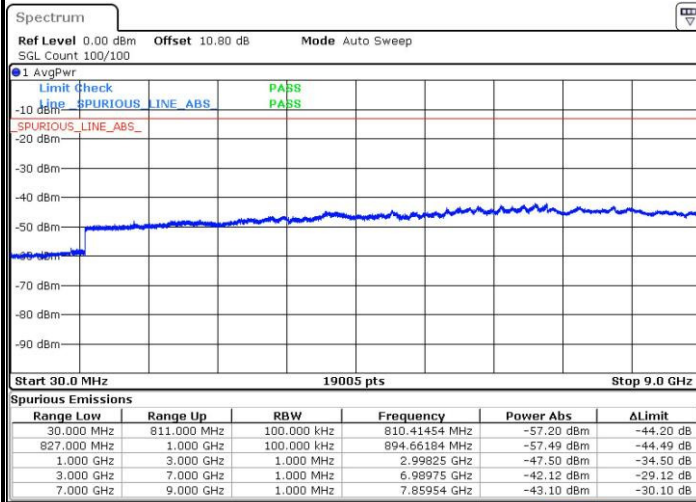


Conducted Spurious Emission



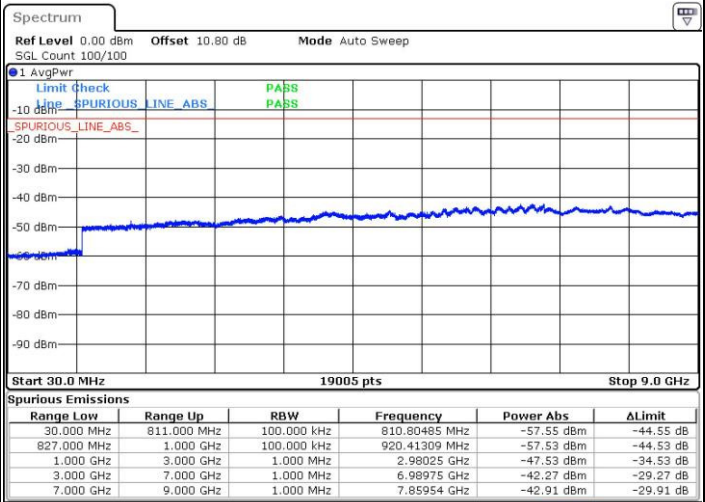
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



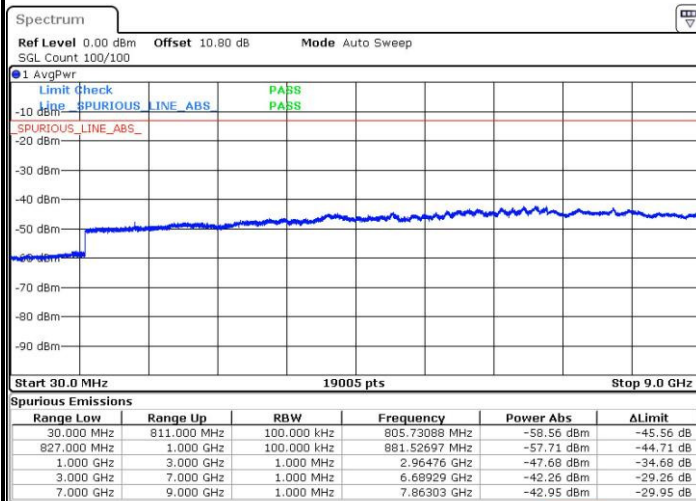
Date: 20 FEB 2017 22:01:53

Lowest Channel / 16QAM



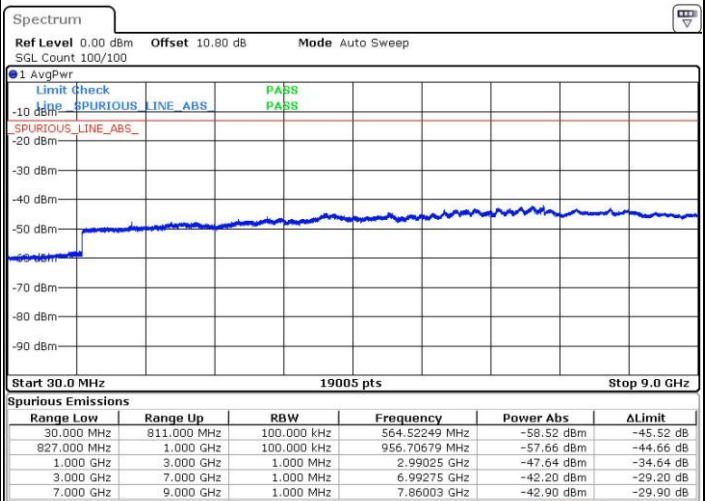
Date: 20 FEB 2017 22:02:47

Middle Channel / QPSK



Date: 20 FEB 2017 22:04:23

Middle Channel / 16QAM

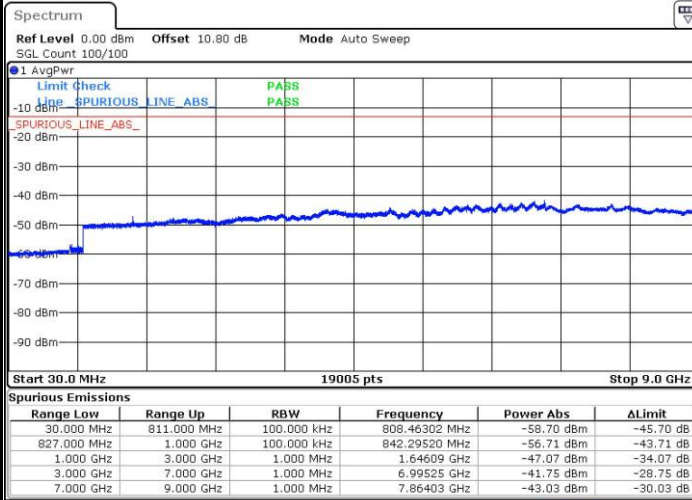


Date: 20 FEB 2017 22:05:17



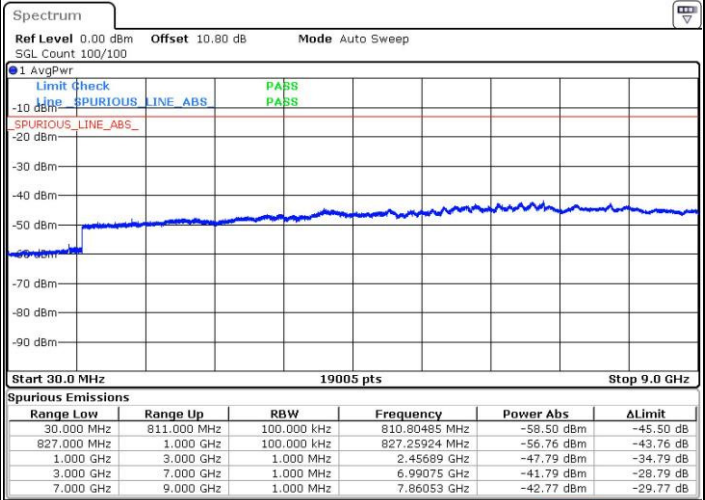
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 20 FEB 2017 22:06:53

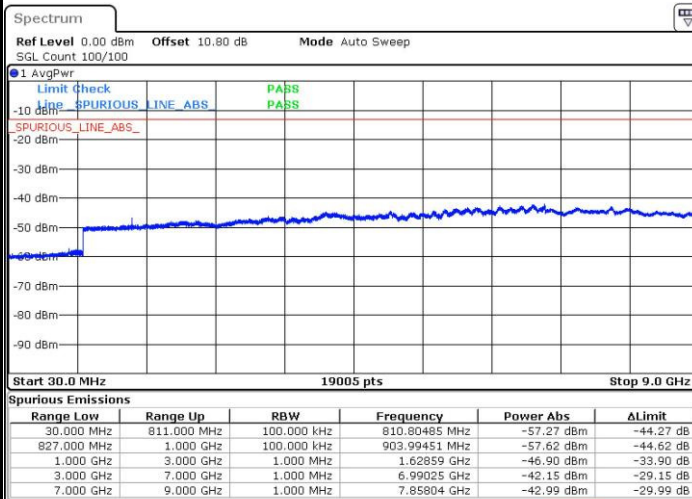
Highest Channel / 16QAM



Date: 20 FEB 2017 22:07:47

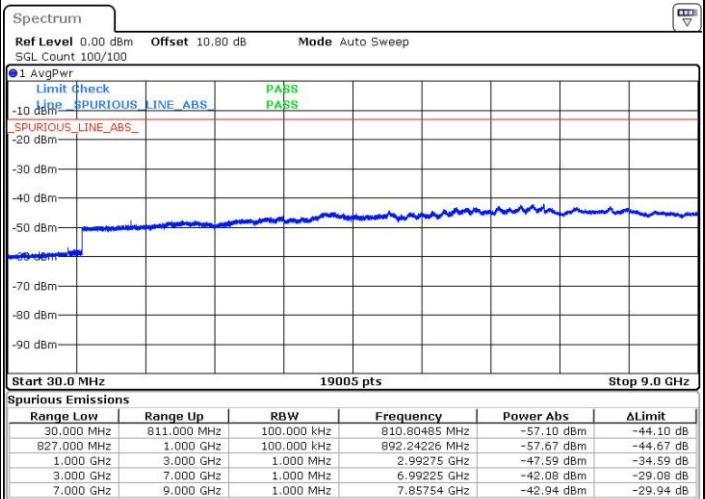
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 20 FEB 2017 21:37:30

Lowest Channel / 16QAM

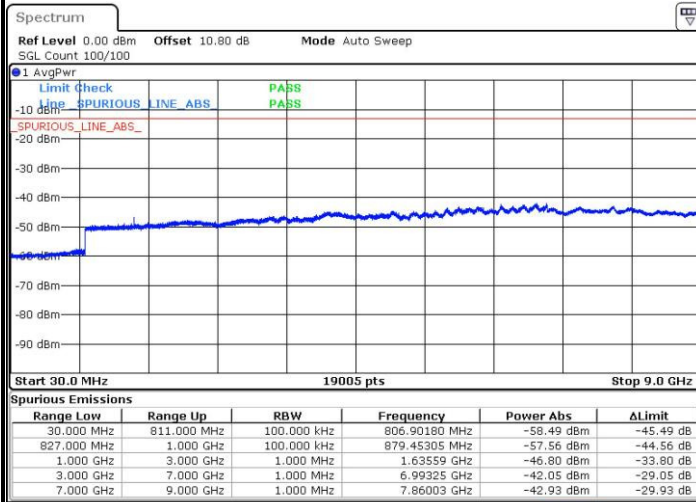


Date: 20 FEB 2017 21:38:24



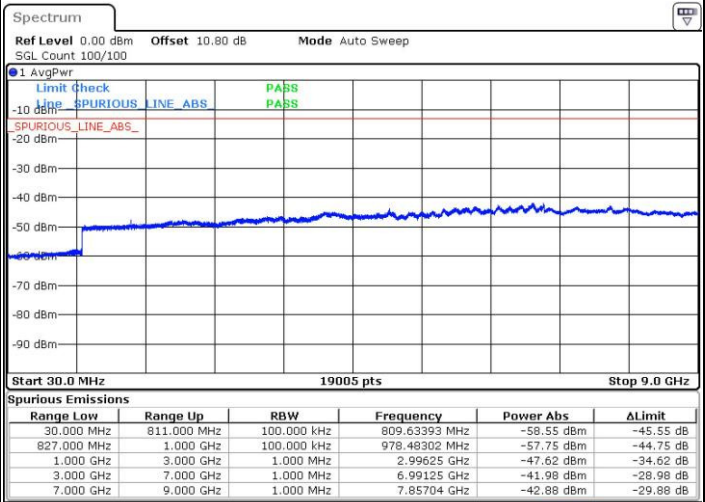
LTE Band 26 / 3MHz

Middle Channel / QPSK



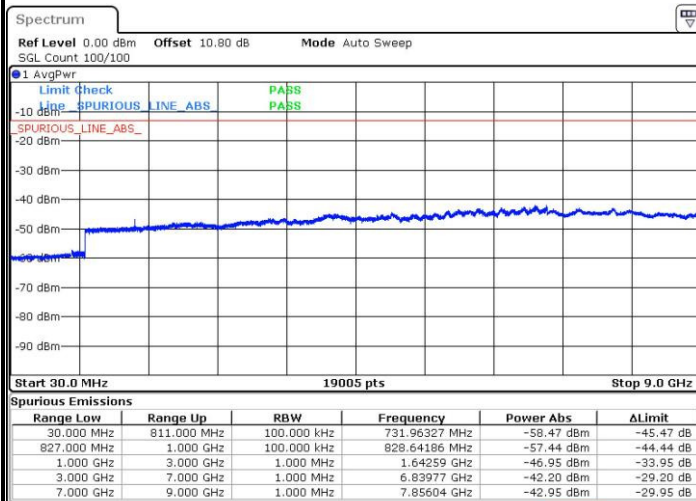
Date: 20 FEB 2017 21:39:59

Middle Channel / 16QAM



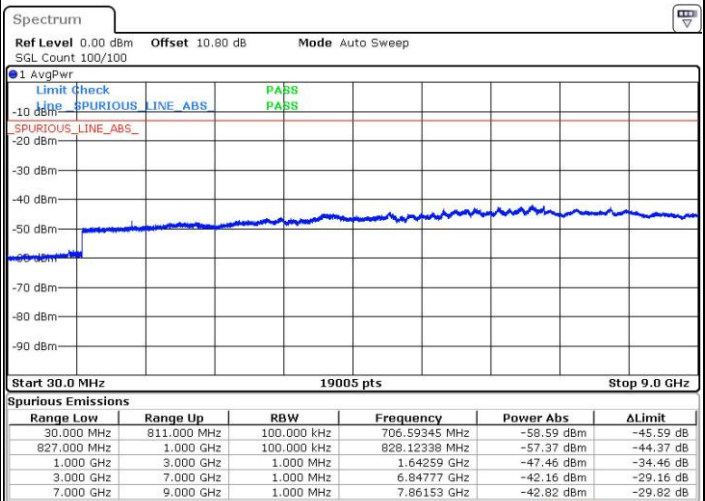
Date: 20 FEB 2017 21:40:53

Highest Channel / QPSK



Date: 20 FEB 2017 21:42:29

Highest Channel / 16QAM

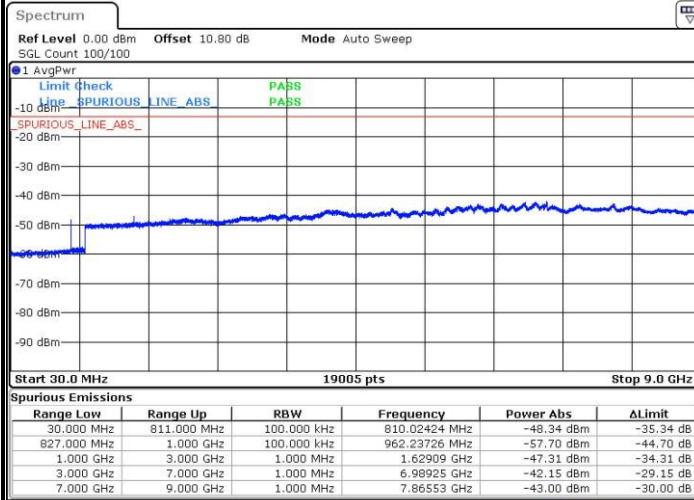


Date: 20 FEB 2017 21:43:23



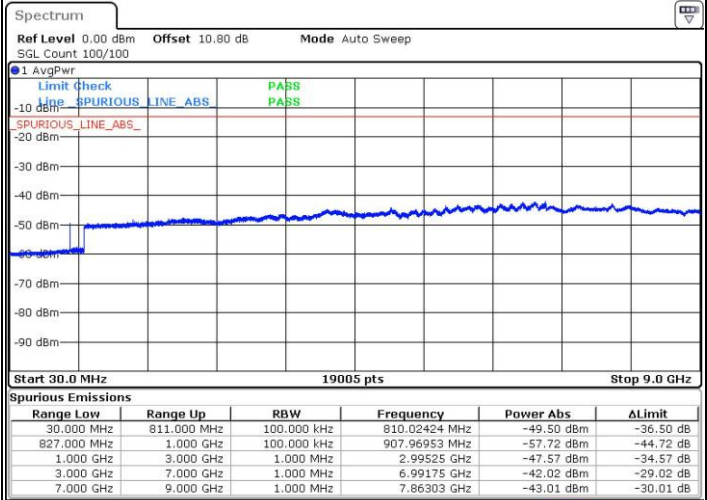
LTE Band 26 / 5MHz

Lowest Channel / QPSK



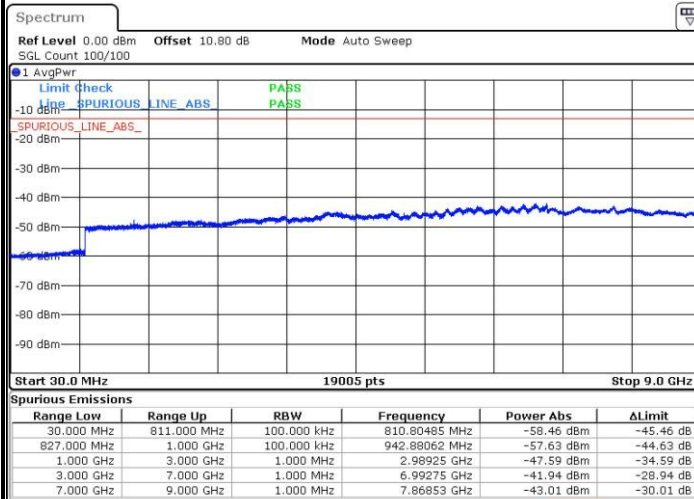
Date: 20 FEB 2017 21:44:59

Lowest Channel / 16QAM



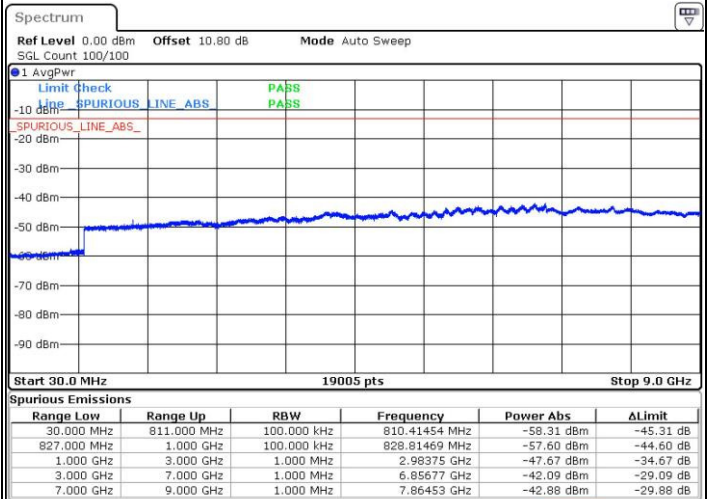
Date: 20 FEB 2017 21:45:53

Middle Channel / QPSK



Date: 20 FEB 2017 21:47:29

Middle Channel / 16QAM

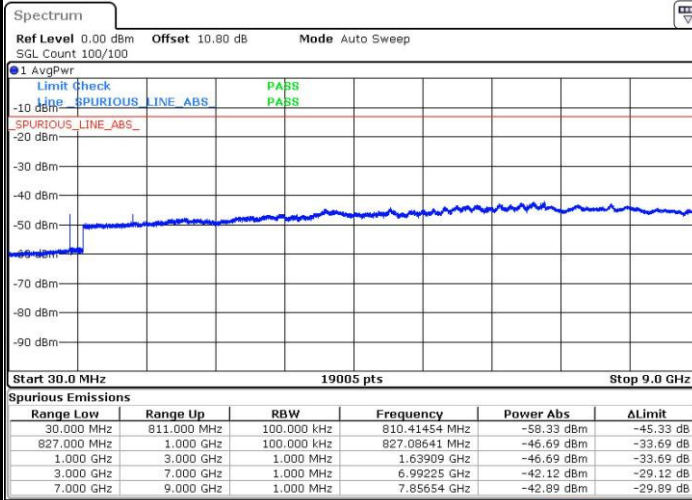


Date: 20 FEB 2017 21:48:23



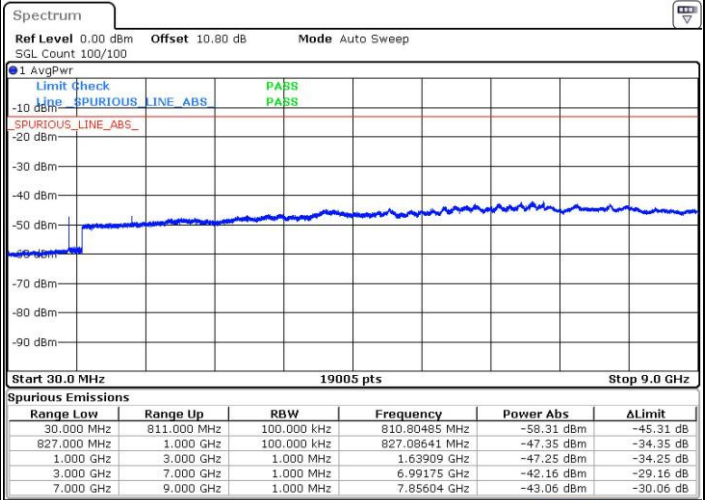
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 20 FEB 2017 21:49:58

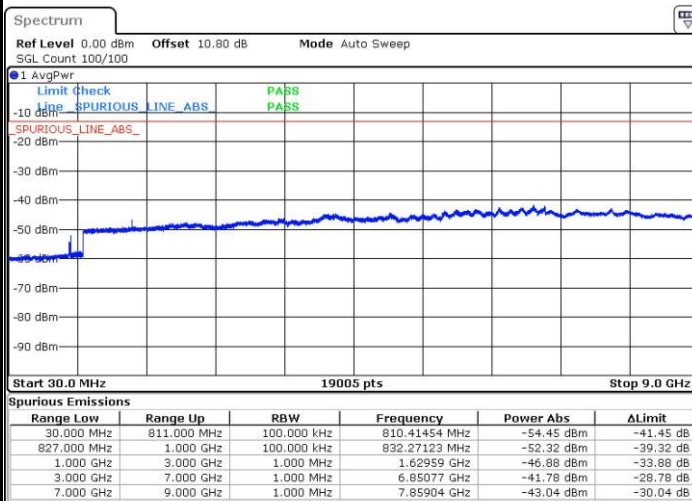
Highest Channel / 16QAM



Date: 20 FEB 2017 21:50:53

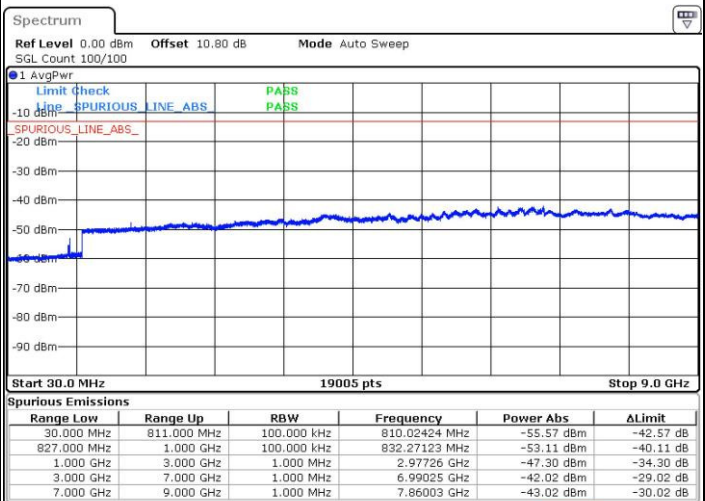
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 20 FEB 2017 21:52:28

Middle Channel / 16QAM

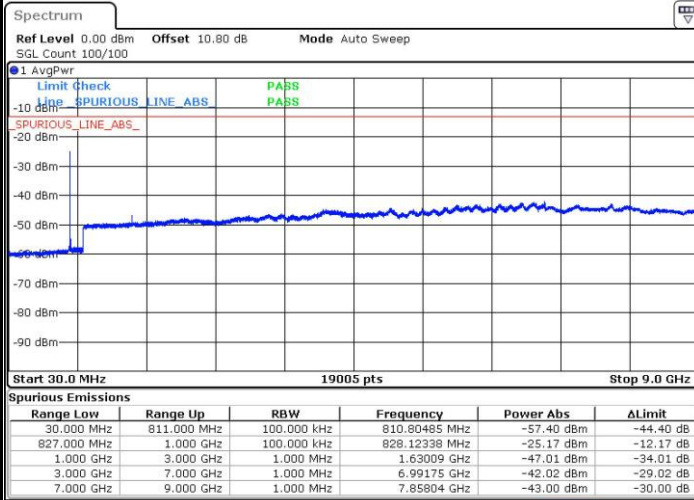


Date: 20 FEB 2017 21:53:22



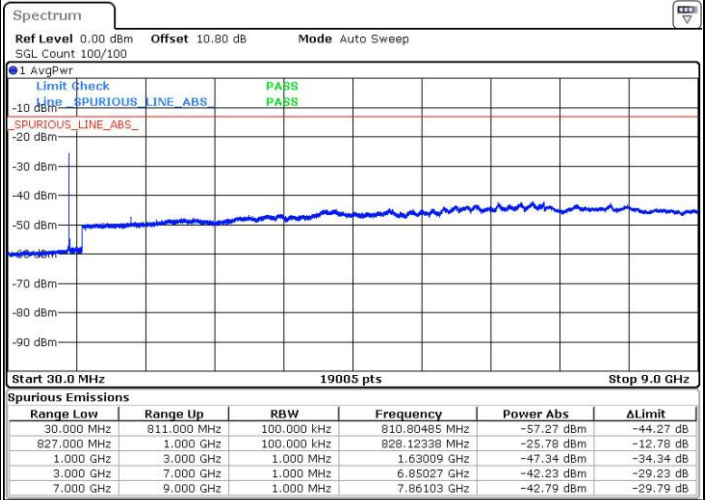
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 20 FEB 2017 22:12:48

Lowest Channel / 16QAM



Date: 20 FEB 2017 22:13:14

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	0.0049	PASS
40	Normal Voltage	0.0057	
30	Normal Voltage	0.0066	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0085	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0070	
20	Maximum Voltage	0.0071	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 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	0.0082	PASS
40	Normal Voltage	0.0086	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0047	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0047	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: 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)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	74	18.75	0.08	19.95	0.10
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	16.79	0.05	18.02	0.06
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

**LTE Band 26**

LTE Band 26 / 1.4MHz / 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	-49.60	-13	-36.60	-37.29	-51.41	0.97	4.93	H
	2440	-62.95	-13	-49.95	-56.06	-64.75	1.27	5.22	H
	3256	-65.93	-13	-52.93	-61.12	-69.18	1.53	6.93	H
									H
									H
									H
									H
	1632	-46.91	-13	-33.91	-35.08	-48.72	0.97	4.93	V
	2440	-60.46	-13	-47.46	-54.01	-62.26	1.27	5.22	V
	3256	-65.25	-13	-52.25	-60.84	-68.5	1.53	6.93	V
									V
									V
									V
									V
Middle	1640	-48.61	-13	-35.61	-36.45	-50.39	0.97	4.91	H
	2456	-58.18	-13	-45.18	-51.37	-60.02	1.28	5.27	H
	3272	-65.69	-13	-52.69	-60.95	-69	1.53	7.00	H
									H
									H
									H
									H
	1640	-47.78	-13	-34.78	-36.09	-49.56	0.97	4.91	V
	2456	-56.33	-13	-43.33	-49.96	-58.17	1.28	5.27	V
	3272	-65.39	-13	-52.39	-61.02	-68.7	1.53	7.00	V
									V
									V
									V
									V
Highest	1648	-50.01	-13	-37.01	-37.85	-51.77	0.98	4.89	H
	2472	-58.22	-13	-45.22	-51.5	-60.1	1.28	5.32	H
	3296	-65.98	-13	-52.98	-61.31	-69.39	1.54	7.10	H
									H
									H
									H
									H
	1648	-49.42	-13	-36.42	-37.73	-51.18	0.98	4.89	V
	2472	-55.77	-13	-42.77	-49.49	-57.65	1.28	5.32	V
	3296	-66.39	-13	-53.39	-61.09	-69.8	1.54	7.10	V
									V
									V
									V
									V

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



LTE Band 26 / 3MHz / 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	-50.33	-13	-37.33	-38.02	-52.14	0.97	4.93	H
	2440	-60.89	-13	-47.89	-54	-62.69	1.27	5.22	H
	3256	-66.06	-13	-53.06	-61.25	-69.31	1.53	6.93	H
									H
									H
									H
									H
	1632	-47.44	-13	-34.44	-35.61	-49.25	0.97	4.93	V
	2440	-57.83	-13	-44.83	-51.38	-59.63	1.27	5.22	V
	3256	-65.44	-13	-52.44	-61.03	-68.69	1.53	6.93	V
									V
									V
									V
									V
Middle	1632	-51.70	-13	-38.70	-39.39	-53.51	0.97	4.93	H
	2456	-58.25	-13	-45.25	-51.44	-60.09	1.28	5.27	H
	3272	-65.78	-13	-52.78	-61.04	-69.09	1.53	7.00	H
									H
									H
									H
									H
	1632	-49.48	-13	-36.48	-37.65	-51.29	0.97	4.93	V
	2456	-55.67	-13	-42.67	-49.3	-57.51	1.28	5.27	V
	3272	-65.43	-13	-52.43	-61.06	-68.74	1.53	7.00	V
									V
									V
									V
									V
									V
Highest	1640	-52.20	-13	-39.20	-40.04	-53.98	0.97	4.91	H
	2464	-57.00	-13	-44.00	-50.19	-58.86	1.28	5.29	H
	3280	-65.90	-13	-52.90	-61.16	-69.25	1.54	7.03	H
									H
									H
									H
									H
	1640	-50.35	-13	-37.35	-38.66	-52.13	0.97	4.91	V
	2464	-55.77	-13	-42.77	-49.4	-57.63	1.28	5.29	V
	3280	-65.20	-13	-52.20	-60.83	-68.55	1.54	7.03	V
									V
									V
									V
									V
									V

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



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	-50.41	-13	-37.41	-38.1	-52.22	0.97	4.93	H
	2440	-60.69	-13	-47.69	-53.8	-62.49	1.27	5.22	H
	3256	-66.09	-13	-53.09	-61.28	-69.34	1.53	6.93	H
									H
									H
									H
									H
	1632	-46.97	-13	-33.97	-35.14	-48.78	0.97	4.93	V
	2440	-57.09	-13	-44.09	-50.64	-58.89	1.27	5.22	V
	3256	-65.42	-13	-52.42	-61.01	-68.67	1.53	6.93	V
									V
									V
									V
									V
Middle	1632	-50.31	-13	-37.31	-38	-52.12	0.97	4.93	H
	2448	-60.08	-13	-47.08	-53.19	-61.9	1.27	5.24	H
	3264	-65.74	-13	-52.74	-60.93	-69.02	1.53	6.96	H
									H
									H
									H
									H
	1632	-48.51	-13	-35.51	-36.68	-50.32	0.97	4.93	V
	2448	-57.29	-13	-44.29	-50.84	-59.11	1.27	5.24	V
	3264	-65.17	-13	-52.17	-60.76	-68.45	1.53	6.96	V
									V
									V
									V
									V
									V
Highest	1640	-51.57	-13	-38.57	-39.41	-53.35	0.97	4.91	H
	2456	-58.14	-13	-45.14	-51.33	-59.98	1.28	5.27	H
	3280	-65.90	-13	-52.90	-61.16	-69.25	1.54	7.03	H
									H
									H
									H
									H
	1640	-48.84	-13	-35.84	-37.15	-50.62	0.97	4.91	V
	2456	-55.71	-13	-42.71	-49.34	-57.55	1.28	5.27	V
	3280	-65.37	-13	-52.37	-61	-68.72	1.54	7.03	V
									V
									V
									V
									V
									V

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



LTE 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	-46.98	-13	-33.98	-34.67	-48.79	0.97	4.93	H
	2448	-59.45	-13	-46.45	52.56	-61.27	1.27	5.24	H
	3264	-65.70	-13	-52.70	-60.89	-68.98	1.53	6.96	H
									H
									H
									H
									H
	1632	-46.45	-13	-33.45	-34.62	-48.26	0.97	4.93	V
	2448	-59.06	-13	-46.06	-52.61	-60.88	1.27	5.24	V
	3264	-65.14	-13	-52.14	-60.73	-68.42	1.53	6.96	V
									V
									V
									V
									V

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



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	1632	-47.58	-13	-34.58	-35.27	-49.39	0.97	4.93	H
	2448	-60.02	-13	-47.02	-53.13	-61.84	1.27	5.24	H
	3264	-65.88	-13	-52.88	-61.07	-69.16	1.53	6.96	H
									H
									H
									H
									H
	1632	-45.17	-13	-32.17	-33.34	-46.98	0.97	4.93	V
	2448	-57.97	-13	-44.97	-51.52	-59.79	1.27	5.24	V
	3264	-65.35	-13	-52.35	-60.94	-68.63	1.53	6.96	V
									V
									V
									V
									V

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