

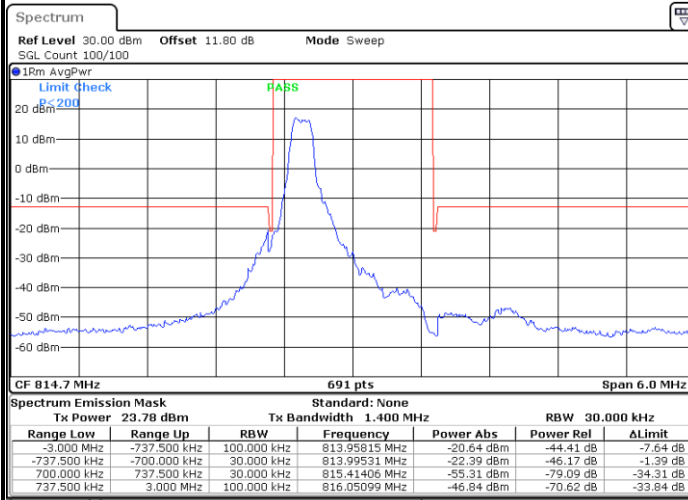


Conducted Band Edge

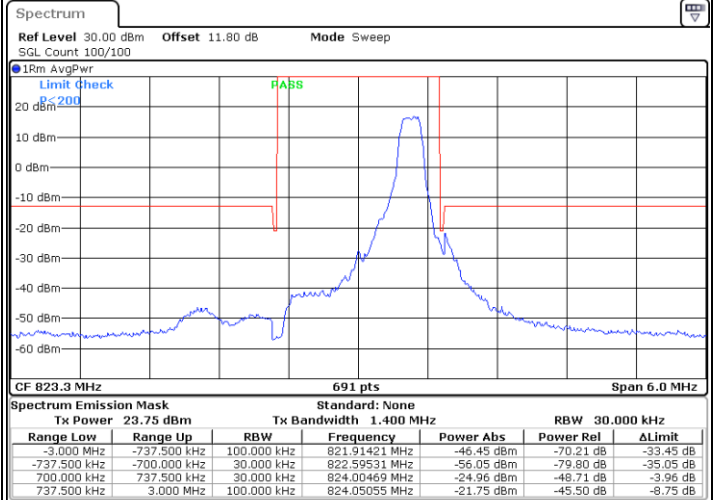


LTE Band 26 / 1.4MHz / QPSK

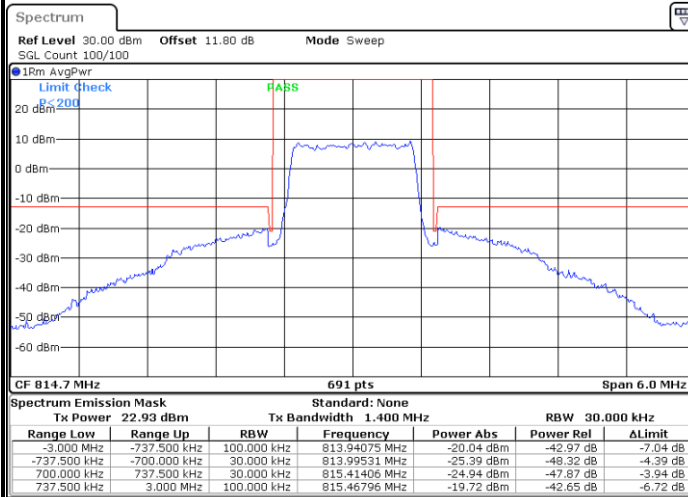
Lowest Band Edge / 1RB



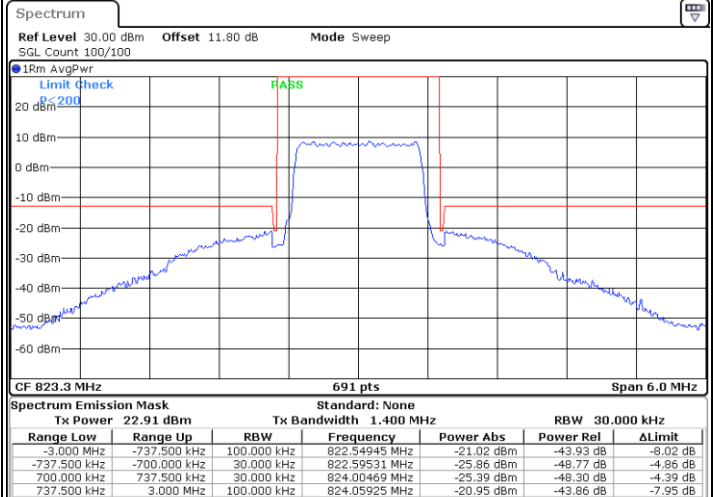
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



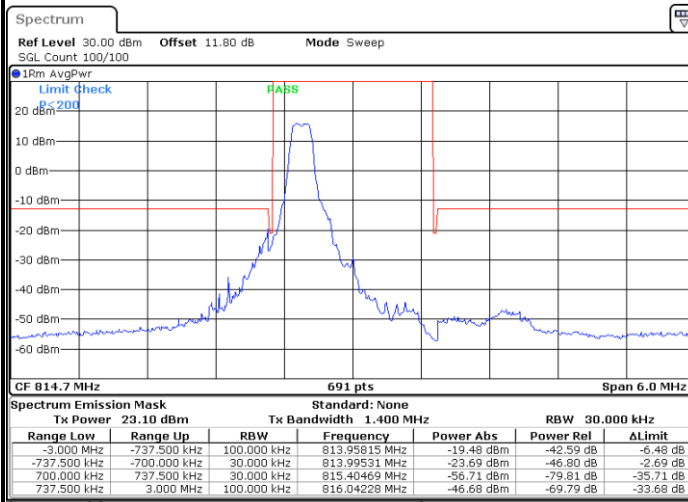
Highest Band Edge / Full RB



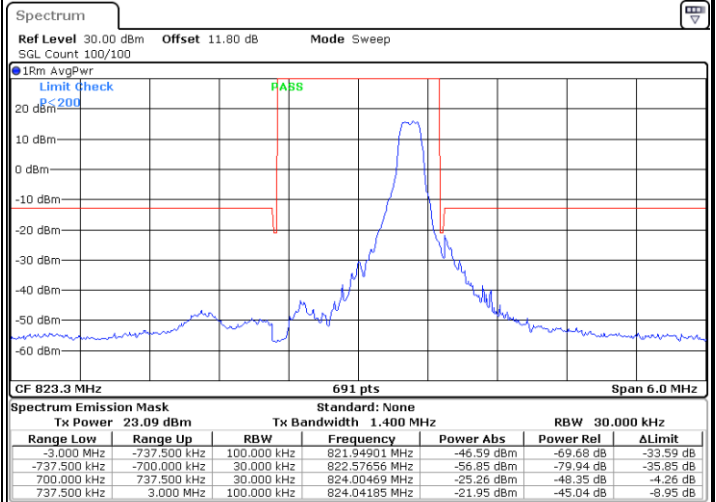


LTE Band 26 / 1.4MHz / 16QAM

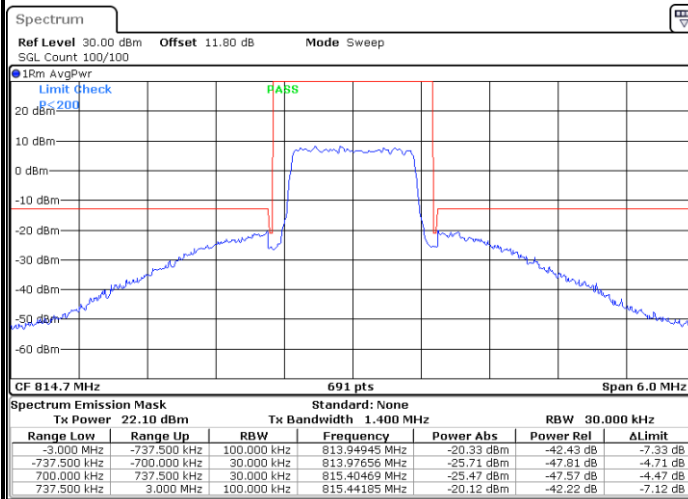
Lowest Band Edge / 1 RB



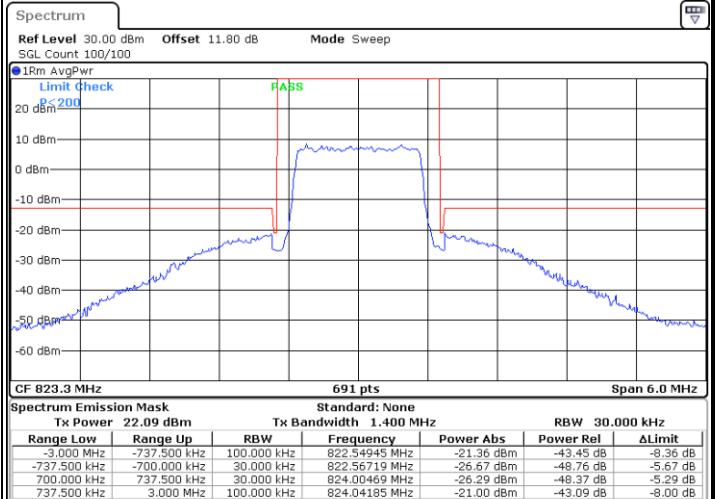
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



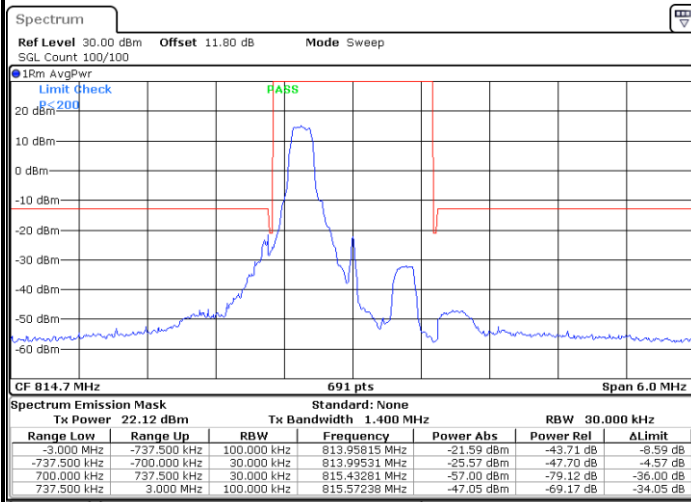
Highest Band Edge / Full RB



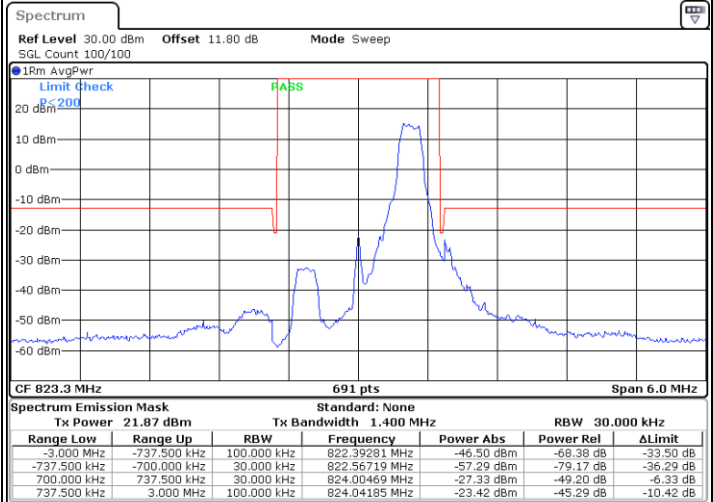


LTE Band 26 / 1.4MHz / 64QAM

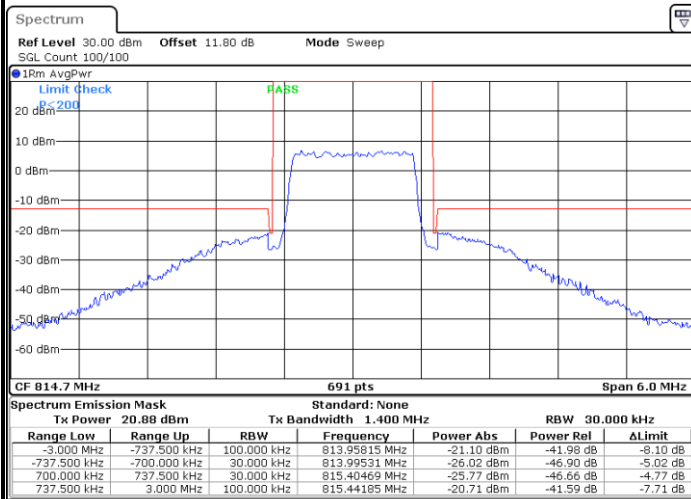
Lowest Band Edge / 1 RB



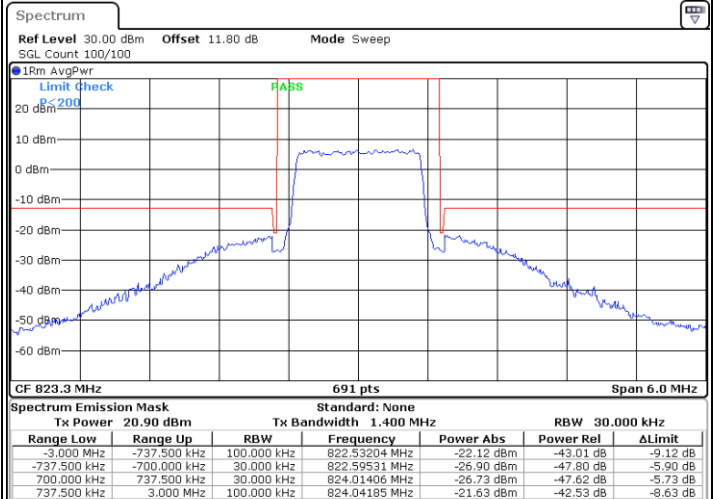
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



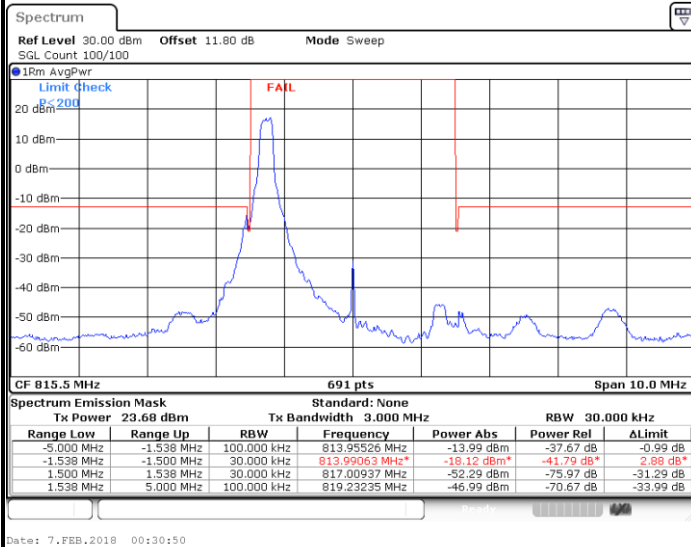
Highest Band Edge / Full RB



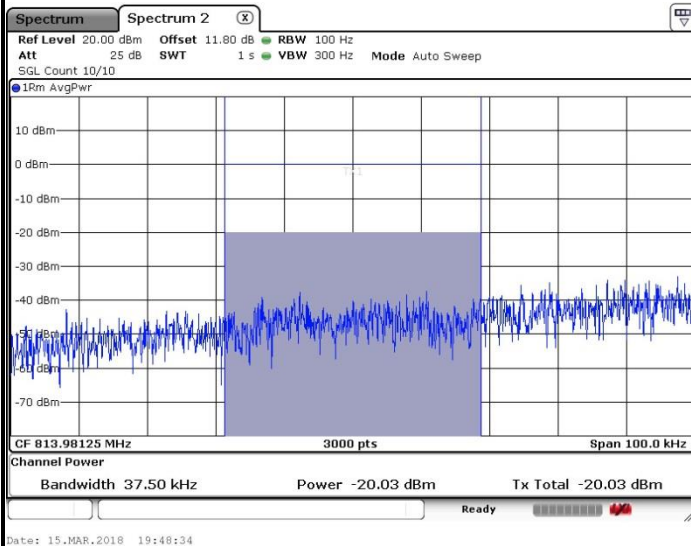
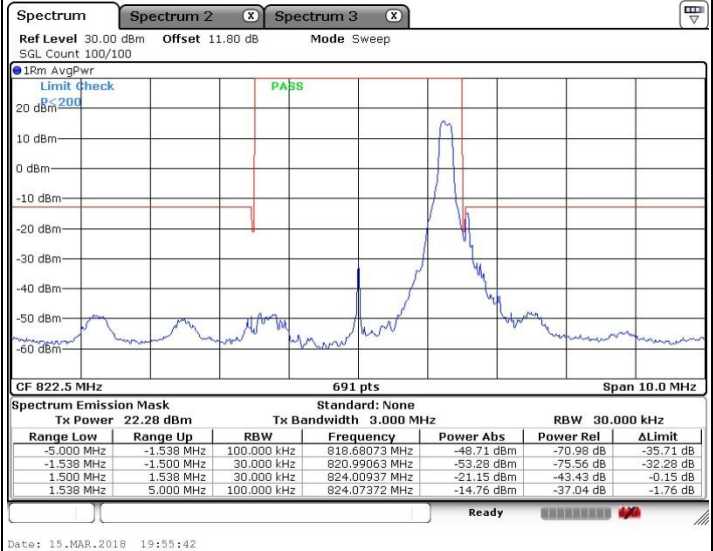


LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB

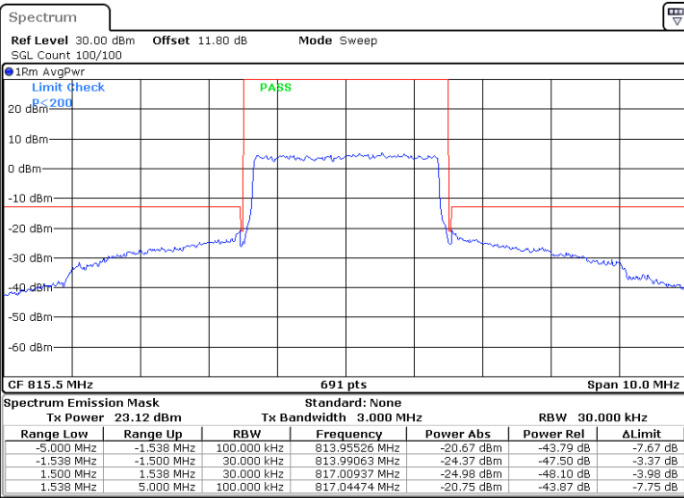


Highest Band Edge / 1 RB



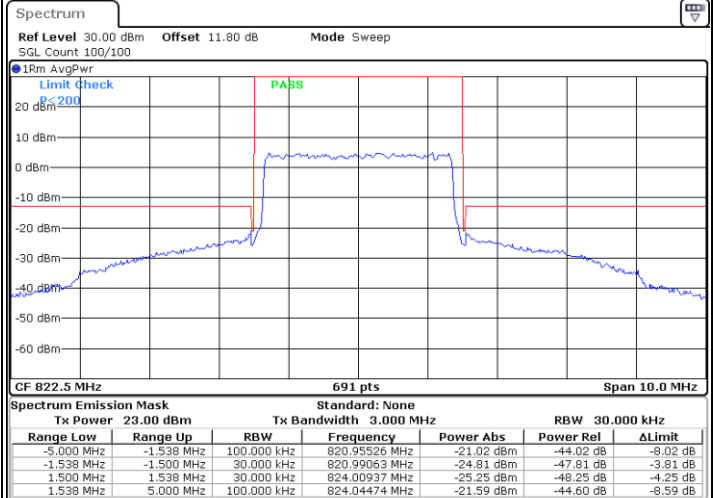


Lowest Band Edge / Full RB



Date: 7.FEB.2018 00:33:10

Highest Band Edge / Full RB

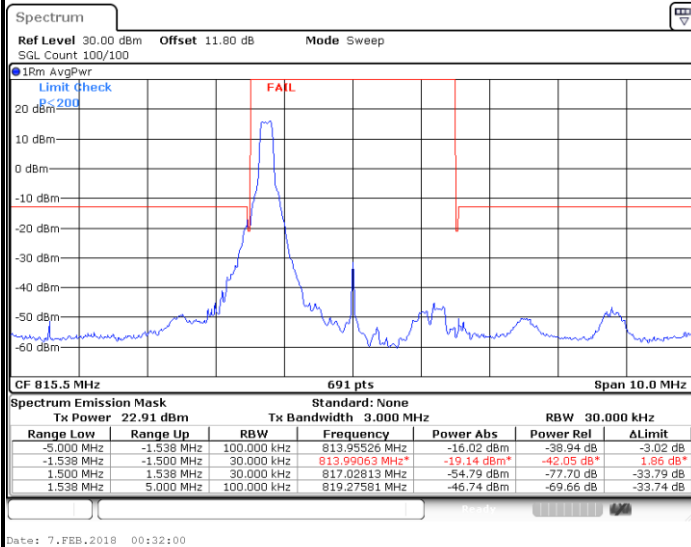


Date: 7.FEB.2018 00:37:51

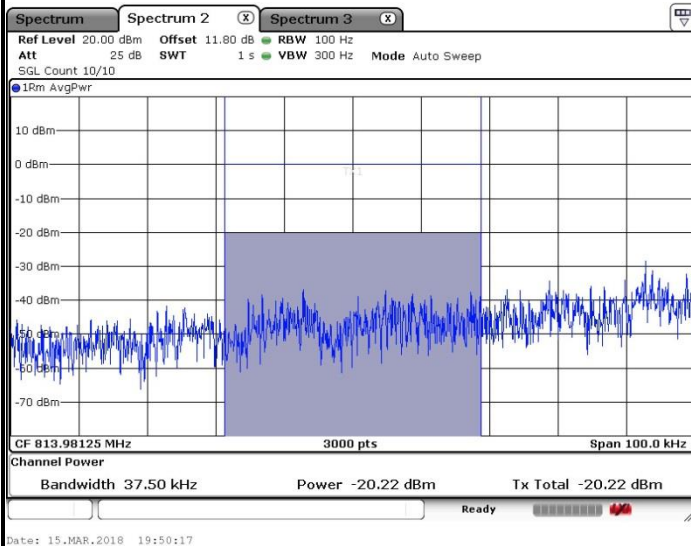
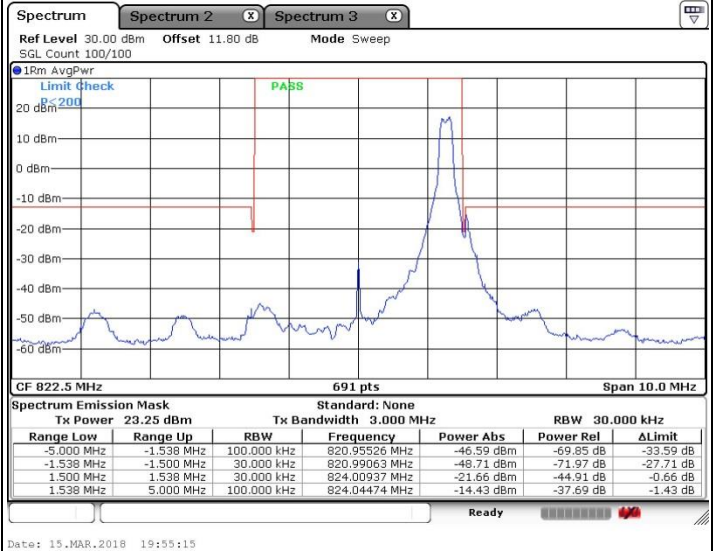


LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



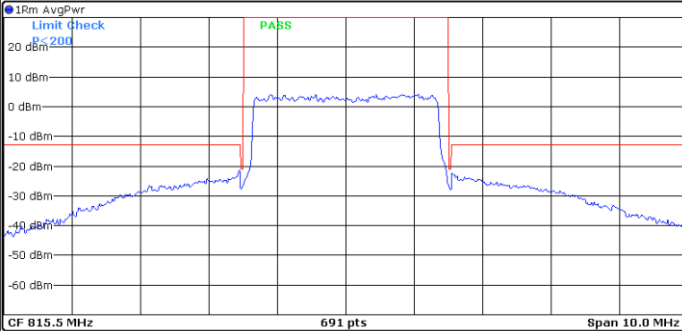
Highest Band Edge / 1 RB





Lowest Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 11.80 dB Mode Sweep
SQL Count 100/100

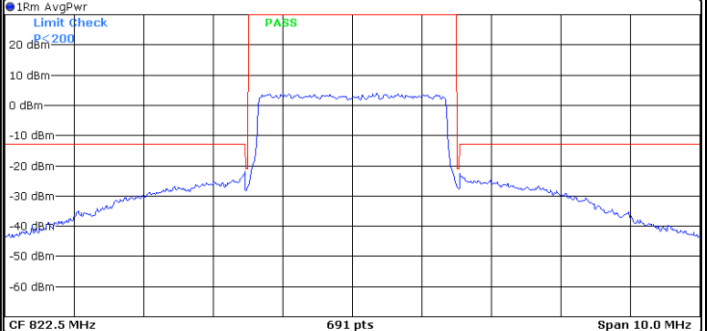
CF 815.5 MHz 691 pts Span 10.0 MHz

Spectrum Emission Mask						
Tx Power 22.11 dBm Standard: None						
Tx Bandwidth 3.000 MHz						
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	813.94077 MHz	-21.24 dBm	-43.35 dB	-8.24 dB
-1.538 MHz	-1.500 MHz	30.000 kHz	813.99063 MHz	-26.58 dBm	-48.68 dB	-5.58 dB
1.500 MHz	1.538 MHz	30.000 kHz	817.00937 MHz	-26.70 dBm	-48.81 dB	-5.70 dB
1.538 MHz	5.000 MHz	100.000 kHz	817.04474 MHz	-22.36 dBm	-44.46 dB	-9.36 dB

Date: 7.FEB.2018 00:34:20

Highest Band Edge / Full RB

Spectrum

Ref Level 30.00 dBm Offset 11.80 dB Mode Sweep
SQL Count 100/100

CF 822.5 MHz 691 pts Span 10.0 MHz

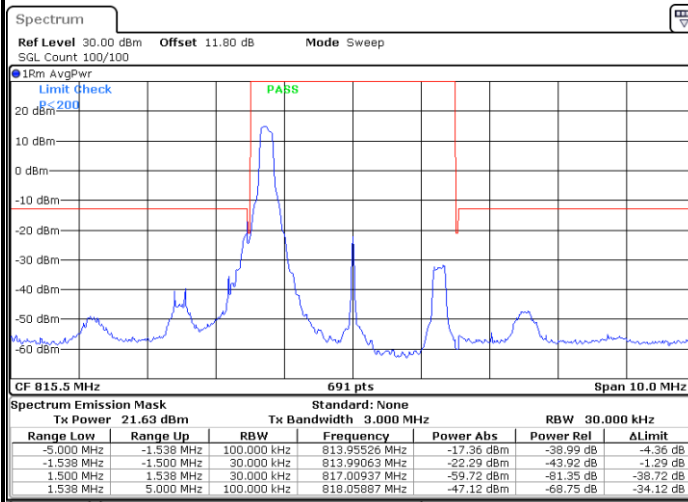
Spectrum Emission Mask						
Tx Power 22.15 dBm Standard: None						
Tx Bandwidth 3.000 MHz						
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-1.538 MHz	100.000 kHz	820.95526 MHz	-22.03 dBm	-44.18 dB	-9.03 dB
-1.538 MHz	-1.500 MHz	30.000 kHz	820.99063 MHz	-26.96 dBm	-49.11 dB	-5.96 dB
1.500 MHz	1.538 MHz	30.000 kHz	824.00937 MHz	-26.87 dBm	-49.02 dB	-5.87 dB
1.538 MHz	5.000 MHz	100.000 kHz	824.04474 MHz	-22.41 dBm	-44.56 dB	-9.41 dB

Date: 7.FEB.2018 00:39:01

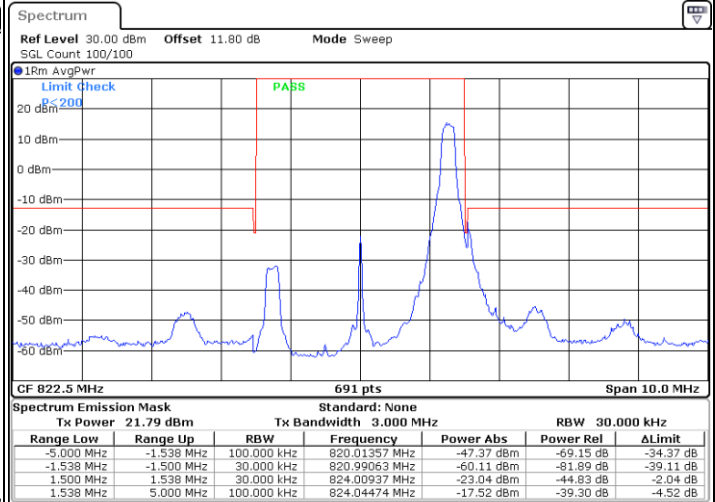


LTE Band 26 / 3MHz / 64QAM

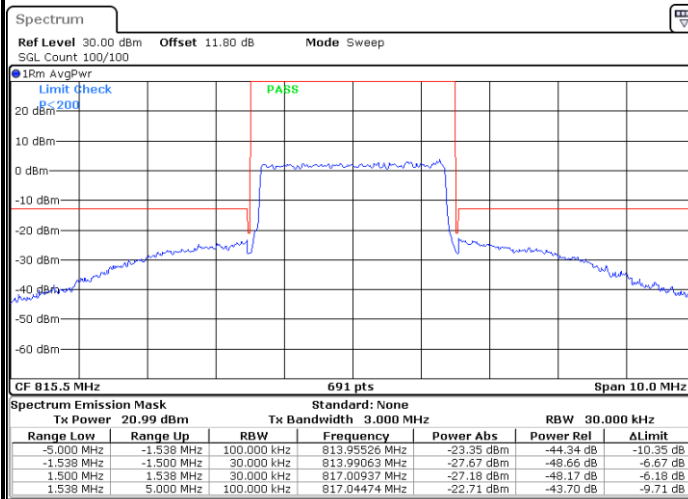
Lowest Band Edge / 1 RB



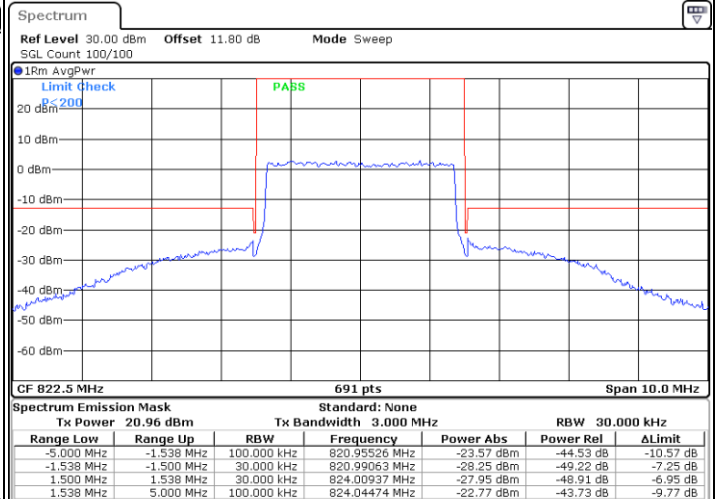
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



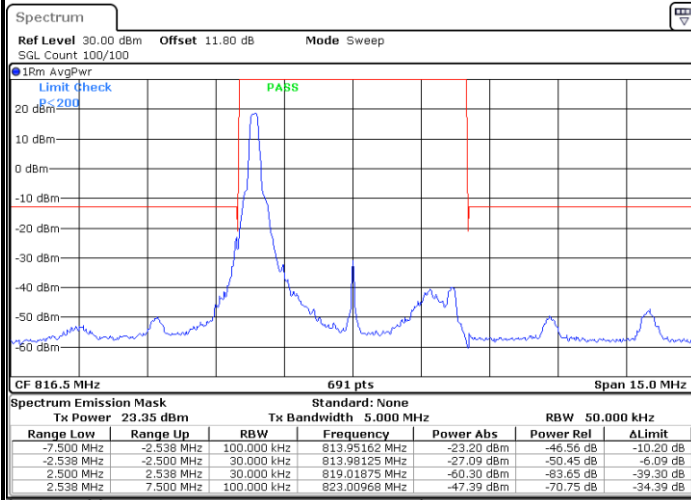
Highest Band Edge / Full RB



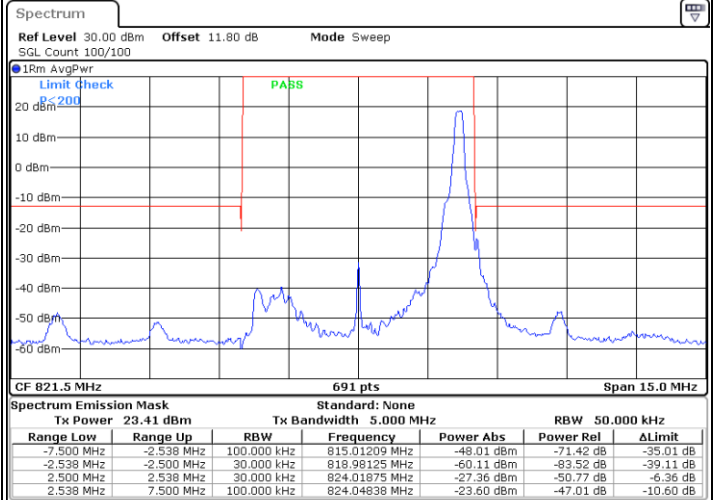


LTE Band 26 / 5MHz / QPSK

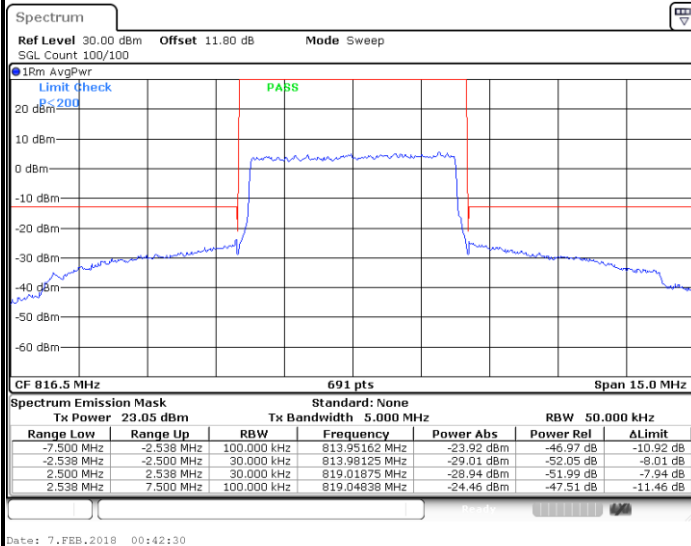
Lowest Band Edge / 1 RB



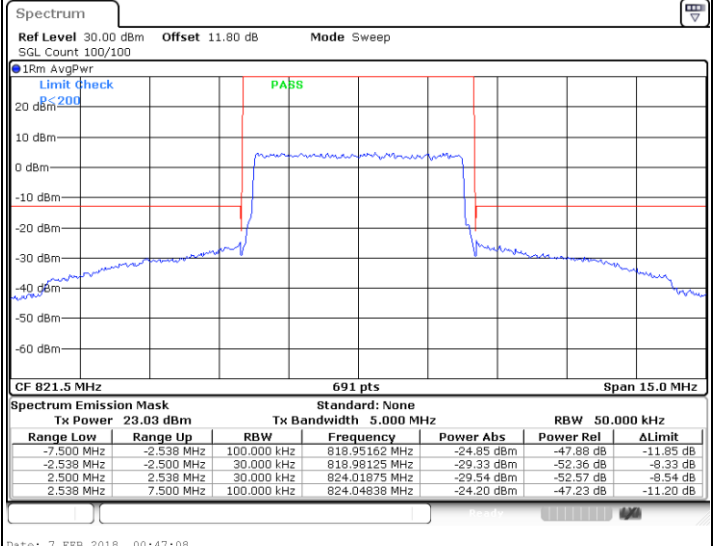
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



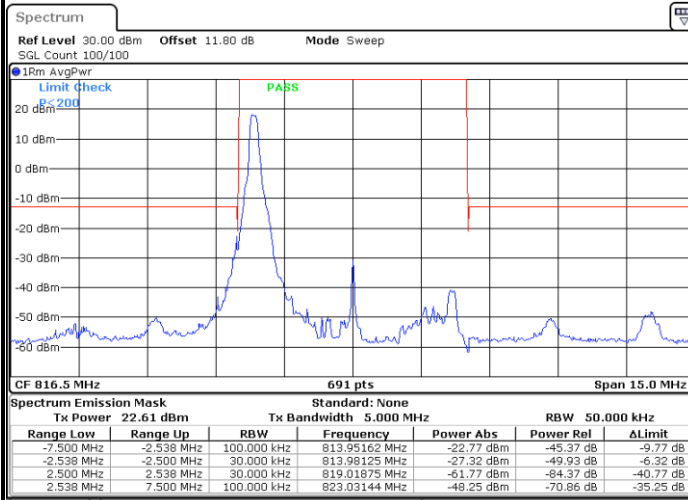
Highest Band Edge / Full RB



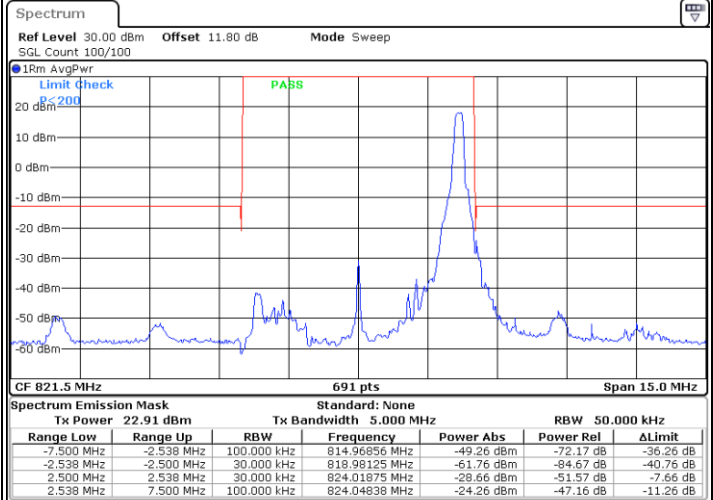


LTE Band 26 / 5MHz / 16QAM

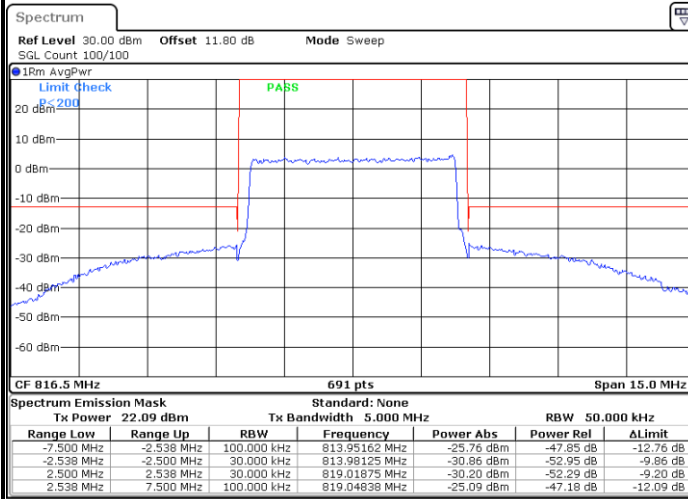
Lowest Band Edge / 1RB



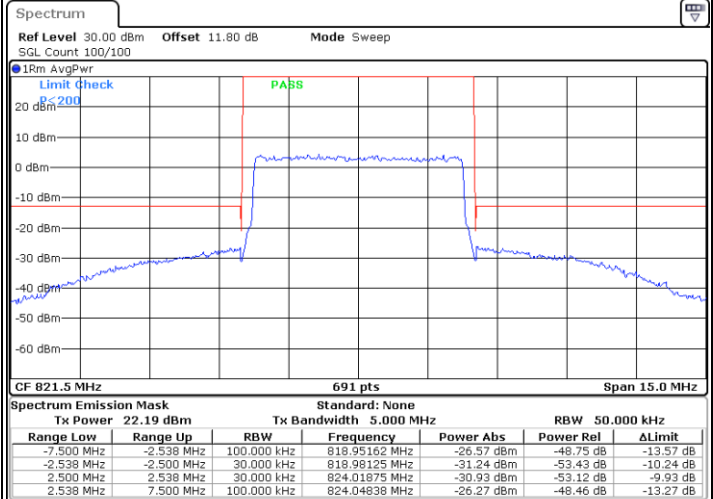
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



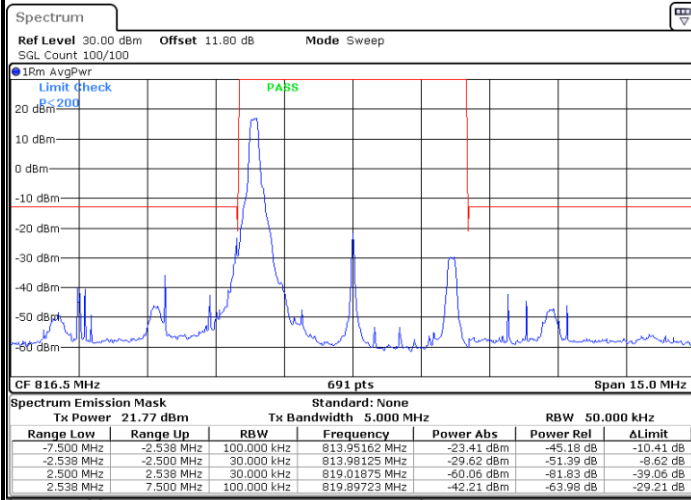
Highest Band Edge / Full RB



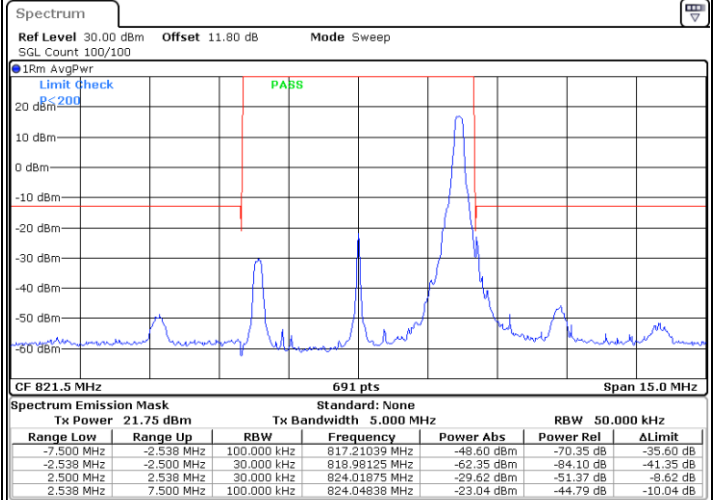


LTE Band 26 / 5MHz / 64QAM

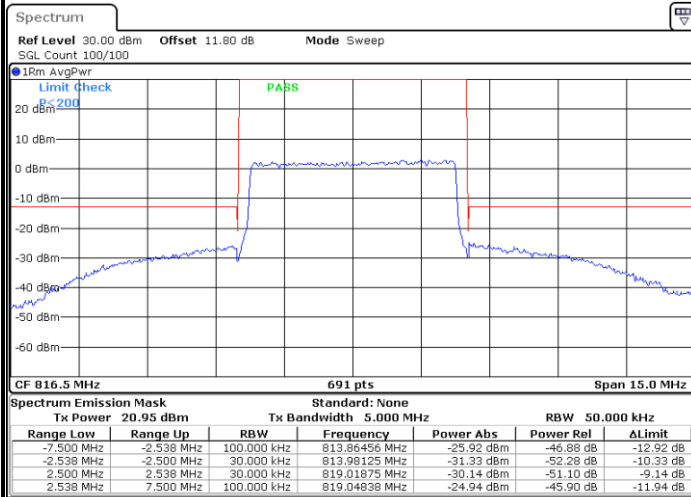
Lowest Band Edge / 1RB



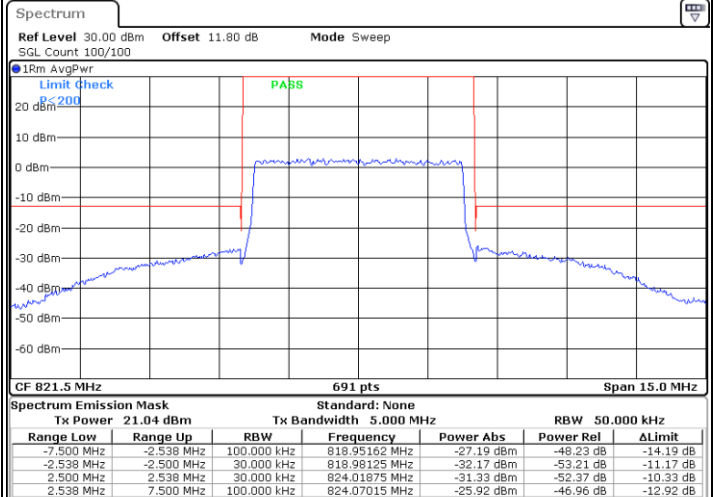
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



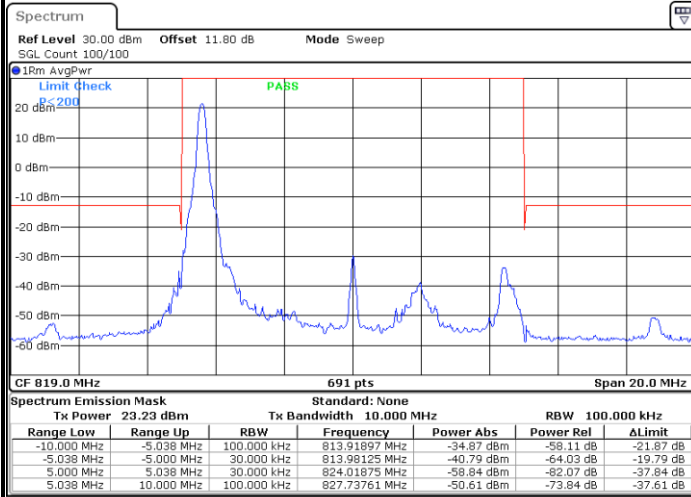
Highest Band Edge / Full RB





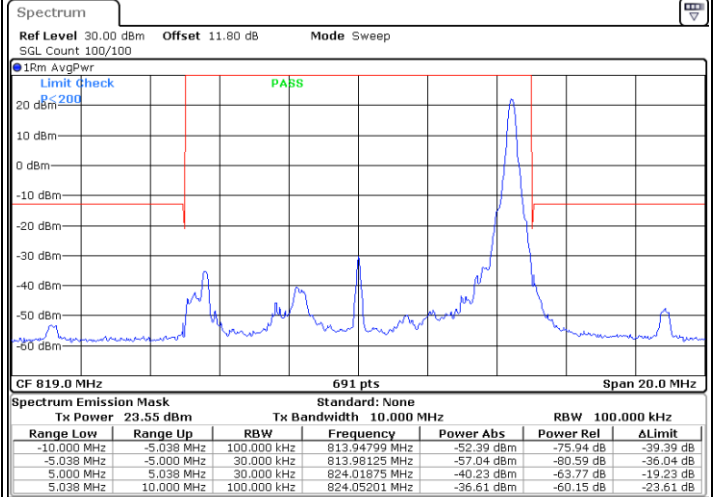
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



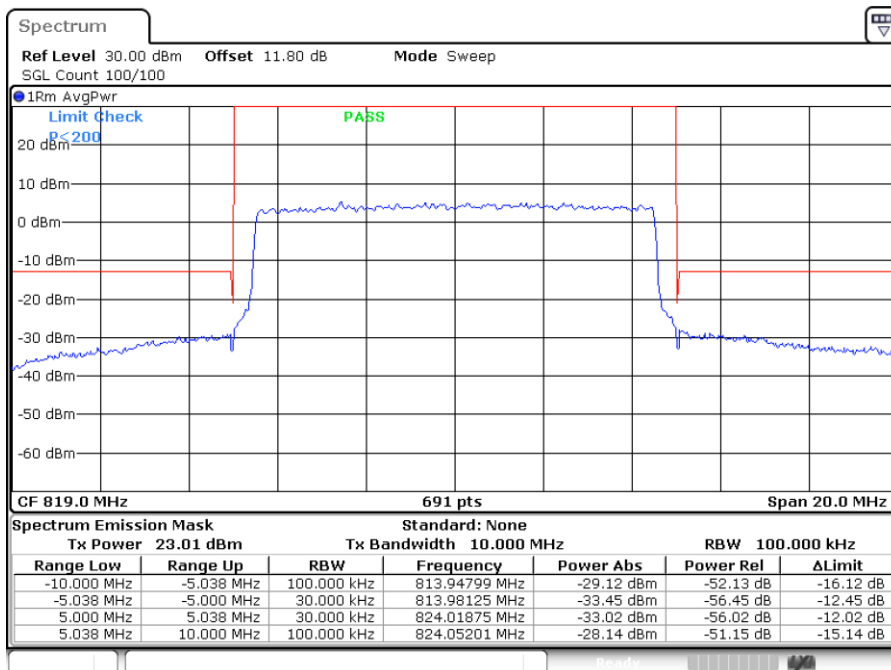
Date: 7.FEB.2018 00:49:27

Highest Band Edge / 1 RB



Date: 7.FEB.2018 00:51:46

Band Edge / Full RB

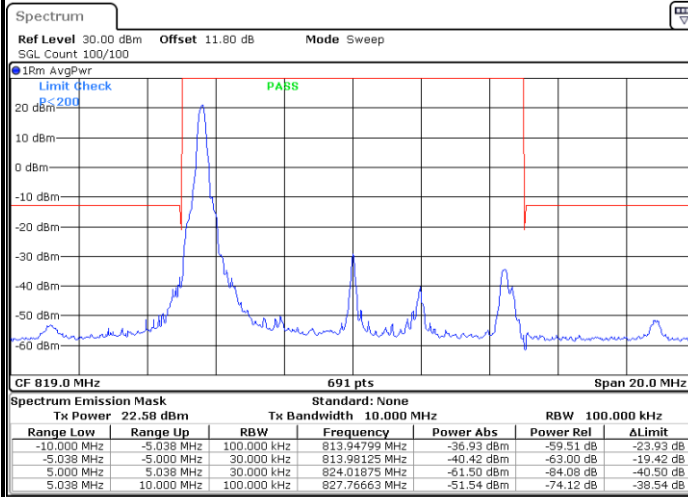


Date: 7.FEB.2018 00:54:05

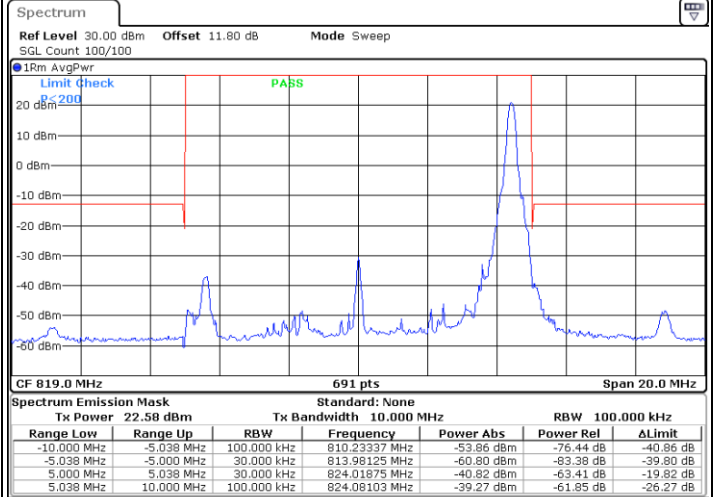


LTE Band 26 / 10MHz / 16QAM

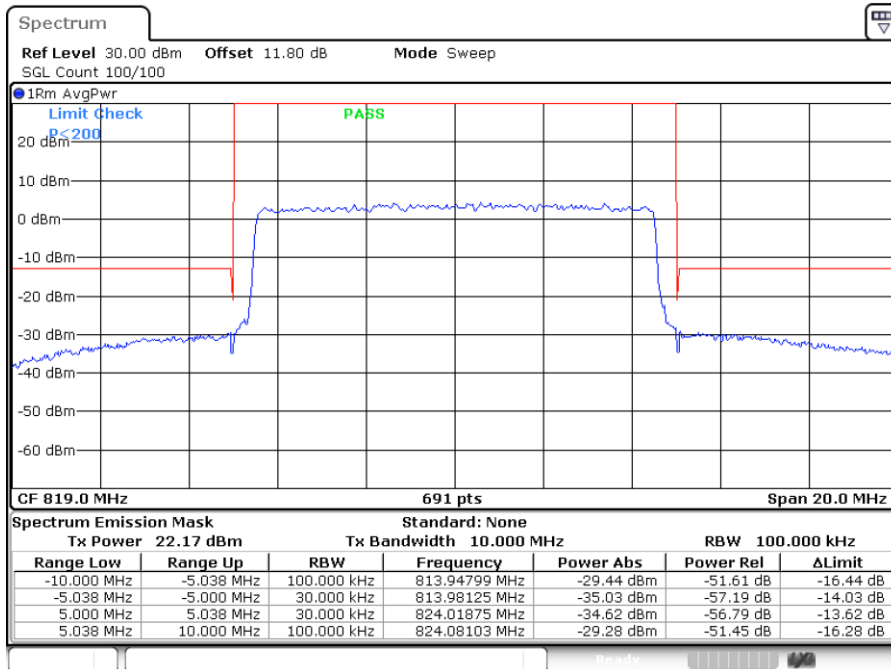
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



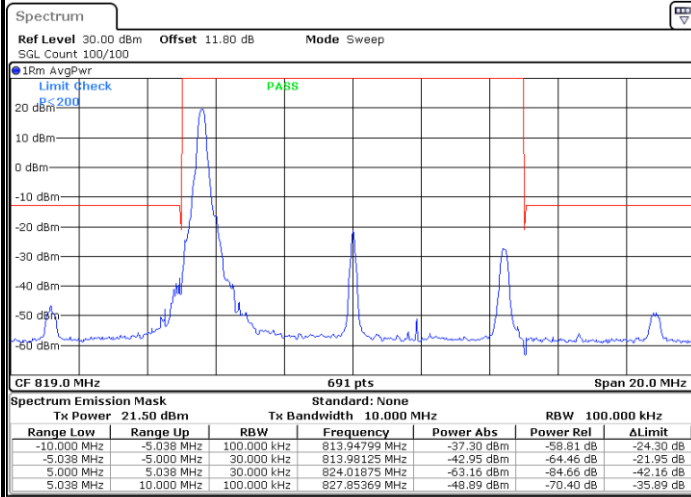
Band Edge / Full RB



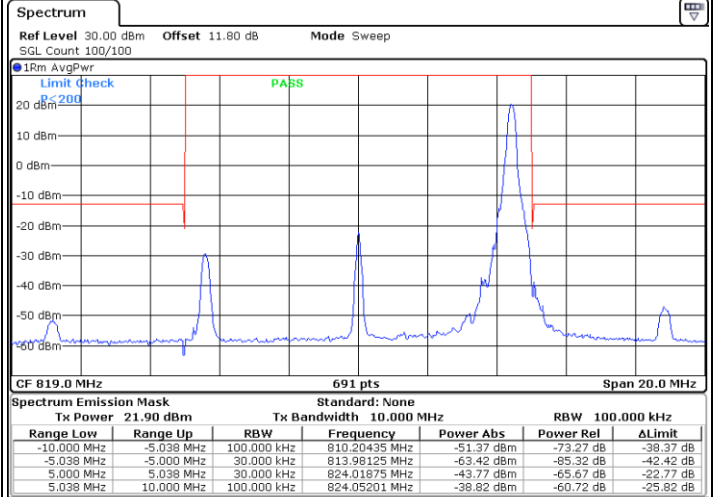


LTE Band 26 / 10MHz / 64QAM

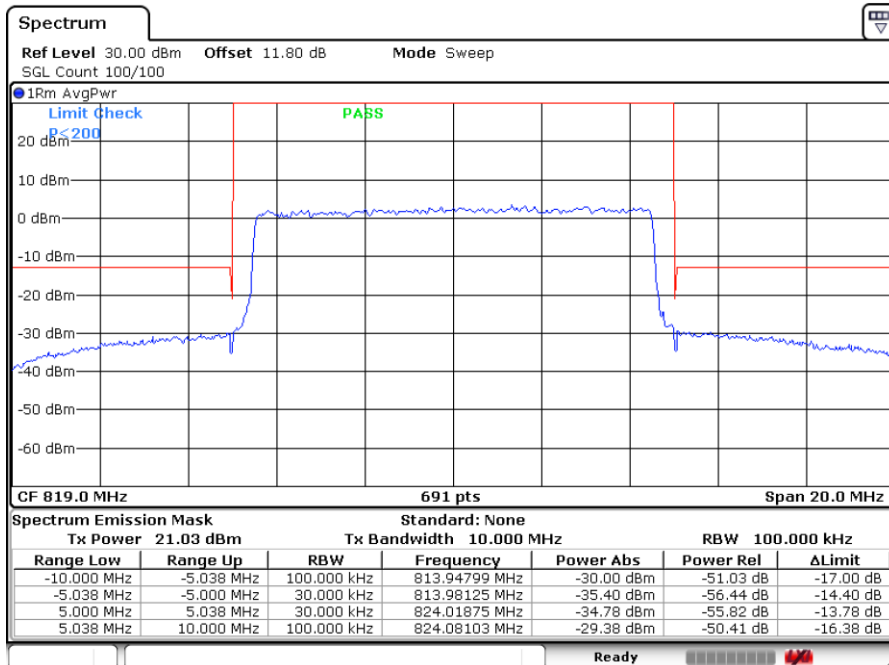
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



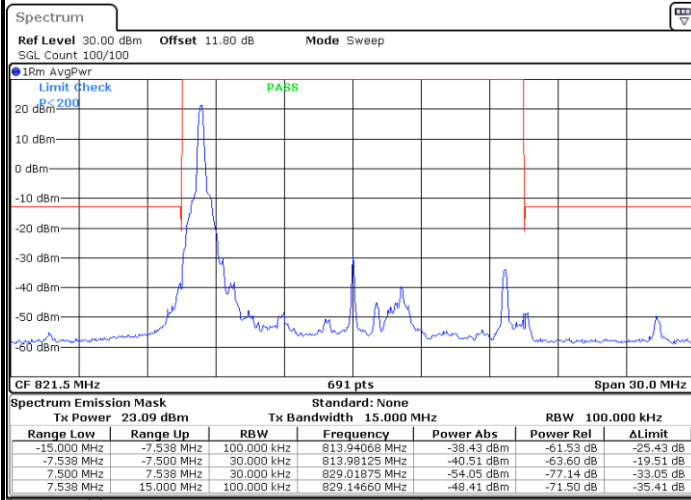
Band Edge / Full RB





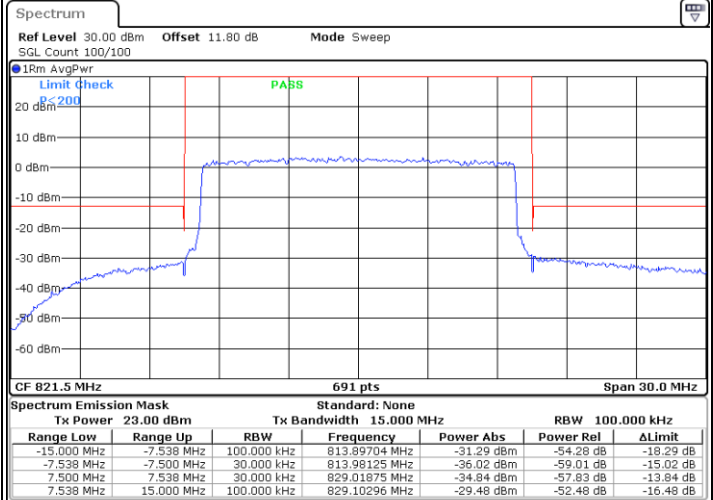
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 7.FEB.2018 00:56:24

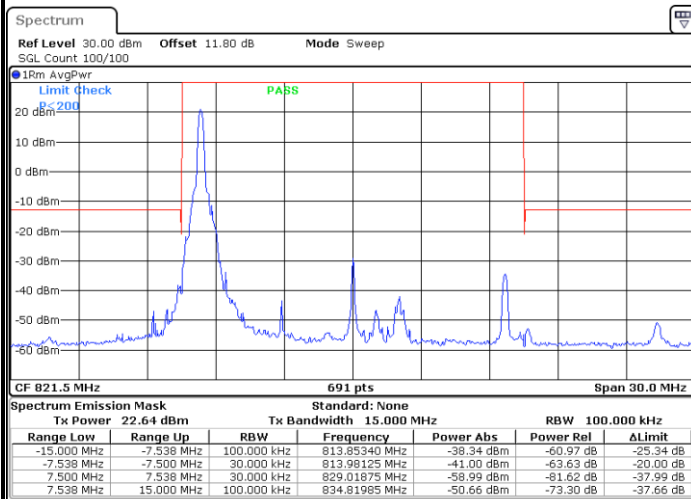
Lowest Band Edge / Full RB



Date: 7.FEB.2018 01:01:02

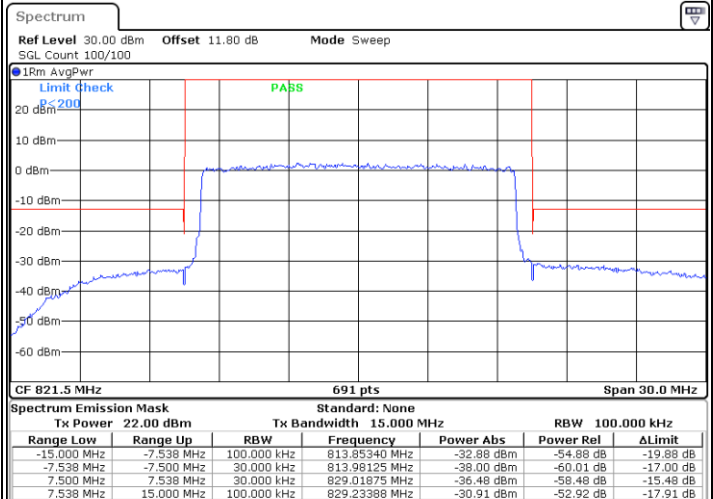
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 7.FEB.2018 00:57:33

Lowest Band Edge / Full RB

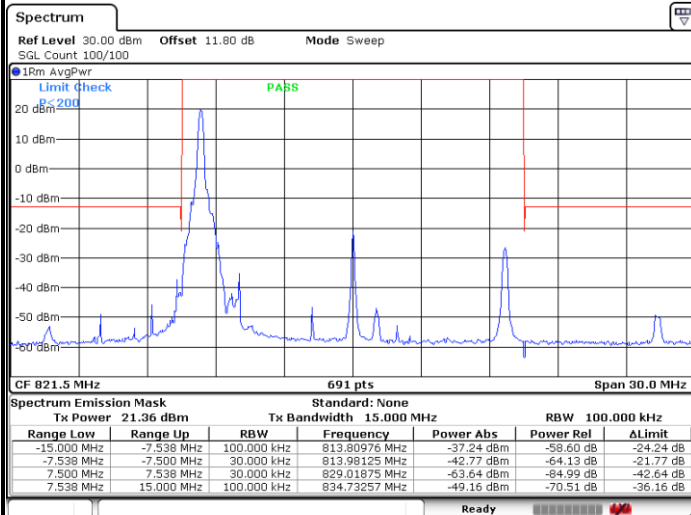


Date: 7.FEB.2018 01:02:11



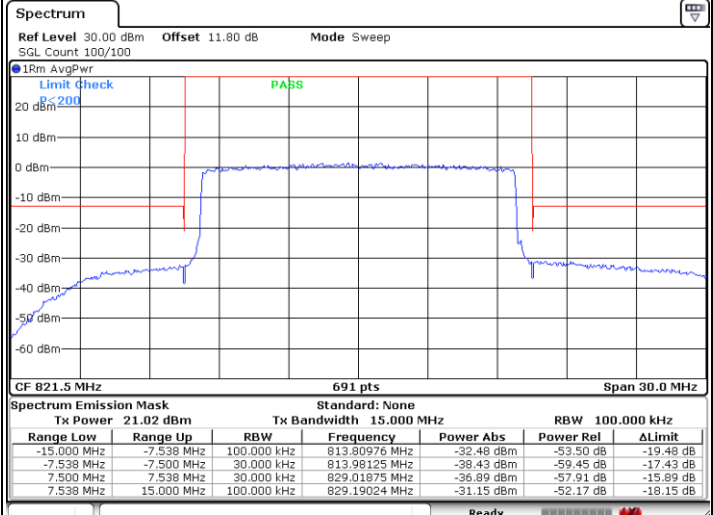
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 8.FEB.2018 22:22:01

Lowest Band Edge / Full RB



Date: 8.FEB.2018 22:24:23

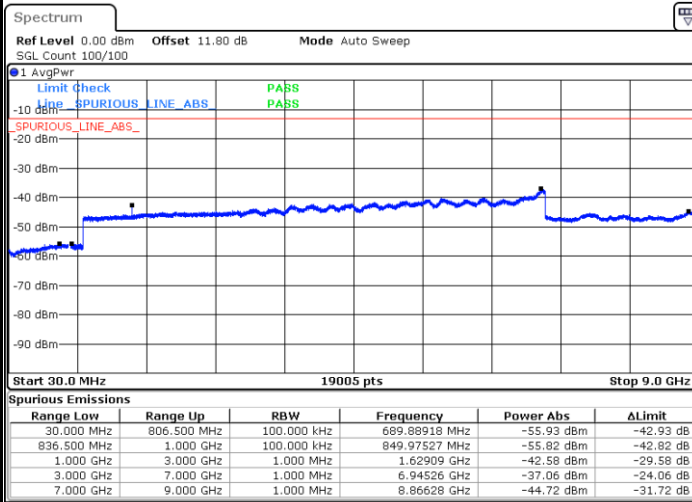


Conducted Spurious Emission



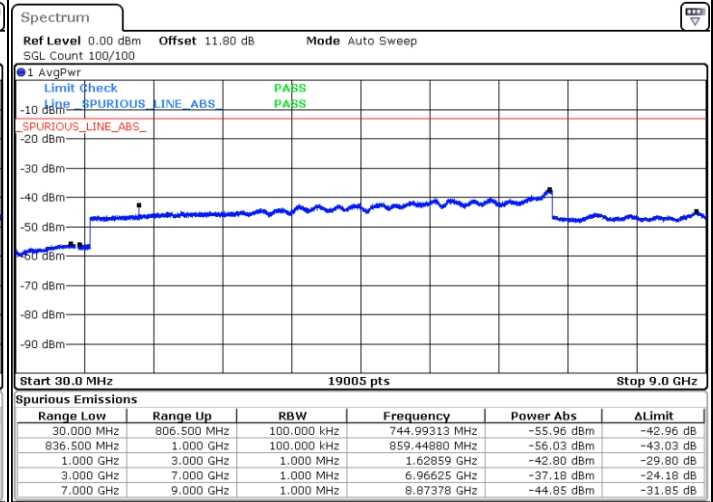
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



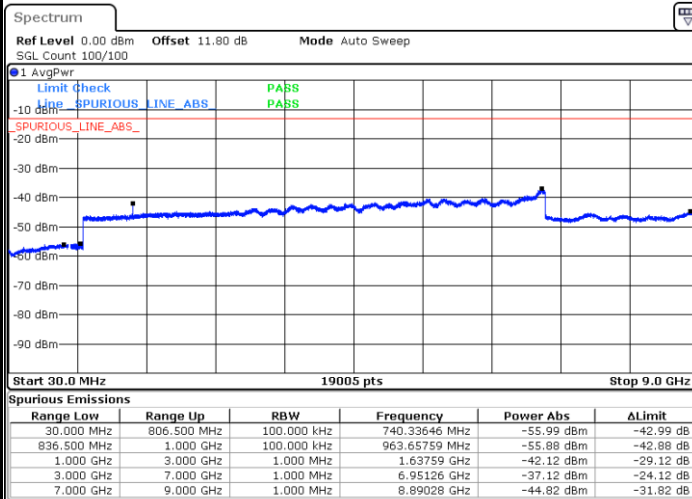
Date: 7.FEB.2018 01:28:34

Lowest Channel / 16QAM



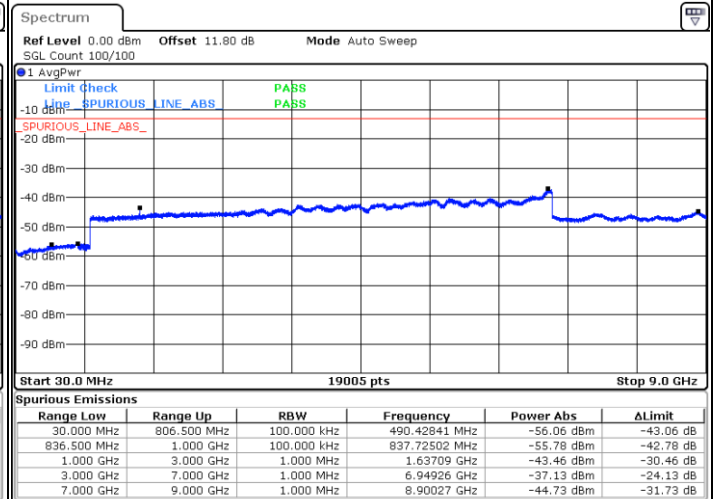
Date: 7.FEB.2018 01:29:29

Middle Channel / QPSK



Date: 7.FEB.2018 01:31:11

Middle Channel / 16QAM

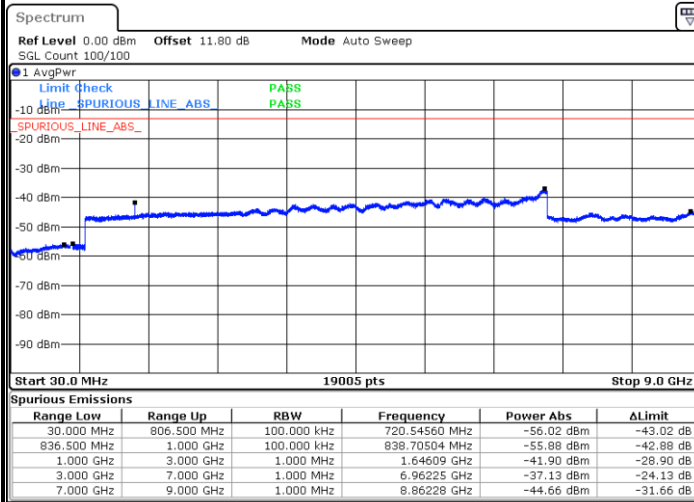


Date: 7.FEB.2018 01:32:07



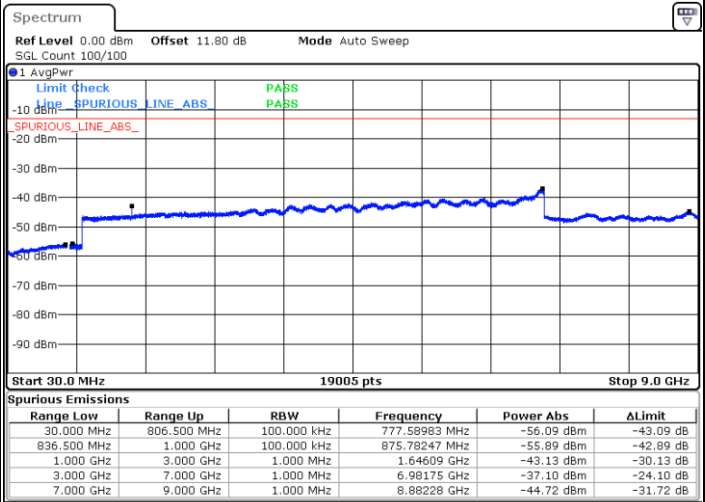
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 7.FEB.2018 01:33:49

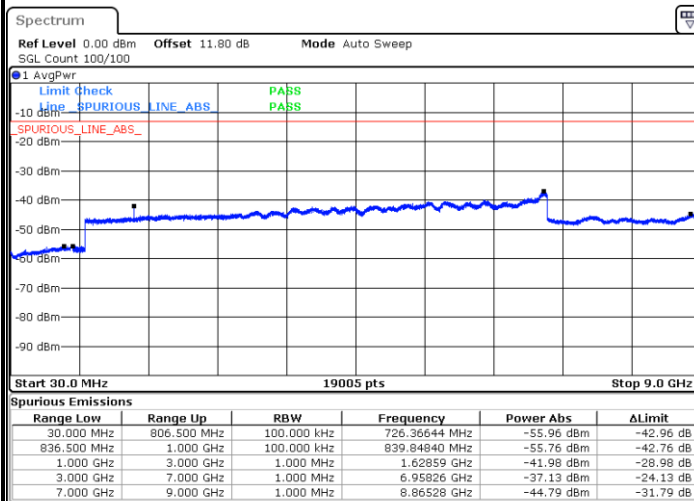
Highest Channel / 16QAM



Date: 7.FEB.2018 01:34:45

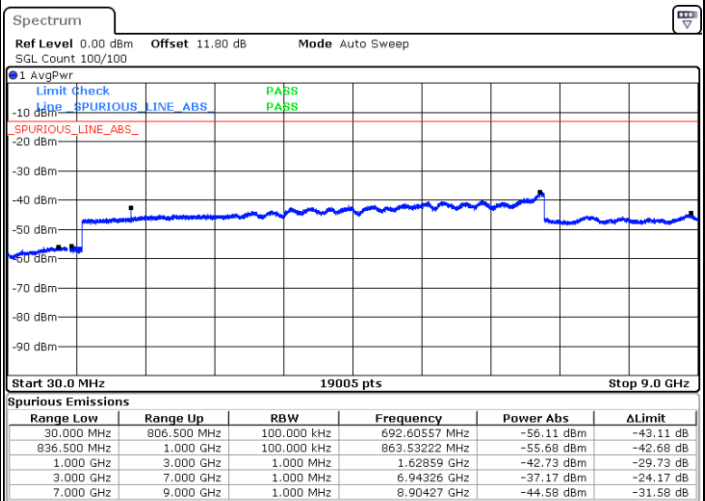
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 7.FEB.2018 01:03:52

Lowest Channel / 16QAM

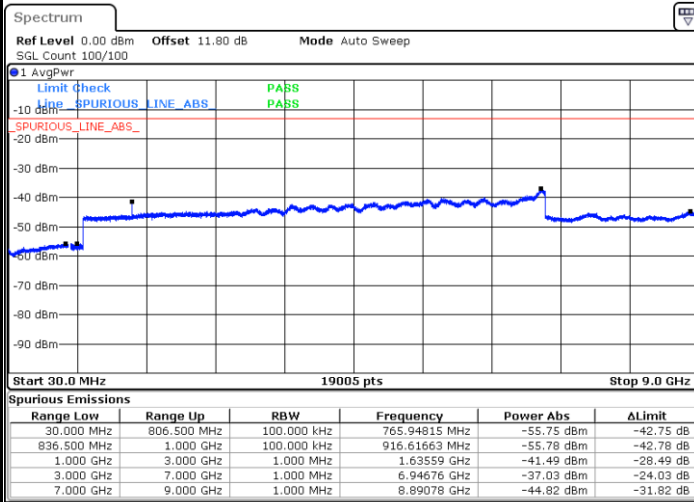


Date: 7.FEB.2018 01:04:48



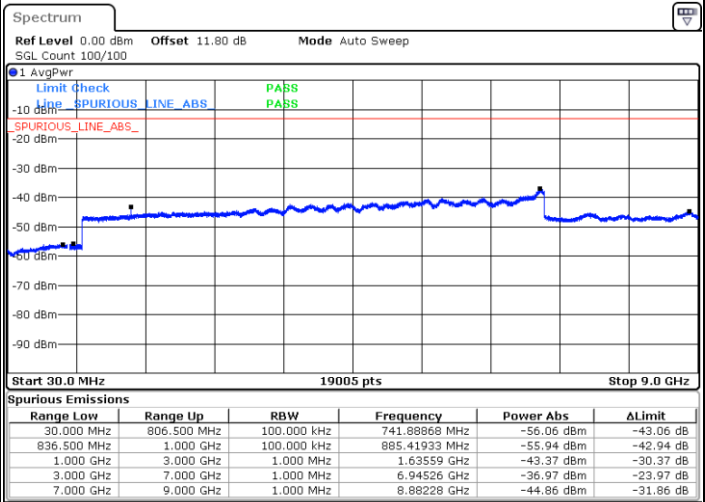
LTE Band 26 / 3MHz

Middle Channel / QPSK



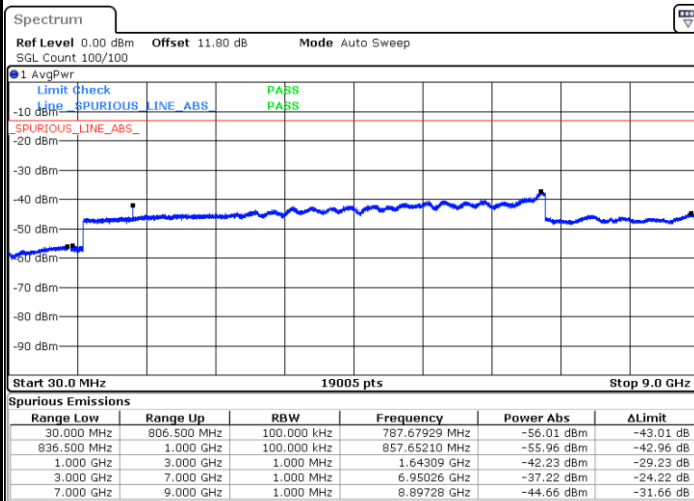
Date: 7.FEB.2018 01:06:30

Middle Channel / 16QAM



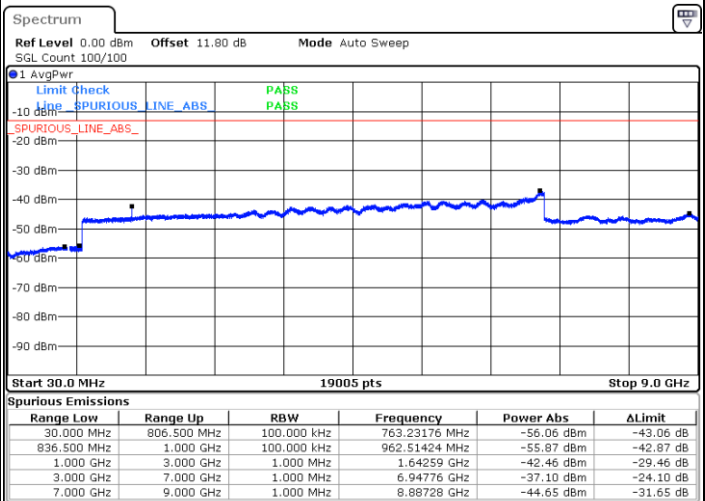
Date: 7.FEB.2018 01:07:26

Highest Channel / QPSK



Date: 7.FEB.2018 01:09:07

Highest Channel / 16QAM

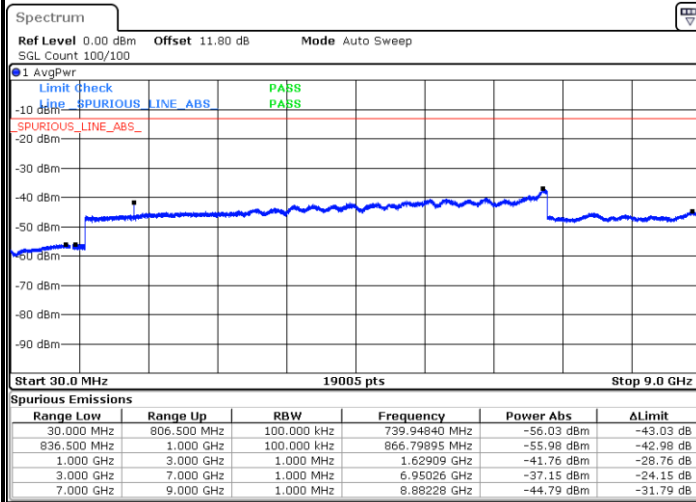


Date: 7.FEB.2018 01:10:03



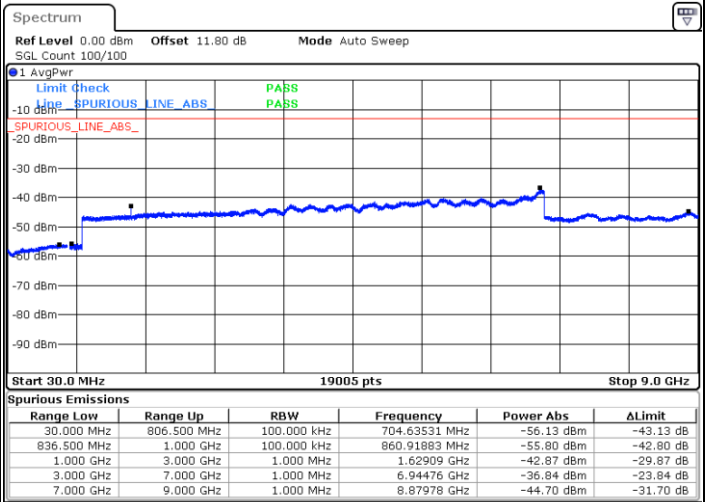
LTE Band 26 / 5MHz

Lowest Channel / QPSK



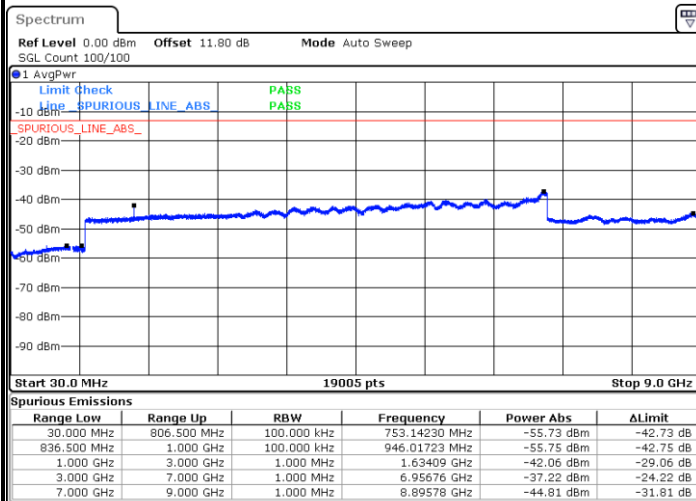
Date: 7.FEB.2018 01:11:45

Lowest Channel / 16QAM



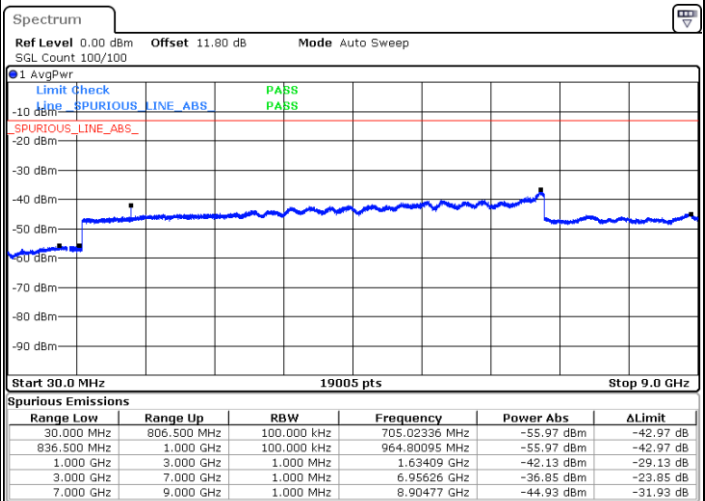
Date: 7.FEB.2018 01:12:41

Middle Channel / QPSK



Date: 7.FEB.2018 01:14:22

Middle Channel / 16QAM

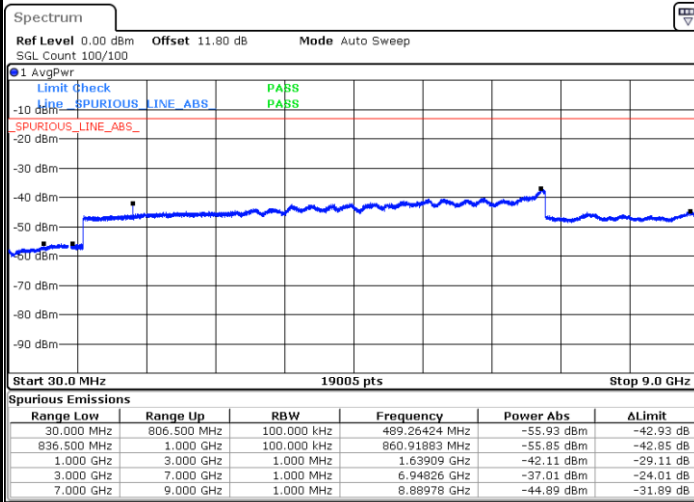


Date: 7.FEB.2018 01:15:17



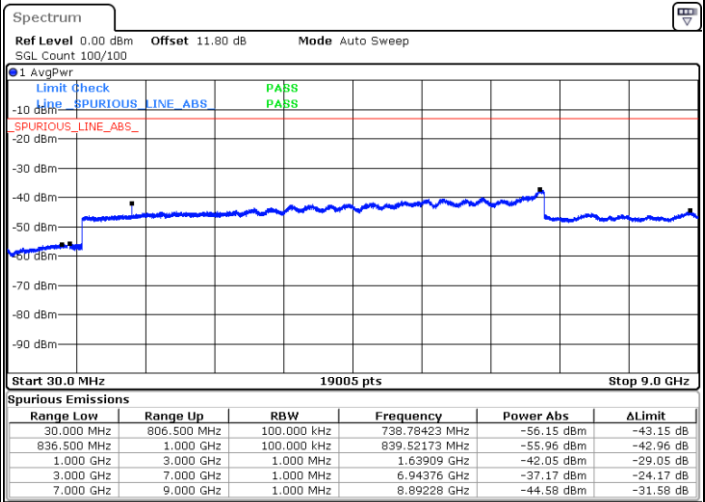
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 7.FEB.2018 01:16:59

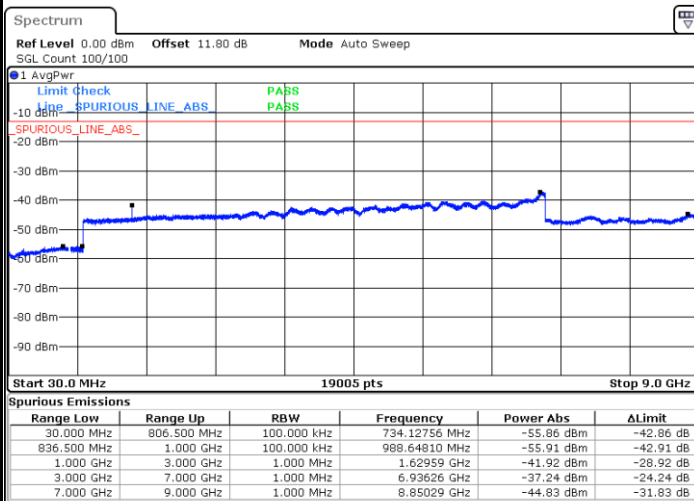
Highest Channel / 16QAM



Date: 7.FEB.2018 01:17:54

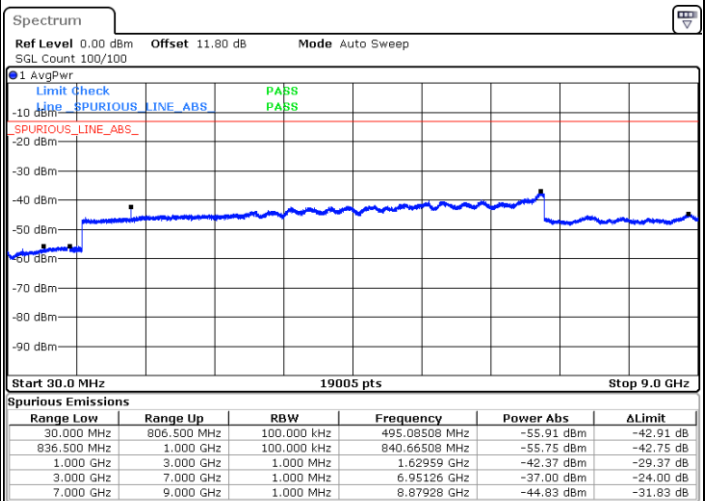
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 7.FEB.2018 01:19:36

Middle Channel / 16QAM

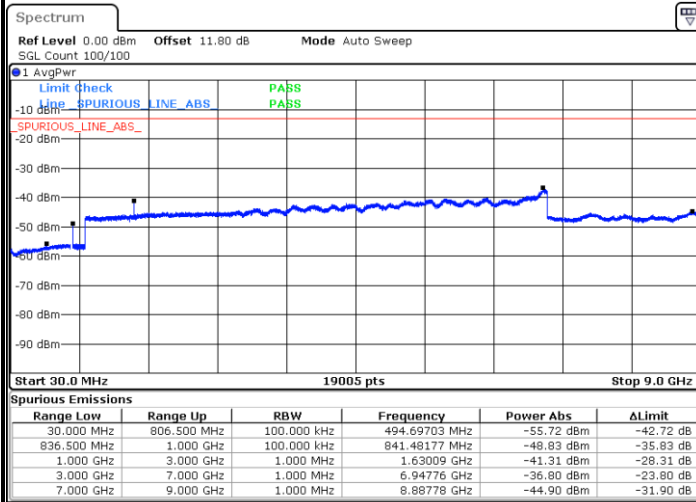


Date: 7.FEB.2018 01:20:31



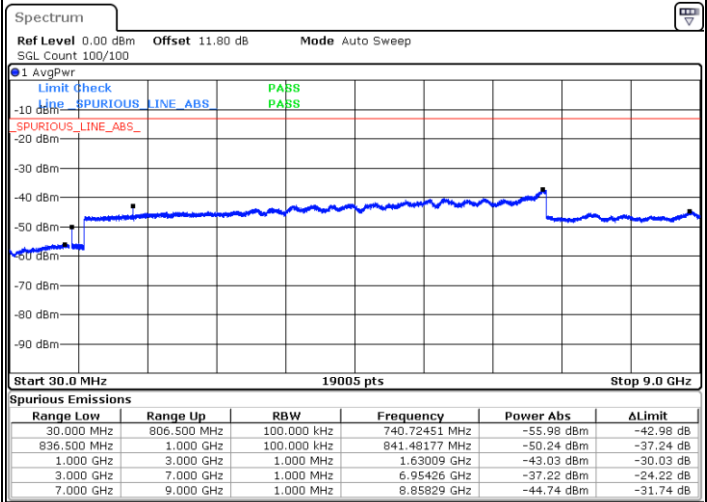
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 7.FEB.2018 01:22:13

Lowest Channel / 16QAM

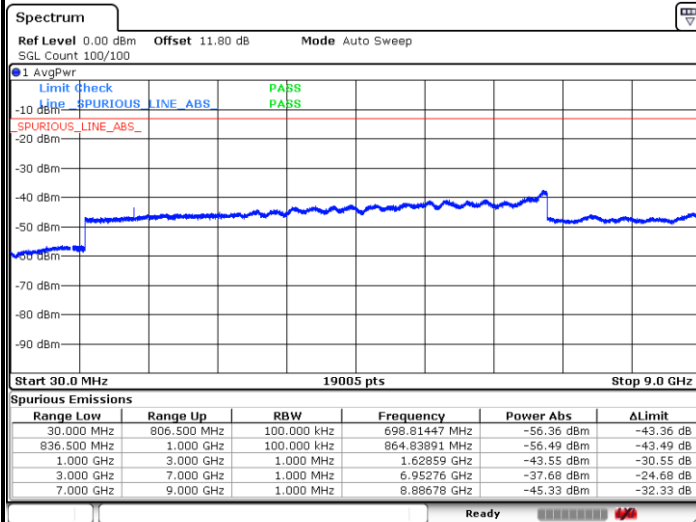


Date: 7.FEB.2018 01:23:09



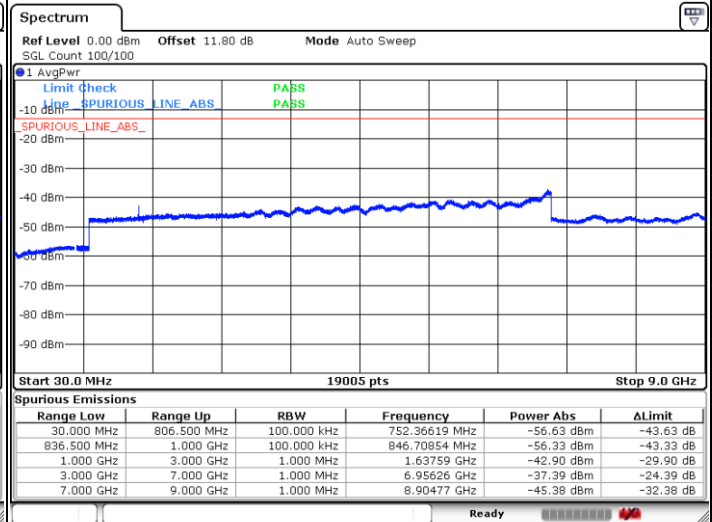
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



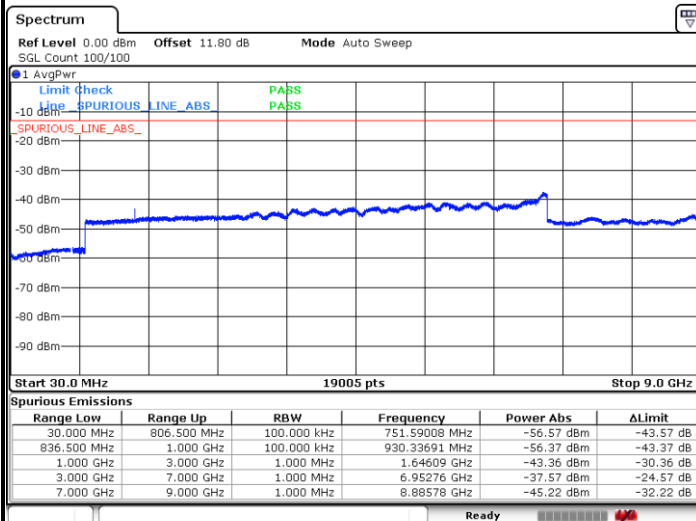
Date: 8.FEB.2018 22:38:49

Middle Channel / 64QAM



Date: 8.FEB.2018 22:40:12

Highest Channel / 64QAM

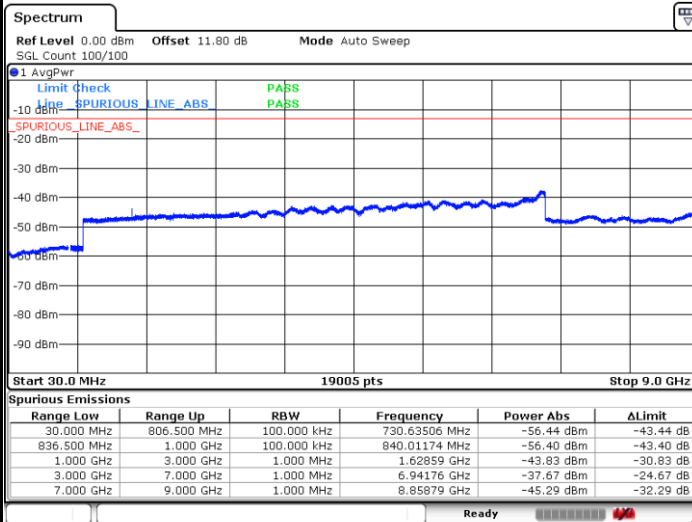


Date: 8.FEB.2018 22:41:35



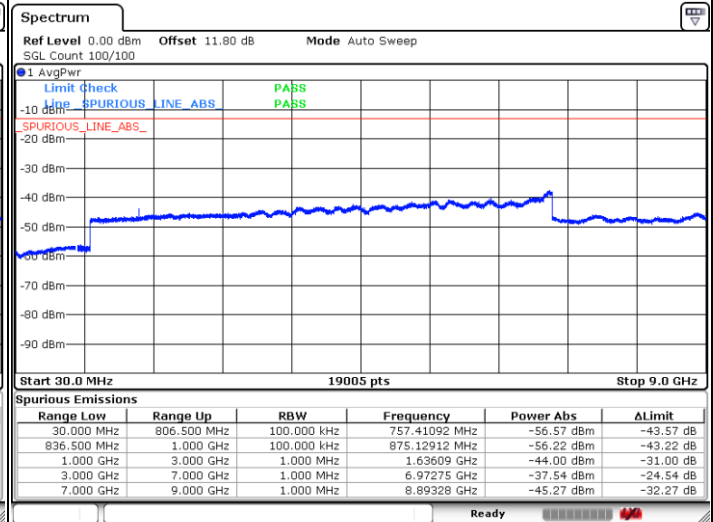
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



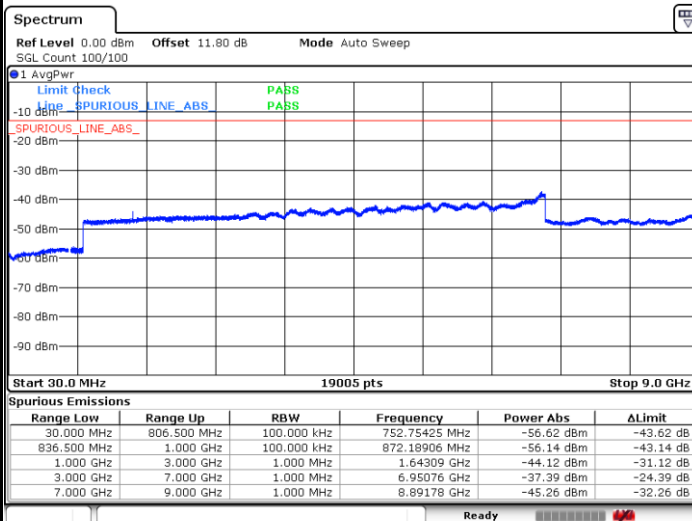
Date: 8.FEB.2018 22:25:45

Middle Channel / 64QAM



Date: 8.FEB.2018 22:27:08

Highest Channel / 64QAM

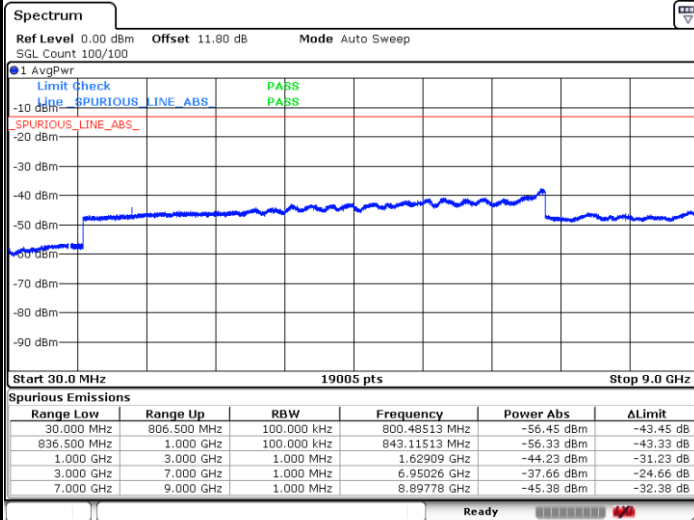


Date: 8.FEB.2018 22:28:31



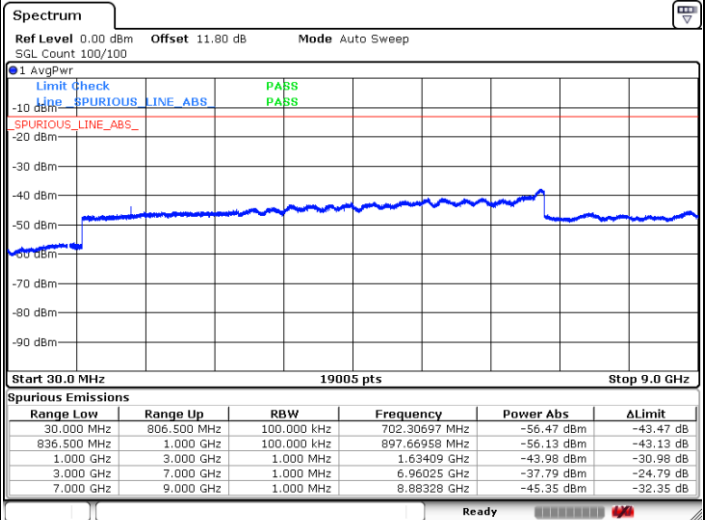
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



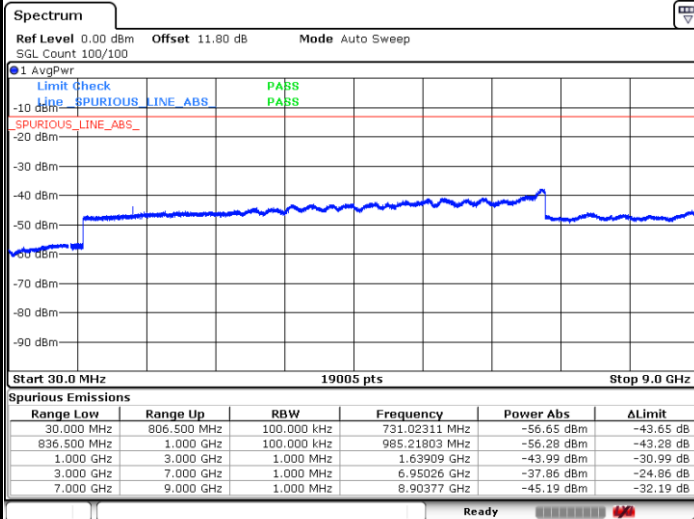
Date: 8.FEB.2018 22:29:54

Middle Channel / 64QAM



Date: 8.FEB.2018 22:31:17

Highest Channel / 64QAM

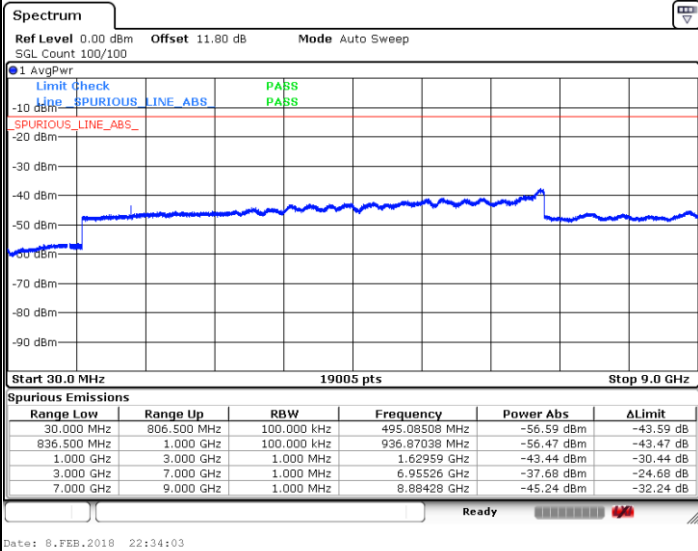


Date: 8.FEB.2018 22:32:40



LTE Band 26 / 10MHz

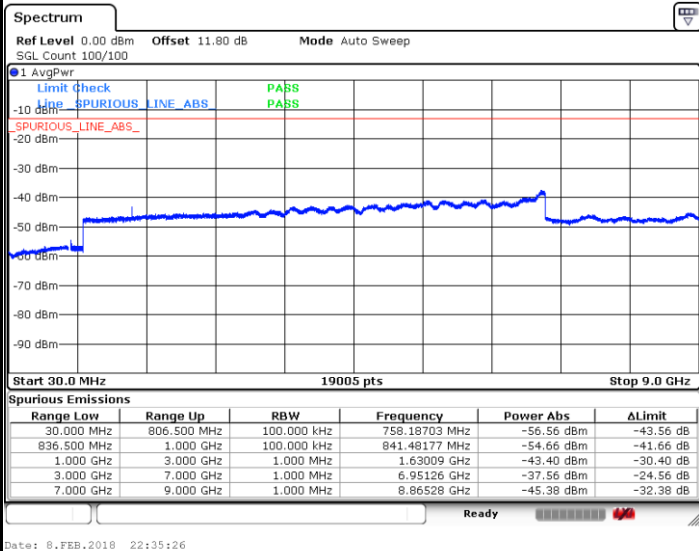
Middle Channel / 64QAM





LTE Band 26 / 15MHz

Lowest Channel / 64QAM



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	0.0026	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0061	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0055	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.38 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	0.0000	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0055	
-10	Normal Voltage	0.0071	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0055	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.38 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	0	23.57	0.23	21.57	0.14
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	22.91	0.20	20.91	0.12
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	21.87	0.15	19.87	0.10
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****Part 90S LTE Band 26**

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	1624	-43.42	-13	-30.42	-52.9	-48.72	1.22	8.67	H
	2440	-59.20	-13	-46.20	-71.81	-66.07	1.43	10.45	H
	3256	-56.81	-13	-43.81	-71.54	-64.66	1.67	11.67	H
									H
									H
									H
	1624	-44.82	-13	-31.82	-53.18	-50.12	1.22	8.67	V
	2440	-59.78	-13	-46.78	-72.12	-66.65	1.43	10.45	V
	3256	-59.37	-13	-46.37	-73.88	-67.22	1.67	11.67	V
									V
									V
									V
Middle	1632	-43.90	-13	-30.90	-53.41	-49.23	1.22	8.70	H
	2456	-59.58	-13	-46.58	-72.14	-66.46	1.43	10.46	H
	3272	-55.26	-13	-42.26	-69.93	-63.14	1.68	11.72	H
	5720	-55.61	-13	-42.61	-73.81	-63.86	2.10	12.51	H
									H
									H
									H
	1632	-45.86	-13	-32.86	-54.25	-51.19	1.22	8.70	V
	2456	-60.54	-13	-47.54	-72.8	-67.42	1.43	10.46	V
	3272	-57.52	-13	-44.52	-71.98	-65.40	1.68	11.72	V
	5720	-56.18	-13	-43.18	-74.36	-64.43	2.10	12.51	V
									V
									V
									V



Highest	1640	-44.76	-13	-31.76	-54.17	-50.12	1.22	8.73	H
	2464	-60.07	-13	-47.07	-72.63	-66.96	1.43	10.47	H
	3288	-55.35	-13	-42.35	-69.97	-63.27	1.70	11.76	H
	5744	-55.62	-13	-42.62	-73.89	-63.91	2.10	12.54	H
									H
									H
									H
	1640	-46.95	-13	-33.95	-55.38	-52.31	1.22	8.73	V
	2464	-59.12	-13	-46.12	-73.38	-66.01	1.43	10.47	V
	3288	-57.27	-13	-44.27	-71.69	-65.19	1.70	11.76	V
	5744	-56.63	-13	-43.63	-74.87	-64.92	2.10	12.54	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	-43.11	-13	-30.11	-52.62	-48.44	1.22	8.70	H
	2440	-59.29	-13	-46.29	-71.9	-66.16	1.43	10.45	H
	3256	-57.29	-13	-44.29	-72.02	-65.14	1.67	11.67	H
									H
									H
									H
									H
	1632	-44.39	-13	-31.39	-52.78	-49.72	1.22	8.70	V
	2440	-59.84	-13	-46.84	-72.18	-66.71	1.43	10.45	V
	3256	-59.10	-13	-46.10	-73.61	-66.95	1.67	11.67	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	1632	-43.57	-13	-30.57	-53.08	-48.90	1.22	8.70	H
	2440	-57.91	-13	-44.91	-70.52	-64.78	1.43	10.45	H
	3256	-56.53	-13	-43.53	-71.26	-64.38	1.67	11.67	H
									H
									H
									H
									H
	1632	-45.55	-13	-32.55	-53.94	-50.88	1.22	8.70	V
	2440	-60.22	-13	-47.22	-72.56	-67.09	1.43	10.45	V
	3256	-59.18	-13	-46.18	-73.69	-67.03	1.67	11.67	V
									V
									V
									V
									V

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