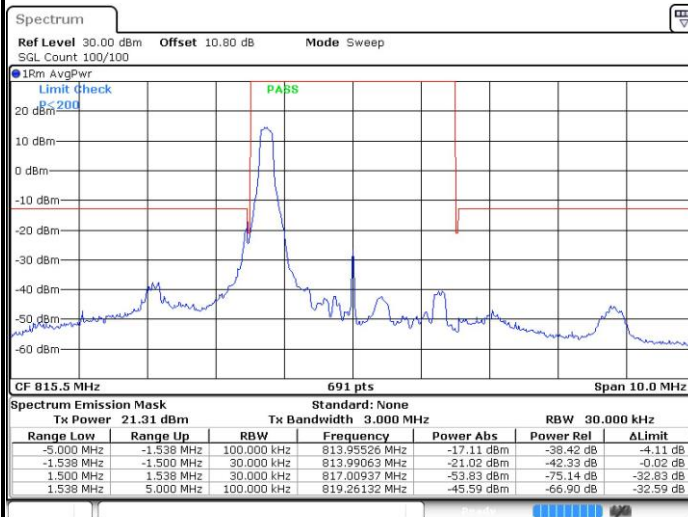


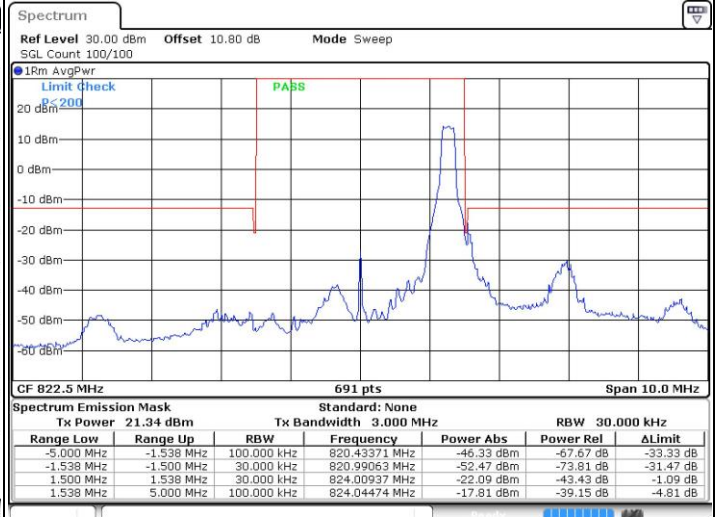


LTE Band 26 / 3MHz / 16QAM

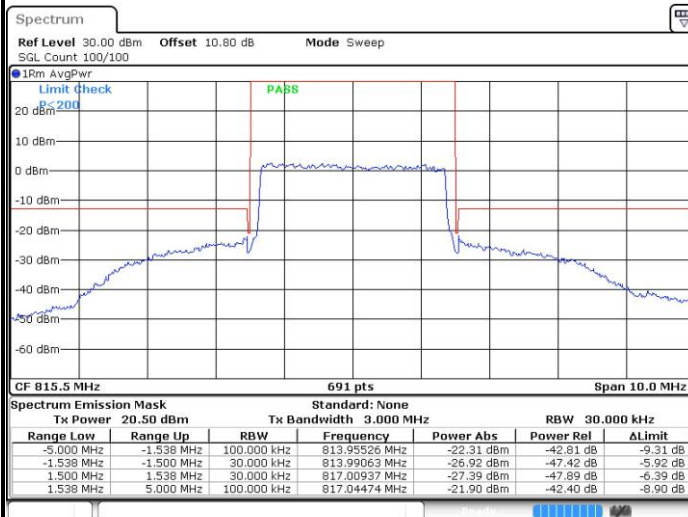
Lowest Band Edge / 1 RB



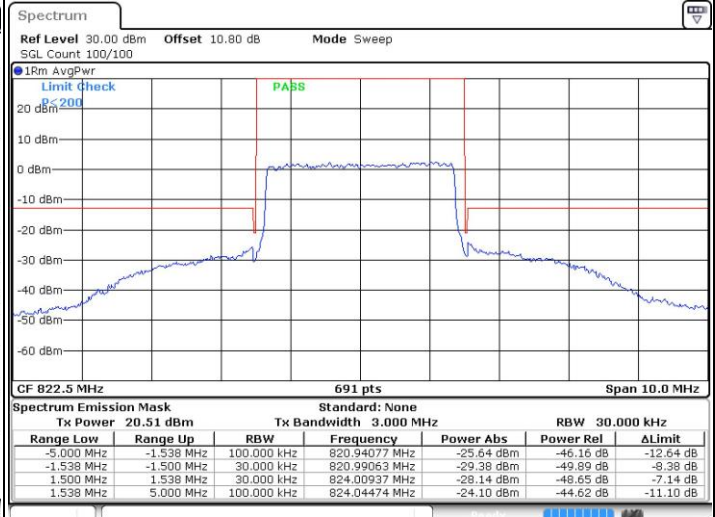
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



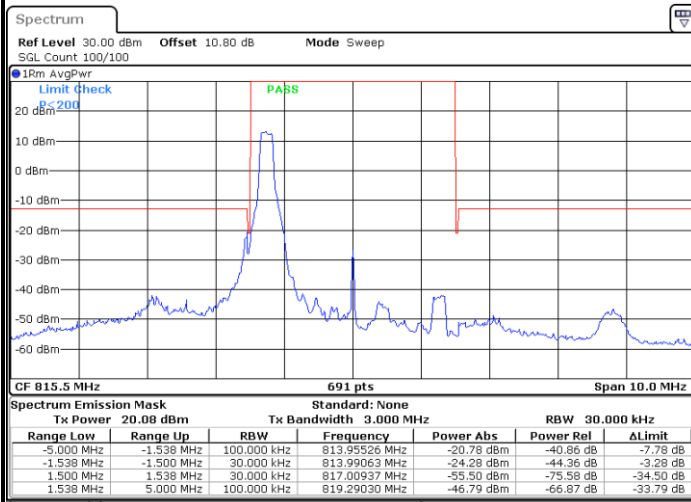
Highest Band Edge / Full RB



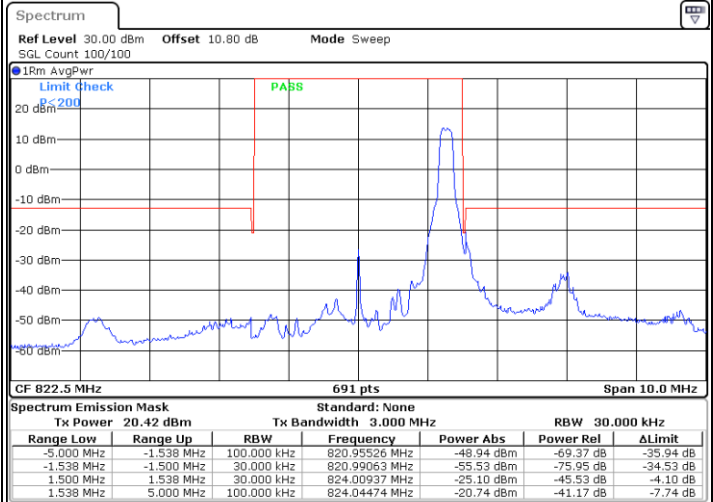


LTE Band 26 / 3MHz / 64QAM

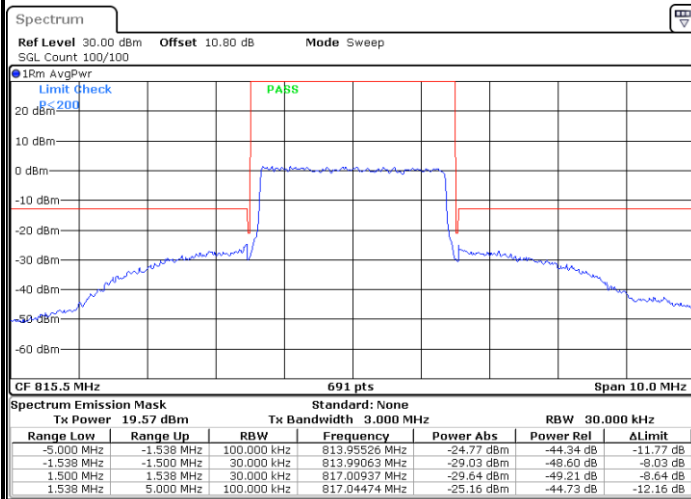
Lowest Band Edge / 1 RB



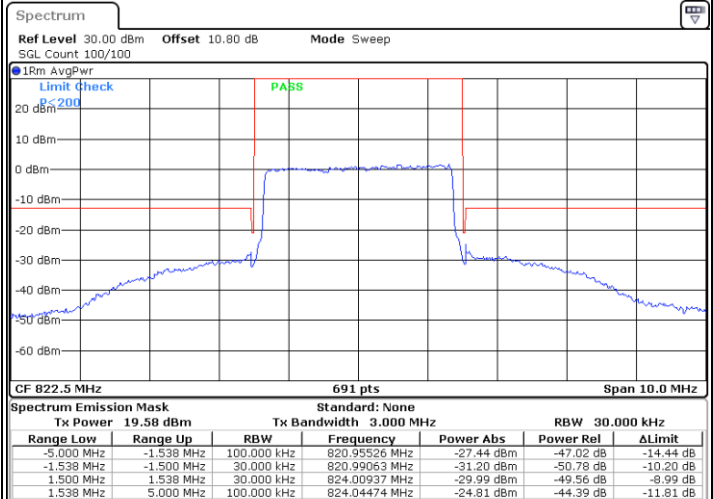
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



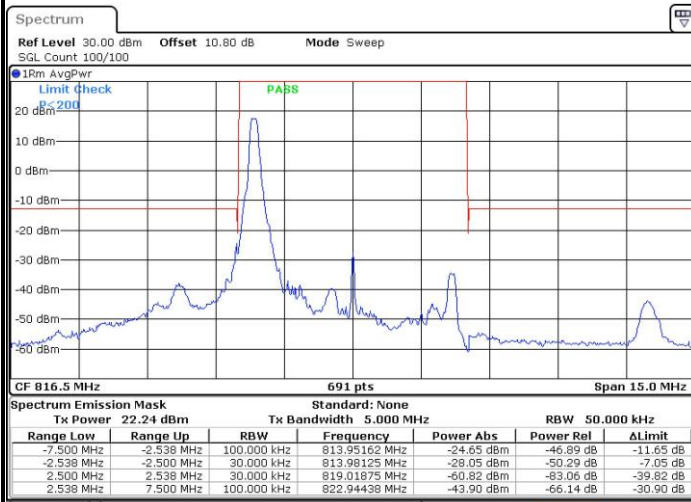
Highest Band Edge / Full RB



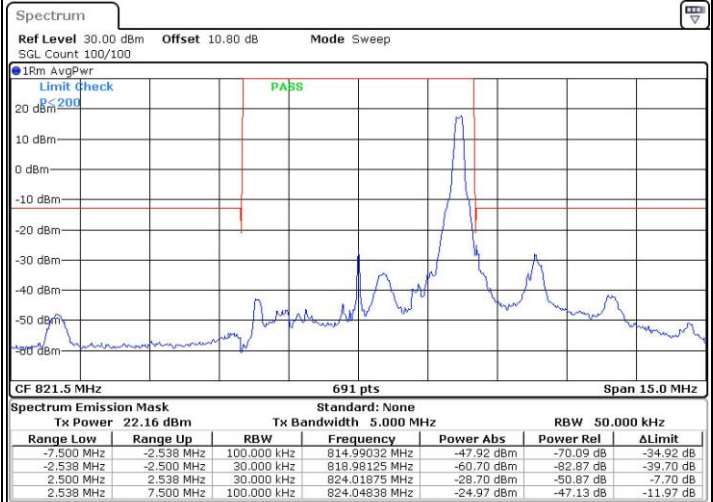


LTE Band 26 / 5MHz / QPSK

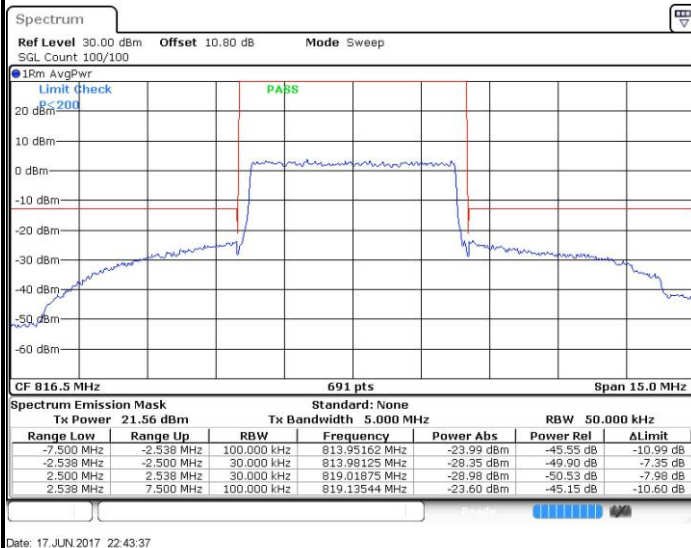
Lowest Band Edge / 1 RB



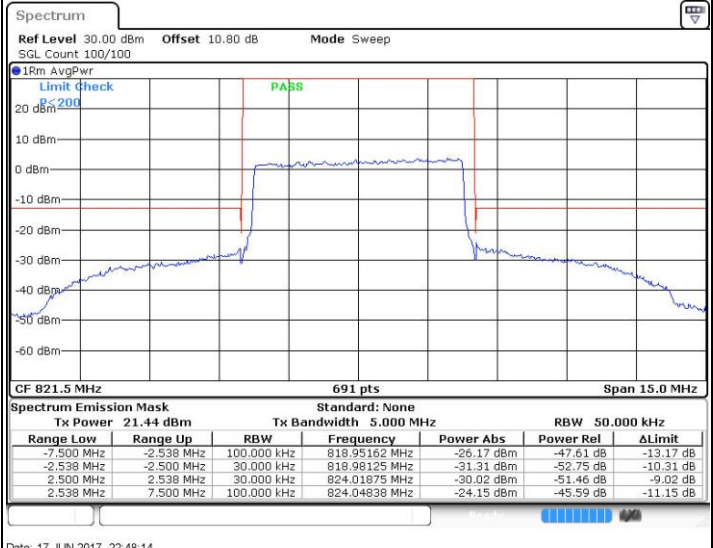
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



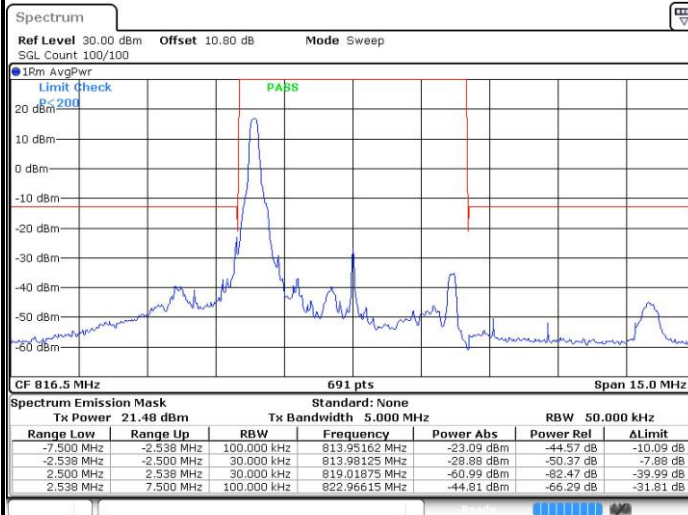
Highest Band Edge / Full RB



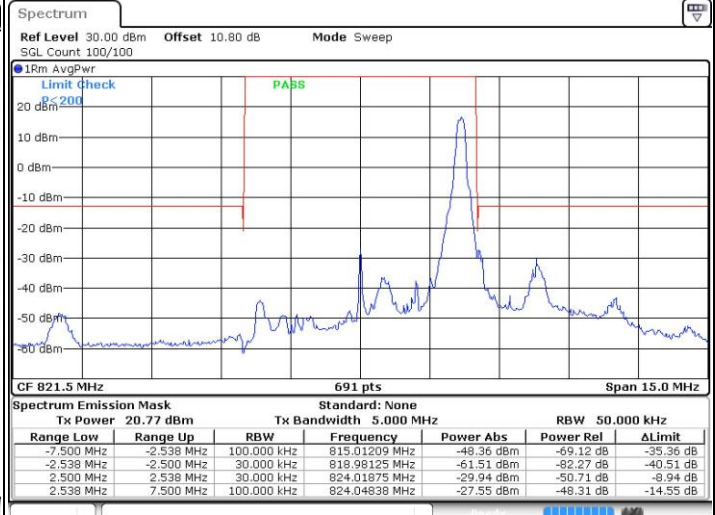


LTE Band 26 / 5MHz / 16QAM

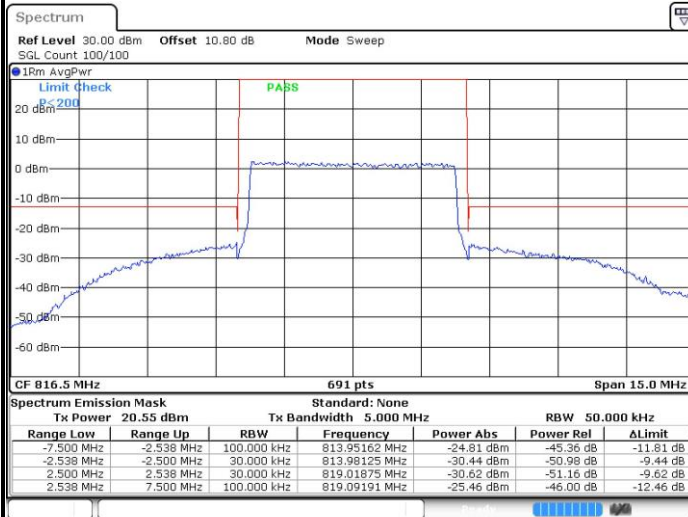
Lowest Band Edge / 1RB



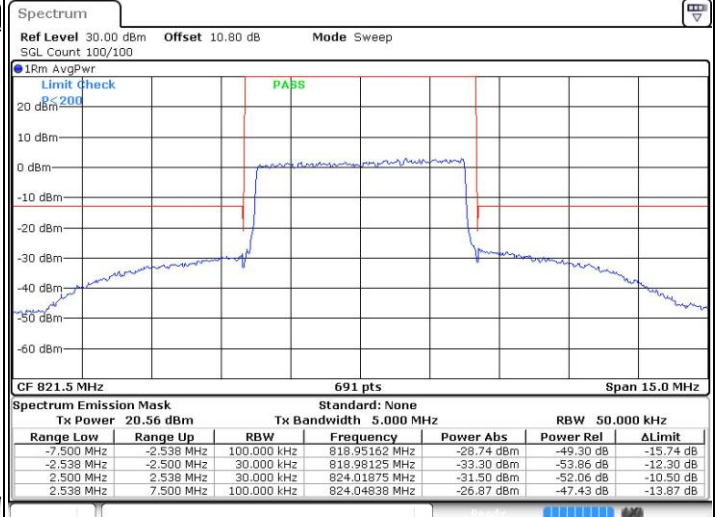
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



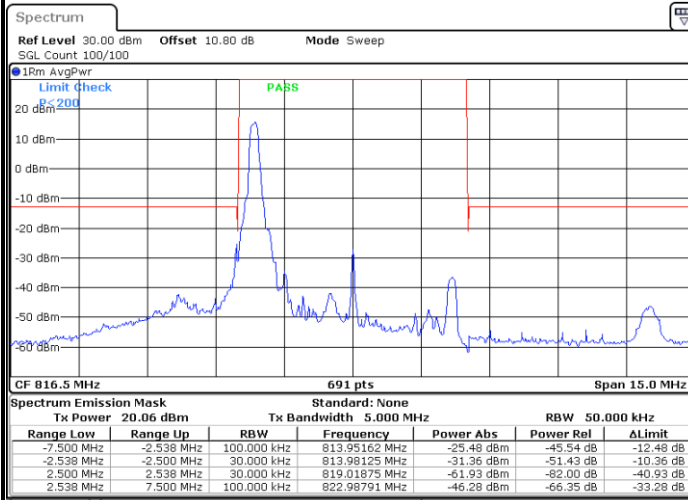
Highest Band Edge / Full RB





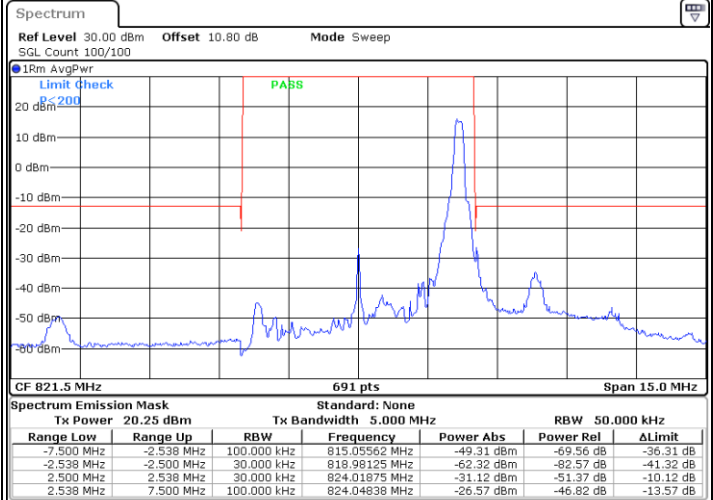
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



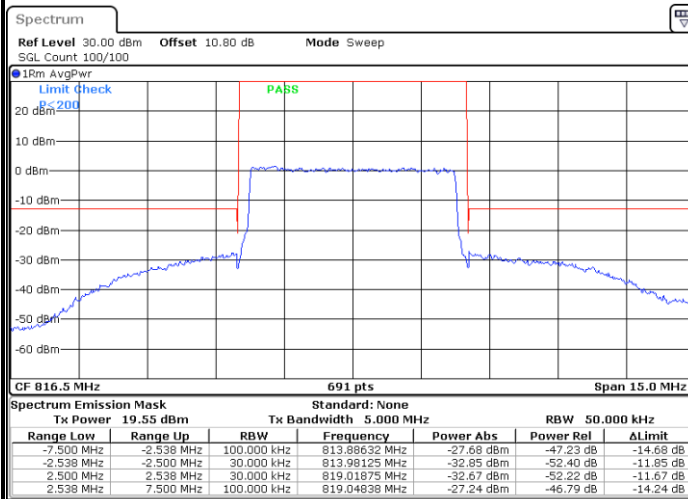
Date: 22 JUN 2017 10:26:50

Highest Band Edge / 1 RB



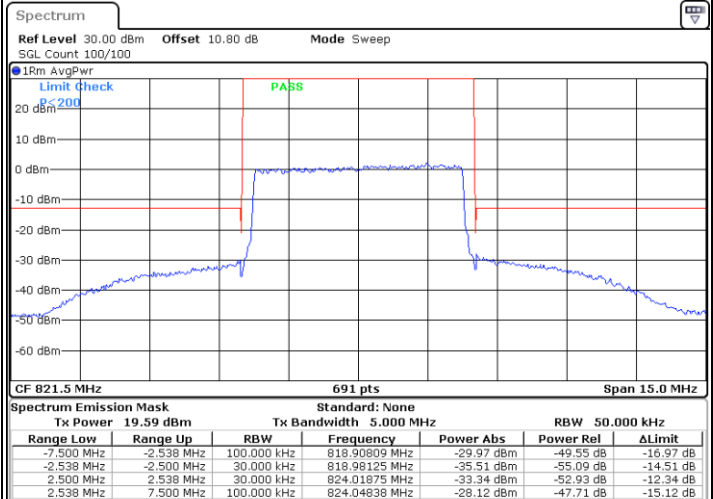
Date: 22 JUN 2017 10:29:08

Lowest Band Edge / Full RB



Date: 22 JUN 2017 10:27:59

Highest Band Edge / Full RB

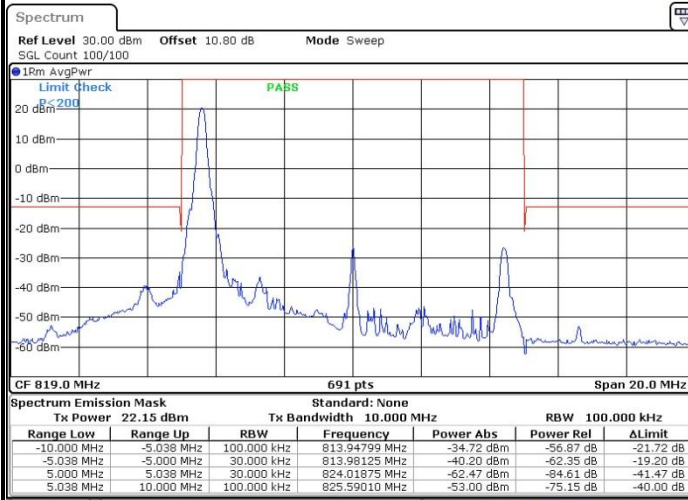


Date: 22 JUN 2017 10:30:17



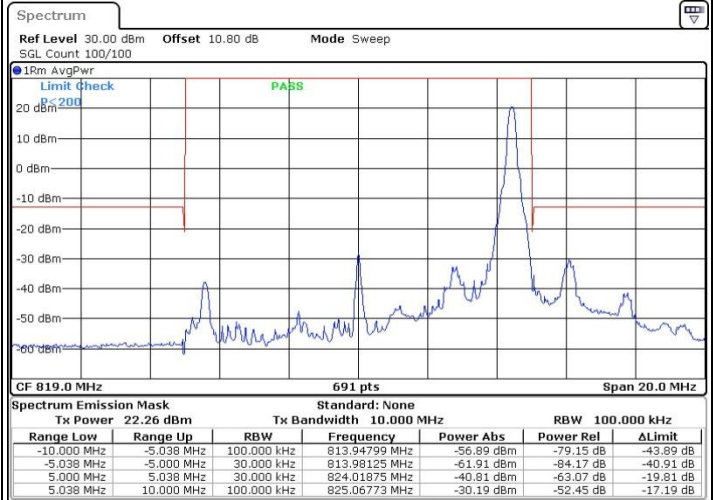
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



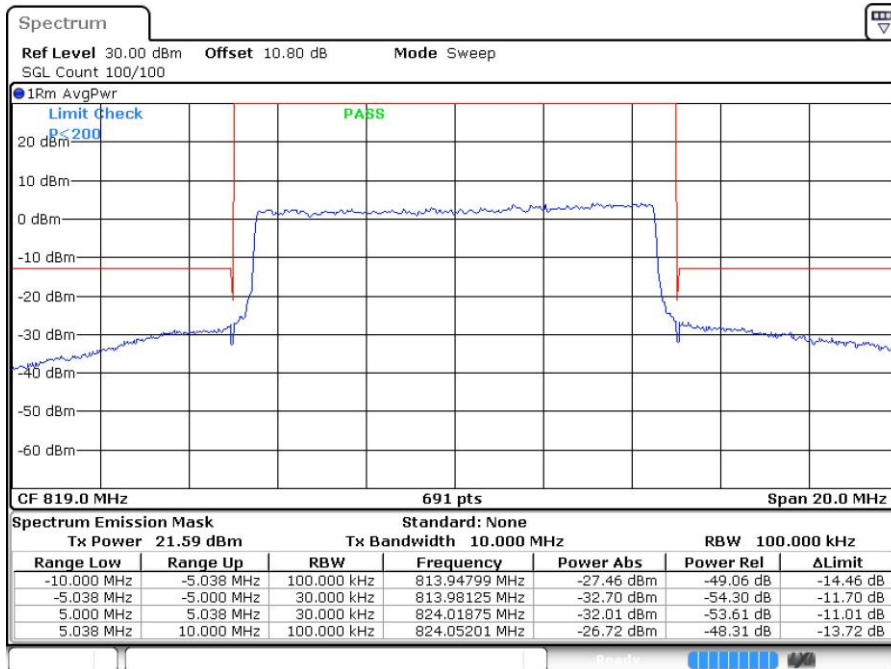
Date: 17 JUN 2017 22:50:33

Highest Band Edge / 1 RB



Date: 17 JUN 2017 22:52:52

Band Edge / Full RB

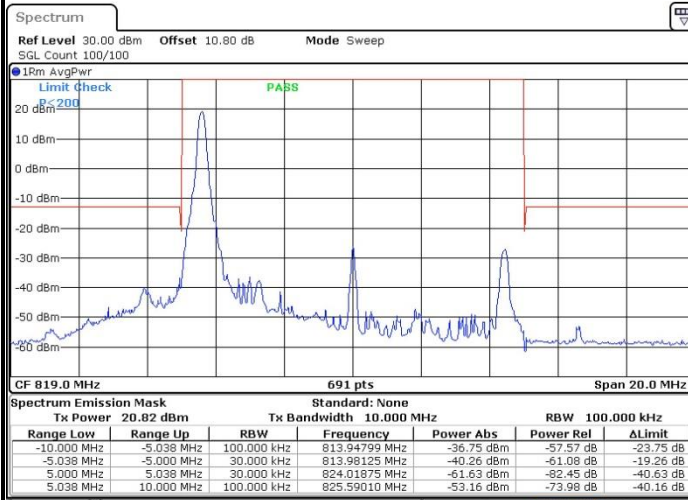


Date: 17 JUN 2017 22:55:11



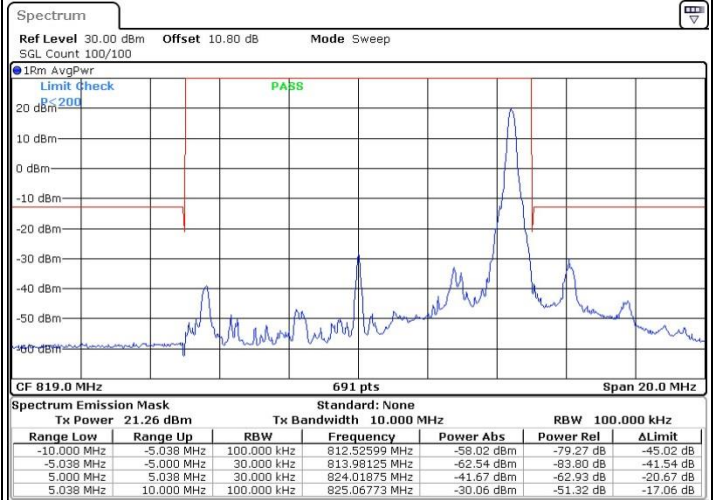
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



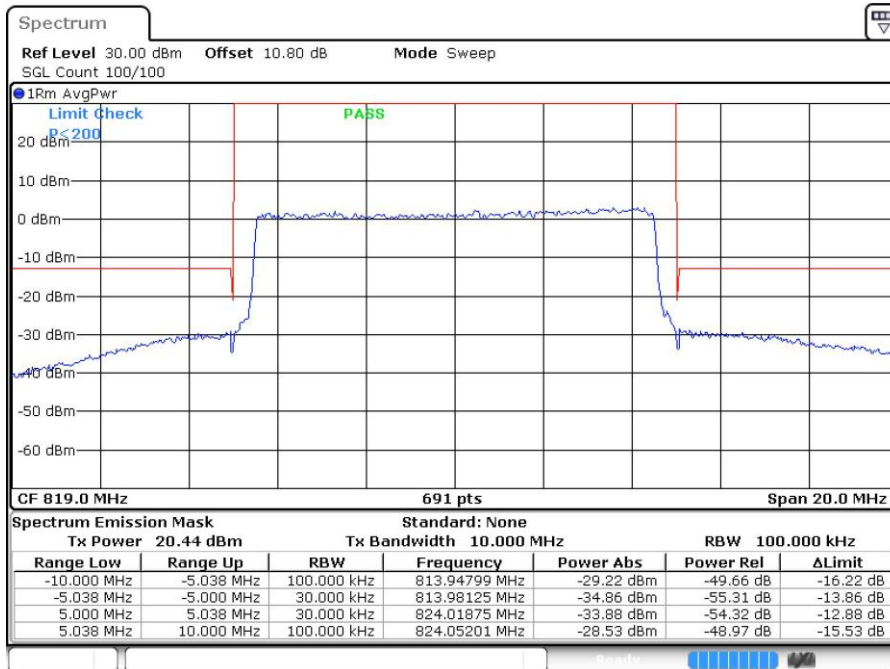
Date: 17 JUN 2017 22:51:43

Highest Band Edge / 1 RB



Date: 17 JUN 2017 22:54:01

Band Edge / Full RB

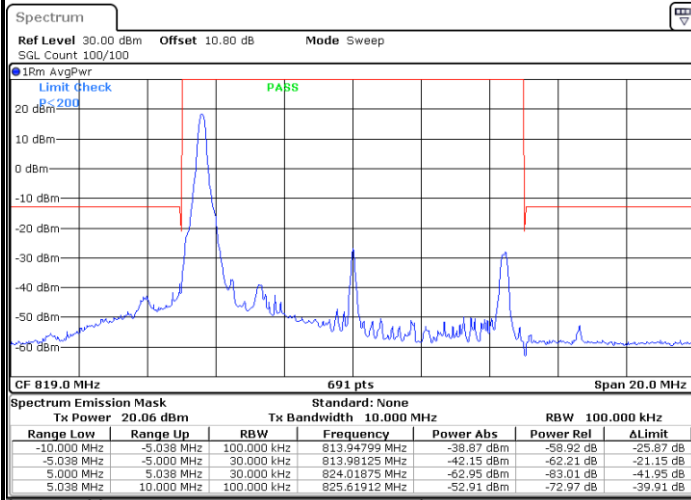


Date: 17 JUN 2017 22:56:20



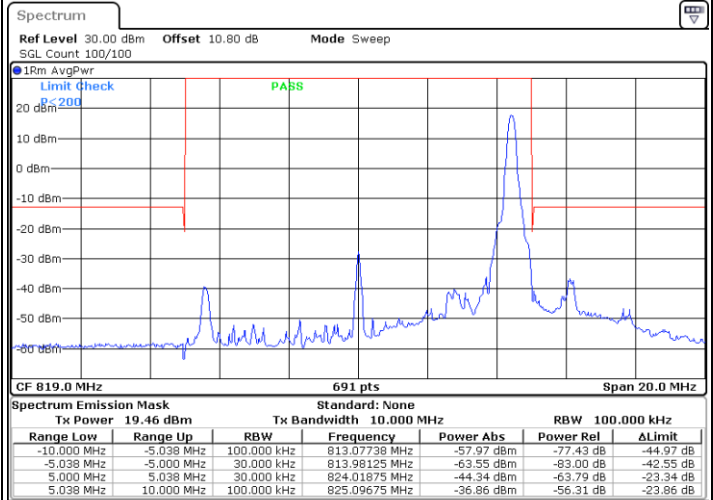
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



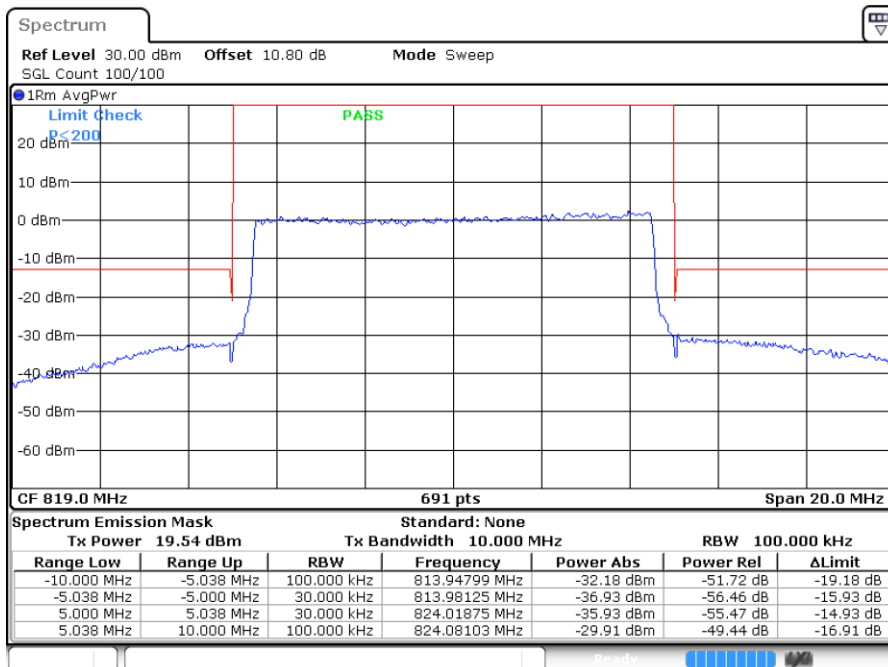
Date: 22 JUN 2017 10:31:26

Highest Band Edge / 1 RB



Date: 22 JUN 2017 10:32:35

Band Edge / Full RB

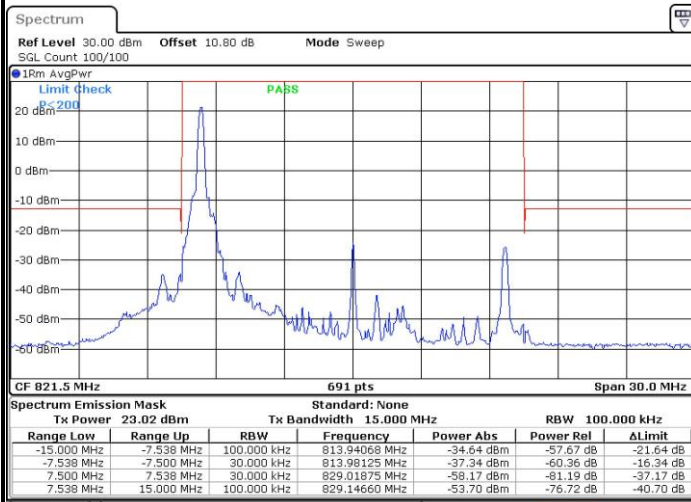


Date: 22 JUN 2017 10:33:44



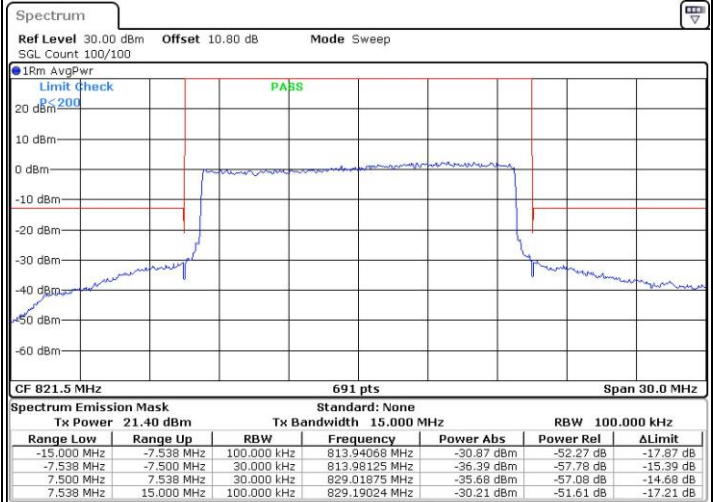
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 17 JUN 2017 22:57:29

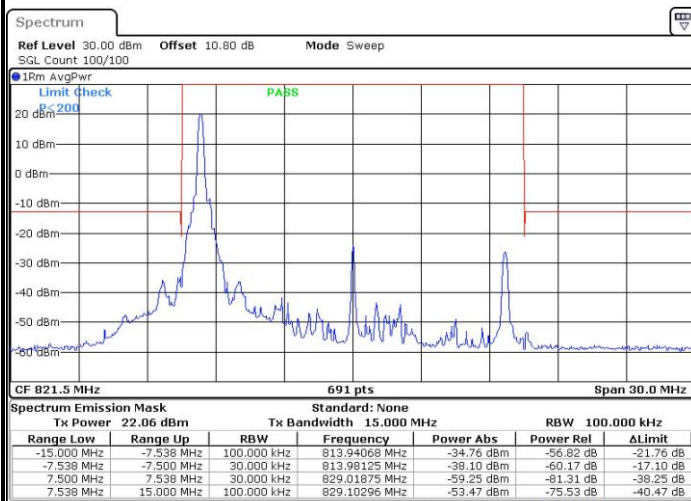
Lowest Band Edge / Full RB



Date: 17 JUN 2017 23:02:07

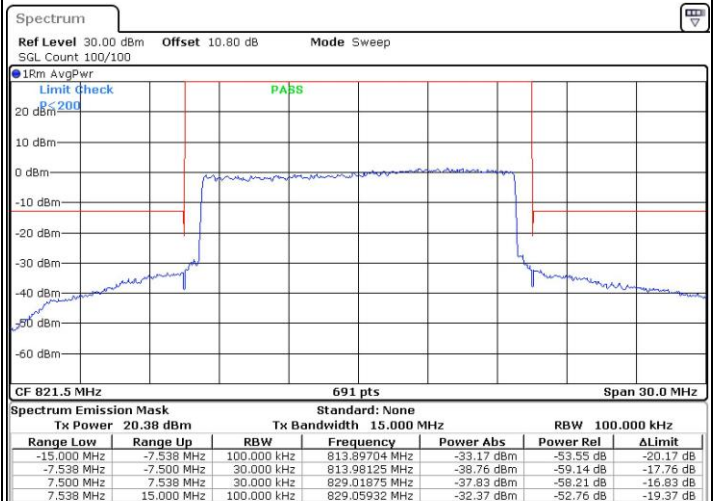
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 17 JUN 2017 22:58:39

Lowest Band Edge / Full RB

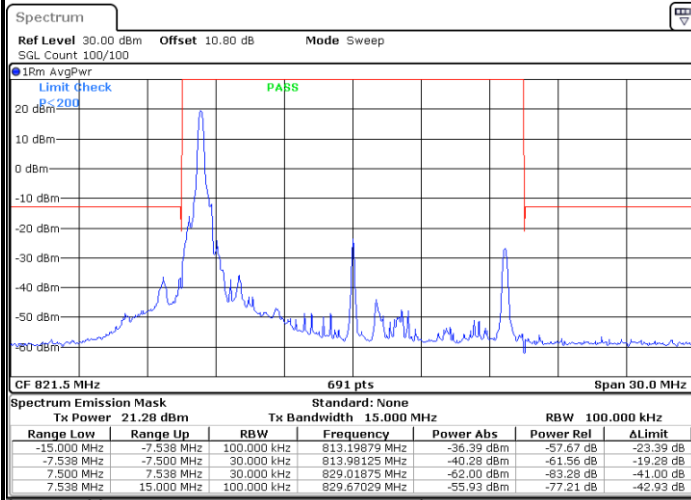


Date: 17 JUN 2017 23:03:17



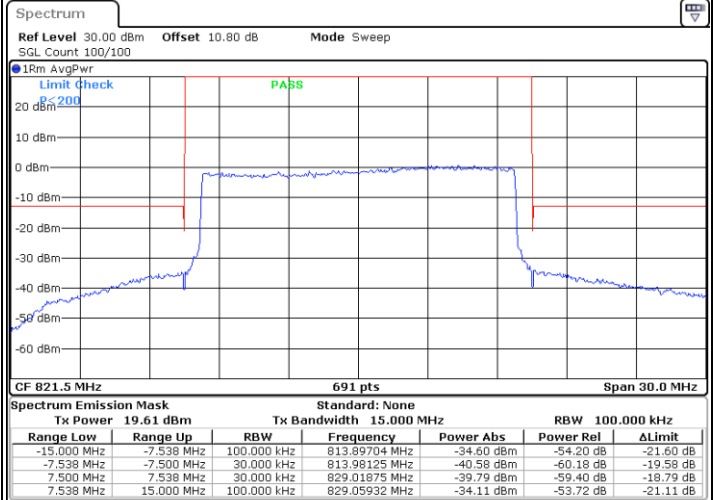
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 22 JUN 2017 10:34:53

Lowest Band Edge / Full RB



Date: 22 JUN 2017 10:37:11

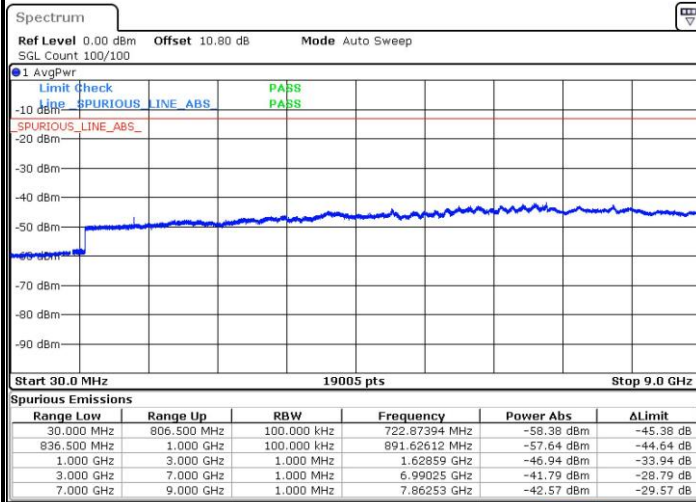


Conducted Spurious Emission



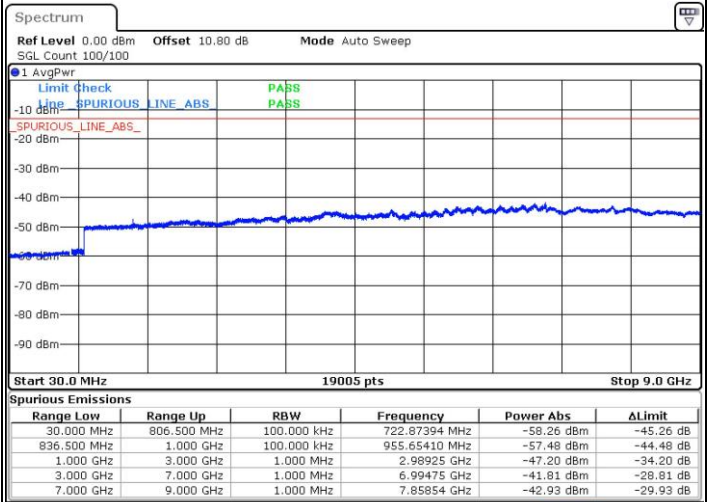
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



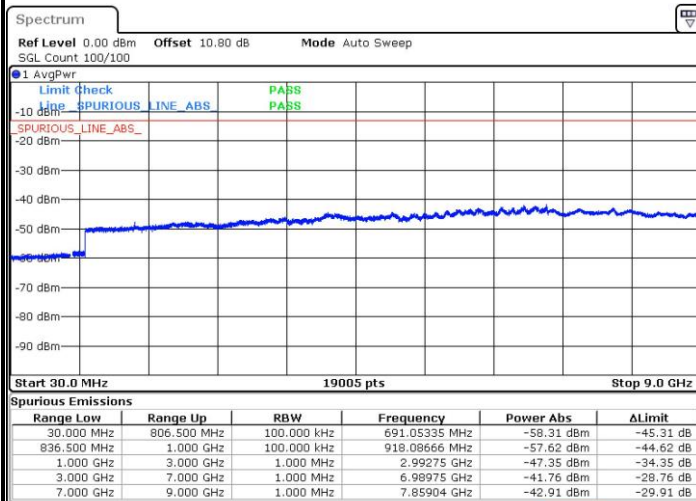
Date: 17 JUN 2017 23:40:46

Lowest Channel / 16QAM



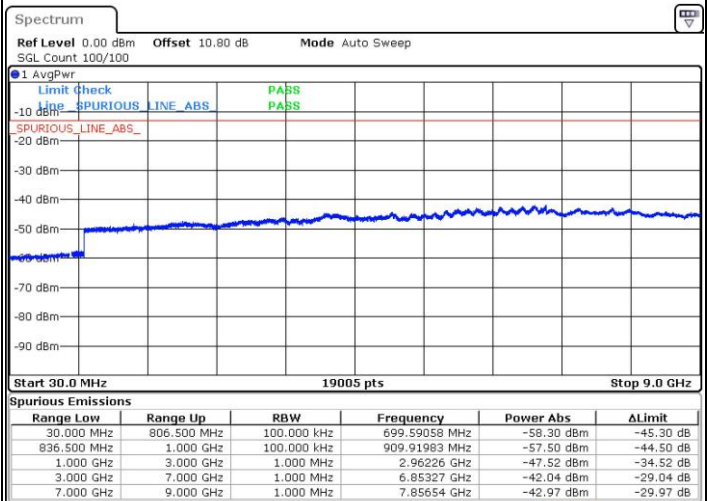
Date: 17 JUN 2017 23:41:41

Middle Channel / QPSK



Date: 17 JUN 2017 23:43:19

Middle Channel / 16QAM

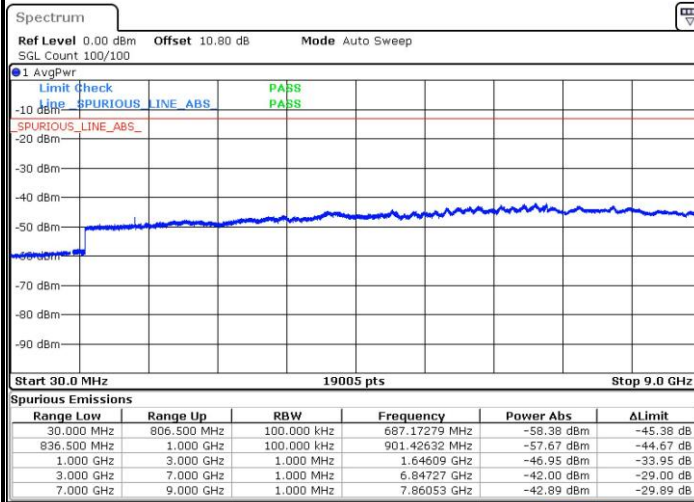


Date: 17 JUN 2017 23:44:14



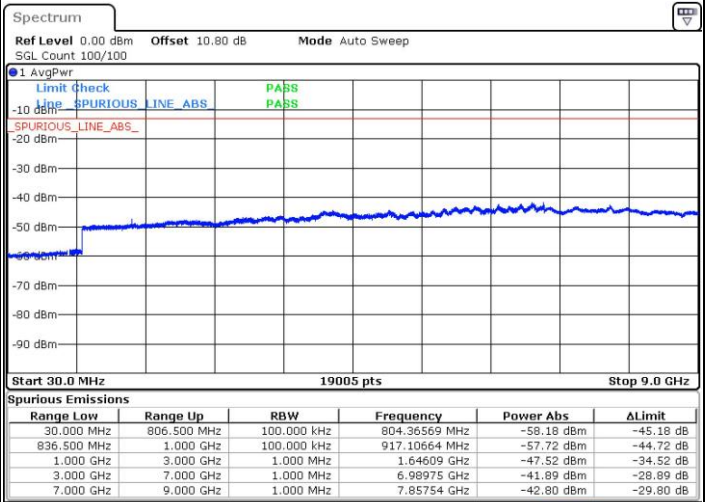
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 17 JUN 2017 23:45:51

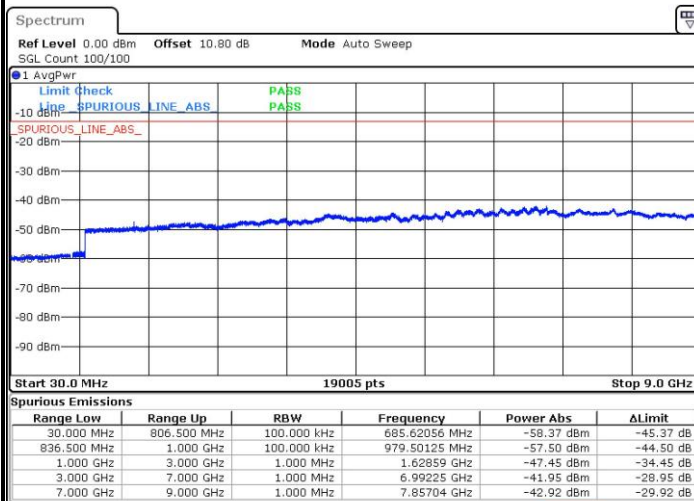
Highest Channel / 16QAM



Date: 17 JUN 2017 23:46:47

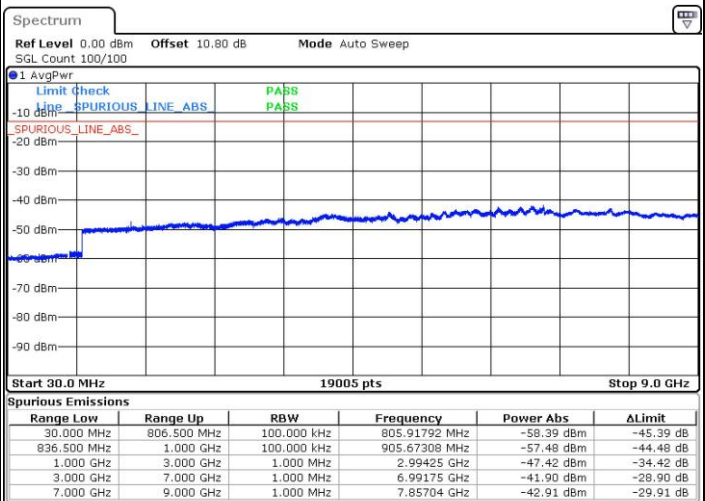
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 17 JUN 2017 23:04:54

Lowest Channel / 16QAM

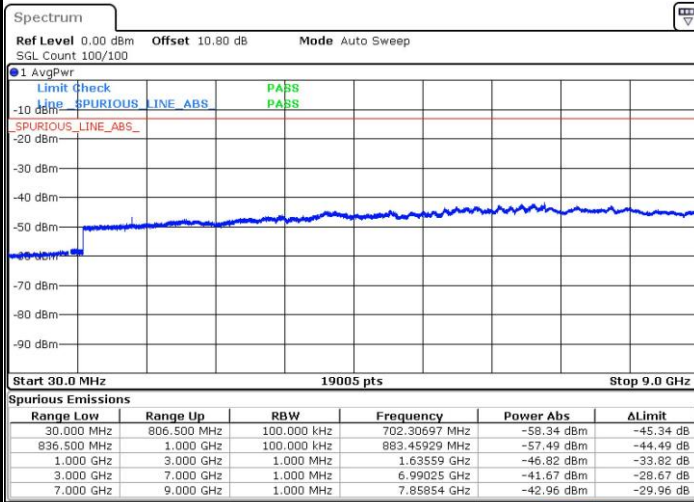


Date: 17 JUN 2017 23:05:50

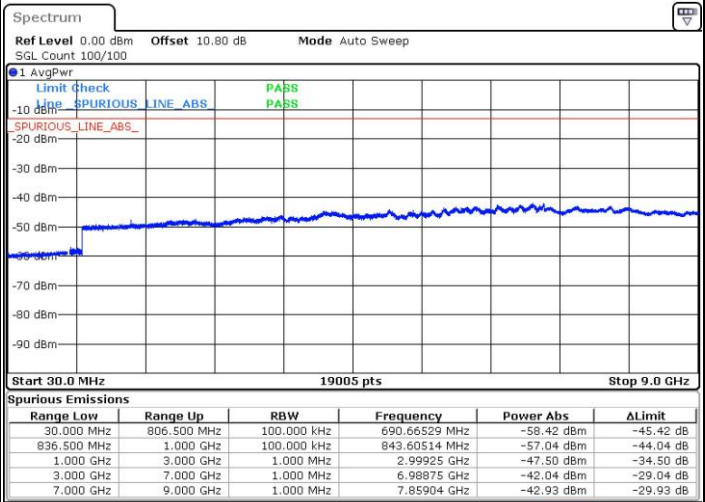


LTE Band 26 / 3MHz

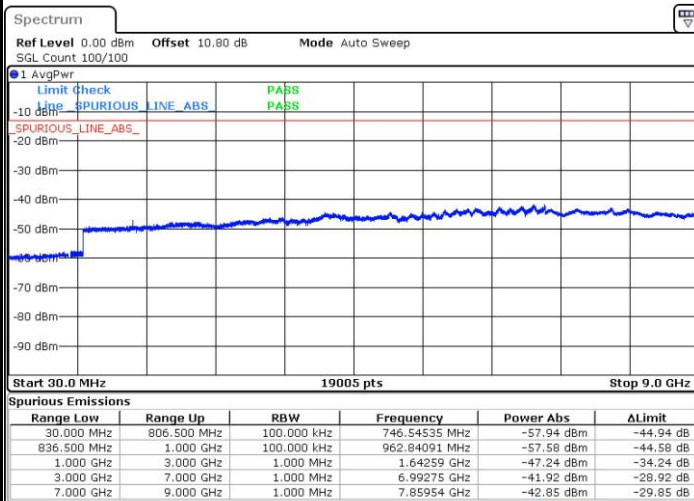
Middle Channel / QPSK



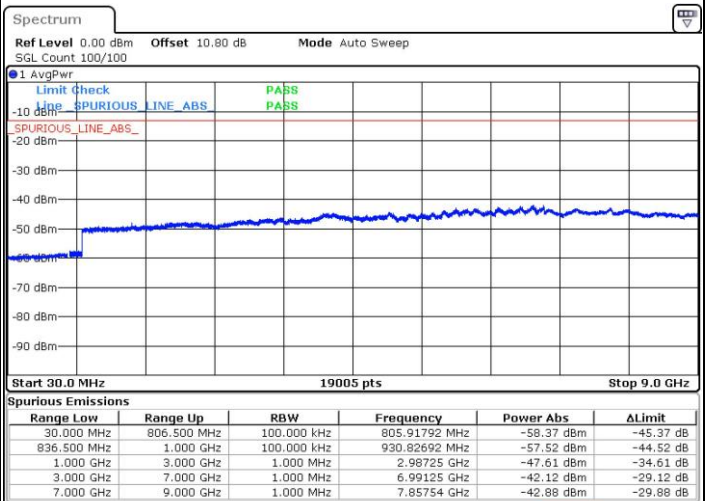
Middle Channel / 16QAM



Highest Channel / QPSK



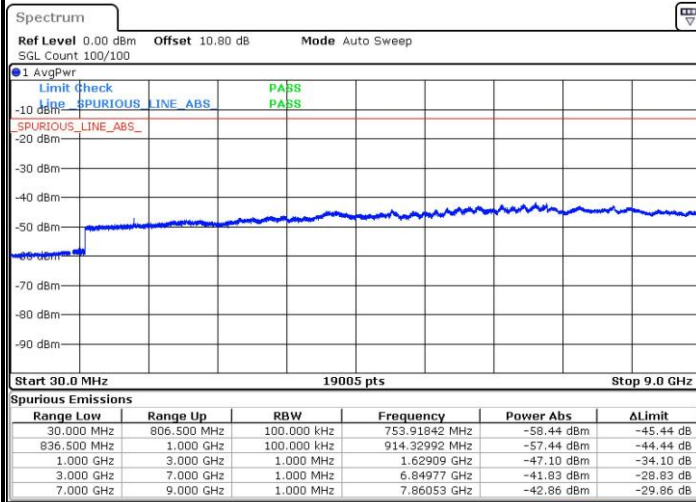
Highest Channel / 16QAM





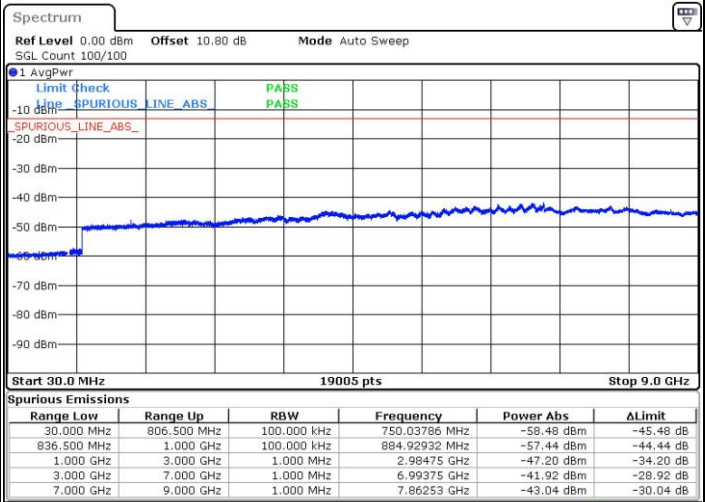
LTE Band 26 / 5MHz

Lowest Channel / QPSK



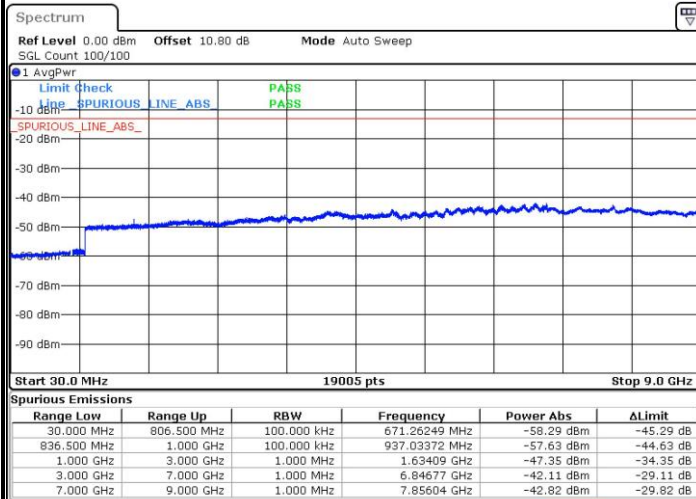
Date: 17 JUN 2017 23:12:31

Lowest Channel / 16QAM



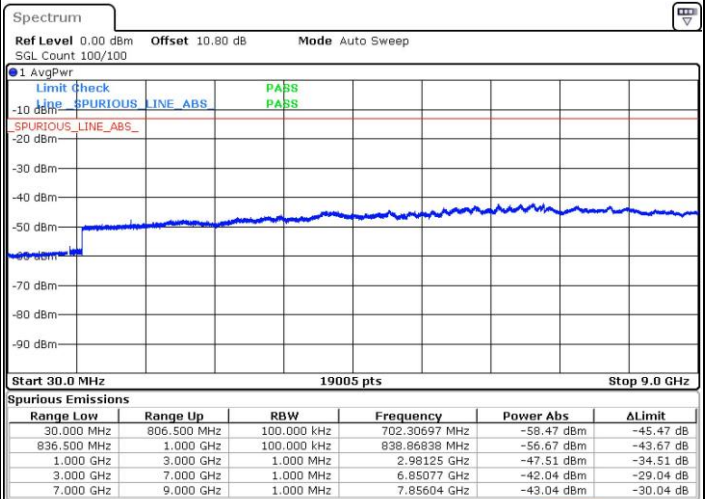
Date: 17 JUN 2017 23:13:27

Middle Channel / QPSK



Date: 17 JUN 2017 23:15:04

Middle Channel / 16QAM

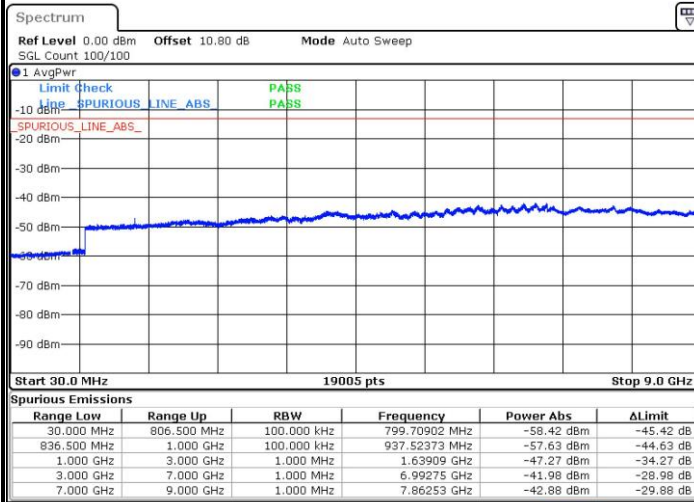


Date: 17 JUN 2017 23:15:59



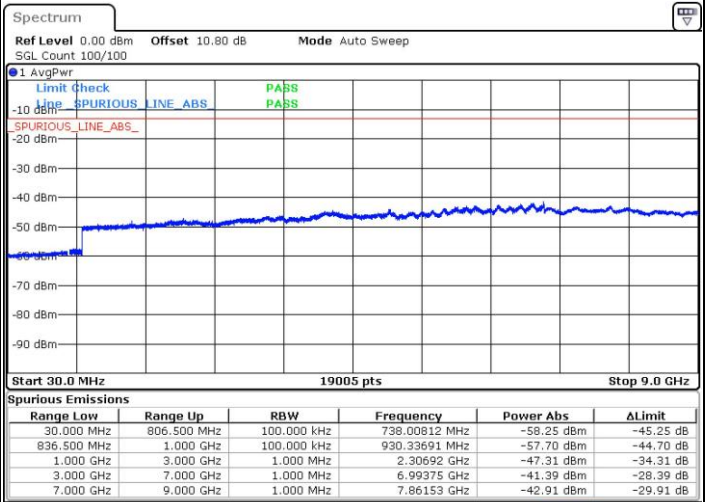
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 17 JUN 2017 23:18:58

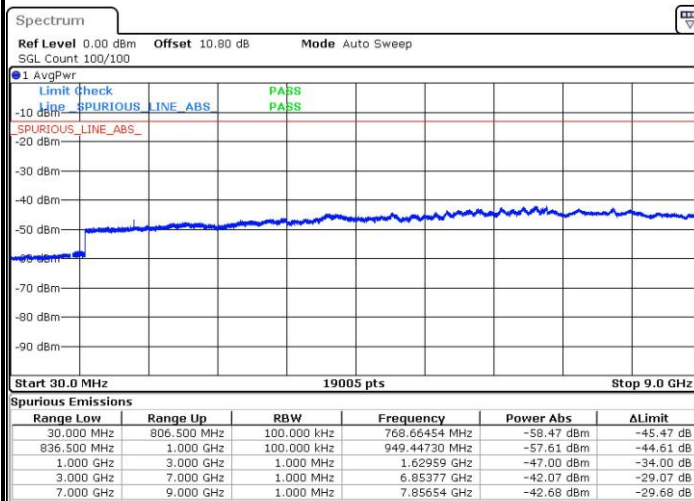
Highest Channel / 16QAM



Date: 17 JUN 2017 23:19:53

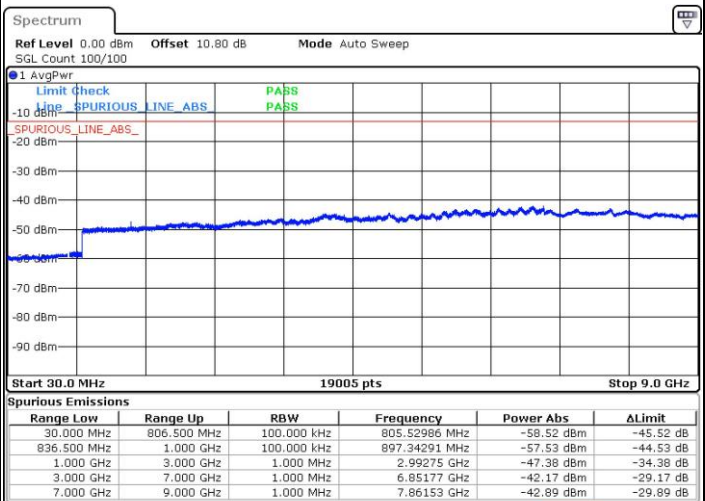
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 17 JUN 2017 23:21:30

Middle Channel / 16QAM

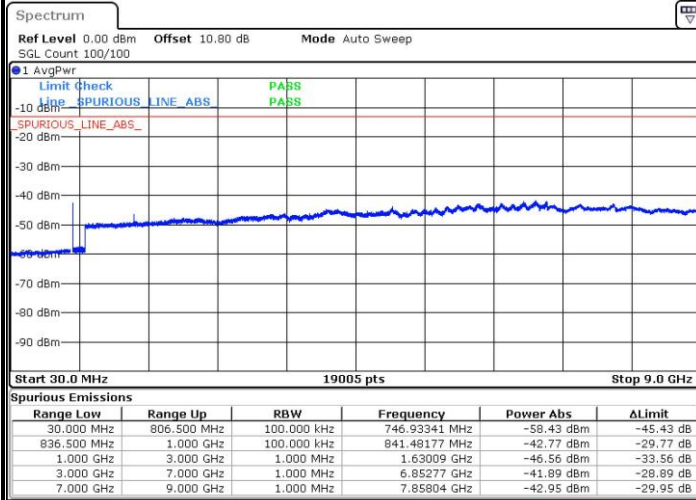


Date: 17 JUN 2017 23:22:26



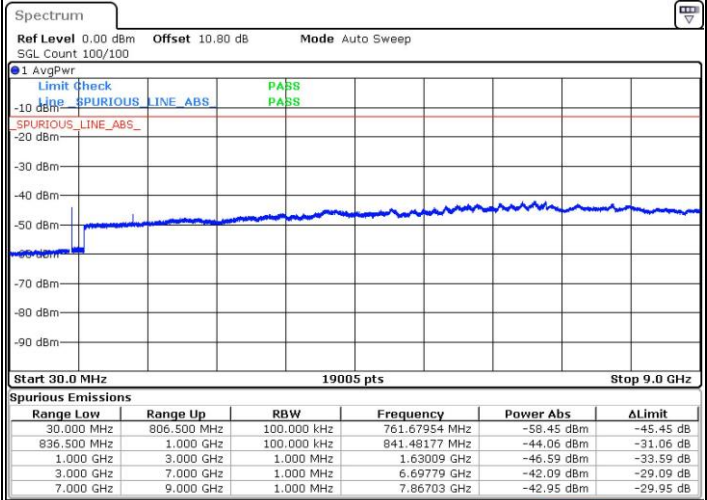
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 17 JUN 2017 23:24:03

Lowest Channel / 16QAM

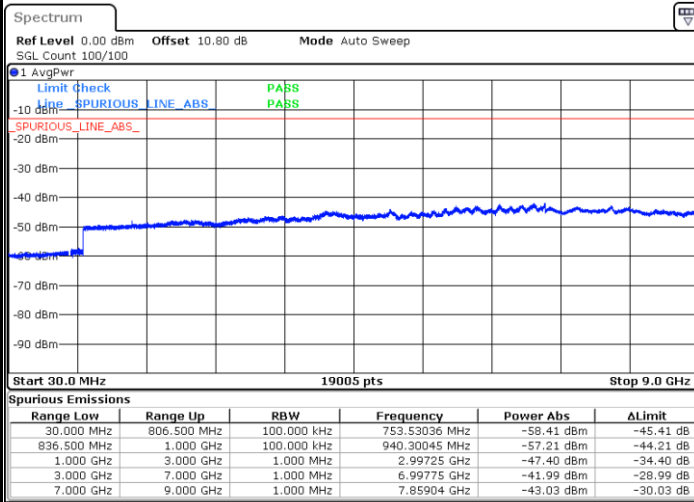


Date: 17 JUN 2017 23:24:58



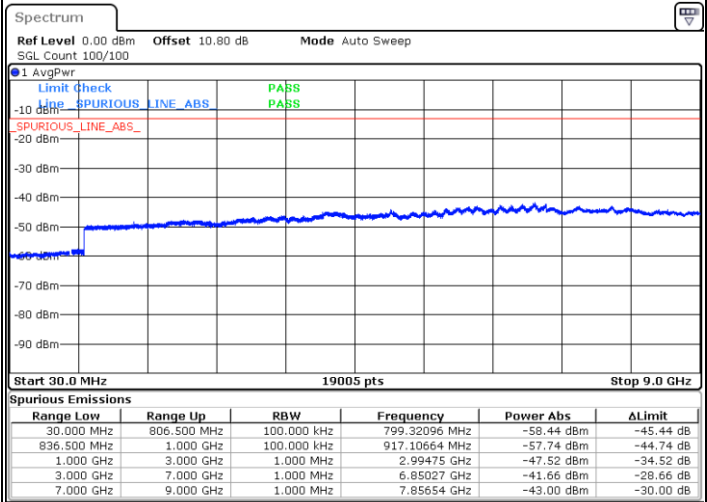
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



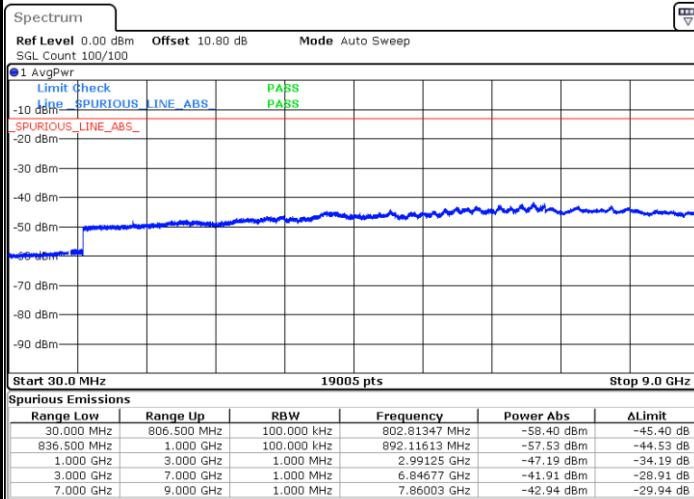
Date: 22 JUN 2017 10:50:19

Middle Channel / 64QAM



Date: 22 JUN 2017 10:51:34

Highest Channel / 64QAM

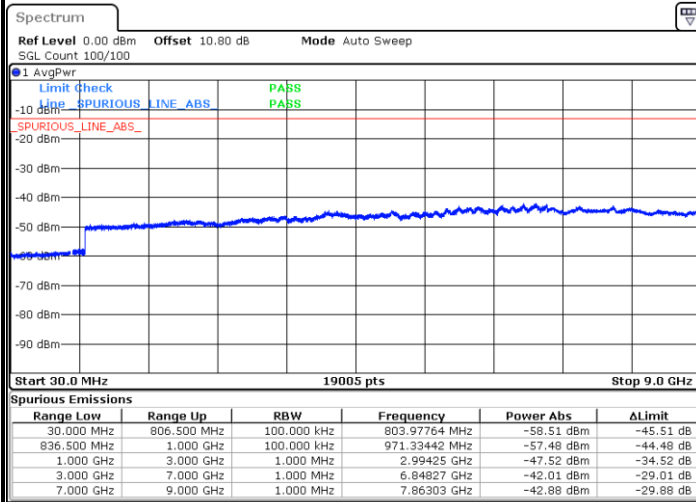


Date: 22 JUN 2017 10:52:49



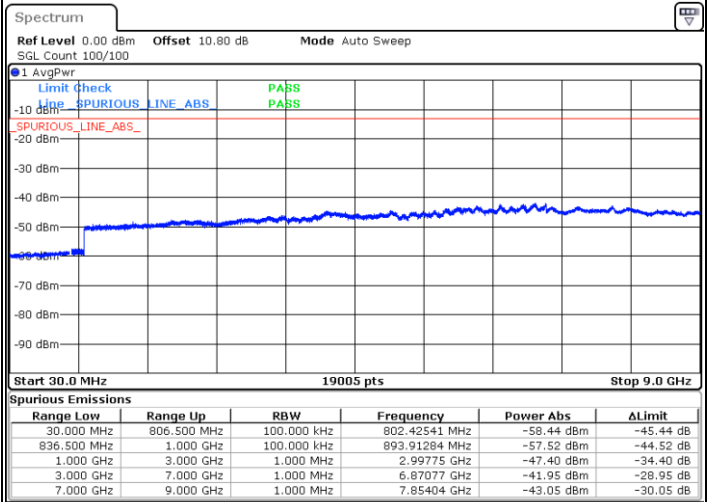
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



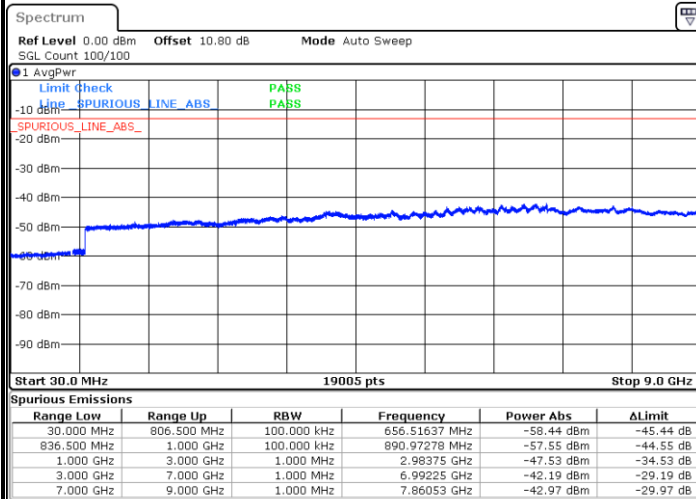
Date: 22 JUN 2017 10:38:27

Middle Channel / 64QAM



Date: 22 JUN 2017 10:39:42

Highest Channel / 64QAM

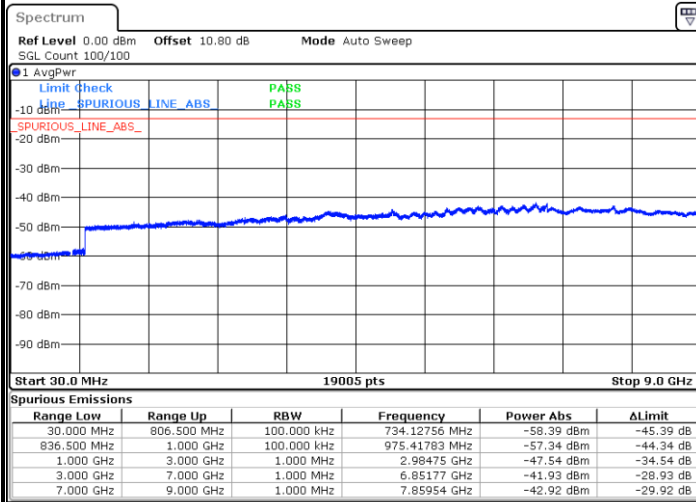


Date: 22 JUN 2017 10:40:57



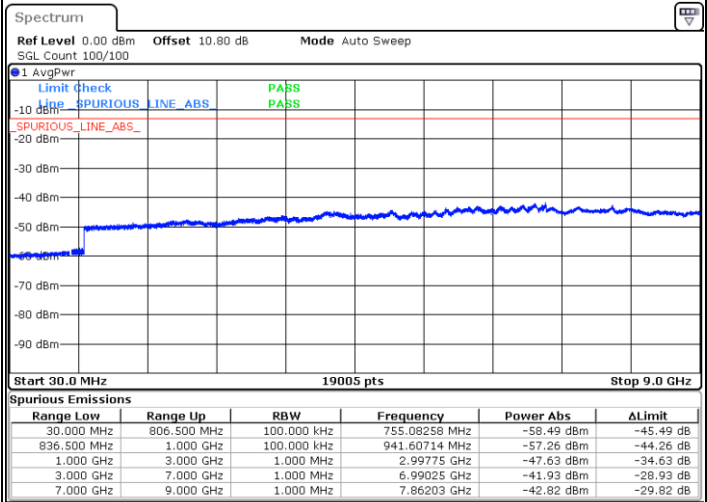
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



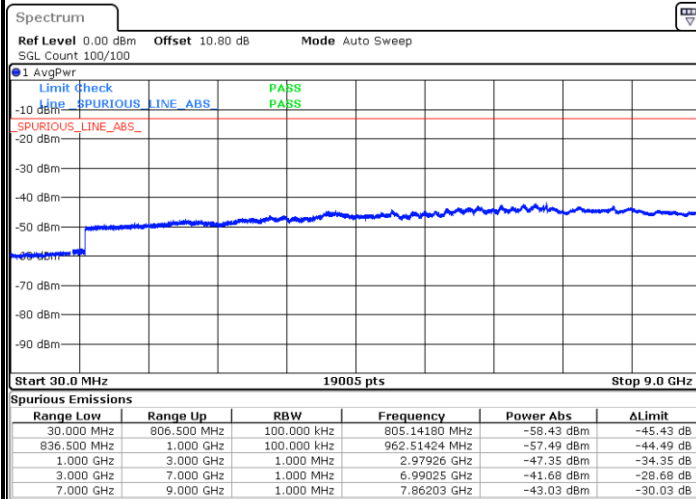
Date: 22 JUN 2017 10:42:12

Middle Channel / 64QAM



Date: 22 JUN 2017 10:43:27

Highest Channel / 64QAM

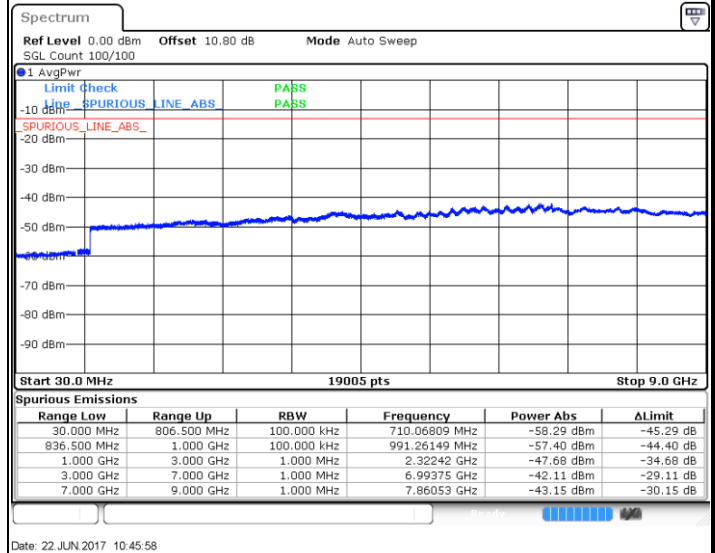


Date: 22 JUN 2017 10:44:43



LTE Band 26 / 10MHz

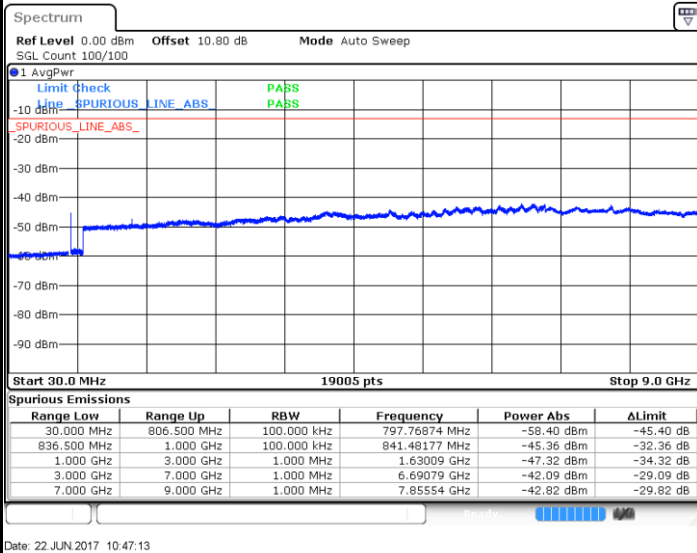
Middle Channel / 64QAM





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	0.0018	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 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	0.0007	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.1 V. ; Maximum Voltage =3.6 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 (Average) (GT - LC = 3 dB) (Channel 26765)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	37	22.52	0.1785	25.52	0.3561
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	21.71	0.1481	24.71	0.2955
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	37	20.44	0.1106	23.44	0.2206
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



<For Sprint>

LTE Band 26 / 15MHz (Average) (GT - LC = 3 dB) (Channel 26765)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.35	0.1716	25.35	0.3425
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	21.31	0.1351	24.31	0.2695
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	21.64	0.1457	24.64	0.2908
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

**Part90S LTE Band 26**

LTE Band 26 / 1.4MHz / QPSK									
Channel	Frequency (MHz)	EIRP (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	1628	-63.50	-13	-50.50	-76.96	-65.32	0.97	4.94	H
	2442	-61.77	-13	-48.77	-78.26	-63.57	1.27	5.23	H
	3256	-58.62	-13	-45.62	-78.5	-61.87	1.53	6.93	H
									H
									H
									H
									H
	1628	-63.84	-13	-50.84	-77.3	-65.66	0.97	4.94	V
	2442	-61.89	-13	-48.89	-78.38	-63.69	1.27	5.23	V
	3256	-58.92	-13	-45.92	-78.8	-62.17	1.53	6.93	V
									V
									V
									V
									V
Middle	1636	-62.80	-13	-49.80	-76.26	-64.6	0.97	4.92	H
	2454	-61.14	-13	-48.14	-77.71	-62.98	1.28	5.26	H
	3273	-58.39	-13	-45.39	-78.32	-61.71	1.53	7.00	H
									H
									H
									H
									H
	1636	-62.78	-13	-49.78	-76.24	-64.58	0.97	4.92	V
	2454	-61.24	-13	-48.24	-77.81	-63.08	1.28	5.26	V
	3273	-58.54	-13	-45.54	-78.47	-61.86	1.53	7.00	V
									V
									V
									V
									V



									V
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Highest	1645	-63.76	-13	-50.76	-77.27	-65.53	0.98	4.89	H
	2467	-61.77	-13	-48.77	-78.34	-63.64	1.28	5.30	H
	3290	-59.10	-13	-46.10	-79.09	-62.49	1.54	7.08	H
									H
									H
									H
									H
	1645	-63.72	-13	-50.72	-77.23	-65.49	0.98	4.89	V
	2467	-61.80	-13	-48.80	-78.37	-63.67	1.28	5.30	V
	3290	-58.84	-13	-45.84	-78.83	-62.23	1.54	7.08	V
									V
									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)	EIRP (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	1628	-63.71	-13	-50.71	-77.17	-65.53	0.97	4.94	H
	2442	-61.94	-13	-48.94	-78.43	-63.74	1.27	5.23	H
	3256	-59.06	-13	-46.06	-78.94	-62.31	1.53	6.93	H
									H
									H
									H
									H
	1628	-64.00	-13	-51.00	-77.46	-65.82	0.97	4.94	V
	2442	-61.28	-13	-48.28	-77.77	-63.08	1.27	5.23	V
	3256	-59.21	-13	-46.21	-79.09	-62.46	1.53	6.93	V
									V
									V
									V
									V
Middle	1635	-63.70	-13	-50.70	-77.16	-65.5	0.97	4.92	H
	2452	-61.93	-13	-48.93	-78.42	-63.76	1.28	5.26	H
	3270	-59.29	-13	-46.29	-79.22	-62.6	1.53	6.99	H
									H
									H
									H
									H
	1635	-63.64	-13	-50.64	-77.1	-65.44	0.97	4.92	V
	2452	-62.14	-13	-49.14	-78.63	-63.97	1.28	5.26	V
	3270	-59.18	-13	-46.18	-79.11	-62.49	1.53	6.99	V
									V
									V
									V
									V



Highest	1642	-63.58	-13	-50.58	-77.09	-65.36	0.98	4.90	H
	2463	-61.55	-13	-48.55	-78.12	-63.41	1.28	5.29	H
	3284	-58.85	-13	-45.85	-78.78	-62.21	1.54	7.05	H
									H
									H
									H
									H
	1642	-63.90	-13	-50.90	-77.41	-65.68	0.98	4.90	V
	2463	-61.70	-13	-48.70	-78.27	-63.56	1.28	5.29	V
	3284	-59.11	-13	-46.11	-79.04	-62.47	1.54	7.05	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)	EIRP (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	1628	-64.04	-13	-51.04	-77.5	-65.86	0.97	4.94	H
	2442	-62.06	-13	-49.06	-78.55	-63.86	1.27	5.23	H
	3257	-59.29	-13	-46.29	-79.17	-62.54	1.53	6.93	H
									H
									H
									H
									H
	1628	-64.00	-13	-51.00	-77.46	-65.82	0.97	4.94	V
	2442	-62.13	-13	-49.13	-78.62	-63.93	1.27	5.23	V
	3257	-59.30	-13	-46.30	-79.18	-62.55	1.53	6.93	V
									V
									V
									V
									V
Middle	1633	-64.13	-13	-51.13	-77.59	-65.94	0.97	4.93	H
	2450	-62.26	-13	-49.26	-78.75	-64.08	1.28	5.25	H
	3267	-59.30	-13	-46.30	-79.19	-62.59	1.53	6.97	H
									H
									H
									H
									H
	1633	-63.40	-13	-50.40	-76.86	-65.21	0.97	4.93	V
	2450	-62.16	-13	-49.16	-78.65	-63.98	1.28	5.25	V
	3267	-59.44	-13	-46.44	-79.33	-62.73	1.53	6.97	V
									V
									V
									V
									V



Highest	1638	-64.11	-13	-51.11	-77.62	-65.9	0.97	4.91	H
	2457	-62.14	-13	-49.14	-78.71	-63.98	1.28	5.27	H
	3277	-59.50	-13	-46.50	-79.43	-62.83	1.53	7.02	H
									H
									H
									H
									H
	1638	-63.82	-13	-50.82	-77.33	-65.61	0.97	4.91	V
	2457	-62.24	-13	-49.24	-78.81	-64.08	1.28	5.27	V
	3277	-59.47	-13	-46.47	-79.4	-62.8	1.53	7.02	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)	EIRP (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	1629	-64.04	-13	-51.04	-77.5	-65.86	0.97	4.94	H
	2443	-61.91	-13	-48.91	-78.4	-63.72	1.27	5.23	H
	3258	-59.13	-13	-46.13	-79.01	-62.39	1.53	6.94	H
									H
									H
									H
									H
	1629	-63.99	-13	-50.99	-77.45	-65.81	0.97	4.94	V
	2443	-62.30	-13	-49.30	-78.79	-64.11	1.27	5.23	V
	3258	-58.98	-13	-45.98	-78.86	-62.24	1.53	6.94	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)	EIRP (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	1629	-64.02	-13	-51.02	-77.48	-65.84	0.97	4.94	H
	2448	-62.02	-13	-49.02	78.51	-63.84	1.27	5.24	H
	3259	-58.70	-13	-45.70	-78.58	-61.96	1.53	6.94	H
									H
									H
									H
									H
	1629	-63.62	-13	-50.62	-77.08	-65.44	0.97	4.94	V
	2448	-62.09	-13	-49.09	-78.58	-63.91	1.27	5.24	V
	3259	-59.31	-13	-46.31	-79.19	-62.57	1.53	6.94	V
									V
									V
									V
									V

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