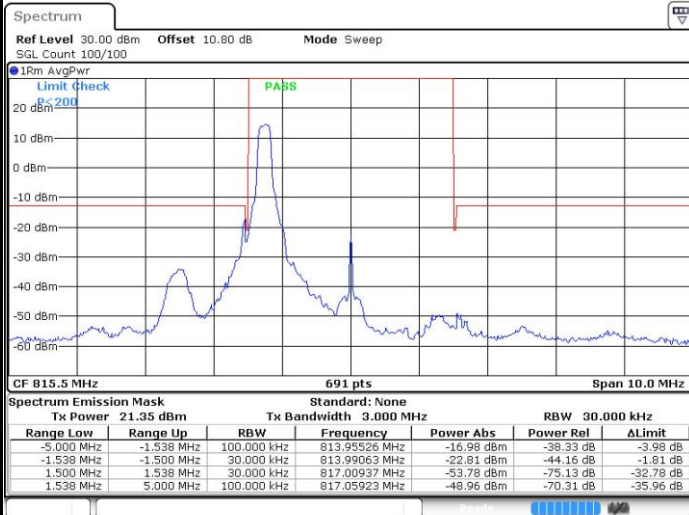


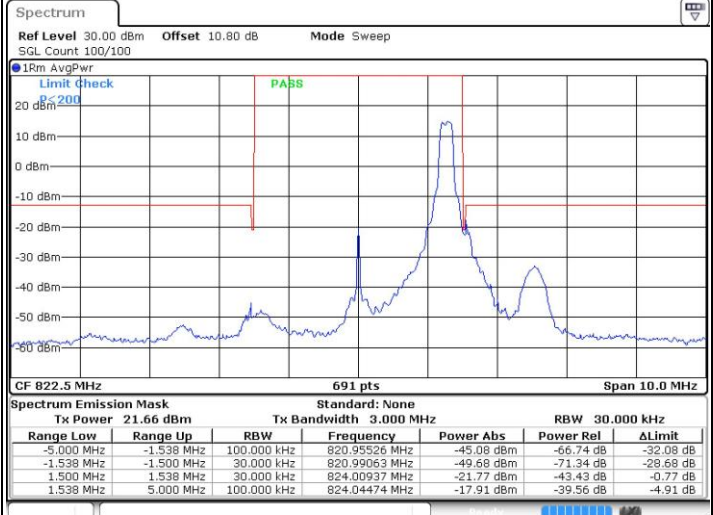


LTE Band 26 / 3MHz / QPSK

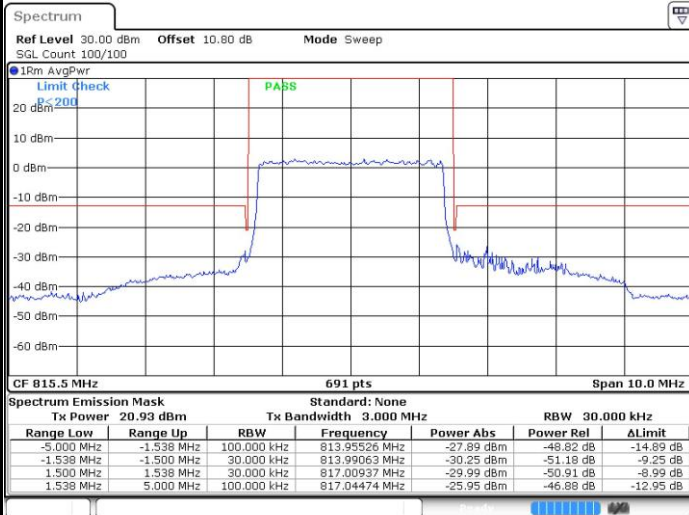
Lowest Band Edge / 1RB



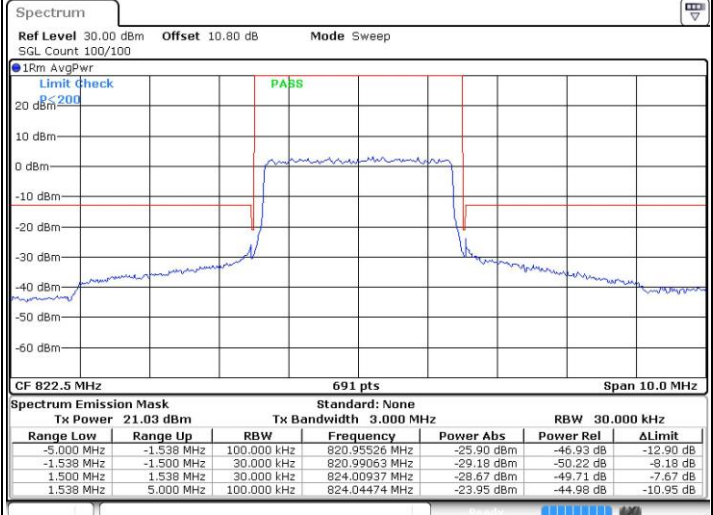
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



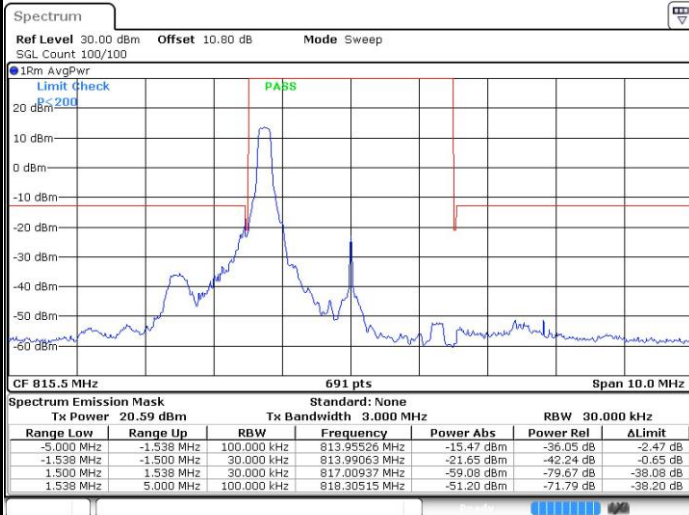
Highest Band Edge / Full RB



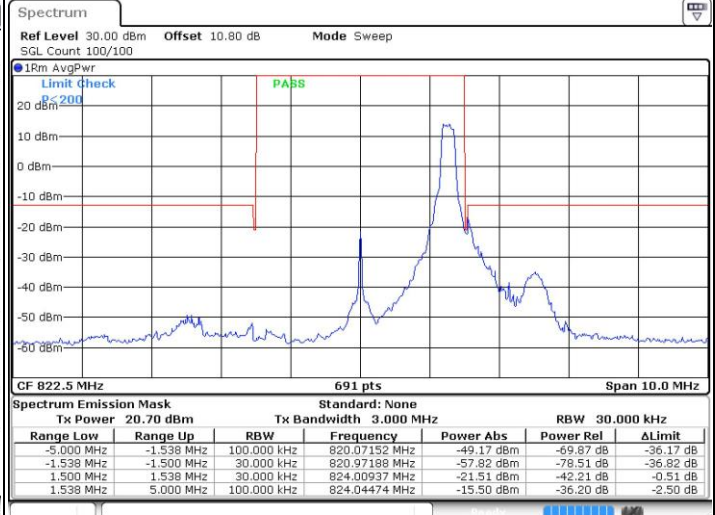


LTE Band 26 / 3MHz / 16QAM

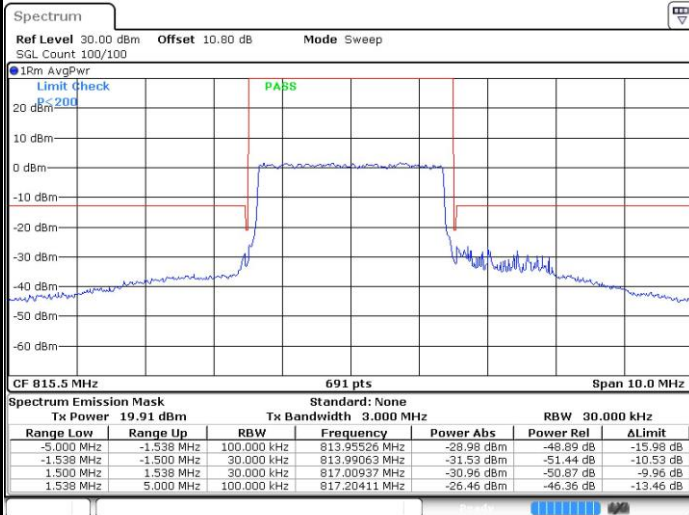
Lowest Band Edge / 1 RB



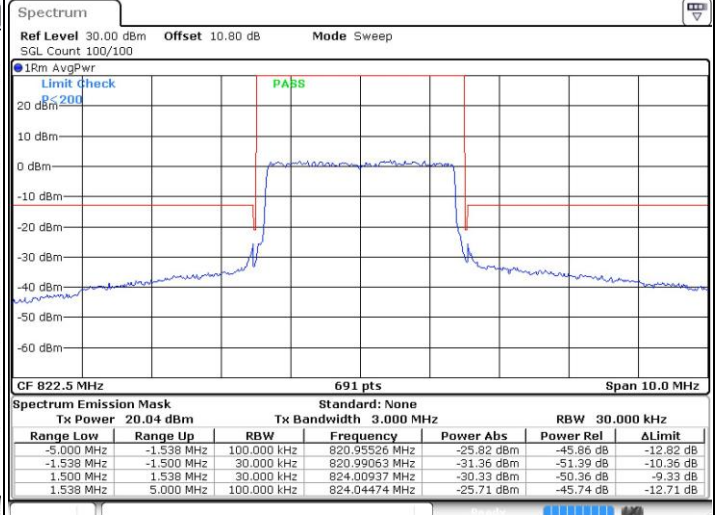
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



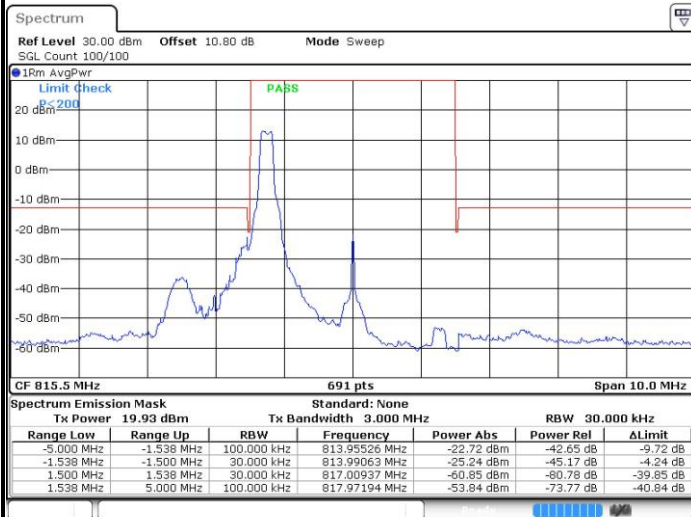
Highest Band Edge / Full RB



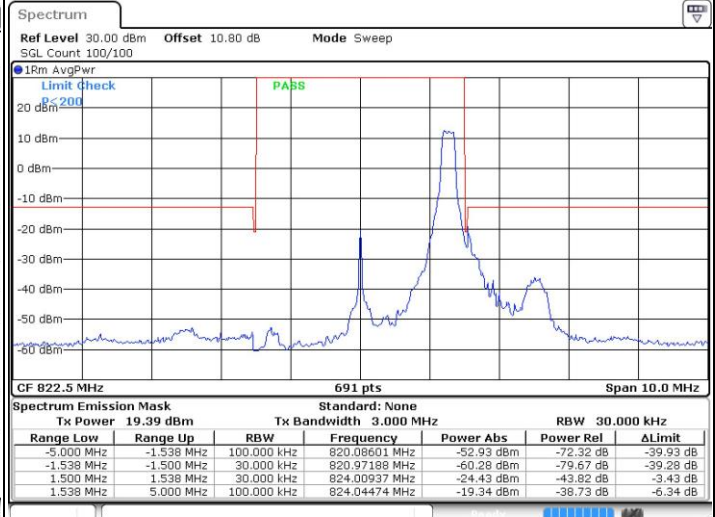


LTE Band 26 / 3MHz / 64QAM

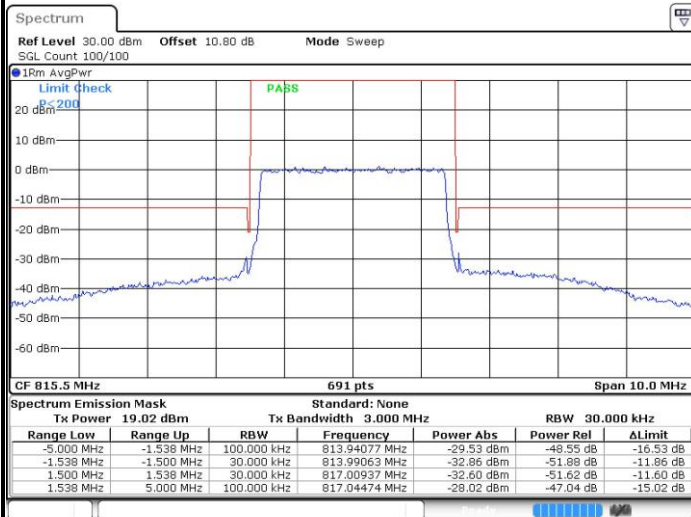
Lowest Band Edge / 1 RB



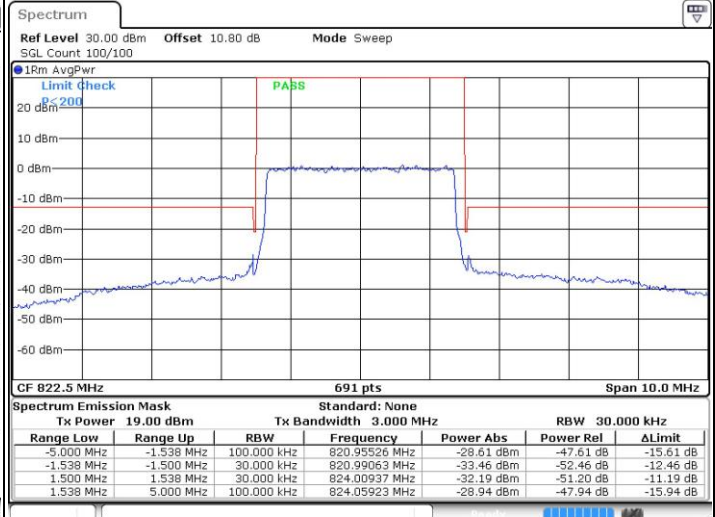
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



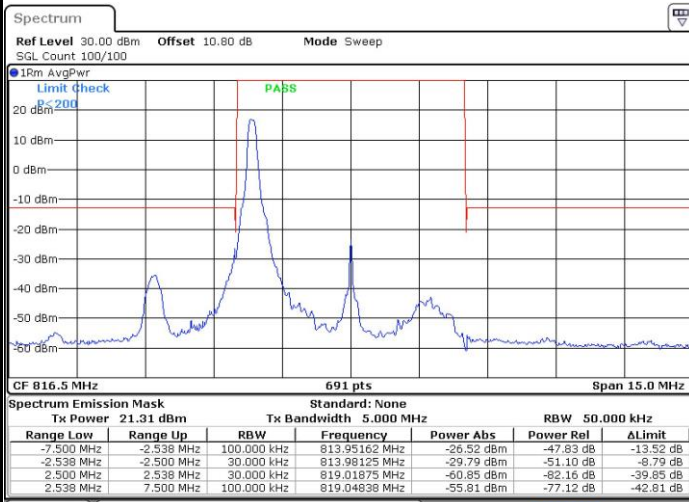
Highest Band Edge / Full RB





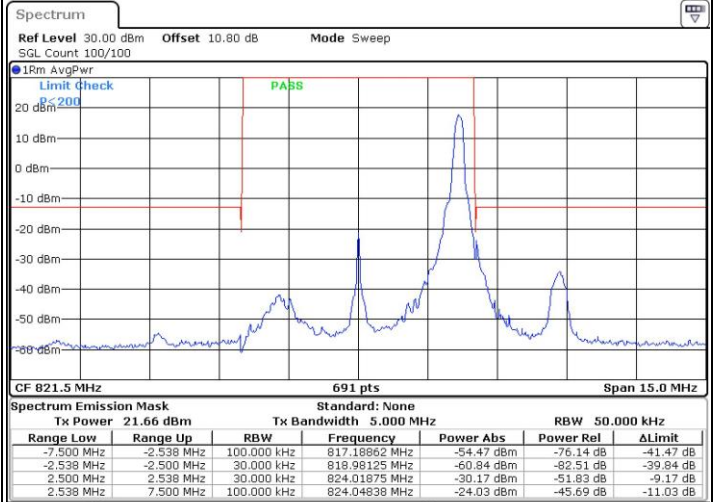
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



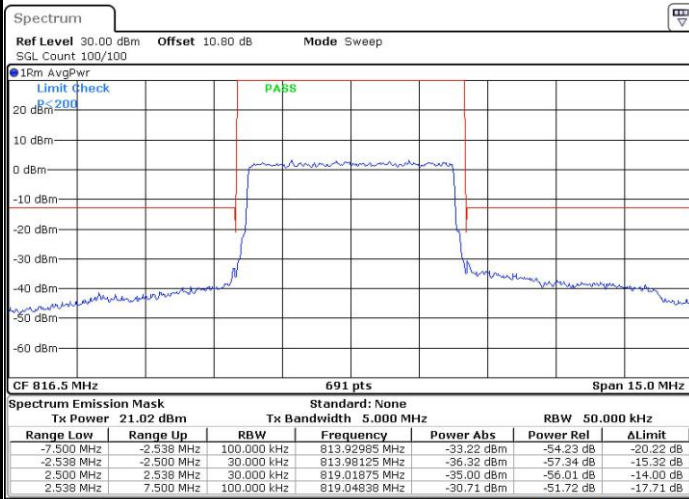
Date: 27.FEB.2019 23:25:42

Highest Band Edge / 1 RB



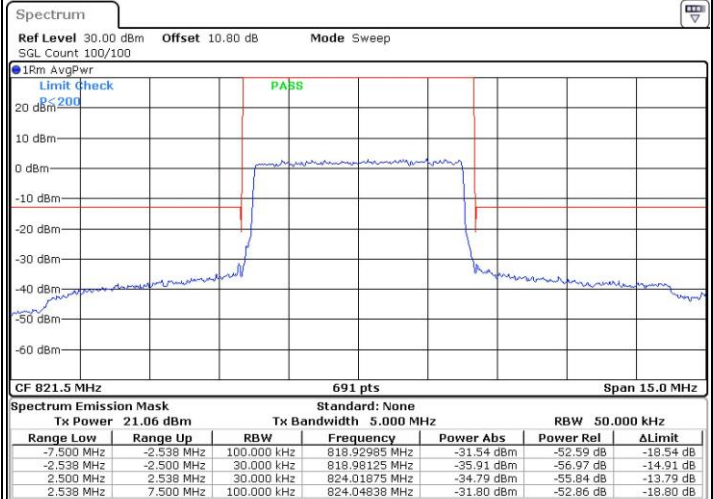
Date: 27.FEB.2019 23:29:04

Lowest Band Edge / Full RB



Date: 27.FEB.2019 23:27:23

Highest Band Edge / Full RB

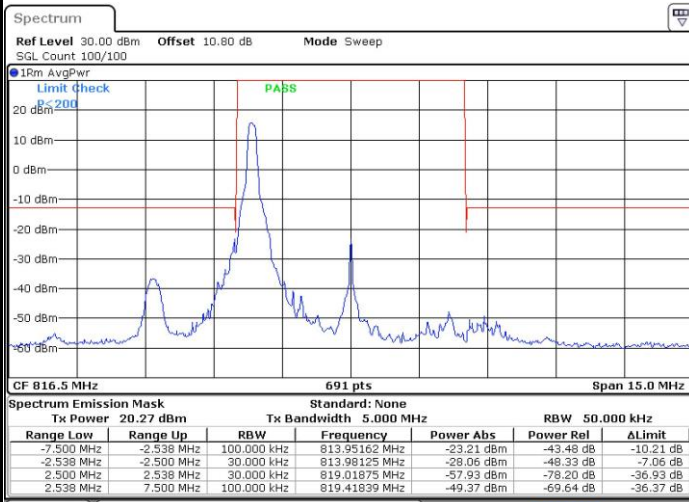


Date: 27.FEB.2019 23:30:45

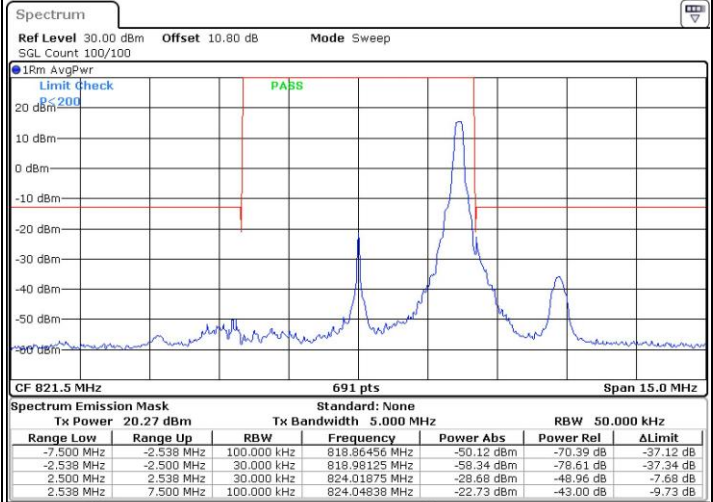


LTE Band 26 / 5MHz / 16QAM

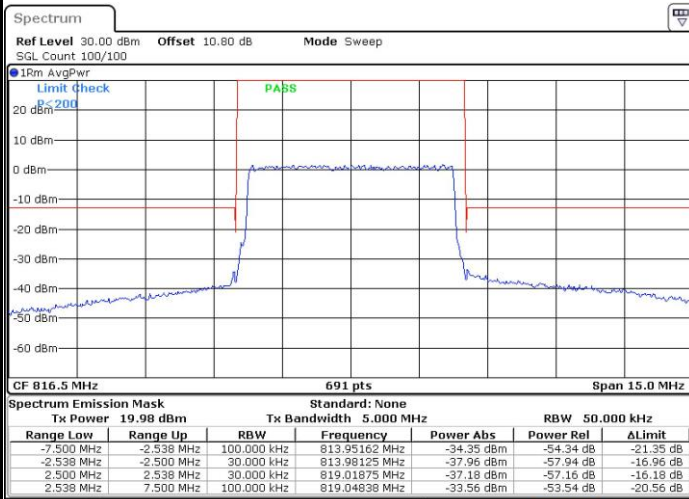
Lowest Band Edge / 1RB



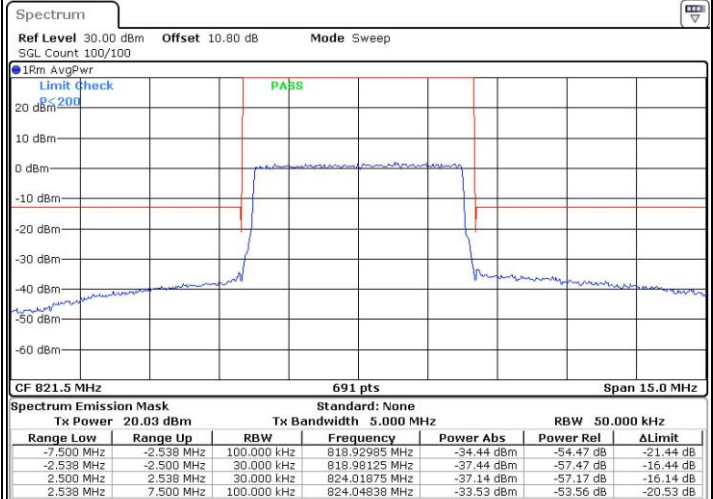
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



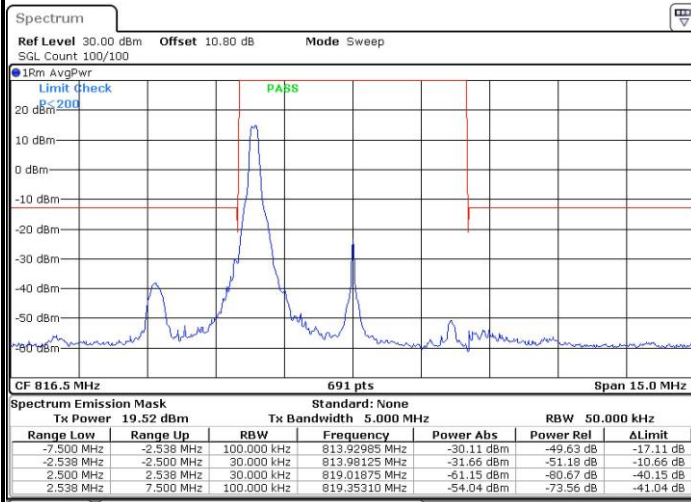
Highest Band Edge / Full RB



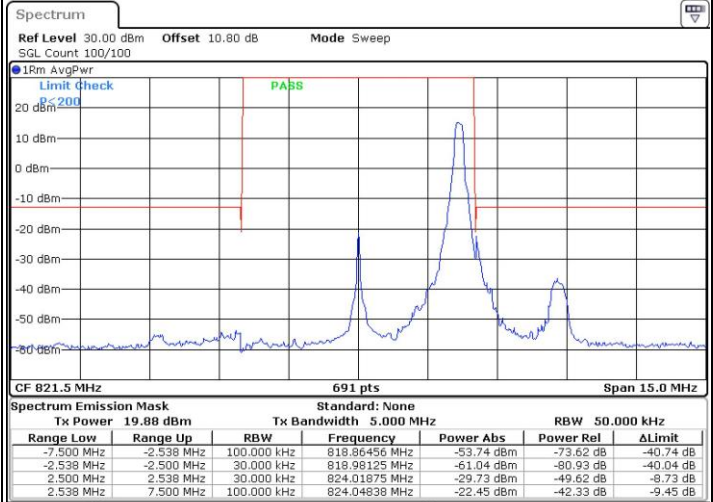


LTE Band 26 / 5MHz / 64QAM

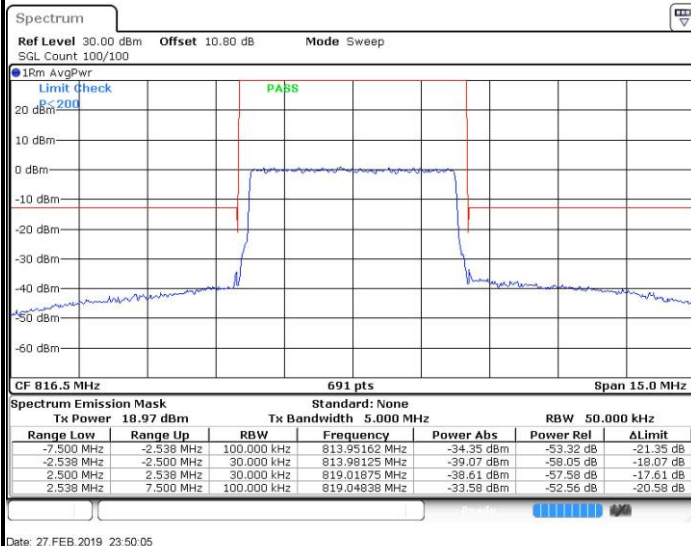
Lowest Band Edge / 1RB



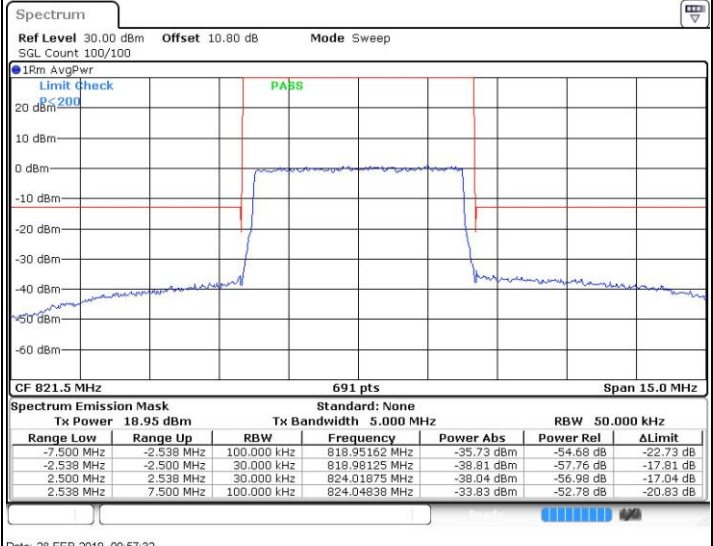
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



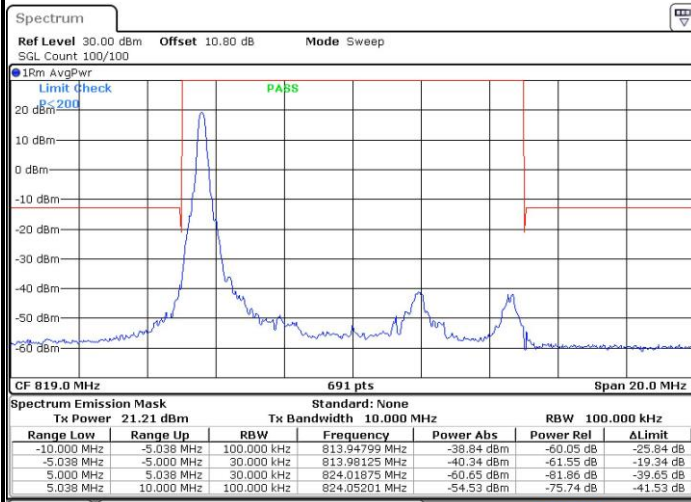
Highest Band Edge / Full RB





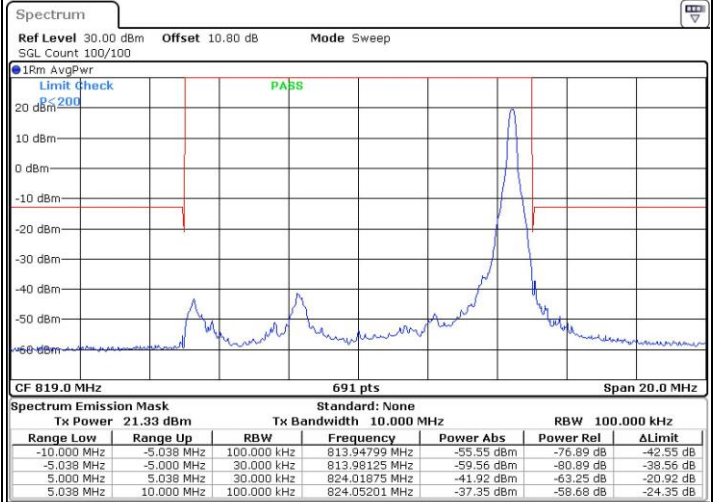
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



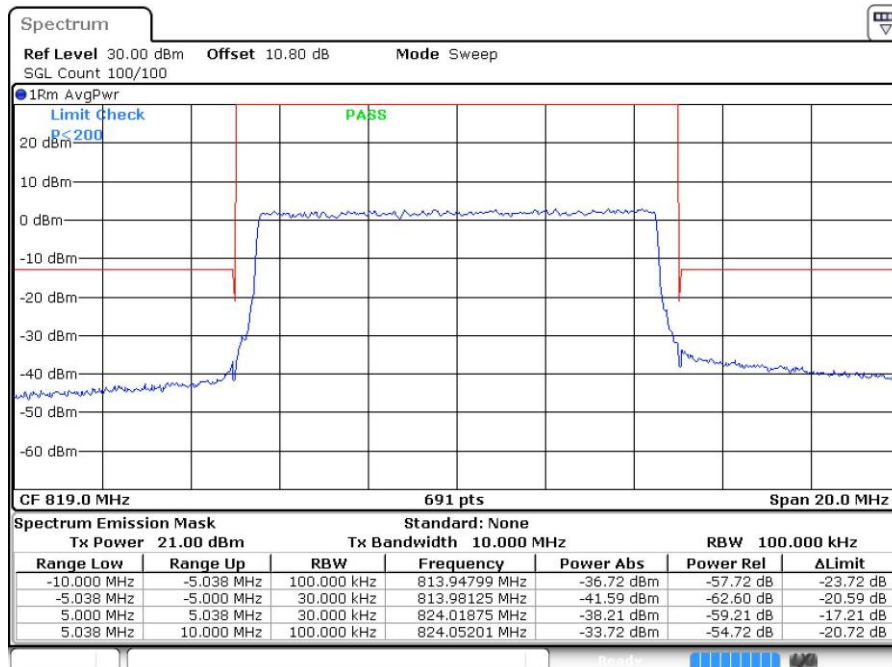
Date: 27.FEB.2019 23:32:26

Highest Band Edge / 1 RB



Date: 27.FEB.2019 23:34:06

Band Edge / Full RB

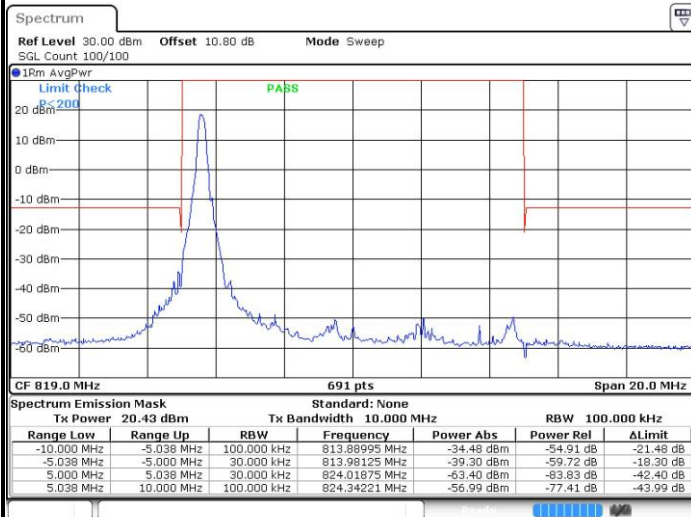


Date: 27.FEB.2019 23:35:47

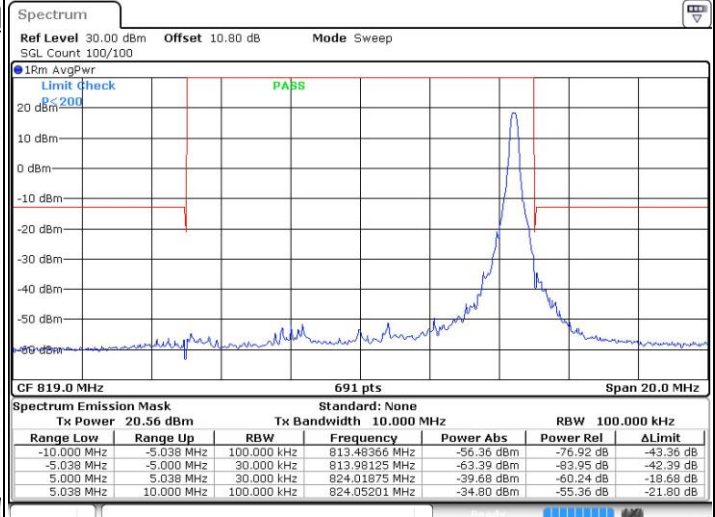


LTE Band 26 / 10MHz / 16QAM

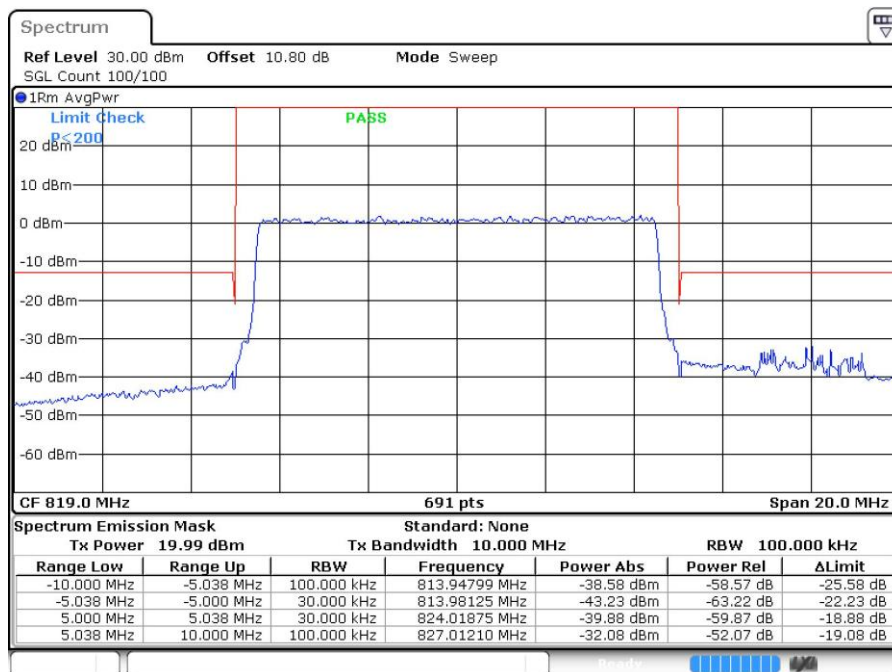
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



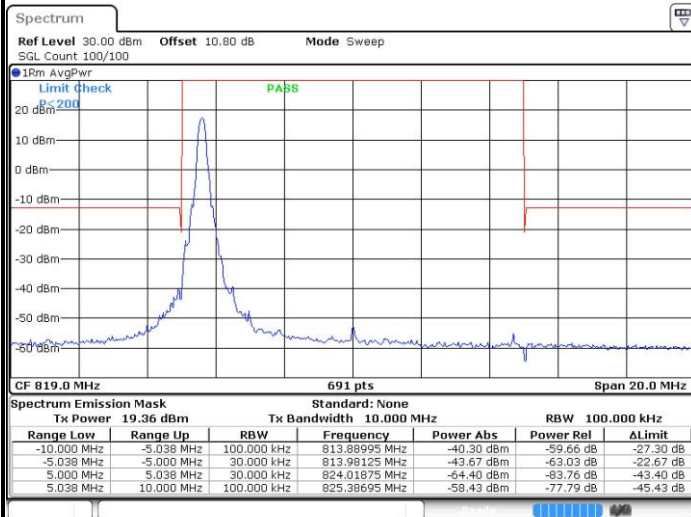
Band Edge / Full RB



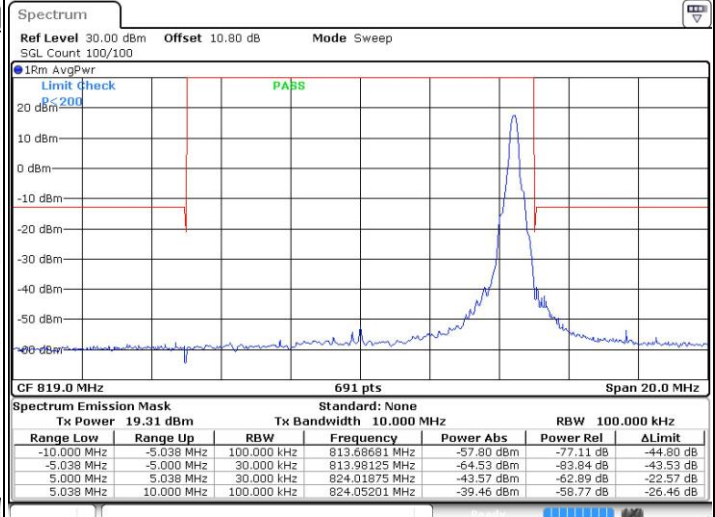


LTE Band 26 / 10MHz / 64QAM

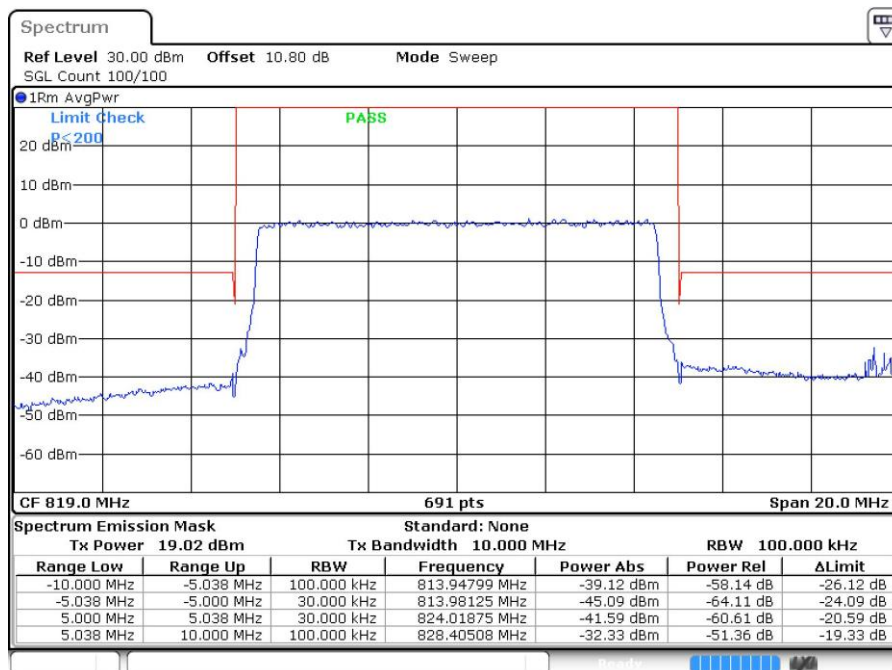
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



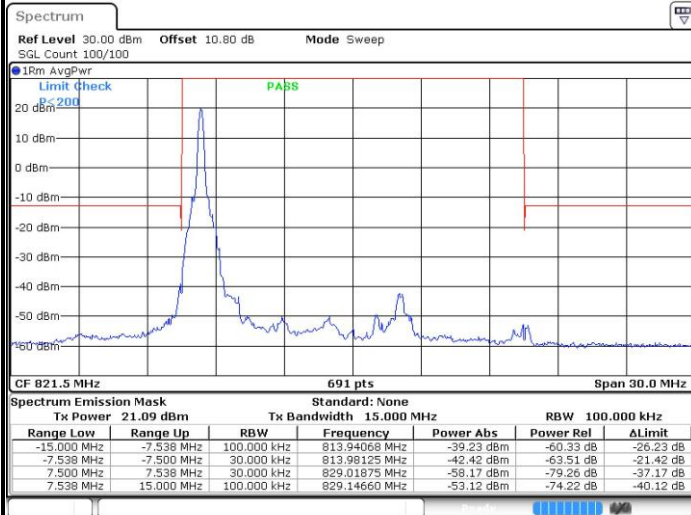
Band Edge / Full RB



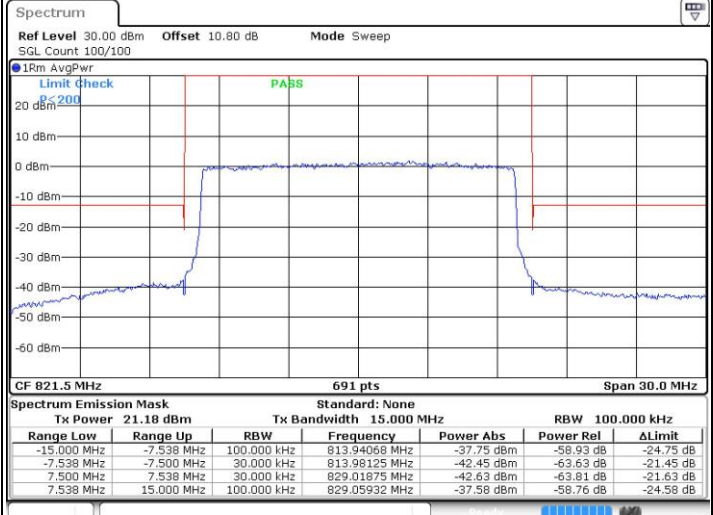


LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB

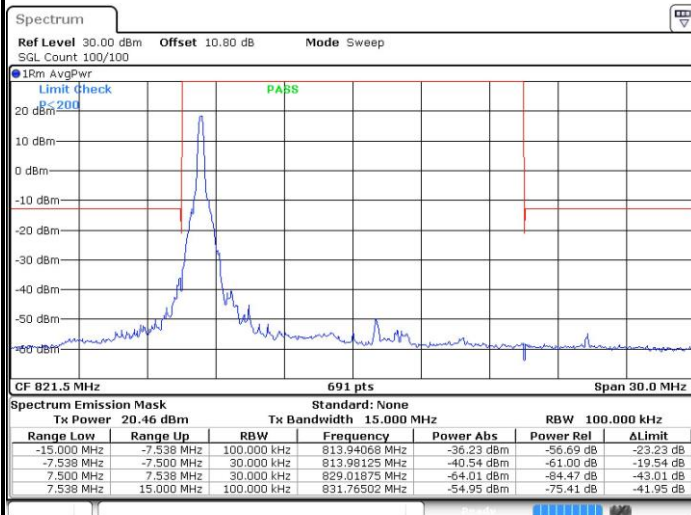


Lowest Band Edge / Full RB

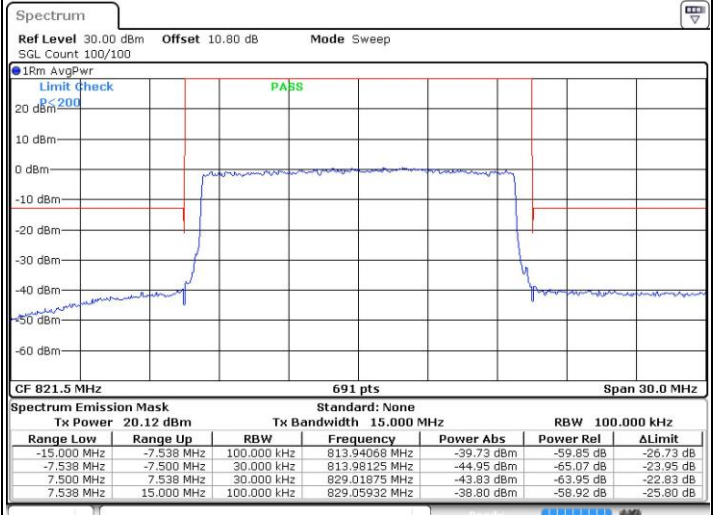


LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



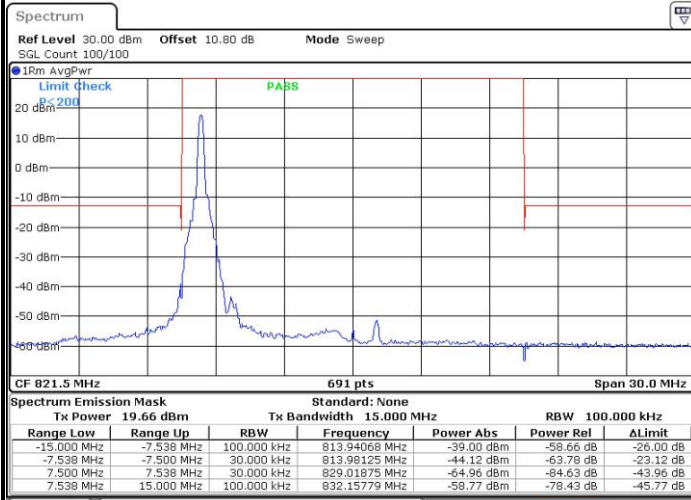
Lowest Band Edge / Full RB





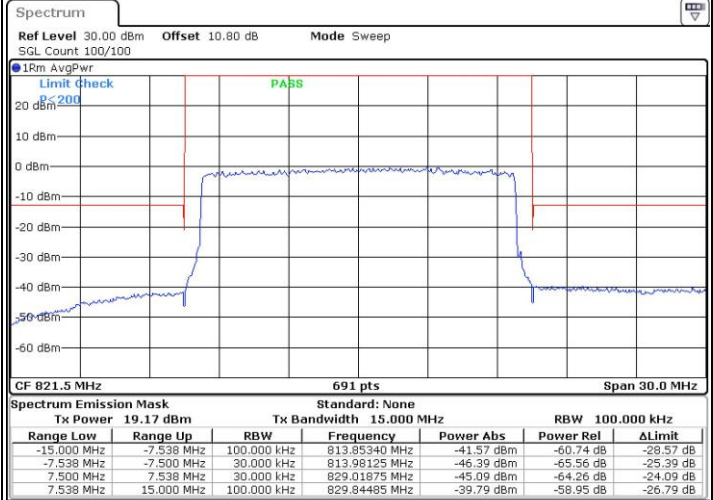
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

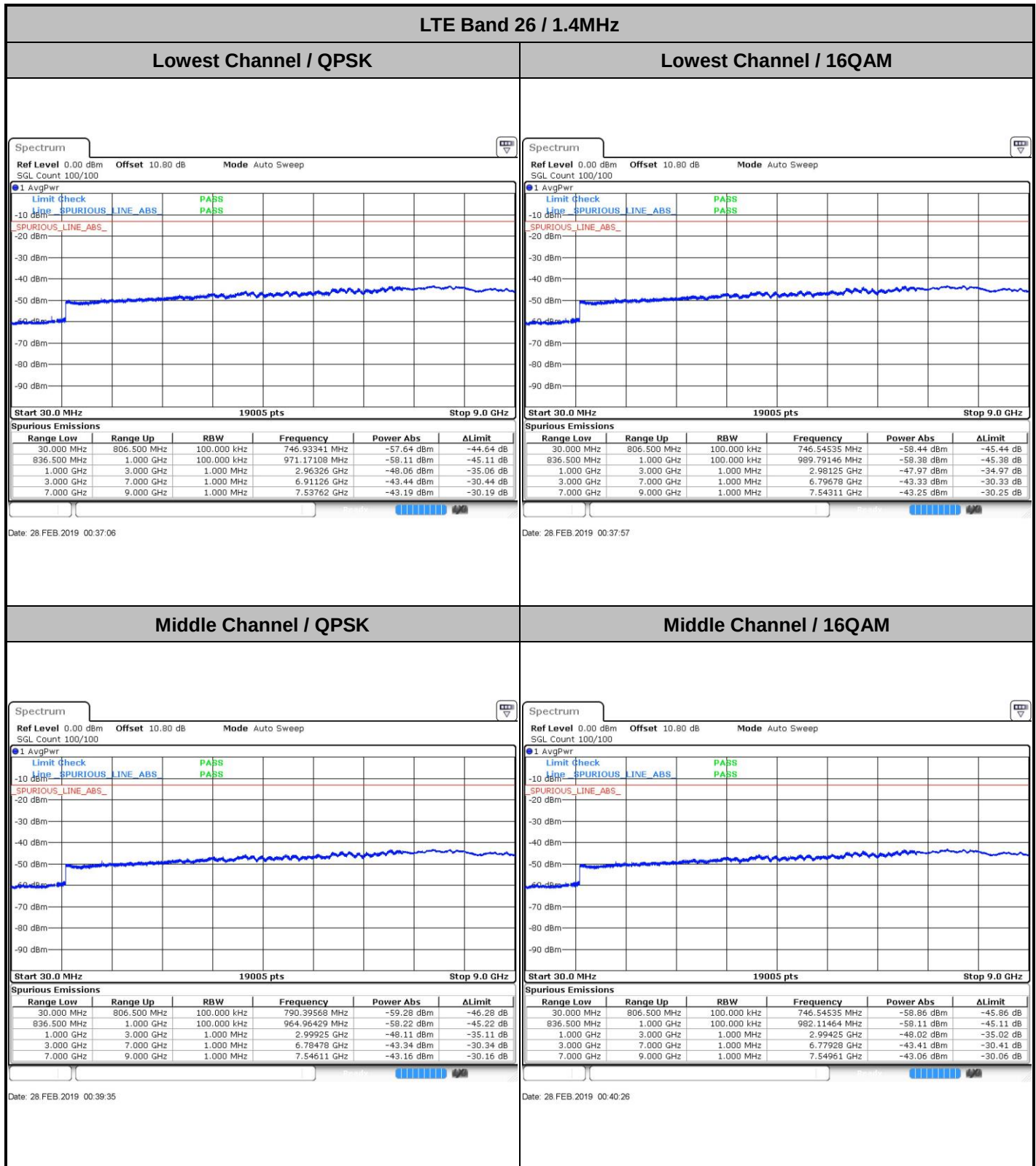


Date: 27.FEB.2019 23:55:07

Lowest Band Edge / Full RB



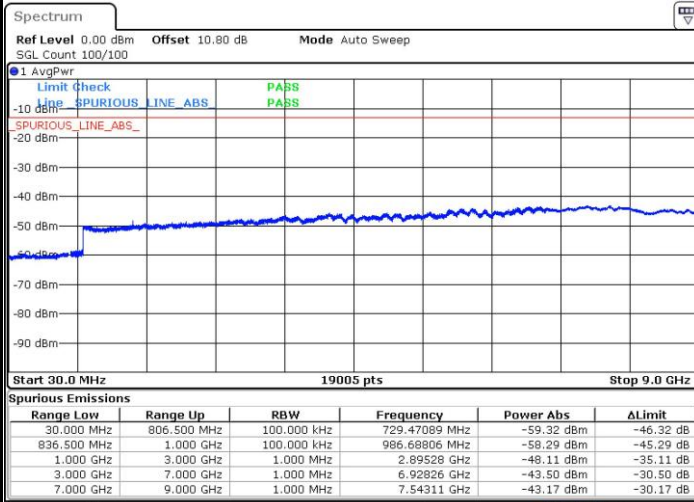
Date: 27.FEB.2019 23:56:48

**Emission masks – Out of band emissions**



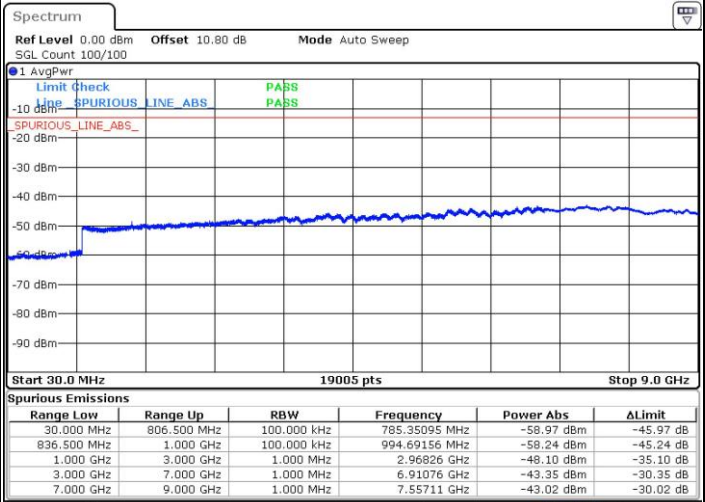
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 28 FEB 2019 00:42:04

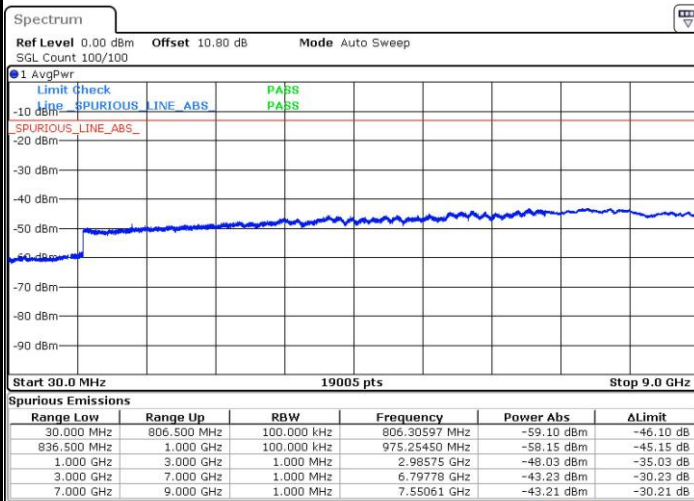
Highest Channel / 16QAM



Date: 28 FEB 2019 00:42:55

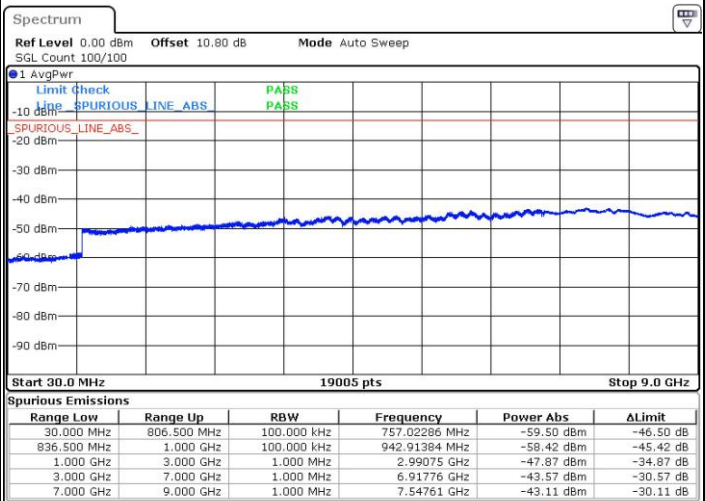
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 28 FEB 2019 00:13:48

Lowest Channel / 16QAM

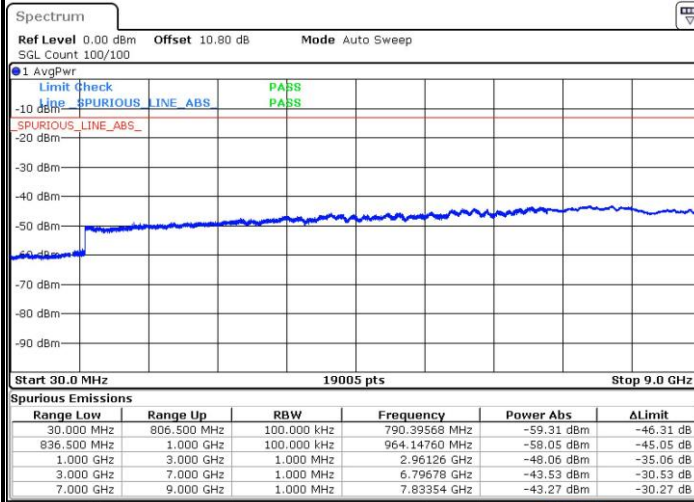


Date: 28 FEB 2019 00:14:40



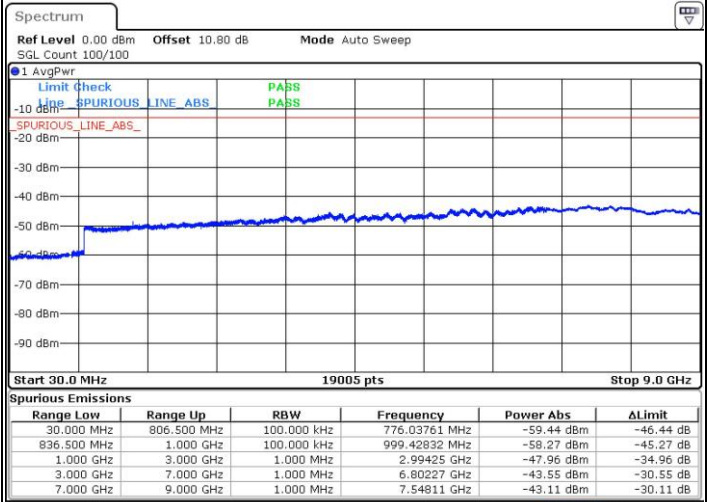
LTE Band 26 / 3MHz

Middle Channel / QPSK



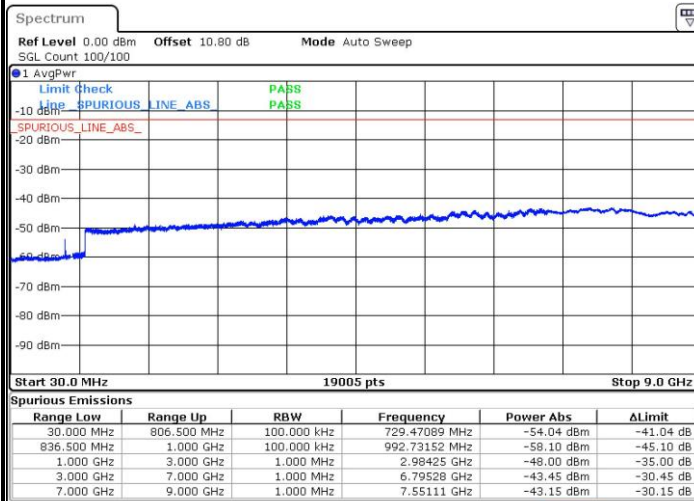
Date: 28 FEB 2019 00:16:17

Middle Channel / 16QAM



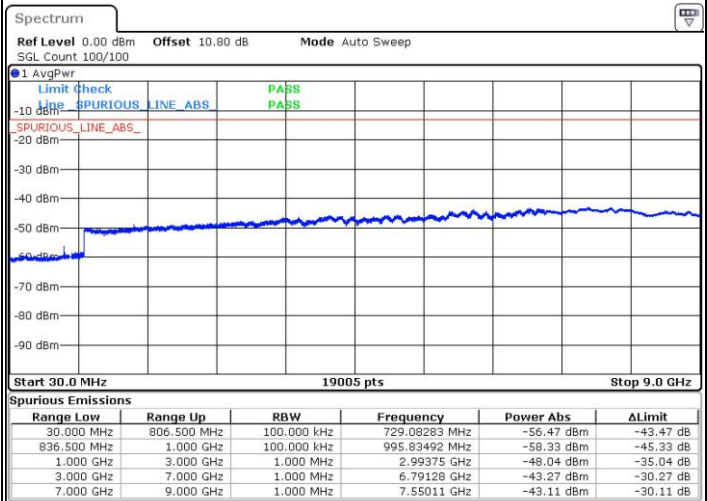
Date: 28 FEB 2019 00:17:09

Highest Channel / QPSK



Date: 28 FEB 2019 00:18:46

Highest Channel / 16QAM

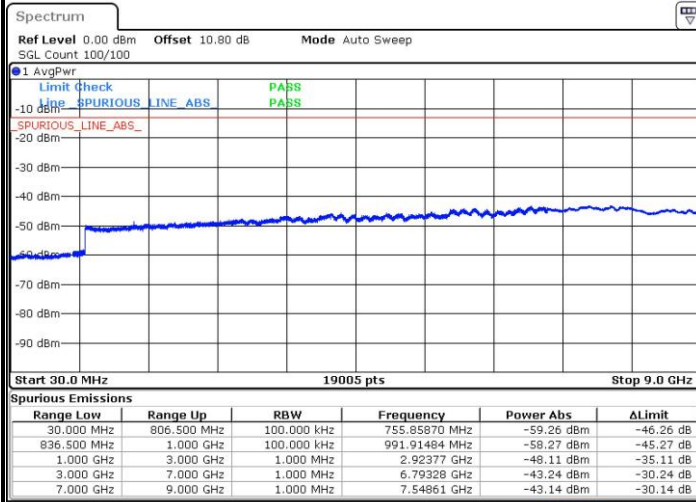


Date: 28 FEB 2019 00:19:37



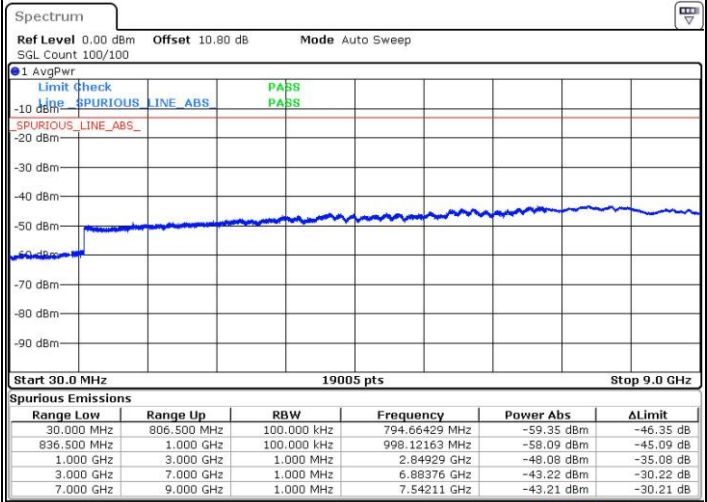
LTE Band 26 / 5MHz

Lowest Channel / QPSK



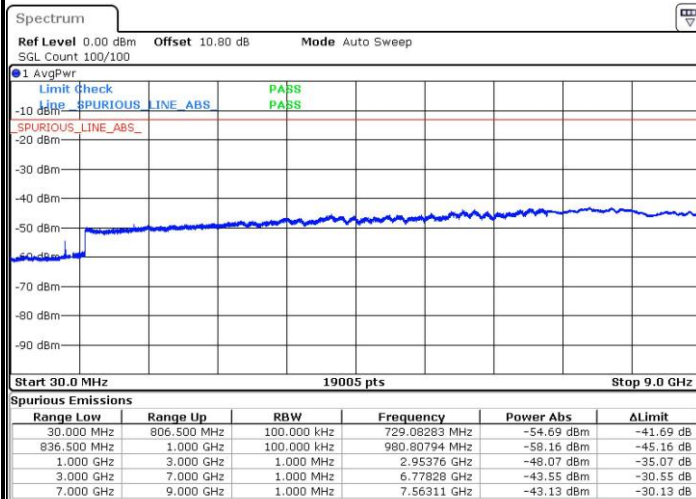
Date: 28 FEB 2019 00:21:15

Lowest Channel / 16QAM



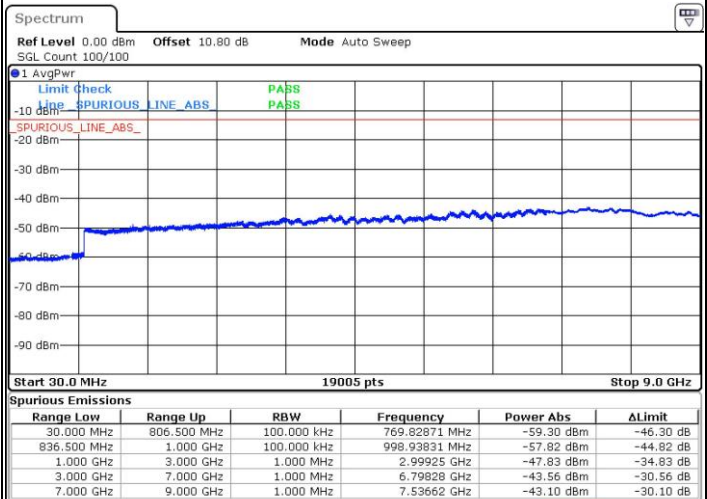
Date: 28 FEB 2019 00:22:06

Middle Channel / QPSK



Date: 28 FEB 2019 00:23:44

Middle Channel / 16QAM

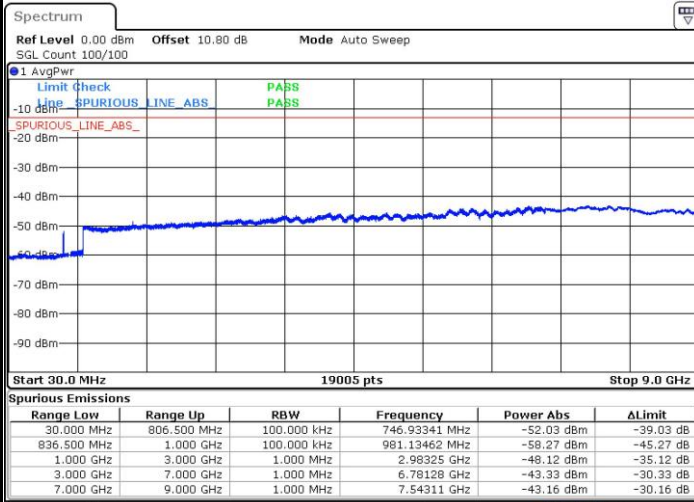


Date: 28 FEB 2019 00:24:35



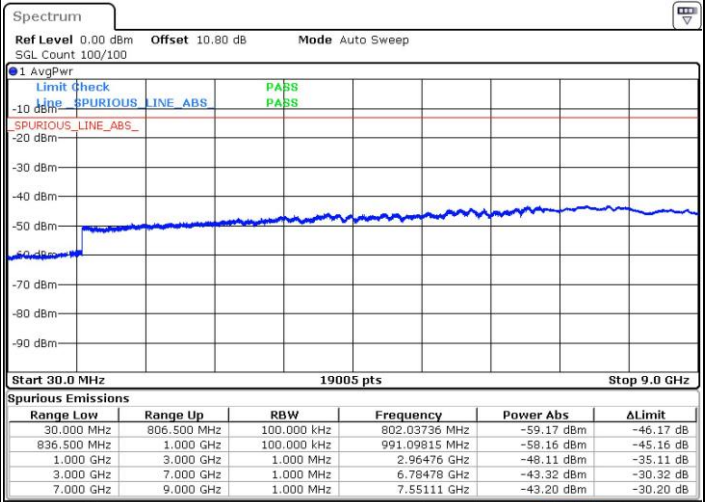
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 28 FEB 2019 00:26:13

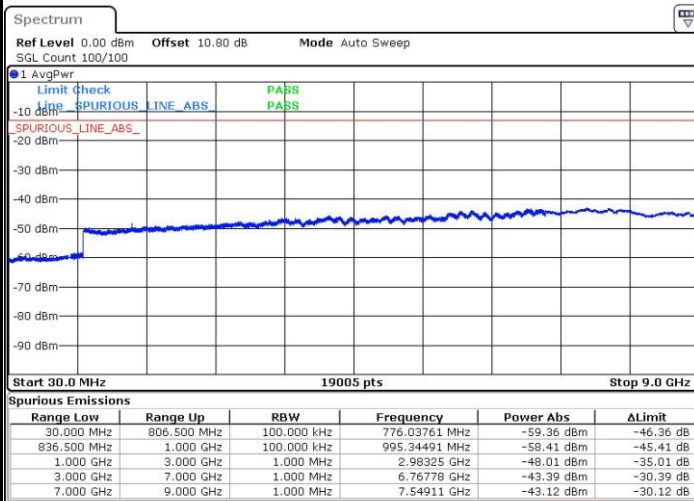
Highest Channel / 16QAM



Date: 28 FEB 2019 00:27:04

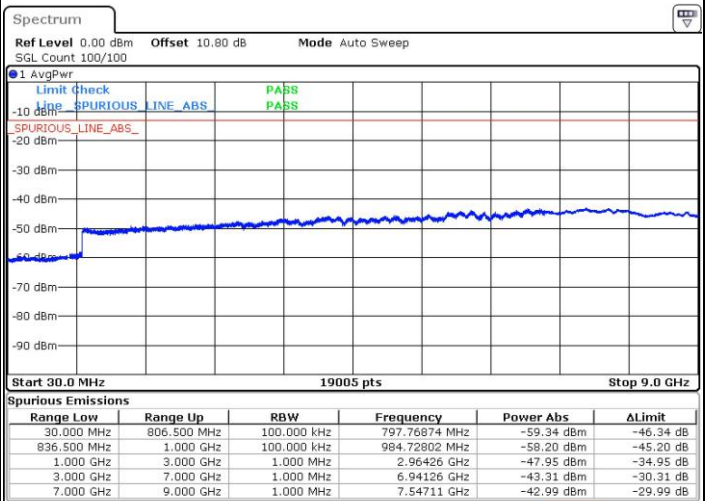
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 28 FEB 2019 00:28:42

Middle Channel / 16QAM

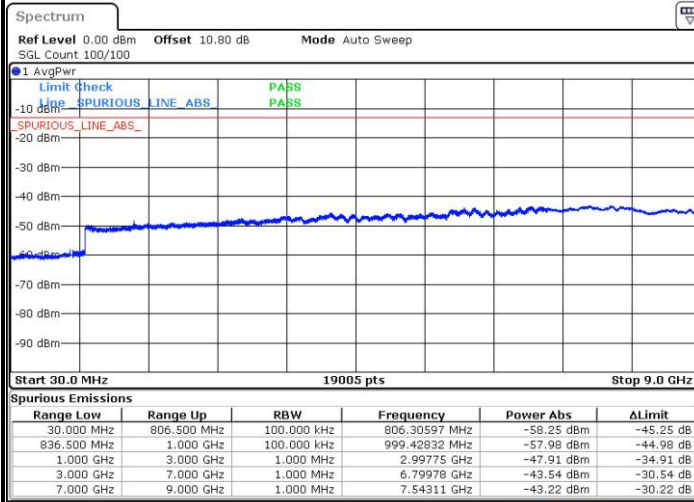


Date: 28 FEB 2019 00:29:33



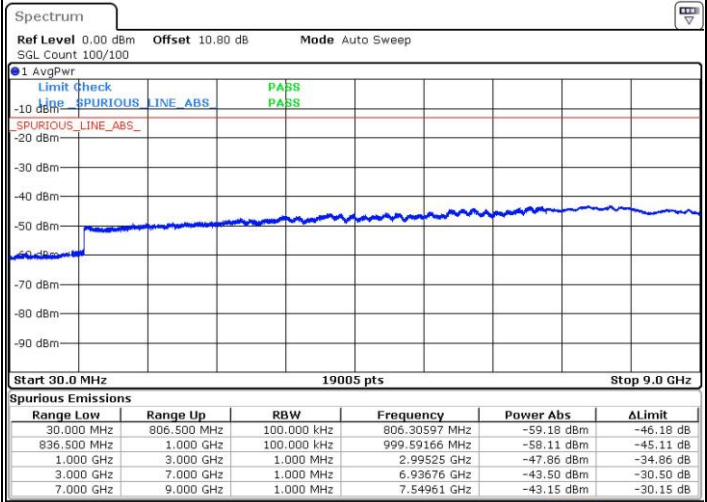
LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 28 FEB 2019 00:31:10

Lowest Channel / 16QAM

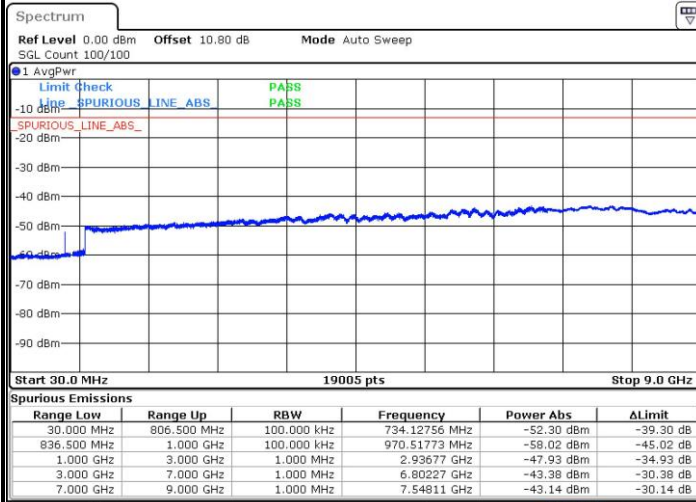


Date: 28 FEB 2019 00:32:02



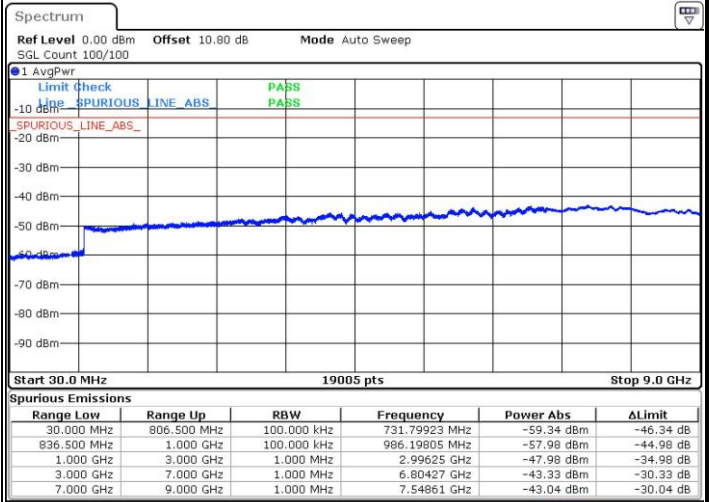
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



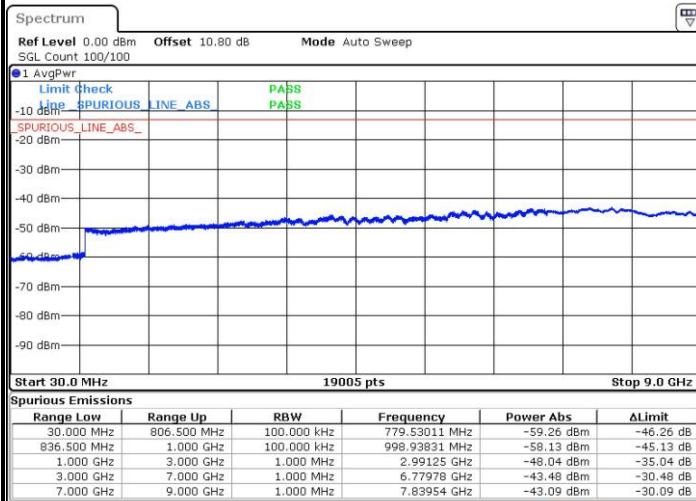
Date: 28 FEB 2019 00:09:42

Middle Channel / 64QAM



Date: 28 FEB 2019 00:10:56

Highest Channel / 64QAM

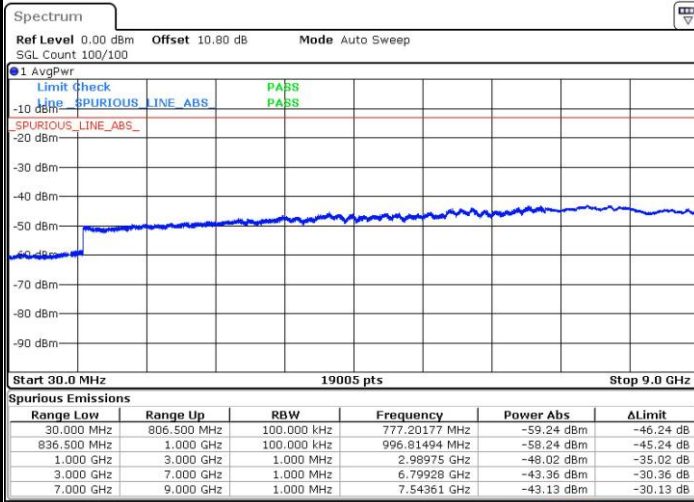


Date: 28 FEB 2019 00:12:11



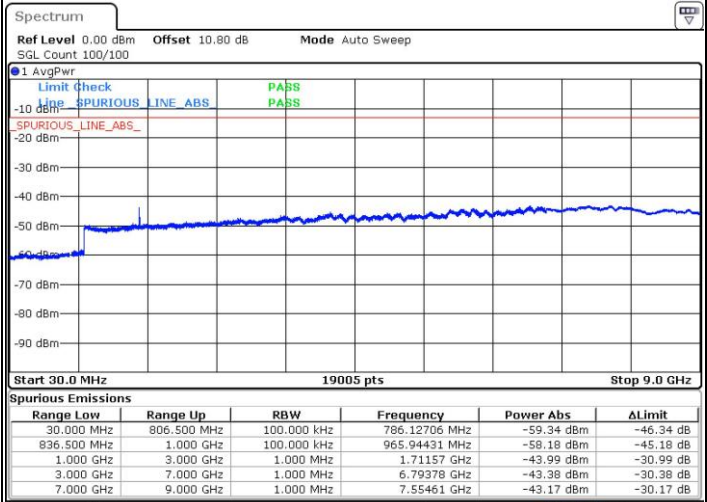
LTE Band 26 / 3MHz

Lowest Channel / 64QAM



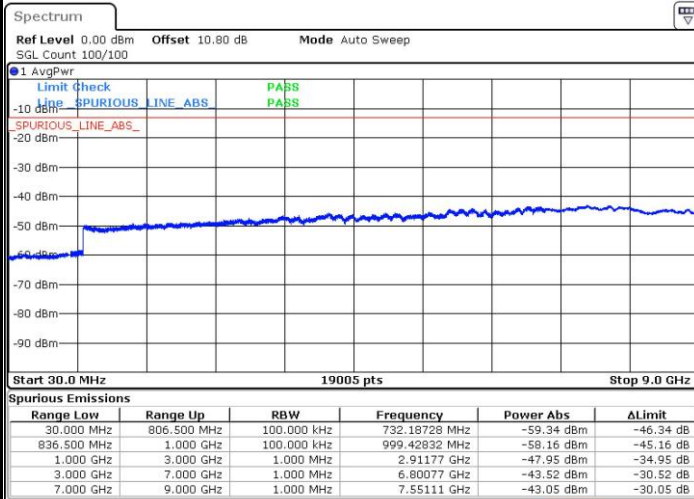
Date: 27 FEB 2019 23:58:03

Middle Channel / 64QAM



Date: 27 FEB 2019 23:59:17

Highest Channel / 64QAM

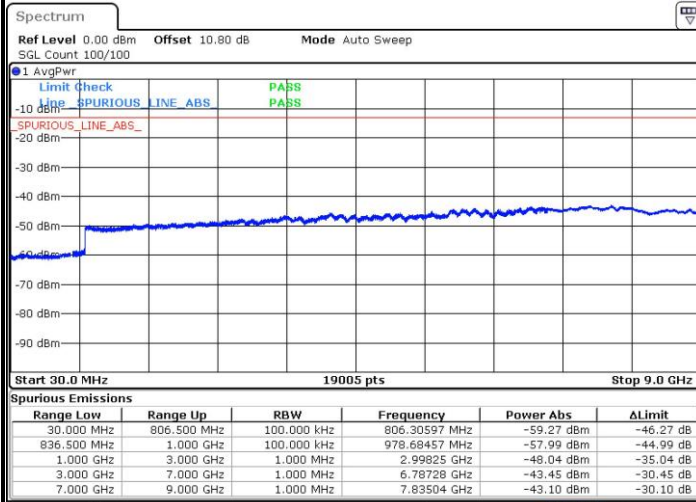


Date: 28 FEB 2019 00:00:32



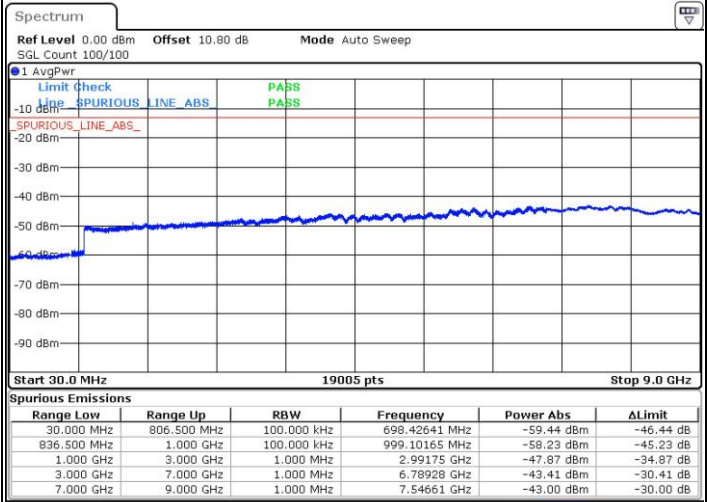
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



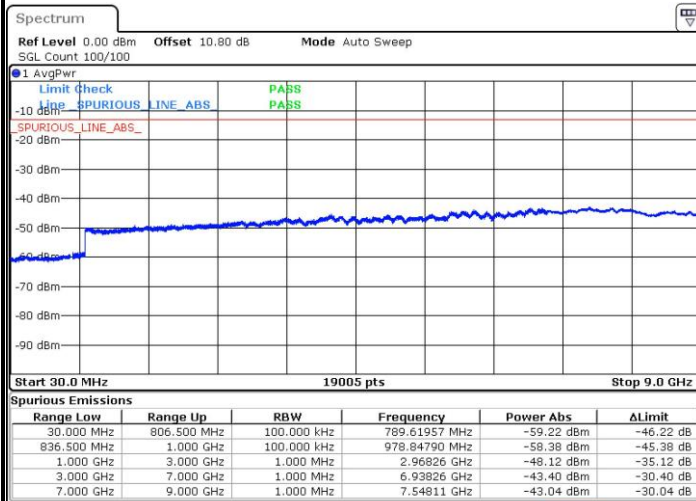
Date: 28 FEB 2019 00:01:46

Middle Channel / 64QAM

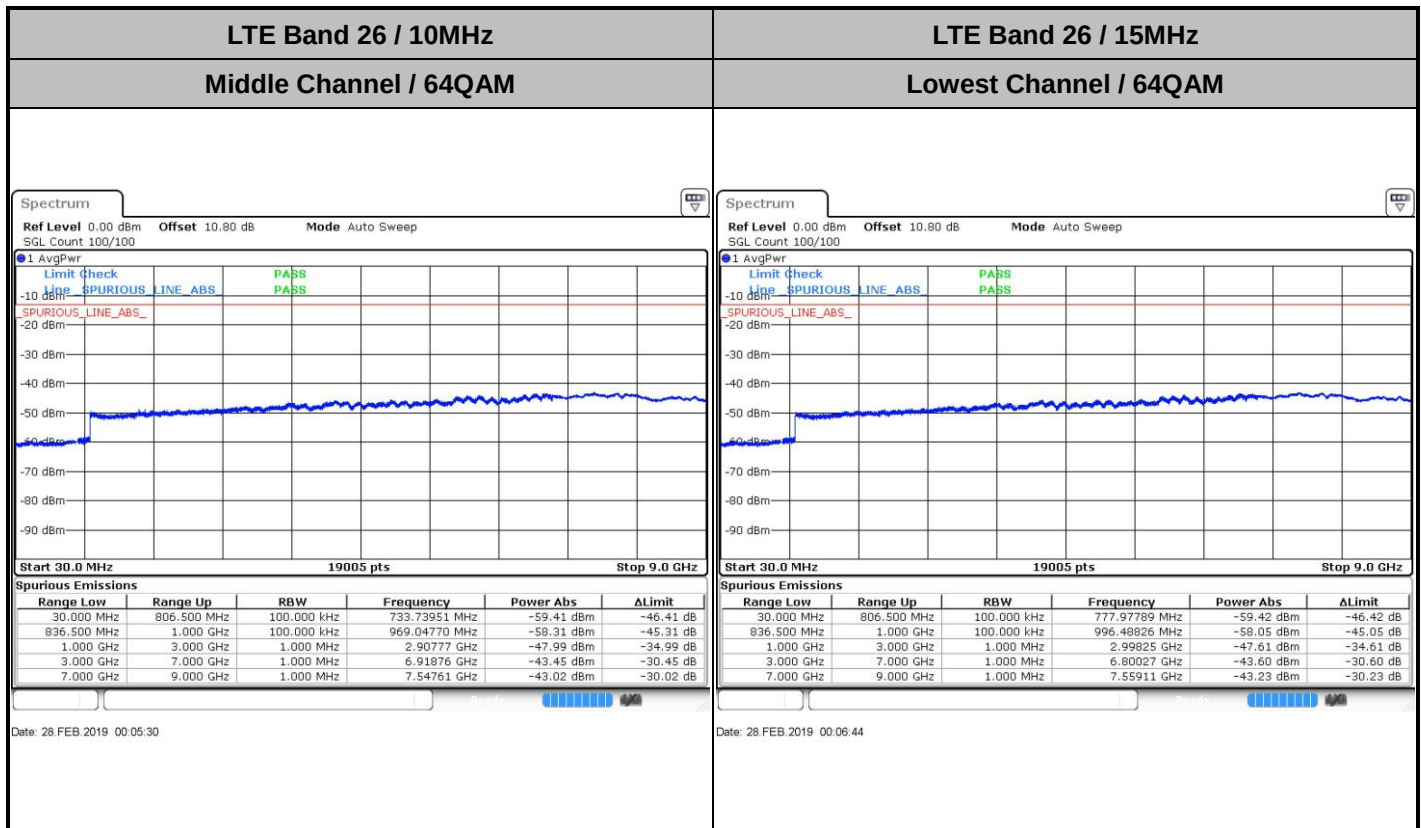


Date: 28 FEB 2019 00:03:01

Highest Channel / 64QAM



Date: 28 FEB 2019 00:04:15



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	0.0031	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0088	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2V.
2. 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	0.0061	PASS
40	Normal Voltage	0.0073	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0073	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0083	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**Appendix B. Test Results of ERP and Radiated Test****ERP****<Reporting Only>**

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = 2.1 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	74	23.01	0.20	22.96	0.20
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	74	22.37	0.17	22.32	0.17
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	74	21.27	0.13	21.22	0.13
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	

**Radiated Spurious Emission****LTE Band 26 Part90S**

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	1628	-60.63	-13	-47.63	-70.66	-66.15	0.91	8.59	H
	2442	-56.40	-13	-43.40	-70.73	-63.73	1.14	10.62	H
	3260	-53.39	-13	-40.39	-69.13	-61.85	1.32	11.92	H
	4080	-41.44	-13	-28.44	-60.15	-50.60	1.48	12.78	H
									H
									H
	1628	-61.44	-13	-48.44	-71	-66.96	0.91	8.59	V
	2442	-56.25	-13	-43.25	-70.68	-63.58	1.14	10.62	V
	3260	-54.18	-13	-41.18	-70.4	-62.64	1.32	11.92	V
	4080	-48.40	-13	-35.40	-67.11	-57.56	1.48	12.78	V
									V
									V
Middle	1640	-60.79	-13	-47.79	-70.88	-66.35	0.92	8.63	H
	2424	-49.32	-13	-36.32	-63.67	-56.63	1.13	10.59	H
	3280	-52.48	-13	-39.48	-68.18	-60.98	1.32	11.97	H
	4096	-39.56	-13	-26.56	-58.26	-48.72	1.47	12.78	H
									H
									H
	1640	-61.44	-13	-48.44	-70.99	-67.00	0.92	8.63	V
	2424	-56.01	-13	-43.01	-70.41	-63.32	1.13	10.59	V
	3280	-54.29	-13	-41.29	-70.46	-62.79	1.32	11.97	V
	4096	-46.57	-13	-33.57	-65.3	-55.73	1.47	12.78	V
									V
									V



Highest	1642	-60.43	-13	-47.43	-70.52	-66.00	0.92	8.64	H
	2463	-56.25	-13	-43.25	-70.57	-63.61	1.14	10.65	H
	3288	-52.84	-13	-39.84	-68.5	-61.36	1.32	11.99	H
	4112	-39.31	-13	-26.31	-58.03	-48.47	1.47	12.78	H
									H
									H
									H
	1642	-61.25	-13	-48.25	-70.8	-66.82	0.92	8.64	V
	2463	-56.54	-13	-43.54	-70.99	-63.90	1.14	10.65	V
	3288	-54.43	-13	-41.43	-70.55	-62.95	1.32	11.99	V
	4112	-47.47	-13	-34.47	-66.24	-56.63	1.47	12.78	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	1648	-60.97	-13	-47.97	-71.07	-66.56	0.92	8.66	H
	2470	-56.36	-13	-43.36	-70.68	-63.72	1.14	10.66	H
	3296	-53.17	-13	-40.17	-68.84	-61.71	1.32	12.01	H
	4120	-39.25	-13	-26.25	-57.99	-48.41	1.47	12.78	H
									H
									H
									H
	1648	-61.09	-13	-48.09	-70.65	-66.68	0.92	8.66	V
	2470	-56.44	-13	-43.44	-70.89	-63.80	1.14	10.66	V
	3296	-54.29	-13	-41.29	-70.42	-62.83	1.32	12.01	V
	4120	-46.52	-13	-33.52	-65.33	-55.68	1.47	12.78	V
									V
									V
									V
Lowest	1656	-60.92	-13	-47.92	-71.05	-66.54	0.92	8.69	H
	2488	-56.34	-13	-43.34	-70.65	-63.73	1.15	10.68	H
	3312	-51.40	-13	-38.40	-67.02	-59.97	1.33	12.05	H
	4144	-37.23	-13	-24.23	-55.98	-46.38	1.47	12.77	H
									H
									H
									H
	1656	-61.34	-13	-48.34	-70.87	-66.96	0.92	8.69	V
	2488	-56.50	-13	-43.50	-71.03	-63.89	1.15	10.68	V
	3312	-54.32	-13	-41.32	-70.41	-62.89	1.33	12.05	V
	4144	-45.28	-13	-32.28	-64.12	-54.43	1.47	12.77	V
									V
									V
									V

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