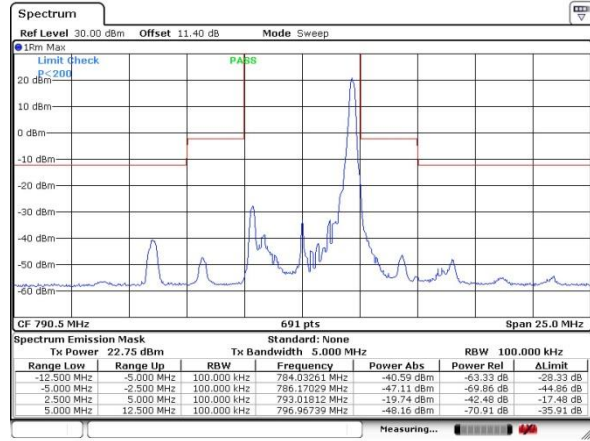
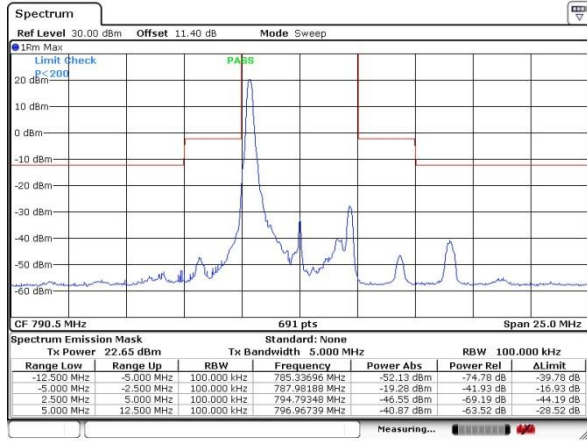


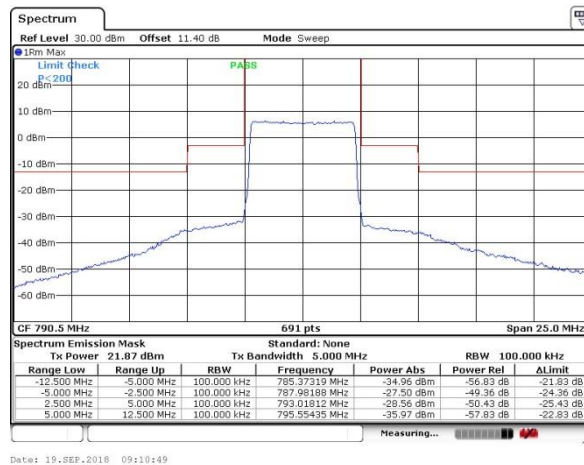


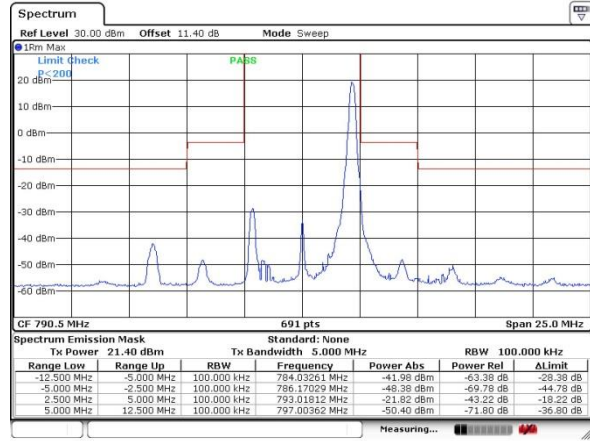
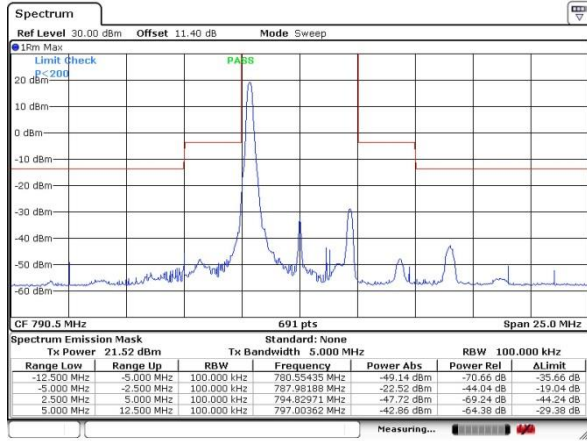
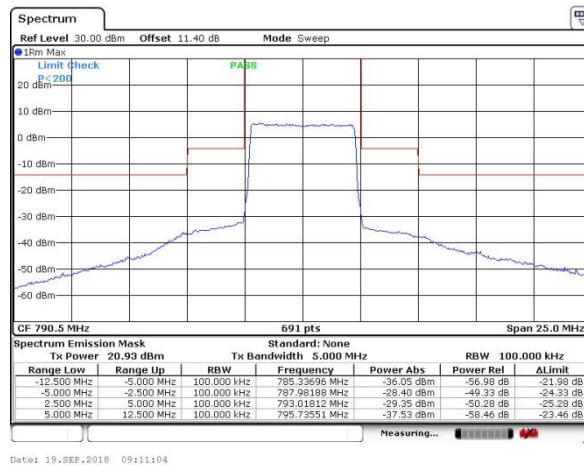
LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB



Lowest Channel / Full RB

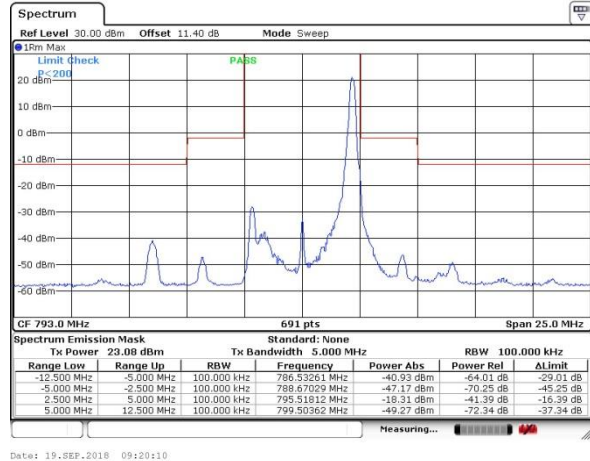
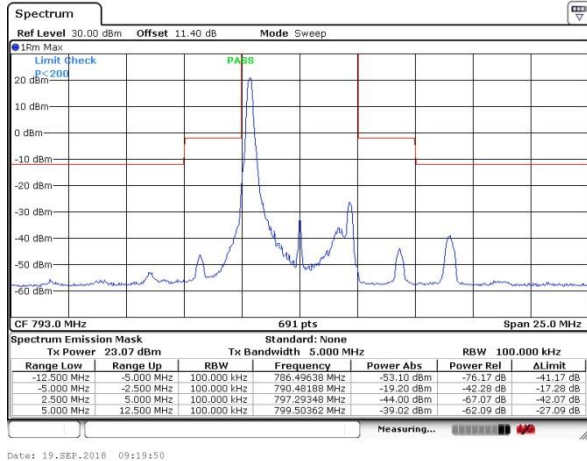


LTE Band 14 / 5MHz / 64QAM
Lowest Channel / 1RB

Lowest Channel / Full RB


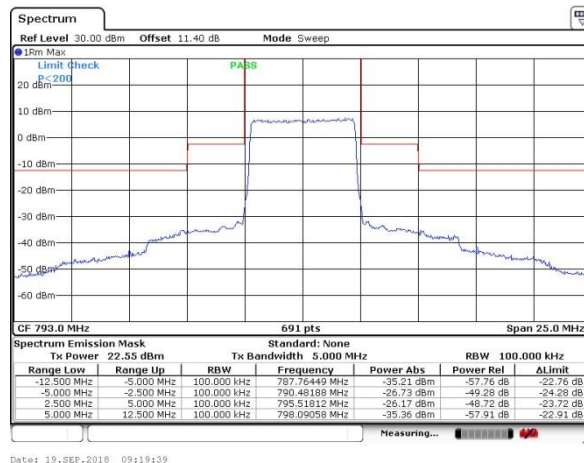


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB



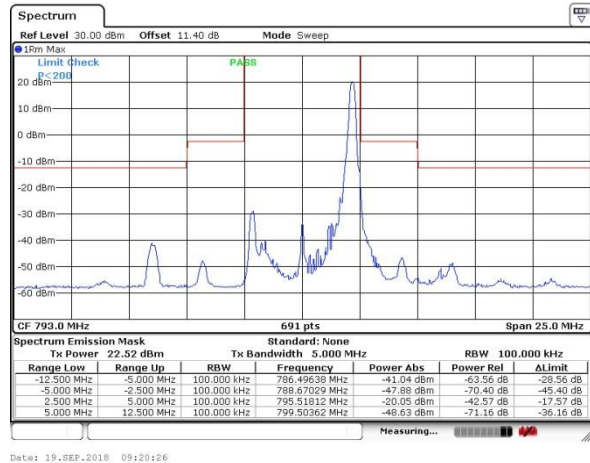
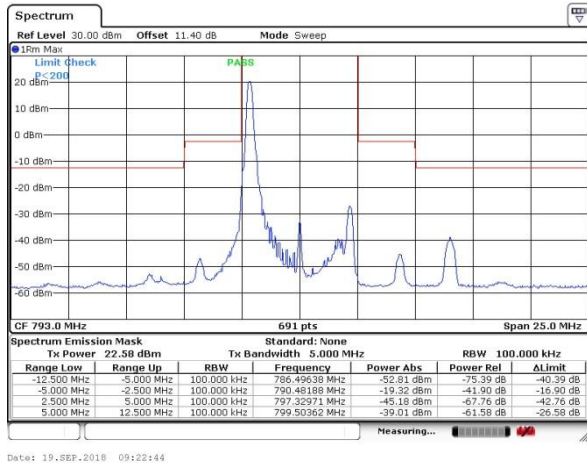
Middle Channel / Full RB



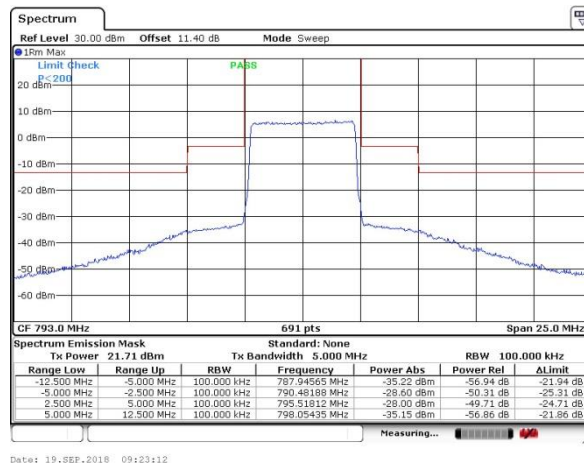


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB



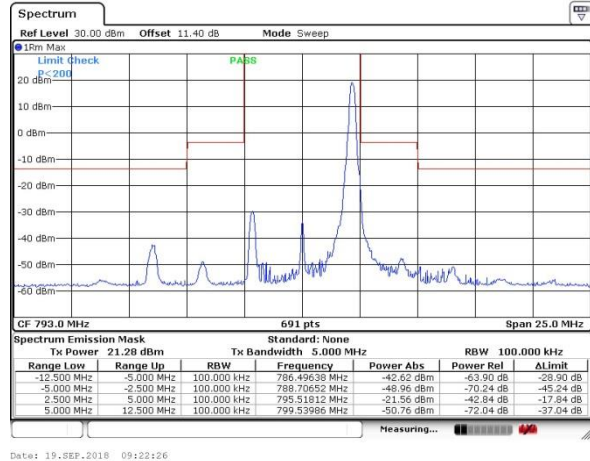
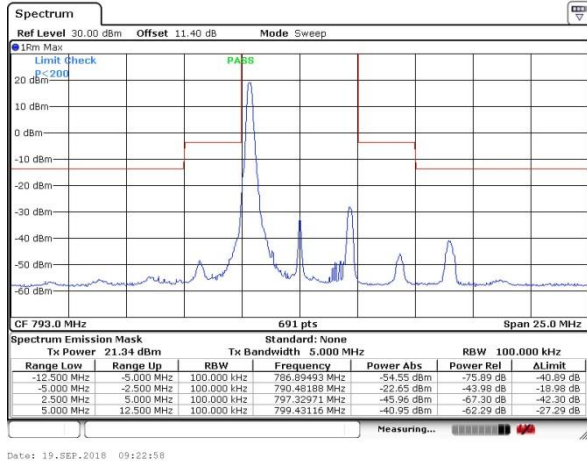
Middle Channel / Full RB



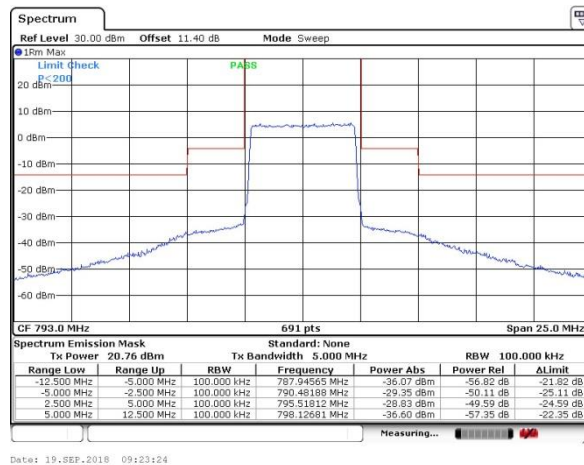


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



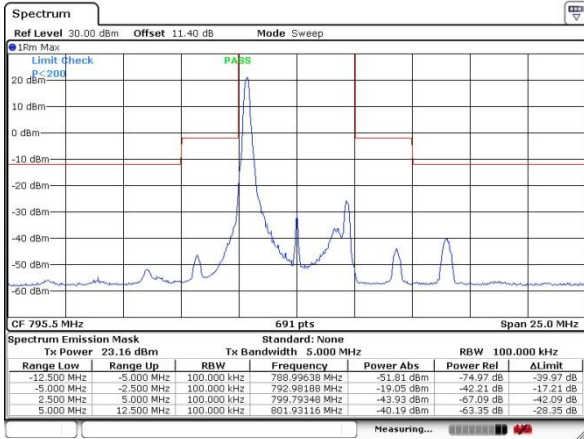
Middle Channel / Full RB



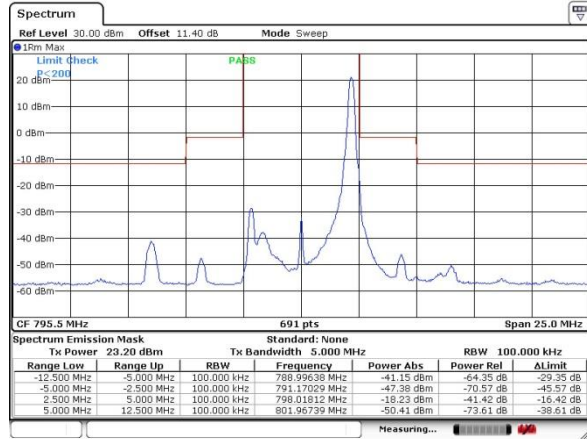


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

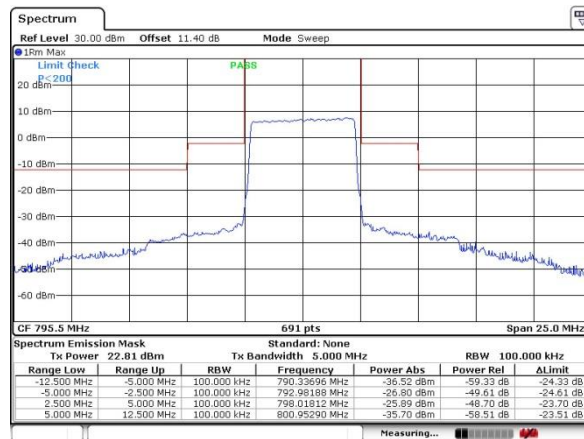


Date: 19.SEP.2018 09:31:15

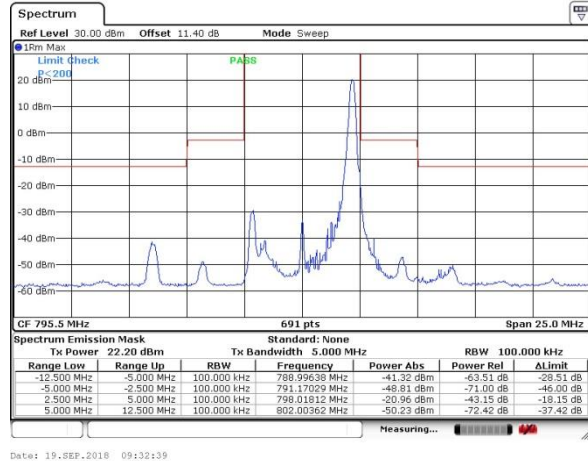
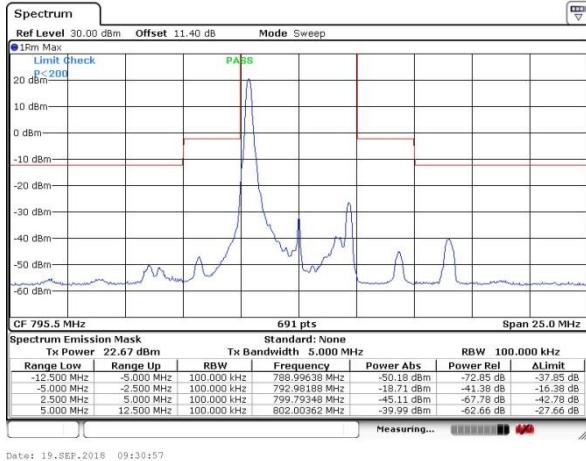
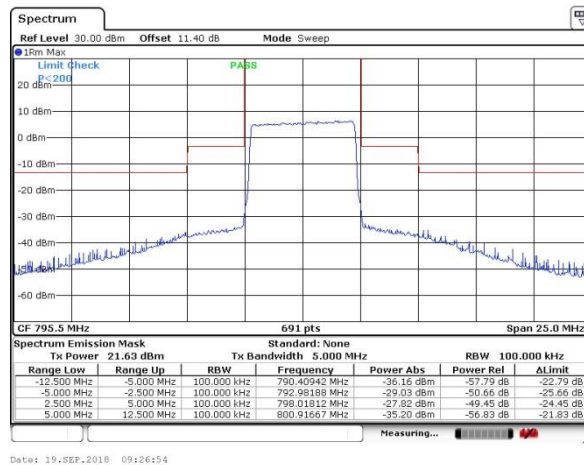


Date: 19.SEP.2018 09:32:25

Highest Channel / Full RB



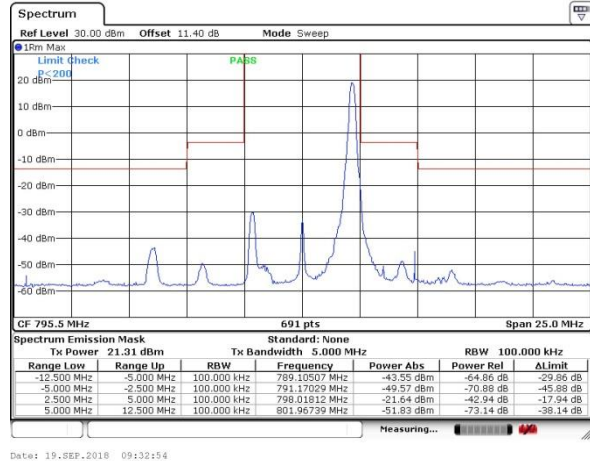
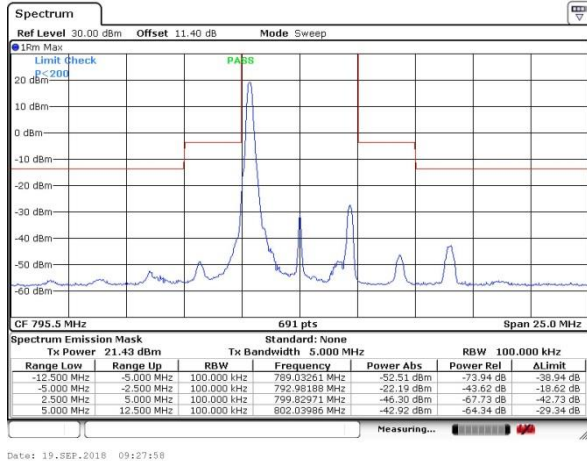
Date: 19.SEP.2018 09:26:40

LTE Band 14 / 5MHz / 16QAM
Highest Channel / 1RB

Highest Channel / Full RB


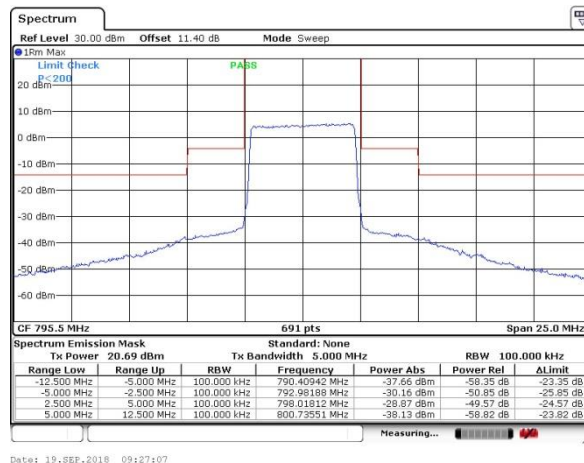


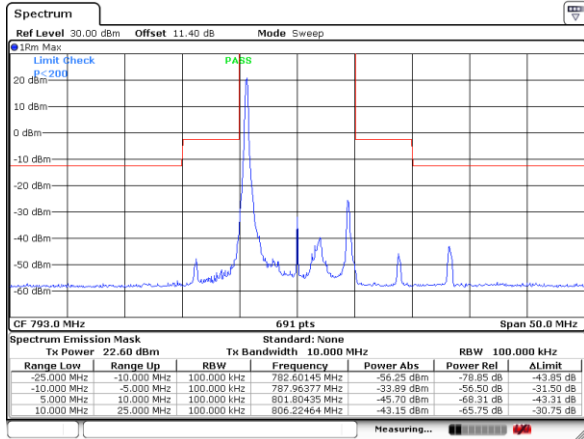
LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

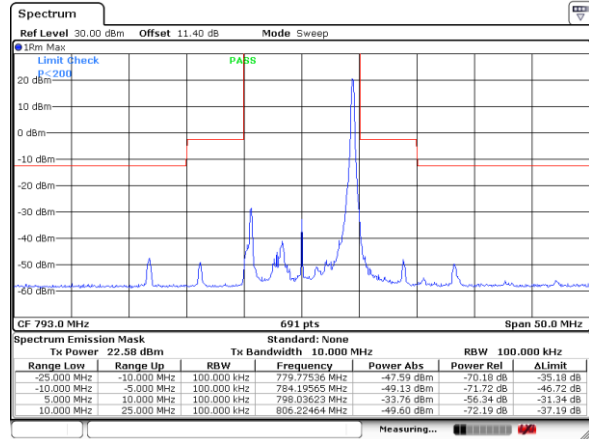


Highest Channel / Full RB

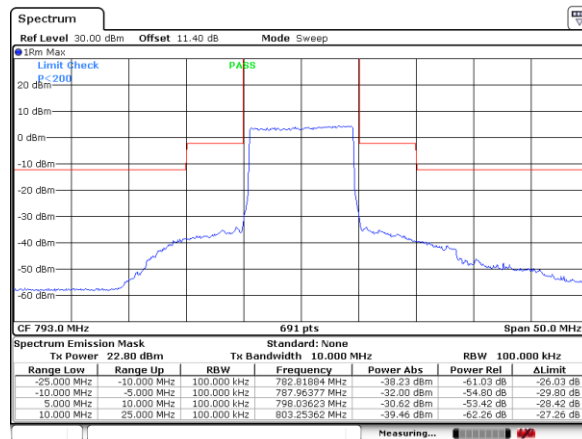


LTE Band 14 / 10MHz / QPSK
Middle Channel / 1RB


Date: 19.SEP.2018 09:36:58



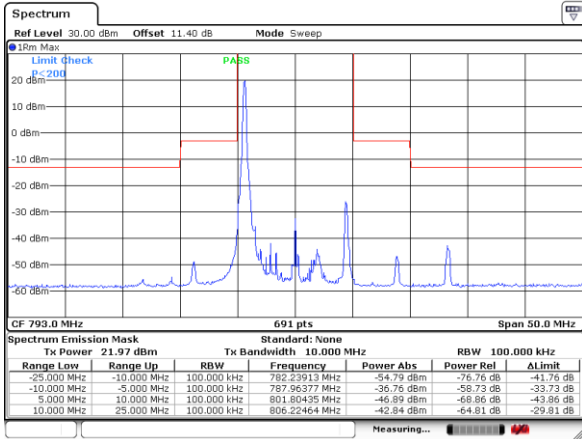
Date: 19.SEP.2018 09:37:15

Middle Channel / Full RB


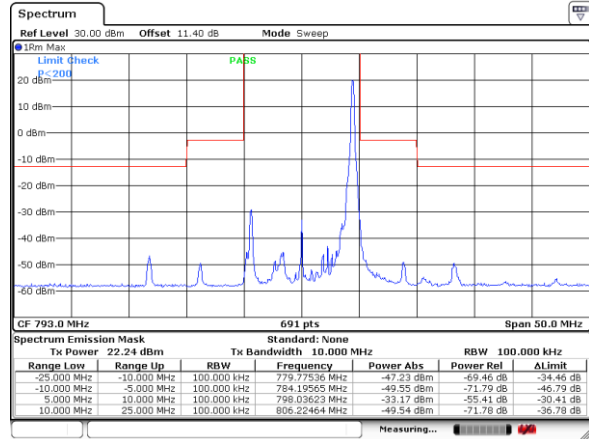
Date: 19.SEP.2018 09:35:52

LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

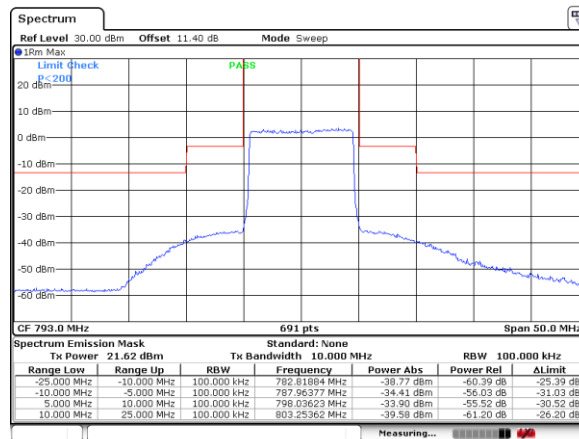


Date: 19.SEP.2018 09:36:48



Date: 19.SEP.2018 09:37:29

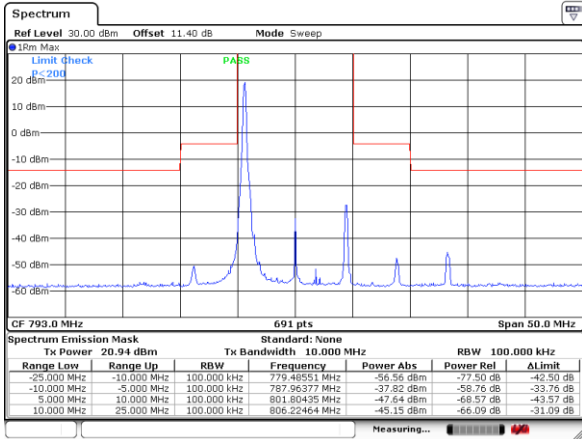
Middle Channel / Full RB



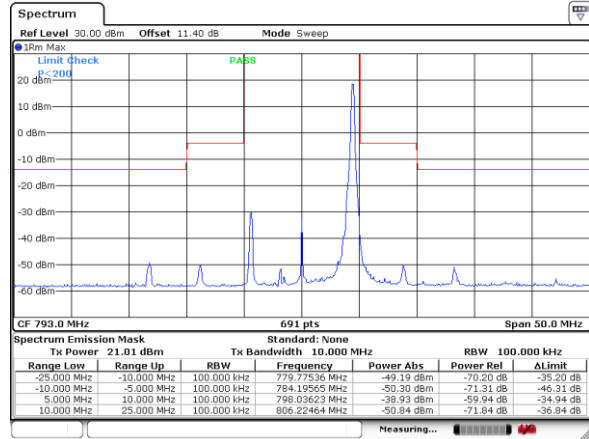
Date: 19.SEP.2018 09:36:11

LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB

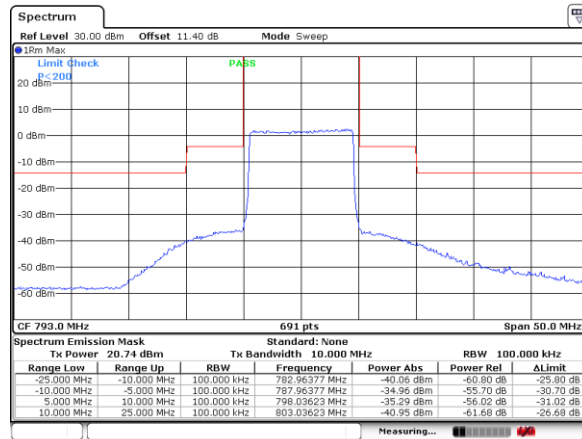


Date: 19.SEP.2018 09:36:37



Date: 19.SEP.2018 09:37:45

Middle Channel / Full RB



Date: 19.SEP.2018 09:36:25

Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0034	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0125	
-30	Normal Voltage	0.0093	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

LTE Band 14 / 5MHz (Average) (GT - LC = 1.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.23	0.2104	22.78	0.1897
Middle		1	0	23.28	0.2128	22.83	0.1919
Highest		1	0	23.27	0.2123	22.82	0.1914
Lowest	16QAM	1	12	22.63	0.1832	22.18	0.1652
Middle		1	12	22.58	0.1811	22.13	0.1633
Highest		1	12	22.65	0.1841	22.20	0.1660
Lowest	64QAM	1	0	21.49	0.1409	21.04	0.1271
Middle		1	0	21.58	0.1439	21.13	0.1297
Highest		1	0	21.52	0.1419	21.07	0.1279
Limit	ERP < 3W			Result		PASS	

LTE Band 14 / 10MHz (Average) (GT - LC = 1.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.29	0.2133	22.84	0.1923
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	22.63	0.1832	22.18	0.1652
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	49	21.58	0.1439	21.13	0.1297
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****LTE Band 14**

LTE Band 14 / 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	1576	-52.03	-42.15	-9.88	-60.93	-57.49	0.79	8.40	H
	2368	-59.33	-13	-46.33	-73.14	-66.78	1.02	10.62	H
	3152	-56.32	-13	-43.32	-72.79	-64.59	1.11	11.53	H
	3944	-50.52	-13	-37.52	-68.71	-59.64	1.39	12.66	H
	4728	-47.71	-13	-34.71	-67.96	-56.90	1.31	12.65	H
									H
	1576	-56.71	-42.15	-14.56	-65.14	-62.17	0.79	8.40	V
	2368	-58.30	-13	-45.30	-72.5	-65.75	1.02	10.62	V
	3152	-56.80	-13	-43.80	-73.11	-65.07	1.11	11.53	V
	3944	-53.36	-13	-40.36	-71.98	-62.48	1.39	12.66	V
	4728	-49.91	-13	-36.91	-70.88	-59.10	1.31	12.65	V
									V
Middle	1576	-50.84	-42.15	-8.69	-59.33	-56.30	0.79	8.40	H
	2368	-59.47	-13	-46.47	-73.35	-66.92	1.02	10.62	H
	3152	-56.48	-13	-43.48	72.57	-64.75	1.11	11.53	H
	3944	-49.48	-13	-36.48	67.55	-58.60	1.39	12.66	H
	4728	-47.69	-13	-34.69	68.09	-56.88	1.31	12.65	H
									H
	1576	-55.57	-42.15	-13.42	-64.39	-61.03	0.79	8.40	V
	2368	-58.04	-13	-45.04	-71.87	-65.49	1.02	10.62	V
	3152	-56.32	-13	-43.32	-73.07	-64.59	1.11	11.53	V
	3944	-53.21	-13	-40.21	-71.45	-62.33	1.39	12.66	V
	4728	-50.41	-13	-37.41	-71.76	-59.60	1.31	12.65	V
									V



Highest	1584	-53.20	-42.15	-11.05	-61.81	-58.69	0.80	8.44	H
	2384	-59.35	-13	-46.35	-72.53	-66.82	1.02	10.64	H
	3176	-56.93	-13	-43.93	-72.94	-65.26	1.11	11.59	H
	3968	-51.47	-13	-38.47	-69.48	-60.58	1.41	12.67	H
	4760	-47.54	-13	-34.54	-68.02	-56.72	1.32	12.65	H
									H
	1584	-52.13	-42.15	-9.98	-61.27	-57.62	0.80	8.44	V
	2384	-57.56	-13	-44.56	-71.79	-65.03	1.02	10.64	V
	3176	-57.05	-13	-44.05	-73.44	-65.38	1.11	11.59	V
	3968	-53.31	-13	-40.31	-72.26	-62.42	1.41	12.67	V
	4760	-49.51	-13	-36.51	-70.95	-58.69	1.32	12.65	V
									V

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