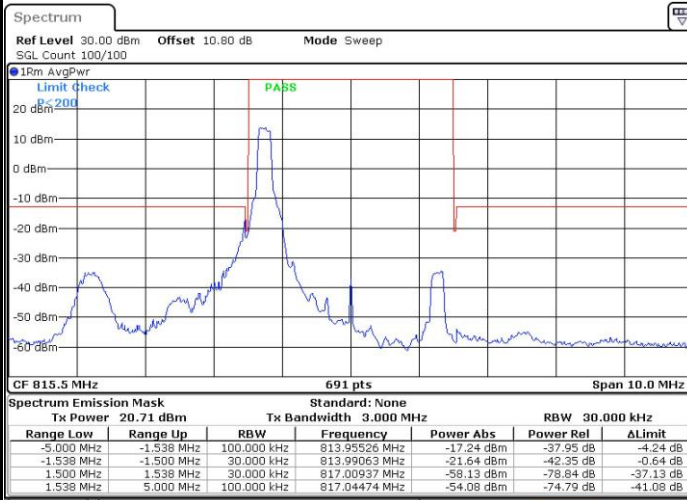




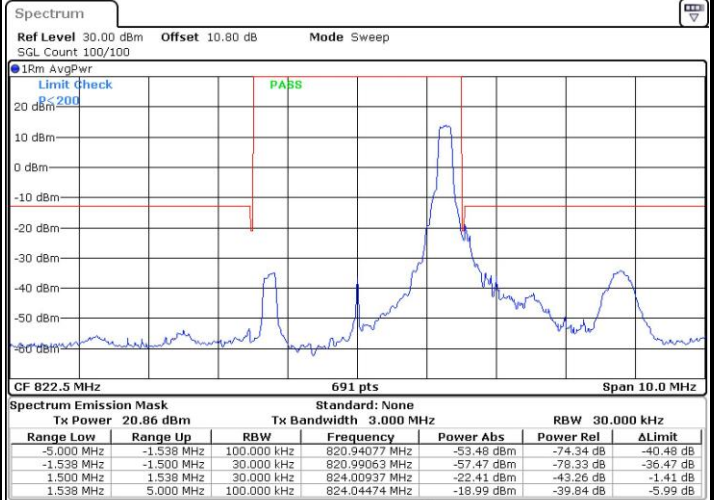
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



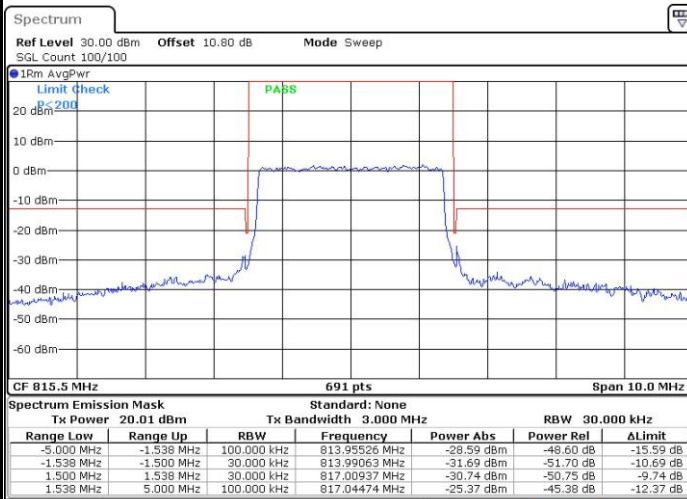
Date: 14.SEP.2018 17:04:42

Highest Band Edge / 1 RB



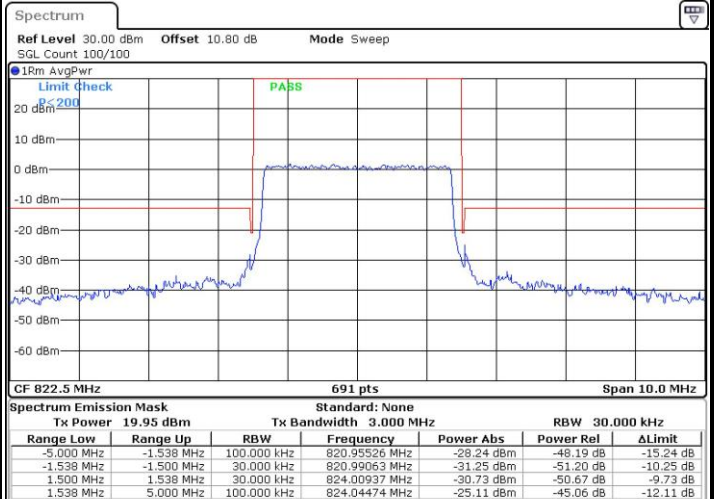
Date: 14.SEP.2018 17:08:25

Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:06:34

Highest Band Edge / Full RB

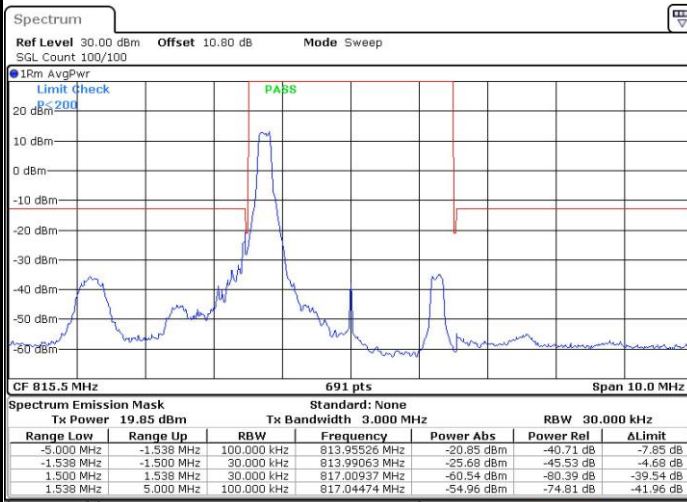


Date: 14.SEP.2018 17:10:16



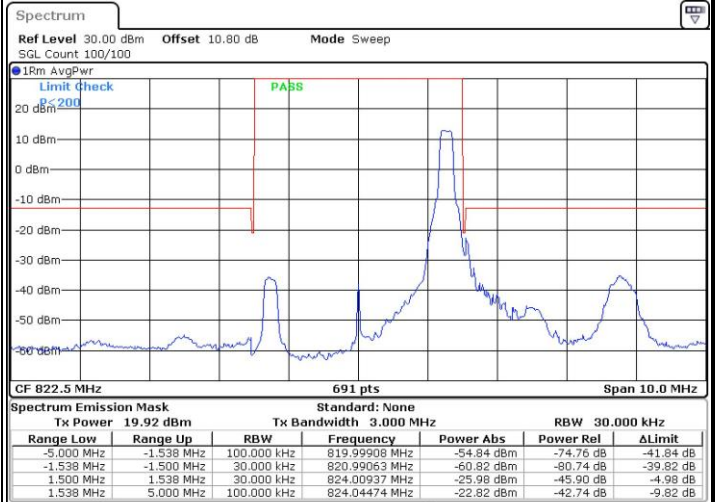
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



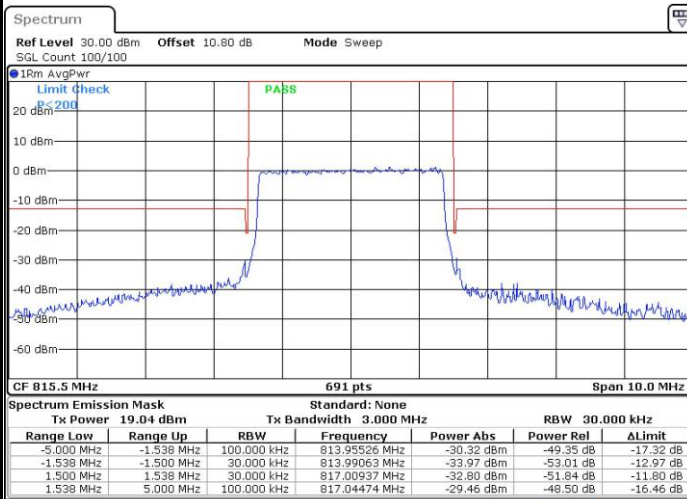
Date: 14.SEP.2018 17:33:21

Highest Band Edge / 1 RB



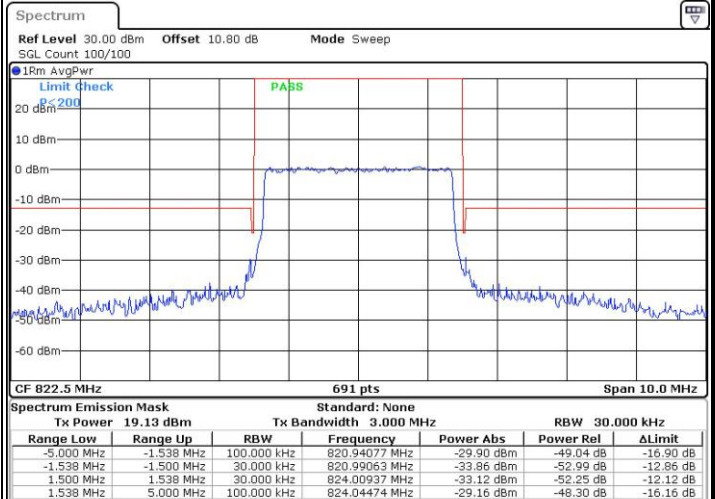
Date: 14.SEP.2018 17:35:12

Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:34:16

Highest Band Edge / Full RB

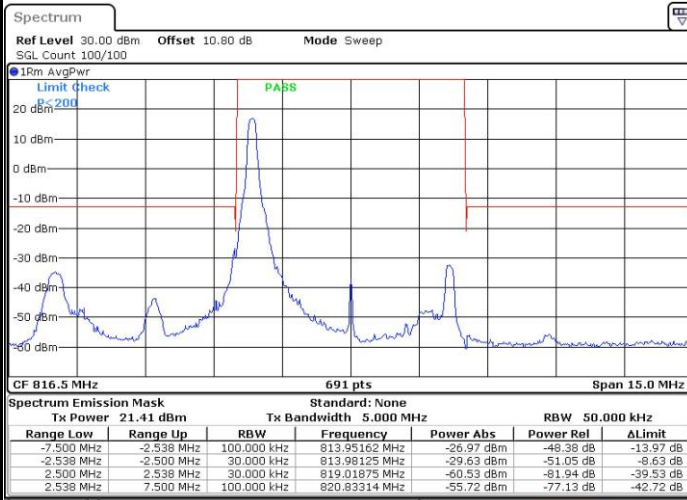


Date: 14.SEP.2018 17:36:08



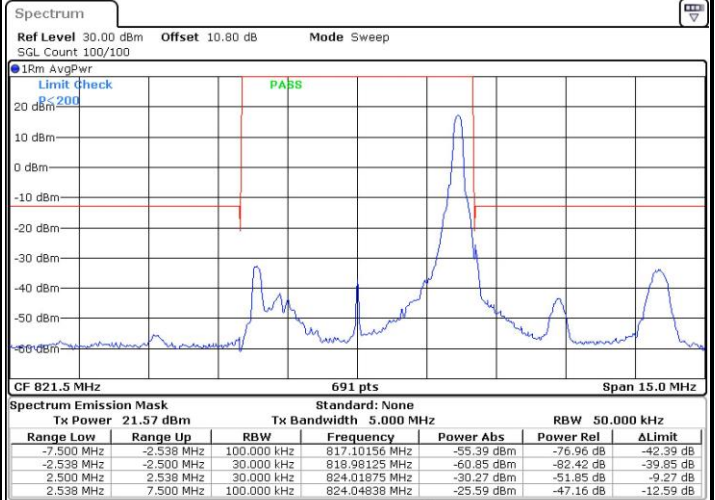
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



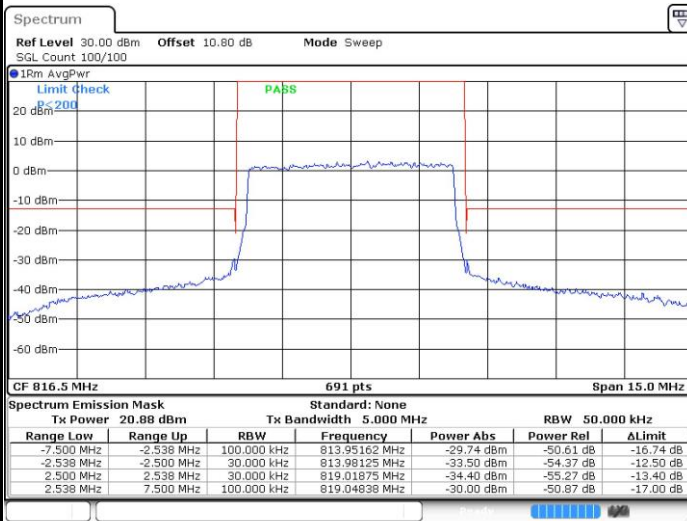
Date: 14.SEP.2018 17:11:12

Highest Band Edge / 1 RB



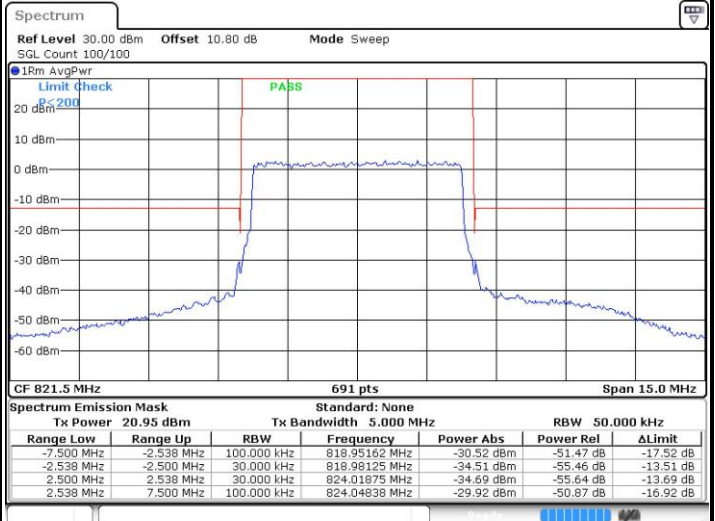
Date: 14.SEP.2018 17:14:53

Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:13:03

Highest Band Edge / Full RB

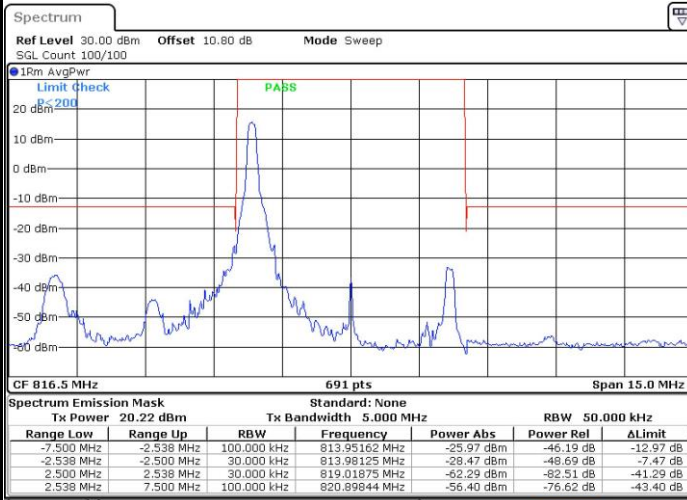


Date: 14.SEP.2018 17:16:44



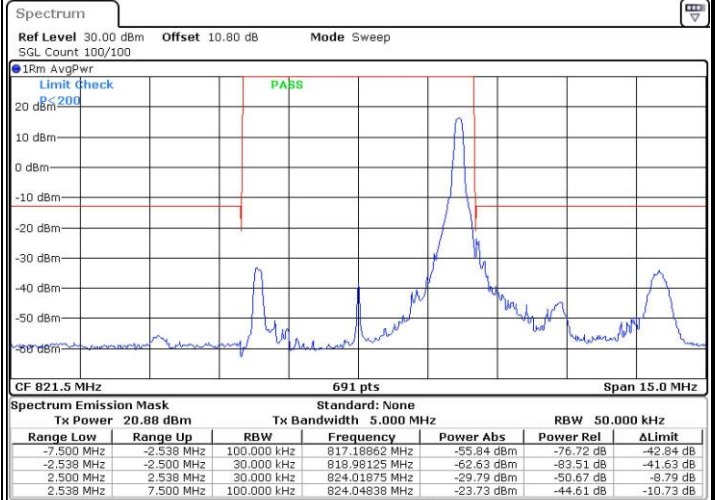
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



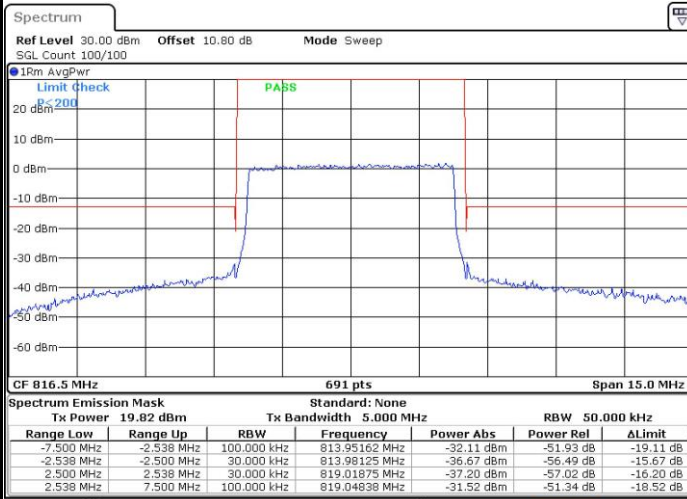
Date: 14.SEP.2018 17:12:07

Highest Band Edge / 1 RB



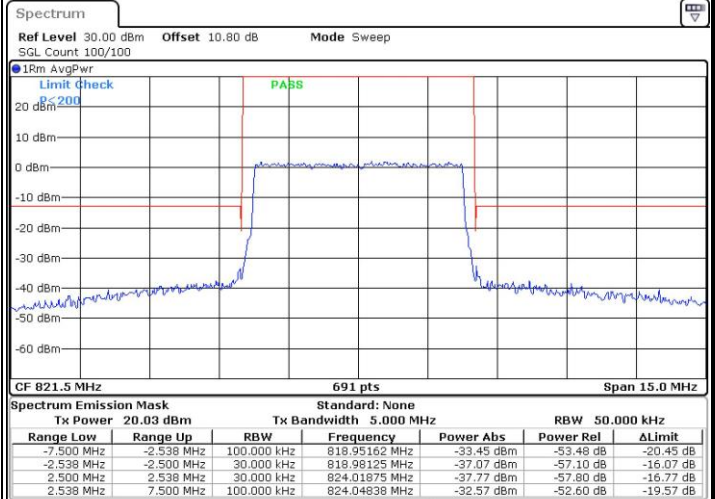
Date: 14.SEP.2018 17:15:49

Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:13:58

Highest Band Edge / Full RB

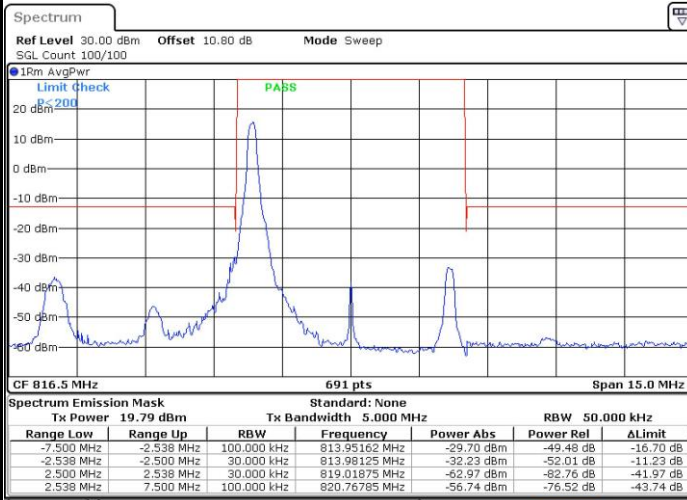


Date: 14.SEP.2018 17:17:39



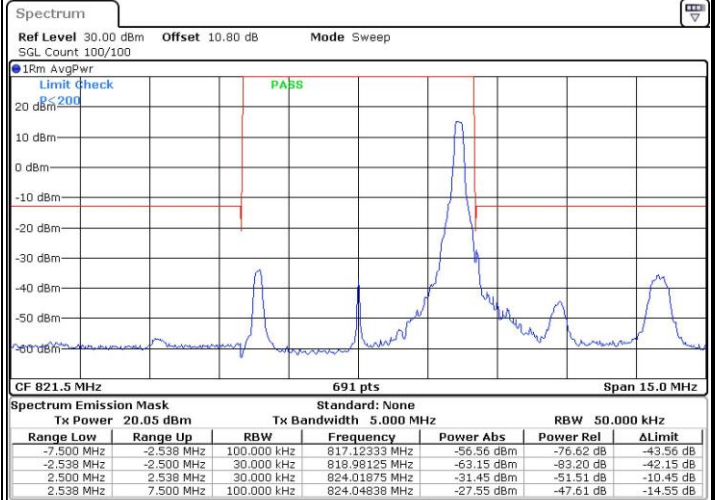
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



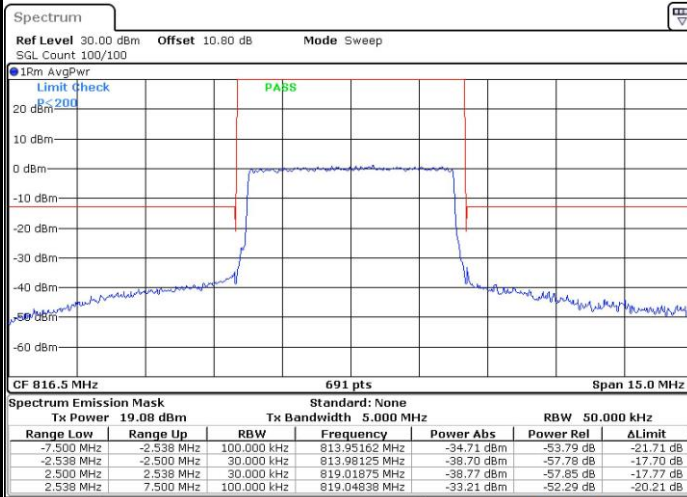
Date: 14.SEP.2018 17:37:03

Highest Band Edge / 1 RB



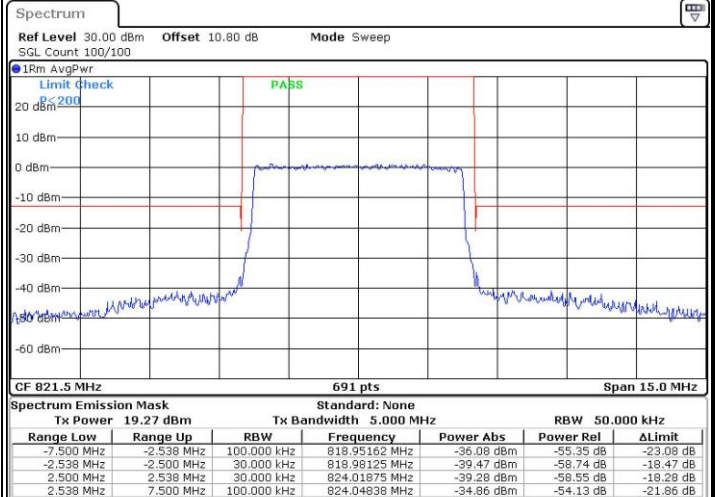
Date: 14.SEP.2018 17:38:54

Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:37:58

Highest Band Edge / Full RB

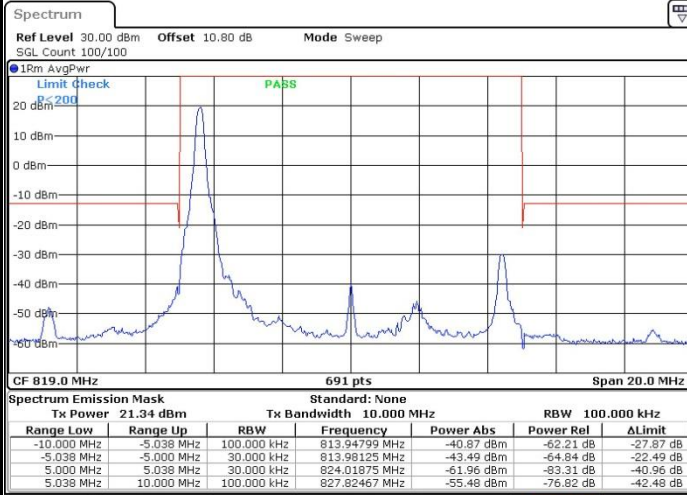


Date: 14.SEP.2018 17:39:49



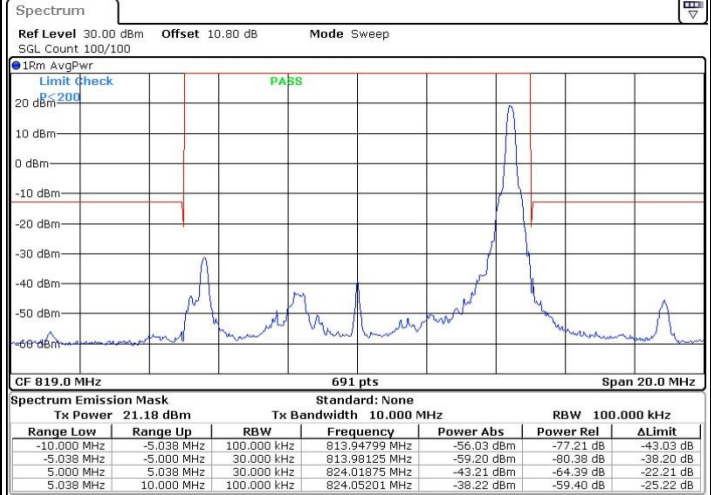
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



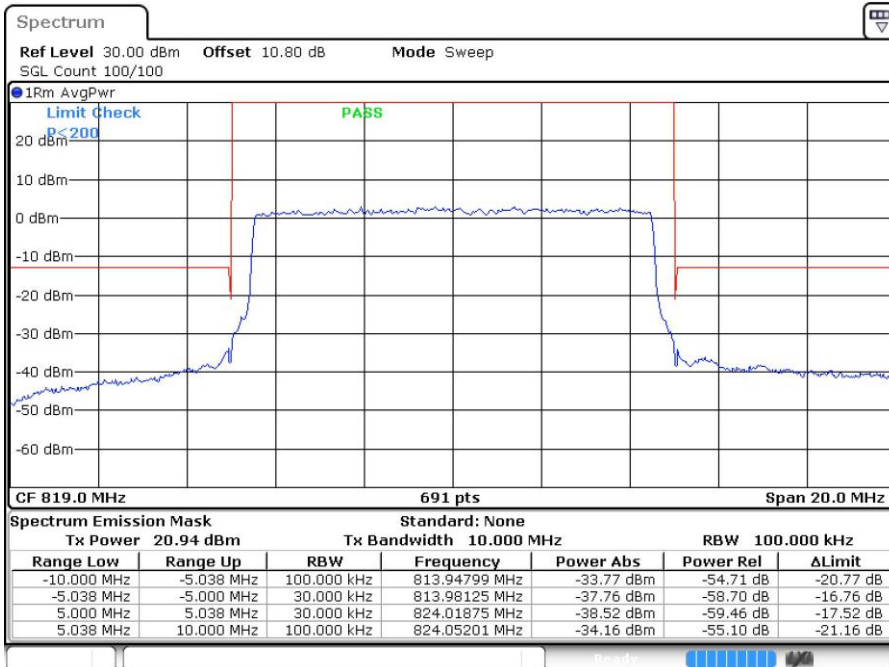
Date: 14.SEP.2018 17:18:35

Highest Band Edge / 1 RB



Date: 14.SEP.2018 17:20:25

Band Edge / Full RB

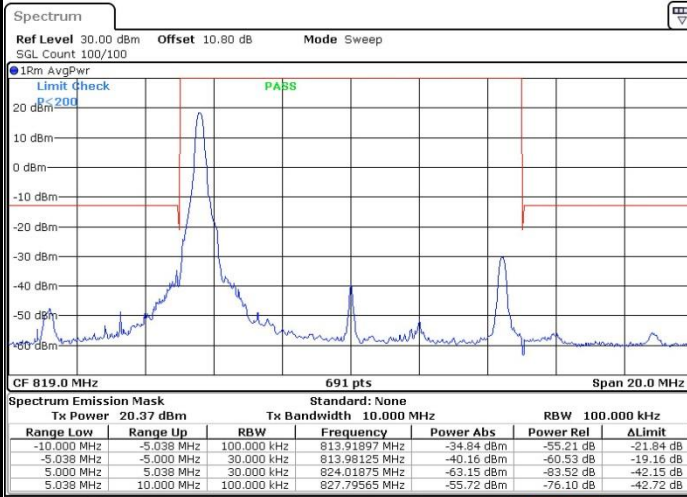


Date: 14.SEP.2018 17:22:16



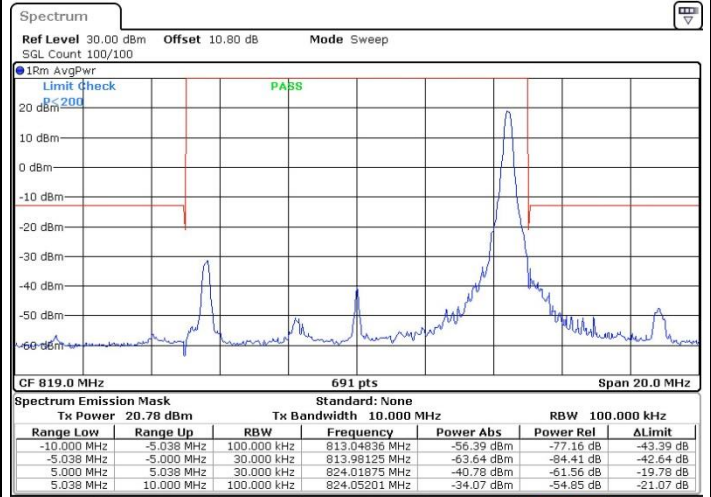
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



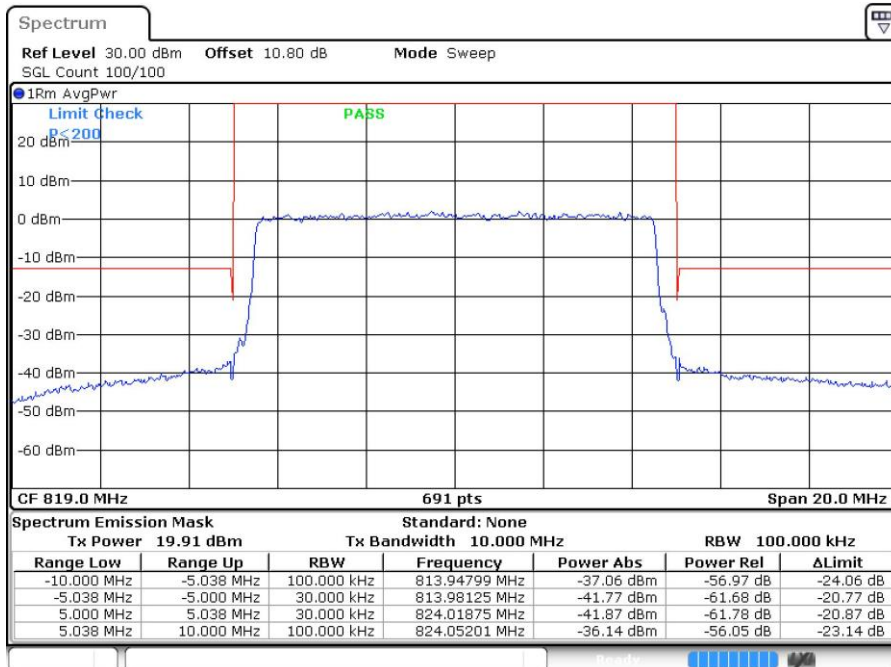
Date: 14.SEP.2018 17:19:30

Highest Band Edge / 1 RB



Date: 14.SEP.2018 17:21:21

Band Edge / Full RB



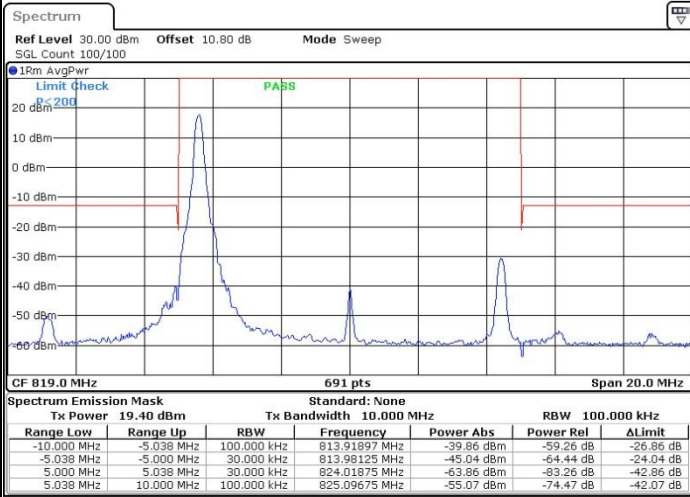
Date: 14.SEP.2018 17:23:12



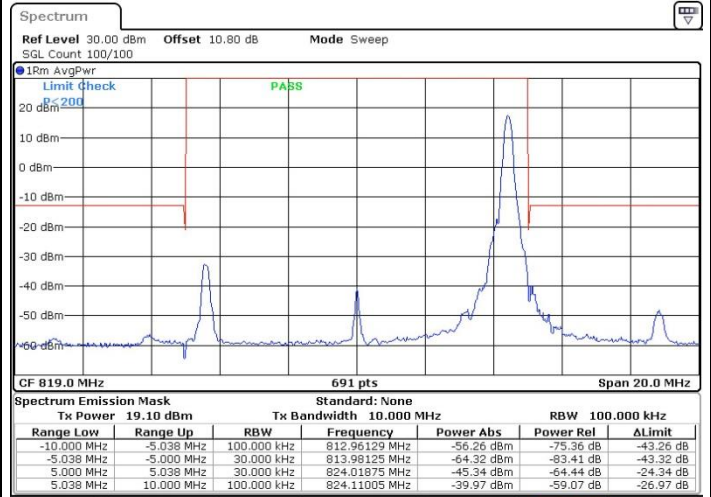
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

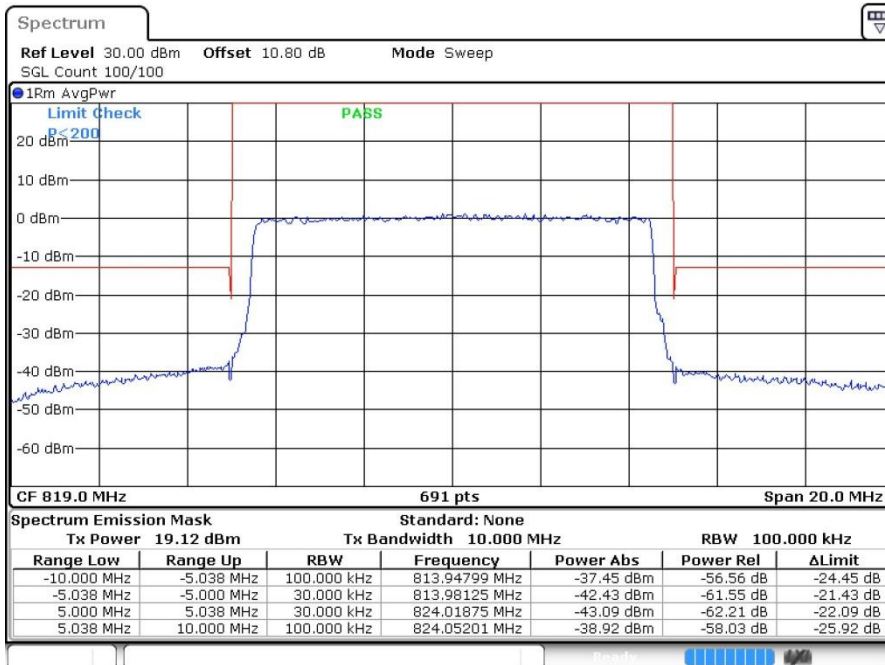


Date: 14.SEP.2018 17:40:44



Date: 14.SEP.2018 17:41:40

Band Edge / Full RB



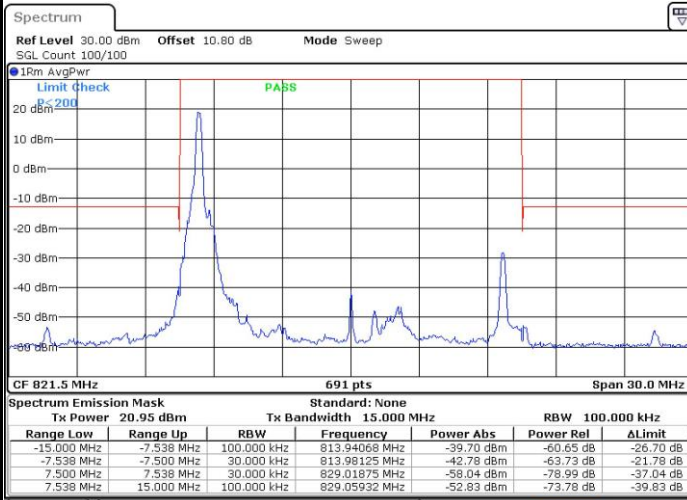
Date: 14.SEP.2018 17:42:35





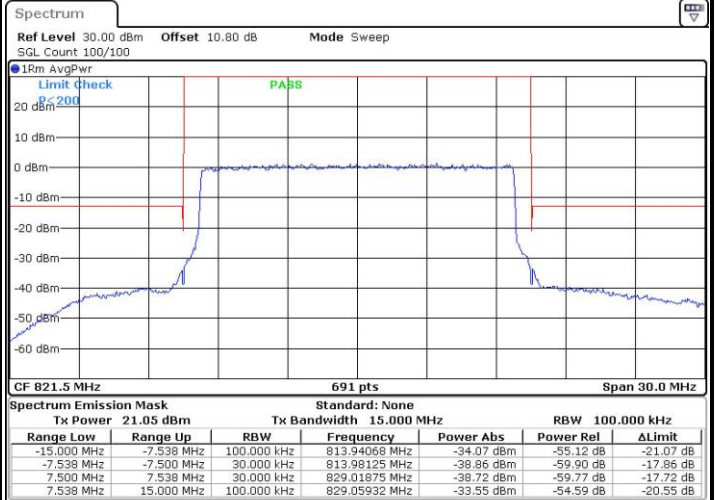
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 14.SEP.2018 17:24:07

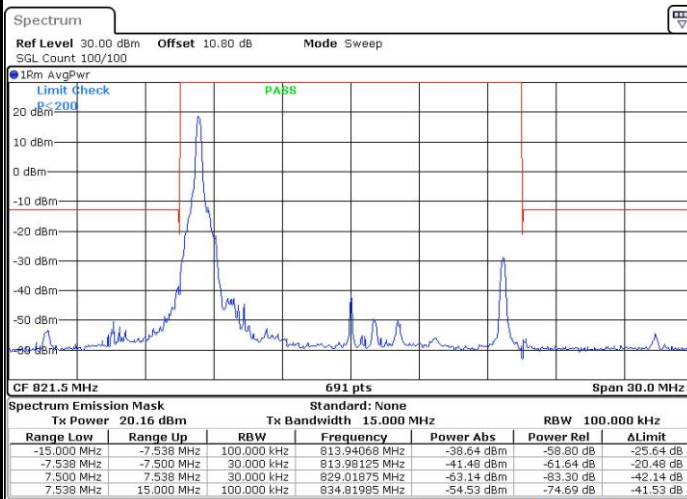
Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:27:48

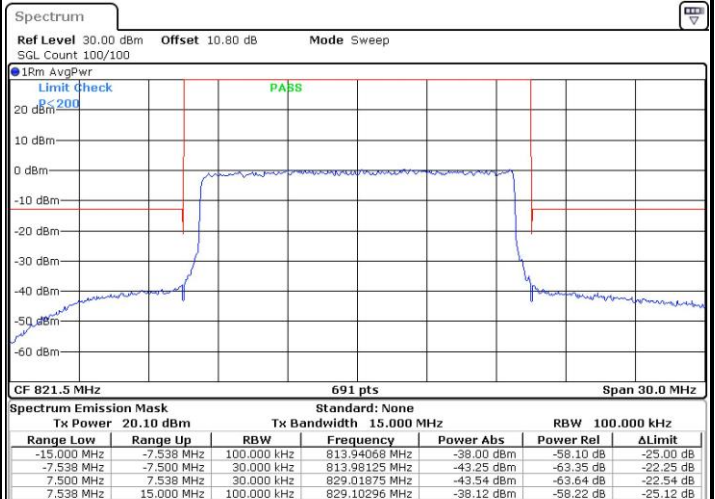
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 14.SEP.2018 17:25:02

Lowest Band Edge / Full RB

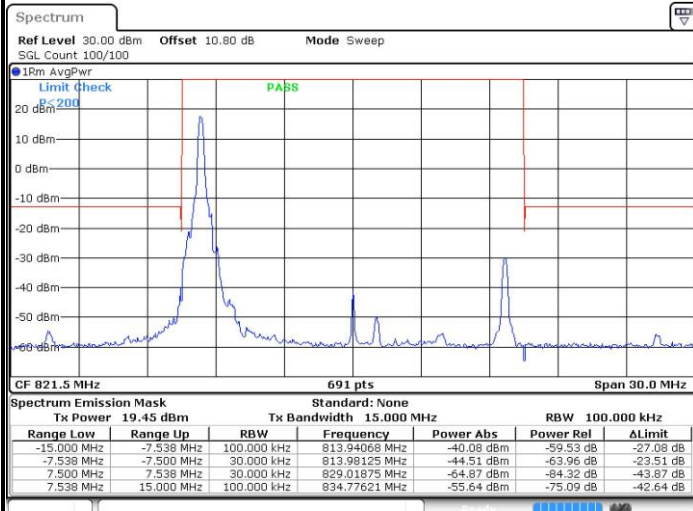


Date: 14.SEP.2018 17:28:44



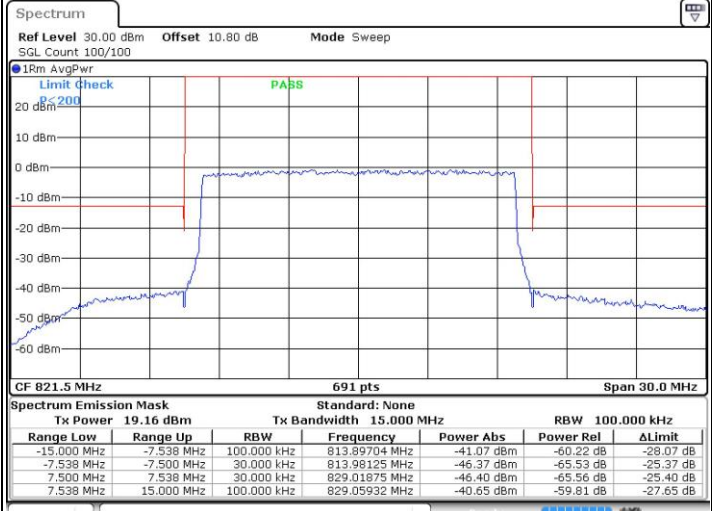
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 14.SEP.2018 17:43:30

Lowest Band Edge / Full RB



Date: 14.SEP.2018 17:45:21



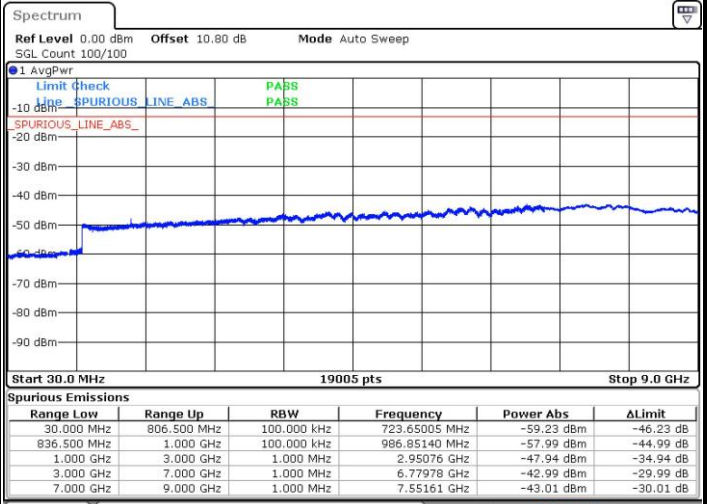
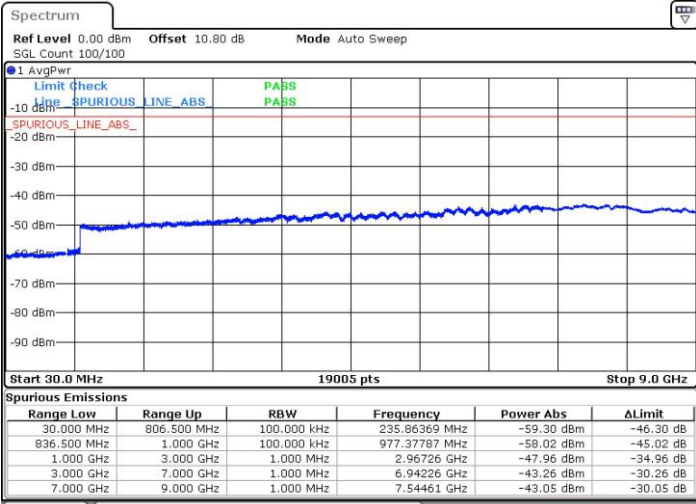
**Conducted Spurious Emission**



LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

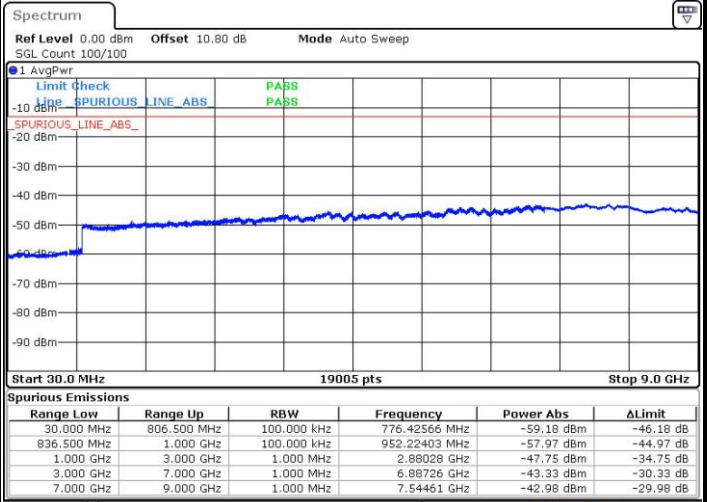
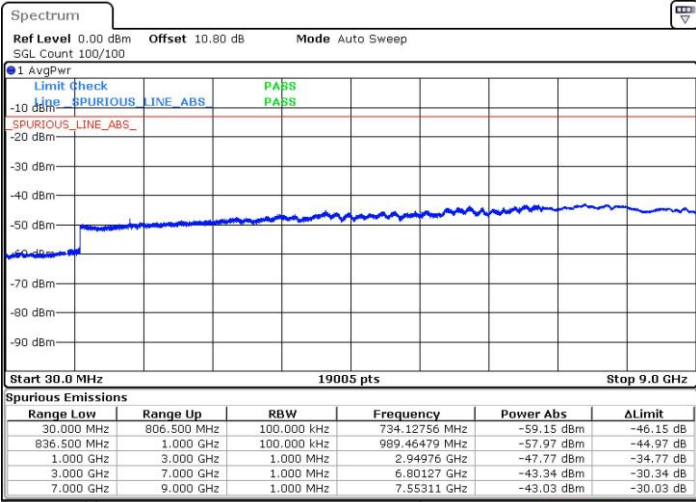


Date: 14.SEP.2018 18:36:38

Date: 14.SEP.2018 18:37:19

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.SEP.2018 18:38:46

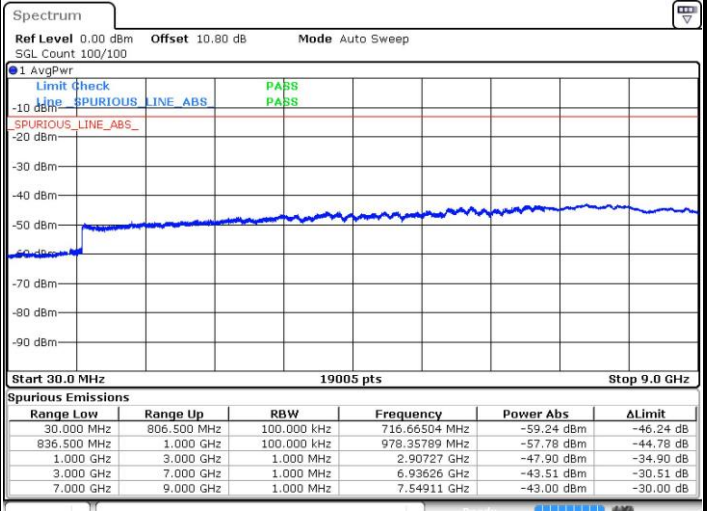
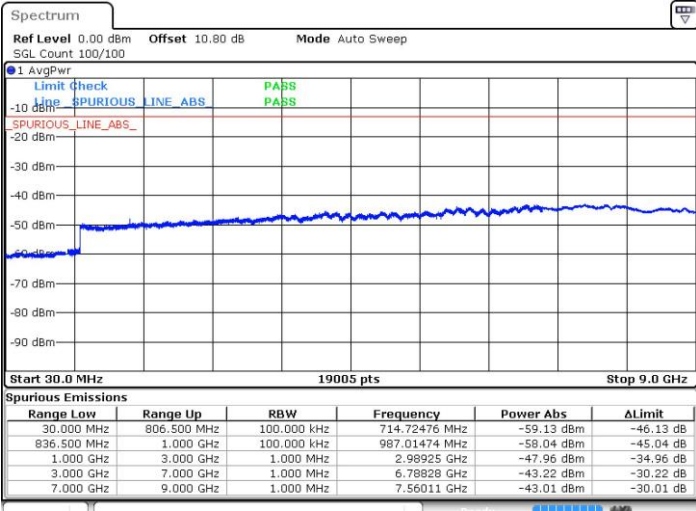
Date: 14.SEP.2018 18:39:28



LTE Band 26 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



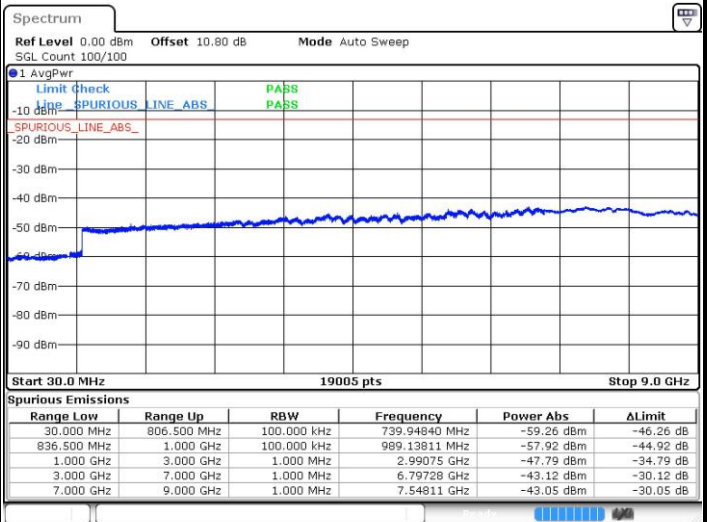
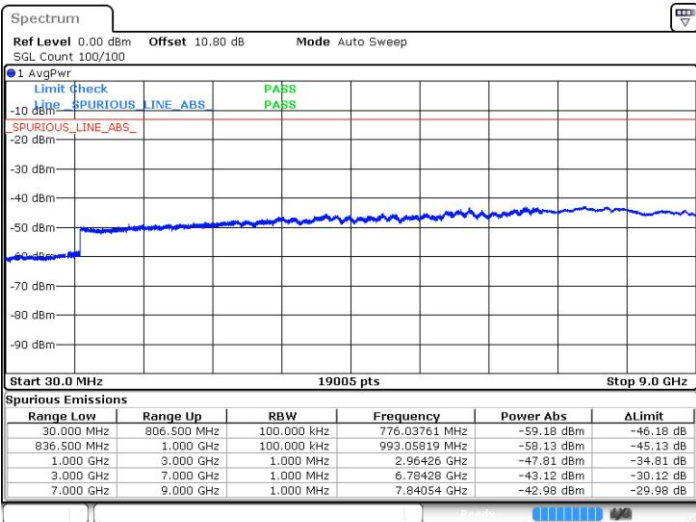
Date: 14.SEP.2018 18:40:55

Date: 14.SEP.2018 18:41:37

LTE Band 26 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 14.SEP.2018 18:16:40

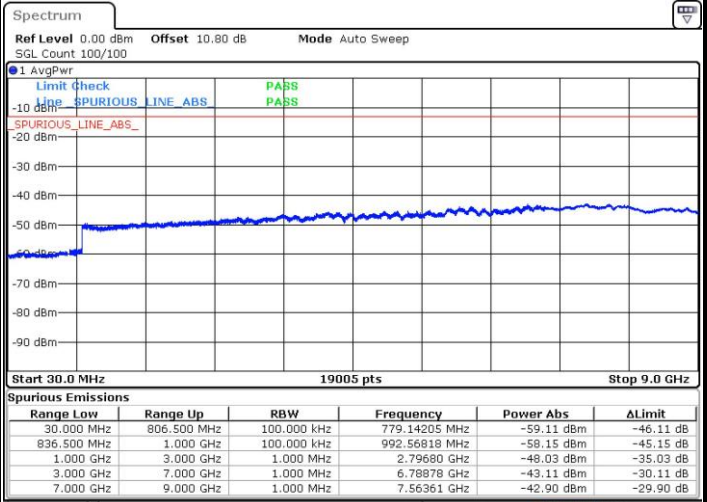
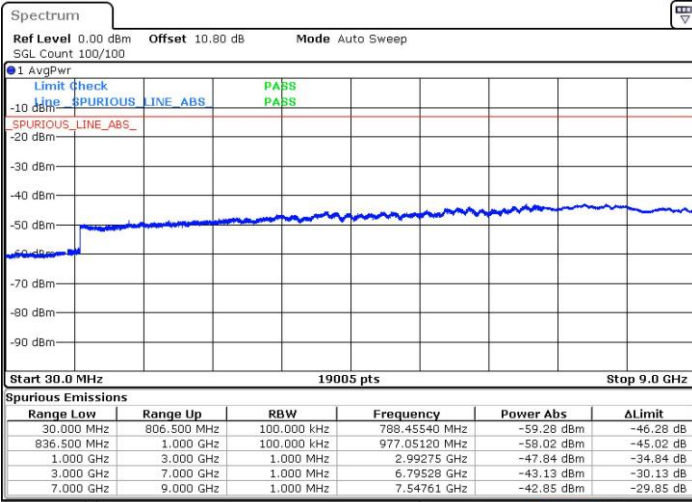
Date: 14.SEP.2018 18:17:22



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

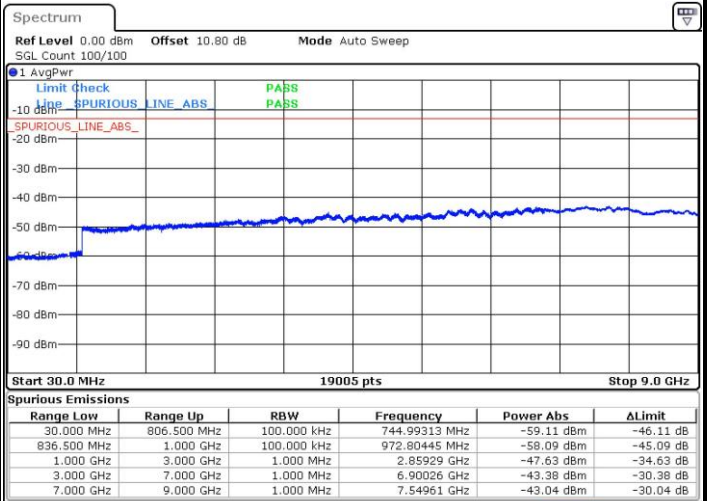
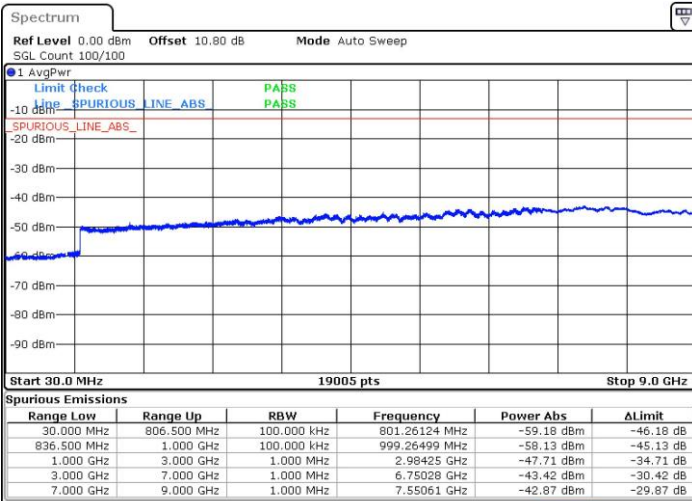


Date: 14.SEP.2018 18:18:49

Date: 14.SEP.2018 18:19:30

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.SEP.2018 18:20:57

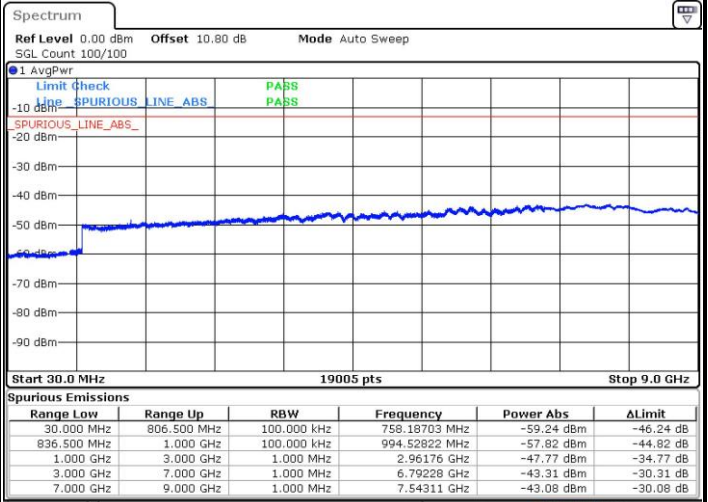
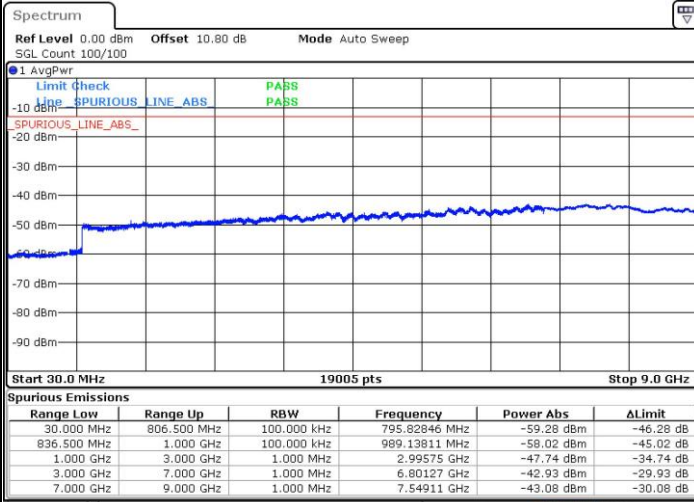
Date: 14.SEP.2018 18:21:39



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

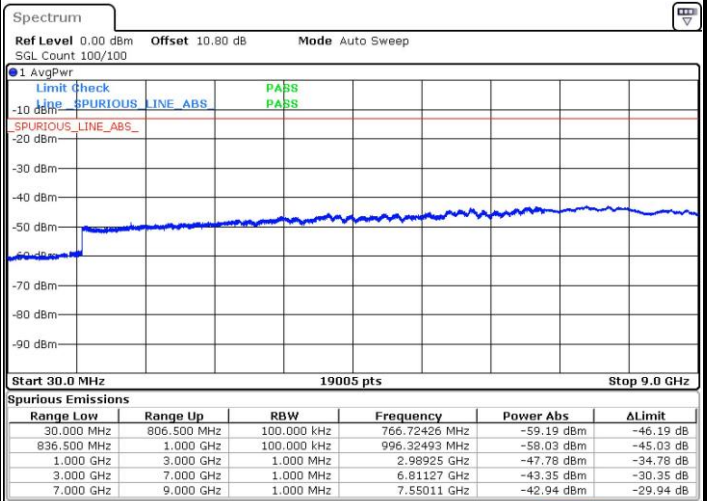
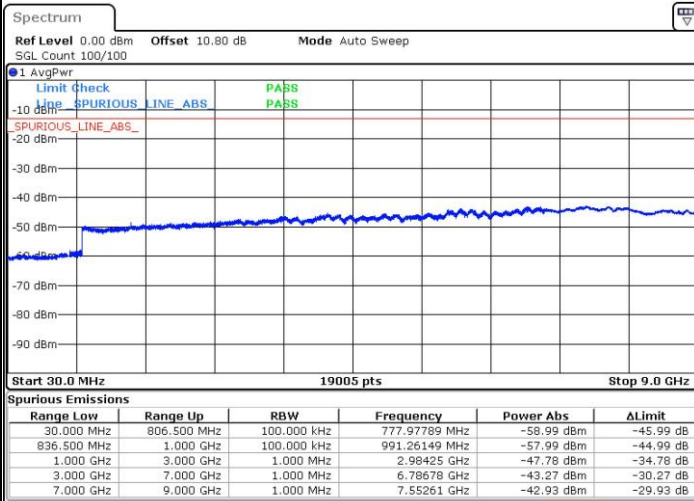


Date: 14.SEP.2018 18:23:06

Date: 14.SEP.2018 18:23:48

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.SEP.2018 18:25:15

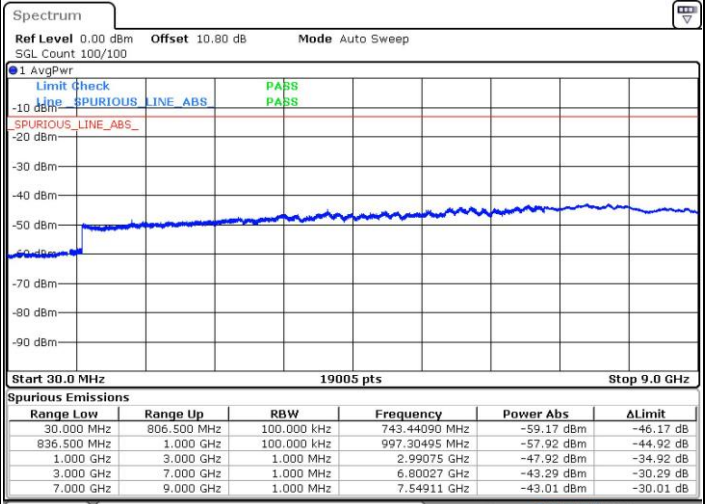
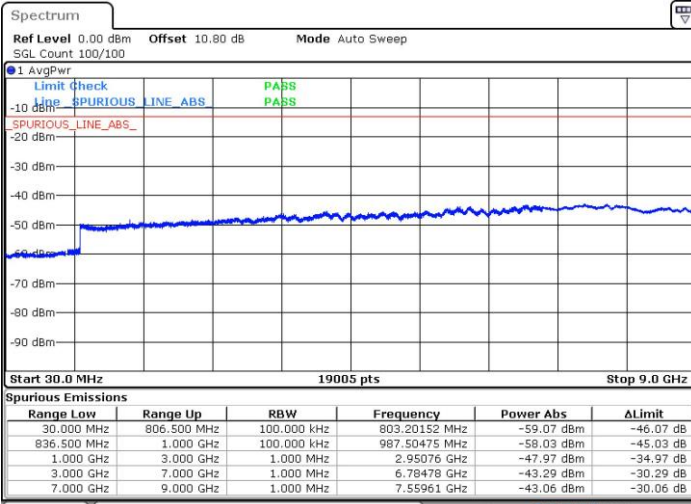
Date: 14.SEP.2018 18:25:57



LTE Band 26 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



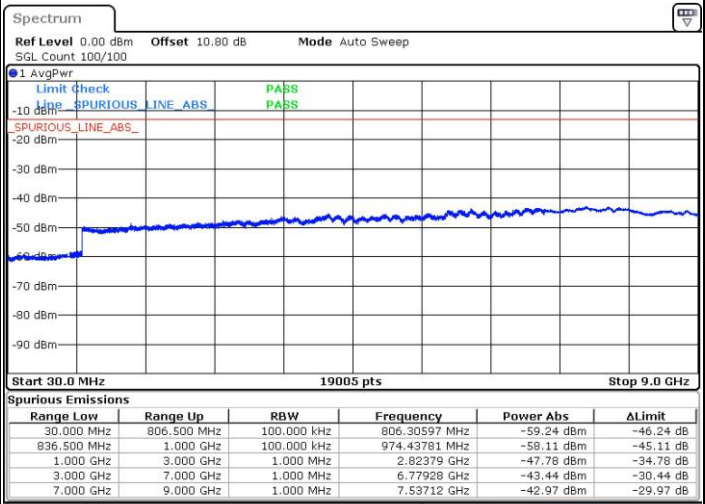
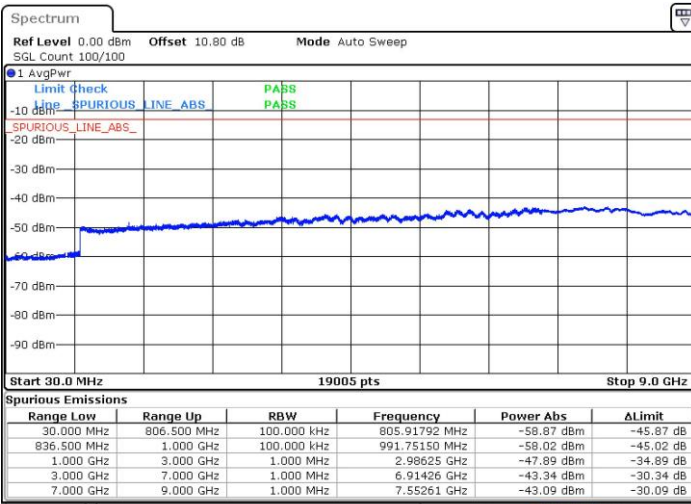
Date: 14.SEP.2018 18:27:24

Date: 14.SEP.2018 18:28:06

LTE Band 26 / 10MHz

Middle Channel / QPSK

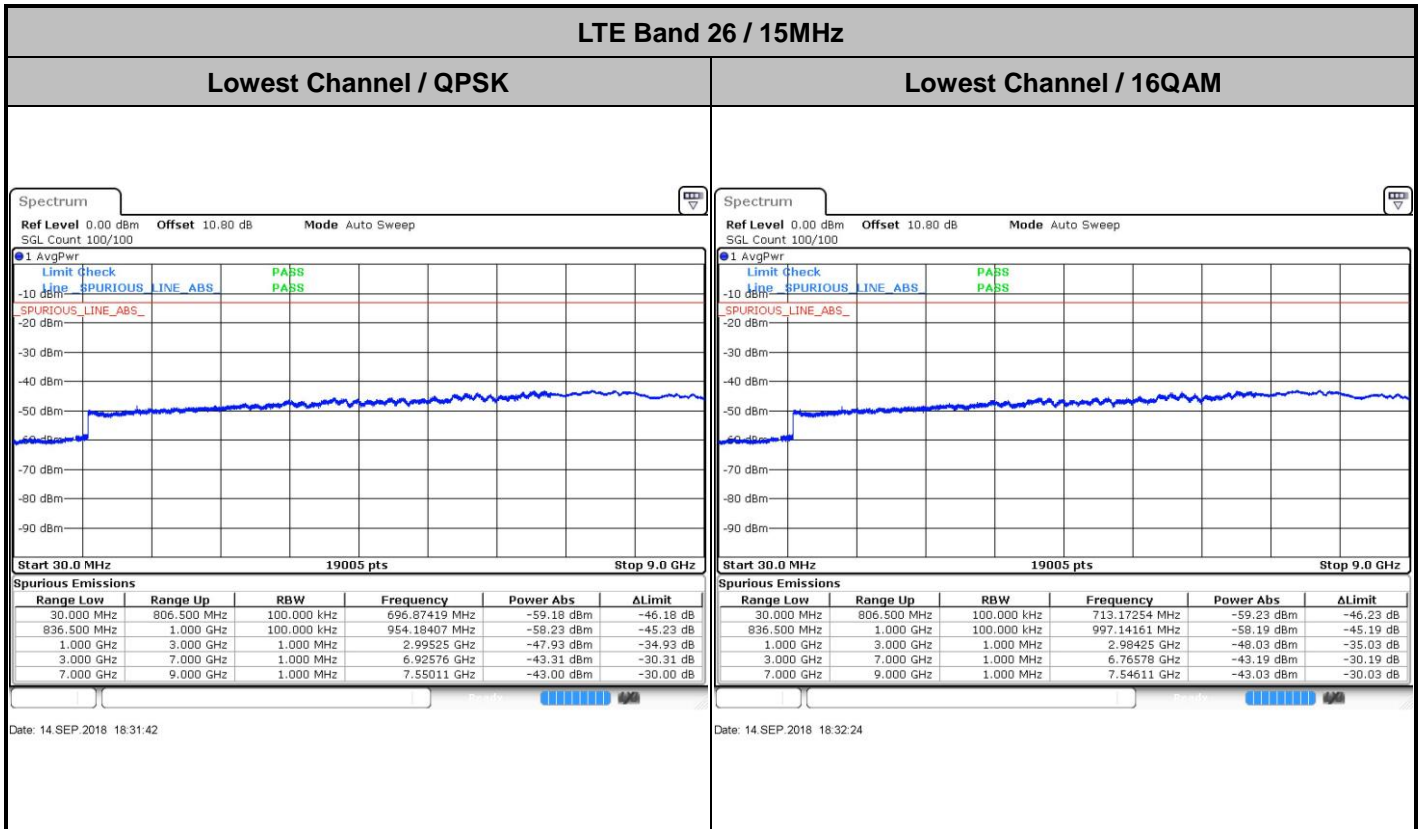
Middle Channel / 16QAM



Date: 14.SEP.2018 18:29:33

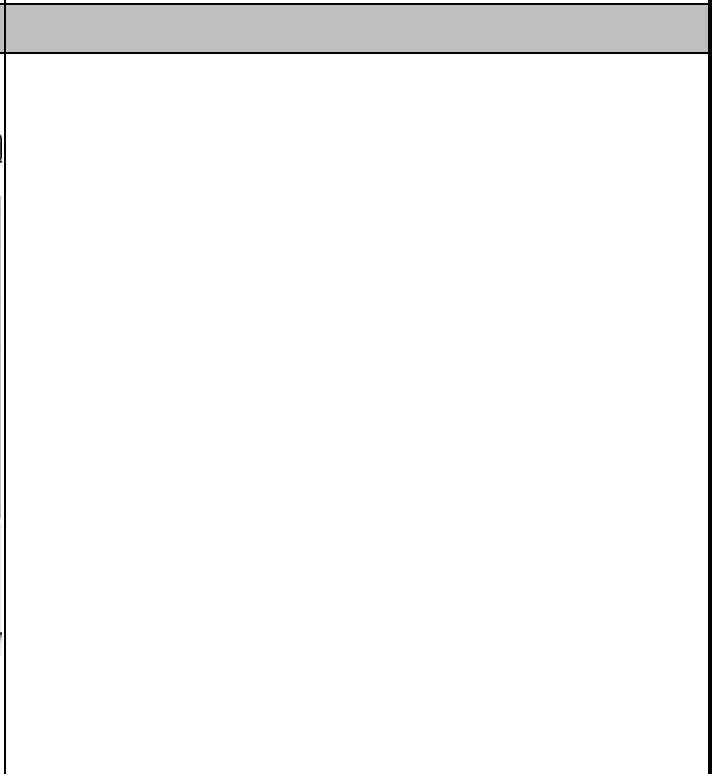
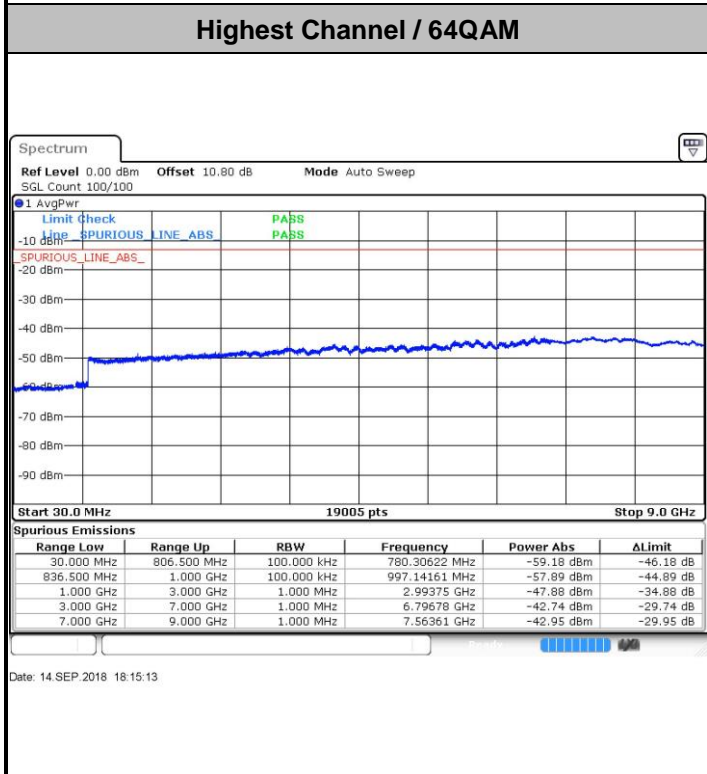
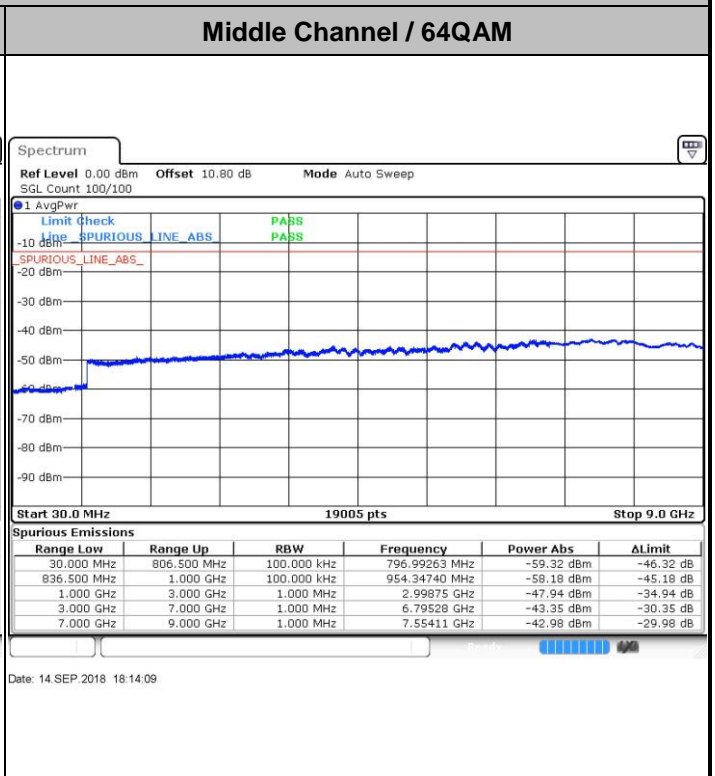
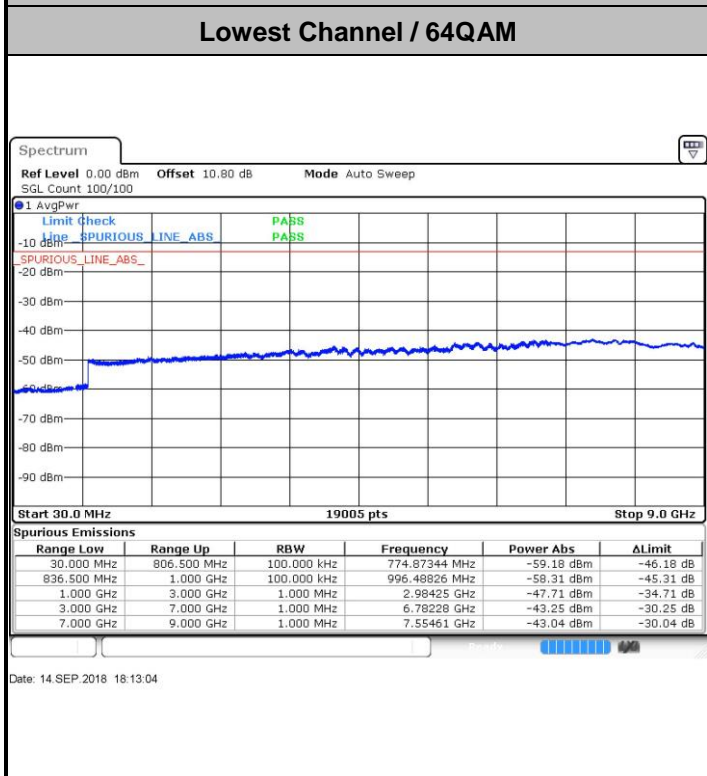
Date: 14.SEP.2018 18:30:15







**LTE Band 26 / 1.4MHz**

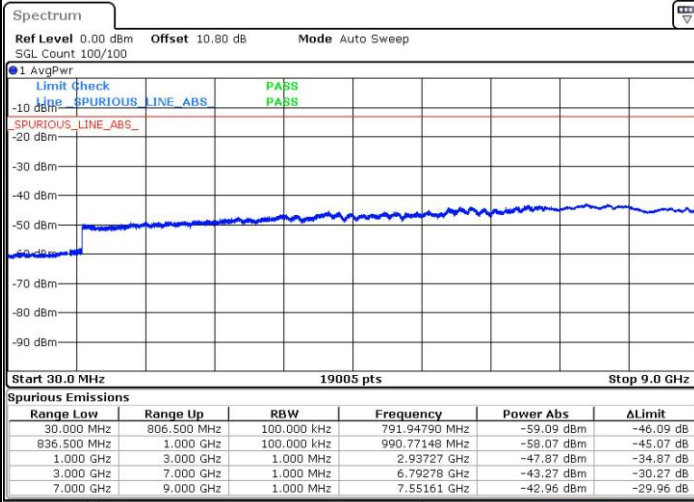




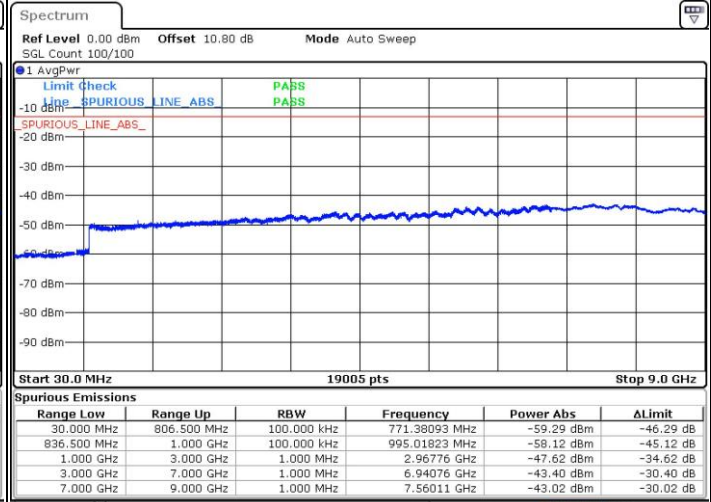
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

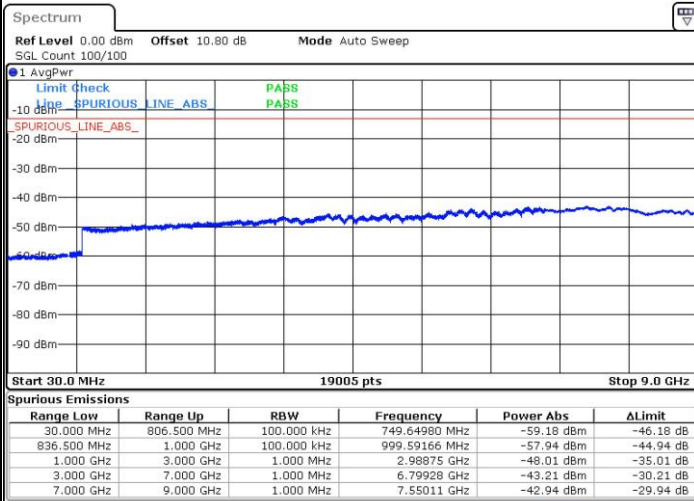


Date: 14.SEP.2018 17:46:26



Date: 14.SEP.2018 17:47:30

Highest Channel / 64QAM



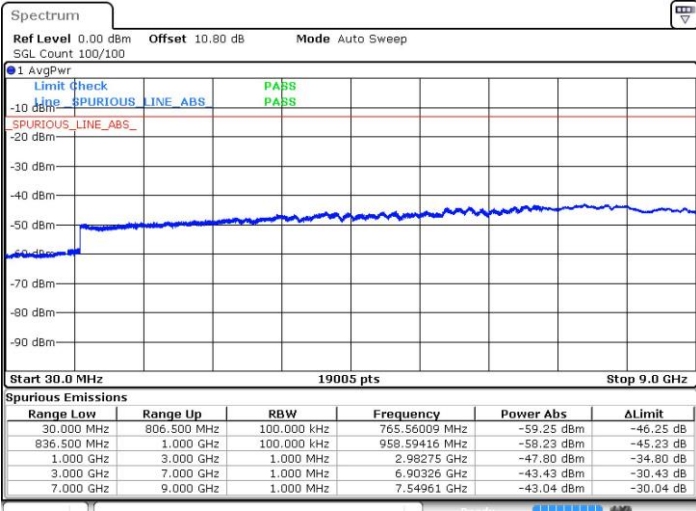
Date: 14.SEP.2018 17:48:34



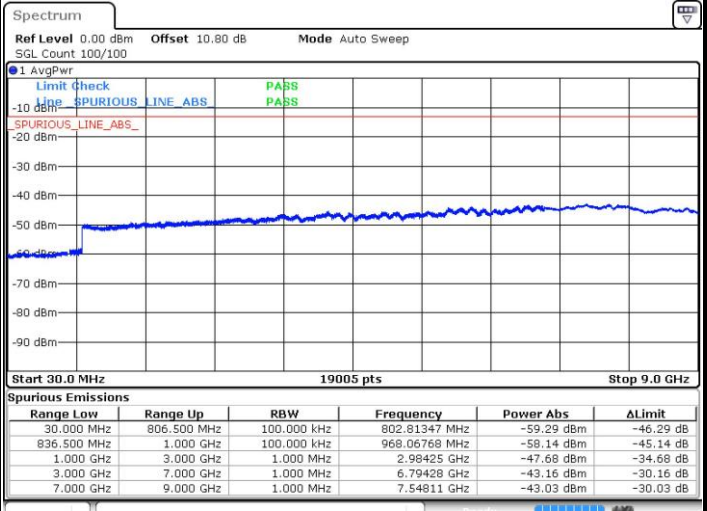
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

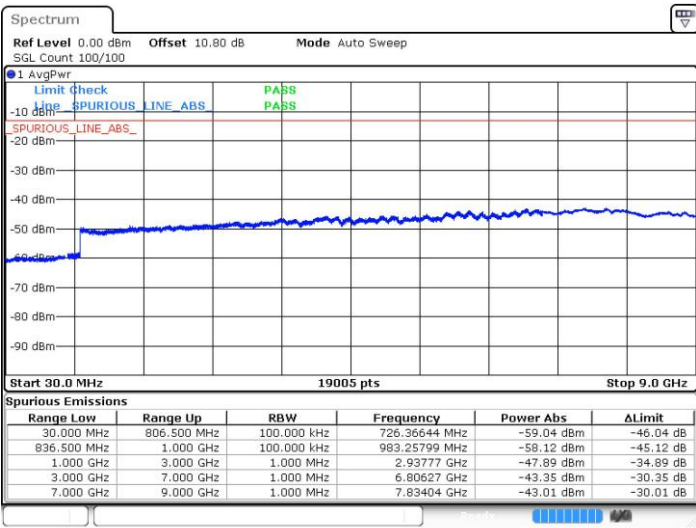


Date: 14.SEP.2018 17:49:39



Date: 14.SEP.2018 17:50:43

Highest Channel / 64QAM



Date: 14.SEP.2018 17:51:47





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	0.0175	PASS
40	Normal Voltage	0.0082	
30	Normal Voltage	0.0066	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0195	
0	Normal Voltage	0.0121	
-10	Normal Voltage	0.0133	
-20	Normal Voltage	0.0050	
-30	Normal Voltage	0.0165	
20	Maximum Voltage	0.0194	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0083	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	0.0113	PASS
40	Normal Voltage	0.0121	
30	Normal Voltage	0.0113	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0072	
-10	Normal Voltage	0.0062	
-20	Normal Voltage	0.0130	
-30	Normal Voltage	0.0105	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0187	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



### Appendix B. Test Results of ERP and Radiated Test

**ERP**

<Reporting Only>

<Main Antenna>

LTE Band 26 / 15MHz (Channel 26765)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.92	0.2466	18.87	0.0771
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	37	22.95	0.1972	17.90	0.0617
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	37	21.88	0.1542	16.83	0.0482
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	





**<For Aux. Antenna>**

LTE Band 26 / 15MHz (Channel 26765)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.77	0.1503	19.17	0.0826
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	37	20.80	0.1202	18.20	0.0661
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	37	19.73	0.0940	17.13	0.0516
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



**Radiated Spurious Emission**

<For Main Antenna>

**Part90S LTE Band 26**

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	1637	-62.65	-13	-49.65	-74.96	-68.00	1.22	8.72	H
	2456	-52.97	-13	-39.97	-68.43	-59.85	1.43	10.46	H
	3274	-59.10	-13	-46.10	-76.27	-66.99	1.68	11.72	H
									H
									H
	1637	-64.74	-13	-51.74	-74.89	-70.09	1.22	8.72	V
	2456	-48.93	-13	-35.93	-63.67	-55.81	1.43	10.46	V
	3274	-59.75	-13	-46.75	-76.44	-67.64	1.68	11.72	V
									V
									V
Middle	1642	-62.76	-13	-49.76	-75.28	-68.13	1.22	8.74	H
	2464	-50.67	-13	-37.67	-66.13	-57.56	1.43	10.47	H
	3288	-59.16	-13	-46.16	-76.3	-67.08	1.70	11.76	H
									H
									H
									H
									H
	1642	-64.70	-13	-51.70	-74.93	-70.07	1.22	8.74	V
	2464	-47.73	-13	-34.73	-62.47	-54.62	1.43	10.47	V
	3288	-59.70	-13	-46.70	-76.39	-67.62	1.70	11.76	V
									V
									V
									V
								V	



Highest	1648	-62.53	-13	-49.53	-75.05	-67.92	1.23	8.76	H
	2472	-51.27	-13	-38.27	-66.6	-58.16	1.44	10.48	H
	3296	-59.35	-13	-46.35	-76.42	-67.29	1.70	11.79	H
									H
									H
									H
									H
	1648	-65.08	-13	-52.08	-75.31	-70.47	1.23	8.76	V
	2472	-50.93	-13	-37.93	-65.65	-57.82	1.44	10.48	V
	3296	-59.76	-13	-46.76	-76.38	-67.70	1.70	11.79	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	1646	-62.76	-13	-49.76	-75.28	-68.14	1.23	8.75	H
	2472	-52.90	-13	-39.90	-68.23	-59.79	1.44	10.48	H
	3293	-59.51	-13	-46.51	-76.58	-67.44	1.70	11.78	H
									H
									H
									H
									H
	1646	-65.02	-13	-52.02	-75.25	-70.40	1.23	8.75	V
	2472	-48.75	-13	-35.75	-63.47	-55.64	1.44	10.48	V
	3293	-59.84	-13	-46.84	-76.46	-67.77	1.70	11.78	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	-62.89	-13	-49.89	-75.2	-68.22	1.22	8.70	H
	2448	-55.93	-13	-42.93	-71.39	-62.81	1.43	10.46	H
	3256	-59.15	-13	-46.15	-76.35	-67.00	1.67	11.67	H
									H
									H
									H
									H
	1632	-64.98	-13	-51.98	-75.13	-70.31	1.22	8.70	V
	2448	-54.13	-13	-41.13	-68.87	-61.01	1.43	10.46	V
	3256	-59.53	-13	-46.53	-76.29	-67.38	1.67	11.67	V
									V
									V
									V
									V

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



<For Aux. Antenna>

**Part90S LTE Band 26**

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	1637	-62.41	-13	-49.41	-74.72	-67.76	1.22	8.72	H
	2456	-60.37	-13	-47.37	-75.83	-67.25	1.43	10.46	H
	3274	-59.37	-13	-46.37	-76.51	-67.26	1.68	11.72	H
									H
									H
	1637	-64.90	-13	-51.90	-75.05	-70.25	1.22	8.72	V
	2456	-60.99	-13	-47.99	-75.73	-67.87	1.43	10.46	V
	3274	-59.58	-13	-46.58	-76.27	-67.47	1.68	11.72	V
									V
									V
Middle	1642	-62.79	-13	-49.79	-75.31	-68.16	1.22	8.74	H
	2464	-60.57	-13	-47.57	-76.03	-67.46	1.43	10.47	H
	3288	-58.97	-13	-45.97	-76.11	-66.89	1.70	11.76	H
									H
									H
	1642	-64.47	-13	-51.47	-74.7	-69.84	1.22	8.74	V
	2464	-61.06	-13	-48.06	-75.8	-67.95	1.43	10.47	V
	3288	-59.32	-13	-46.32	-76.01	-67.24	1.70	11.76	V
									V
									V



Highest	1648	-62.70	-13	-49.70	-75.22	-68.09	1.23	8.76	H
	2472	-60.33	-13	-47.33	-75.66	-67.22	1.44	10.48	H
	3296	-59.20	-13	-46.20	-76.27	-67.14	1.70	11.79	H
									H
									H
									H
									H
	1648	-65.32	-13	-52.32	-75.55	-70.71	1.23	8.76	V
	2472	-61.19	-13	-48.19	-75.91	-68.08	1.44	10.48	V
	3296	-59.76	-13	-46.76	-76.38	-67.70	1.70	11.79	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	1648	-62.74	-13	-49.74	-75.26	-68.13	1.23	8.76	H
	2497	-60.60	-13	-47.60	-75.81	-67.51	1.44	10.50	H
	3303	-59.32	-13	-46.32	-76.39	-67.27	1.71	11.81	H
									H
									H
									H
									H
	1648	-65.02	-13	-52.02	-75.25	-70.41	1.23	8.76	V
	2497	-61.09	-13	-48.09	-75.79	-68.00	1.44	10.50	V
	3303	-59.97	-13	-46.97	-76.59	-67.92	1.71	11.81	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	1628	-62.82	-13	-49.82	-75.13	-68.14	1.22	8.69	H
	2442	-60.22	-13	-47.22	-75.82	-67.09	1.43	10.45	H
	3256	-59.04	-13	-46.04	-76.24	-66.89	1.67	11.67	H
									H
									H
									H
									H
	1628	-65.18	-13	-52.18	-75.33	-70.50	1.22	8.69	V
	2442	-60.79	-13	-47.79	-75.56	-67.66	1.43	10.45	V
	3256	-59.63	-13	-46.63	-76.39	-67.48	1.67	11.67	V
									V
									V
									V
									V

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