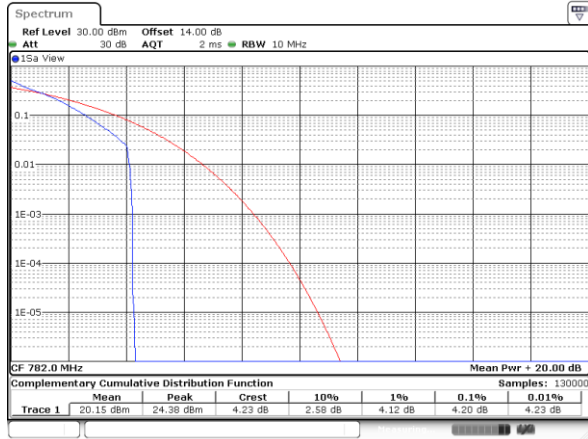


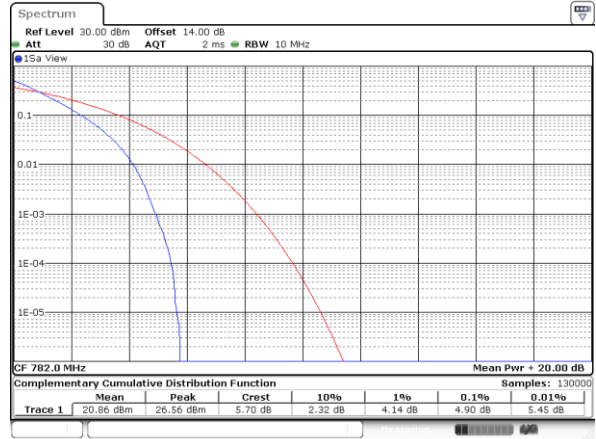


LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB

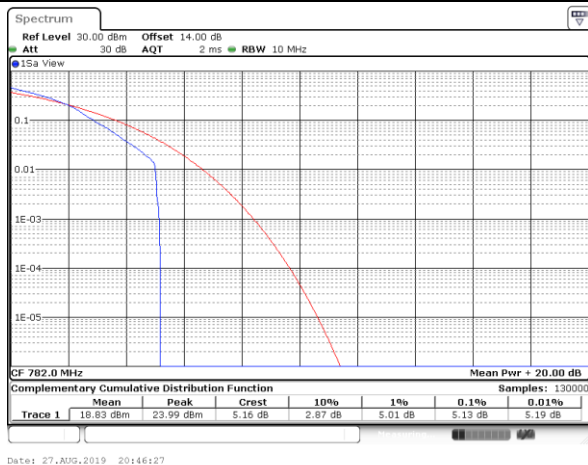


Middle Channel / Full RB

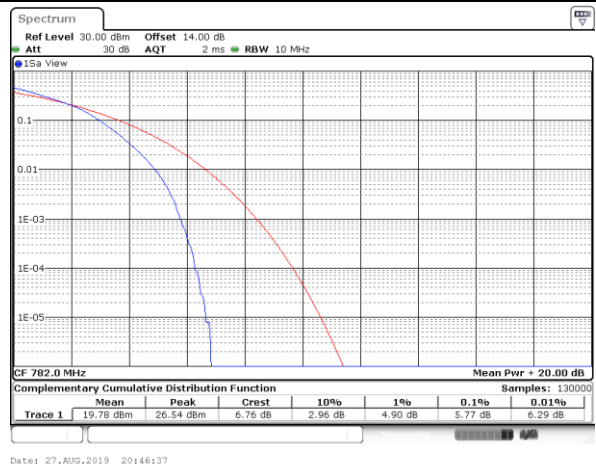


LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Middle Channel / Full RB





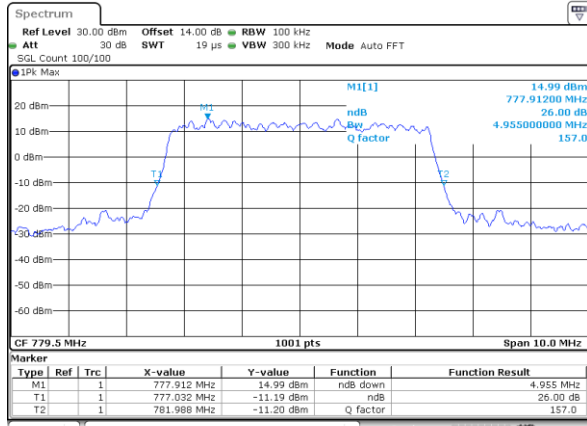
26dB Bandwidth

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.955	4.905	-	-	-	-	-	-
Middle CH	-	-	-	-	5.025	4.885	9.81	9.81	-	-	-	-
Highest CH	-	-	-	-	4.905	4.845	-	-	-	-	-	-



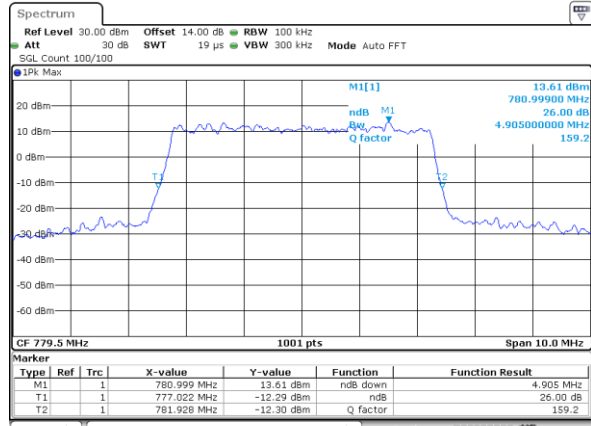
LTE Band 13

Lowest Channel / 5MHz / QPSK



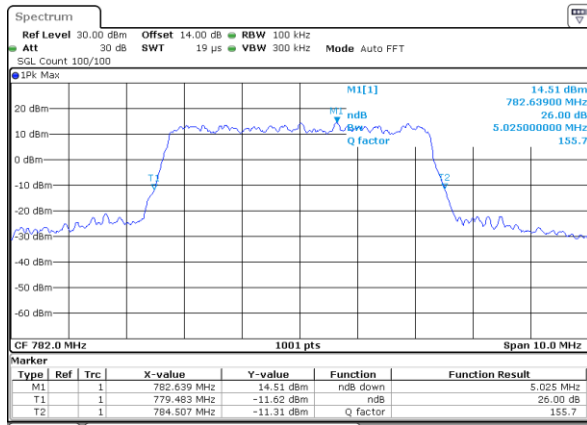
Date: 27.AUG.2019 20:13:30

Lowest Channel / 5MHz / 16QAM



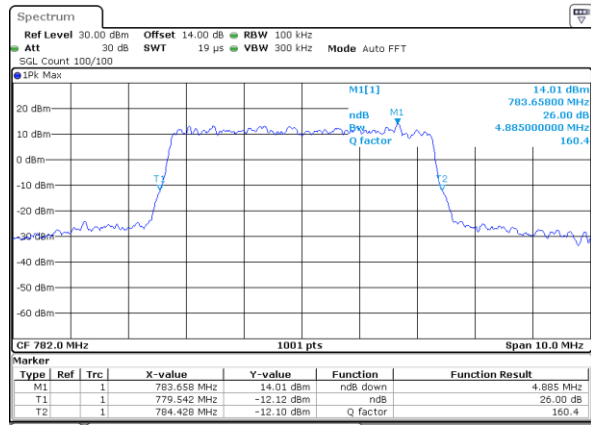
Date: 27.AUG.2019 20:13:48

Middle Channel / 5MHz / QPSK



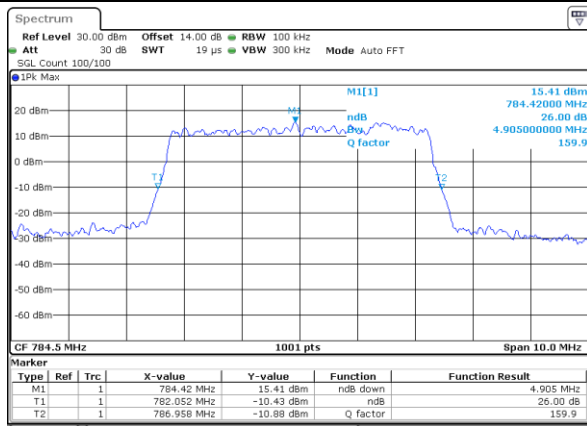
Date: 27.AUG.2019 20:22:45

Middle Channel / 5MHz / 16QAM



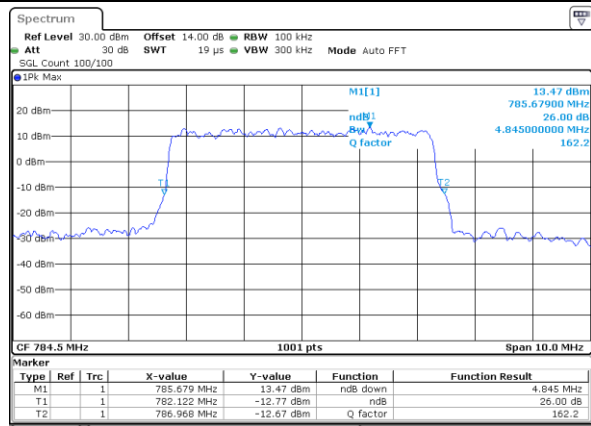
Date: 27.AUG.2019 20:22:55

Highest Channel / 5MHz / QPSK



Date: 27.AUG.2019 20:25:15

Highest Channel / 5MHz / 16QAM

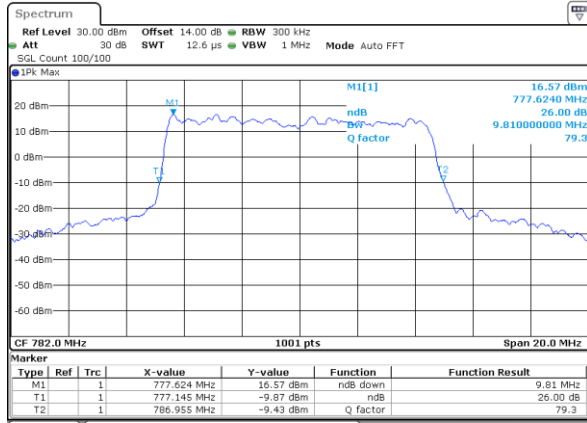


Date: 27.AUG.2019 20:25:25



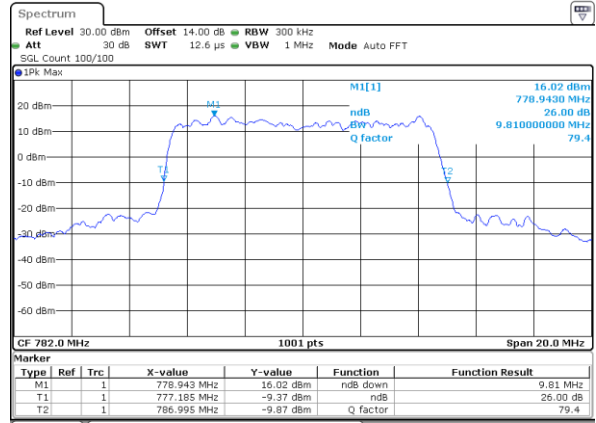
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 27.AUG.2019 20:34:22

Middle Channel / 10MHz / 16QAM



Date: 27.AUG.2019 20:34:32



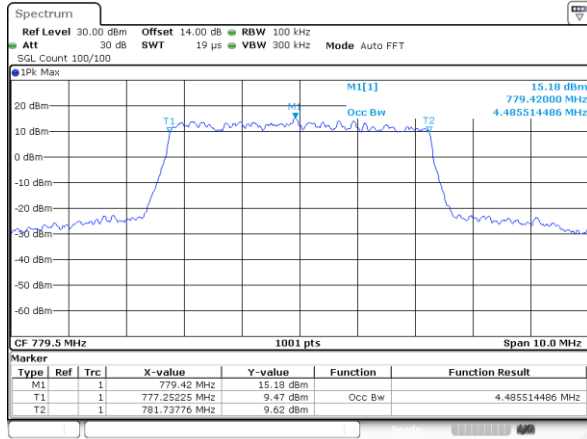
Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.5	9.03	9.03	-	-	-	-
Highest CH	-	-	-	-	4.5	4.49	-	-	-	-	-	-

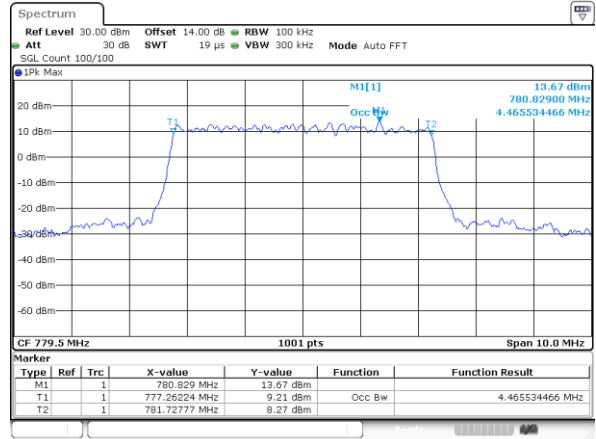


LTE Band 13

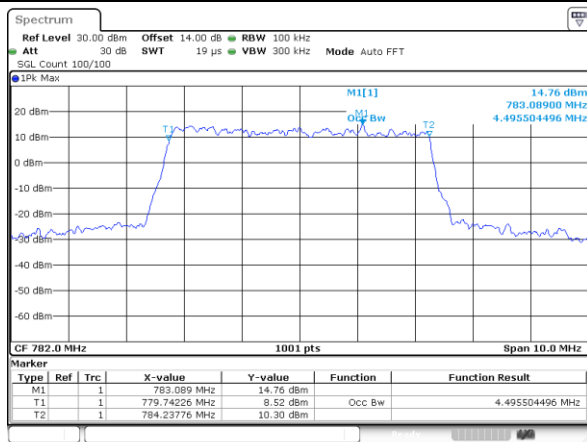
Lowest Channel / 5MHz / QPSK



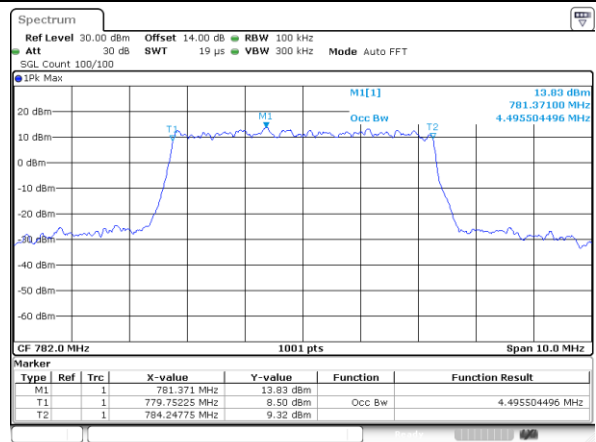
Lowest Channel / 5MHz / 16QAM



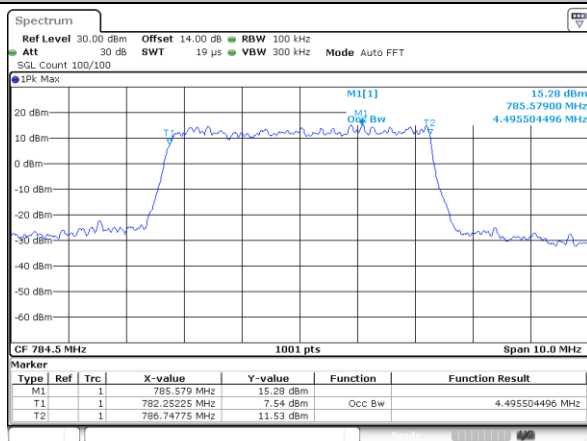
Middle Channel / 5MHz / QPSK



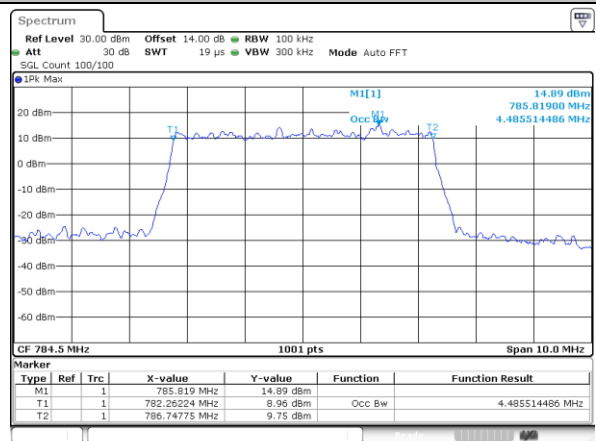
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



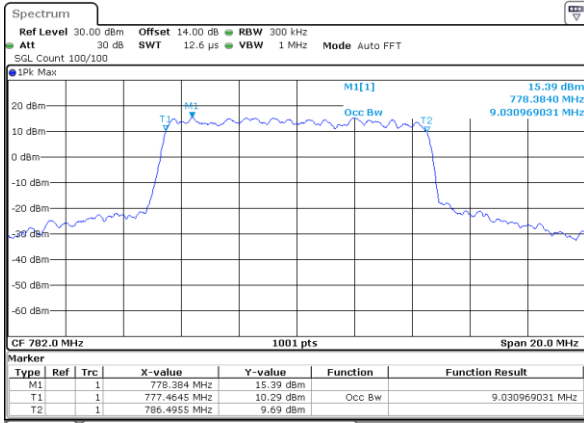
Highest Channel / 5MHz / 16QAM





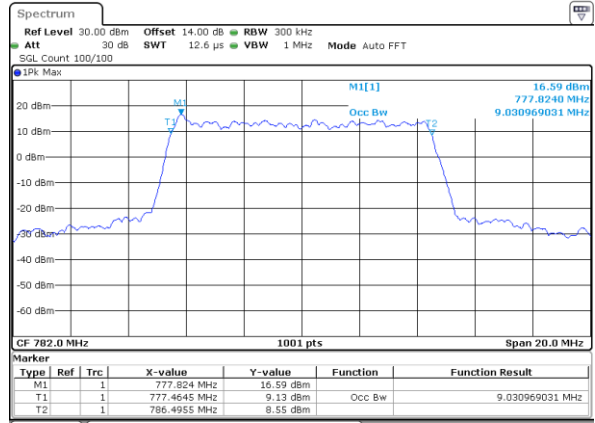
LTE Band 13

Middle Channel / 10MHz / QPSK

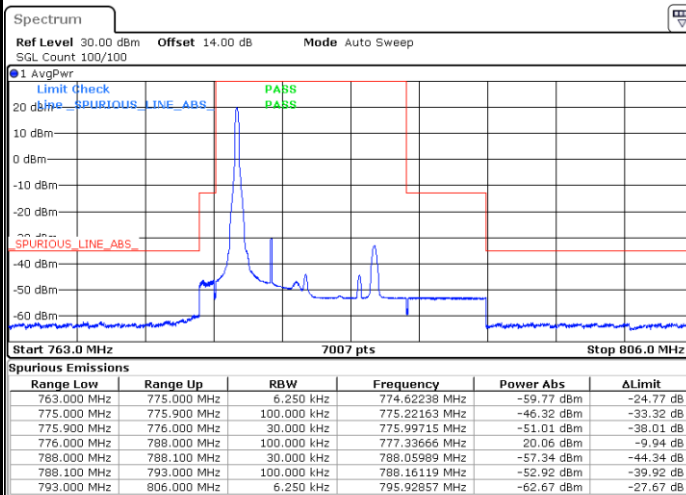


Date: 27.AUG.2019 20:34:01

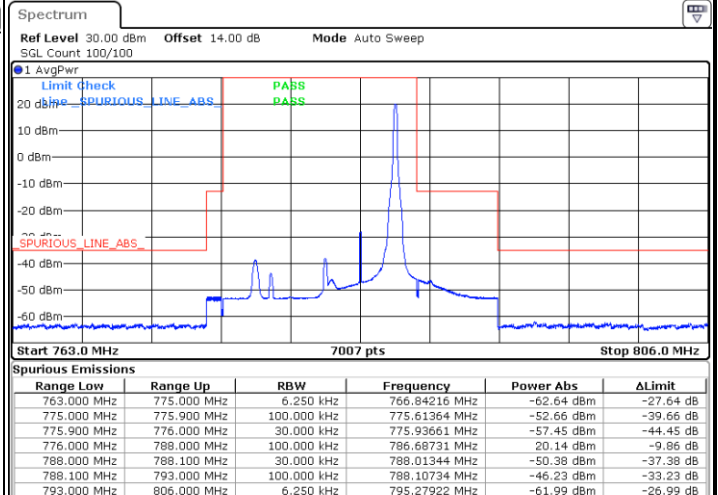
Middle Channel / 10MHz / 16QAM



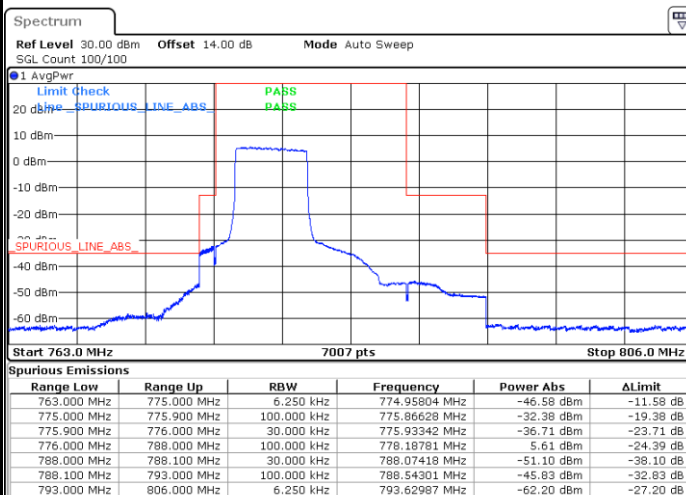
Date: 27.AUG.2019 20:34:12

**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

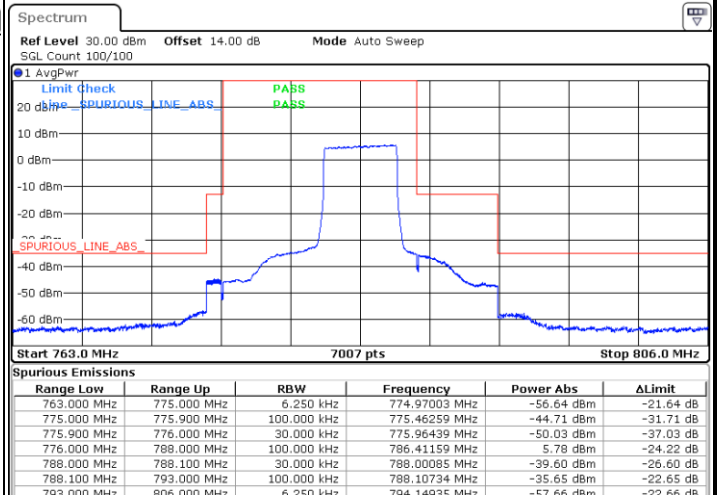
Date: 27.AUG.2019 20:15:26

Highest Band Edge / 1 RB

Date: 27.AUG.2019 20:27:03

Lowest Band Edge / Full RB

Date: 27.AUG.2019 20:18:45

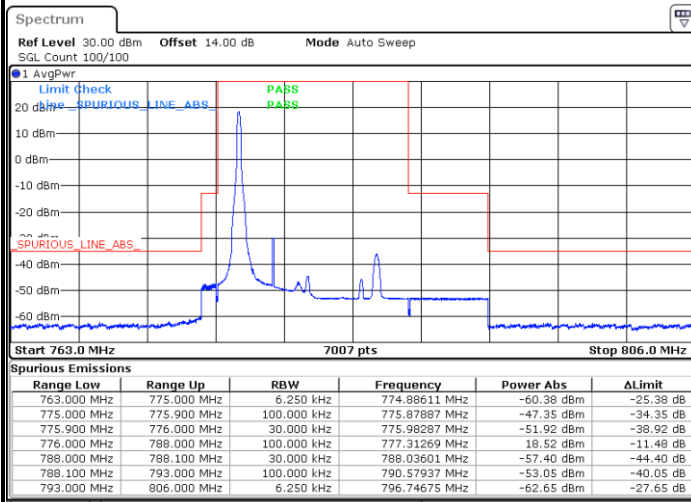
Highest Band Edge / Full RB

Date: 27.AUG.2019 20:30:21



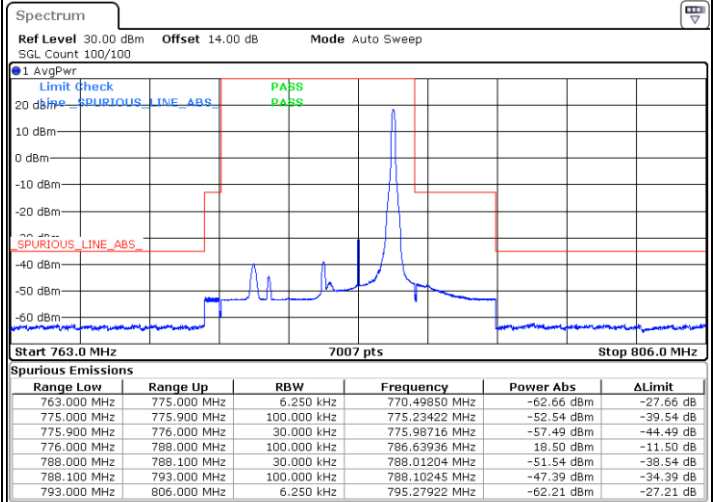
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



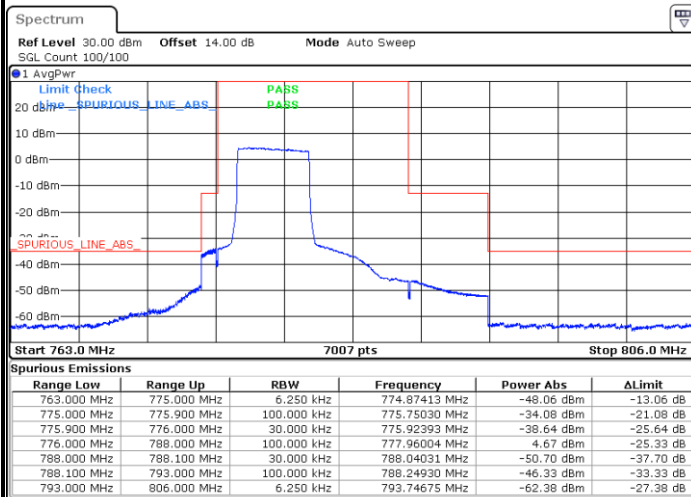
Date: 27.AUG.2019 20:17:05

Highest Band Edge / 1 RB



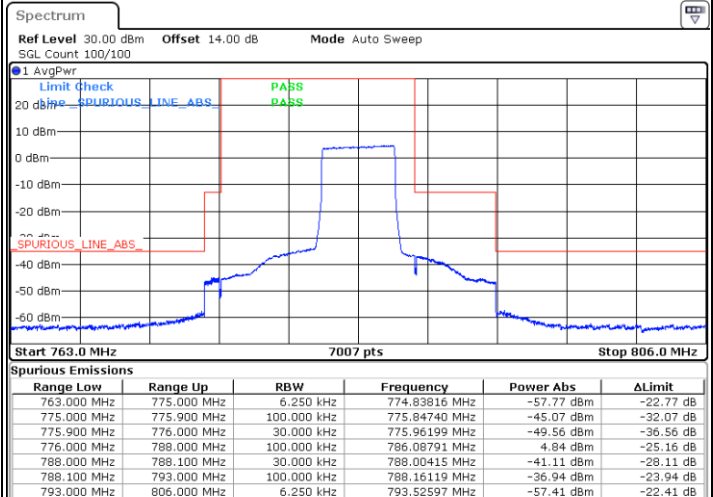
Date: 27.AUG.2019 20:28:42

Lowest Band Edge / Full RB



Date: 27.AUG.2019 20:20:24

Highest Band Edge / Full RB

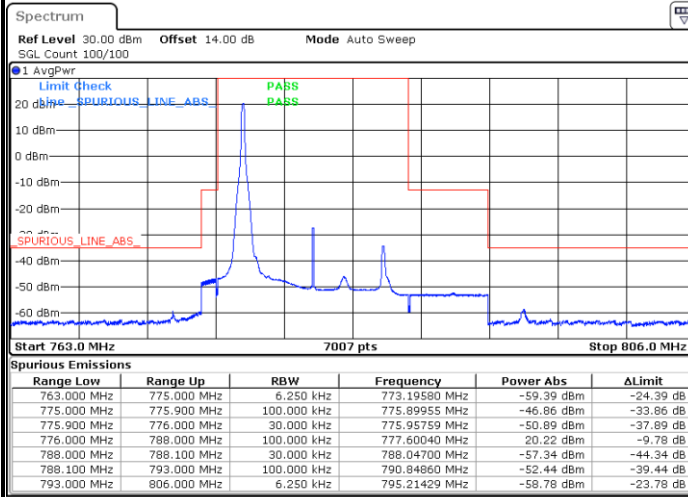


Date: 27.AUG.2019 20:32:01



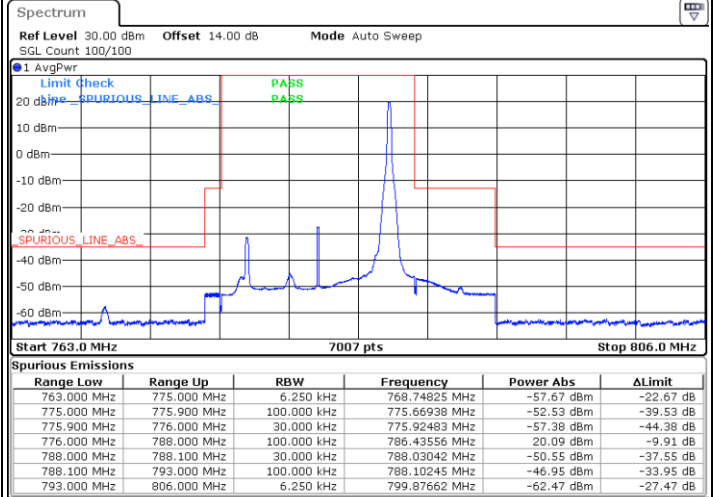
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



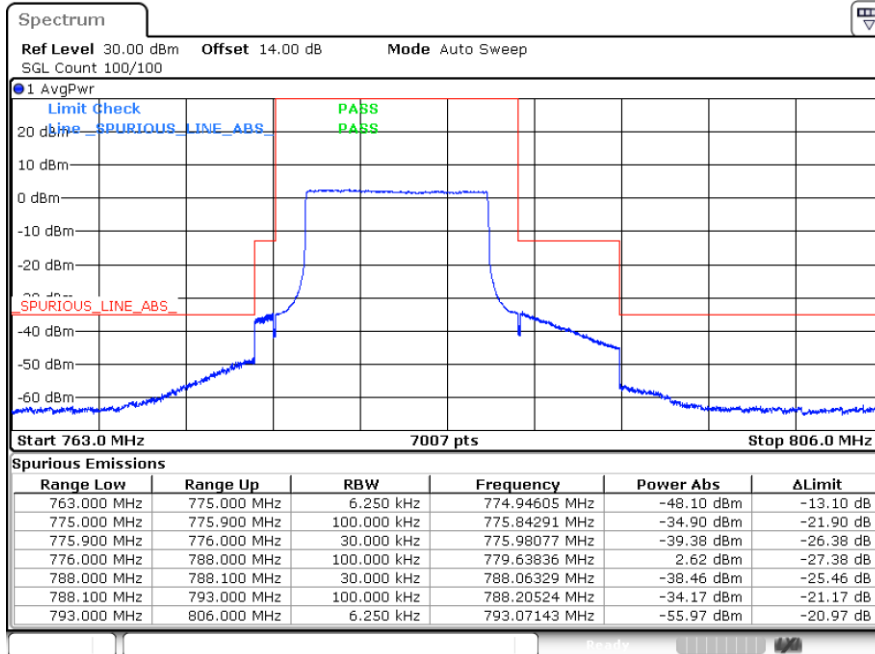
Date: 27.AUG.2019 20:36:10

Highest Band Edge / 1 RB



Date: 27.AUG.2019 20:42:46

Band Edge / Full RB

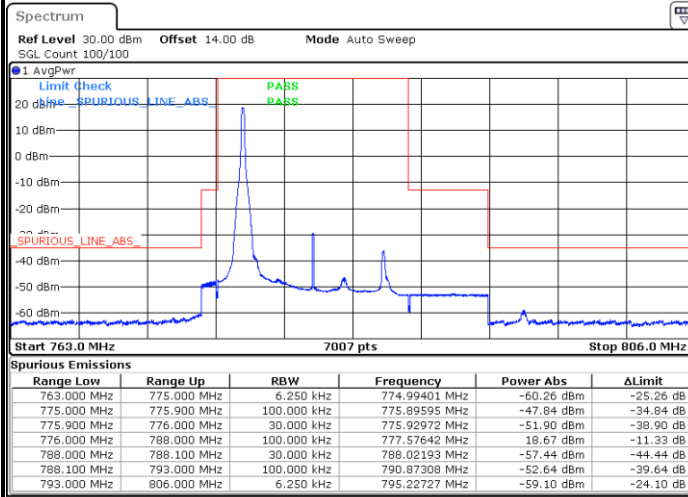


Date: 27.AUG.2019 20:39:28



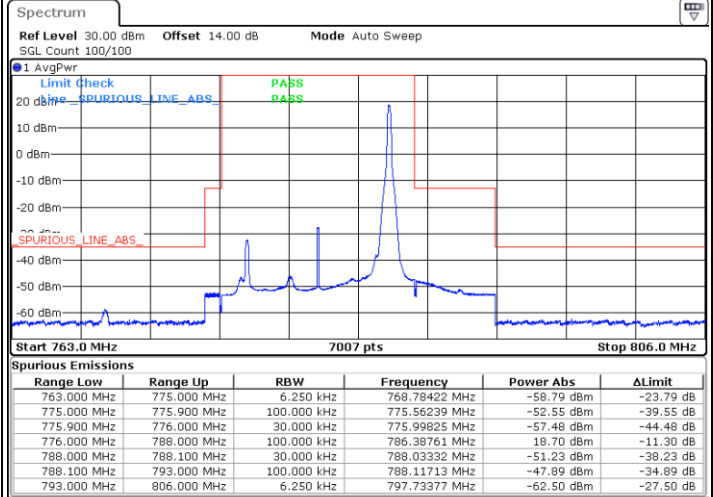
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



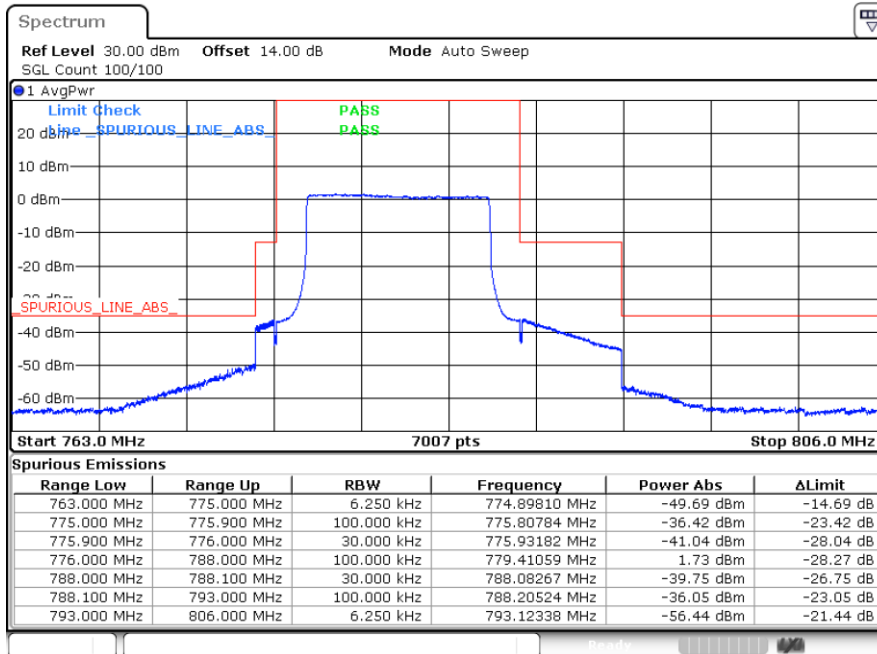
Date: 27.AUG.2019 20:37:49

Highest Band Edge / 1 RB



Date: 27.AUG.2019 20:44:24

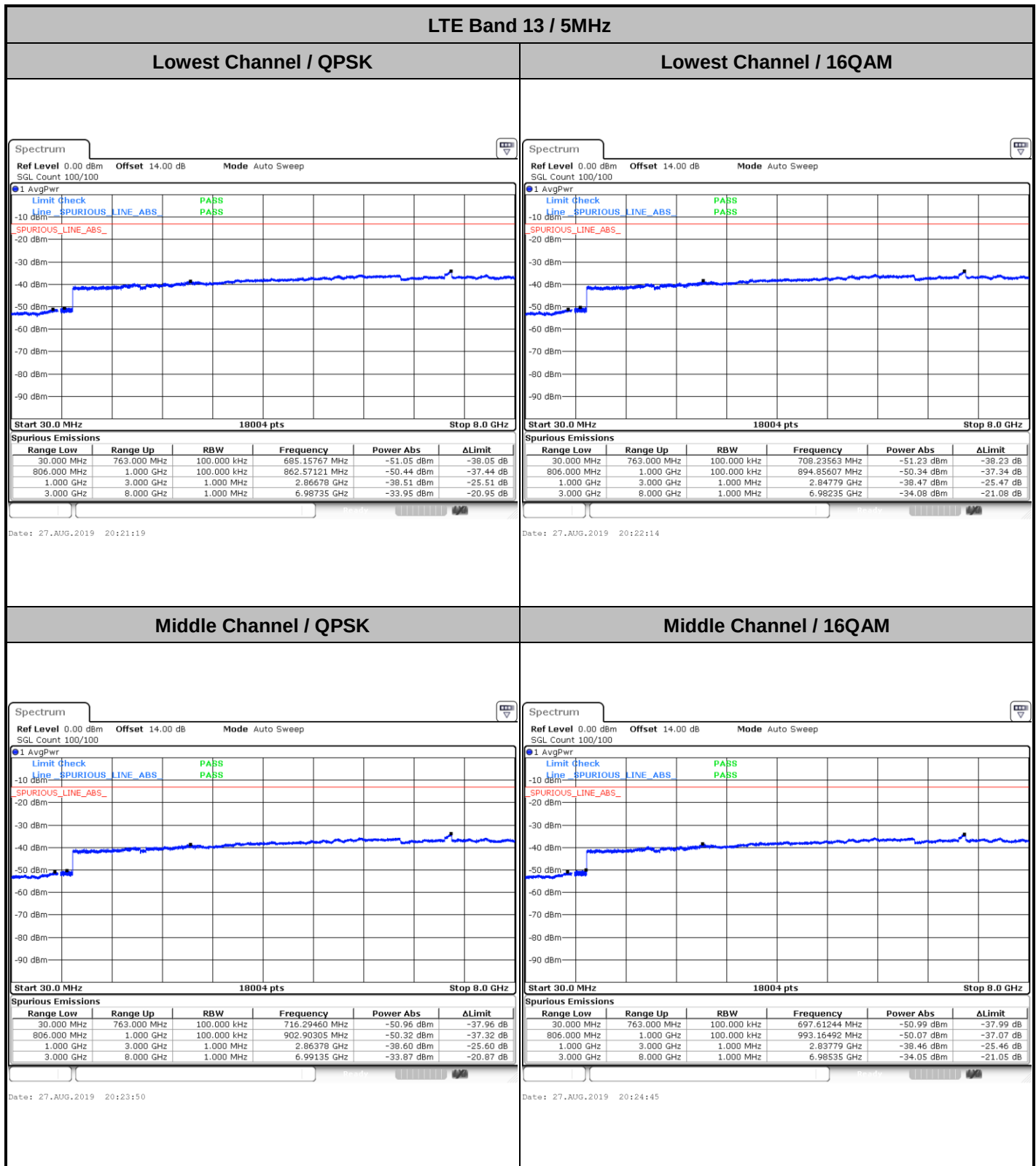
Band Edge / Full RB



Date: 27.AUG.2019 20:41:07



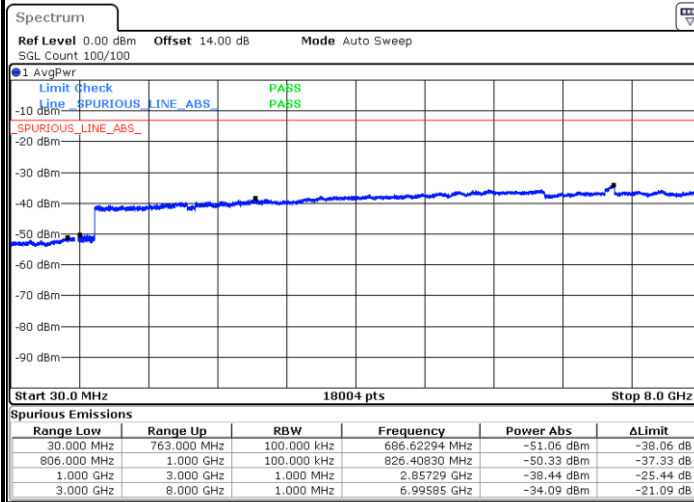
Conducted Spurious Emission





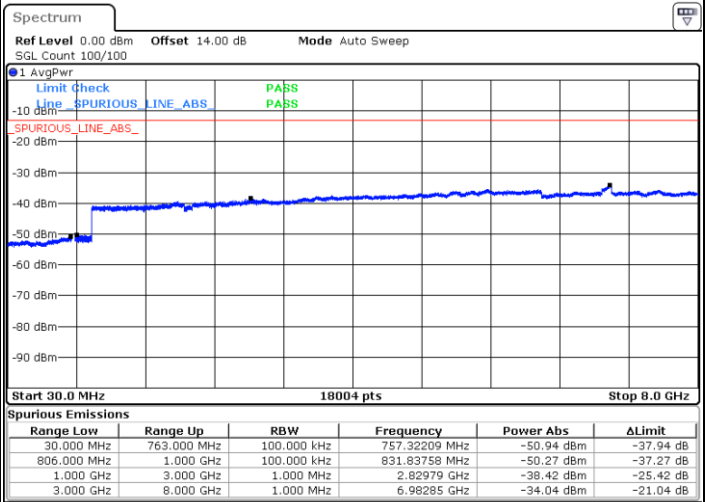
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 27.AUG.2019 20:32:56

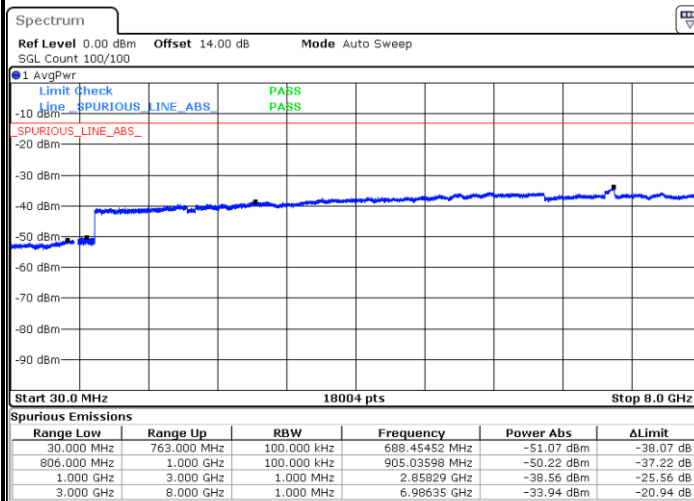
Highest Channel / 16QAM



Date: 27.AUG.2019 20:33:51

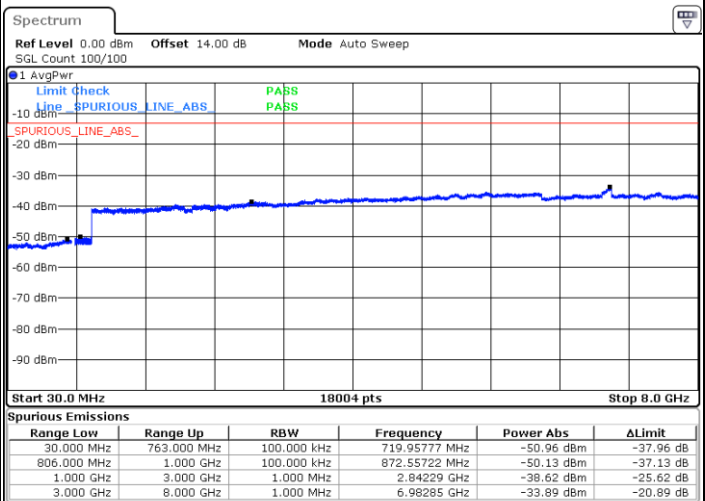
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 27.AUG.2019 20:45:20

Middle Channel / 16QAM



Date: 27.AUG.2019 20:46:15

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0033	

Note:

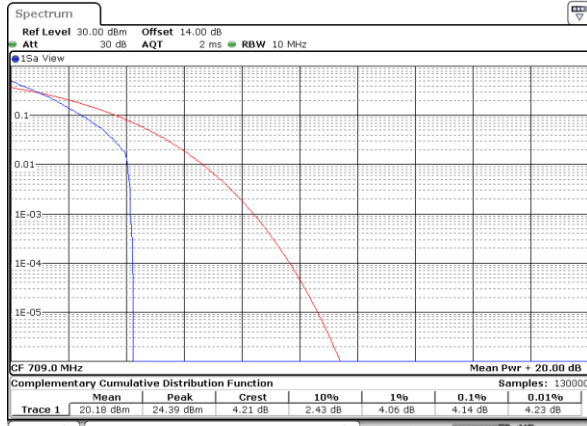
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



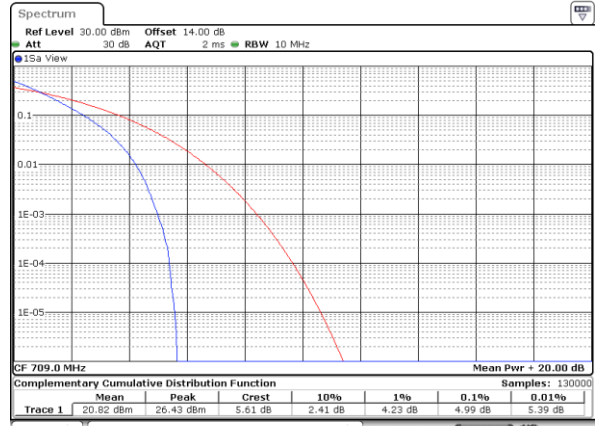
LTE Band 17

Peak-to-Average Ratio

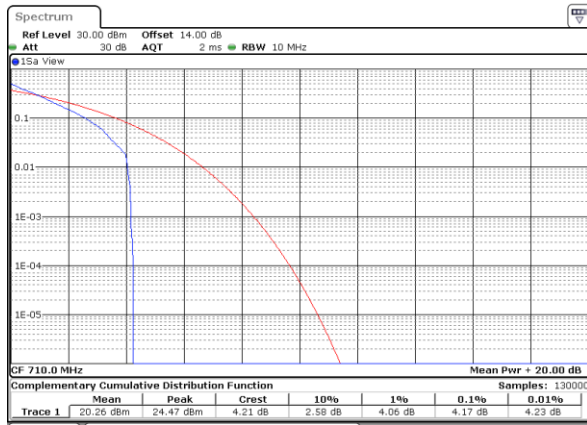
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.14	4.99	4.99	5.8	PASS
Middle CH	4.17	4.9	5.22	5.88	
Highest CH	4.29	4.81	5.3	5.86	

LTE Band 17 / 10MHz / QPSK
Lowest Channel / 1RB


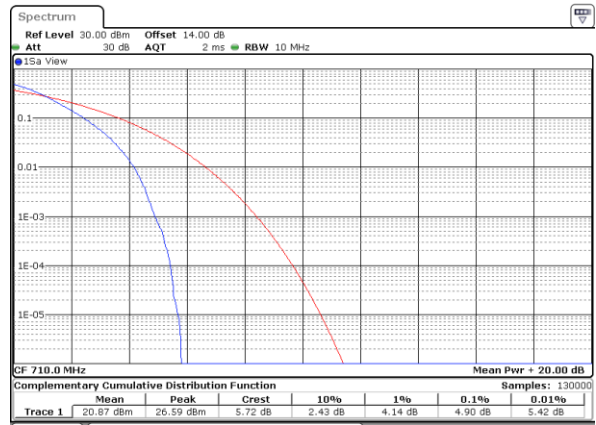
Date: 27.AUG.2019 21:50:54

Lowest Channel / Full RB


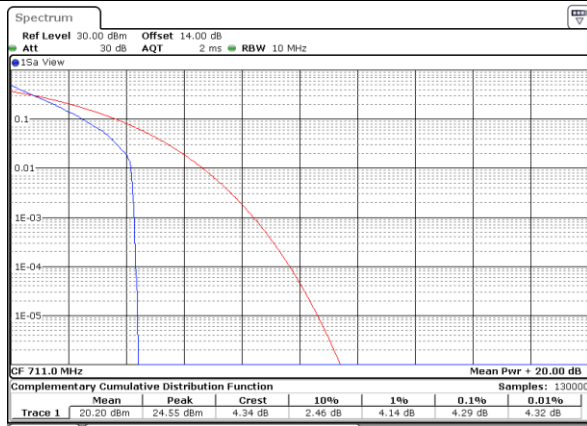
Date: 27.AUG.2019 21:50:32

Middle Channel/ 1RB


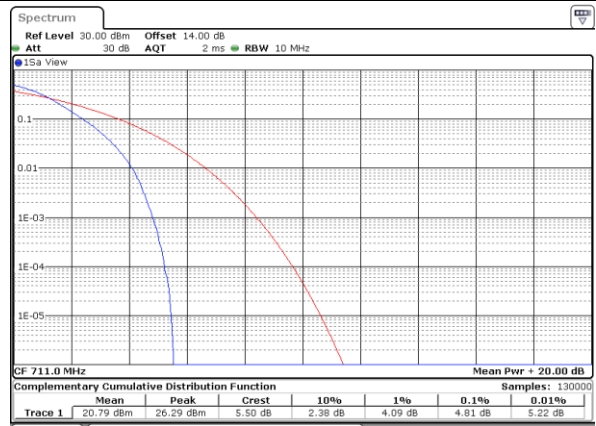
Date: 27.AUG.2019 21:51:13

Middle Channel / Full RB


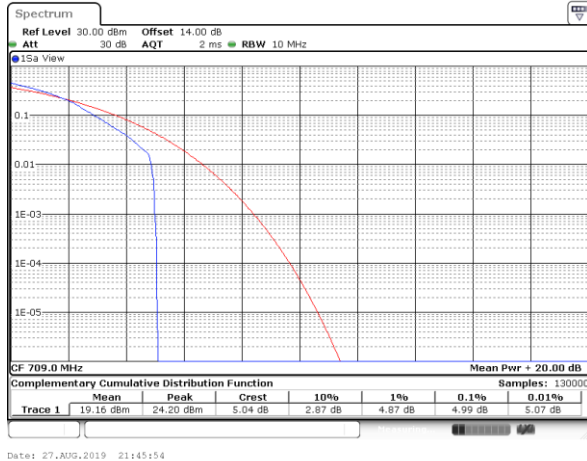
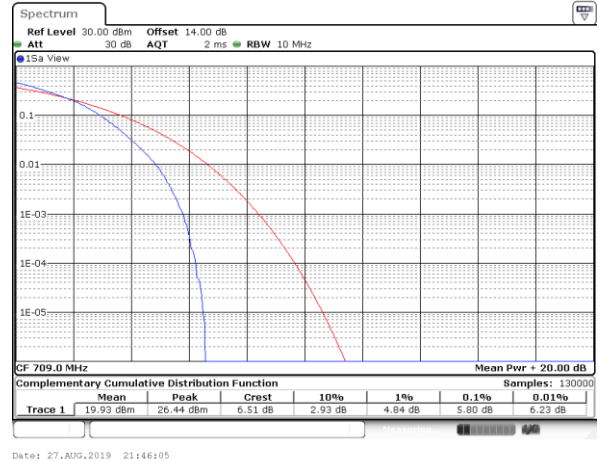
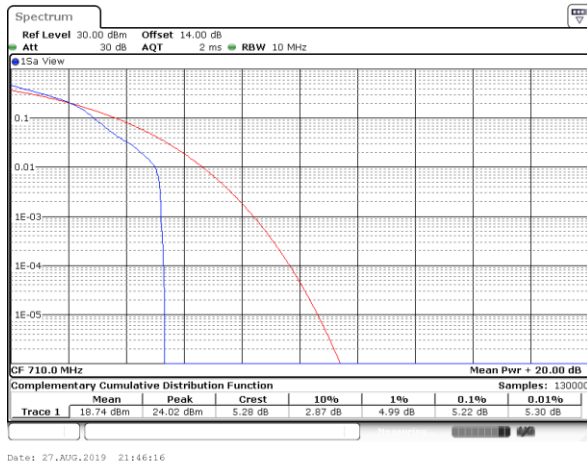
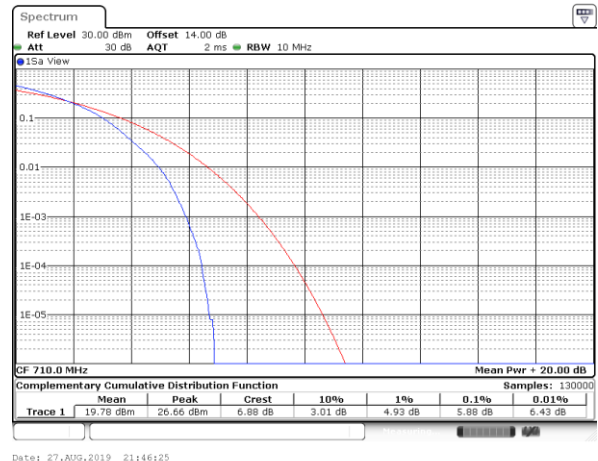
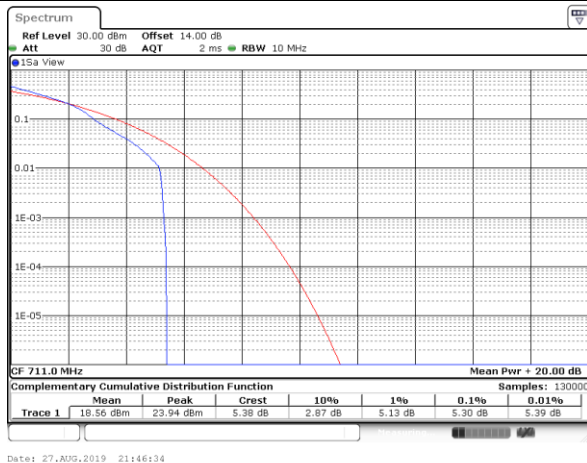
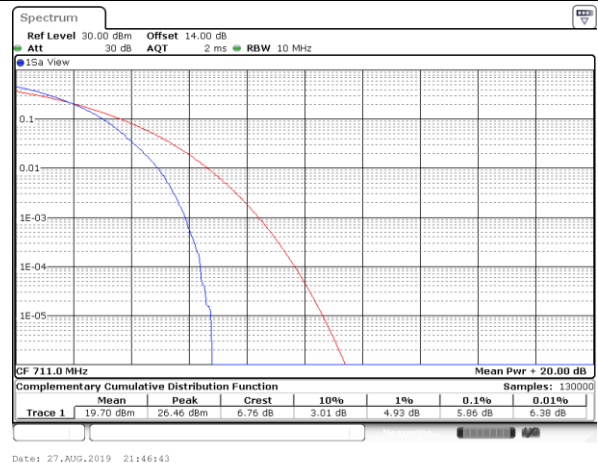
Date: 27.AUG.2019 21:51:30

Highest Channel/ 1RB


Date: 27.AUG.2019 21:52:36

Highest Channel / Full RB


Date: 27.AUG.2019 21:52:18

LTE Band 17 / 10MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel/ 1RB

Middle Channel / Full RB

Highest Channel/ 1RB

Highest Channel / Full RB




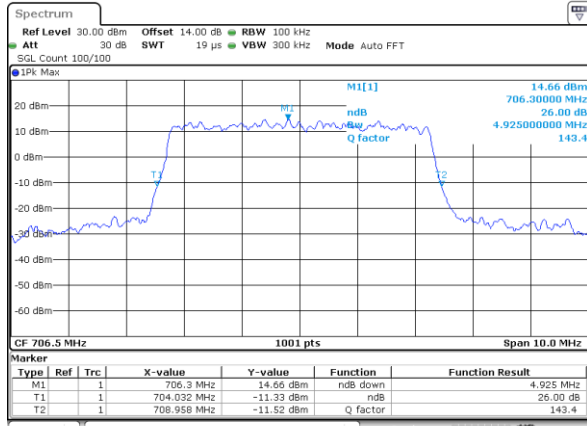
26dB Bandwidth

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.925	4.955	10.07	9.77	-	-	-	-
Middle CH	-	-	-	-	5.035	4.945	9.99	9.89	-	-	-	-
Highest CH	-	-	-	-	4.895	4.925	9.59	9.65	-	-	-	-



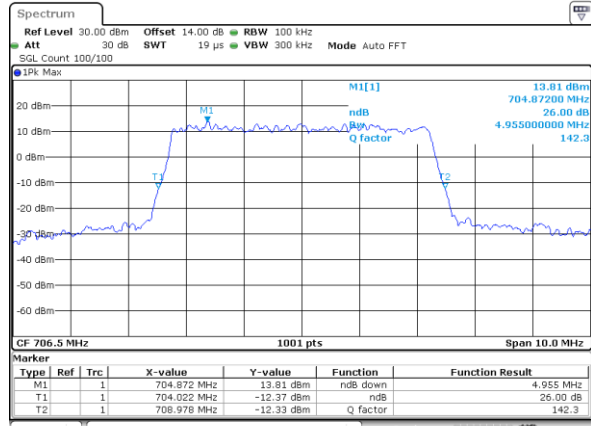
LTE Band 17

Lowest Channel / 5MHz / QPSK



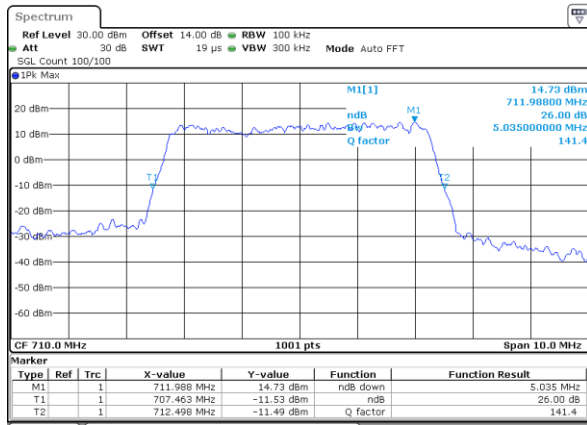
Date: 27.AUG.2019 20:54:39

Lowest Channel / 5MHz / 16QAM



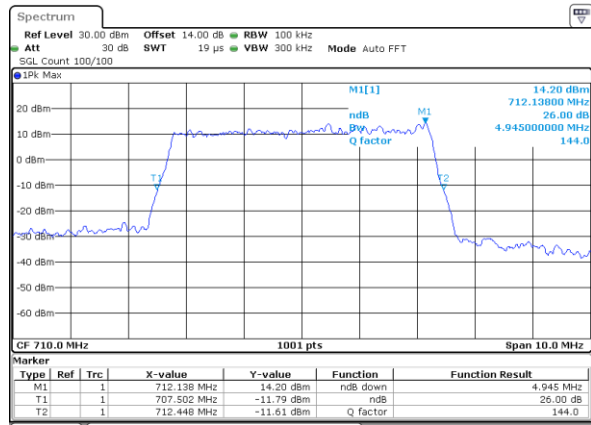
Date: 27.AUG.2019 20:54:49

Middle Channel / 5MHz / QPSK



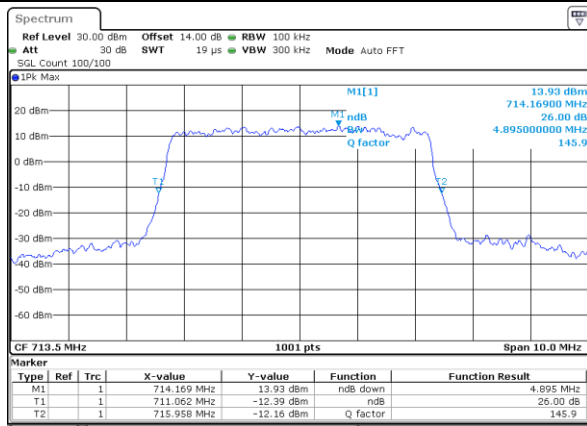
Date: 27.AUG.2019 21:01:46

Middle Channel / 5MHz / 16QAM



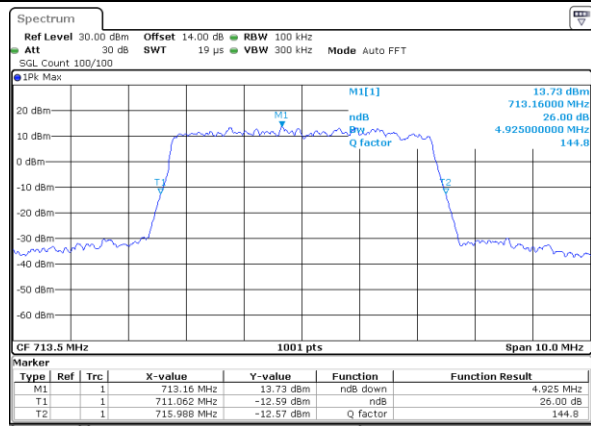
Date: 27.AUG.2019 21:01:56

Highest Channel / 5MHz / QPSK



Date: 27.AUG.2019 21:04:18

Highest Channel / 5MHz / 16QAM

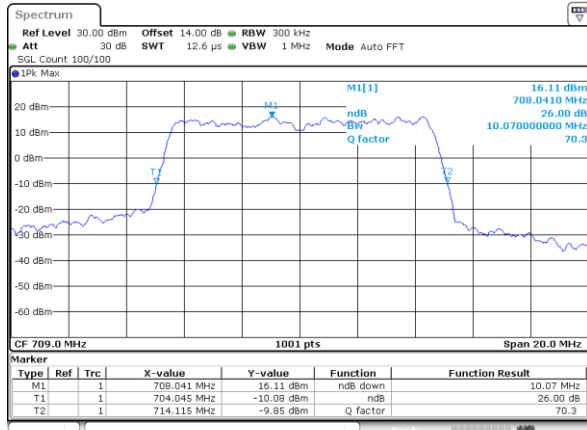


Date: 27.AUG.2019 21:04:28

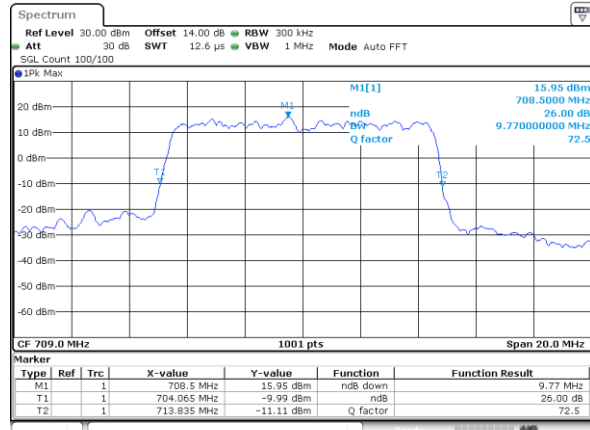


LTE Band 17

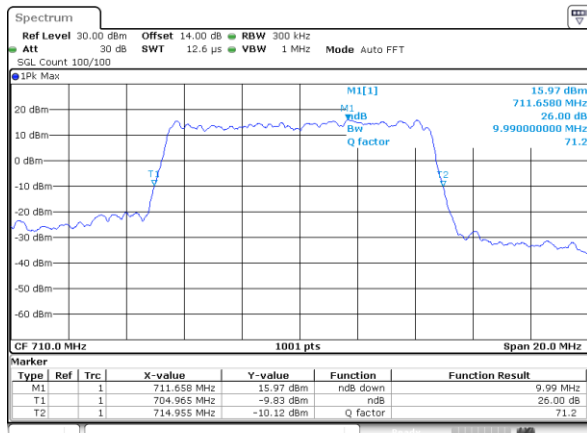
Lowest Channel / 10MHz / QPSK



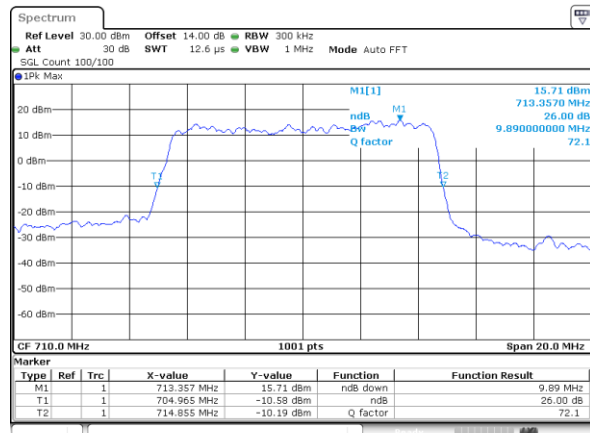
Lowest Channel / 10MHz / 16QAM



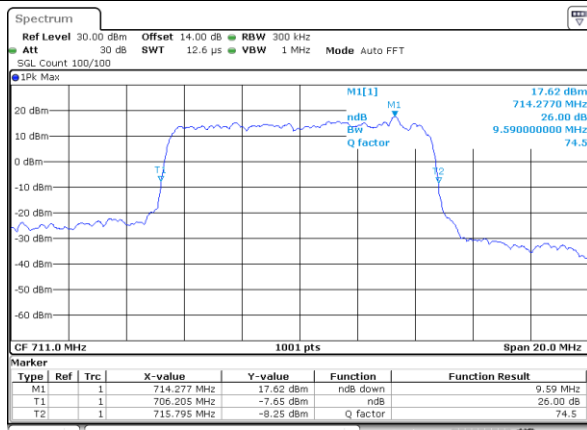
Middle Channel / 10MHz / QPSK



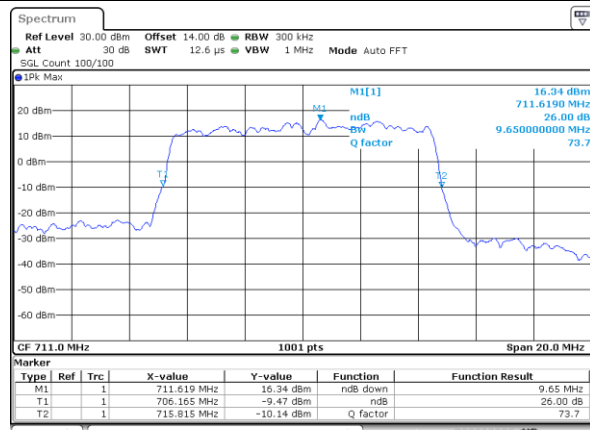
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





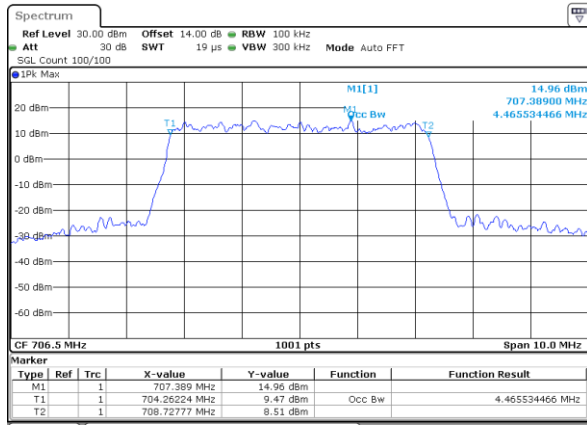
Occupied Bandwidth

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.49	9.07	9.03	-	-	-	-
Middle CH	-	-	-	-	4.47	4.49	9.07	9.01	-	-	-	-
Highest CH	-	-	-	-	4.5	4.47	8.93	9.03	-	-	-	-



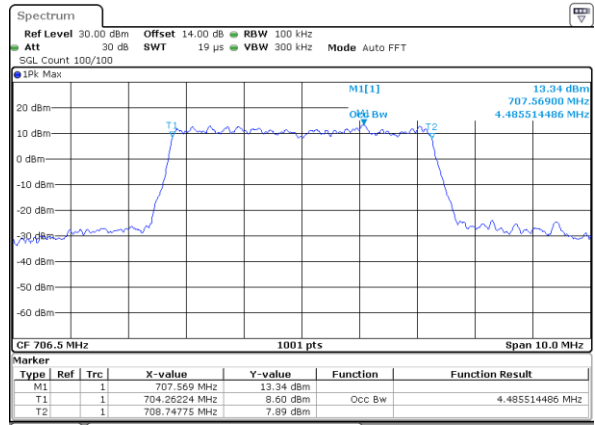
LTE Band 17

Lowest Channel / 5MHz / QPSK



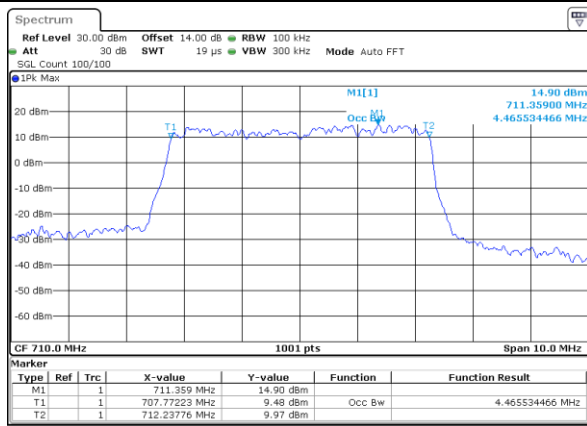
Date: 27.AUG.2019 20:54:18

Lowest Channel / 5MHz / 16QAM



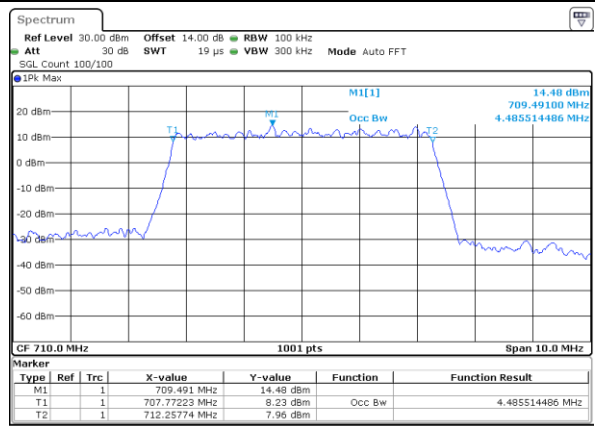
Date: 27.AUG.2019 20:54:28

Middle Channel / 5MHz / QPSK



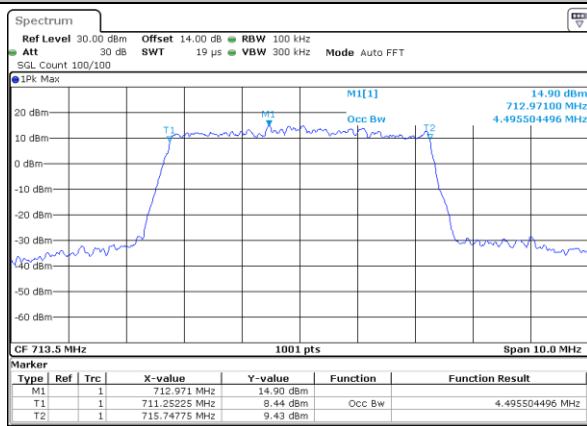
Date: 27.AUG.2019 21:01:26

Middle Channel / 5MHz / 16QAM



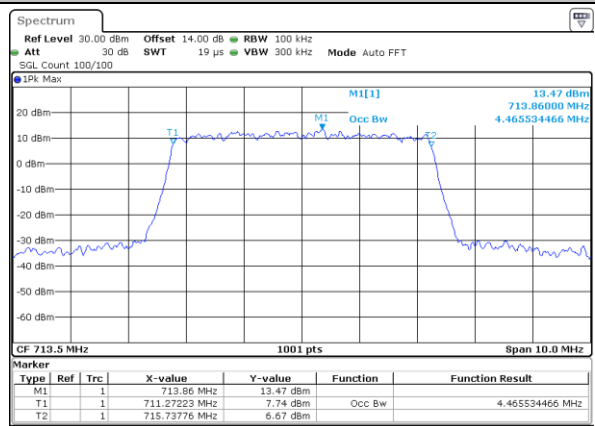
Date: 27.AUG.2019 21:01:36

Highest Channel / 5MHz / QPSK



Date: 27.AUG.2019 21:03:58

Highest Channel / 5MHz / 16QAM

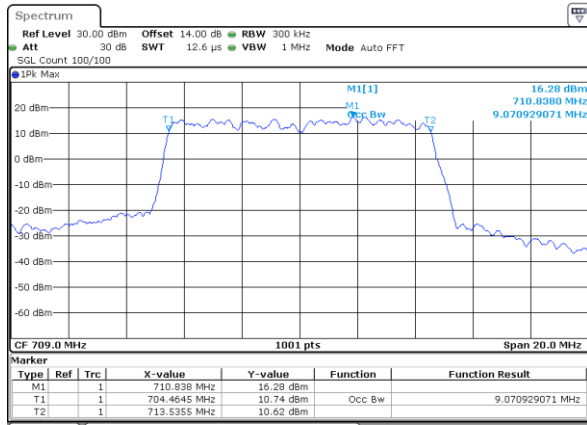


Date: 27.AUG.2019 21:04:08



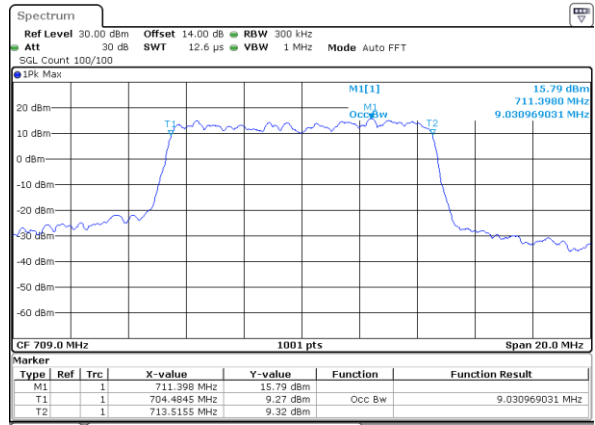
LTE Band 17

Lowest Channel / 10MHz / QPSK



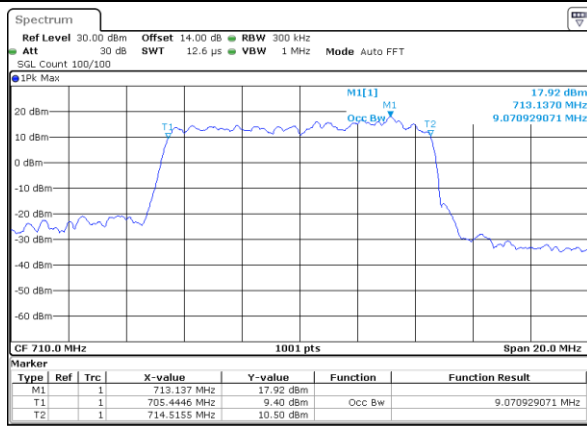
Date: 27.AUG.2019 21:11:05

Lowest Channel / 10MHz / 16QAM



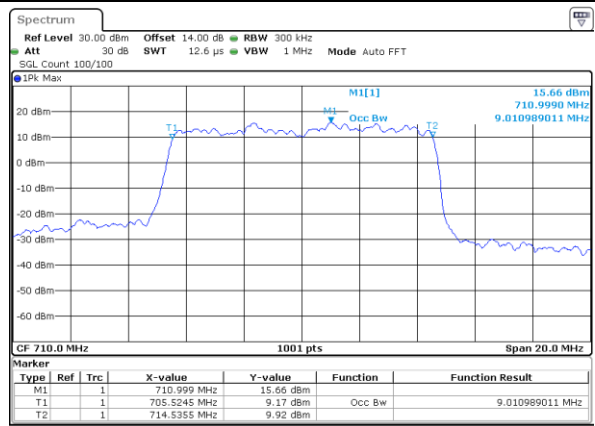
Date: 27.AUG.2019 21:11:15

Middle Channel / 10MHz / QPSK



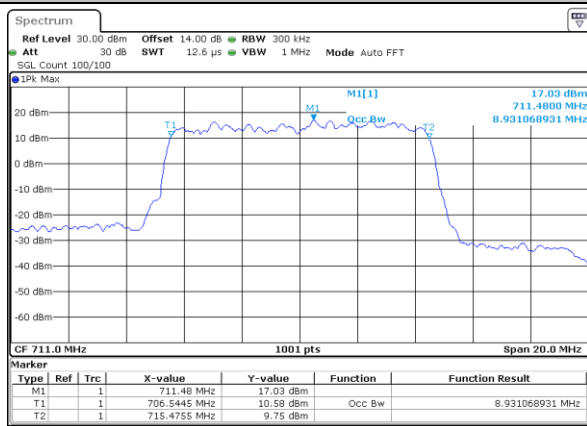
Date: 27.AUG.2019 21:18:12

Middle Channel / 10MHz / 16QAM



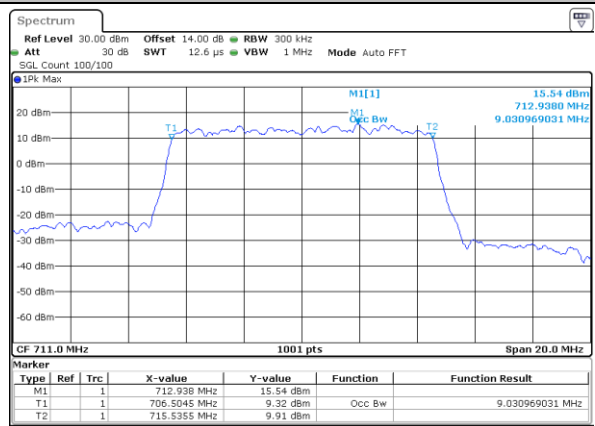
Date: 27.AUG.2019 21:18:22

Highest Channel / 10MHz / QPSK

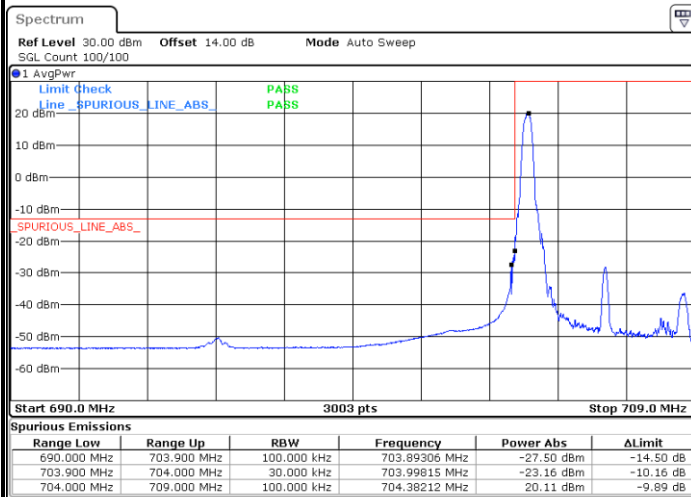
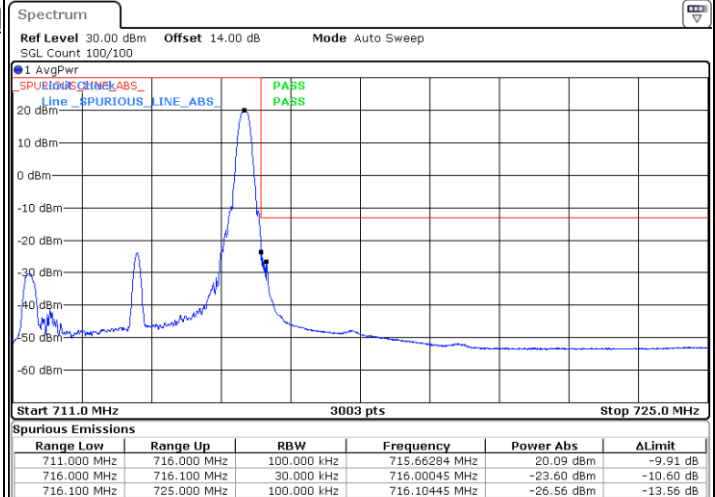
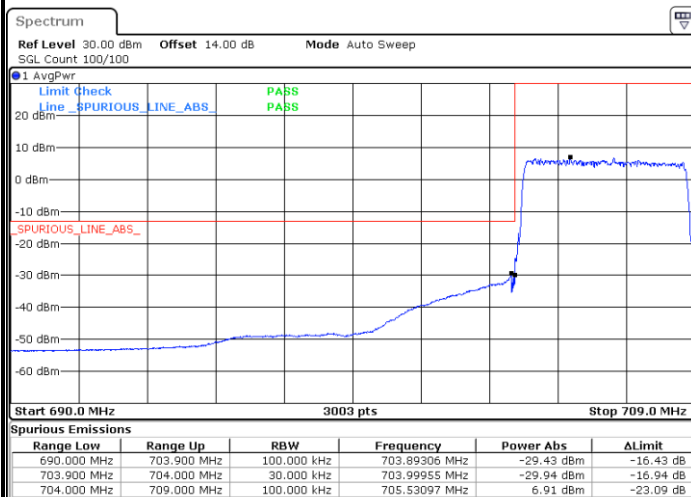
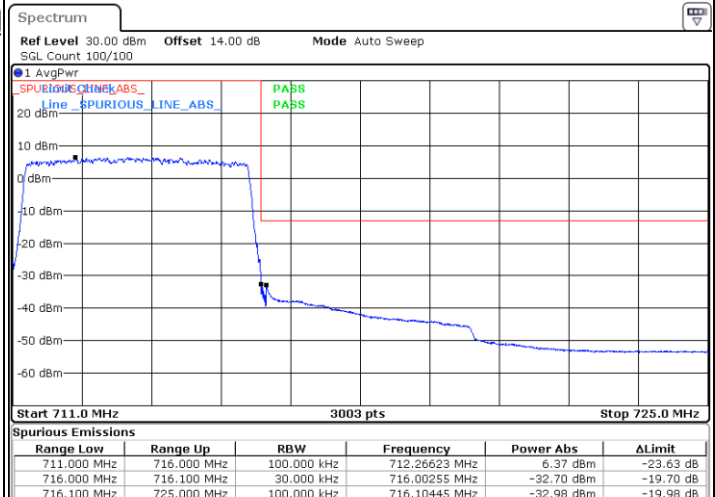


Date: 27.AUG.2019 21:20:44

Highest Channel / 10MHz / 16QAM



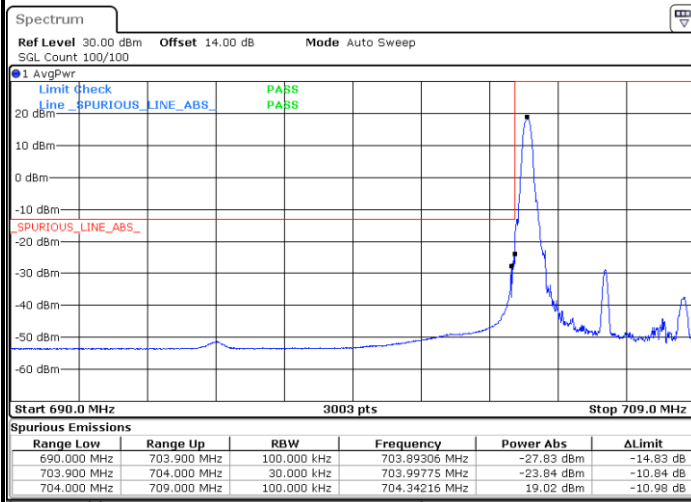
Date: 27.AUG.2019 21:20:54

**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

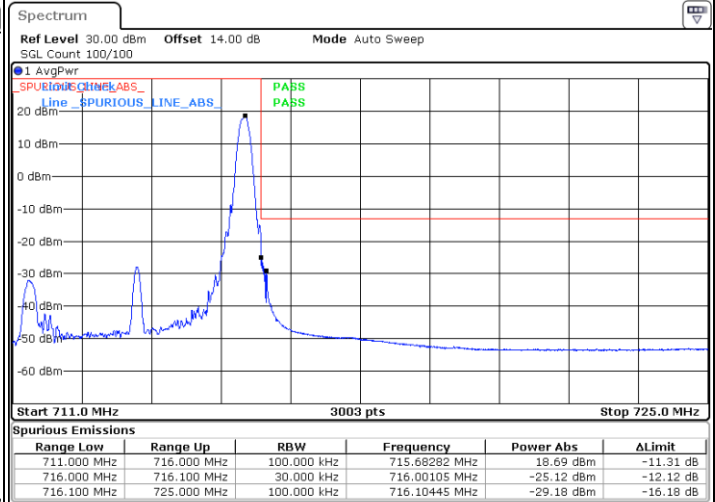


LTE Band 17 / 5MHz / 16QAM

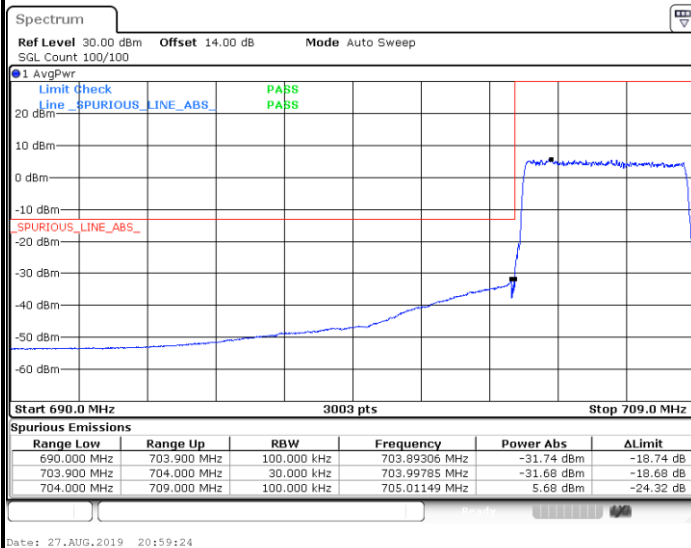
Lowest Band Edge / 1 RB



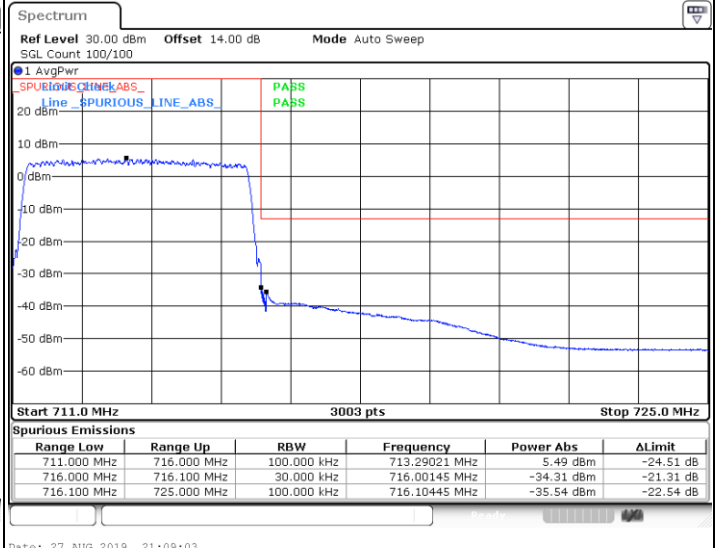
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



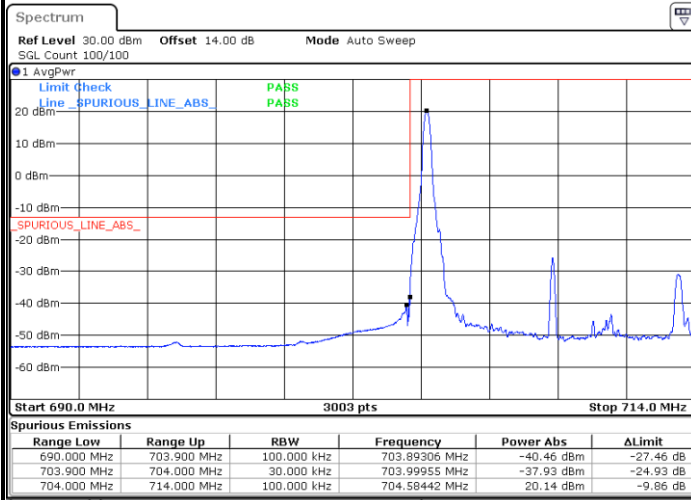
Highest Band Edge / Full RB



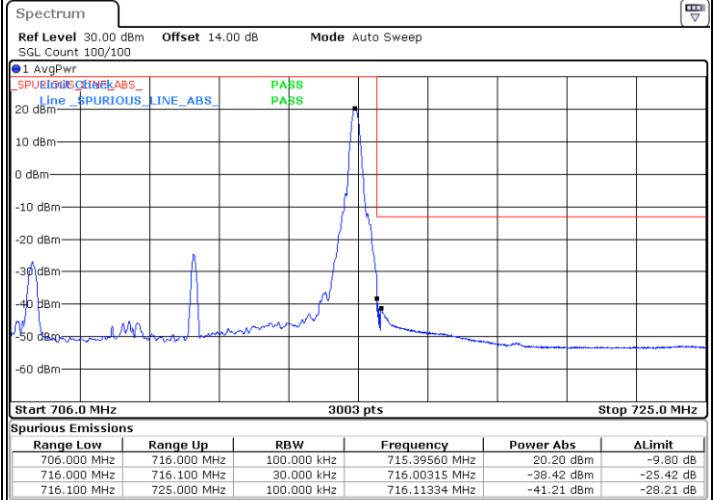


LTE Band 17 / 10MHz / QPSK

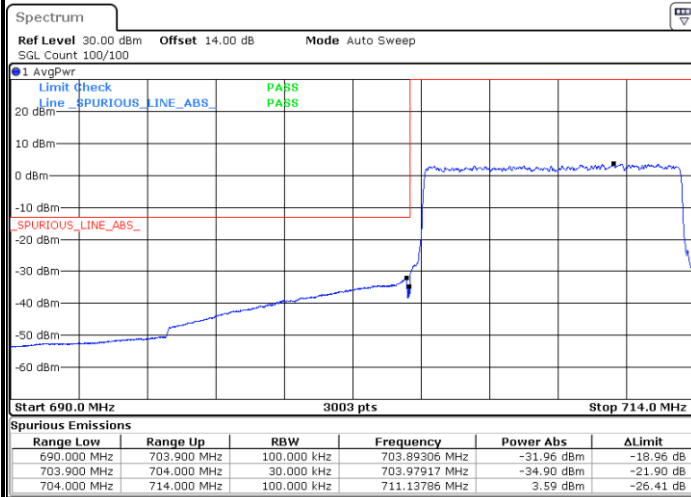
Lowest Band Edge / 1 RB



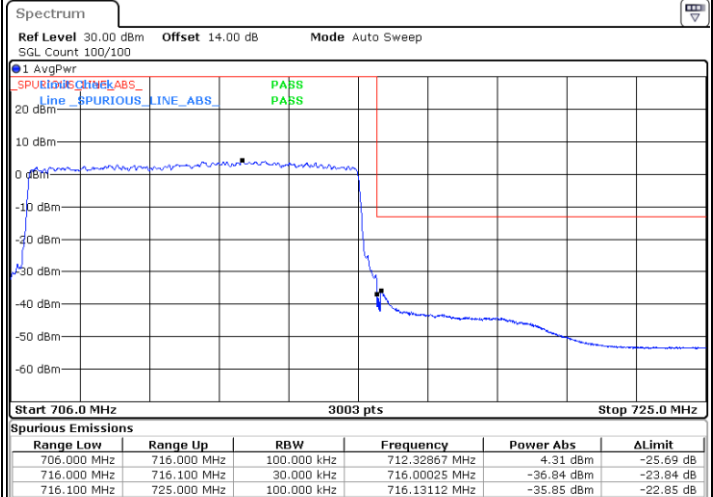
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



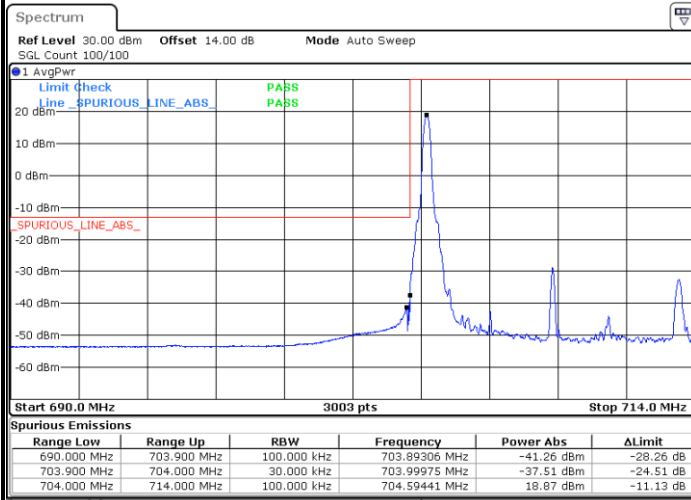
Highest Band Edge / Full RB



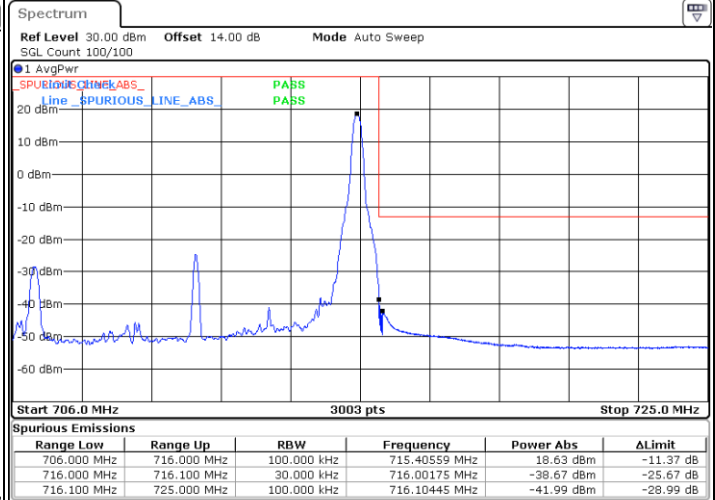


LTE Band 17 / 10MHz / 16QAM

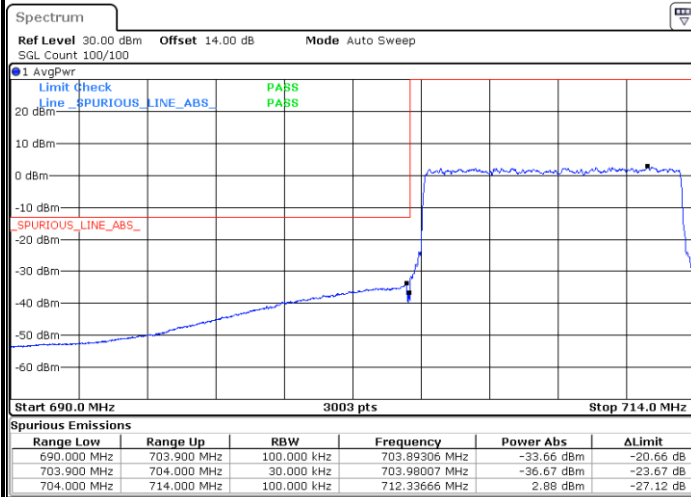
Lowest Band Edge / 1 RB



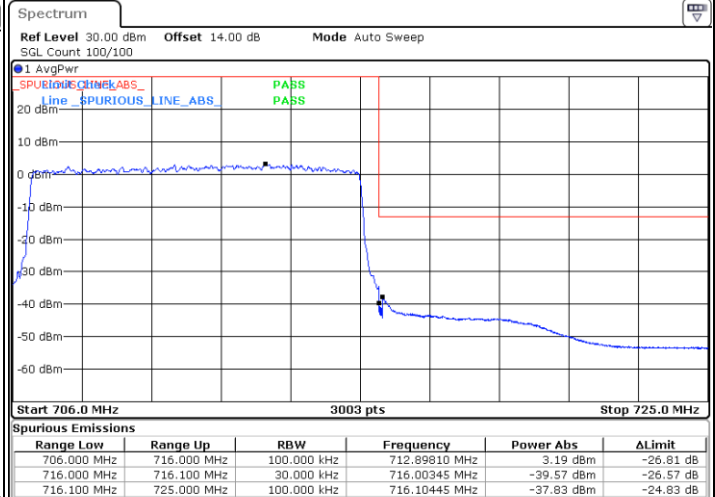
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

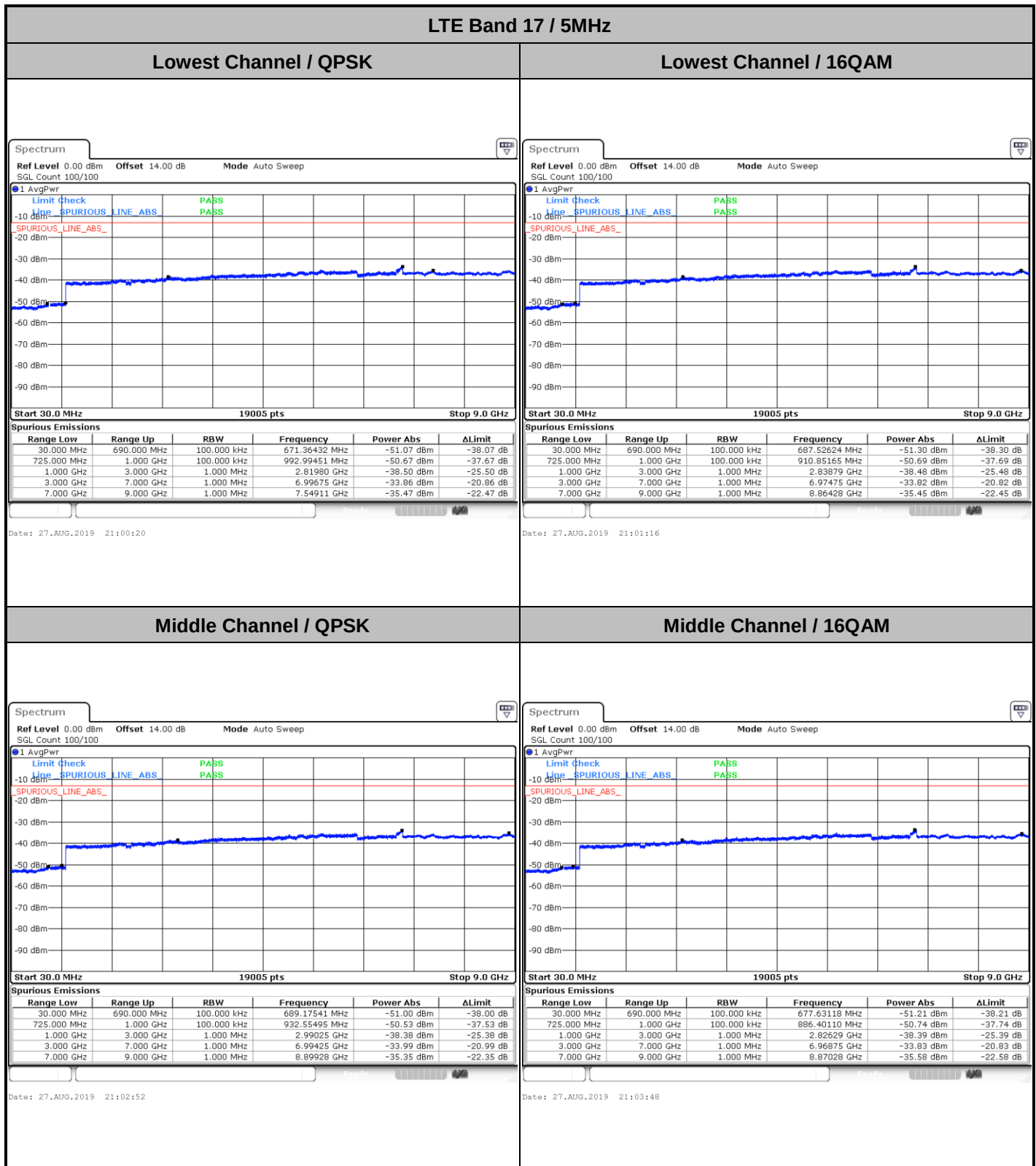


Highest Band Edge / Full RB





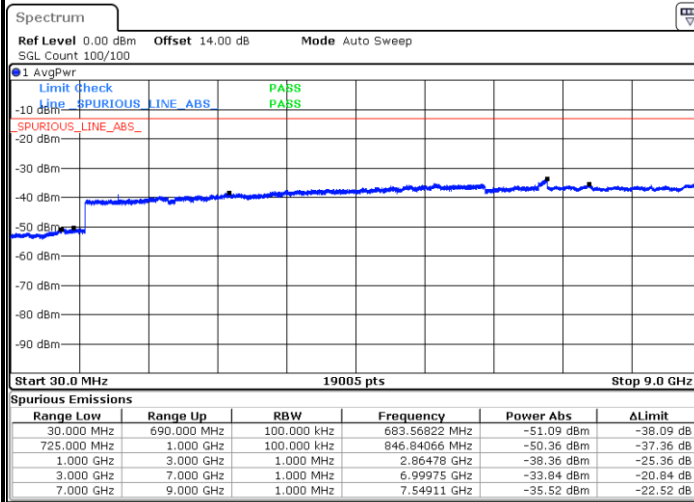
Conducted Spurious Emission





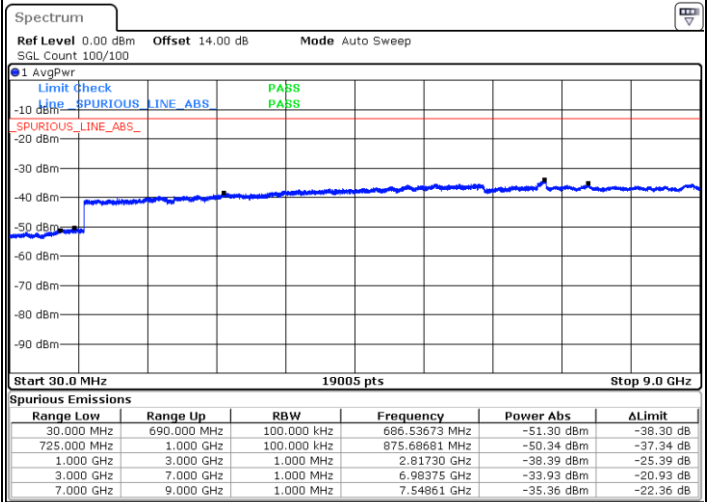
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 27.AUG.2019 21:10:00

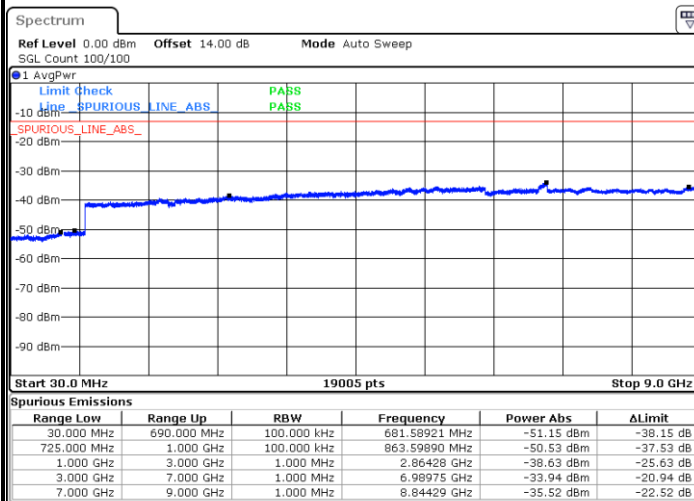
Highest Channel / 16QAM



Date: 27.AUG.2019 21:10:55

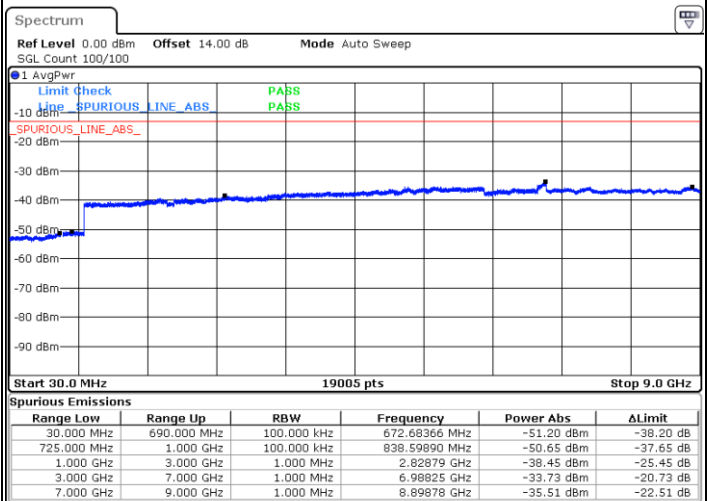
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 27.AUG.2019 21:17:07

Lowest Channel / 16QAM

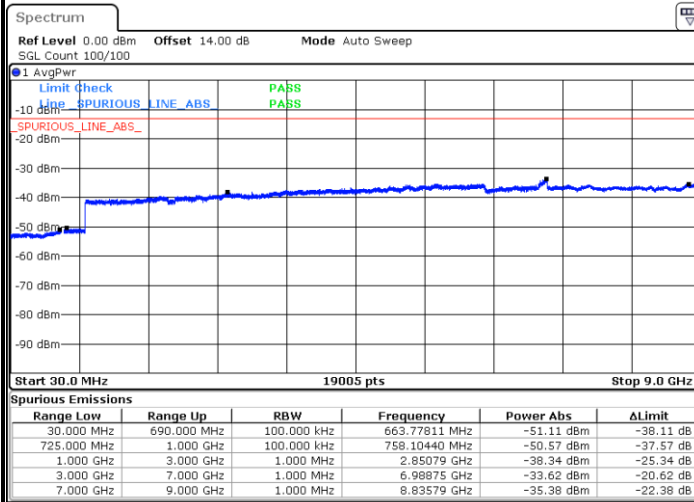


Date: 27.AUG.2019 21:18:02



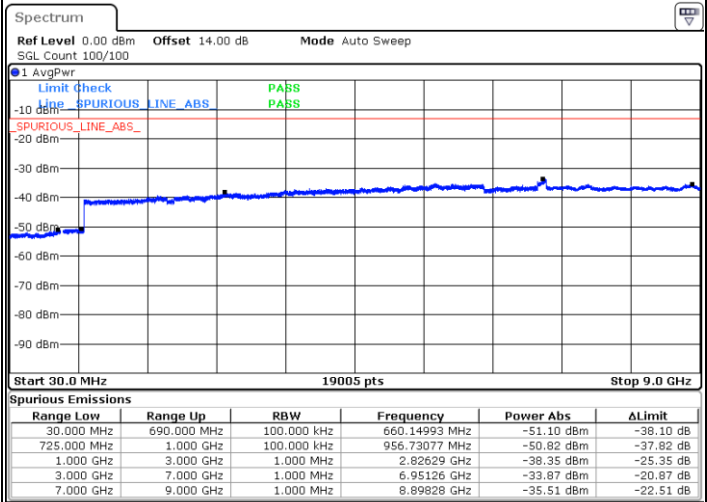
LTE Band 17 / 10MHz

Middle Channel / QPSK



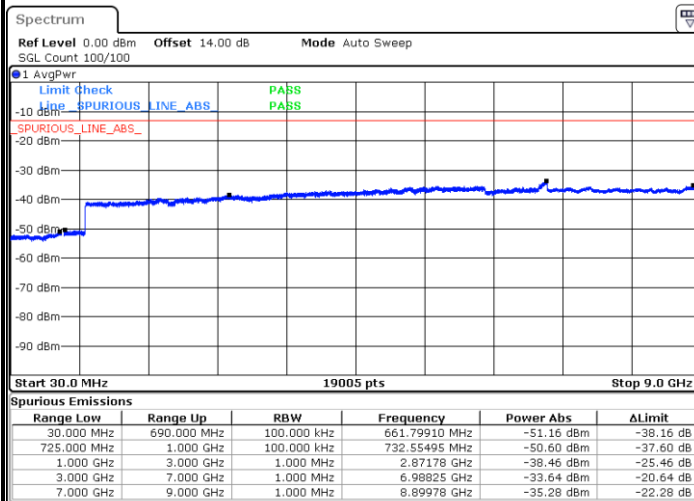
Date: 27.AUG.2019 21:19:38

Middle Channel / 16QAM



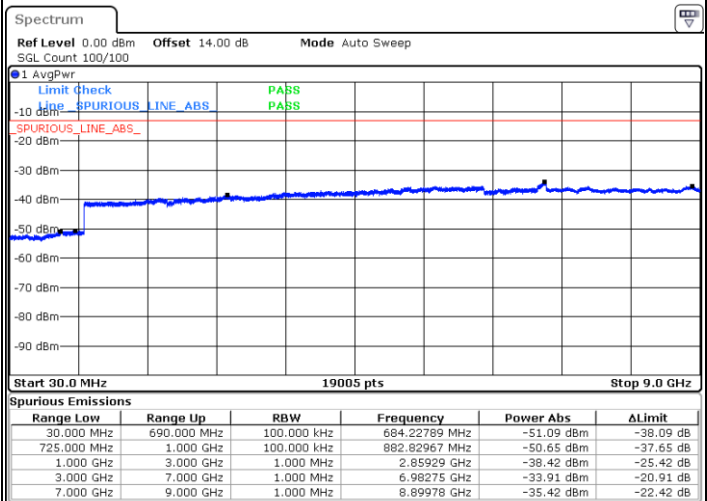
Date: 27.AUG.2019 21:20:34

Highest Channel / QPSK



Date: 27.AUG.2019 21:26:45

Highest Channel / 16QAM



Date: 27.AUG.2019 21:27:41

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0037	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 2 / 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	3700.32	-46.24	-13	-33.24	-64.03	-53.00	5.82	12.58	H
	5550.48	-31.87	-13	-18.87	-53.12	-37.59	7.28	13.00	H
	7400.64	-49.30	-13	-36.30	-75.34	-52.46	8.32	11.48	H
	9250.8	-52.20	-13	-39.20	-79.92	-54.35	9.83	11.98	H
	11100.96	-50.48	-13	-37.48	-81.01	-51.36	10.88	11.76	H
	3700.32	-47.60	-13	-34.60	-64.72	-54.36	5.82	12.58	V
	5550.48	-37.40	-13	-24.40	-57.89	-43.12	7.28	13.00	V
	7400.64	-51.56	-13	-38.56	-76.89	-54.72	8.32	11.48	V
	9250.8	-53.36	-13	-40.36	-81.73	-55.51	9.83	11.98	V
	11100.96	-50.27	-13	-37.27	-80.7	-51.15	10.88	11.76	V
Middle	3758.92	-50.60	-13	-37.60	-68.55	-57.35	5.85	12.60	H
	5638.38	-39.12	-13	-26.12	-60.31	-44.92	7.30	13.10	H
	7517.84	-53.20	-13	-40.20	-78.51	-56.35	8.35	11.50	H
	9397.3	-50.56	-13	-37.56	-77.87	-52.71	9.85	12.00	H
	3758.92	-51.63	-13	-38.63	-68.81	-58.38	5.85	12.60	V
	5638.38	-45.56	-13	-32.56	-65.69	-51.36	7.30	13.10	V
	7517.84	-53.83	-13	-40.83	-78.54	-56.98	8.35	11.50	V
	9397.3	-50.62	-13	-37.62	-79.27	-52.77	9.85	12.00	V
Highest	3817.52	-44.81	-13	-31.81	-63.01	-51.55	5.88	12.62	H
	5726.28	-36.47	-13	-23.47	-58.08	-42.28	7.32	13.13	H
	7635.04	-49.95	-13	-36.95	-74.75	-53.11	8.38	11.54	H
	3817.52	-50.53	-13	-37.53	-67.88	-57.27	5.88	12.62	V
	5726.28	-41.31	-13	-28.31	-61.99	-47.12	7.32	13.13	V
	7635.04	-50.24	-13	-37.24	-74.53	-53.40	8.38	11.54	V

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



LTE Band 2 / 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	3700.48	-46.44	-13	-33.44	-64.23	-53.20	5.82	12.58	H
	5550.72	-32.77	-13	-19.77	-54.02	-38.49	7.28	13.00	H
	7400.96	-49.76	-13	-36.76	-75.80	-52.92	8.32	11.48	H
	3700.48	-47.10	-13	-34.10	-64.22	-53.86	5.82	12.58	V
	5550.72	-38.14	-13	-25.14	-58.63	-43.86	7.28	13.00	V
	7400.96	-51.47	-13	-38.47	-76.8	-54.63	8.32	11.48	V
Middle	3757.48	-49.89	-13	-36.89	-67.84	-56.64	5.85	12.60	H
	5636.22	-39.15	-13	-26.15	-60.34	-44.95	7.30	13.10	H
	7514.96	-53.38	-13	-40.38	-78.69	-56.53	8.35	11.50	H
	3757.48	-51.61	-13	-38.61	-68.79	-58.36	5.85	12.60	V
	5636.22	-46.25	-13	-33.25	-66.38	-52.05	7.30	13.10	V
	7514.96	-54.64	-13	-41.64	-79.35	-57.79	8.35	11.50	V
Highest	3814.48	-46.81	-13	-33.81	-65.01	-53.55	5.88	12.62	H
	5721.72	-38.13	-13	-25.13	-59.74	-43.94	7.32	13.13	H
	7628.96	-50.41	-13	-37.41	-75.21	-53.57	8.38	11.54	H
	3814.48	-52.06	-13	-39.06	-69.41	-58.80	5.88	12.62	V
	5721.72	-43.90	-13	-30.90	-64.58	-49.71	7.32	13.13	V
	7628.96	-52.32	-13	-39.32	-76.61	-55.48	8.38	11.54	V

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



LTE Band 2 / 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	3700.68	-46.31	-13	-33.31	-64.10	-53.07	5.82	12.58	H
	5551.02	-32.44	-13	-19.44	-53.69	-38.16	7.28	13.00	H
	7401.36	-49.28	-13	-36.28	-75.32	-52.44	8.32	11.48	H
	3700.68	-47.17	-13	-34.17	-64.29	-53.93	5.82	12.58	V
	5551.02	-38.15	-13	-25.15	-58.64	-43.87	7.28	13.00	V
	7401.36	-51.44	-13	-38.44	-76.77	-54.60	8.32	11.48	V
Middle	3755.68	-50.79	-13	-37.79	-68.74	-57.54	5.85	12.60	H
	5633.52	-39.56	-13	-26.56	-60.75	-45.36	7.30	13.10	H
	7511.36	-53.89	-13	-40.89	-79.20	-57.04	8.35	11.50	H
	3755.68	-52.37	-13	-39.37	-69.55	-59.12	5.85	12.60	V
	5633.52	-45.87	-13	-32.87	-66	-51.67	7.30	13.10	V
	7511.36	-54.66	-13	-41.66	-79.37	-57.81	8.35	11.50	V
Highest	3810.68	-46.81	-13	-33.81	-64.92	-53.55	5.88	12.62	H
	5716.02	-38.87	-13	-25.87	-60.41	-44.68	7.32	13.13	H
	7621.36	-52.52	-13	-39.52	-77.29	-55.68	8.38	11.54	H
	3810.68	-51.00	-13	-38.00	-68.24	-57.74	5.88	12.62	V
	5716.02	-44.12	-13	-31.12	-64.7	-49.93	7.32	13.13	V
	7621.36	-53.20	-13	-40.20	-77.46	-56.36	8.38	11.54	V

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



LTE Band 2 / 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)
Lowest	3701.18	-46.44	-13	-33.44	-64.23	-53.20	5.82	12.58	H
	5551.77	-32.75	-13	-19.75	-54.01	-38.47	7.28	13.00	H
	7402.36	-49.21	-13	-36.21	-75.25	-52.37	8.32	11.48	H
	3701.18	-46.71	-13	-33.71	-63.83	-53.47	5.82	12.58	V
	5551.77	-37.98	-13	-24.98	-58.48	-43.70	7.28	13.00	V
	7402.36	-51.68	-13	-38.68	-77.01	-54.84	8.32	11.48	V
Middle	3751.18	-49.77	-13	-36.77	-67.72	-56.52	5.85	12.60	H
	5626.77	-39.91	-13	-26.91	-61.12	-45.71	7.30	13.10	H
	7502	-53.66	-13	-40.66	-79.08	-56.81	8.35	11.50	H
	3751.18	-51.97	-13	-38.97	-69.15	-58.72	5.85	12.60	V
	5626.77	-44.60	-13	-31.60	-64.95	-50.40	7.30	13.10	V
	7502	-54.18	-13	-41.18	-78.99	-57.33	8.35	11.50	V
Highest	3801.18	-43.32	-13	-30.32	-61.43	-50.06	5.88	12.62	H
	5701.77	-34.97	-13	-21.97	-56.50	-40.78	7.32	13.13	H
	7602.36	-52.58	-13	-39.58	-77.31	-55.74	8.38	11.54	H
	3801.18	-47.94	-13	-34.94	-65.18	-54.68	5.88	12.62	V
	5701.77	-40.10	-13	-27.10	-60.67	-45.91	7.32	13.13	V
	7602.36	-51.92	-13	-38.92	-76.15	-55.08	8.38	11.54	V

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



LTE Band 2 / 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	3701.68	-50.21	-13	-37.21	-68.00	-56.97	5.82	12.58	H
	5552.52	-36.52	-13	-23.52	-57.78	-42.24	7.28	13.00	H
	7403.36	-51.05	-13	-38.05	-77.09	-54.21	8.32	11.48	H
	3701.68	-53.30	-13	-40.30	-70.42	-60.06	5.82	12.58	V
	5552.52	-45.38	-13	-32.38	-65.88	-51.10	7.28	13.00	V
	7403.36	-52.87	-13	-39.87	-78.2	-56.03	8.32	11.48	V
Middle	3746.68	-46.36	-13	-33.36	-64.31	-53.11	5.85	12.60	H
	5620.02	-34.40	-13	-21.40	-55.61	-40.20	7.30	13.10	H
	7493.36	-48.60	-13	-35.60	-74.02	-51.75	8.35	11.50	H
	3746.68	-49.93	-13	-36.93	-67.11	-56.68	5.85	12.60	V
	5620.02	-41.77	-13	-28.77	-62.12	-47.57	7.30	13.10	V
	7493.36	-49.23	-13	-36.23	-74.04	-52.38	8.35	11.50	V
Highest	3791.68	-45.50	-13	-32.50	-63.55	-52.24	5.88	12.62	H
	5687.52	-35.00	-13	-22.00	-56.45	-40.81	7.32	13.13	H
	7583.36	-48.62	-13	-35.62	-73.47	-51.78	8.38	11.54	H
	3791.68	-50.64	-13	-37.64	-67.86	-57.38	5.88	12.62	V
	5687.52	-41.42	-13	-28.42	-61.88	-47.23	7.32	13.13	V
	7583.36	-46.50	-13	-33.50	-70.83	-49.66	8.38	11.54	V

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



LTE Band 2 / 20MHz / 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	3702.18	-50.57	-13	-37.57	-68.36	-57.33	5.82	12.58	H
	5553.27	-38.32	-13	-25.32	-59.58	-44.04	7.28	13.00	H
	7404.36	-50.91	-13	-37.91	-76.95	-54.07	8.32	11.48	H
	3702.18	-53.25	-13	-40.25	-70.37	-60.01	5.82	12.58	V
	5553.27	-46.35	-13	-33.35	-66.85	-52.07	7.28	13.00	V
	7404.36	-52.87	-13	-39.87	-78.2	-56.03	8.32	11.48	V
Middle	3742.18	-45.79	-13	-32.79	-63.68	-52.54	5.85	12.60	H
	5613.27	-35.46	-13	-22.46	-56.70	-41.26	7.30	13.10	H
	7484.36	-49.87	-13	-36.87	-75.42	-53.02	8.35	11.50	H
	3742.18	-50.60	-13	-37.60	-67.76	-57.35	5.85	12.60	V
	5613.27	-41.81	-13	-28.81	-62.4	-47.61	7.30	13.10	V
	7484.36	-48.90	-13	-35.90	-73.81	-52.05	8.35	11.50	V
Highest	3782.18	-47.53	-13	-34.53	-65.58	-54.27	5.88	12.62	H
	5673.27	-37.98	-13	-24.98	-59.34	-43.79	7.32	13.13	H
	7564.36	-47.92	-13	-34.92	-72.88	-51.08	8.38	11.54	H
	3782.18	-53.31	-13	-40.31	-70.53	-60.05	5.88	12.62	V
	5673.27	-44.31	-13	-31.31	-64.66	-50.12	7.32	13.13	V
	7564.36	-50.15	-13	-37.15	-74.57	-53.31	8.38	11.54	V

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



LTE Band 4 / 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	3420.32	-48.63	-13	-35.63	-63.66	-55.51	5.60	12.48	H
	5130.48	-40.17	-13	-27.17	-61.65	-45.85	7.10	12.78	H
	6840.64	-40.63	-13	-27.63	-64.34	-44.02	8.38	11.77	H
	3420.32	-53.81	-13	-40.81	-68.34	-60.69	5.60	12.48	V
	5130.48	-44.94	-13	-31.94	-65.64	-50.62	7.10	12.78	V
	6840.64	-43.94	-13	-30.94	-66.77	-47.33	8.38	11.77	V
Middle	3463.74	-52.70	-13	-39.70	-68.41	-59.55	5.65	12.50	H
	5195.61	-41.63	-13	-28.63	-63.20	-47.30	7.13	12.80	H
	6927.48	-44.69	-13	-31.69	-68.20	-48.09	8.40	11.80	H
	3463.74	-53.91	-13	-40.91	-69.13	-60.76	5.65	12.50	V
	5195.61	-48.02	-13	-35.02	-68.52	-53.69	7.13	12.80	V
	6927.48	-48.14	-13	-35.14	-71.27	-51.54	8.40	11.80	V
Highest	3507.52	-54.65	-13	-41.65	-71.04	-61.49	5.68	12.52	H
	5261.28	-40.35	-13	-27.35	-60.74	-46.02	7.15	12.82	H
	7015.04	-45.35	-13	-32.35	-68.88	-48.78	8.42	11.85	H
	3507.52	-53.64	-13	-40.64	-69.55	-60.48	5.68	12.52	V
	5261.28	-47.13	-13	-34.13	-66.45	-52.80	7.15	12.82	V
	7015.04	-46.92	-13	-33.92	-70.41	-50.35	8.42	11.85	V

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



LTE Band 4 / 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	3420.48	-48.33	-13	-35.33	-63.36	-55.21	5.60	12.48	H
	5130.72	-39.72	-13	-26.72	-61.20	-45.40	7.10	12.78	H
	6840.96	-40.86	-13	-27.86	-64.57	-44.25	8.38	11.77	H
	3420.48	-53.42	-13	-40.42	-67.95	-60.30	5.60	12.48	V
	5130.72	-45.35	-13	-32.35	-66.05	-51.03	7.10	12.78	V
	6840.96	-44.78	-13	-31.78	-67.61	-48.17	8.38	11.77	V
Middle	3462.48	-52.84	-13	-39.84	-68.55	-59.69	5.65	12.50	H
	5193.72	-41.04	-13	-28.04	-62.63	-46.71	7.13	12.80	H
	6924.96	-45.35	-13	-32.35	-68.86	-48.75	8.40	11.80	H
	3462.48	-54.58	-13	-41.58	-69.8	-61.43	5.65	12.50	V
	5193.72	-47.38	-13	-34.38	-67.9	-53.05	7.13	12.80	V
	6924.96	-48.52	-13	-35.52	-71.65	-51.92	8.40	11.80	V
Highest	3504.48	-53.28	-13	-40.28	-69.45	-60.12	5.68	12.52	H
	5256.72	-39.51	-13	-26.51	-59.76	-45.18	7.15	12.82	H
	7008.96	-44.66	-13	-31.66	-67.98	-48.09	8.42	11.85	H
	3504.48	-52.23	-13	-39.23	-67.92	-59.07	5.68	12.52	V
	5256.72	-44.34	-13	-31.34	-63.53	-50.01	7.15	12.82	V
	7008.96	-45.39	-13	-32.39	-68.73	-48.82	8.42	11.85	V

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



LTE Band 4 / 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	3420.68	-49.51	-13	-36.51	-64.54	-56.39	5.60	12.48	H
	5131.02	-39.46	-13	-26.46	-60.94	-45.14	7.10	12.78	H
	6841.36	-41.20	-13	-28.20	-64.91	-44.59	8.38	11.77	H
	3420.68	-53.14	-13	-40.14	-67.67	-60.02	5.60	12.48	V
	5131.02	-44.92	-13	-31.92	-65.62	-50.60	7.10	12.78	V
	6841.36	-44.45	-13	-31.45	-67.28	-47.84	8.38	11.77	V
Middle	3460.68	-53.62	-13	-40.62	-69.32	-60.47	5.65	12.50	H
	5191.02	-41.55	-13	-28.55	-63.14	-47.22	7.13	12.80	H
	6921.36	-45.72	-13	-32.72	-69.25	-49.12	8.40	11.80	H
	3460.68	-53.89	-13	-40.89	-69.1	-60.74	5.65	12.50	V
	5191.02	-47.03	-13	-34.03	-67.55	-52.70	7.13	12.80	V
	6921.36	-48.50	-13	-35.50	-71.55	-51.90	8.40	11.80	V
Highest	3500.68	-52.87	-13	-39.87	-69.04	-59.71	5.68	12.52	H
	5251.02	-37.58	-13	-24.58	-57.83	-43.25	7.15	12.82	H
	7001.36	-44.68	-13	-31.68	-68.01	-48.11	8.42	11.85	H
	3500.68	-52.04	-13	-39.04	-67.73	-58.88	5.68	12.52	V
	5251.02	-44.02	-13	-31.02	-63.21	-49.69	7.15	12.82	V
	7001.36	-46.41	-13	-33.41	-69.76	-49.84	8.42	11.85	V

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



LTE Band 4 / 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)
Lowest	3421.18	-48.47	-13	-35.47	-63.50	-55.35	5.60	12.48	H
	5131.77	-39.24	-13	-26.24	-60.72	-44.92	7.10	12.78	H
	6842.36	-40.56	-13	-27.56	-64.27	-43.95	8.38	11.77	H
	3421.18	-53.67	-13	-40.67	-68.2	-60.55	5.60	12.48	V
	5131.77	-44.66	-13	-31.66	-65.36	-50.34	7.10	12.78	V
	6842.36	-43.83	-13	-30.83	-66.66	-47.22	8.38	11.77	V
Middle	3456.18	-54.41	-13	-41.41	-69.89	-61.26	5.65	12.50	H
	5184.27	-42.03	-13	-29.03	-63.58	-47.70	7.13	12.80	H
	6912.36	-44.44	-13	-31.44	-67.97	-47.84	8.40	11.80	H
	3456.18	-54.46	-13	-41.46	-69.45	-61.31	5.65	12.50	V
	5184.27	-47.01	-13	-34.01	-67.56	-52.68	7.13	12.80	V
	6912.36	-45.72	-13	-32.72	-68.77	-49.12	8.40	11.80	V
Highest	3491.18	-49.98	-13	-36.98	-66.15	-56.82	5.68	12.52	H
	5236.77	-37.77	-13	-24.77	-58.47	-43.44	7.15	12.82	H
	6982.36	-42.90	-13	-29.90	-66.25	-46.33	8.42	11.85	H
	3491.18	-50.96	-13	-37.96	-66.65	-57.80	5.68	12.52	V
	5236.77	-44.89	-13	-31.89	-64.52	-50.56	7.15	12.82	V
	6982.36	-45.45	-13	-32.45	-68.72	-48.88	8.42	11.85	V

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



LTE Band 4 / 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	3421.68	-48.87	-13	-35.87	-63.90	-55.75	5.60	12.48	H
	5132.52	-39.45	-13	-26.45	-60.93	-45.13	7.10	12.78	H
	6843.36	-41.08	-13	-28.08	-64.79	-44.47	8.38	11.77	H
	3421.68	-51.90	-13	-38.90	-66.43	-58.78	5.60	12.48	V
	5132.52	-44.62	-13	-31.62	-65.32	-50.30	7.10	12.78	V
	6843.36	-44.03	-13	-31.03	-66.86	-47.42	8.38	11.77	V
Middle	3451.68	-55.30	-13	-42.30	-70.78	-62.15	5.65	12.50	H
	5177.52	-41.90	-13	-28.90	-63.45	-47.57	7.13	12.80	H
	6903.36	-45.17	-13	-32.17	-68.72	-48.57	8.40	11.80	H
	3451.68	-54.59	-13	-41.59	-69.58	-61.44	5.65	12.50	V
	5177.52	-47.24	-13	-34.24	-67.79	-52.91	7.13	12.80	V
	6903.36	-47.22	-13	-34.22	-70.18	-50.62	8.40	11.80	V
Highest	3481.68	-49.74	-13	-36.74	-65.67	-56.58	5.68	12.52	H
	5222.52	-38.39	-13	-25.39	-59.52	-44.06	7.15	12.82	H
	6963.36	-43.82	-13	-30.82	-67.23	-47.25	8.42	11.85	H
	3481.68	-51.78	-13	-38.78	-67.22	-58.62	5.68	12.52	V
	5222.52	-43.45	-13	-30.45	-63.51	-49.12	7.15	12.82	V
	6963.36	-45.71	-13	-32.71	-68.93	-49.14	8.42	11.85	V

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



LTE Band 4 / 20MHz / 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	3422.18	-49.07	-13	-36.07	-64.10	-55.95	5.60	12.48	H
	5133.27	-39.25	-13	-26.25	-60.73	-44.93	7.10	12.78	H
	6844.36	-40.78	-13	-27.78	-64.49	-44.17	8.38	11.77	H
	3422.18	-53.50	-13	-40.50	-68.03	-60.38	5.60	12.48	V
	5133.27	-44.42	-13	-31.42	-65.12	-50.10	7.10	12.78	V
	6844.36	-44.85	-13	-31.85	-67.68	-48.24	8.38	11.77	V
Middle	3447.18	-53.18	-13	-40.18	-68.66	-60.03	5.65	12.50	H
	5170.77	-41.53	-13	-28.53	-63.05	-47.20	7.13	12.80	H
	6894.36	-43.80	-13	-30.80	-67.39	-47.20	8.40	11.80	H
	3447.18	-54.84	-13	-41.84	-69.83	-61.69	5.65	12.50	V
	5170.77	-48.08	-13	-35.08	-68.67	-53.75	7.13	12.80	V
	6894.36	-45.54	-13	-32.54	-68.54	-48.94	8.40	11.80	V
Highest	3472.18	-49.85	-13	-36.85	-65.56	-56.69	5.68	12.52	H
	5208.27	-40.36	-13	-27.36	-61.50	-46.03	7.15	12.82	H
	6944.36	-42.91	-13	-29.91	-66.36	-46.34	8.42	11.85	H
	3472.18	-53.53	-13	-40.53	-68.75	-60.37	5.68	12.52	V
	5208.27	-46.36	-13	-33.36	-66.43	-52.03	7.15	12.82	V
	6944.36	-47.84	-13	-34.84	-71.01	-51.27	8.42	11.85	V

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



LTE Band 5 / 1.4MHz / 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	1649.92	-39.58	-13	-26.58	-49.17	-42.81	3.98	9.36	H
	2474.88	-58.99	-13	-45.99	-72.50	-62.54	4.85	10.55	H
	3299.84	-58.76	-13	-45.76	-74.47	-63.69	5.50	12.58	H
	4124.8	-55.71	-13	-42.71	-74.63	-60.18	5.98	12.60	H
	4949.76	-56.81	-13	-43.81	-77.92	-60.24	7.10	12.68	H
	5774.72	-56.12	-13	-43.12	-77.99	-59.27	7.60	12.90	H
	1649.92	-39.78	-13	-26.78	-48.85	-43.01	3.98	9.36	V
	2474.88	-60.48	-13	-47.48	-73.79	-64.03	4.85	10.55	V
	3299.84	-60.64	-13	-47.64	-75.96	-65.57	5.50	12.58	V
	4124.8	-54.83	-13	-41.83	-72.83	-59.30	5.98	12.60	V
	4949.76	-58.40	-13	-45.40	-79.03	-61.83	7.10	12.68	V
	5774.72	-59.31	-13	-46.31	-80.33	-62.46	7.60	12.90	V
Middle	1671.92	-45.04	-13	-32.04	-55.01	-48.29	4.00	9.40	H
	2507.88	-57.86	-13	-44.86	-71.36	-61.43	4.88	10.60	H
	3343.84	-58.56	-13	-45.56	-74.17	-63.49	5.52	12.60	H
	4179.8	-53.47	-13	-40.47	-72.33	-57.94	6.00	12.62	H
	5015.76	-57.01	-13	-44.01	-78.33	-60.42	7.14	12.70	H
	1671.92	-44.10	-13	-31.10	-53.56	-47.35	4.00	9.40	V
	2507.88	-58.94	-13	-45.94	-72.27	-62.51	4.88	10.60	V
	3343.84	-58.60	-13	-45.60	-73.77	-63.53	5.52	12.60	V
	4179.8	-54.11	-13	-41.11	-71.97	-58.58	6.00	12.62	V
	5015.76	-59.07	-13	-46.07	-80.11	-62.48	7.14	12.70	V
Highest	1695.52	-50.98	-13	-37.98	-61.12	-54.15	4.10	9.42	H
	2543.28	-61.44	-13	-48.44	-74.96	-65.02	4.90	10.63	H
	3391.04	-60.08	-13	-47.08	-74.87	-65.00	5.55	12.62	H
	4238.8	-56.83	-13	-43.83	-75.72	-61.31	6.02	12.65	H
	1695.52	-50.69	-13	-37.69	-60.33	-53.86	4.10	9.42	V
	2543.28	-60.11	-13	-47.11	-73.37	-63.69	4.90	10.63	V
	3391.04	-59.02	-13	-46.02	-73.30	-63.94	5.55	12.62	V
	4238.8	-57.65	-13	-44.65	-75.54	-62.13	6.02	12.65	V

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



LTE Band 5 / 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	1648.48	-40.34	-13	-27.34	-49.93	-43.57	3.98	9.36	H
	2472.72	-58.74	-13	-45.74	-72.25	-62.29	4.85	10.55	H
	3296.96	-59.73	-13	-46.73	-75.44	-64.66	5.50	12.58	H
	4121.2	-55.05	-13	-42.05	-73.96	-59.52	5.98	12.60	H
	4945.44	-56.27	-13	-43.27	-77.38	-59.70	7.10	12.68	H
	5769.68	-55.66	-13	-42.66	-77.53	-58.81	7.60	12.90	H
	1648.48	-39.45	-13	-26.45	-48.52	-42.68	3.98	9.36	V
	2472.72	-60.72	-13	-47.72	-74.03	-64.27	4.85	10.55	V
	3296.96	-60.67	-13	-47.67	-75.99	-65.60	5.50	12.58	V
	4121.2	-54.86	-13	-41.86	-72.85	-59.33	5.98	12.60	V
	4945.44	-59.16	-13	-46.16	-79.79	-62.59	7.10	12.68	V
	5769.68	-59.02	-13	-46.02	-80.04	-62.17	7.60	12.90	V
Middle	1670.48	-46.01	-13	-33.01	-55.80	-49.26	4.00	9.40	H
	2505.72	-58.66	-13	-45.66	-72.16	-62.23	4.88	10.60	H
	3340.96	-58.19	-13	-45.19	-73.80	-63.12	5.52	12.60	H
	4176.2	-53.87	-13	-40.87	-72.73	-58.34	6.00	12.62	H
	5011.44	-56.74	-13	-43.74	-78.06	-60.15	7.14	12.70	H
	5846.68	-54.42	-13	-41.42	-77.16	-57.65	7.62	13.00	H
	1670.48	-44.87	-13	-31.87	-54.15	-48.12	4.00	9.40	V
	2505.72	-59.14	-13	-46.14	-72.47	-62.71	4.88	10.60	V
	3340.96	-59.09	-13	-46.09	-74.26	-64.02	5.52	12.60	V
	4176.2	-53.98	-13	-40.98	-71.84	-58.45	6.00	12.62	V
	5011.44	-59.52	-13	-46.52	-80.56	-62.93	7.14	12.70	V
	5846.68	-56.97	-13	-43.97	-78.46	-60.20	7.62	13.00	V
Highest	1692.48	-45.93	-13	-32.93	-56.07	-49.10	4.10	9.42	H
	2538.72	-61.42	-13	-48.42	-74.93	-65.00	4.90	10.63	H
	3384.96	-62.07	-13	-49.07	-77.14	-66.99	5.55	12.62	H
	1692.48	-45.88	-13	-32.88	-55.52	-49.05	4.10	9.42	V
	2538.72	-62.11	-13	-49.11	-75.36	-65.69	4.90	10.63	V
	3384.96	-62.35	-13	-49.35	-76.94	-67.27	5.55	12.62	V

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



LTE Band 5 / 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	1648.68	-41.11	-13	-28.11	-50.70	-44.34	3.98	9.36	H
	2473.02	-59.08	-13	-46.08	-72.59	-62.63	4.85	10.55	H
	3297.36	-59.76	-13	-46.76	-75.47	-64.69	5.50	12.58	H
	4121.7	-55.40	-13	-42.40	-74.31	-59.87	5.98	12.60	H
	1648.68	-40.12	-13	-27.12	-49.19	-43.35	3.98	9.36	V
	2473.02	-60.55	-13	-47.55	-73.86	-64.10	4.85	10.55	V
	3297.36	-60.34	-13	-47.34	-75.66	-65.27	5.50	12.58	V
	4121.7	-54.80	-13	-41.80	-72.79	-59.27	5.98	12.60	V
Middle	1668.68	-47.55	-13	-34.55	-57.34	-50.80	4.00	9.40	H
	2503.02	-59.27	-13	-46.27	-72.78	-62.84	4.88	10.60	H
	3337.36	-59.94	-13	-46.94	-75.59	-64.87	5.52	12.60	H
	4171.7	-54.53	-13	-41.53	-73.38	-59.00	6.00	12.62	H
	5006.04	-58.89	-13	-45.89	-80.21	-62.30	7.14	12.70	H
	5840.38	-55.64	-13	-42.64	-78.38	-58.87	7.62	13.00	H
	1668.68	-46.18	-13	-33.18	-55.46	-49.43	4.00	9.40	V
	2503.02	-59.89	-13	-46.89	-73.22	-63.46	4.88	10.60	V
	3337.36	-58.73	-13	-45.73	-73.96	-63.66	5.52	12.60	V
	4171.7	-52.93	-13	-39.93	-70.78	-57.40	6.00	12.62	V
	5006.04	-59.87	-13	-46.87	-80.91	-63.28	7.14	12.70	V
	5840.38	-57.70	-13	-44.70	-79.19	-60.93	7.62	13.00	V
Highest	1688.68	-42.67	-13	-29.67	-52.81	-45.84	4.10	9.42	H
	2533.02	-61.83	-13	-48.83	-75.34	-65.41	4.90	10.63	H
	3377.36	-61.48	-13	-48.48	-76.53	-66.40	5.55	12.62	H
	4221.7	-56.39	-13	-43.39	-75.26	-60.87	6.02	12.65	H
	1688.68	-42.35	-13	-29.35	-51.99	-45.52	4.10	9.42	V
	2533.02	-61.88	-13	-48.88	-75.18	-65.46	4.90	10.63	V
	3377.36	-60.81	-13	-47.81	-75.38	-65.73	5.55	12.62	V
	4221.7	-58.39	-13	-45.39	-76.27	-62.87	6.02	12.65	V

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



LTE Band 5 / 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)
Lowest	1649.18	-40.13	-13	-27.13	-49.72	-43.36	3.98	9.36	H
	2473.77	-58.92	-13	-45.92	-72.43	-62.47	4.85	10.55	H
	3298.36	-60.29	-13	-47.29	-76.00	-65.22	5.50	12.58	H
	4122.95	-56.08	-13	-43.08	-74.99	-60.55	5.98	12.60	H
	1649.18	-39.71	-13	-26.71	-48.78	-42.94	3.98	9.36	V
	2473.77	-60.21	-13	-47.21	-73.52	-63.76	4.85	10.55	V
	3298.36	-60.59	-13	-47.59	-75.91	-65.52	5.50	12.58	V
	4122.95	-55.59	-13	-42.59	-73.58	-60.06	5.98	12.60	V
Middle	1664.18	-52.64	-13	-39.64	-62.43	-55.89	4.00	9.40	H
	2496.27	-60.85	-13	-47.85	-74.36	-64.42	4.88	10.60	H
	3328.36	-60.35	-13	-47.35	-75.98	-65.28	5.52	12.60	H
	4160.45	-55.85	-13	-42.85	-74.73	-60.32	6.00	12.62	H
	1664.18	-51.76	-13	-38.76	-61.04	-55.01	4.00	9.40	V
	2496.27	-59.93	-13	-46.93	-73.26	-63.50	4.88	10.60	V
	3328.36	-61.29	-13	-48.29	-76.50	-66.22	5.52	12.60	V
	4160.45	-56.61	-13	-43.61	-74.51	-61.08	6.00	12.62	V
Highest	1679.18	-42.16	-13	-29.16	-52.15	-45.33	4.10	9.42	H
	2518.77	-57.30	-13	-44.30	-70.81	-60.88	4.90	10.63	H
	3358.36	-59.12	-13	-46.12	-74.45	-64.04	5.55	12.62	H
	4197.95	-52.05	-13	-39.05	-70.91	-56.53	6.02	12.65	H
	5037.54	-56.35	-13	-43.35	-77.72	-59.77	7.15	12.72	H
	5877.13	-54.87	-13	-41.87	-77.64	-58.10	7.64	13.02	H
	1679.18	-41.26	-13	-28.26	-50.74	-44.43	4.10	9.42	V
	2518.77	-58.42	-13	-45.42	-71.76	-62.00	4.90	10.63	V
	3358.36	-58.32	-13	-45.32	-73.18	-63.24	5.55	12.62	V
	4197.95	-53.27	-13	-40.27	-71.13	-57.75	6.02	12.65	V
	5037.54	-58.96	-13	-45.96	-79.91	-62.38	7.15	12.72	V
	5877.13	-58.39	-13	-45.39	-80.06	-61.62	7.64	13.02	V

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



LTE Band 12 / 1.4MHz / 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	1398.14	-50.12	-13	-37.12	-59.86	-53.35	3.98	9.36	H
	2097.21	-51.96	-13	-38.96	-66.03	-55.51	4.85	10.55	H
	2796.28	-56.99	-13	-43.99	-71.20	-61.92	5.50	12.58	H
	3495.35	-56.77	-13	-43.77	-72.94	-61.24	5.98	12.60	H
	4194.12	-54.38	-13	-41.38	-73.24	-57.81	7.10	12.68	H
	1398.14	-46.98	-13	-33.98	-56.41	-50.21	3.98	9.36	V
	2097.21	-48.82	-13	-35.82	-62.56	-52.37	4.85	10.55	V
	2796.28	-57.54	-13	-44.54	-71.42	-62.47	5.50	12.58	V
	3495.35	-57.55	-13	-44.55	-73.24	-62.02	5.98	12.60	V
	4194.12	-57.62	-13	-44.62	-75.48	-61.05	7.10	12.68	V
Middle	1413.74	-60.13	-13	-47.13	-70.00	-63.38	4.00	9.40	H
	2120.61	-58.29	-13	-45.29	-72.51	-61.86	4.88	10.60	H
	2827.48	-60.20	-13	-47.20	-74.48	-65.13	5.52	12.60	H
	1413.74	-58.12	-13	-45.12	-67.66	-61.37	4.00	9.40	V
	2120.61	-55.26	-13	-42.26	-69.17	-58.83	4.88	10.60	V
	2827.48	-61.23	-13	-48.23	-75.18	-66.16	5.52	12.60	V
Highest	1429.34	-50.22	-13	-37.22	-60.07	-53.39	4.10	9.42	H
	2144.01	-58.92	-13	-45.92	-73.27	-62.50	4.90	10.63	H
	2858.68	-59.54	-13	-46.54	-73.94	-64.46	5.55	12.62	H
	3573.35	-58.27	-13	-45.27	-75.30	-62.75	6.02	12.65	H
	4288.02	-58.29	-13	-45.29	-77.21	-61.71	7.15	12.72	H
	1429.34	-46.71	-13	-33.71	-56.22	-49.88	4.10	9.42	V
	2144.01	-56.37	-13	-43.37	-70.44	-59.95	4.90	10.63	V
	2858.68	-60.36	-13	-47.36	-74.40	-65.28	5.55	12.62	V
	3573.35	-57.76	-13	-44.76	-74.32	-62.24	6.02	12.65	V
	4288.02	-60.77	-13	-47.77	-78.70	-64.19	7.15	12.72	V

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



LTE Band 12 / 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	1398.3	-49.83	-13	-36.83	-59.57	-53.06	3.98	9.36	H
	2097.45	-51.63	-13	-38.63	-65.70	-55.18	4.85	10.55	H
	2796.6	-57.43	-13	-44.43	-71.64	-62.36	5.50	12.58	H
	3495.75	-56.93	-13	-43.93	-73.10	-61.40	5.98	12.60	H
	4194.9	-54.37	-13	-41.37	-73.23	-57.80	7.10	12.68	H
	1398.3	-46.74	-13	-33.74	-56.17	-49.97	3.98	9.36	V
	2097.45	-48.33	-13	-35.33	-62.07	-51.88	4.85	10.55	V
	2796.6	-57.99	-13	-44.99	-71.87	-62.92	5.50	12.58	V
	3495.75	-55.90	-13	-42.90	-71.59	-60.37	5.98	12.60	V
	4194.9	-57.92	-13	-44.92	-75.78	-61.35	7.10	12.68	V
Middle	1412.3	-60.72	-13	-47.72	-70.59	-63.97	4.00	9.40	H
	2118.45	-58.60	-13	-45.60	-72.82	-62.17	4.88	10.60	H
	2824.6	-60.69	-13	-47.69	-74.97	-65.62	5.52	12.60	H
	1412.3	-58.04	-13	-45.04	-67.58	-61.29	4.00	9.40	V
	2118.45	-56.97	-13	-43.97	-70.88	-60.54	4.88	10.60	V
	2824.6	-61.32	-13	-48.32	-75.27	-66.25	5.52	12.60	V
Highest	1426.3	-48.67	-13	-35.67	-58.52	-51.84	4.10	9.42	H
	2139.45	-54.43	-13	-41.43	-68.78	-58.01	4.90	10.63	H
	2852.6	-57.22	-13	-44.22	-71.62	-62.14	5.55	12.62	H
	3565.75	-56.79	-13	-43.79	-73.82	-61.27	6.02	12.65	H
	4278.9	-56.35	-13	-43.35	-75.27	-59.77	7.15	12.72	H
	1426.3	-44.82	-13	-31.82	-54.33	-47.99	4.10	9.42	V
	2139.45	-50.53	-13	-37.53	-64.60	-54.11	4.90	10.63	V
	2852.6	-59.15	-13	-46.15	-73.19	-64.07	5.55	12.62	V
	3565.75	-55.84	-13	-42.84	-72.40	-60.32	6.02	12.65	V
	4278.9	-58.85	-13	-45.85	-76.78	-62.27	7.15	12.72	V

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



LTE Band 12 / 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	1398.5	-50.47	-13	-37.47	-60.21	-53.70	3.98	9.36	H
	2097.75	-51.34	-13	-38.34	-65.41	-54.89	4.85	10.55	H
	2797	-56.89	-13	-43.89	-71.10	-61.82	5.50	12.58	H
	3496.25	-57.22	-13	-44.22	-73.39	-61.69	5.98	12.60	H
	4195.5	-55.31	-13	-42.31	-74.17	-58.74	7.10	12.68	H
	1398.5	-47.67	-13	-34.67	-57.10	-50.90	3.98	9.36	V
	2097.75	-49.41	-13	-36.41	-63.15	-52.96	4.85	10.55	V
	2797	-57.09	-13	-44.09	-70.97	-62.02	5.50	12.58	V
	3496.25	-57.06	-13	-44.06	-72.75	-61.53	5.98	12.60	V
	4195.5	-57.47	-13	-44.47	-75.33	-60.90	7.10	12.68	V
Middle	1410.5	-55.56	-13	-42.56	-65.43	-58.81	4.00	9.40	H
	2115.75	-58.16	-13	-45.16	-72.38	-61.73	4.88	10.60	H
	2821	-60.75	-13	-47.75	-75.02	-65.68	5.52	12.60	H
	1410.5	-51.54	-13	-38.54	-61.08	-54.79	4.00	9.40	V
	2115.75	-56.26	-13	-43.26	-70.17	-59.83	4.88	10.60	V
	2821	-61.32	-13	-48.32	-75.26	-66.25	5.52	12.60	V
Highest	1422.5	-51.67	-13	-38.67	-61.52	-54.84	4.10	9.42	H
	2133.75	-51.84	-13	-38.84	-66.18	-55.42	4.90	10.63	H
	2845	-56.00	-13	-43.00	-70.39	-60.92	5.55	12.62	H
	3556.25	-56.28	-13	-43.28	-73.10	-60.76	6.02	12.65	H
	4267.5	-56.36	-13	-43.36	-75.27	-59.78	7.15	12.72	H
	1422.5	-48.23	-13	-35.23	-57.74	-51.40	4.10	9.42	V
	2133.75	-47.78	-13	-34.78	-61.84	-51.36	4.90	10.63	V
	2845	-58.98	-13	-45.98	-73.01	-63.90	5.55	12.62	V
	3556.25	-54.69	-13	-41.69	-71.04	-59.17	6.02	12.65	V
	4267.5	-59.43	-13	-46.43	-77.34	-62.85	7.15	12.72	V

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



LTE Band 12 / 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)
Lowest	1399	-49.77	-13	-36.77	-59.51	-53.00	3.98	9.36	H
	2098.5	-51.64	-13	-38.64	-65.71	-55.19	4.85	10.55	H
	2798	-57.29	-13	-44.29	-71.51	-62.22	5.50	12.58	H
	3497.5	-57.09	-13	-44.09	-73.26	-61.56	5.98	12.60	H
	4197	-53.96	-13	-40.96	-72.82	-57.39	7.10	12.68	H
	1399	-47.01	-13	-34.01	-56.44	-50.24	3.98	9.36	V
	2098.5	-48.71	-13	-35.71	-62.45	-52.26	4.85	10.55	V
	2798	-57.88	-13	-44.88	-71.77	-62.81	5.50	12.58	V
	3496	-56.42	-13	-43.42	-72.11	-60.89	5.98	12.60	V
	4197	-56.97	-13	-43.97	-74.83	-60.40	7.10	12.68	V
Middle	1406	-52.17	-13	-39.17	-62.04	-55.42	4.00	9.40	H
	2109	-56.03	-13	-43.03	-70.10	-59.60	4.88	10.60	H
	2812	-59.24	-13	-46.24	-73.51	-64.17	5.52	12.60	H
	1406	-49.06	-13	-36.06	-58.60	-52.31	4.00	9.40	V
	2109	-51.66	-13	-38.66	-65.40	-55.23	4.88	10.60	V
	2812	-60.75	-13	-47.75	-74.69	-65.68	5.52	12.60	V
Highest	1413	-60.36	-13	-47.36	-70.23	-63.53	4.10	9.42	H
	2119.5	-58.66	-13	-45.66	-72.88	-62.24	4.90	10.63	H
	2826	-60.08	-13	-47.08	-74.36	-65.00	5.55	12.62	H
	1413	-58.24	-13	-45.24	-67.78	-61.41	4.10	9.42	V
	2119.5	-56.35	-13	-43.35	-70.26	-59.93	4.90	10.63	V
	2826	-61.61	-13	-48.61	-75.56	-66.53	5.55	12.62	V

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



LTE Band 13 / 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	1554.5	-51.56	-13	-38.56	-60.79	-54.79	3.98	9.36	H
	2331.75	-61.10	-13	-48.10	-75.12	-64.65	4.85	10.55	H
	3109	-60.17	-13	-47.17	-75.65	-65.10	5.50	12.58	H
	1554.5	-44.75	-13	-31.75	-53.49	-47.98	3.98	9.36	V
	2331.75	-61.16	-13	-48.16	-74.94	-64.71	4.85	10.55	V
	3109	-61.00	-13	-48.00	-76.12	-65.93	5.50	12.58	V
Middle	1559.5	-54.49	-42.15	-12.34	-63.72	-57.74	4.00	9.40	H
	2339.25	-61.56	-13	-48.56	-75.47	-65.13	4.88	10.60	H
	3119	-60.37	-13	-47.37	-75.93	-65.30	5.52	12.60	H
	1559.5	-48.14	-42.15	-5.99	-56.88	-51.39	4.00	9.40	V
	2339.25	-61.77	-13	-48.77	-75.43	-65.34	4.88	10.60	V
	3119	-60.74	-13	-47.74	-75.95	-65.67	5.52	12.60	V
Highest	1564.5	-61.02	-42.15	-18.87	-70.25	-64.19	4.10	9.42	H
	2346.75	-61.76	-13	-48.76	-75.67	-65.34	4.90	10.63	H
	3129	-60.50	-13	-47.50	-76.06	-65.42	5.55	12.62	H
	1564.5	-56.72	-42.15	-14.57	-65.46	-59.89	4.10	9.42	V
	2346.75	-61.58	-13	-48.58	-75.24	-65.16	4.90	10.63	V
	3129	-61.00	-13	-48.00	-76.21	-65.92	5.55	12.62	V

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

LTE Band 13 / 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	1559.5	-57.84	-42.15	-15.69	-67.07	-61.09	4.00	9.40	H
	2339.25	-61.34	-13	-48.34	-75.25	-64.91	4.88	10.60	H
	3119	-60.73	-13	-47.73	-76.29	-65.66	5.52	12.60	H
	1559.5	-52.52	-42.15	-10.37	-61.26	-55.77	4.00	9.40	V
	2339.25	-61.53	-13	-48.53	-75.19	-65.10	4.88	10.60	V
	3119	-60.89	-13	-47.89	-76.10	-65.82	5.52	12.60	V

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



LTE Band 17 / 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	1408.68	-54.59	-13	-41.59	-64.46	-57.82	3.98	9.36	H
	2113.02	-57.40	-13	-44.40	-71.49	-60.95	4.85	10.55	H
	2817.36	-60.81	-13	-47.81	-75.08	-65.74	5.50	12.58	H
	1408.68	-50.90	-13	-37.90	-60.44	-54.13	3.98	9.36	V
	2113.02	-55.00	-13	-42.00	-68.76	-58.55	4.85	10.55	V
	2817.36	-61.45	-13	-48.45	-75.39	-66.38	5.50	12.58	V
Middle	1415.68	-59.25	-13	-46.25	-69.12	-62.50	4.00	9.40	H
	2123.58	-55.46	-13	-42.46	-69.68	-59.03	4.88	10.60	H
	2831.36	-59.75	-13	-46.75	-74.09	-64.68	5.52	12.60	H
	3539.2	-58.37	-13	-45.37	-74.97	-62.84	6.00	12.62	H
	4247.04	-58.42	-13	-45.42	-77.31	-61.83	7.14	12.70	H
	1415.68	-57.43	-13	-44.43	-66.97	-60.68	4.00	9.40	V
	2123.58	-53.10	-13	-40.10	-67.01	-56.67	4.88	10.60	V
	2831.36	-60.24	-13	-47.24	-74.23	-65.17	5.52	12.60	V
	3539.2	-58.29	-13	-45.29	-74.41	-62.76	6.00	12.62	V
	4247.04	-59.97	-13	-46.97	-77.86	-63.38	7.14	12.70	V
Highest	1422.68	-53.03	-13	-40.03	-62.88	-56.20	4.10	9.42	H
	2134.02	-50.93	-13	-37.93	-65.27	-54.51	4.90	10.63	H
	2845.36	-56.57	-13	-43.57	-70.96	-61.49	5.55	12.62	H
	3556.7	-55.55	-13	-42.55	-72.37	-60.03	6.02	12.65	H
	4268.04	-56.77	-13	-43.77	-75.68	-60.19	7.15	12.72	H
	4979.38	-56.92	-13	-43.92	-78.16	-60.15	7.64	13.02	H
	1422.68	-49.28	-13	-36.28	-58.79	-52.45	4.10	9.42	V
	2134.02	-49.08	-13	-36.08	-63.14	-52.66	4.90	10.63	V
	2845.36	-58.69	-13	-45.69	-72.72	-63.61	5.55	12.62	V
	3556.7	-55.72	-13	-42.72	-72.07	-60.20	6.02	12.65	V
	4268.04	-58.94	-13	-45.94	-76.85	-62.36	7.15	12.72	V
	4979.38	-58.26	-13	-45.26	-79.20	-61.49	7.64	13.02	V

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



LTE Band 17 / 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)
Lowest	1409.18	-54.86	-13	-41.86	-64.73	-58.09	3.98	9.36	H
	2113.77	-57.42	-13	-44.42	-71.64	-60.97	4.85	10.55	H
	2818.36	-60.73	-13	-47.73	-75.00	-65.66	5.50	12.58	H
	1409.18	-50.96	-13	-37.96	-60.50	-54.19	3.98	9.36	V
	2113.77	-55.57	-13	-42.57	-69.48	-59.12	4.85	10.55	V
	2818.36	-61.39	-13	-48.39	-75.33	-66.32	5.50	12.58	V
Middle	1411.18	-57.06	-13	-44.06	-66.93	-60.31	4.00	9.40	H
	2116.77	-57.92	-13	-44.92	-72.14	-61.49	4.88	10.60	H
	2822.36	-61.26	-13	-48.26	-75.53	-66.19	5.52	12.60	H
	1411.18	-54.34	-13	-41.34	-63.88	-57.59	4.00	9.40	V
	2116.77	-56.29	-13	-43.29	-70.20	-59.86	4.88	10.60	V
	2822.36	-61.42	-13	-48.42	-75.36	-66.35	5.52	12.60	V
Highest	1413.18	-61.56	-13	-48.56	-71.43	-64.73	4.10	9.42	H
	2119.77	-58.68	-13	-45.68	-72.90	-62.26	4.90	10.63	H
	2826.36	-61.08	-13	-48.08	-75.36	-66.00	5.55	12.62	H
	3532.95	-58.95	-13	-45.95	-75.55	-63.43	6.02	12.65	H
	1413.18	-60.66	-13	-47.66	-70.20	-63.83	4.10	9.42	V
	2119.77	-57.63	-13	-44.63	-71.54	-61.21	4.90	10.63	V
	2826.36	-61.24	-13	-48.24	-75.19	-66.16	5.55	12.62	V
	3532.95	-60.27	-13	-47.27	-76.39	-64.75	6.02	12.65	V

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