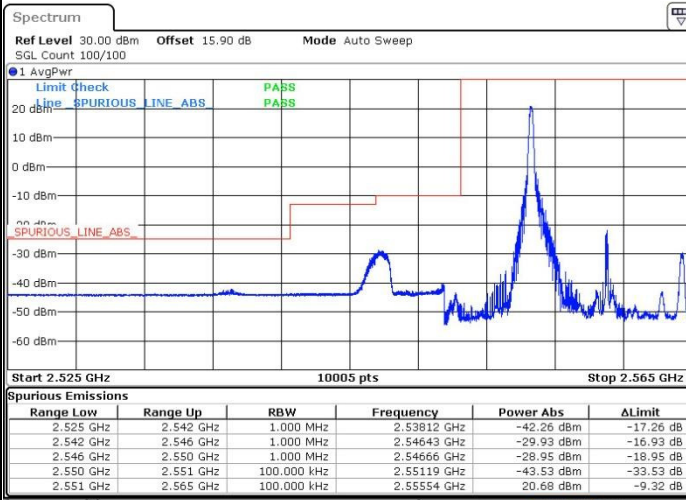




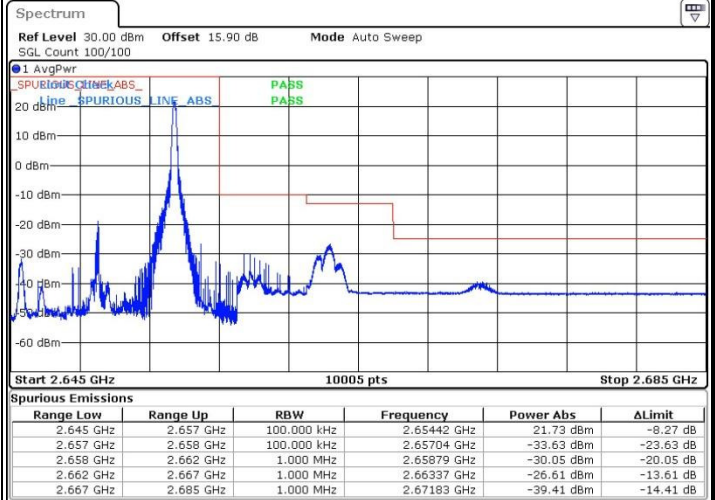
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



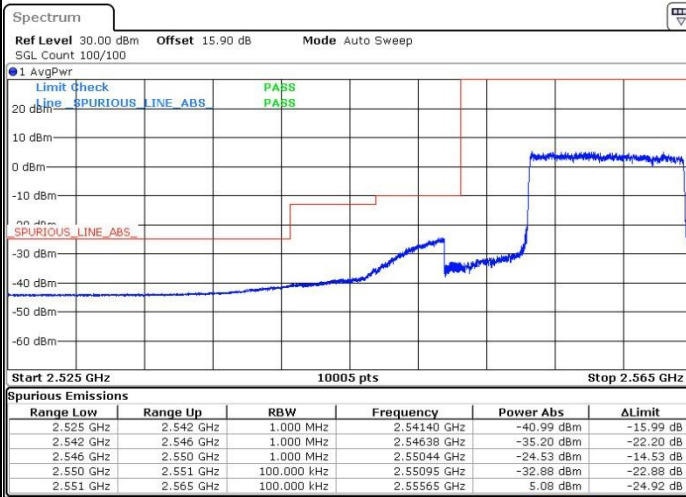
Date: 10.FEB.2016 11:21:30



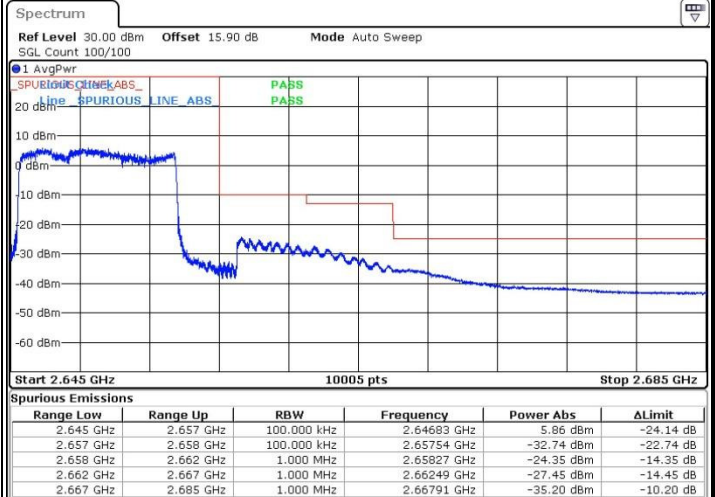
Date: 10.FEB.2016 11:29:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.FEB.2016 11:23:50

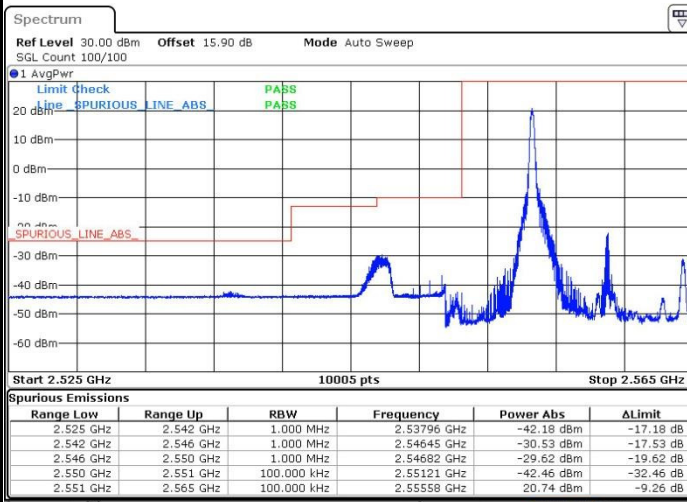


Date: 10.FEB.2016 12:38:35



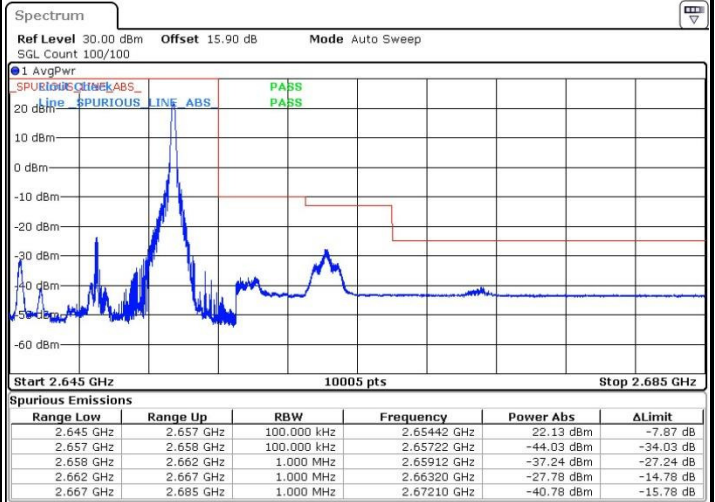
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



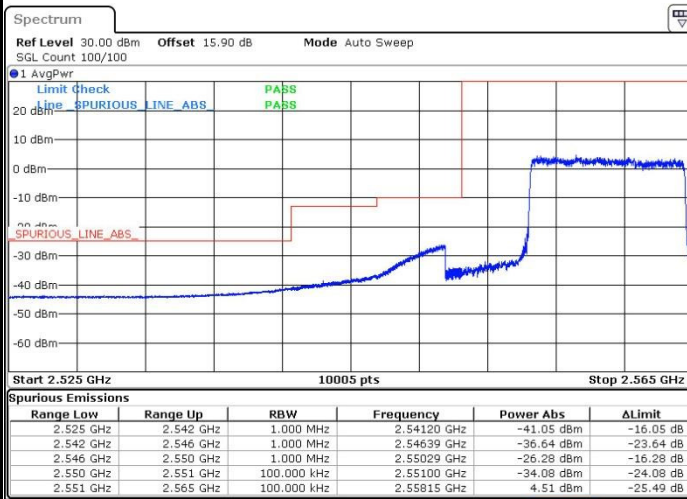
Date: 10.FEB.2016 11:22:40

Highest Band Edge / 1 RB



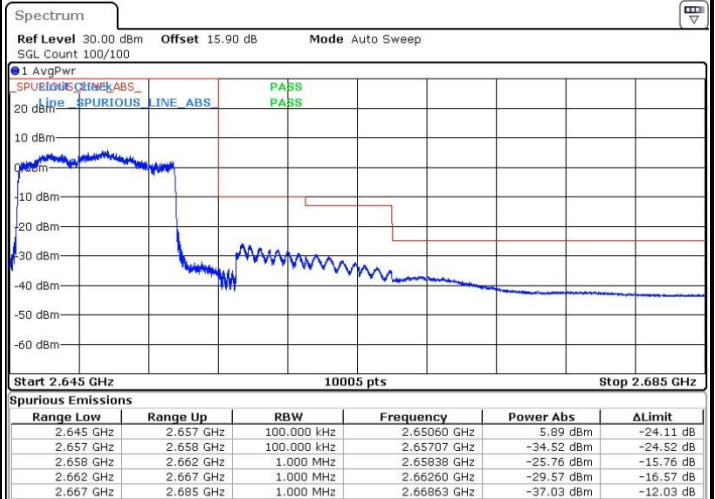
Date: 10.FEB.2016 11:30:58

Lowest Band Edge / Full RB



Date: 10.FEB.2016 11:25:00

Highest Band Edge / Full RB

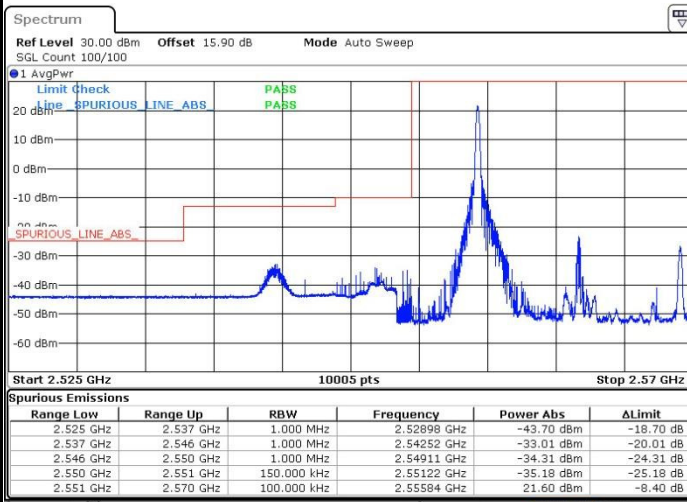


Date: 10.FEB.2016 12:39:27



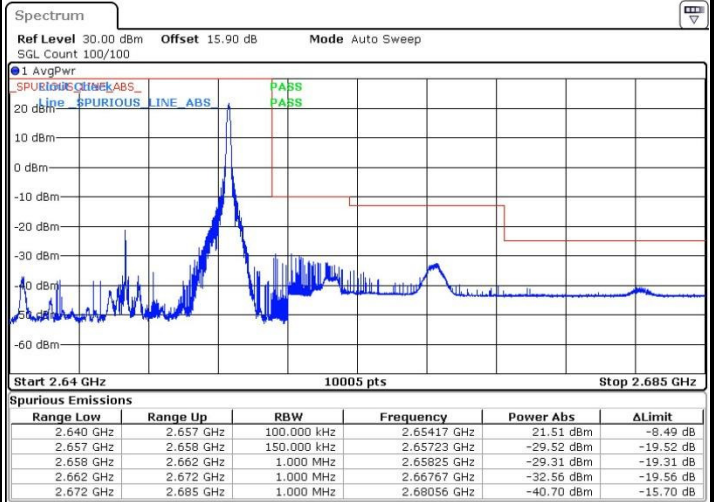
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



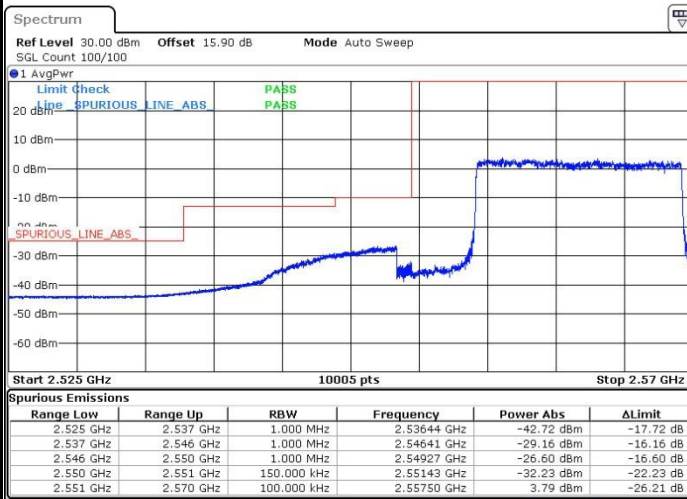
Date: 10.FEB.2016 11:36:16

Highest Band Edge / 1 RB



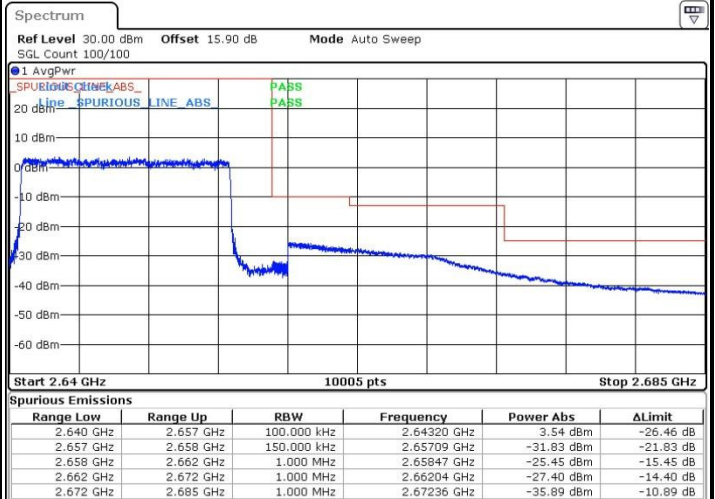
Date: 10.FEB.2016 11:44:35

Lowest Band Edge / Full RB



Date: 10.FEB.2016 11:38:36

Highest Band Edge / Full RB

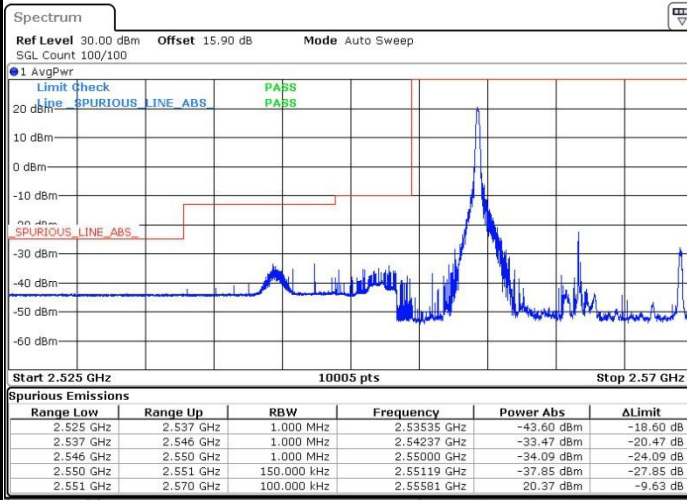


Date: 10.FEB.2016 11:46:54



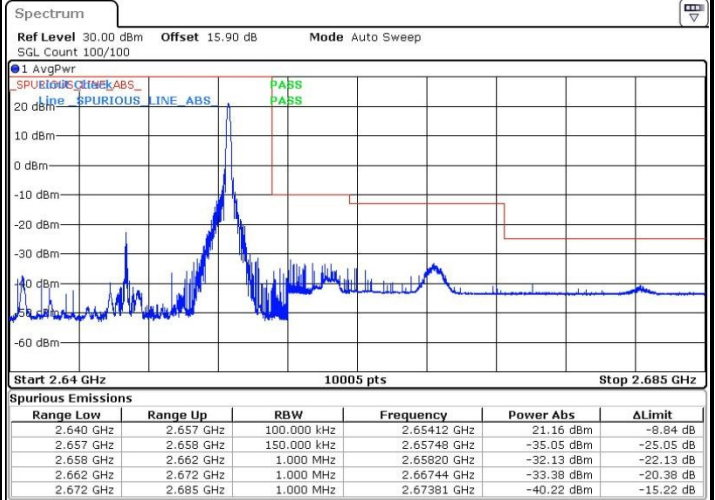
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



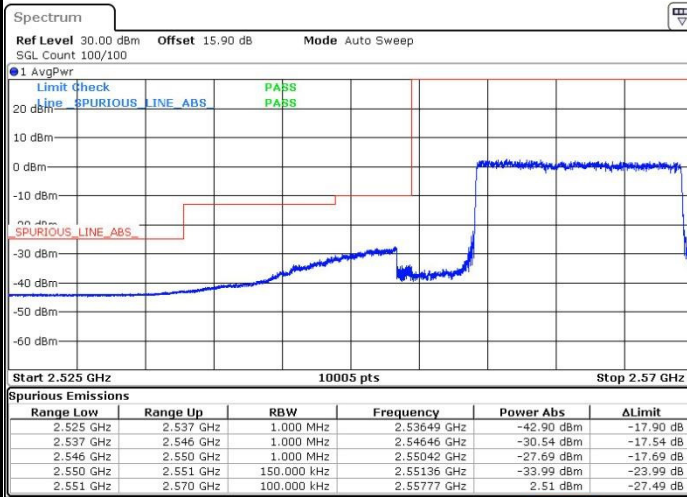
Date: 10.FEB.2016 11:37:26

Highest Band Edge / 1 RB



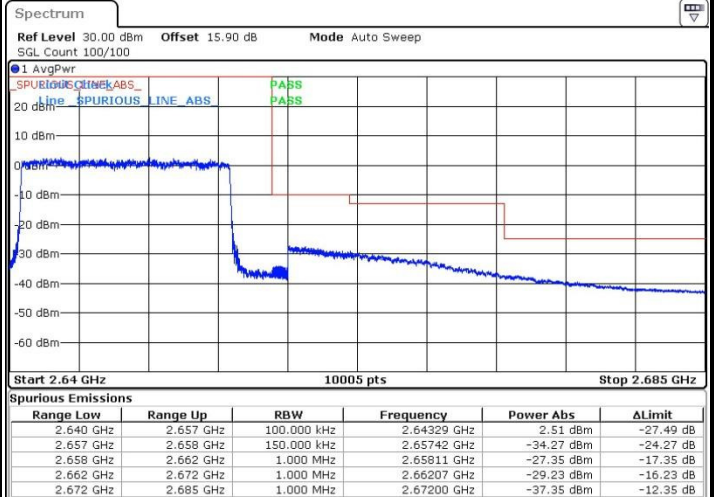
Date: 10.FEB.2016 11:45:44

Lowest Band Edge / Full RB



Date: 10.FEB.2016 11:39:46

Highest Band Edge / Full RB

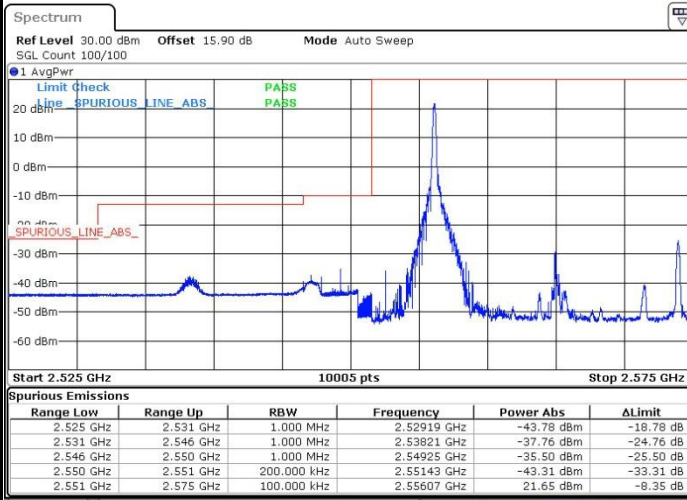


Date: 10.FEB.2016 11:48:04



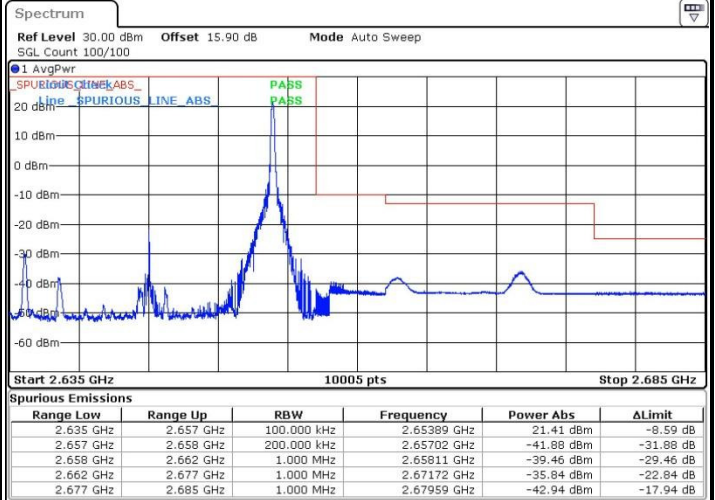
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



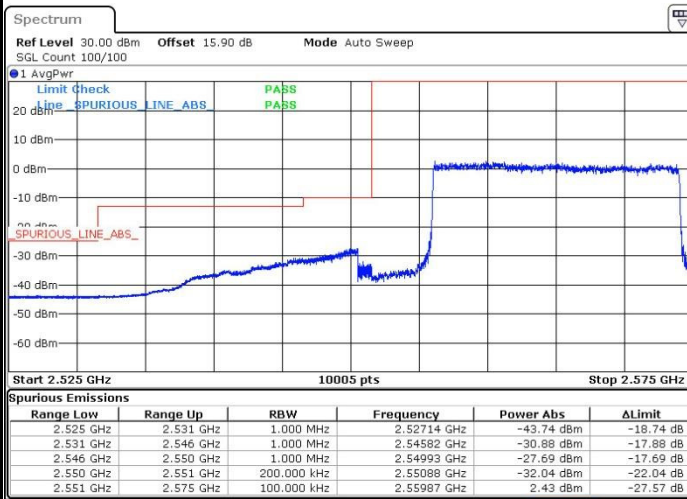
Date: 10.FEB.2016 11:51:03

Highest Band Edge / 1 RB



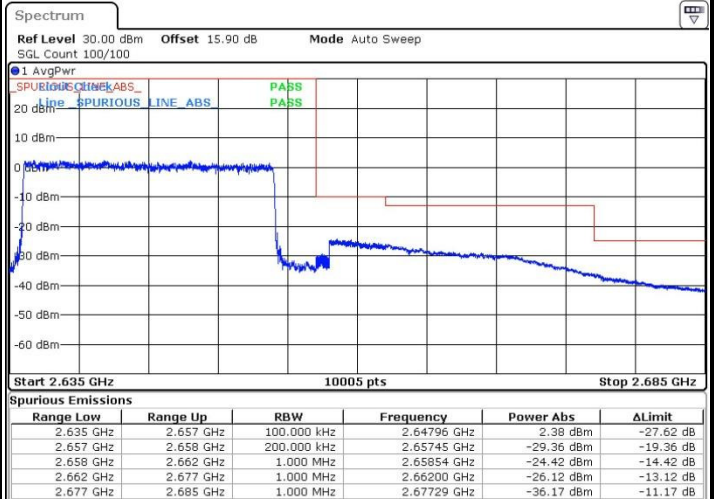
Date: 10.FEB.2016 11:59:22

Lowest Band Edge / Full RB



Date: 10.FEB.2016 11:53:23

Highest Band Edge / Full RB

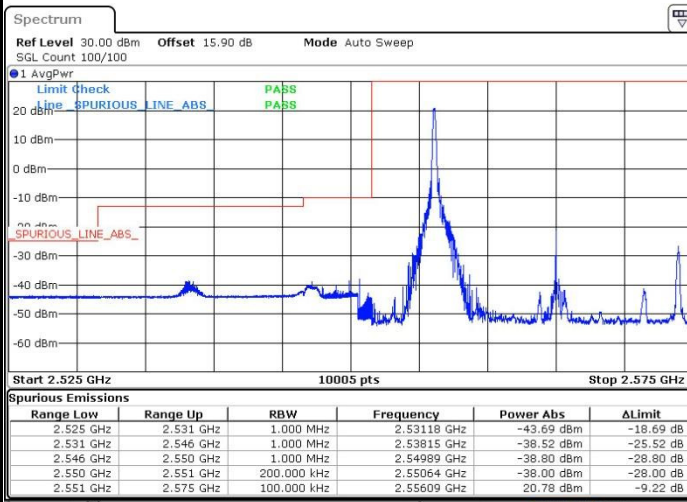


Date: 10.FEB.2016 12:02:51



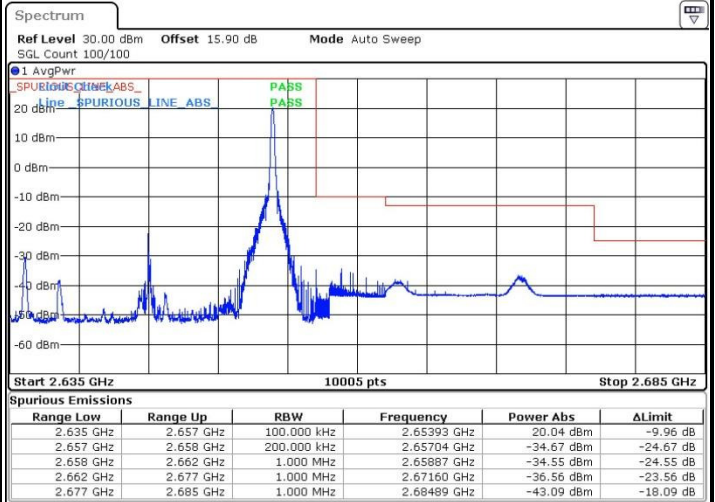
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



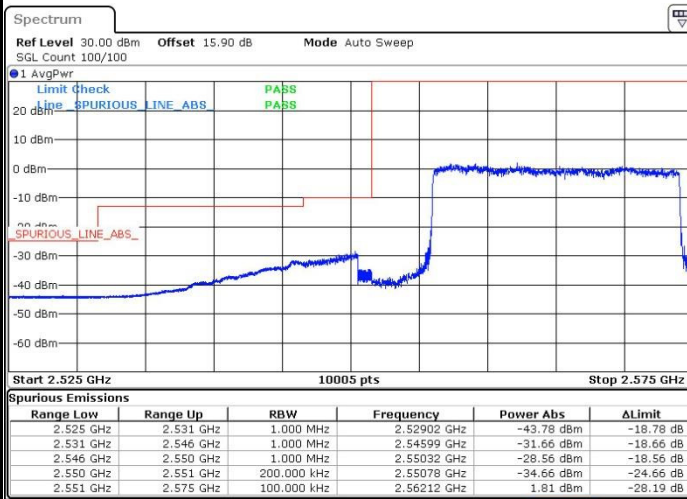
Date: 10.FEB.2016 11:52:13

Highest Band Edge / 1 RB



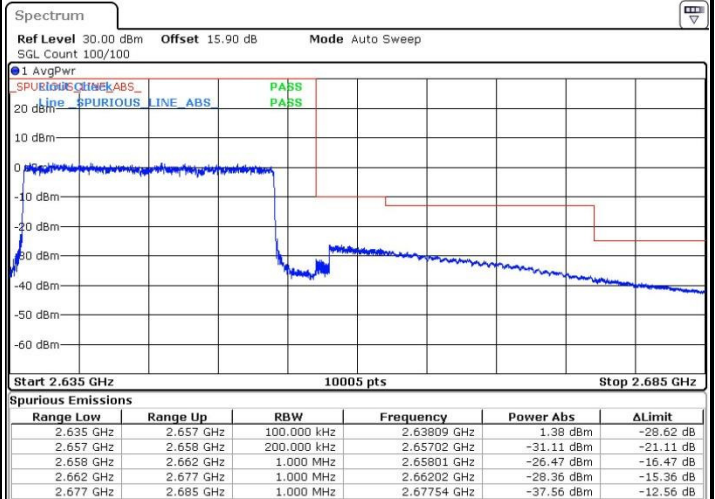
Date: 10.FEB.2016 12:00:32

Lowest Band Edge / Full RB



Date: 10.FEB.2016 11:54:33

Highest Band Edge / Full RB



Date: 10.FEB.2016 12:01:41



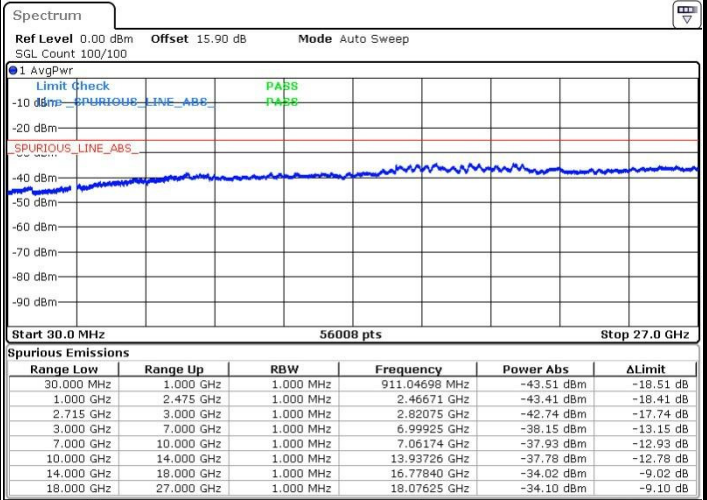
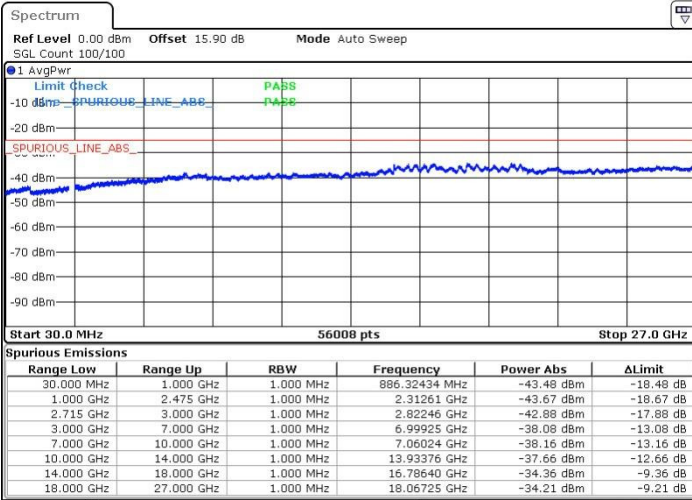
**Conducted Spurious Emission**



LTE Band 41 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

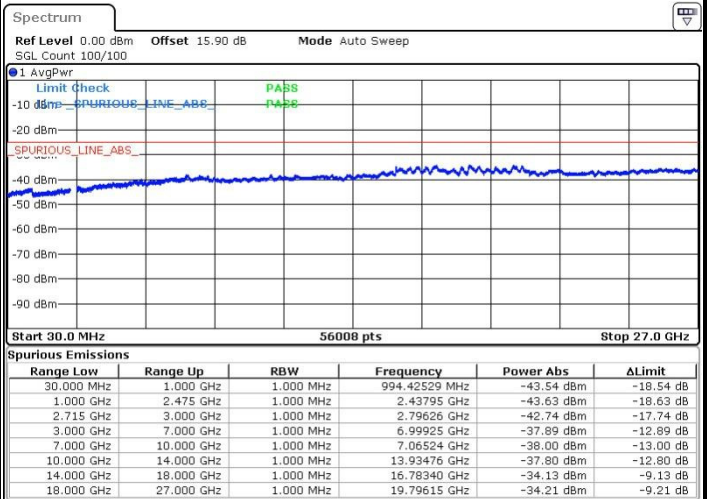
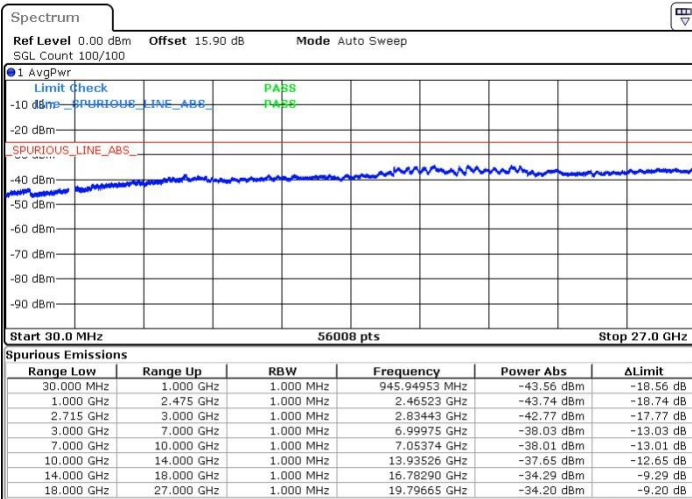


Date: 10.FEB.2016 11:11:08

Date: 10.FEB.2016 11:12:02

Middle Channel / QPSK

Middle Channel / 16QAM



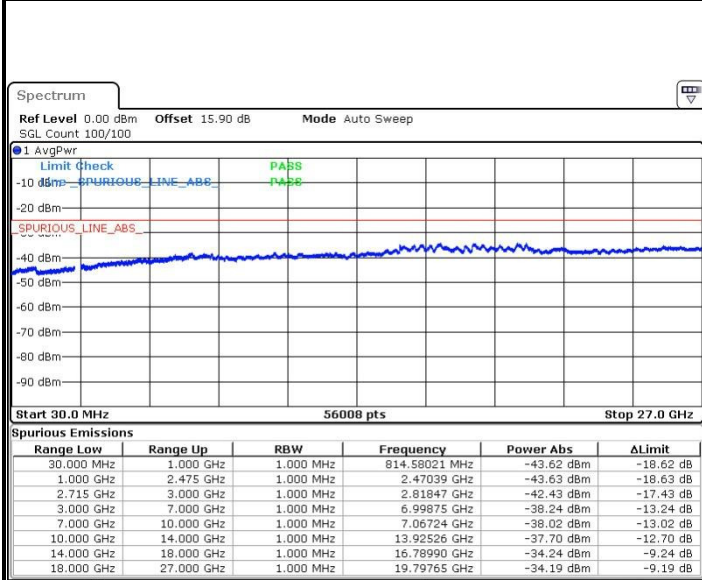
Date: 10.FEB.2016 11:12:57

Date: 10.FEB.2016 11:13:52



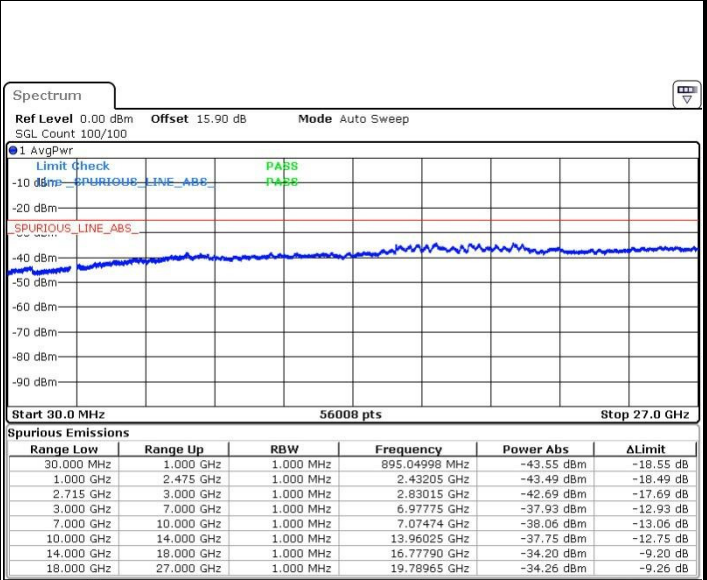
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 10.FEB.2016 11:19:25

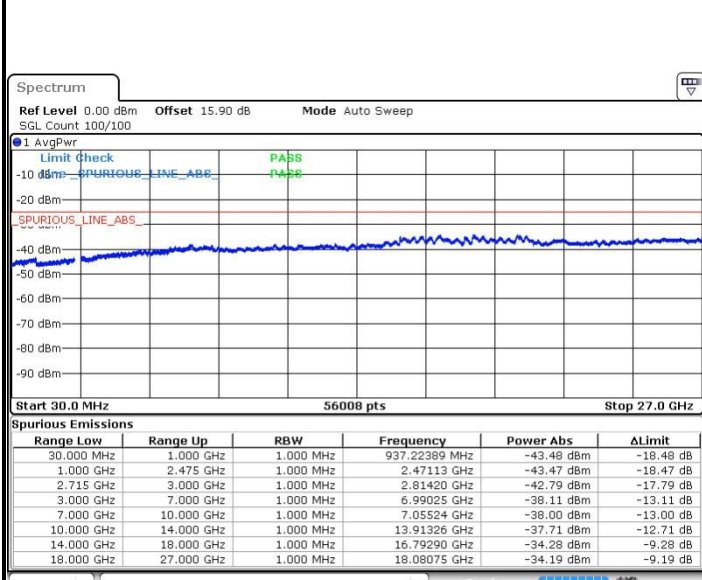
Highest Channel / 16QAM



Date: 10.FEB.2016 11:20:20

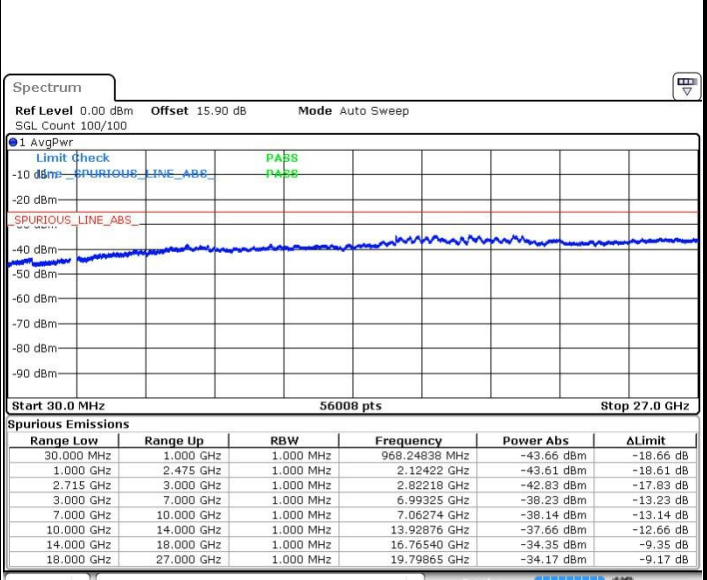
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 10.FEB.2016 11:25:55

Lowest Channel / 16QAM



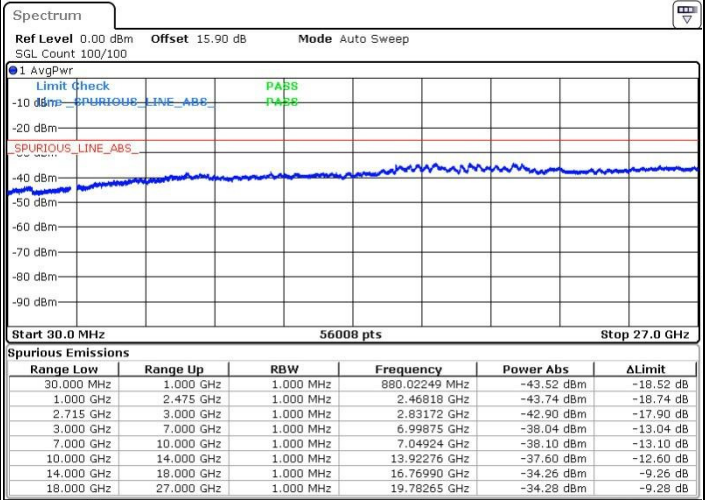
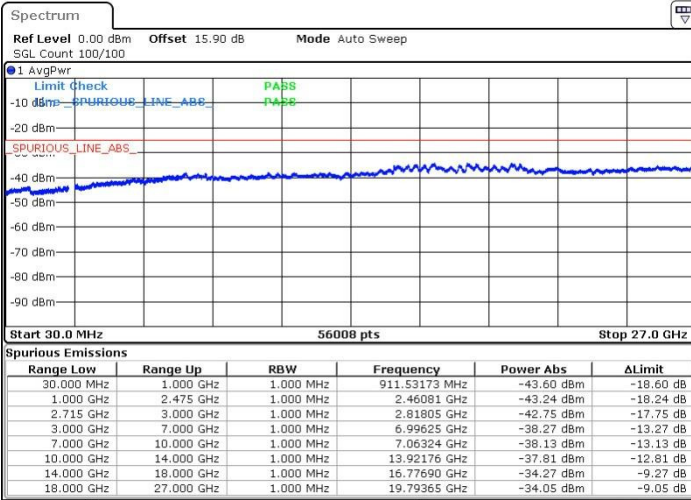
Date: 10.FEB.2016 11:26:50



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

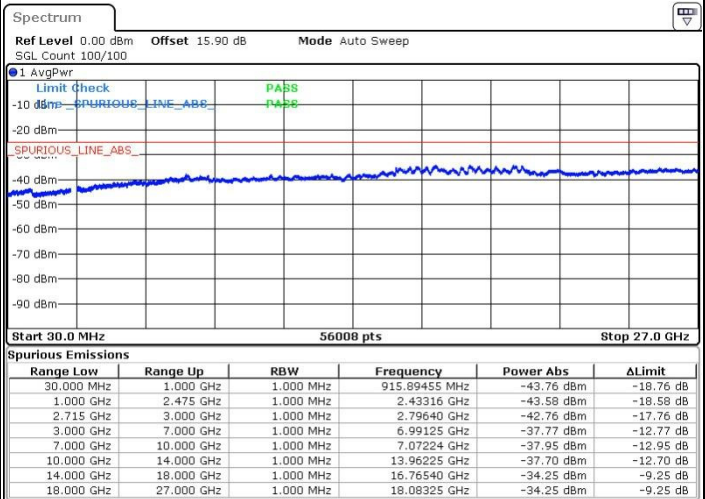
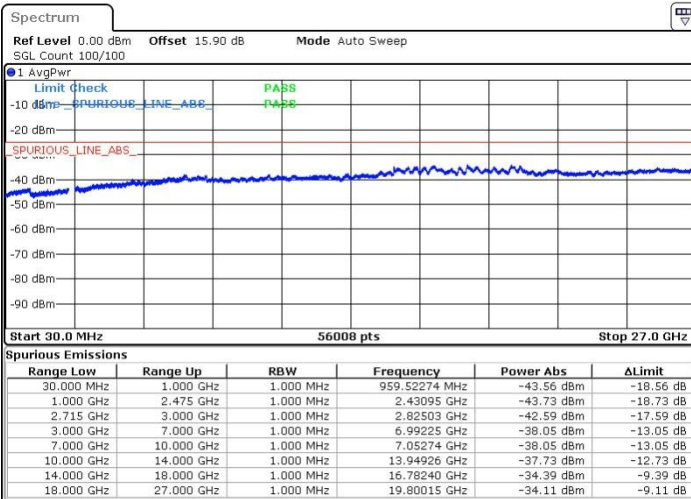


Date: 10.FEB.2016 11:27:44

Date: 10.FEB.2016 11:28:39

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.FEB.2016 11:34:12

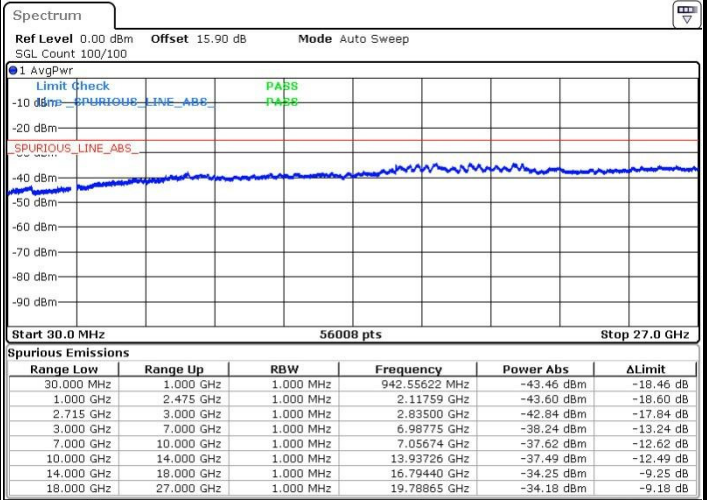
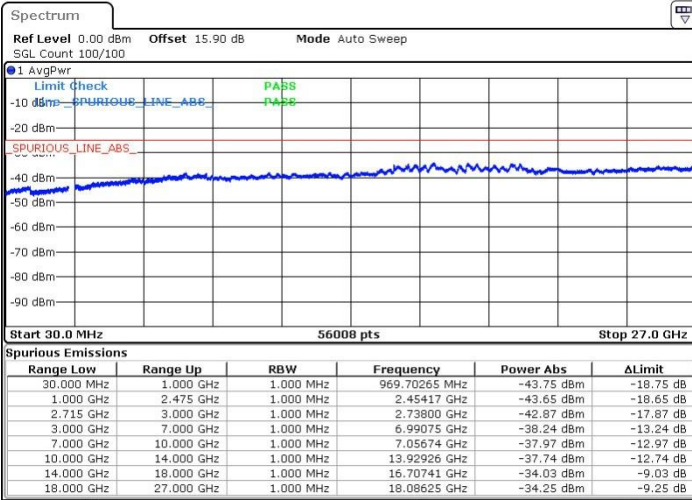
Date: 10.FEB.2016 11:35:07



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

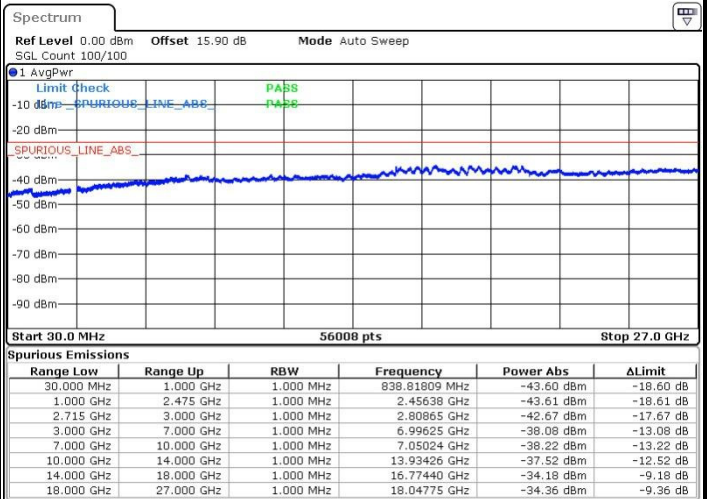
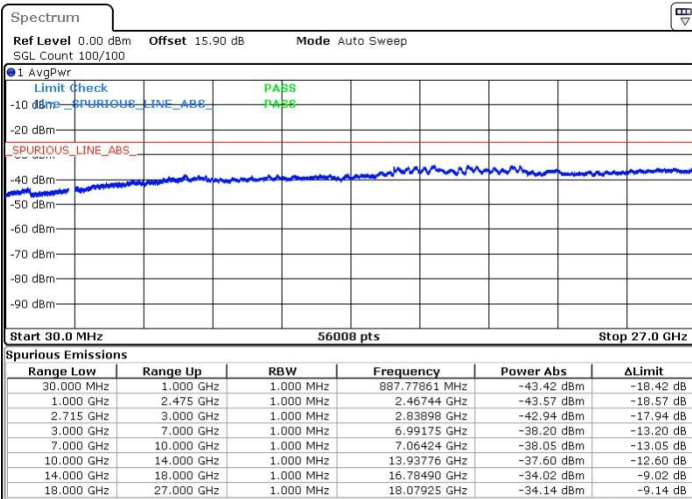


Date: 10.FEB.2016 11:40:41

Date: 10.FEB.2016 11:41:36

Middle Channel / QPSK

Middle Channel / 16QAM



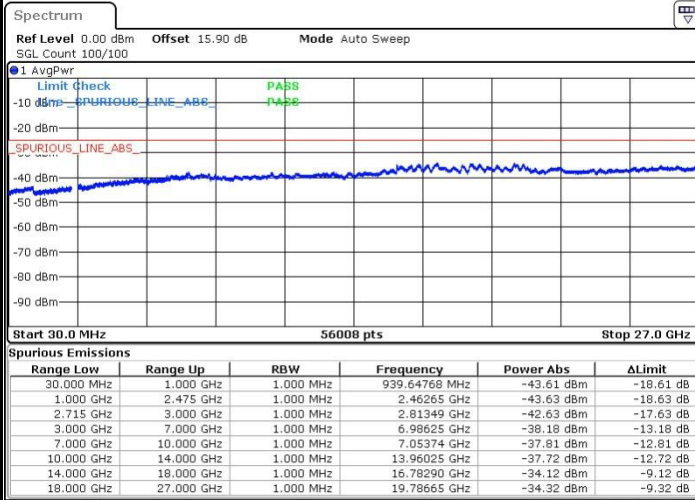
Date: 10.FEB.2016 11:42:31

Date: 10.FEB.2016 11:43:26



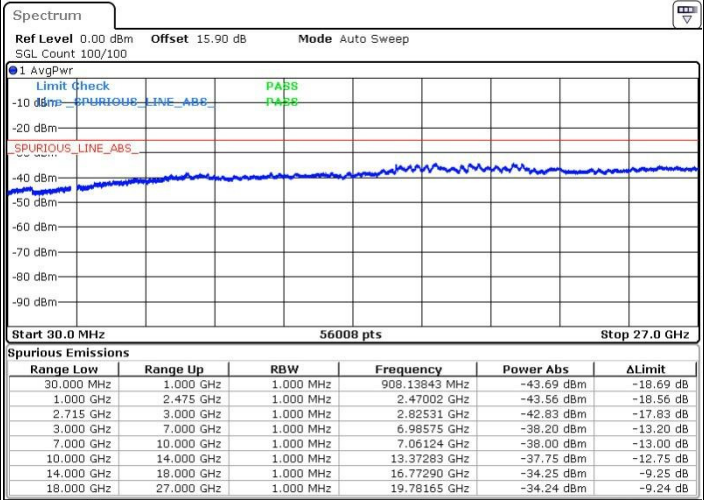
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 10.FEB.2016 11:48:59

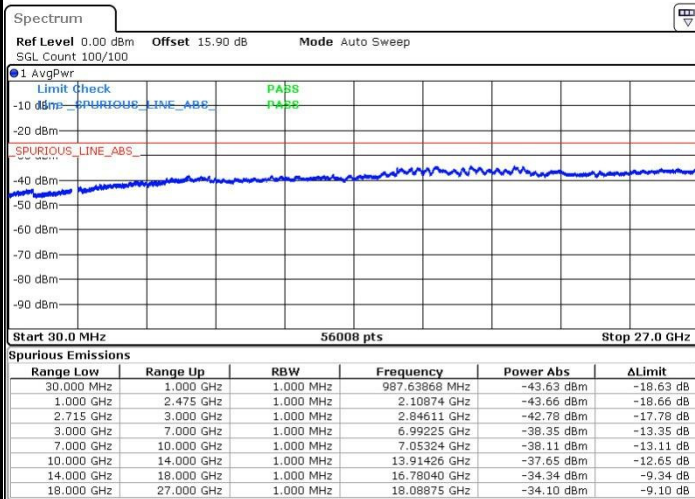
Highest Channel / 16QAM



Date: 10.FEB.2016 11:49:53

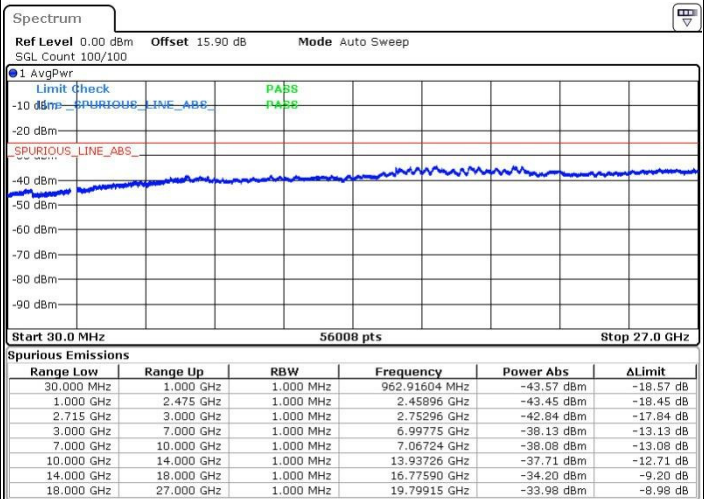
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 10.FEB.2016 11:55:28

Lowest Channel / 16QAM



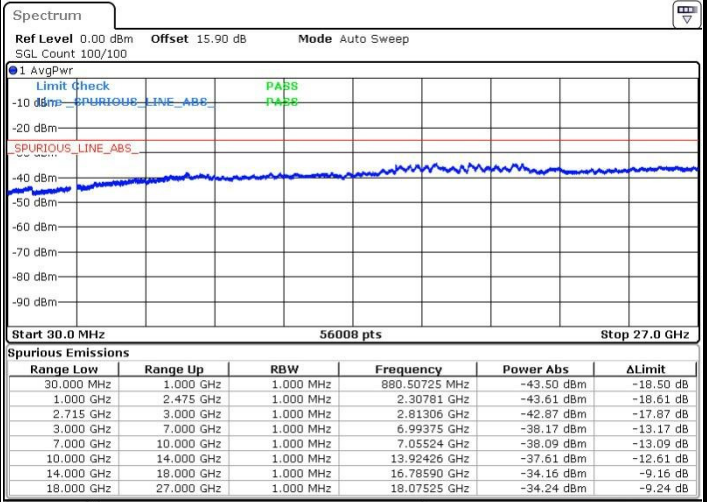
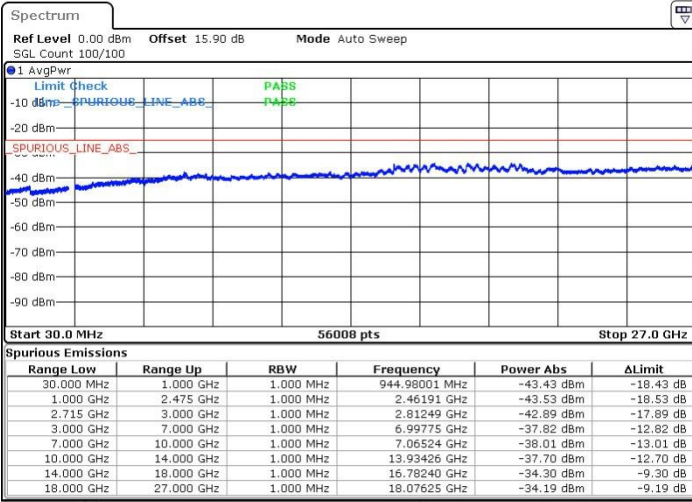
Date: 10.FEB.2016 11:56:23



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

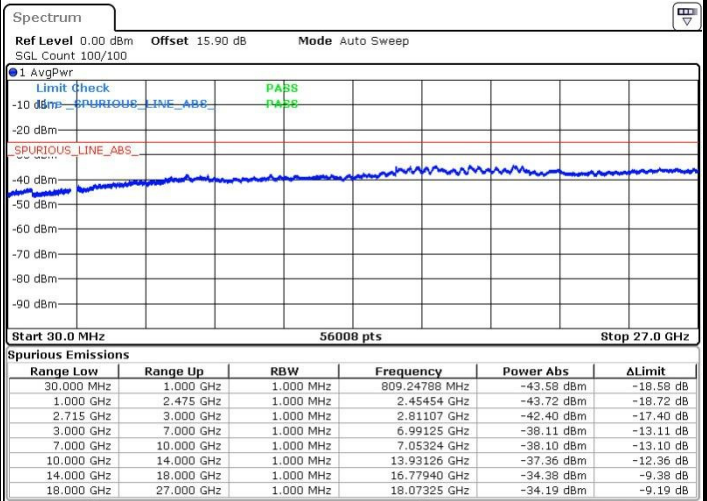
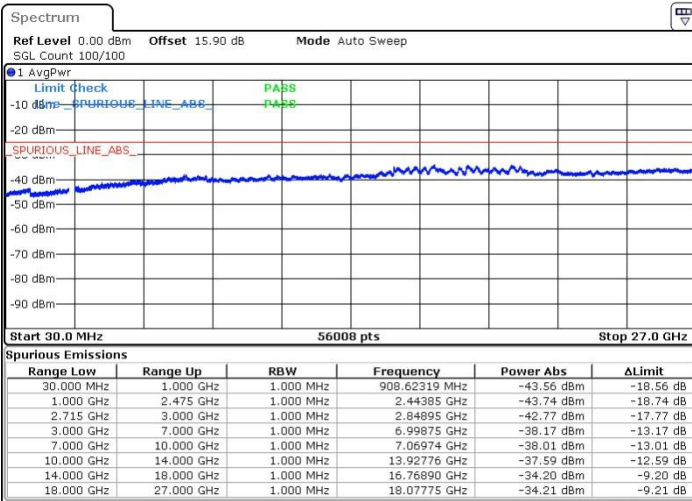


Date: 10.FEB.2016 11:57:18

Date: 10.FEB.2016 11:58:13

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.FEB.2016 12:03:46

Date: 10.FEB.2016 12:04:41



### Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0073	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0064	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

**Note:**

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.1 V
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

**ERP/EIRP**



LTE Band 5 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	9.82	0.0096	17.46	0.0557
Middle		1	0	10.49	0.0112	17.87	0.0612
Highest		1	0	11.02	0.0126	18.28	0.0673
Lowest	16QAM	1	0	9.21	0.0083	16.85	0.0484
Middle		1	0	9.79	0.0095	17.19	0.0524
Highest		1	0	10.30	0.0107	17.58	0.0573
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	9.95	0.0099	17.66	0.0583
Middle		1	0	10.57	0.0114	18.00	0.0631
Highest		1	0	11.12	0.0129	18.40	0.0692
Lowest	16QAM	1	0	9.25	0.0084	16.96	0.0497
Middle		1	0	9.79	0.0095	17.23	0.0528
Highest		1	0	10.39	0.0109	17.70	0.0589
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	10.04	0.0101	17.69	0.0587
Middle		1	0	10.58	0.0114	18.00	0.0631
Highest		1	0	11.12	0.0129	18.37	0.0687
Lowest	16QAM	1	0	9.32	0.0086	16.97	0.0498
Middle		1	0	9.82	0.0096	17.23	0.0528
Highest		1	0	10.45	0.0111	17.72	0.0592
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	10.17	0.0104	17.81	0.0604
Middle		1	0	10.64	0.0116	18.12	0.0649
Highest		1	0	10.98	0.0125	18.48	0.0705
Lowest	16QAM	1	0	9.49	0.0089	17.13	0.0516
Middle		1	0	9.88	0.0097	17.43	0.0553
Highest		1	0	10.19	0.0104	17.82	0.0605
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.95	0.0495	17.56	0.0570
Middle		1	0	17.45	0.0556	18.06	0.0640
Highest		1	0	18.42	0.0695	18.70	0.0741
Lowest	16QAM	1	0	16.18	0.0415	16.76	0.0474
Middle		1	0	16.64	0.0461	17.18	0.0522
Highest		1	0	17.59	0.0574	17.88	0.0614
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.97	0.0498	17.61	0.0577
Middle		1	0	17.41	0.0551	18.02	0.0634
Highest		1	0	18.21	0.0662	18.67	0.0736
Lowest	16QAM	1	0	16.08	0.0406	16.74	0.0472
Middle		1	0	16.51	0.0448	17.09	0.0512
Highest		1	0	17.39	0.0548	17.86	0.0611
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.01	0.0502	17.70	0.0589
Middle		1	0	17.53	0.0566	18.10	0.0646
Highest		1	0	18.16	0.0655	18.60	0.0724
Lowest	16QAM	1	0	16.15	0.0412	16.85	0.0484
Middle		1	0	16.59	0.0456	17.17	0.0521
Highest		1	0	17.38	0.0547	17.84	0.0608
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.07	0.0509	17.77	0.0598
Middle		1	0	17.55	0.0569	18.20	0.0661
Highest		1	0	18.15	0.0653	18.68	0.0738
Lowest	16QAM	1	0	16.21	0.0418	16.93	0.0493
Middle		1	0	16.63	0.0460	17.31	0.0538
Highest		1	0	17.46	0.0557	18.00	0.0631
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.00	0.0631	19.39	0.0869
Middle		1	0	17.68	0.0586	20.65	0.1161
Highest		1	0	18.26	0.0670	21.21	0.1321
Lowest	16QAM	1	0	17.06	0.0508	18.46	0.0701
Middle		1	0	17.33	0.0541	19.89	0.0975
Highest		1	0	17.38	0.0547	20.30	0.1072
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.97	0.0627	19.41	0.0873
Middle		1	0	17.81	0.0604	20.70	0.1175
Highest		1	0	18.30	0.0676	21.14	0.1300
Lowest	16QAM	1	0	17.10	0.0513	18.51	0.0710
Middle		1	0	17.14	0.0518	19.82	0.0959
Highest		1	0	17.54	0.0568	20.36	0.1086
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.97	0.0627	19.37	0.0865
Middle		1	0	17.78	0.0600	20.74	0.1186
Highest		1	0	18.29	0.0675	20.99	0.1256
Lowest	16QAM	1	0	17.06	0.0508	18.51	0.0710
Middle		1	0	16.79	0.0478	19.67	0.0927
Highest		1	0	17.58	0.0573	20.26	0.1062
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	18.02	0.0634	19.47	0.0885
Middle		1	0	17.71	0.0590	20.65	0.1161
Highest		1	0	18.23	0.0665	20.90	0.1230
Lowest	16QAM	1	0	17.13	0.0516	18.59	0.0723
Middle		1	0	16.81	0.0480	19.60	0.0912
Highest		1	0	17.66	0.0583	20.34	0.1081
Limit	EIRP < 2W			Result		PASS	



## **Radiated Spurious Emission**



### LTE Band 5

LTE Band 5 / 1.4MHz / 16QAM									
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	-60.24	-13	-47.24	-69.94	-62	0.98	4.89	H
	2472	-56.24	-13	-43.24	-69.86	-58.12	1.28	5.32	H
	3296	-57.09	-13	-44.09	-73.2	-60.5	1.54	7.10	H
									H
									H
									H
	1648	-60.94	-13	-47.94	-70.03	-62.7	0.98	4.89	V
	2472	-57.53	-13	-44.53	-70.91	-59.41	1.28	5.32	V
	3296	-57.14	-13	-44.14	-72.98	-60.55	1.54	7.10	V
									V
									V
									V
									V
									V
Middle	1672	-61.53	-13	-48.53	-71.3	-63.21	0.99	4.82	H
	2504	-56.17	-13	-43.17	-69.78	-58.13	1.29	5.40	H
	3344	-57.51	-13	-44.51	-73.17	-61.12	1.56	7.31	H
									H
									H
									H
	1672	-62.43	-13	-49.43	-71.55	-64.11	0.99	4.82	V
	2504	-56.89	-13	-43.89	-70.27	-58.85	1.29	5.40	V
	3344	-57.24	-13	-44.24	-72.67	-60.85	1.56	7.31	V
									V
									V
									V
Highest	1696	-61.51	-13	-48.51	-71.43	-63.11	1.00	4.75	H
	2544	-57.42	-13	-44.42	-70.99	-59.4	1.30	5.44	H
	3392	-57.36	-13	-44.36	-73.06	-61.16	1.57	7.52	H
									H
									H
									H
	1696	-62.60	-13	-49.60	-71.93	-64.2	1.00	4.75	V
	2544	-57.92	-13	-44.92	-71.41	-59.9	1.30	5.44	V
	3392	-56.69	-13	-43.69	-72.22	-60.49	1.57	7.52	V
									V
									V
									V

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



LTE Band 5 / 3MHz / 16QAM									
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	-59.90	-13	-46.90	-69.58	-61.66	0.98	4.89	H
	2472	-56.22	-13	-43.22	-69.7	-58.1	1.28	5.32	H
	3296	-56.95	-13	-43.95	-73.09	-60.36	1.54	7.10	H
									H
									H
									H
									H
	1648	-61.59	-13	-48.59	-70.75	-63.35	0.98	4.89	V
	2472	-57.36	-13	-44.36	-70.67	-59.24	1.28	5.32	V
	3296	-57.24	-13	-44.24	-73.05	-60.65	1.54	7.10	V
									V
	Middle	1672	-61.97	-13	-48.97	-71.72	-63.65	0.99	4.82
2504		-56.84	-13	-43.84	-70.33	-58.8	1.29	5.40	H
3344		-57.52	-13	-44.52	-73.23	-61.13	1.56	7.31	H
									H
									H
									H
									H
1672		-62.77	-13	-49.77	-71.92	-64.45	0.99	4.82	V
2504		-57.94	-13	-44.94	-71.35	-59.9	1.29	5.40	V
3344		-57.29	-13	-44.29	-72.69	-60.9	1.56	7.31	V
									V
Highest		1688	-60.49	-13	-47.49	-70.19	-62.12	1.00	4.77
	2536	-56.33	-13	-43.33	-69.9	-58.31	1.30	5.43	H
	3384	-57.58	-13	-44.58	-73.29	-61.35	1.57	7.49	H
									H
									H
									H
									H
	1688	-62.17	-13	-49.17	-71.3	-63.8	1.00	4.77	V
	2536	-58.09	-13	-45.09	-71.51	-60.07	1.30	5.43	V
	3384	-57.24	-13	-44.24	-72.72	-61.01	1.57	7.49	V
									V
									V
								V	

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



LTE Band 5 / 5MHz / 16QAM									
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	-60.89	-13	-47.89	-70.58	-62.65	0.98	4.89	H
	2472	-54.24	-13	-41.24	-67.72	-56.12	1.28	5.32	H
	3296	-57.04	-13	-44.04	-73.25	-60.45	1.54	7.10	H
									H
									H
									H
									H
	1648	-62.03	-13	-49.03	-71.12	-63.79	0.98	4.89	V
	2472	-56.58	-13	-43.58	-69.98	-58.46	1.28	5.32	V
	3296	-57.04	-13	-44.04	-72.93	-60.45	1.54	7.10	V
									V
	Middle	1668	-61.87	-13	-48.87	-71.56	-63.56	0.99	4.83
2504		-56.79	-13	-43.79	-70.34	-58.75	1.29	5.40	H
3336		-57.42	-13	-44.42	-73.27	-61	1.55	7.28	H
									H
									H
									H
									H
1668		-62.31	-13	-49.31	-71.51	-64	0.99	4.83	V
2504		-57.45	-13	-44.45	-70.82	-59.41	1.29	5.40	V
3336		-57.65	-13	-44.65	-73.05	-61.23	1.55	7.28	V
									V
Highest		1688	-58.72	-13	-45.72	-68.59	-60.35	1.00	4.77
	2536	-57.14	-13	-44.14	-70.75	-59.12	1.30	5.43	H
	3376	-56.47	-13	-43.47	-72.2	-60.21	1.57	7.45	H
									H
									H
									H
									H
	1688	-57.82	-13	-44.82	-66.95	-59.45	1.00	4.77	V
	2536	-57.83	-13	-44.83	-71.31	-59.81	1.30	5.43	V
	3376	-57.57	-13	-44.57	-73.07	-61.31	1.57	7.45	V
									V
									V
								V	

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



LTE Band 5 / 10MHz / 16QAM									
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	-59.90	-13	-46.90	-69.56	-61.66	0.98	4.89	H
	2472	-55.02	-13	-42.02	-68.5	-56.9	1.28	5.32	H
	3298	-56.79	-13	-43.79	-72.97	-60.21	1.54	7.11	H
									H
									H
									H
									H
	1648	-61.14	-13	-48.14	-70.28	-62.9	0.98	4.89	V
	2472	-57.24	-13	-44.24	-70.7	-59.12	1.28	5.32	V
	3298	-57.23	-13	-44.23	-73.08	-60.65	1.54	7.11	V
									V
	Middle	1664	-57.60	-13	-44.60	-67.42	-59.31	0.98	4.84
2496		-58.73	-13	-45.73	-72.36	-60.68	1.29	5.39	H
3328		-57.31	-13	-44.31	-73.14	-60.85	1.55	7.24	H
									H
									H
									H
									H
1664		-60.41	-13	-47.41	-69.56	-62.12	0.98	4.84	V
2496		-58.28	-13	-45.28	-71.63	-60.23	1.29	5.39	V
3328		-57.80	-13	-44.80	-73.19	-61.34	1.55	7.24	V
									V
Highest		1680	-61.00	-13	-48.00	-70.79	-62.65	0.99	4.80
	2520	-56.34	-13	-43.34	-69.89	-58.31	1.30	5.42	H
	3360	-57.44	-13	-44.44	-73.19	-61.11	1.56	7.38	H
									H
									H
									H
									H
	1680	-61.10	-13	-48.10	-70.29	-62.75	0.99	4.80	V
	2520	-57.25	-13	-44.25	-70.68	-59.22	1.30	5.42	V
	3360	-57.33	-13	-44.33	-72.65	-61	1.56	7.38	V
									V
									V
								V	

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



## LTE Band 7

LTE Band 7 / 5MHz / 16QAM									
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	4998	-45.67	-25	-20.67	-66.1	-53.03	2.34	9.70	H
	7500	-29.83	-25	-4.83	-58.26	-39.2	2.43	11.80	H
	10002	-43.05	-25	-18.05	-75.48	-52.55	2.70	12.20	H
									H
									H
									H
	4998	-49.64	-25	-24.64	-70.22	-57	2.34	9.70	V
	7500	-41.94	-25	-16.94	-69.85	-51.31	2.43	11.80	V
	10002	-44.15	-25	-19.15	75.39	-53.65	2.70	12.20	V
									V
									V
									V
									V
									V
Middle	5064	-47.70	-25	-22.70	-68.21	-55.03	2.37	9.70	H
	7596	-37.08	-25	-12.08	-64.5	-46.54	2.40	11.86	H
	10134	-43.29	-25	-18.29	-76.06	-52.85	2.70	12.25	H
									H
									H
									H
	5064	-50.67	-25	-25.67	-71.51	-58	2.37	9.70	V
	7596	-41.30	-25	-16.30	-68.8	-50.76	2.40	11.86	V
	10134	-44.34	-25	-19.34	-76.07	-53.9	2.70	12.25	V
									V
									V
									V
									V
									V
Highest	5130	-43.73	-25	-18.73	-64.35	-51.02	2.41	9.70	H
	7698	-36.41	-25	-11.41	-63.9	-45.96	2.37	11.92	H
	10260	-43.04	-25	-18.04	-76.12	-52.65	2.69	12.30	H
									H
									H
									H
	5130	-48.29	-25	-23.29	-69.24	-55.58	2.41	9.70	V
	7698	-44.86	-25	-19.86	-72.21	-54.41	2.37	11.92	V
	10260	-43.91	-25	-18.91	-76.13	-53.52	2.69	12.30	V
									V
									V
									V
									V
									V

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



LTE Band 7 / 10MHz / 16QAM									
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	4998	-45.00	-25	-20.00	-65.33	-52.36	2.34	9.70	H
	7500	-32.76	-25	-7.76	-61.18	-42.13	2.43	11.80	H
	10002	-43.48	-25	-18.48	-75.91	-52.98	2.70	12.20	H
									H
									H
									H
									H
	4998	-49.49	-25	-24.49	-70.07	-56.85	2.34	9.70	V
	7500	-39.53	-25	-14.53	-67.41	-48.9	2.43	11.80	V
	10002	-44.56	-25	-19.56	-75.81	-54.06	2.70	12.20	V
									V
	Middle	5058	-46.57	-25	-21.57	-67.04	-53.9	2.37	9.70
7590		-34.40	-25	-9.40	-61.81	-43.85	2.40	11.85	H
10122		-43.30	-25	-18.30	-76.05	-52.85	2.70	12.25	H
									H
									H
									H
									H
5058		-48.85	-25	-23.85	-69.61	-56.18	2.37	9.70	V
7590		-42.86	-25	-17.86	-70.39	-52.31	2.40	11.85	V
10122		-44.05	-25	-19.05	-75.8	-53.6	2.70	12.25	V
									V
Highest		5118	-45.01	-25	-20.01	-65.61	-52.31	2.40	9.70
	7680	-38.08	-25	-13.08	-65.58	-47.62	2.37	11.91	H
	10242	-43.20	-25	-18.20	-76.26	-52.8	2.69	12.30	H
									H
									H
									H
									H
	5118	-47.50	-25	-22.50	-68.44	-54.8	2.40	9.70	V
	7680	-46.59	-25	-21.59	-73.97	-56.13	2.37	11.91	V
	10242	-43.88	-25	-18.88	-76.03	-53.48	2.69	12.30	V
									V

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



LTE Band 7 / 15MHz / 16QAM									
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	5004	-45.00	-25	-20.00	-65.4	-52.36	2.34	9.70	H
	7500	-33.28	-25	-8.28	-61.67	-42.65	2.43	11.80	H
	10002	-43.15	-25	-18.15	-75.6	-52.65	2.70	12.20	H
									H
									H
									H
									H
	5004	-50.64	-25	-25.64	-71.24	-58	2.34	9.70	V
	7500	-41.94	-25	-16.94	-69.82	-51.31	2.43	11.80	V
	10002	-44.70	-25	-19.70	-75.98	-54.2	2.70	12.20	V
									V
	Middle	5058	-46.73	-25	-21.73	-67.2	-54.06	2.37	9.70
7584		-38.51	-25	-13.51	-66.09	-47.96	2.40	11.85	H
10116		-43.20	-25	-18.20	-75.95	-52.75	2.70	12.25	H
									H
									H
									H
									H
5058		-49.84	-25	-24.84	-70.58	-57.17	2.37	9.70	V
7584		-43.40	-25	-18.40	-71.08	-52.85	2.40	11.85	V
10116		-43.76	-25	-18.76	-75.45	-53.31	2.70	12.25	V
									V
Highest		5112	-45.60	-25	-20.60	-66.19	-52.9	2.40	9.70
	7668	-40.12	-25	-15.12	-67.59	-49.65	2.38	11.90	H
	10224	-42.53	-25	-17.53	-75.68	-52.12	2.69	12.29	H
									H
									H
									H
									H
	5112	-48.70	-25	-23.70	-69.65	-56	2.40	9.70	V
	7668	-45.53	-25	-20.53	-72.95	-55.06	2.38	11.90	V
	10224	-44.06	-25	-19.06	-76.17	-53.65	2.69	12.29	V
									V
									V
								V	

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



LTE Band 7 / 20MHz / 16QAM									
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	5004	-44.15	-25	-19.15	-64.51	-51.51	2.34	9.70	H
	7506	-32.94	-25	-7.94	-61.17	-42.32	2.43	11.80	H
	10004	-44.35	-25	-19.35	-75.77	-53.85	2.70	12.20	H
									H
									H
									H
									H
	5004	-51.14	-25	-26.14	-71.75	-58.5	2.34	9.70	V
	7506	-43.42	-25	-18.42	-71.29	-52.8	2.43	11.80	V
	10002	-44.54	-25	-19.54	-75.78	-54.04	2.70	12.20	V
									V
	Middle	5052	-44.36	-25	-19.36	-64.88	-51.69	2.37	9.70
7578		-40.45	-25	-15.45	-67.99	-49.89	2.40	11.85	H
10107		-43.00	-25	-18.00	-75.76	-52.55	2.70	12.24	H
									H
									H
									H
									H
5052		-47.10	-25	-22.10	-67.8	-54.43	2.37	9.70	V
7578		-46.44	-25	-21.44	-74.01	-55.88	2.40	11.85	V
10104		-44.45	-25	-19.45	-76.1	-54	2.70	12.24	V
									V
Highest		5100	-41.75	-25	-16.75	-62.28	-49.06	2.39	9.70
	7656	-37.69	-25	-12.69	-65.15	-47.2	2.38	11.89	H
	10206	-43.01	-25	-18.01	-75.95	-52.6	2.70	12.28	H
									H
									H
									H
									H
	5100	-45.18	-25	-20.18	-65.99	-52.49	2.39	9.70	V
	7656	-45.49	-25	-20.49	-72.89	-55	2.38	11.89	V
	10206	-43.86	-25	-18.86	-75.86	-53.45	2.70	12.28	V
									V
									V
								V	

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



LTE Band 41

LTE Band 41 / 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	5112	-46.38	-25	-21.38	-66.95	-53.68	2.40	9.70	H
	7668	-41.02	-25	-16.02	-68.47	-50.55	2.38	11.90	H
	10224	-42.41	-25	-17.41	-75.4	-52	2.69	12.29	H
									H
									H
									H
									H
	5112	-43.90	-25	-18.90	-64.78	-51.2	2.40	9.70	V
	7668	-35.17	-25	-10.17	-62.57	-44.7	2.38	11.90	V
	10224	-43.14	-25	-18.14	-75.21	-52.73	2.69	12.29	V
									V
									V
									V
									V
Middle	5208	-42.10	-25	-17.10	-62.71	-49.34	2.46	9.70	H
	7806	-46.04	-25	-21.04	-73.56	-55.69	2.33	11.98	H
	10413	-42.04	-25	-17.04	-75.5	-51.71	2.69	12.37	H
									H
									H
									H
									H
	5208	-43.04	-25	-18.04	-64.16	-50.28	2.46	9.70	V
	7806	-41.80	-25	-16.80	-69.06	-51.45	2.33	11.98	V
	10413	-42.83	-25	-17.83	-75.73	-52.5	2.69	12.37	V
									V
									V
								V	
Highest	5298	-45.74	-25	-20.74	-66.32	-52.93	2.51	9.70	H
	7950	-42.94	-25	-17.94	-71.1	-52.73	2.28	12.07	H
	10602	-41.94	-25	-16.94	-75.71	-51.67	2.69	12.42	H
									H
									H
									H
									H
	5298	-42.09	-25	-17.09	-62.91	-49.28	2.51	9.70	V
	7950	-37.43	-25	-12.43	-65.16	-47.22	2.28	12.07	V
	10602	-41.37	-25	-16.37	-74.76	-51.1	2.69	12.42	V
									V
									V
								V	

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



LTE Band 41 / 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	5112	-46.01	-25	-21.01	-66.58	-53.31	2.40	9.70	H
	7668	-39.68	-25	-14.68	-67.13	-49.21	2.38	11.90	H
	10224	-42.54	-25	-17.54	-75.53	-52.13	2.69	12.29	H
									H
									H
									H
									H
	5112	-41.41	-25	-16.41	-62.29	-48.71	2.40	9.70	V
	7668	-35.10	-25	-10.10	-62.5	-44.63	2.38	11.90	V
	10224	-43.35	-25	-18.35	-75.42	-52.94	2.69	12.29	V
									V
	Middle	5202	-40.72	-25	-15.72	-61.46	-47.97	2.45	9.70
7800		-46.47	-25	-21.47	-73.99	-56.12	2.33	11.98	H
10404		-41.90	-25	-16.90	-75.32	-51.57	2.69	12.36	H
									H
									H
									H
									H
5202		-43.01	-25	-18.01	-64.13	-50.26	2.45	9.70	V
7800		-42.16	-25	-17.16	-69.36	-51.81	2.33	11.98	V
10404		-42.01	-25	-17.01	-74.84	-51.68	2.69	12.36	V
									V
Highest		5292	-44.21	-25	-19.21	-64.71	-51.4	2.51	9.70
	7938	-43.49	-25	-18.49	-71.58	-53.26	2.29	12.06	H
	10584	-42.36	-25	-17.36	-76.11	-52.09	2.69	12.42	H
									H
									H
									H
									H
	5292	-40.48	-25	-15.48	-61.3	-47.67	2.51	9.70	V
	7938	-38.68	-25	-13.68	-66.35	-48.45	2.29	12.06	V
	10584	-41.86	-25	-16.86	-75.22	-51.59	2.69	12.42	V
									V
									V
								V	

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



LTE Band 41 / 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	5112	-44.76	-25	-19.76	-65.33	-52.06	2.40	9.70	H
	7668	-40.60	-25	-15.60	-68.05	-50.13	2.38	11.90	H
	10224	-42.57	-25	-17.57	-75.56	-52.16	2.69	12.29	H
									H
									H
									H
									H
	5112	-42.32	-25	-17.32	-63.2	-49.62	2.40	9.70	V
	7668	-35.31	-25	-10.31	-62.71	-44.84	2.38	11.90	V
	10224	-42.87	-25	-17.87	-74.94	-52.46	2.69	12.29	V
									V
	Middle	5196	-41.28	-25	-16.28	-62.02	-48.53	2.45	9.70
7794		-45.97	-25	-20.97	-73.49	-55.61	2.33	11.98	H
10395		-42.18	-25	-17.18	-75.6	-51.84	2.69	12.36	H
									H
									H
									H
									H
5196		-40.02	-25	-15.02	-61.09	-47.27	2.45	9.70	V
7794		-43.44	-25	-18.44	-70.64	-53.08	2.33	11.98	V
10395		-42.62	-25	-17.62	-75.45	-52.28	2.69	12.36	V
									V
Highest		5280	-44.23	-25	-19.23	-64.73	-51.43	2.50	9.70
	7920	-43.42	-25	-18.42	-72.32	-53.18	2.29	12.05	H
	10566	-42.10	-25	-17.10	-75.84	-51.82	2.69	12.41	H
									H
									H
									H
									H
	5280	-38.28	-25	-13.28	-59.02	-45.48	2.50	9.70	V
	7920	-36.87	-25	-11.87	-65.36	-46.63	2.29	12.05	V
	10566	-42.41	-25	-17.41	-75.74	-52.13	2.69	12.41	V
									V
									V
								V	

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



LTE Band 41 / 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	5112	-46.56	-25	-21.56	-67.13	-53.86	2.40	9.70	H
	7668	-39.40	-25	-14.40	-66.85	-48.93	2.38	11.90	H
	10224	-42.58	-25	-17.58	-75.57	-52.17	2.69	12.29	H
									H
									H
									H
									H
	5112	-41.60	-25	-16.60	-62.48	-48.9	2.40	9.70	V
	7668	-34.14	-25	-9.14	-61.54	-43.67	2.38	11.90	V
	10224	-43.05	-25	-18.05	-75.12	-52.64	2.69	12.29	V
									V
	Middle	5190	-38.75	-25	-13.75	-59.56	-46	2.45	9.70
7788		-46.05	-25	-21.05	-73.56	-55.69	2.34	11.97	H
10386		-42.21	-25	-17.21	-75.59	-51.87	2.69	12.35	H
									H
									H
									H
									H
5190		-39.84	-25	-14.84	-60.91	-47.09	2.45	9.70	V
7788		-43.59	-25	-18.59	-70.79	-53.23	2.34	11.97	V
10386		-42.50	-25	-17.50	-75.26	-52.16	2.69	12.35	V
									V
Highest		5274	-43.55	-25	-18.55	-63.98	-50.76	2.49	9.70
	7908	-42.39	-25	-17.39	-70.34	-52.14	2.30	12.04	H
	10548	-42.35	-25	-17.35	-76.07	-52.07	2.69	12.41	H
	13176	-40.43	-25	-15.43	-77.78	-50.7	2.97	13.25	H
									H
									H
									H
	5274	-41.70	-25	-16.70	-62.44	-48.91	2.49	9.70	V
	7908	-36.70	-25	-11.70	-64.26	-46.45	2.30	12.04	V
	10548	-42.33	-25	-17.33	-75.63	-52.05	2.69	12.41	V
	13176	-39.38	-25	-14.38	-75.62	-49.65	2.97	13.25	V
									V
								V	
								V	

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