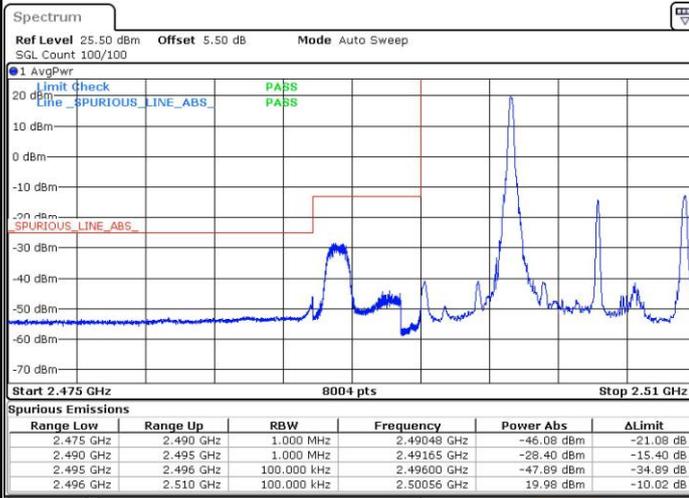




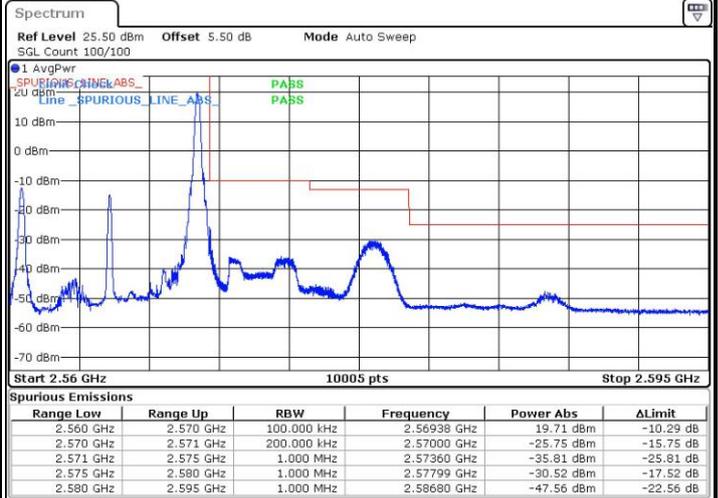
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 4 JUN 2016 02:04:11

Highest Band Edge / 1 RB



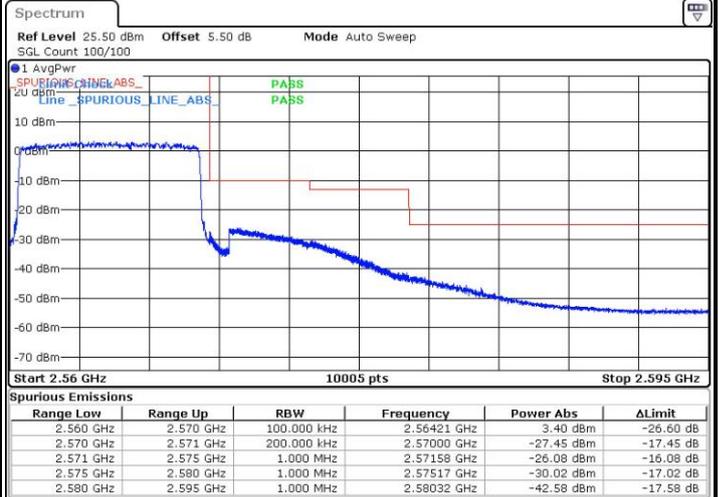
Date: 4 JUN 2016 02:09:53

Lowest Band Edge / Full RB



Date: 4 JUN 2016 02:05:19

Highest Band Edge / Full RB

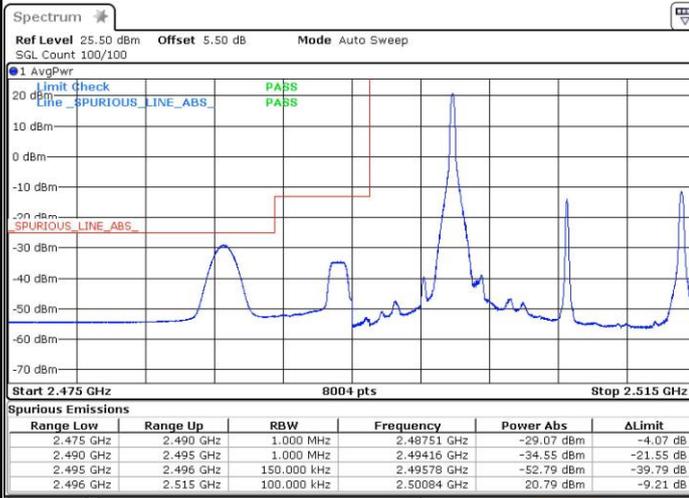


Date: 4 JUN 2016 02:08:45



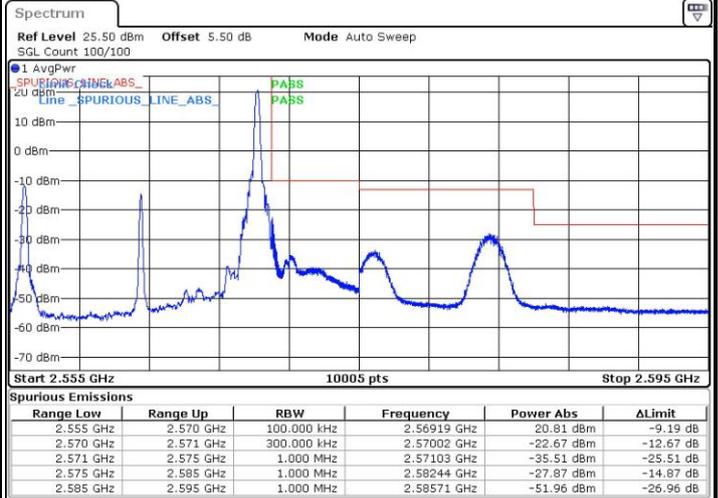
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



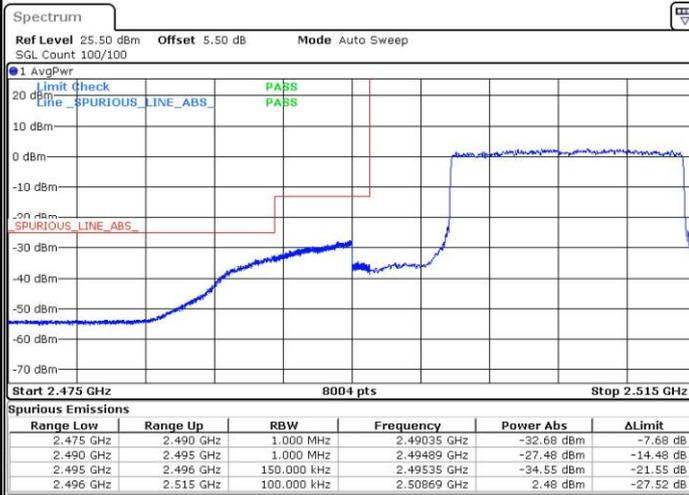
Date: 4 JUN 2016 03:06:52

Highest Band Edge / 1 RB



Date: 4 JUN 2016 02:27:43

Lowest Band Edge / Full RB



Date: 4 JUN 2016 02:23:09

Highest Band Edge / Full RB

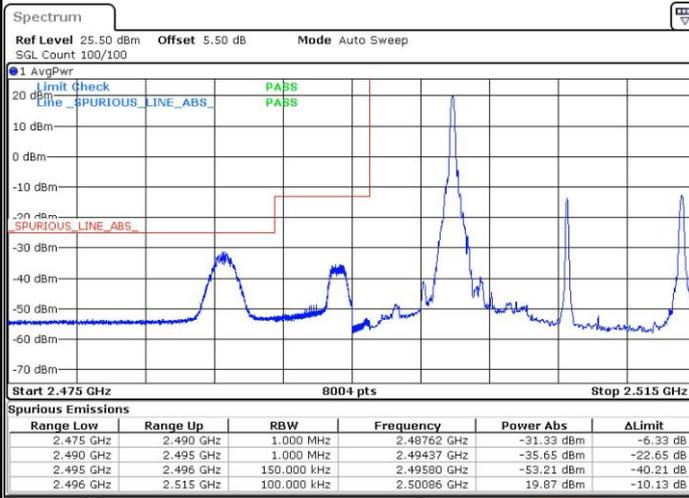


Date: 4 JUN 2016 02:24:17



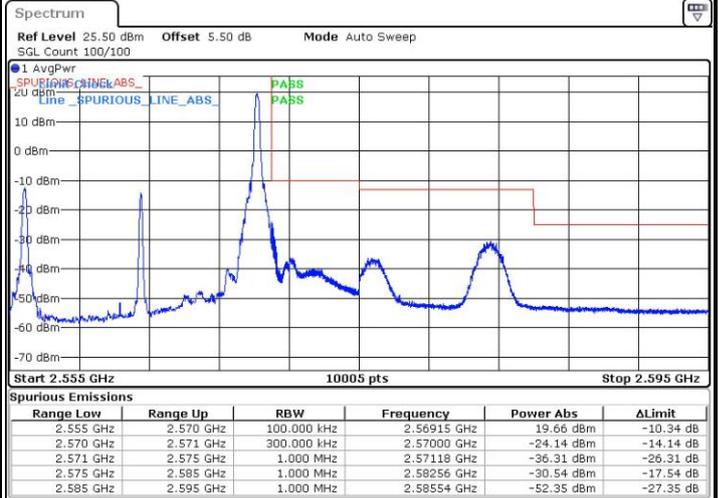
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 4 JUN 2016 02:20:52

Highest Band Edge / 1 RB



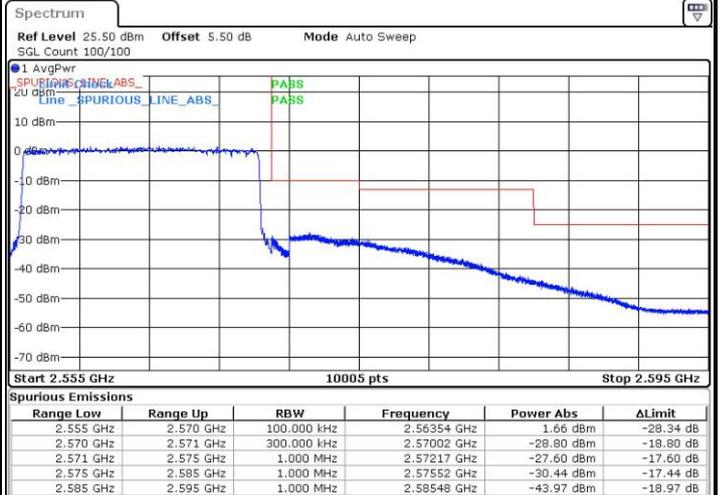
Date: 4 JUN 2016 02:26:34

Lowest Band Edge / Full RB



Date: 4 JUN 2016 02:22:00

Highest Band Edge / Full RB

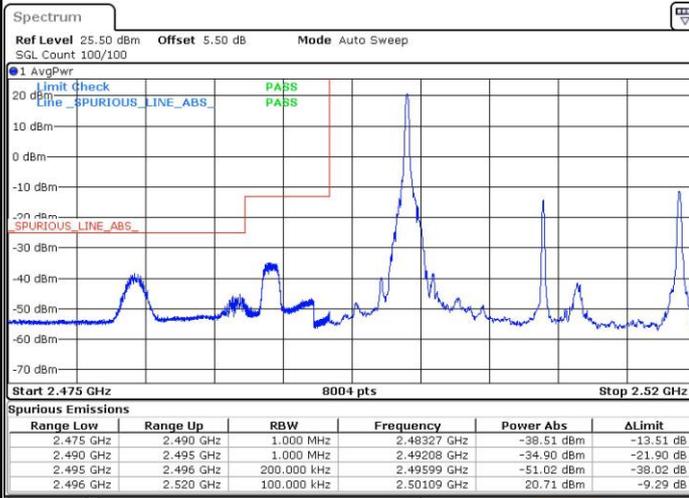


Date: 4 JUN 2016 02:25:26



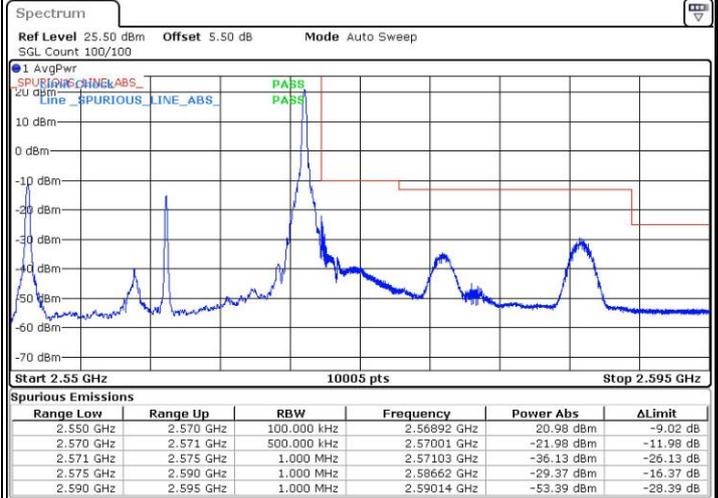
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



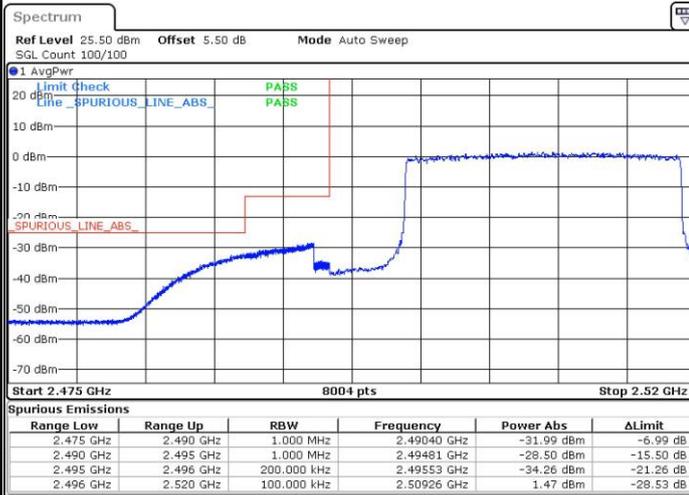
Date: 4 JUN 2016 02:36:24

Highest Band Edge / 1 RB



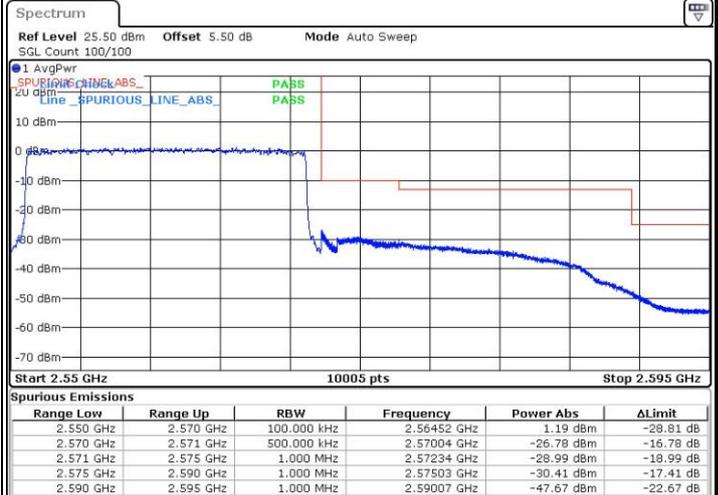
Date: 4 JUN 2016 02:44:24

Lowest Band Edge / Full RB



Date: 4 JUN 2016 02:39:50

Highest Band Edge / Full RB

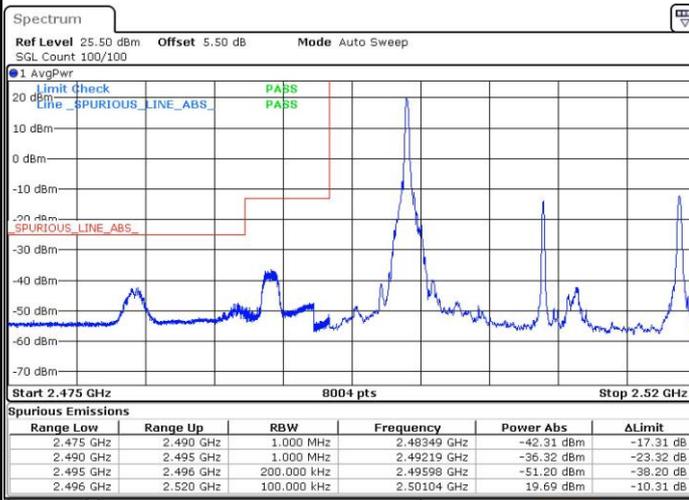


Date: 4 JUN 2016 02:40:58



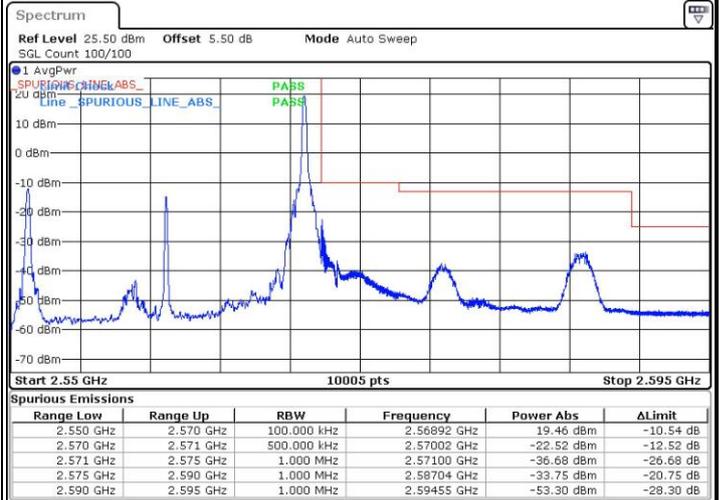
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



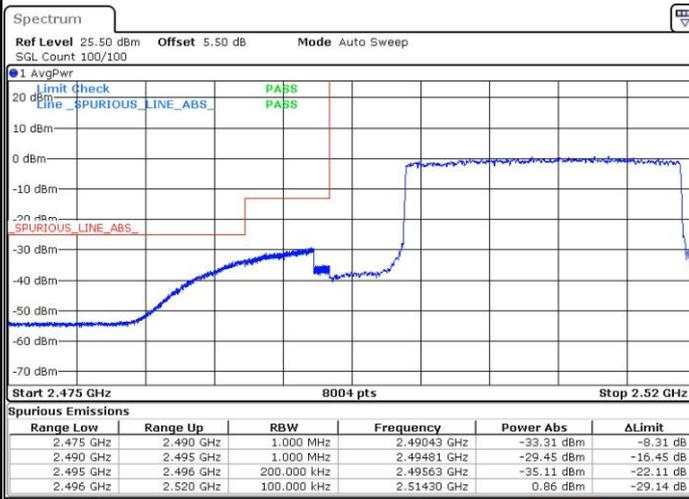
Date: 4 JUN 2016 02:37:33

Highest Band Edge / 1RB



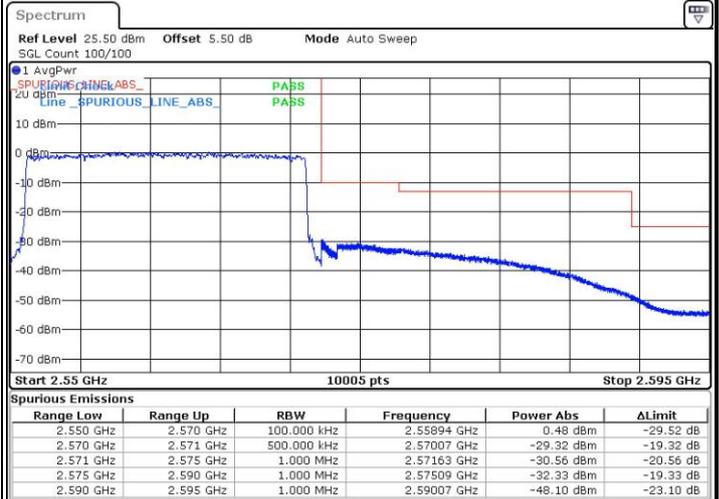
Date: 4 JUN 2016 02:43:15

Lowest Band Edge / Full RB



Date: 4 JUN 2016 02:38:41

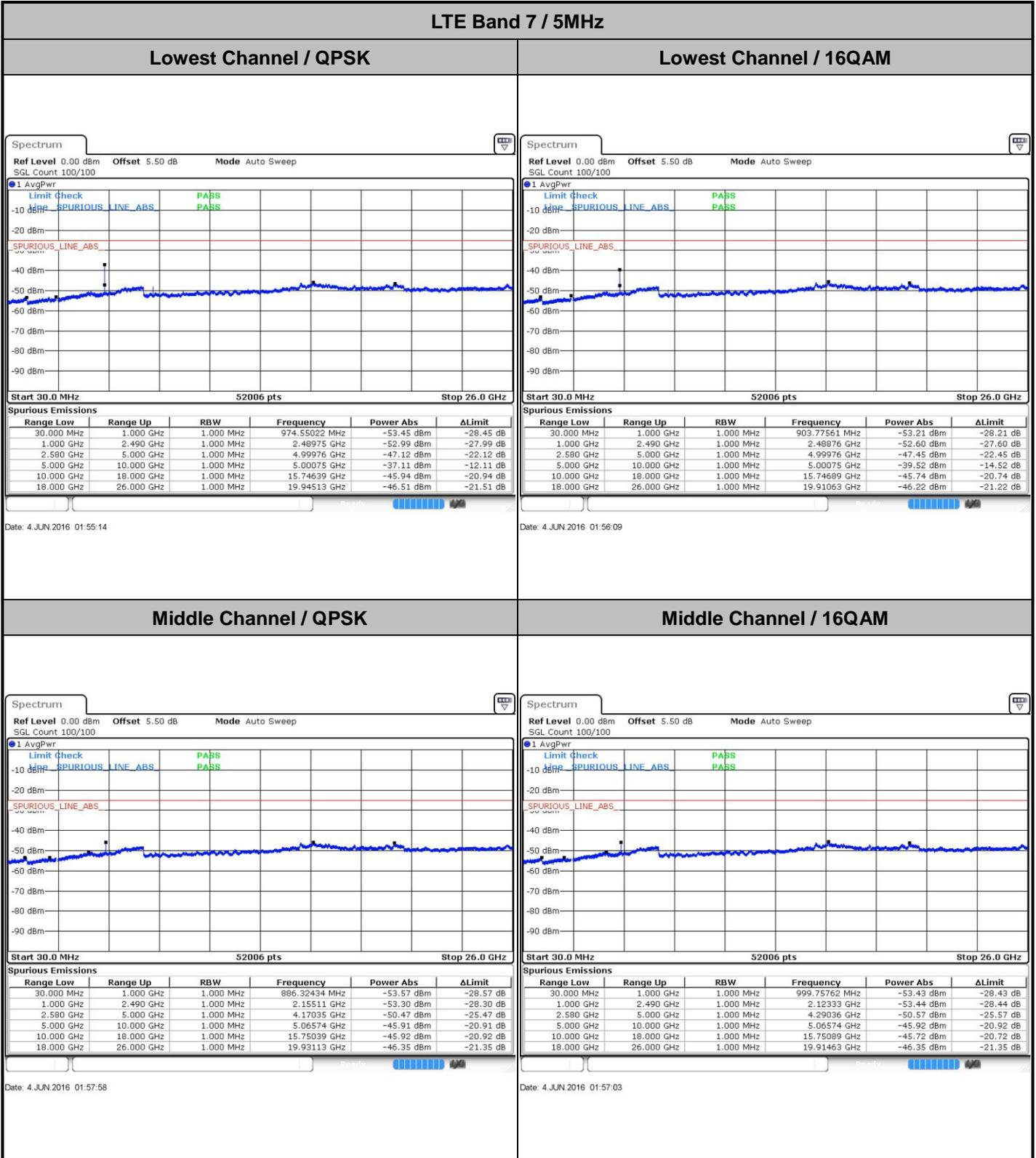
Highest Band Edge / Full RB



Date: 4 JUN 2016 02:42:07



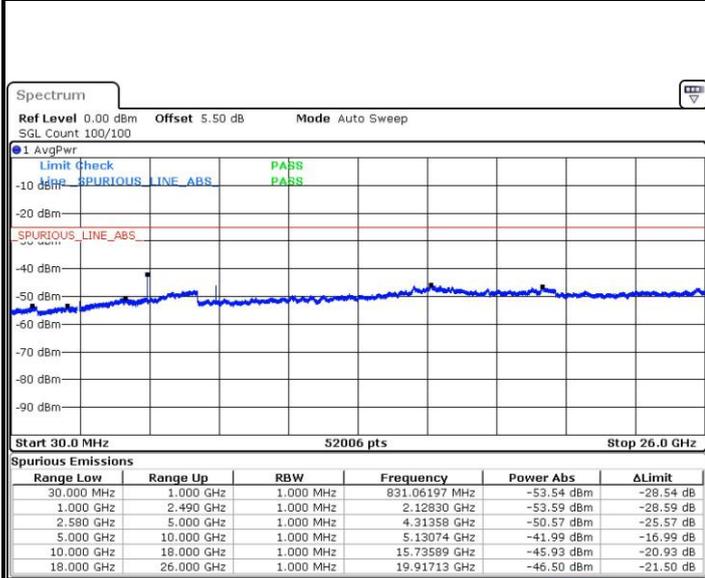
Conducted Spurious Emission





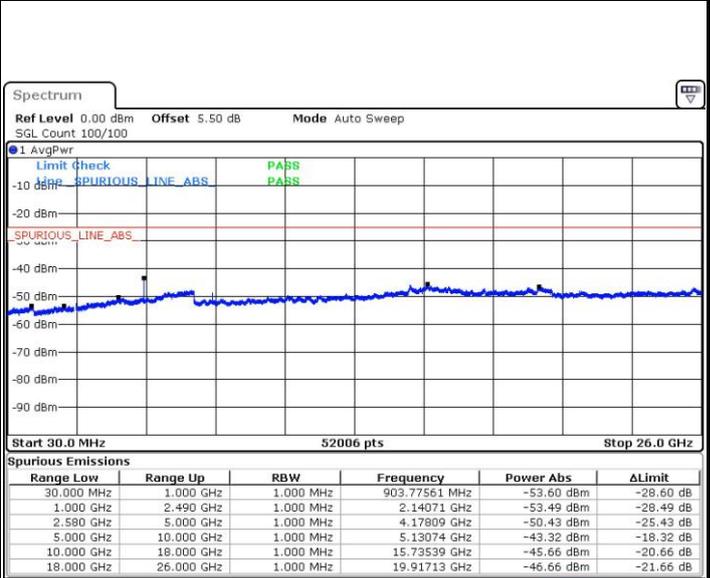
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 4 JUN 2016 01:58:52

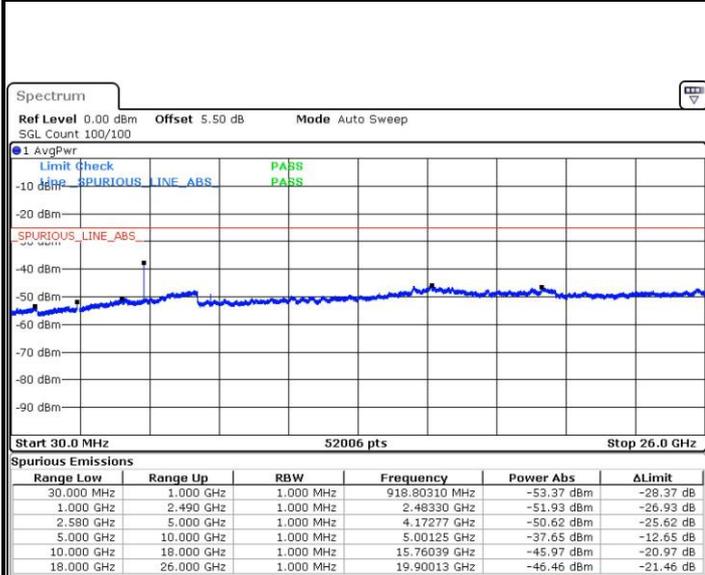
Highest Channel / 16QAM



Date: 4 JUN 2016 01:59:47

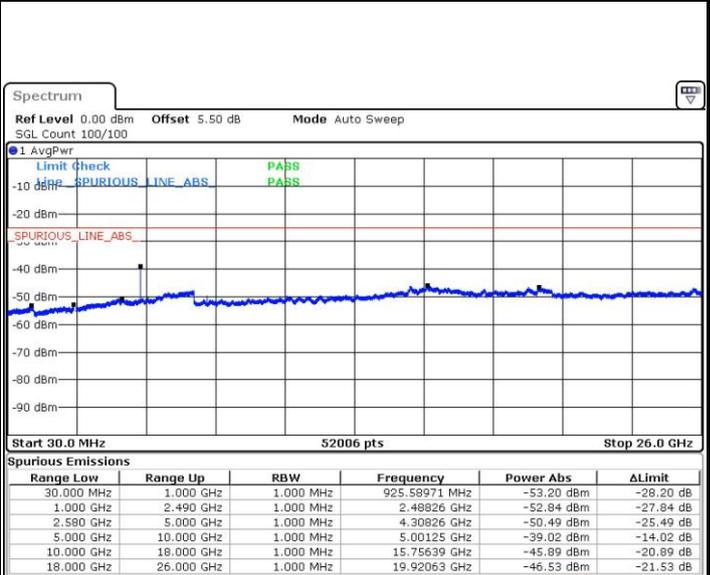
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 4 JUN 2016 02:11:55

Lowest Channel / 16QAM



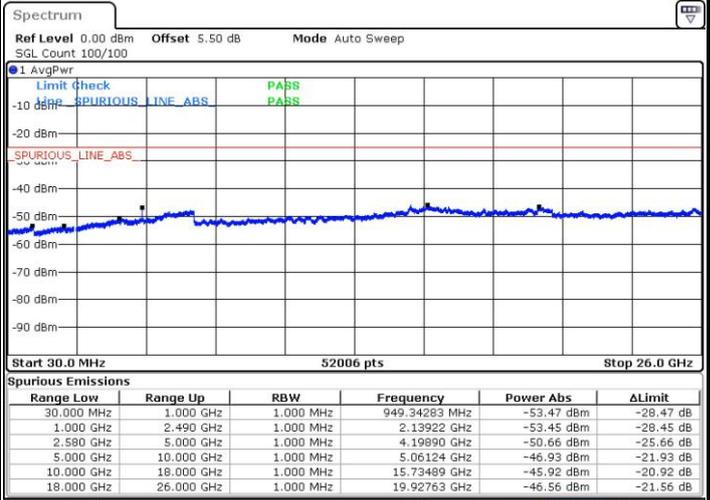
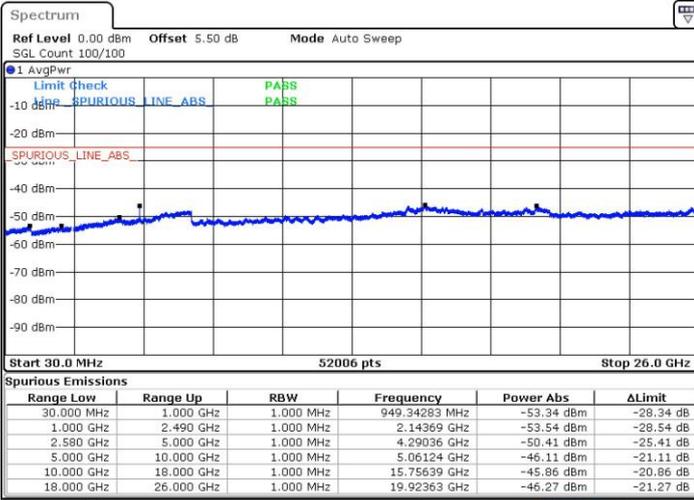
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LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

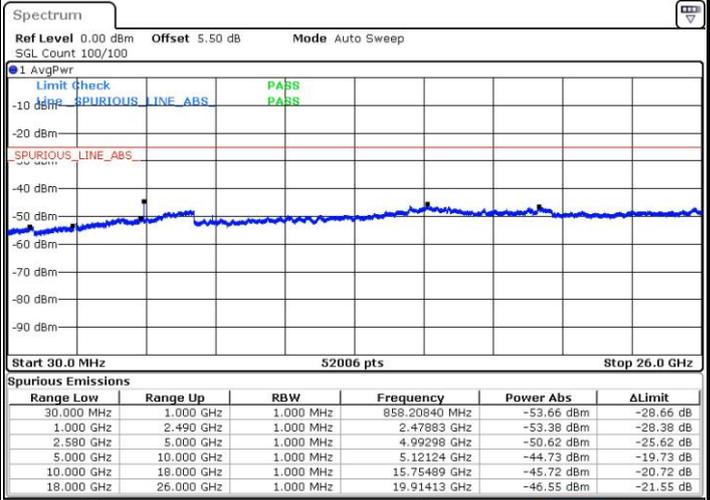
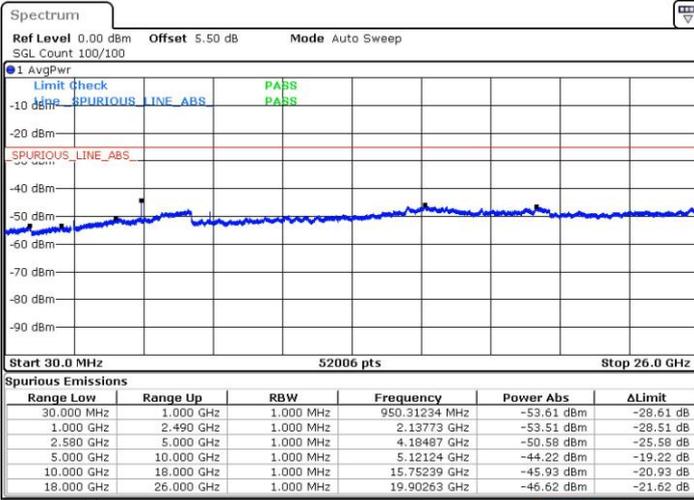


Date: 4 JUN 2016 02:14:39

Date: 4 JUN 2016 02:13:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 JUN 2016 02:15:34

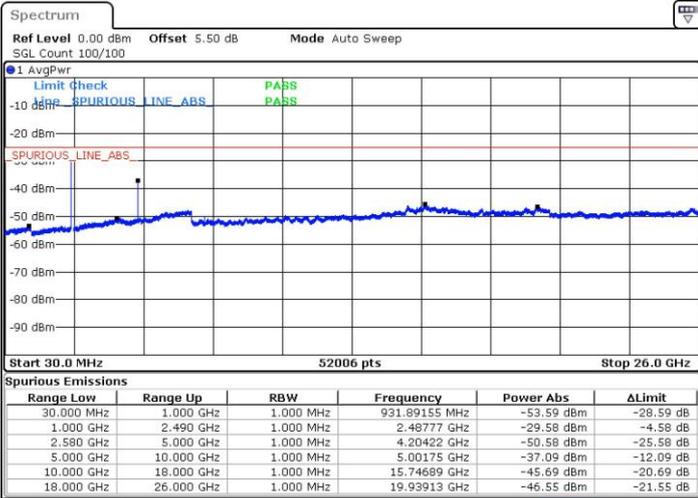
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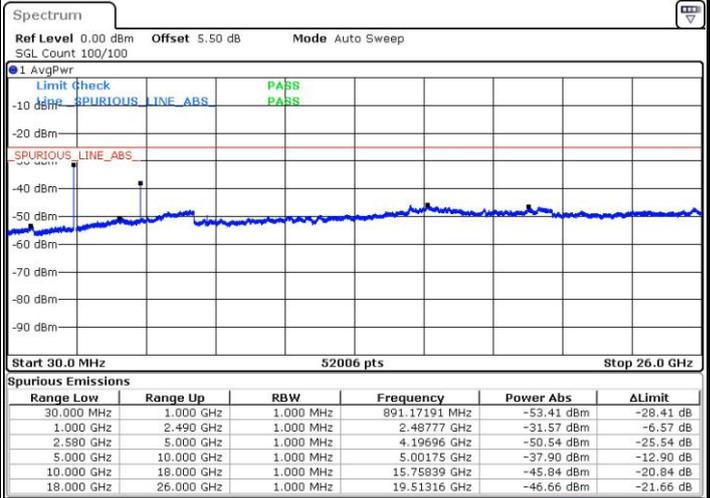
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



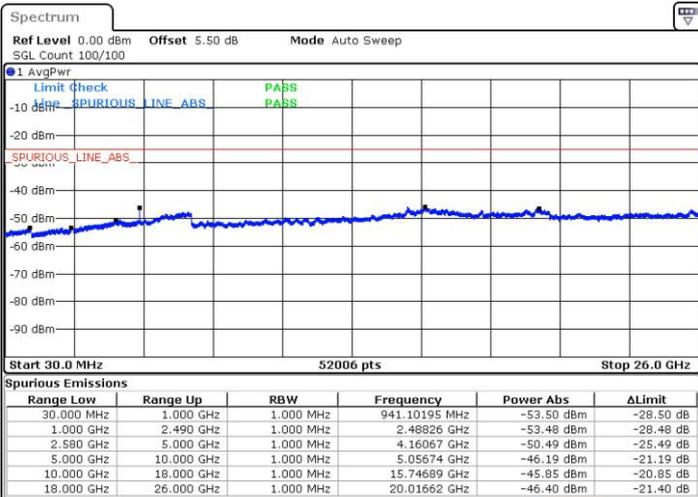
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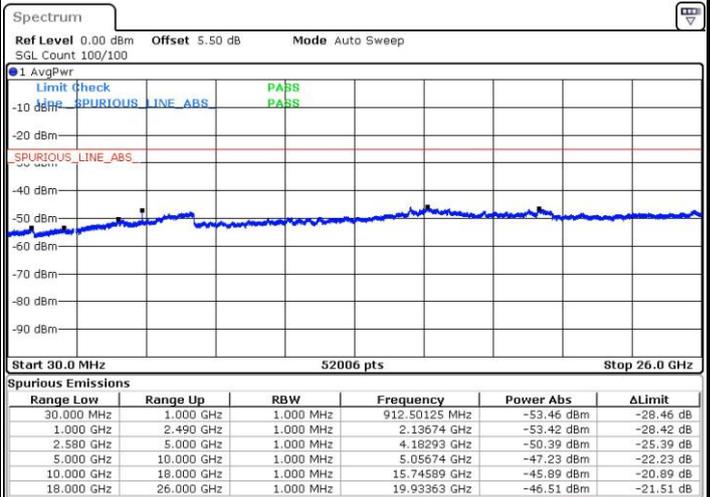
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Middle Channel / QPSK

Middle Channel / 16QAM



Date: 4 JUN 2016 02:31:20

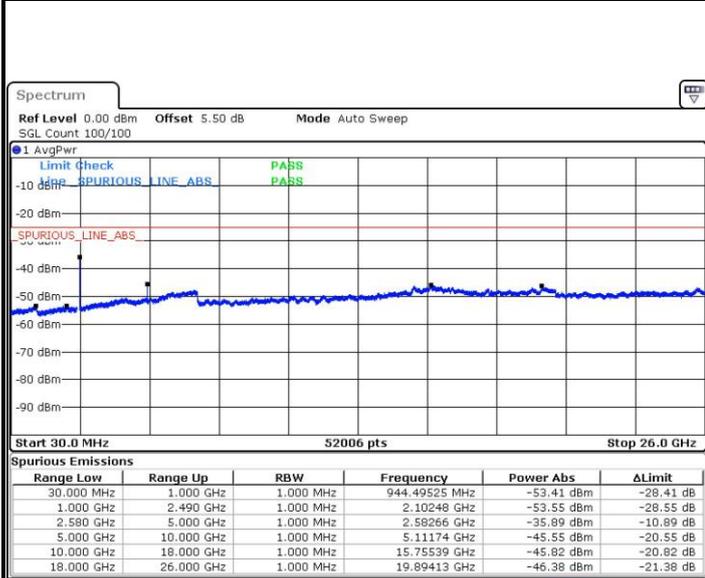


Date: 4 JUN 2016 02:30:25



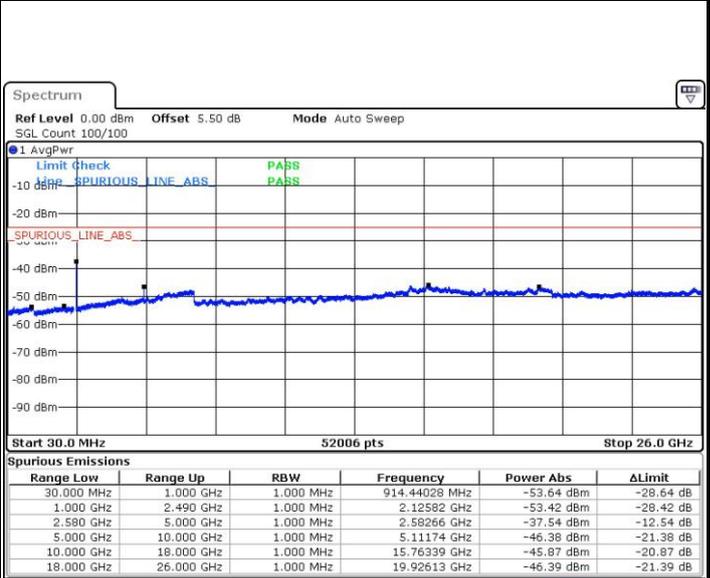
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 4 JUN 2016 02:32:14

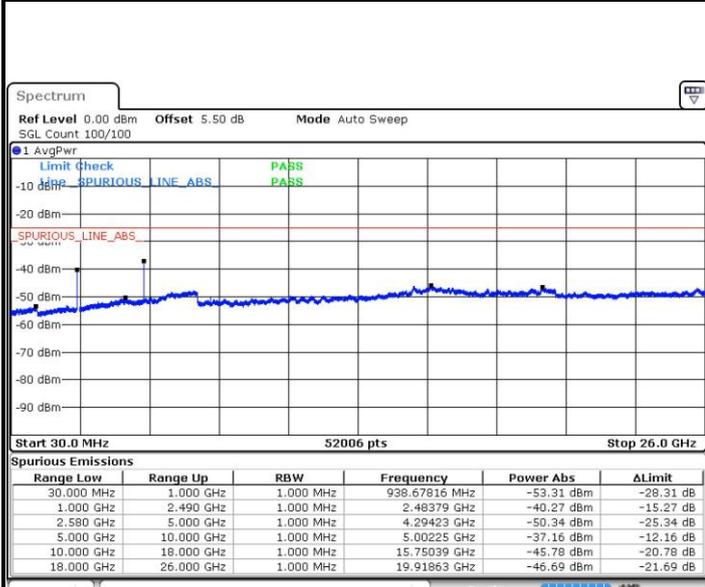
Highest Channel / 16QAM



Date: 4 JUN 2016 02:33:09

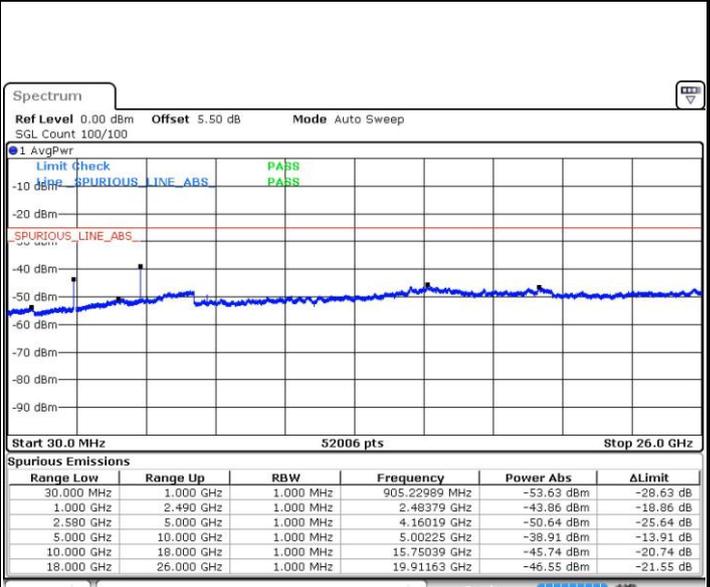
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 4 JUN 2016 02:45:17

Lowest Channel / 16QAM



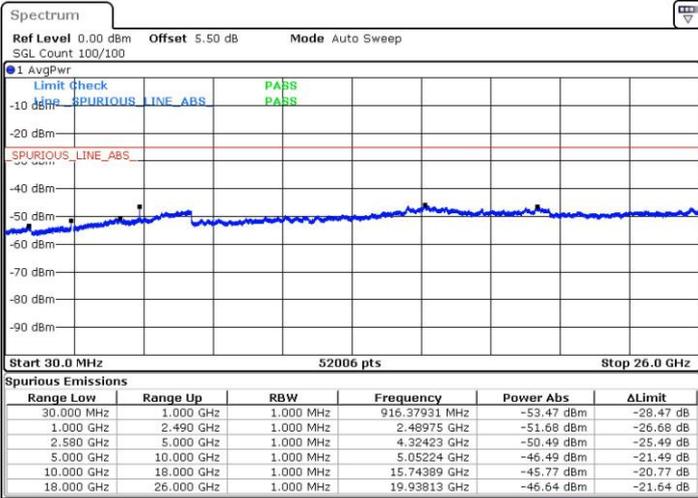
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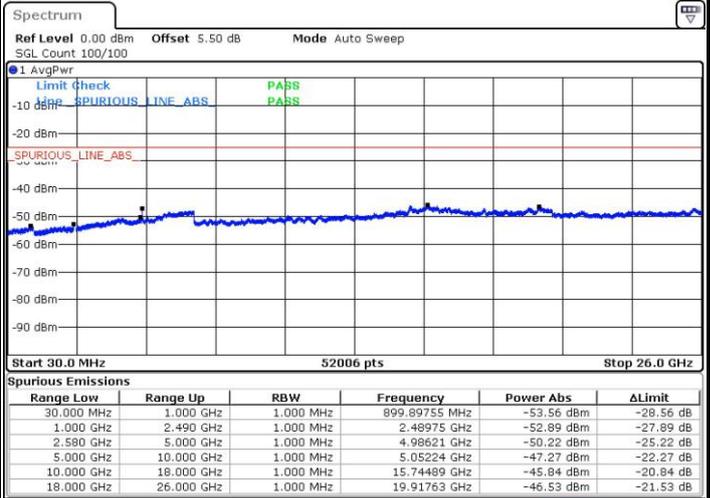
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



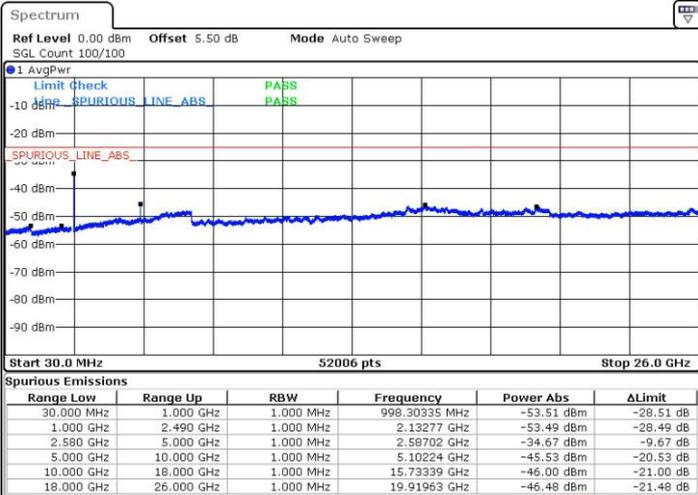
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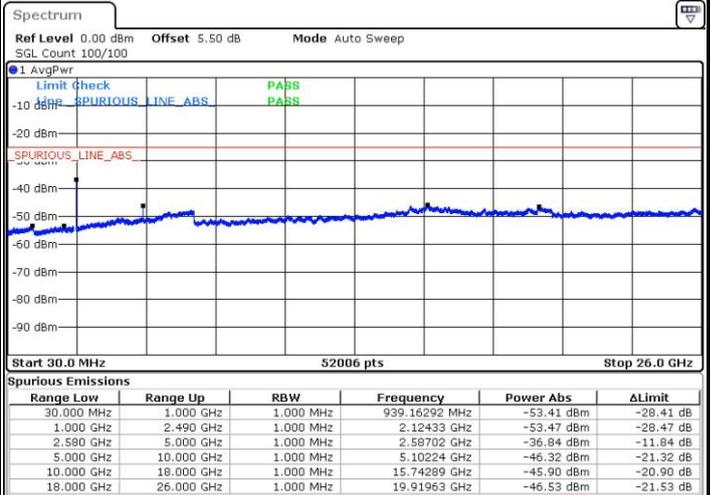
Date: 4 JUN 2016 02:47:06

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 JUN 2016 02:48:55



Date: 4 JUN 2016 02:49:50



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

EIRP

LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.65	0.2317	23.96	0.2489
Middle		1	0	24.40	0.2754	24.59	0.2877
Highest		1	12	25.74	0.3750	25.96	0.3945
Lowest	16QAM	1	12	22.43	0.1750	22.29	0.1694
Middle		1	24	23.74	0.2366	23.71	0.2350
Highest		1	12	24.09	0.2564	24.45	0.2786
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	23.87	0.2438	23.97	0.2495
Middle		1	25	25.01	0.3170	24.98	0.3148
Highest		1	25	25.62	0.3648	25.89	0.3882
Lowest	16QAM	1	25	22.91	0.1954	22.83	0.1919
Middle		1	25	23.92	0.2466	23.99	0.2506
Highest		1	25	24.54	0.2844	24.97	0.3141
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	23.94	0.2477	24.07	0.2553
Middle		1	0	24.42	0.2767	24.43	0.2773
Highest		1	74	26.06	0.4036	26.37	0.4335
Lowest	16QAM	1	0	22.73	0.1875	22.79	0.1901
Middle		1	37	23.68	0.2333	23.92	0.2466
Highest		1	37	24.10	0.2570	24.38	0.2742
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	23.79	0.2393	23.99	0.2506
Middle		1	49	24.87	0.3069	24.94	0.3119
Highest		1	99	25.78	0.3784	26.09	0.4064
Lowest	16QAM	1	0	22.44	0.1754	22.50	0.1778
Middle		1	49	23.78	0.2388	23.86	0.2432
Highest		1	99	24.35	0.2723	24.67	0.2931
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission

LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
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	5064	-45.71	-25	-20.71	-59.69	-51.49	3.49	9.27	H
	7598.52	-45.86	-25	-20.86	-62.40	-53.65	4.28	12.07	H
	10134	-42.22	-25	-17.22	-63.61	-49.52	5.1	12.40	H
	5064	-37.66	-25	-12.66	-54.93	-43.44	3.49	9.27	V
	7600	-44.95	-25	-19.95	-61.97	-52.74	4.28	12.07	V
	10134	-44.03	-25	-19.03	-65.13	-51.33	5.1	12.40	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
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	5064	-45.96	-25	-20.96	-59.94	-51.74	3.49	9.27	H
	7592	-47.01	-25	-22.01	-63.55	-54.80	4.28	12.07	H
	10125	-42.45	-25	-17.45	-63.84	-49.75	5.1	12.40	H
	5064	-38.14	-25	-13.14	-55.22	-43.92	3.49	9.27	V
	7592	-46.53	-25	-21.53	-63.55	-54.32	4.28	12.07	V
	10125	-43.59	-25	-18.59	-64.69	-50.89	5.1	12.40	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
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	5056	-45.86	-25	-20.86	-59.84	-51.64	3.49	9.27	H
	7585.02	-46.88	-25	-21.88	-63.42	-54.67	4.28	12.07	H
	10116	-43.83	-25	-18.83	-65.22	-51.13	5.1	12.40	H
	5056	-37.75	-25	-12.75	-54.99	-43.53	3.49	9.27	V
	7585.02	-45.15	-25	-20.15	-62.17	-52.94	4.28	12.07	V
	10116	-43.32	-25	-18.32	-64.42	-50.62	5.1	12.40	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
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	5052.18	-46.04	-25	-21.04	-60.02	-51.82	3.49	9.27	H
	7576	-47.22	-25	-22.22	-63.76	-55.01	4.28	12.07	H
	10107	-44.31	-25	-19.31	-65.70	-51.61	5.1	12.40	H
	5056	-39.56	-25	-14.56	-55.98	-45.34	3.49	9.27	V
	7576	-45.49	-25	-20.49	-62.51	-53.28	4.28	12.07	V
	10107	-42.41	-25	-17.41	-63.51	-49.71	5.1	12.40	V

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