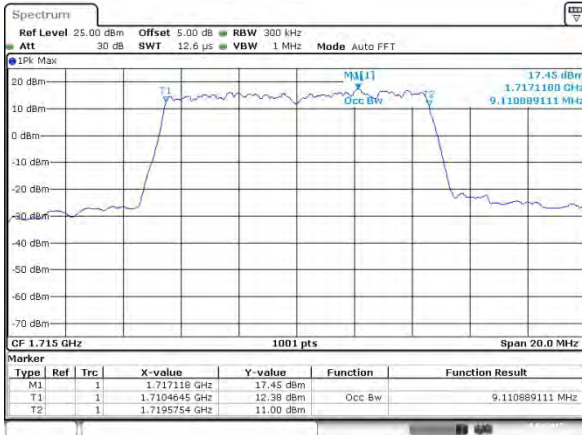


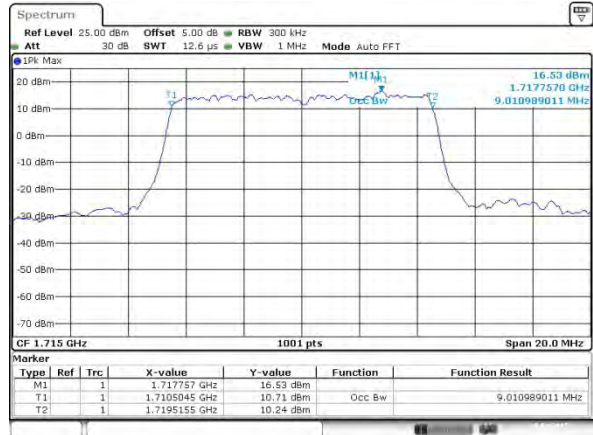


LTE Band 4

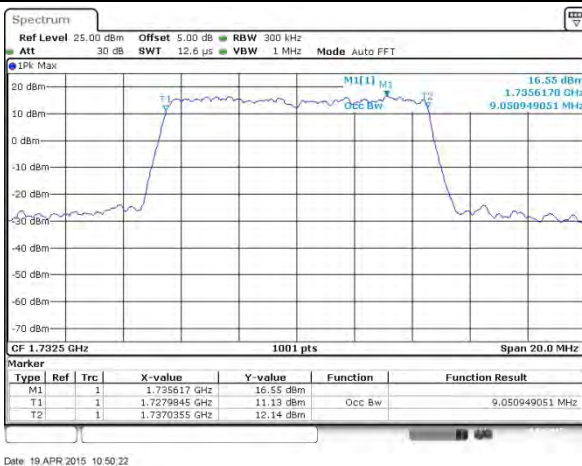
Lowest Channel / 10MHz / QPSK



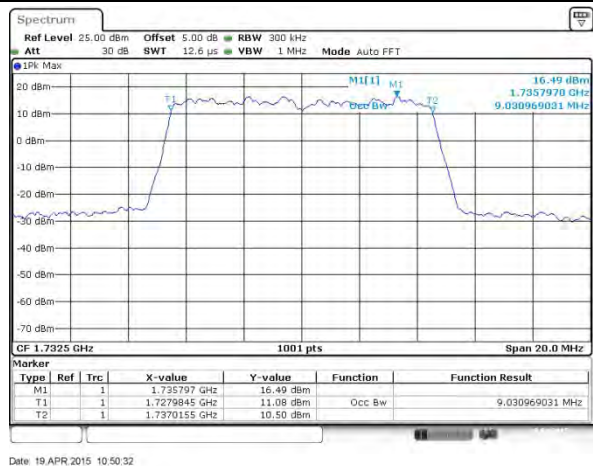
Lowest Channel / 10MHz / 16QAM



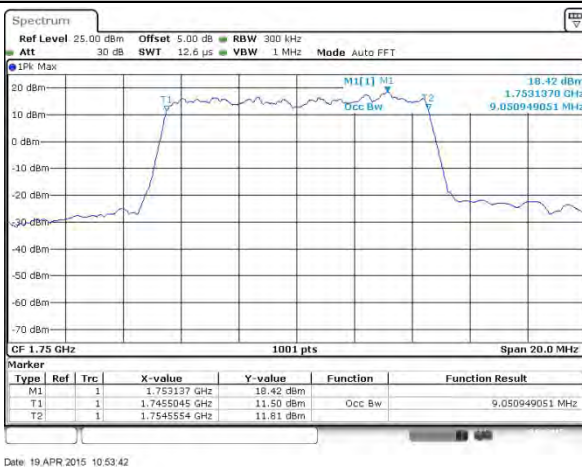
Middle Channel / 10MHz / QPSK



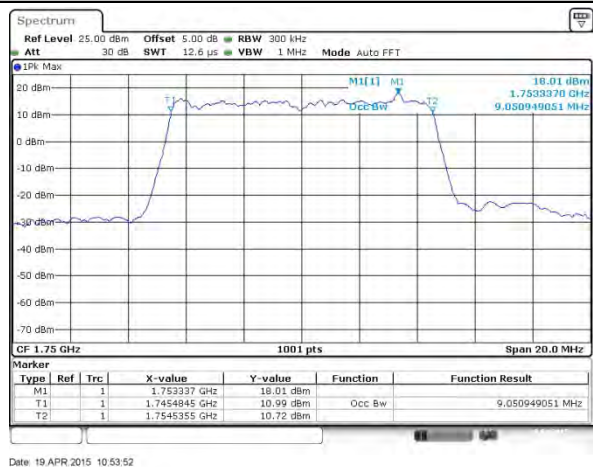
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



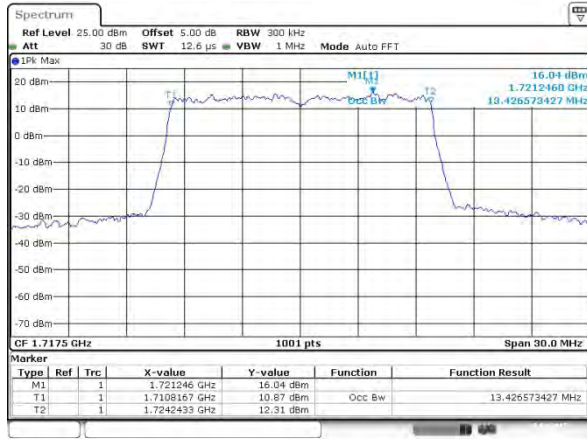
Highest Channel / 10MHz / 16QAM



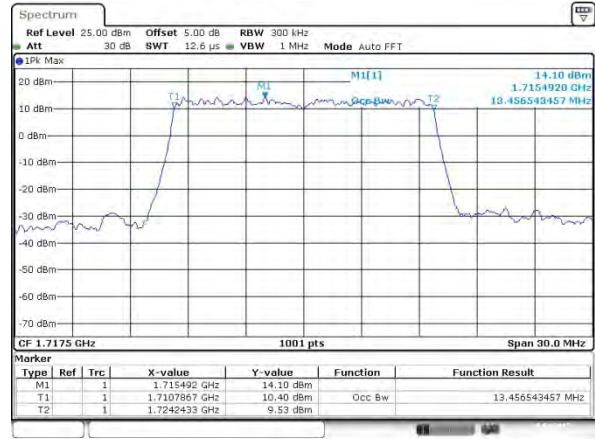


LTE Band 4

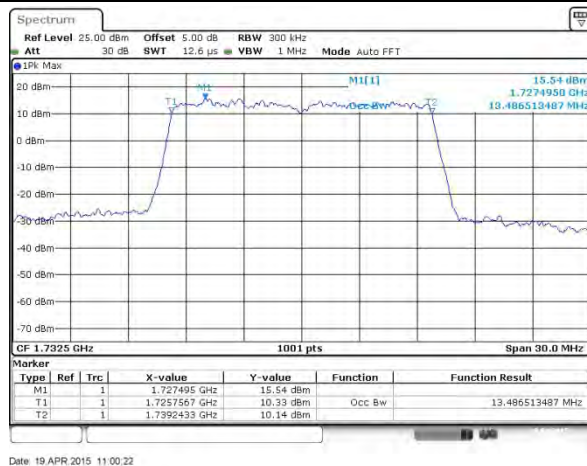
Lowest Channel / 15MHz / QPSK



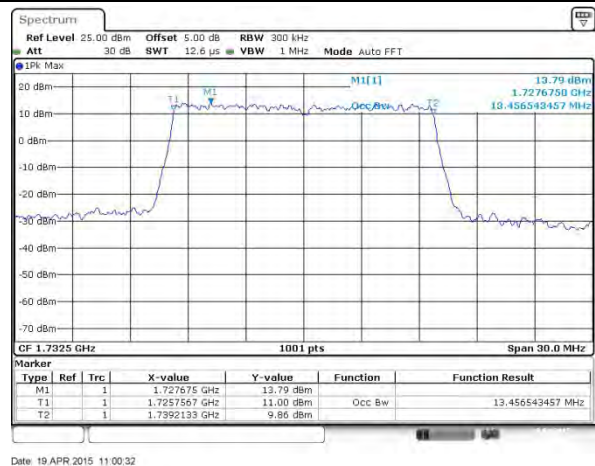
Lowest Channel / 15MHz / 16QAM



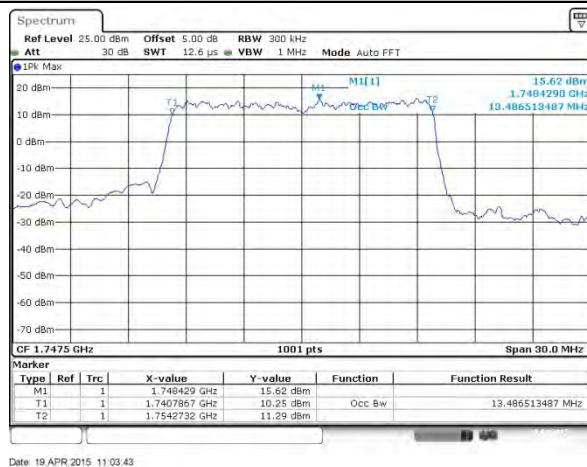
Middle Channel / 15MHz / QPSK



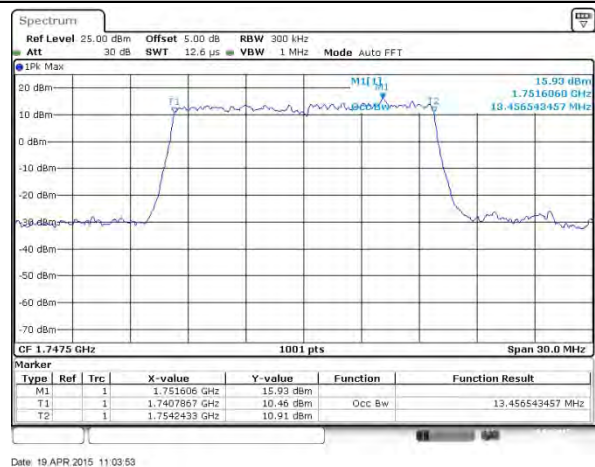
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



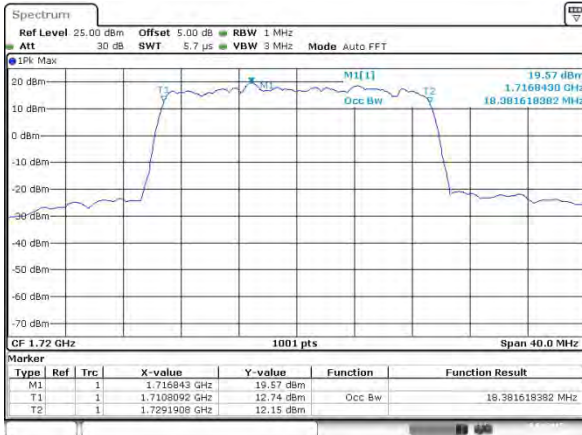
Highest Channel / 15MHz / 16QAM



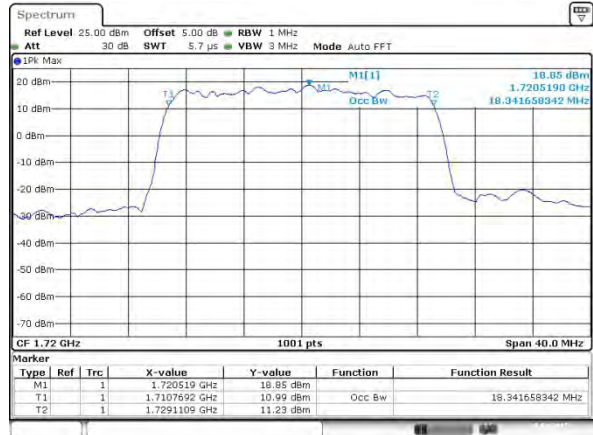


LTE Band 4

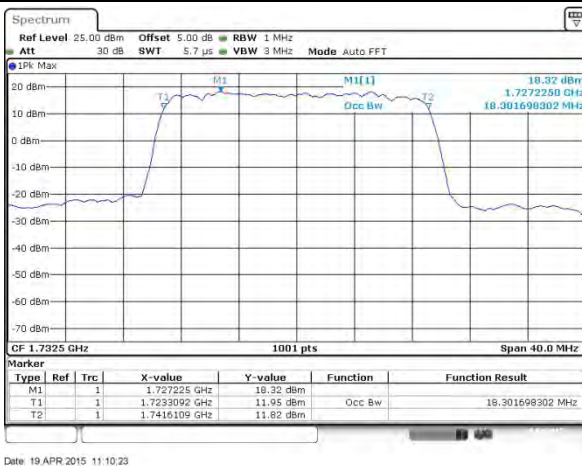
Lowest Channel / 20MHz / QPSK



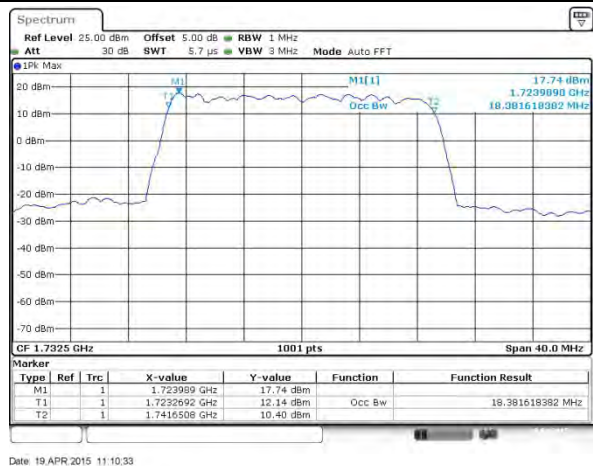
Lowest Channel / 20MHz / 16QAM



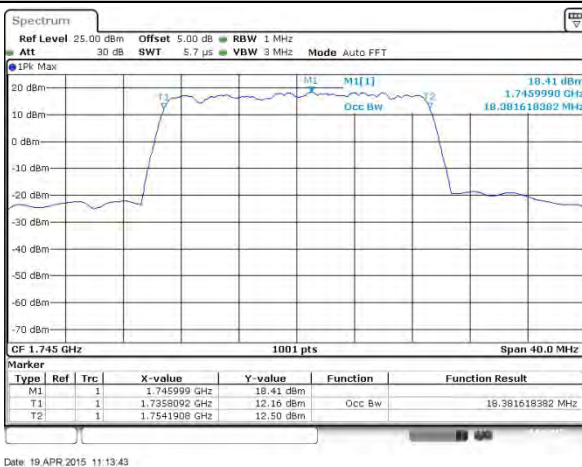
Middle Channel / 20MHz / QPSK



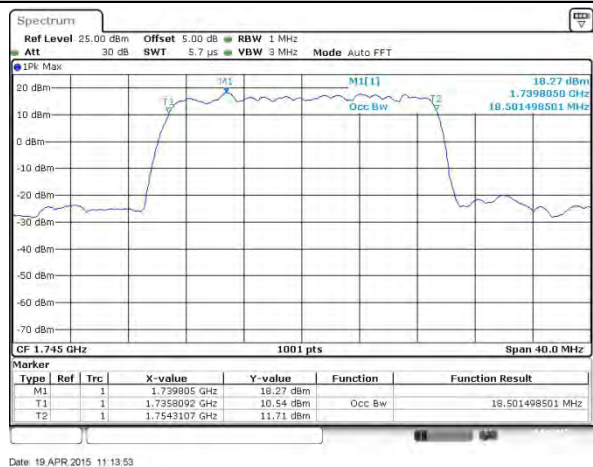
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



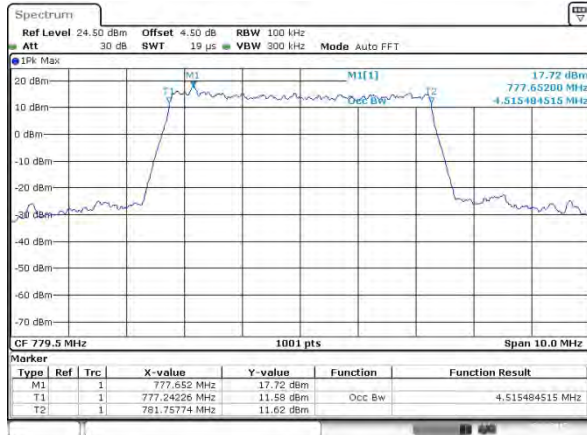
Highest Channel / 20MHz / 16QAM



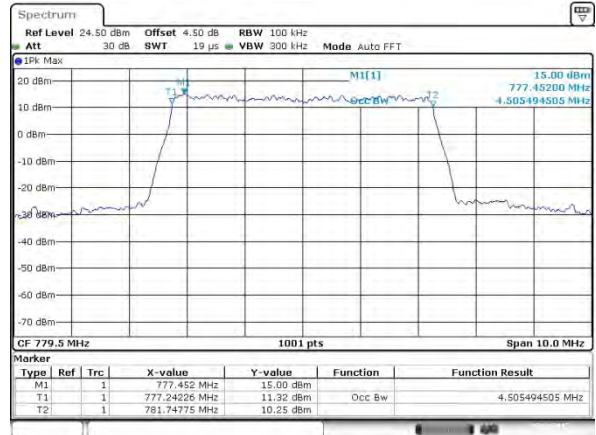


LTE Band 13

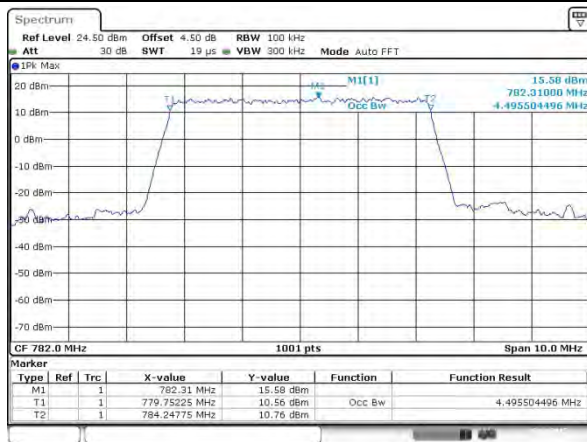
Lowest Channel / 5MHz / QPSK



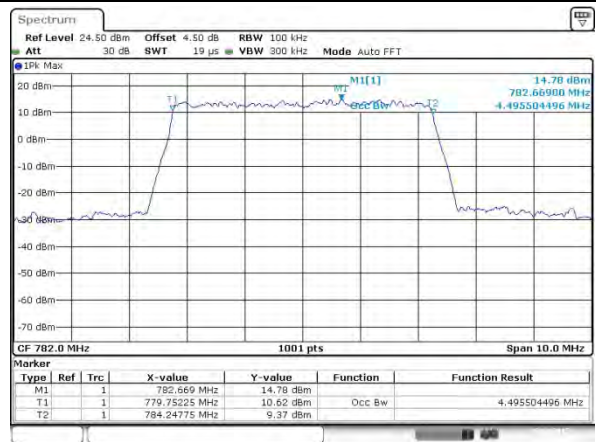
Lowest Channel / 5MHz / 16QAM



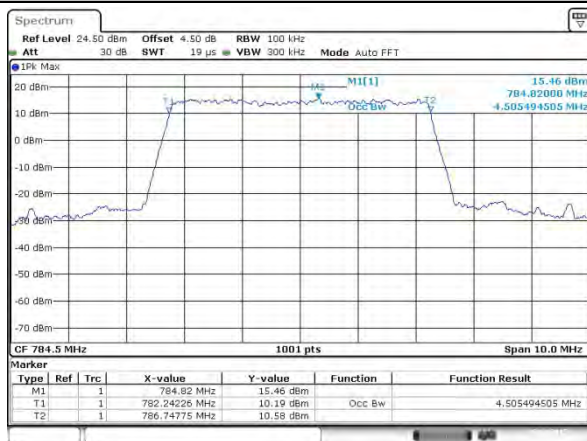
Middle Channel / 5MHz / QPSK



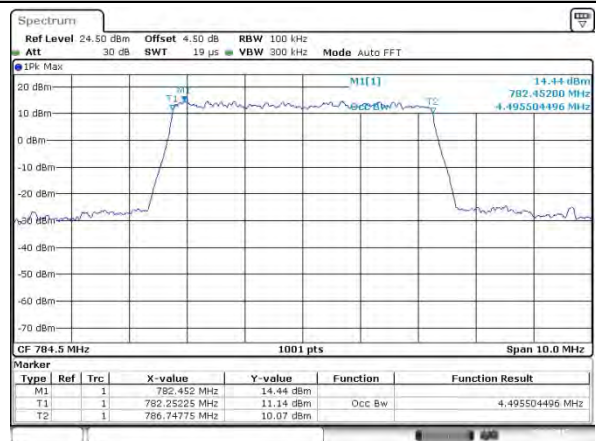
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



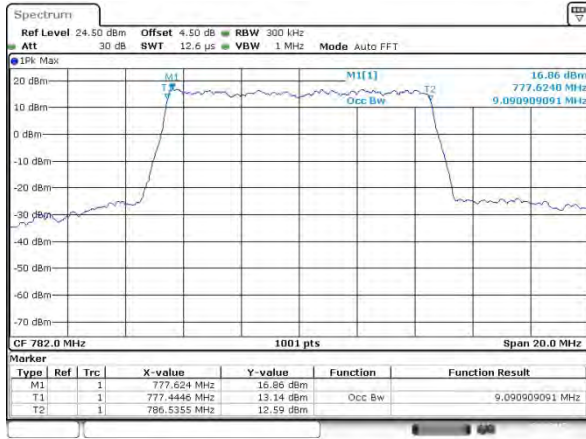
Highest Channel / 5MHz / 16QAM



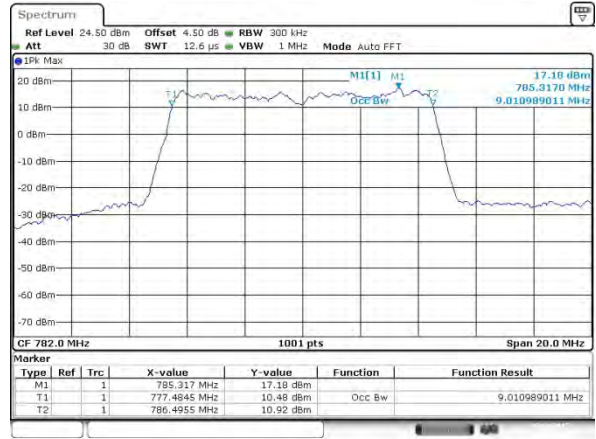


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



**Conducted Band Edge****LTE Band 4 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



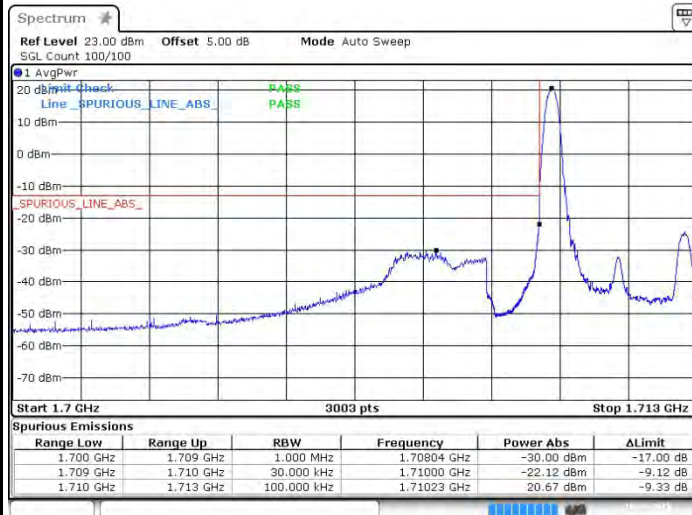
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / QPSK

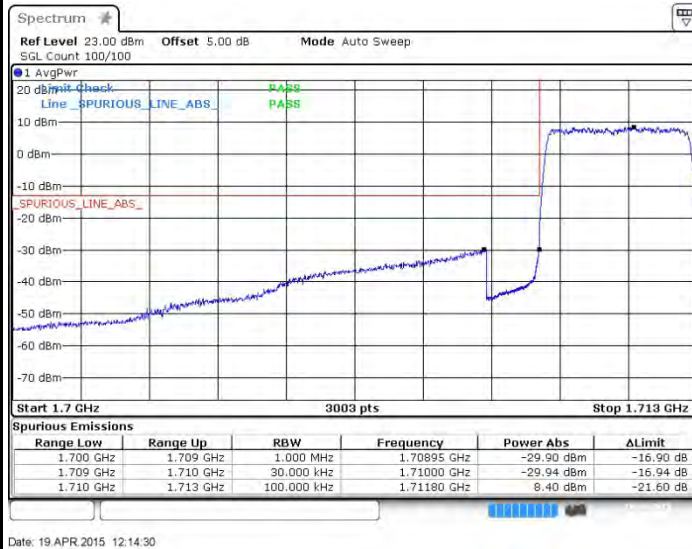
Lowest Band Edge / 1RB



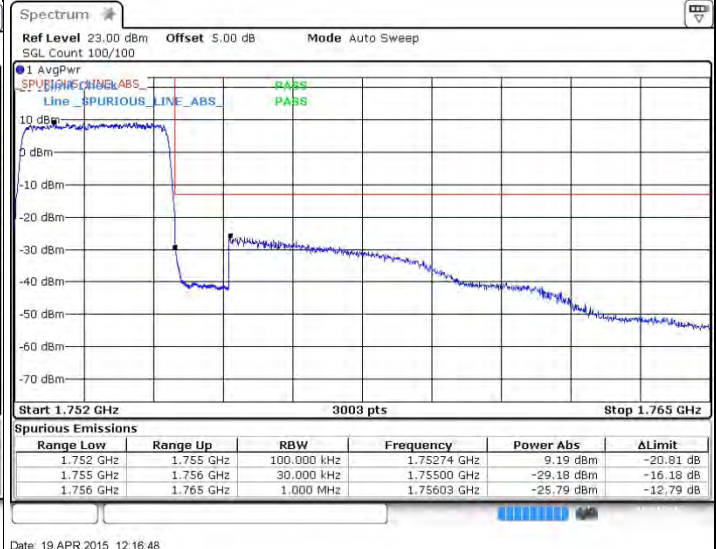
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



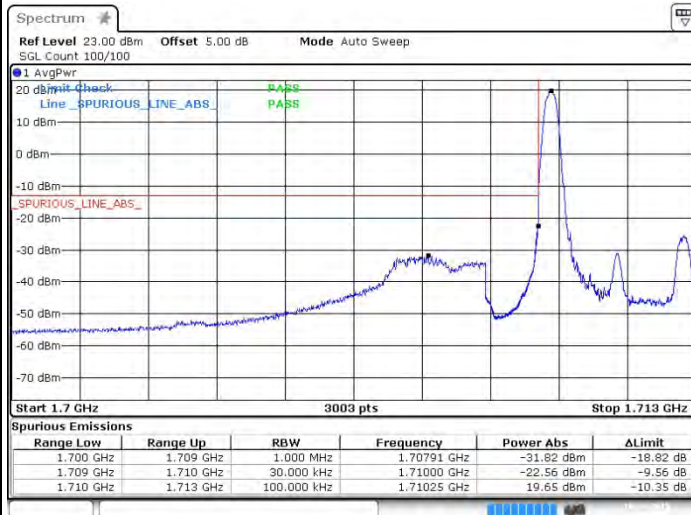
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



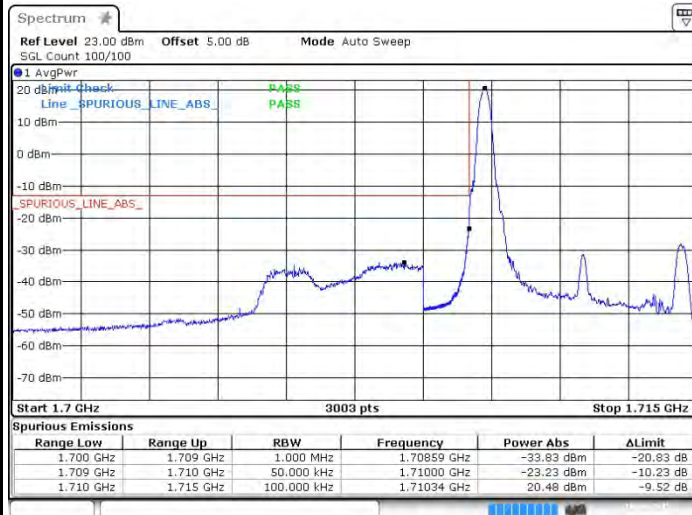
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / QPSK

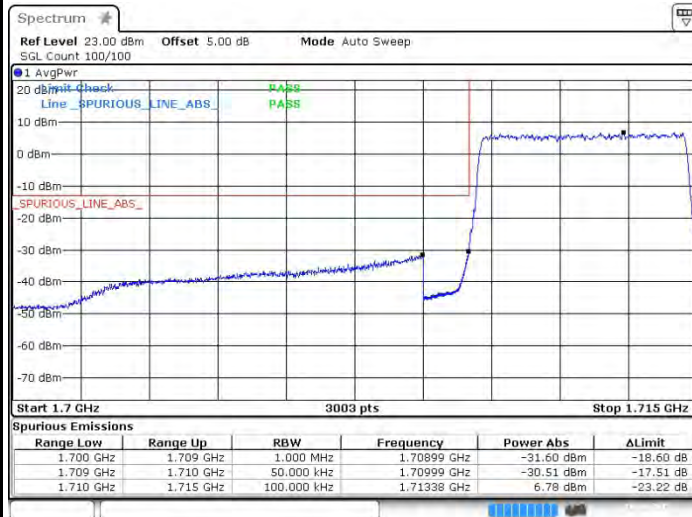
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



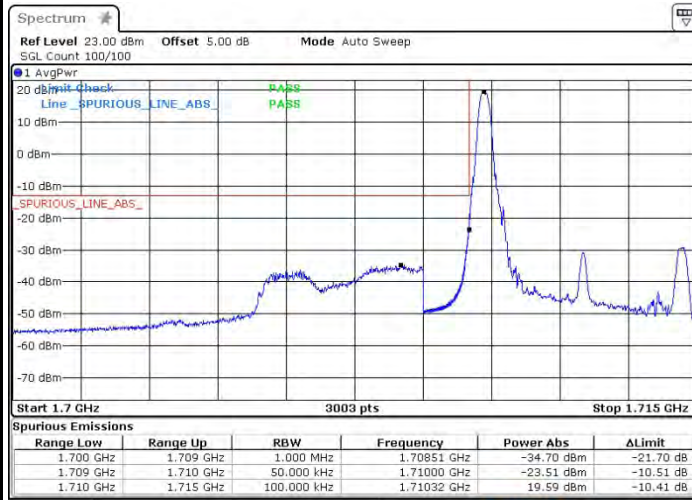
Highest Band Edge / Full RB



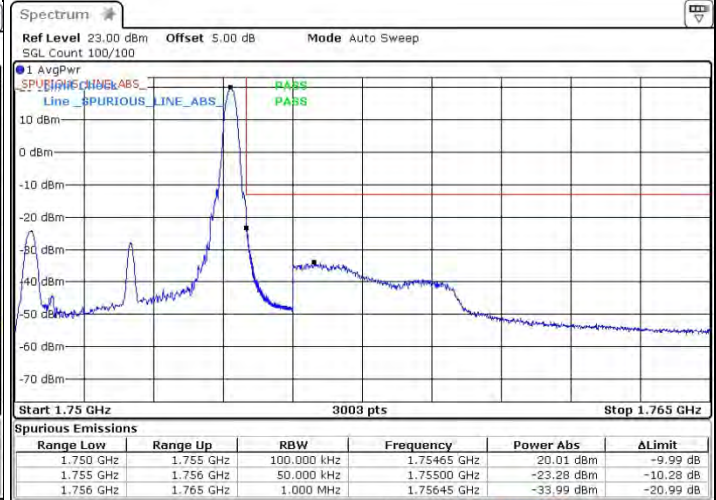


LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



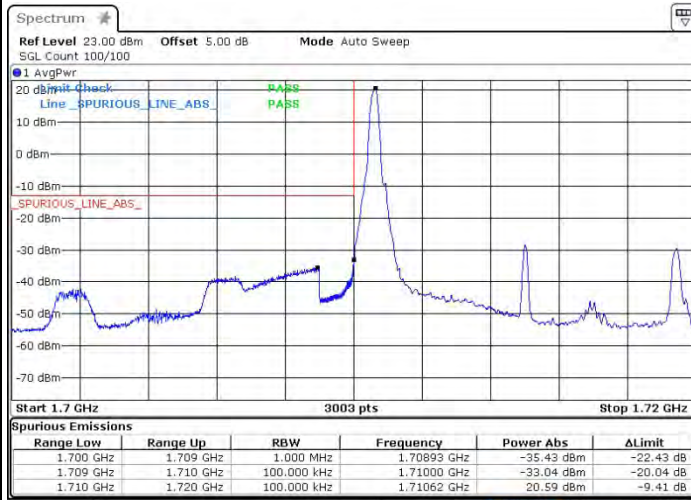
Highest Band Edge / Full RB



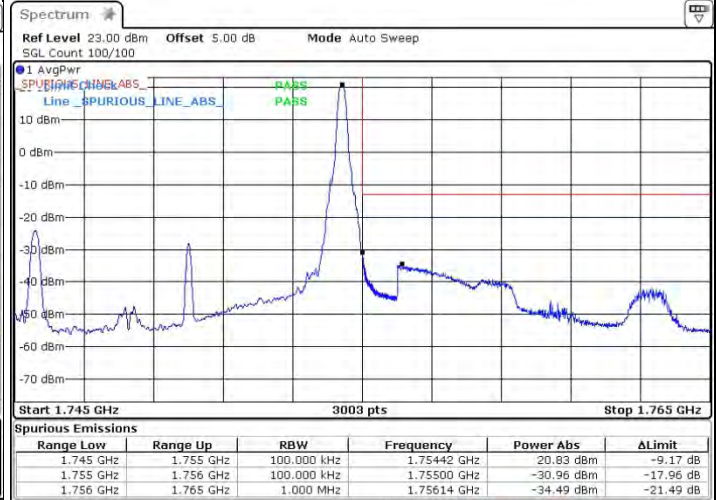


LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



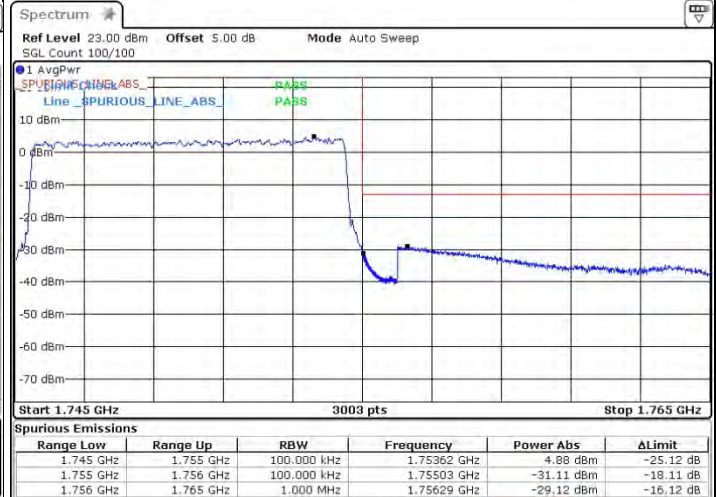
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



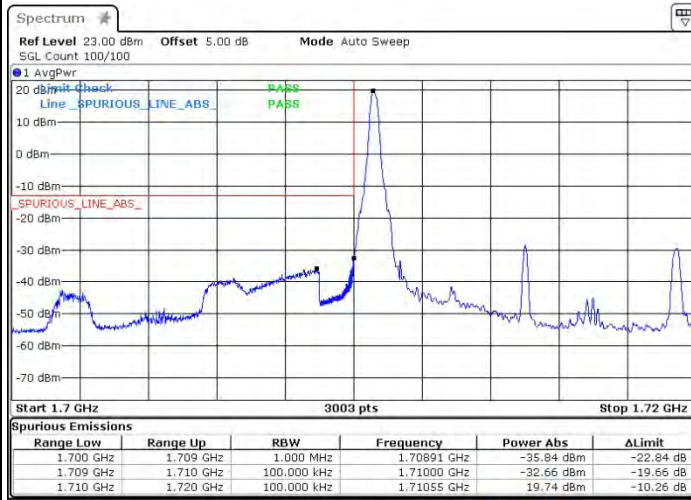
Highest Band Edge / Full RB



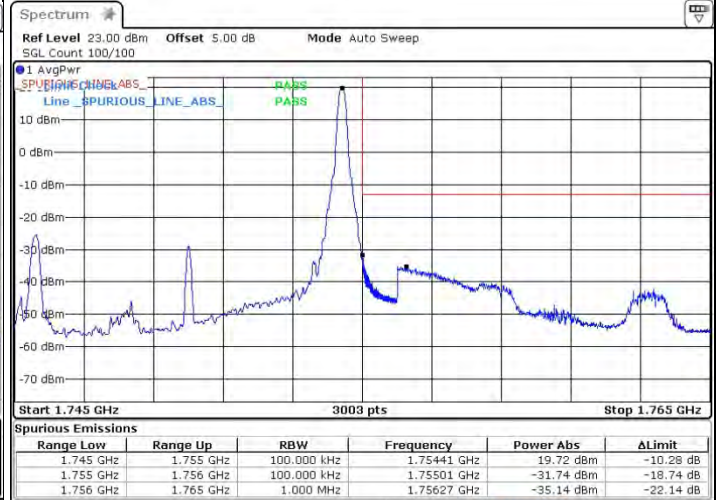


LTE Band 4 / 10MHz / 16QAM

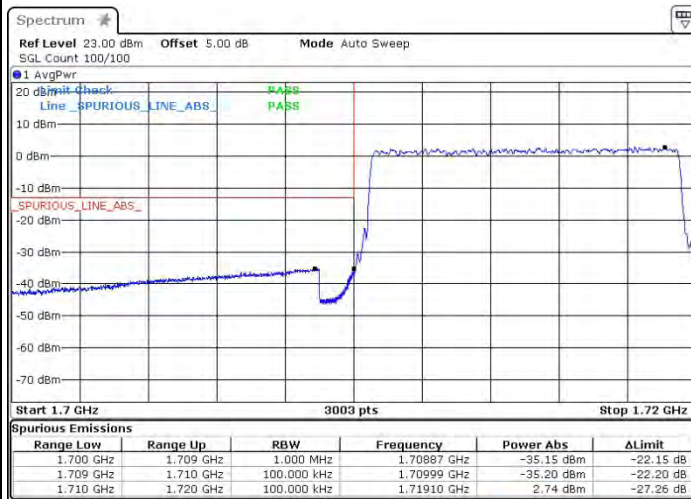
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



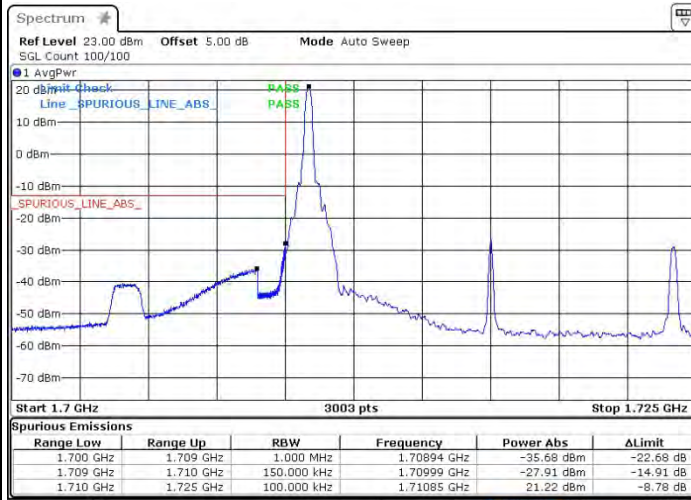
Highest Band Edge / Full RB





LTE Band 4 / 15MHz / QPSK

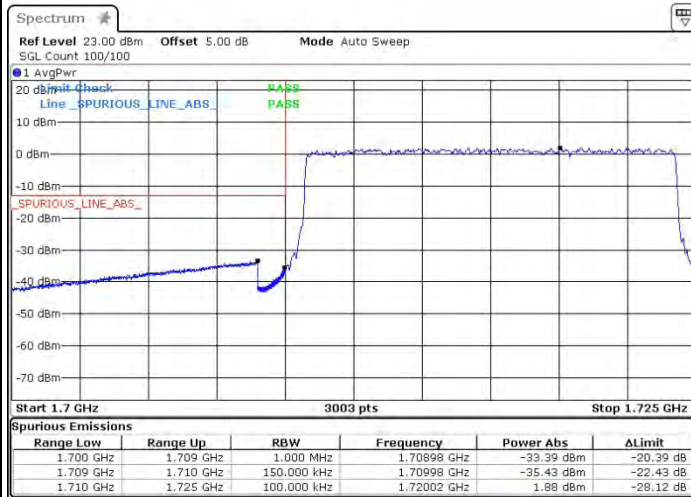
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



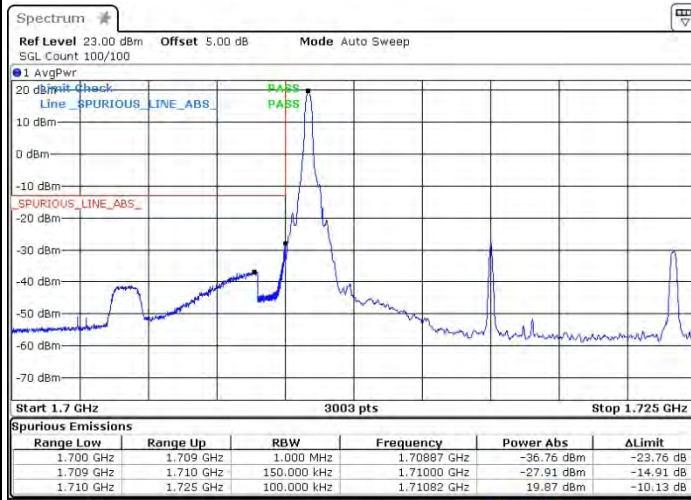
Highest Band Edge / Full RB



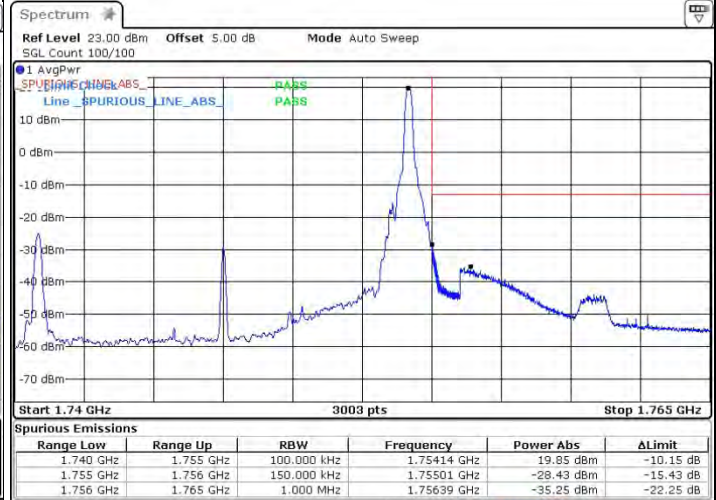


LTE Band 4 / 15MHz / 16QAM

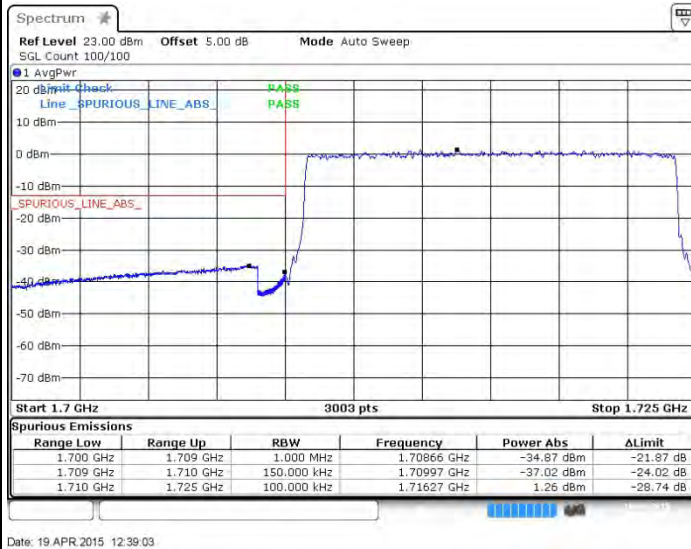
Lowest Band Edge / 1 RB



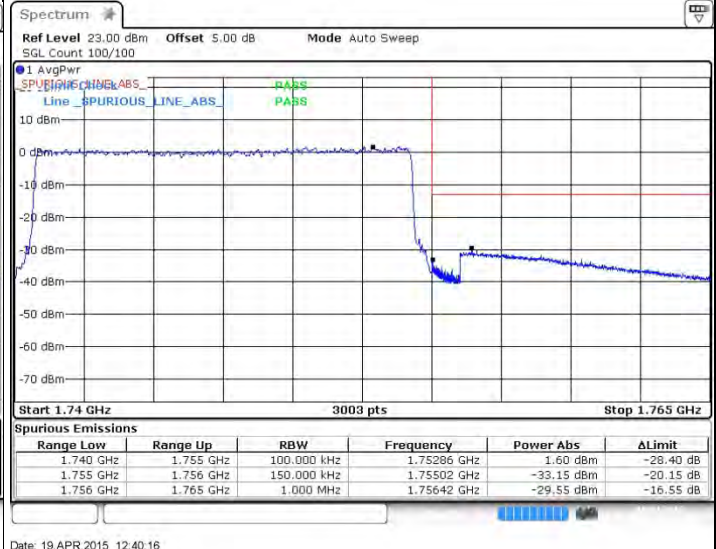
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



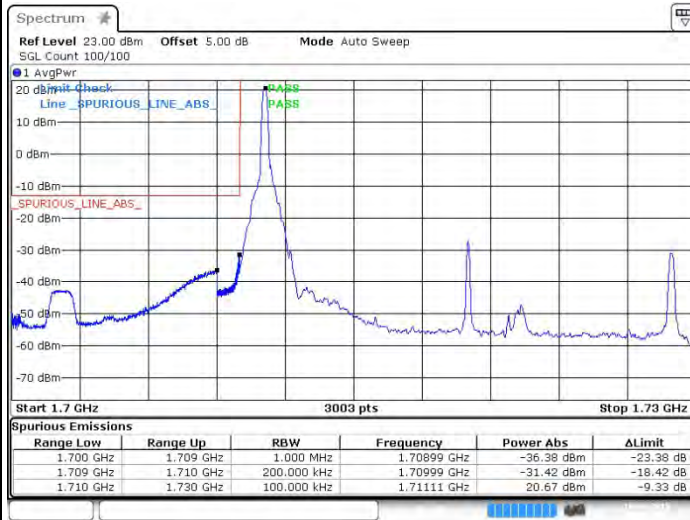
Highest Band Edge / Full RB



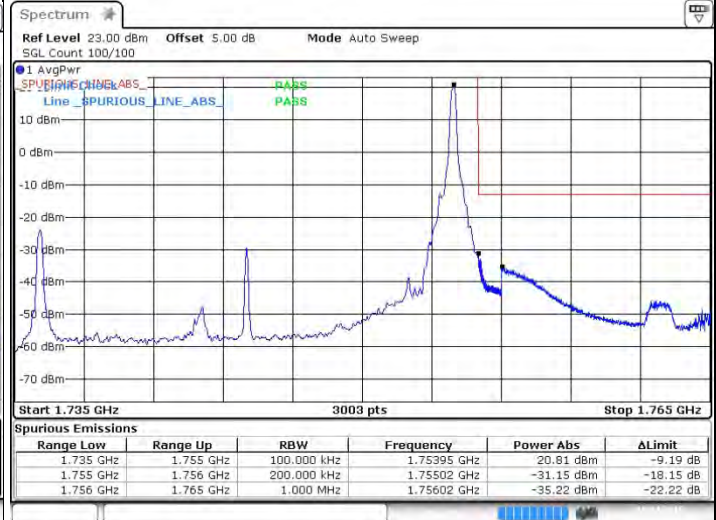


LTE Band 4 / 20MHz / QPSK

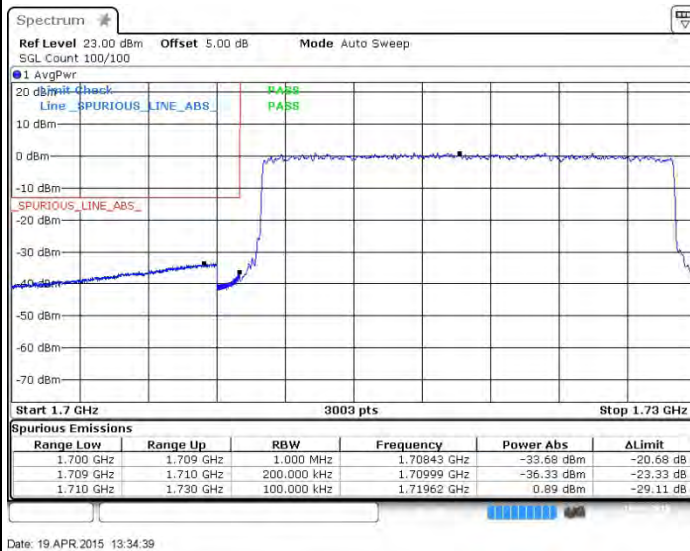
Lowest Band Edge / 1 RB



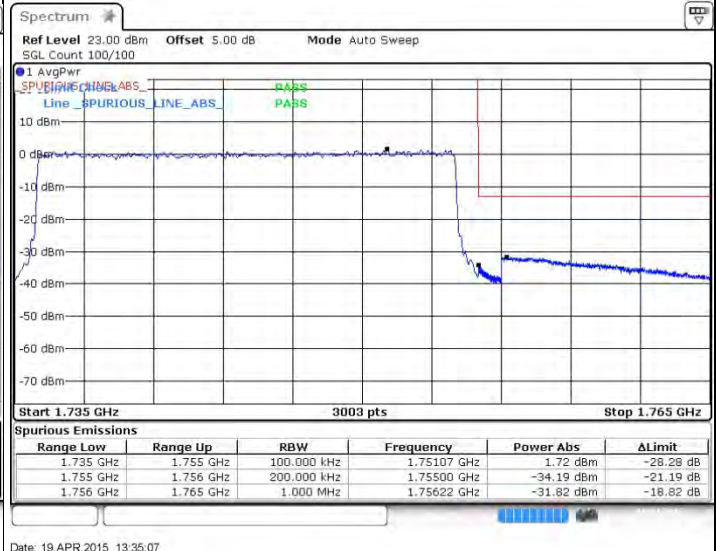
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



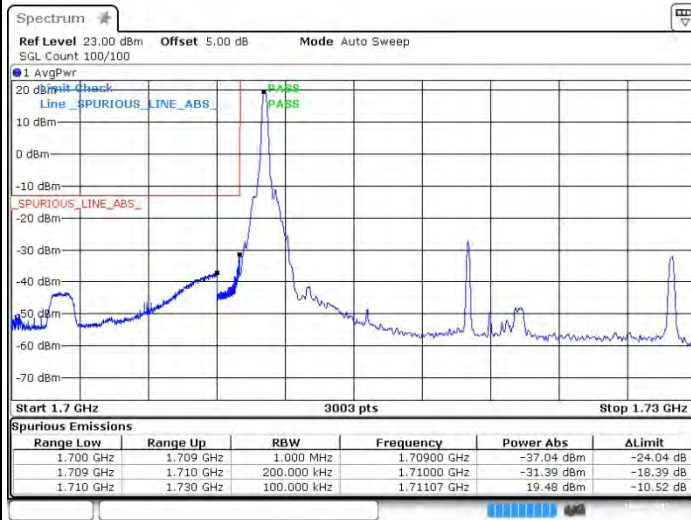
Highest Band Edge / Full RB



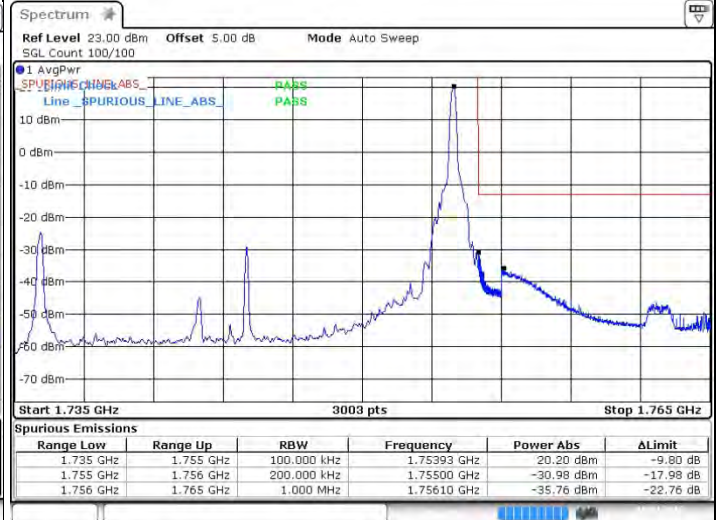


LTE Band 4 / 20MHz / 16QAM

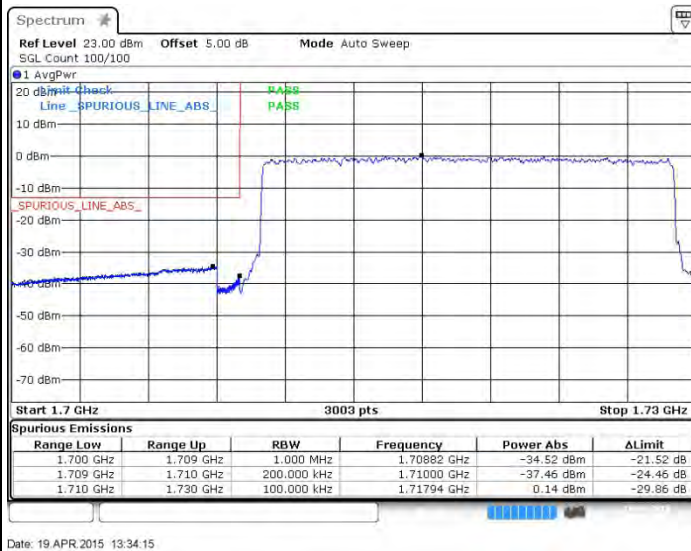
Lowest Band Edge / 1 RB



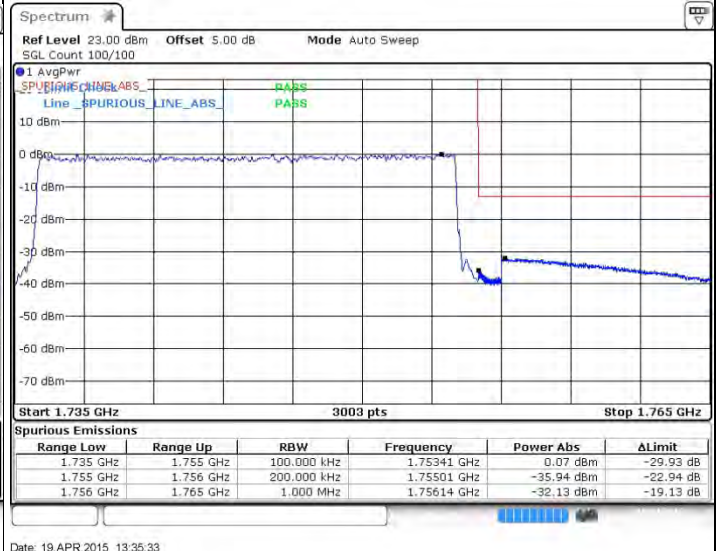
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



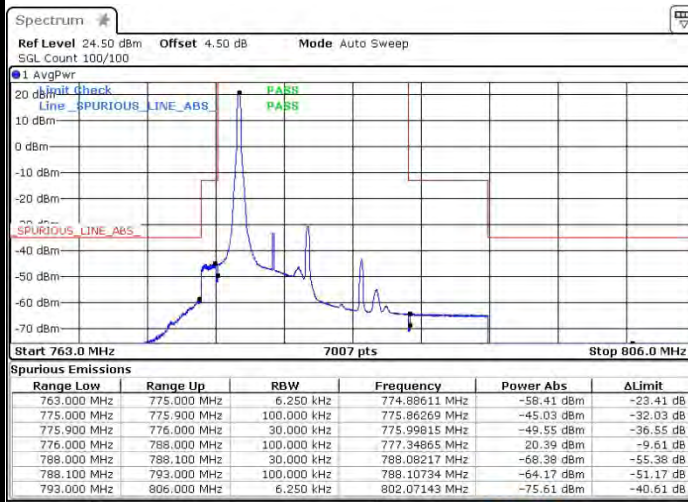
Highest Band Edge / Full RB



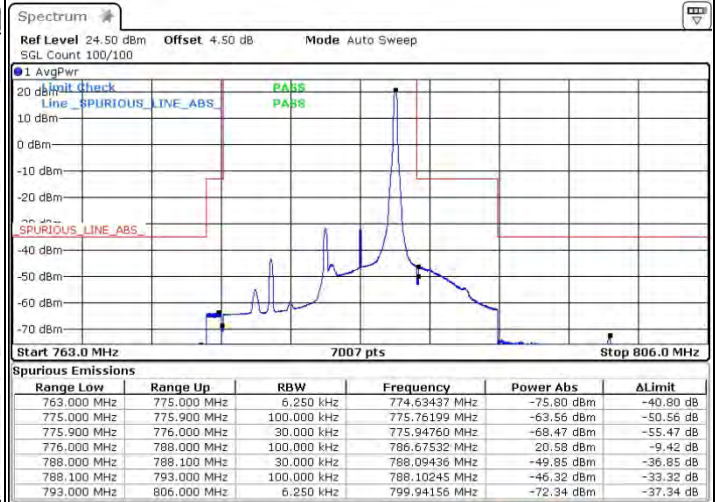


LTE Band 13 / 5MHz / QPSK

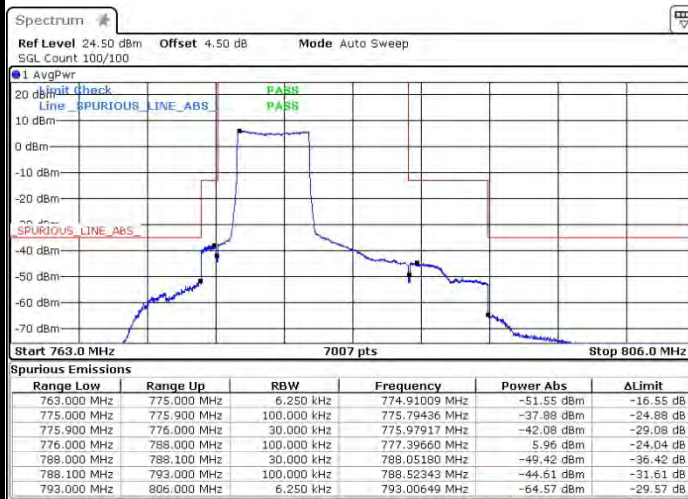
Lowest Band Edge / 1 RB



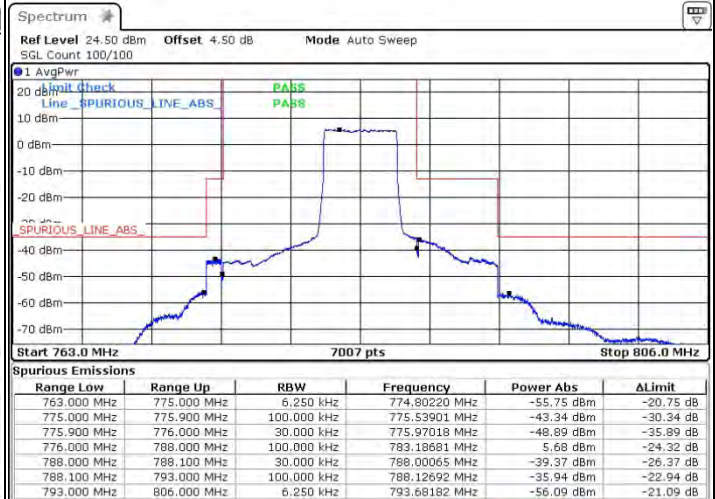
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



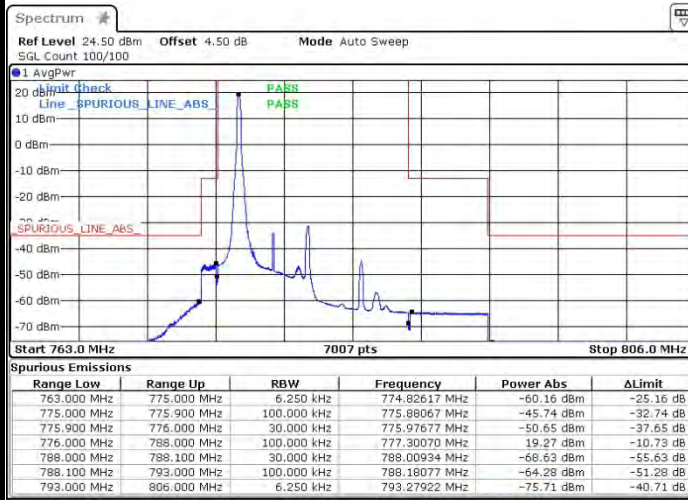
Highest Band Edge / Full RB



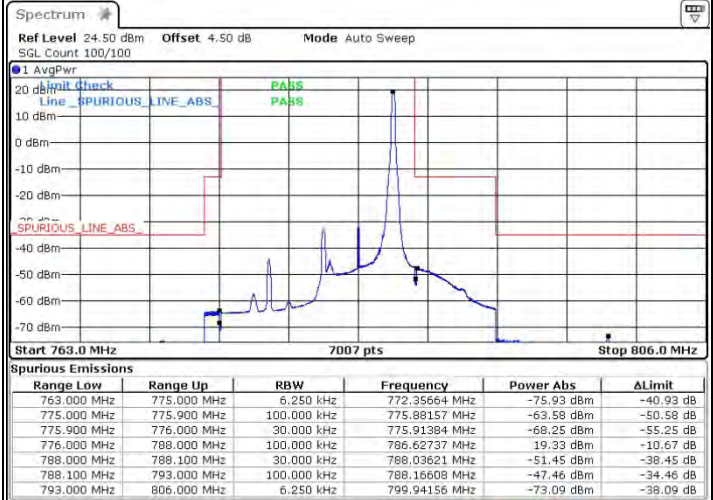


LTE Band 13 / 5MHz / 16QAM

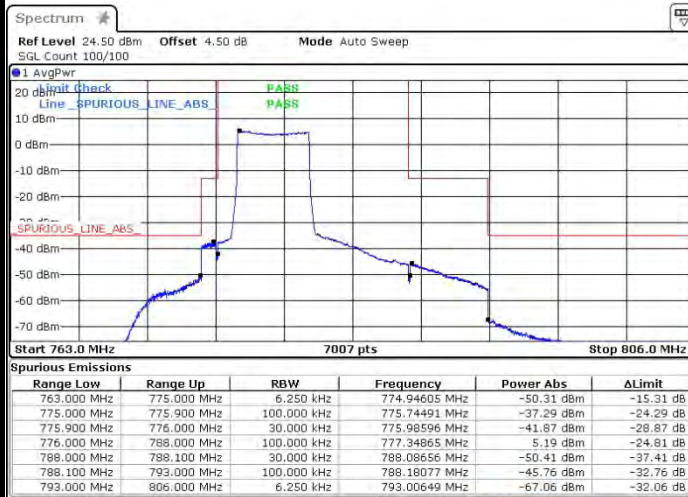
Lowest Band Edge / 1 RB



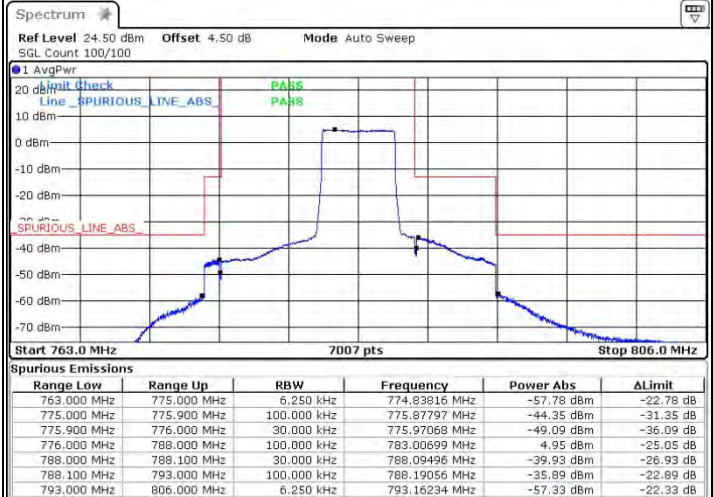
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



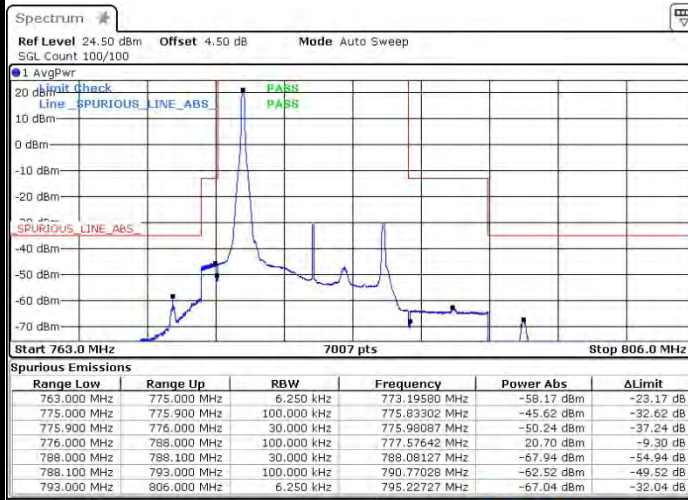
Highest Band Edge / Full RB



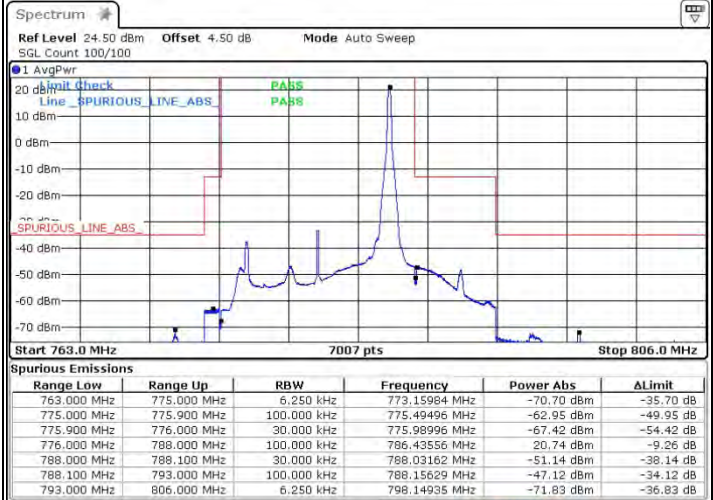


LTE Band 13 / 10MHz / QPSK

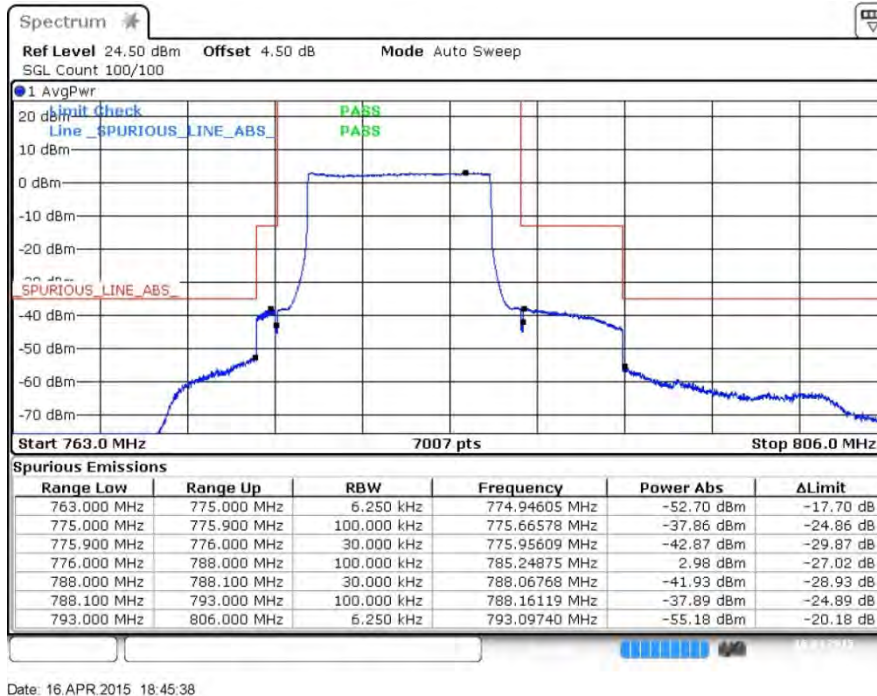
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB



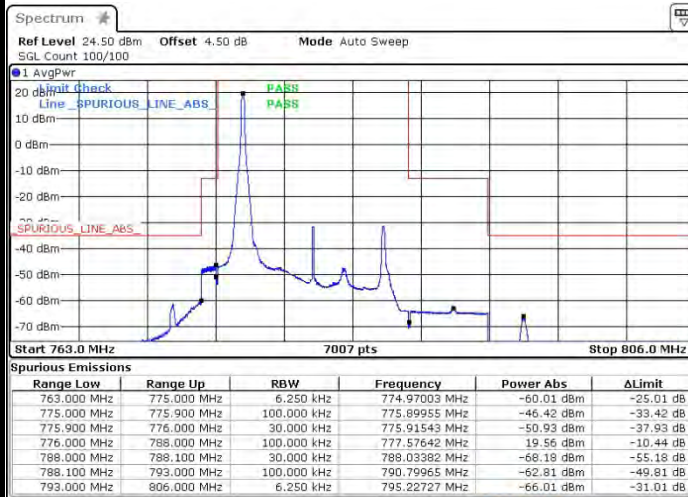
Middle Band Edge / Full RB



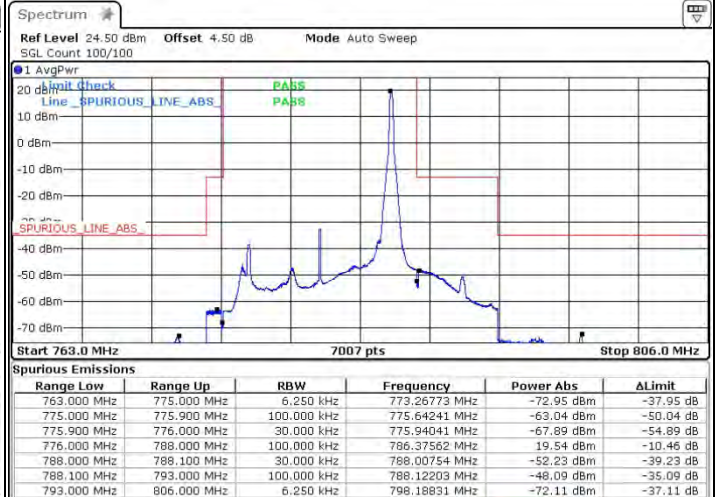


LTE Band 13 / 10MHz / 16QAM

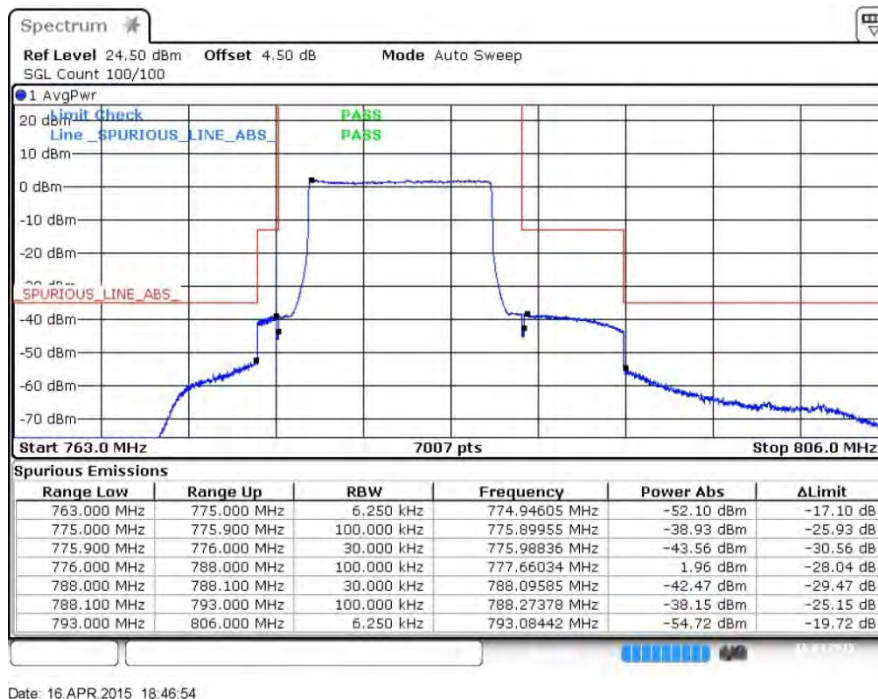
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB



Middle Band Edge / Full RB





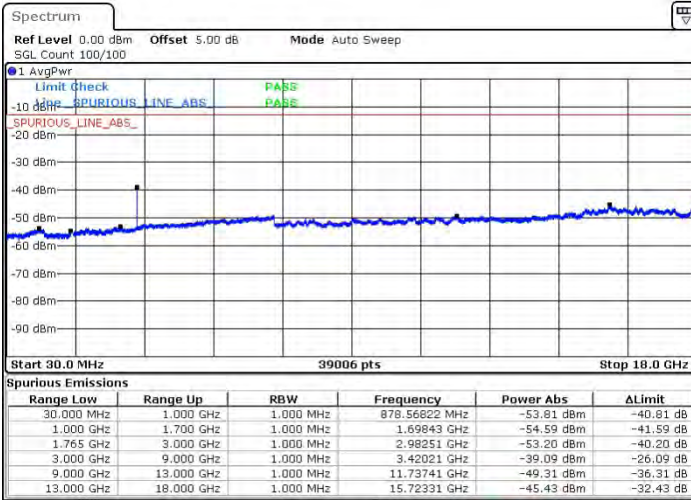
Conducted Spurious Emission



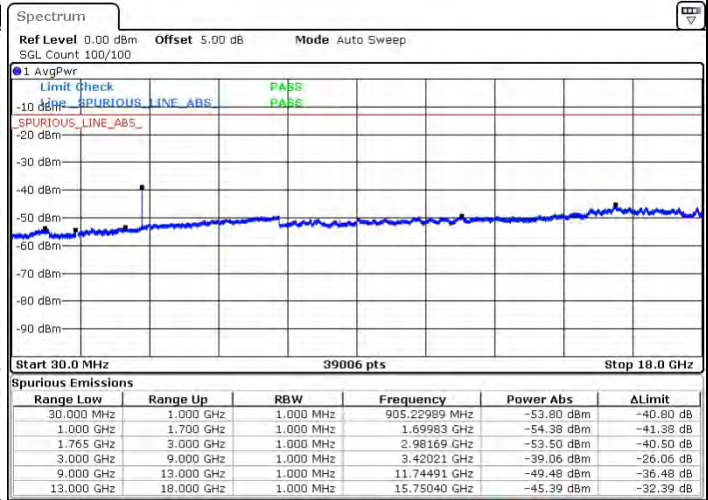
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



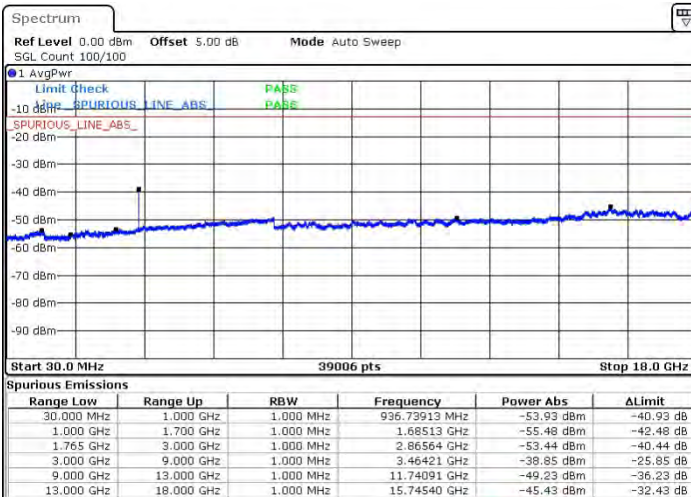
Date: 19.APR.2015 10:18:41



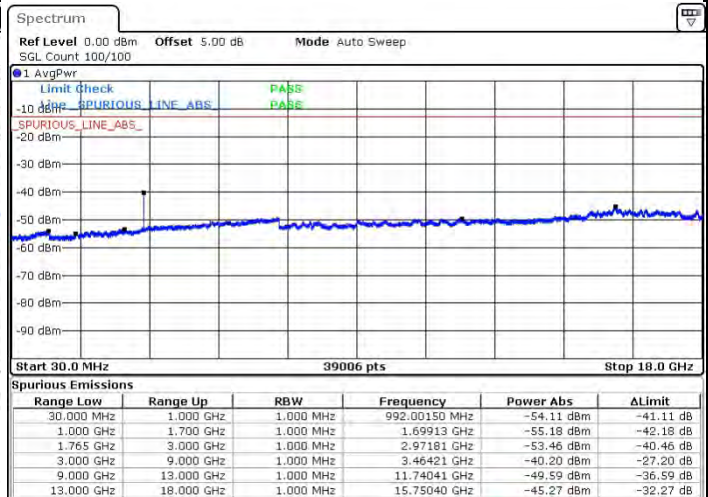
Date: 19.APR.2015 10:20:00

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19.APR.2015 10:22:02



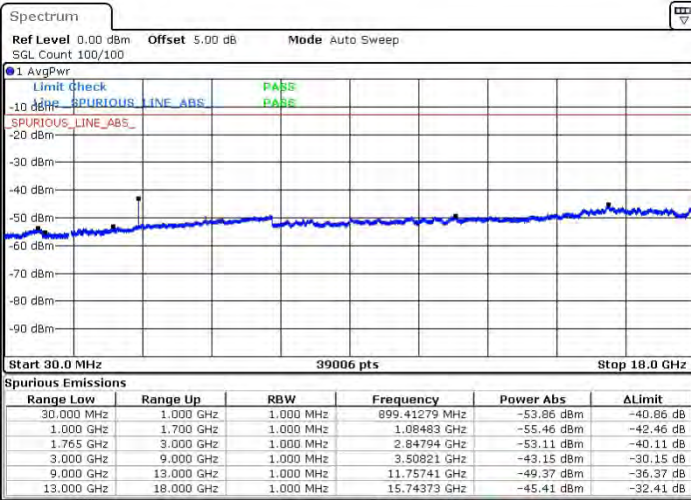
Date: 19.APR.2015 10:23:20



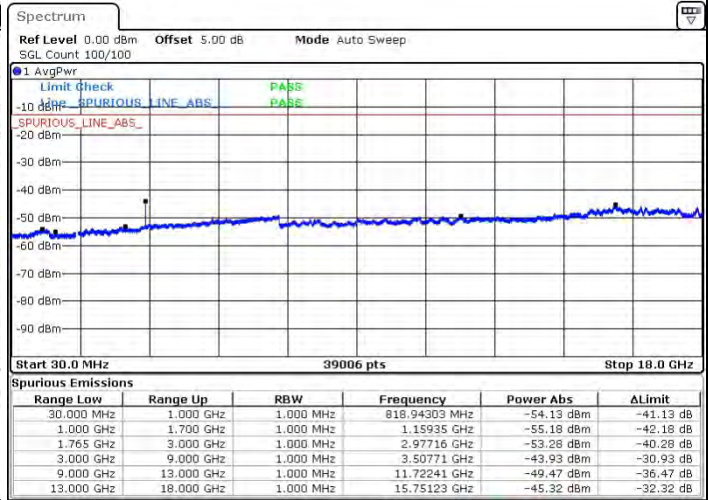
LTE Band 4 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.APR.2015 10:25:22

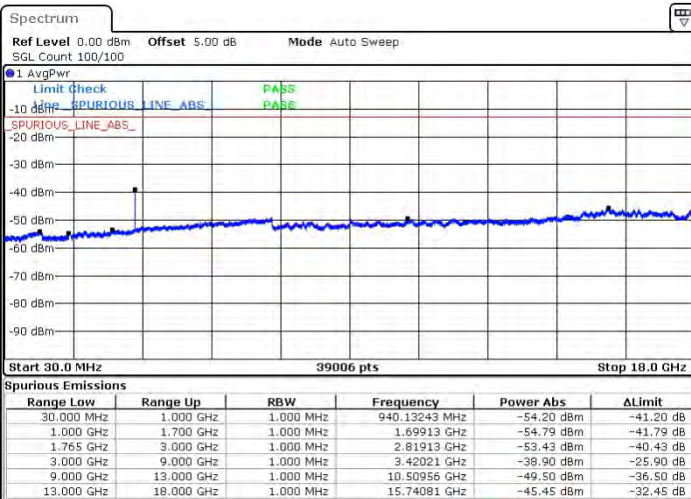


Date: 19.APR.2015 10:26:40

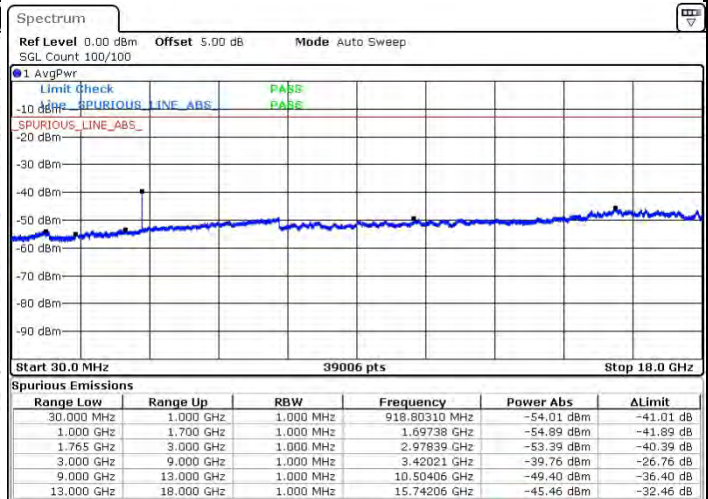
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 19.APR.2015 10:28:42



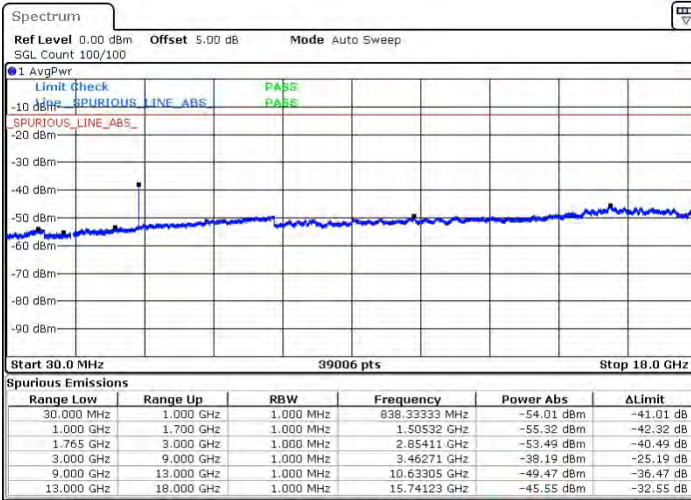
Date: 19.APR.2015 10:30:00



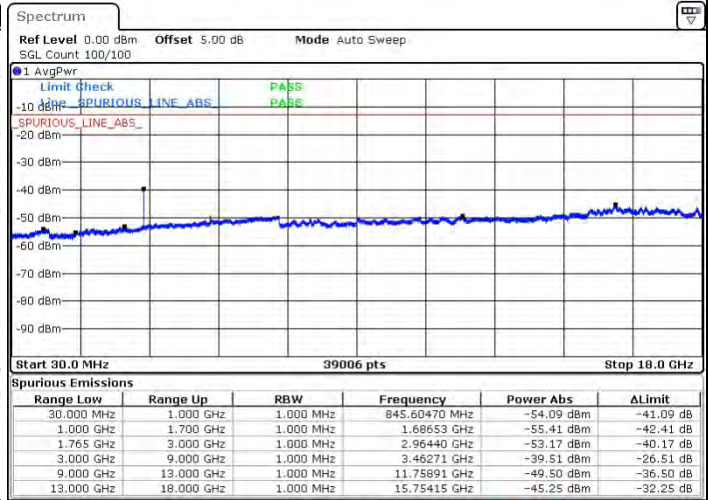
LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



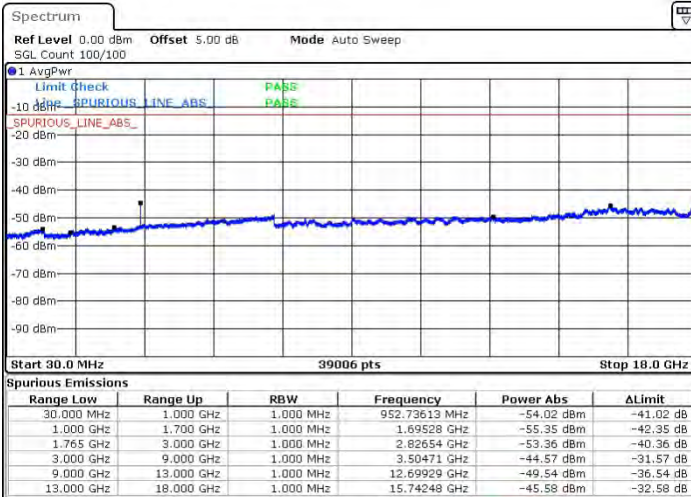
Date: 19.APR.2015 10:32:02



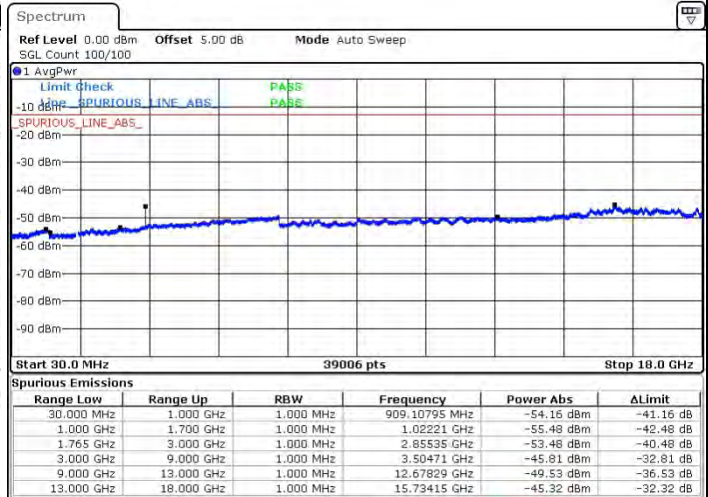
Date: 19.APR.2015 10:33:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.APR.2015 10:35:22



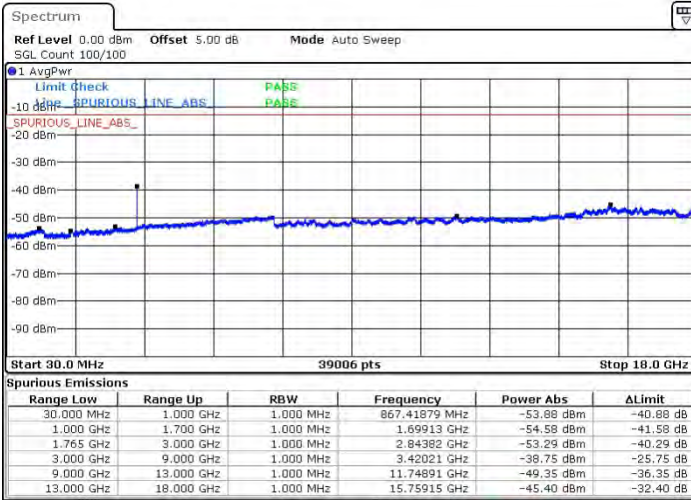
Date: 19.APR.2015 10:36:40



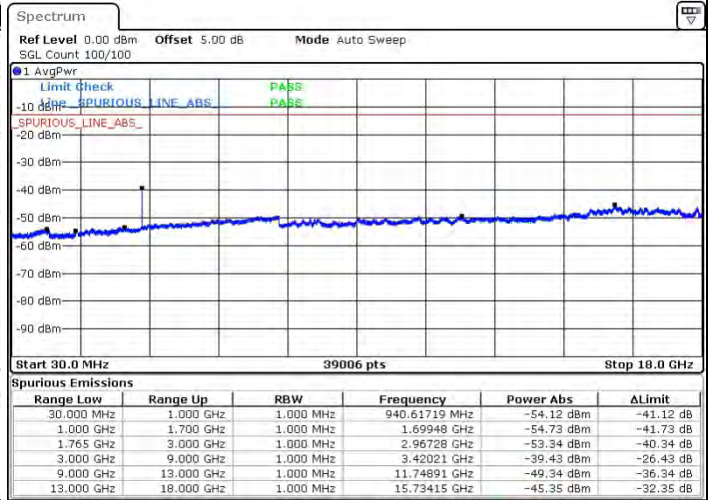
LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



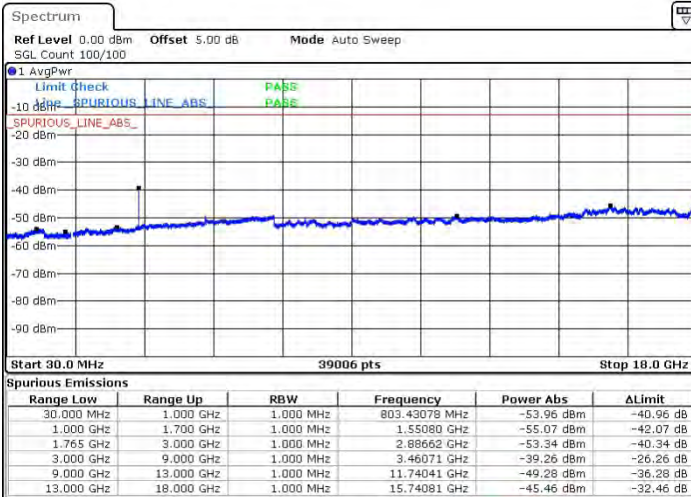
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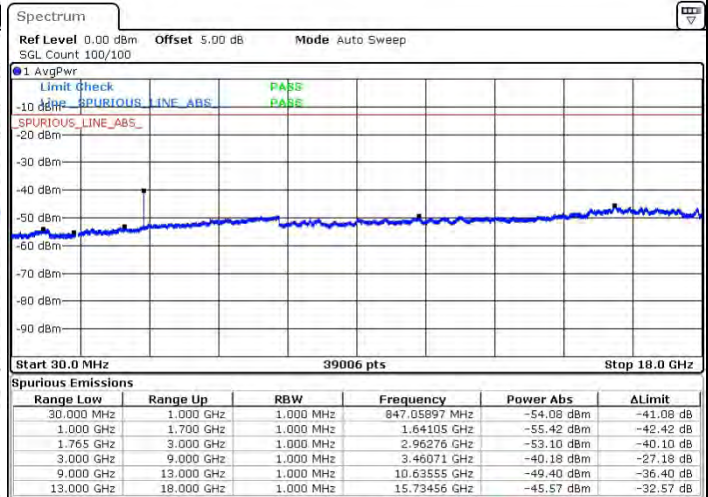
Date: 19.APR.2015 10:40:01

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19.APR.2015 10:42:02



Date: 19.APR.2015 10:43:21

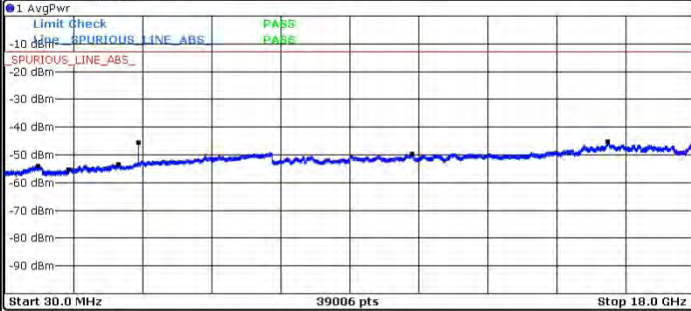


LTE Band 4 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

Spectrum

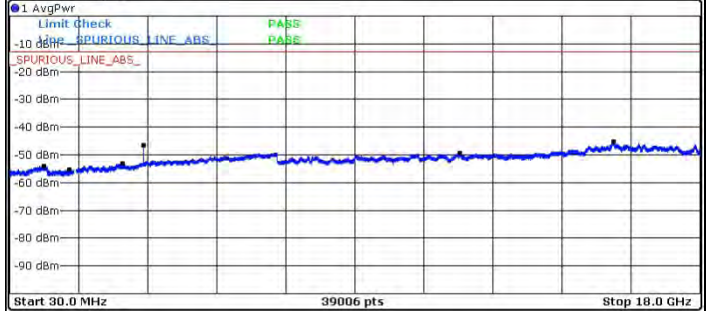
Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.08046 MHz	-54.08 dBm	-41.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-55.31 dBm	-42.31 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98374 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50071 GHz	-45.66 dBm	-32.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62505 GHz	-49.54 dBm	-36.54 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72706 GHz	-45.42 dBm	-32.42 dB

Date: 19.APR.2015 10:45:23

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.57249 GHz	-55.43 dBm	-42.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95946 GHz	-53.26 dBm	-40.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50071 GHz	-46.58 dBm	-33.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74391 GHz	-49.46 dBm	-36.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74998 GHz	-45.41 dBm	-32.41 dB

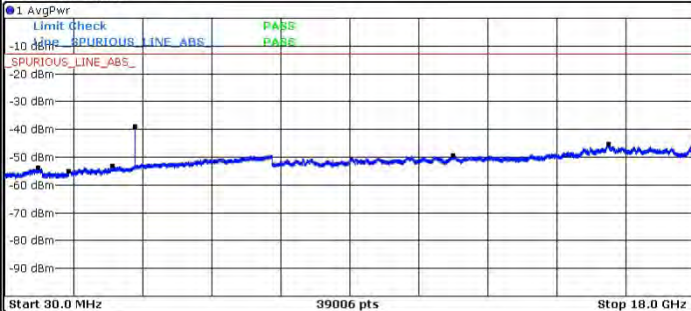
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LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

Spectrum

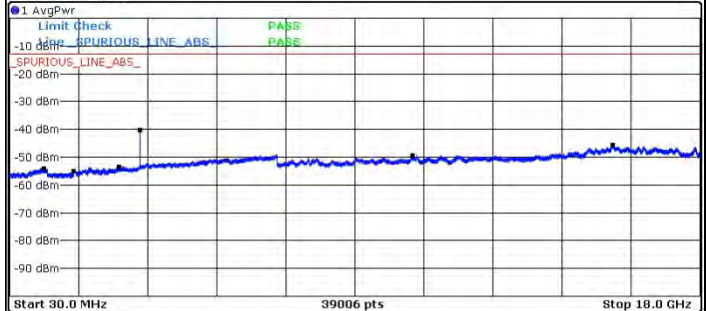
Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-53.92 dBm	-40.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-54.88 dBm	-41.88 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83354 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42121 GHz	-38.88 dBm	-25.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.69441 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74915 GHz	-45.37 dBm	-32.37 dB

Date: 19.APR.2015 10:48:43

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-54.10 dBm	-41.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.93 dBm	-41.93 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86687 GHz	-53.51 dBm	-40.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42121 GHz	-40.12 dBm	-27.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.50656 GHz	-49.34 dBm	-36.34 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72290 GHz	-45.59 dBm	-32.59 dB

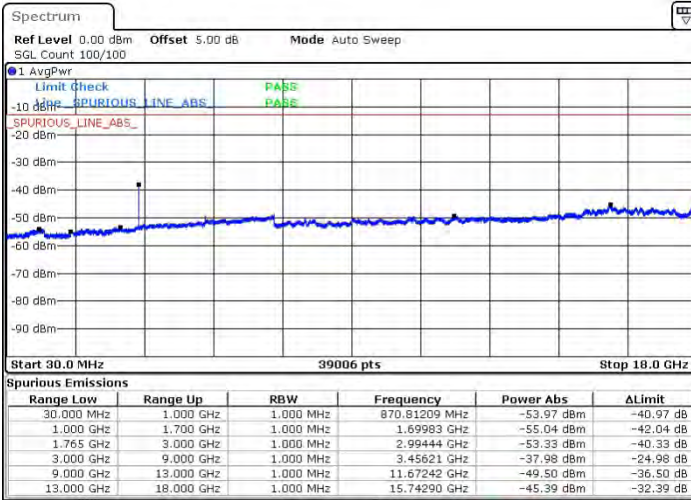
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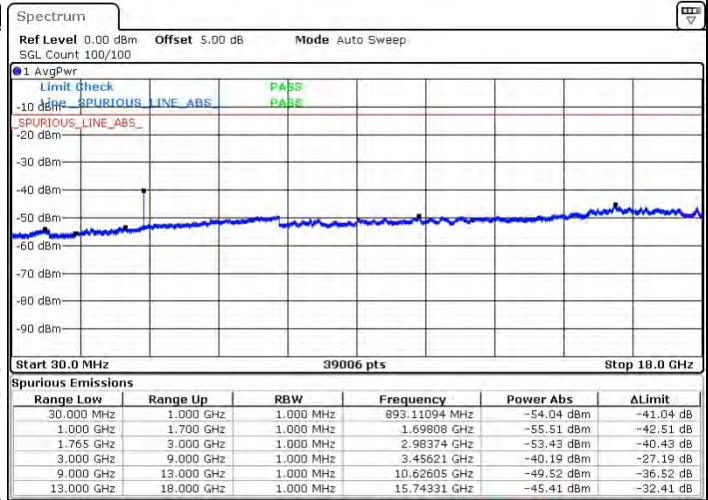
LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



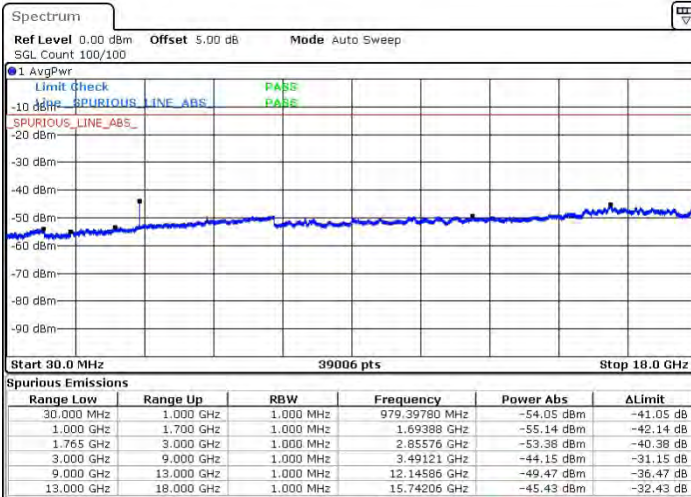
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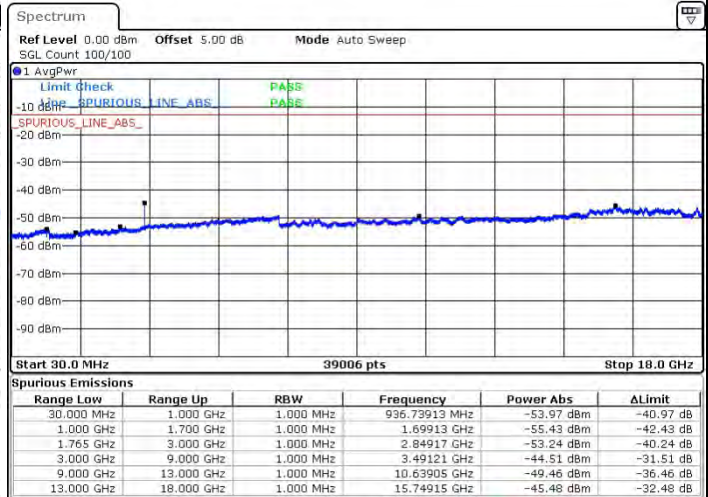
Date: 19.APR.2015 10:53:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.APR.2015 10:55:23



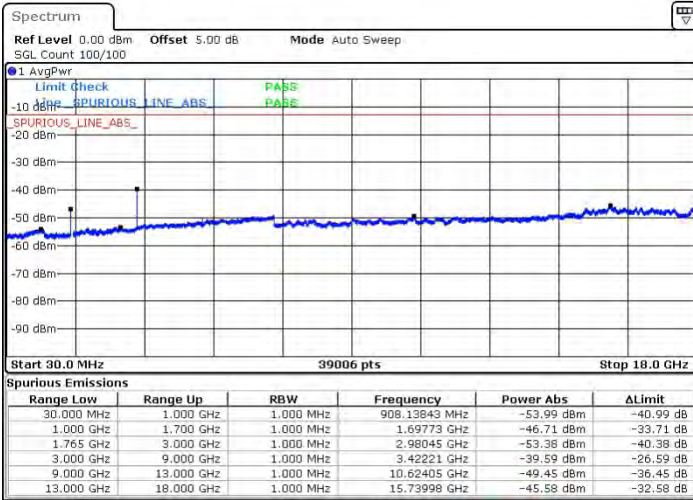
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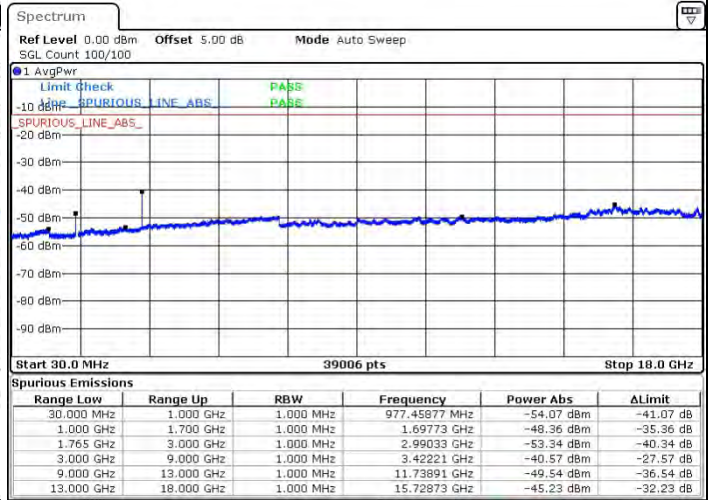
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



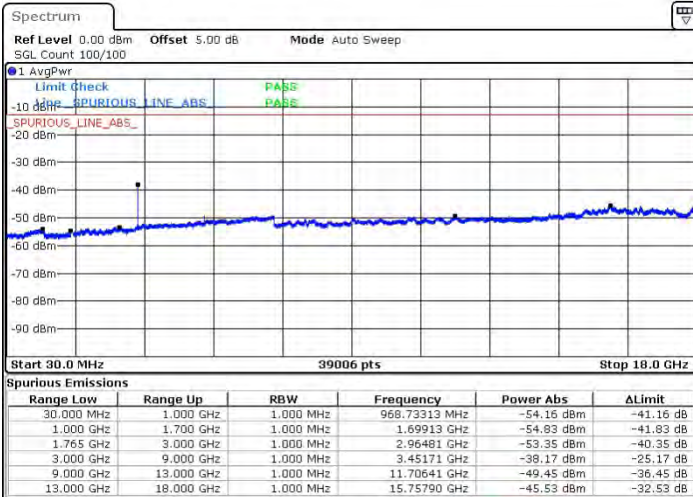
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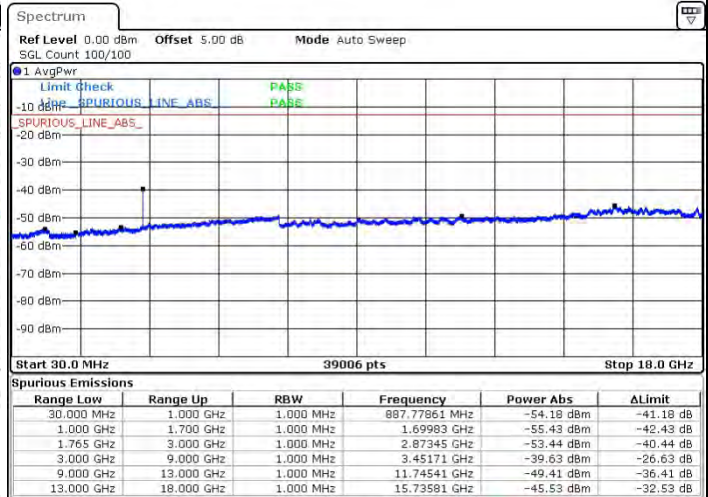
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Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19.APR.2015 11:02:04



Date: 19.APR.2015 11:03:22

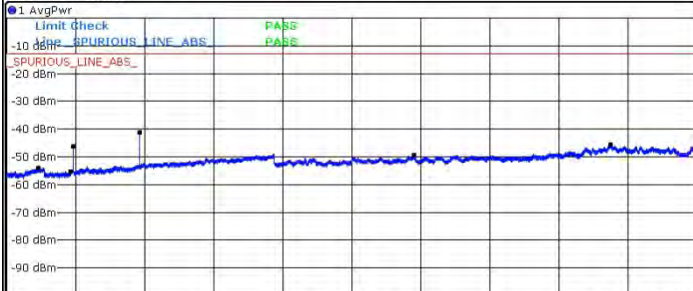


LTE Band 4 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM

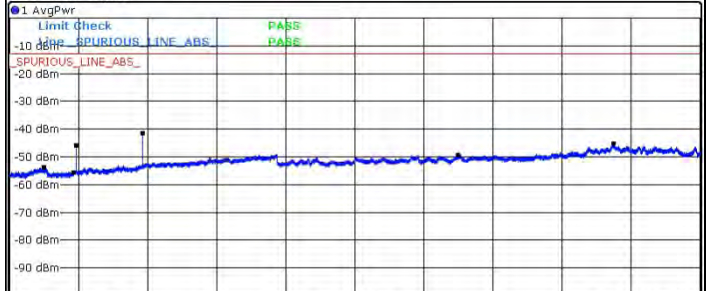
Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.69315 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69003 GHz	-55.31 dBm	-42.31 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-46.12 dBm	-33.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-41.22 dBm	-28.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62805 GHz	-49.38 dBm	-36.38 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74956 GHz	-45.46 dBm	-32.46 dB

Date: 19.APR.2015 11:05:24

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-53.89 dBm	-40.89 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69038 GHz	-55.53 dBm	-42.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-45.94 dBm	-32.94 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-41.53 dBm	-28.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.69991 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75290 GHz	-45.15 dBm	-32.15 dB

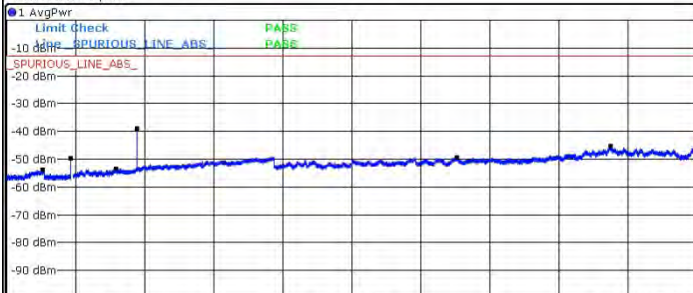
Date: 19.APR.2015 11:06:43

LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

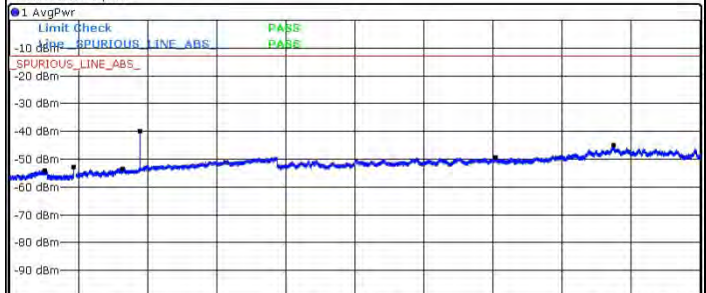
Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-49.65 dBm	-36.65 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88086 GHz	-53.47 dBm	-40.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-39.07 dBm	-26.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75041 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74665 GHz	-45.34 dBm	-32.34 dB

Date: 19.APR.2015 11:08:44

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.61719 MHz	-53.98 dBm	-40.98 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-52.79 dBm	-39.79 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97016 GHz	-53.36 dBm	-40.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-40.09 dBm	-27.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68129 GHz	-49.47 dBm	-36.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74831 GHz	-45.09 dBm	-32.09 dB

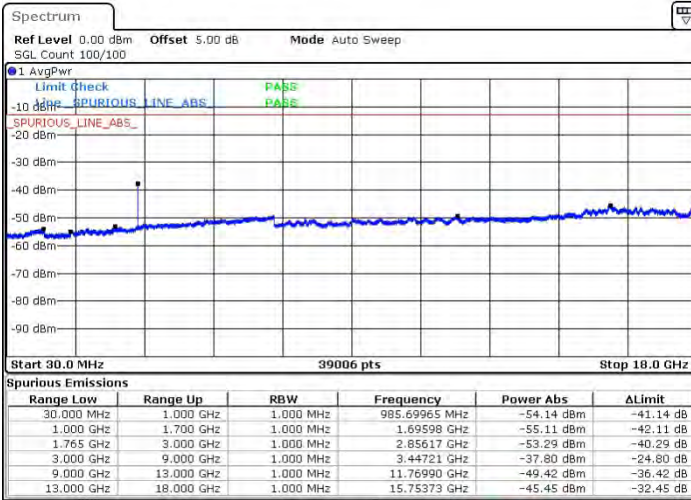
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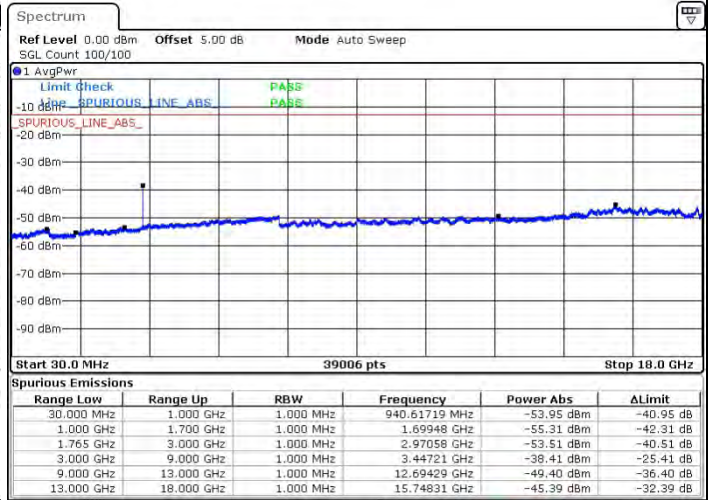
LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



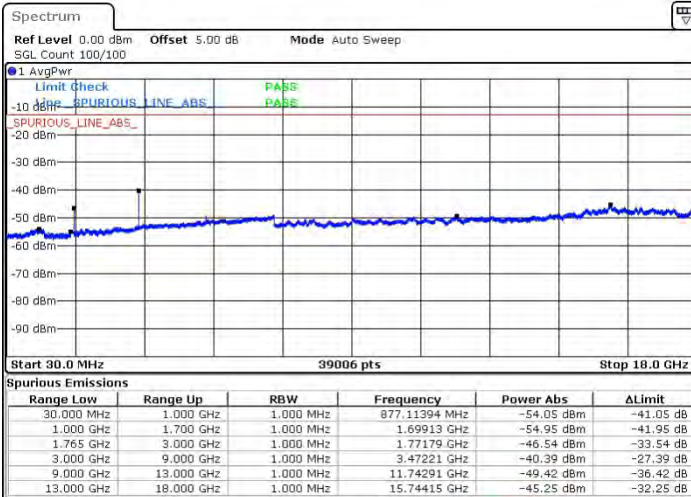
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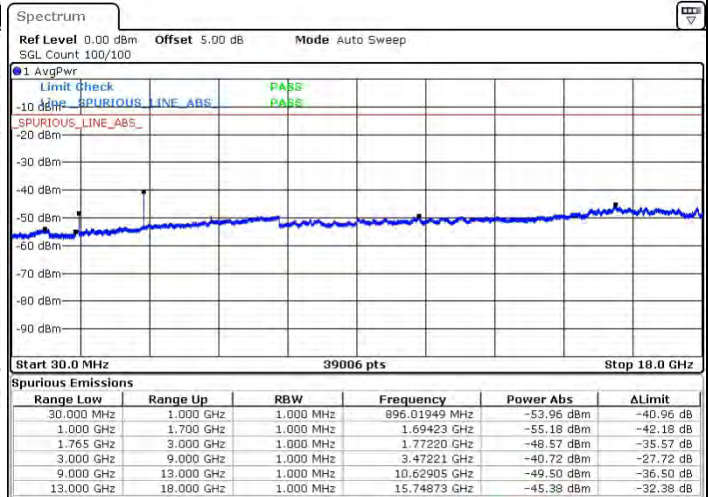
Date: 19.APR.2015 11:13:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.APR.2015 11:15:25

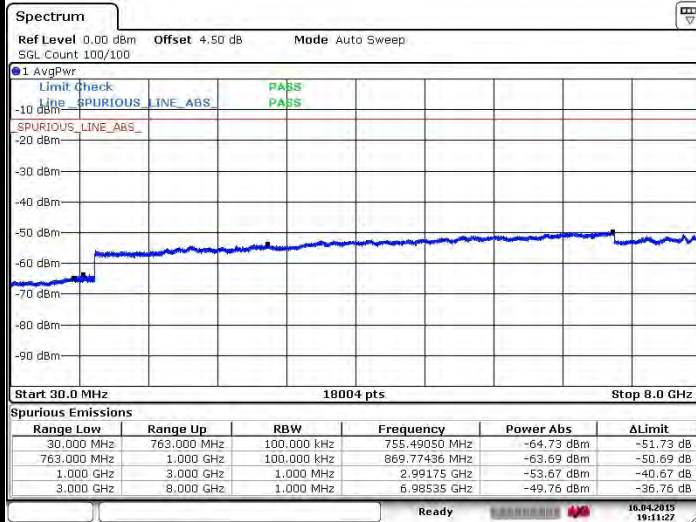


Date: 19.APR.2015 11:16:43



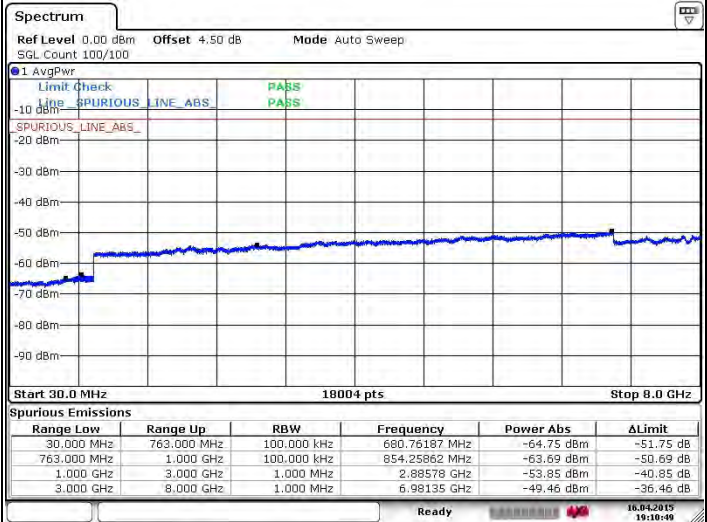
LTE Band 13 / 5MHz

Lowest Channel / QPSK



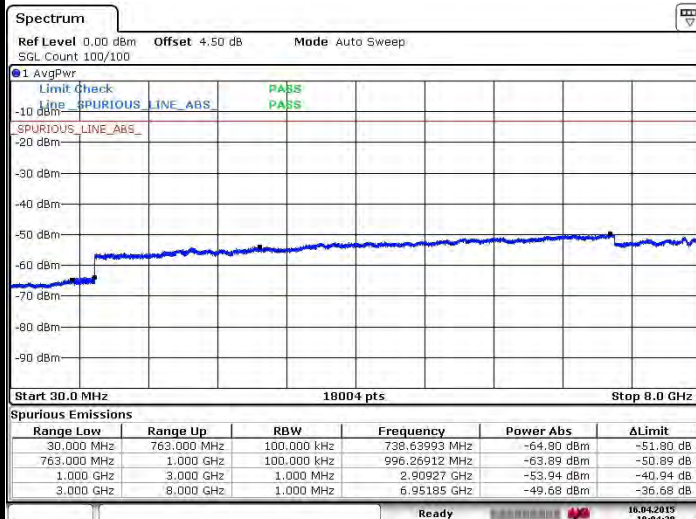
Date: 16 APR.2015 19:11:28

Lowest Channel / 16QAM



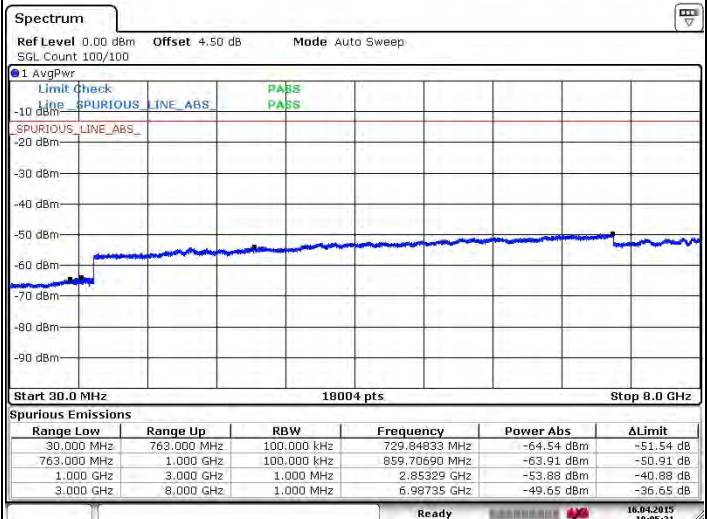
Date: 16 APR.2015 19:10:48

Middle Channel / QPSK



Date: 16 APR.2015 19:04:38

Middle Channel / 16QAM

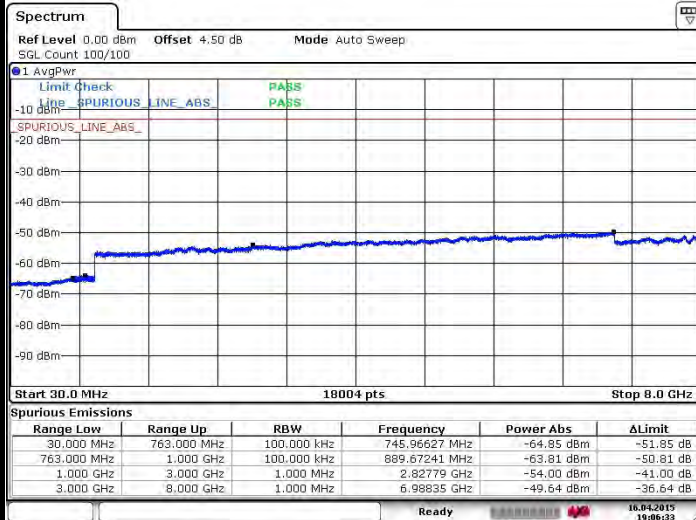


Date: 16 APR.2015 19:05:31



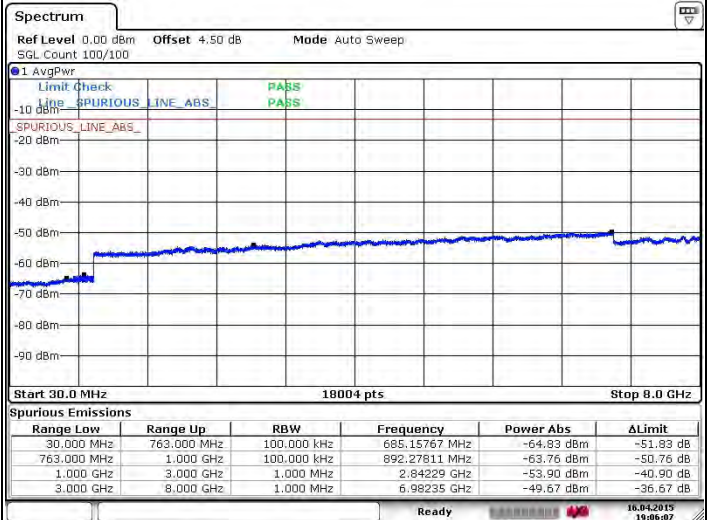
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 16 APR 2015 19:06:33

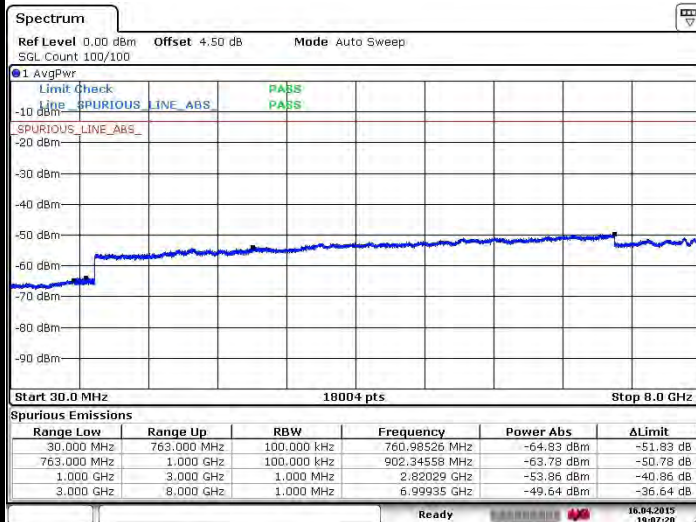
Highest Channel / 16QAM



Date: 16 APR 2015 19:06:07

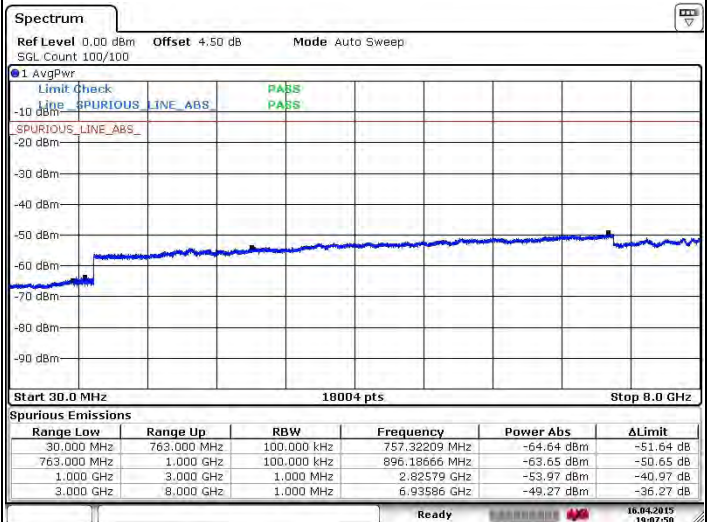
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 16 APR 2015 19:07:20

Middle Channel / 16QAM



Date: 16 APR 2015 19:07:50

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0138	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0117	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0096	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0130	
20	Normal Voltage	0.0094	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 3.80V. ; Battery End Point (BEP) = 3.50 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0284	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0220	
0	Normal Voltage	0.0246	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0258	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0197	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0182	

Note:

1. Normal Voltage = 3.80V. ; Battery End Point (BEP) = 3.50 V. ; Maximum Voltage =4.35 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

ERP/EIRP



LTE Band 4 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.35	0.1718	22.28	0.1690
Middle		1	0	22.63	0.1832	23.15	0.2065
Highest		1	0	22.03	0.1596	22.78	0.1897
Lowest	16QAM	1	0	21.49	0.1409	21.40	0.1380
Middle		1	0	21.51	0.1416	21.52	0.1419
Highest		1	0	20.36	0.1086	20.97	0.1250
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.33	0.1710	22.86	0.1932
Middle		1	0	22.61	0.1824	23.15	0.2065
Highest		1	0	22.32	0.1706	23.02	0.2004
Lowest	16QAM	1	0	21.67	0.1469	21.48	0.1406
Middle		1	0	21.45	0.1396	21.49	0.1409
Highest		1	0	20.68	0.1169	21.16	0.1306
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.22	0.1667	22.84	0.1923
Middle		1	0	22.47	0.1766	23.13	0.2056
Highest		1	0	22.23	0.1671	22.92	0.1959
Lowest	16QAM	1	0	21.57	0.1435	21.44	0.1393
Middle		1	0	21.33	0.1358	21.40	0.1380
Highest		1	0	20.65	0.1161	21.16	0.1306
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.56	0.1803	22.99	0.1991
Middle		1	0	22.78	0.1897	23.35	0.2163
Highest		1	0	22.33	0.1710	23.47	0.2223
Lowest	16QAM	1	0	21.73	0.1489	21.55	0.1429
Middle		1	0	21.49	0.1409	21.64	0.1459
Highest		1	0	20.86	0.1219	21.59	0.1442
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.54	0.1795	23.14	0.2061
Middle		1	0	22.79	0.1901	23.35	0.2163
Highest		1	0	22.75	0.1884	23.62	0.2301
Lowest	16QAM	1	0	21.72	0.1486	21.52	0.1419
Middle		1	0	21.65	0.1462	21.57	0.1435
Highest		1	0	21.15	0.1303	21.62	0.1452
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.44	0.1754	22.92	0.1959
Middle		1	0	22.93	0.1963	23.46	0.2218
Highest		1	0	22.50	0.1778	22.73	0.1875
Lowest	16QAM	1	0	21.76	0.1500	21.58	0.1439
Middle		1	0	21.67	0.1469	21.65	0.1462
Highest		1	0	21.50	0.1413	21.71	0.1483
Limit	EIRP < 1W			Result		PASS	



LTE Band 13 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.61	0.0726	9.31	0.0085
Middle		1	0	18.85	0.0767	9.21	0.0083
Highest		1	0	19.33	0.0857	8.78	0.0076
Lowest	16QAM	1	0	17.39	0.0548	8.19	0.0066
Middle		1	0	17.85	0.0610	8.23	0.0067
Highest		1	0	18.10	0.0646	7.70	0.0059
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	-	-	-	-
Middle		1	0	18.40	0.0692	9.18	0.0083
Highest		1	0	-	-	-	-
Lowest	16QAM	1	0	-	-	-	-
Middle		1	0	17.55	0.0569	8.17	0.0066
Highest		1	0	-	-	-	-
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission



LTE Band 4 / 1.4MHz / 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	3465	-51.66	-13	-38.66	-65.79	-56.03	3.12	7.49	H
	5195.4	-47.97	-13	-34.97	-61.12	-53.77	3.65	9.45	H
	6927	-45.59	-13	-32.59	-62.45	-52.79	4.15	11.35	H
	3465	-53.01	-13	-40.01	-65.83	-57.38	3.12	7.49	V
	5195.4	-48.54	-13	-35.54	-62.55	-54.34	3.65	9.45	V
	6927	-47.37	-13	-34.37	-62.62	-54.57	4.15	11.35	V

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

LTE Band 4 / 3MHz / 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	3462	-51.66	-13	-38.66	-65.79	-56.03	3.12	7.49	H
	5193	-48.79	-13	-35.79	-61.94	-54.59	3.65	9.45	H
	6924	-45.59	-13	-32.59	-62.45	-52.79	4.15	11.35	H
	3462	-51.47	-13	-38.47	-64.29	-55.84	3.12	7.49	V
	5193	-48.25	-13	-35.25	-62.26	-54.05	3.65	9.45	V
	6924	-46.05	-13	-33.05	-61.3	-53.25	4.15	11.35	V

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



LTE Band 4 / 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	3459	-51.86	-13	-38.86	-65.99	-56.23	3.12	7.49	H
	5190	-50.07	-13	-37.07	-63.22	-55.87	3.65	9.45	H
	6921	-46.45	-13	-33.45	-63.31	-53.65	4.15	11.35	H
	3459	-51.25	-13	-38.25	-64.07	-55.62	3.12	7.49	V
	5190	-48.36	-13	-35.36	-62.37	-54.16	3.65	9.45	V
	6921	-47.02	-13	-34.02	-62.27	-54.22	4.15	11.35	V

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

LTE Band 4 / 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	3456	-50.24	-13	-37.24	-64.37	-54.61	3.12	7.49	H
	5184	-47.11	-13	-34.11	-60.26	-52.91	3.65	9.45	H
	6909	-44.90	-13	-31.90	-61.76	-52.10	4.15	11.35	H
	3455	-50.19	-13	-37.19	-63.01	-54.56	3.12	7.49	V
	5184	-47.42	-13	-34.42	-61.43	-53.22	3.65	9.45	V
	6909	-47.13	-13	-34.13	-62.38	-54.33	4.15	11.35	V

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



LTE Band 4 / 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	3450	-52.38	-13	-39.38	-66.51	-56.75	3.12	7.49	H
	5175	-49.46	-13	-36.46	-62.61	-55.26	3.65	9.45	H
	6900	-45.58	-13	-32.58	-62.44	-52.78	4.15	11.35	H
	3450	-50.84	-13	-37.84	-63.66	-55.21	3.12	7.49	V
	5175	-48.80	-13	-35.80	-62.81	-54.60	3.65	9.45	V
	6900	-47.50	-13	-34.50	-62.75	-54.70	4.15	11.35	V

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

LTE Band 4 / 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	3447	-50.01	-13	-37.01	-64.14	-54.38	3.12	7.49	H
	5167.5	-48.76	-13	-35.76	-61.91	-54.56	3.65	9.45	H
	6891	-45.14	-13	-32.14	-62.00	-52.34	4.15	11.35	H
	3447	-52.20	-13	-39.20	-65.02	-56.57	3.12	7.49	V
	5167.5	-47.00	-13	-34.00	-61.01	-52.80	3.65	9.45	V
	6891	-46.96	-13	-33.96	-62.21	-54.16	4.15	11.35	V

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



LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-60.32	-13	-47.32	-56.74	-61.30	1.75	4.88	H
	2338.5	-56.14	-13	-43.14	-62.15	-57.76	2.16	5.93	H
	3118	-54.22	-13	-41.22	-64.64	-56.25	2.48	6.66	H
	1560	-58.74	-13	-45.74	-57.21	-59.72	1.75	4.88	V
	2338.5	-53.83	-13	-40.83	-61.81	-55.45	2.16	5.93	V
	3118	-54.42	-13	-41.42	-65.93	-56.45	2.48	6.66	V

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

LTE Band 13 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1554	-56.03	-13	-43.03	-53.17	-57.01	1.75	4.88	H
	2331	-54.89	-13	-41.89	-60.90	-56.51	2.16	5.93	H
	3108	-55.40	-13	-42.40	-65.82	-57.43	2.48	6.66	H
	1554	-57.24	-13	-44.24	-55.71	-58.22	1.75	4.88	V
	2332	-53.46	-13	-40.46	-61.44	-55.08	2.16	5.93	V
	3108	-54.24	-13	-41.24	-65.75	-56.27	2.48	6.66	V

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