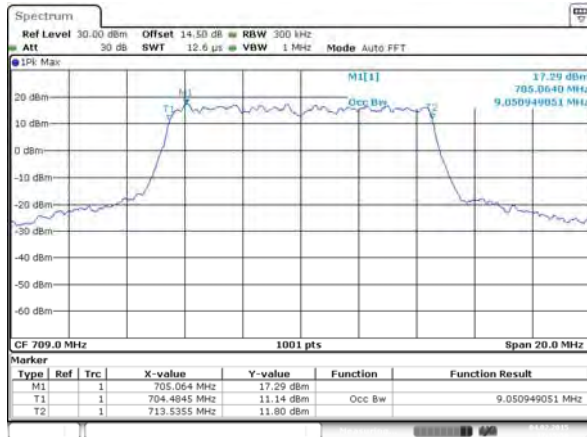


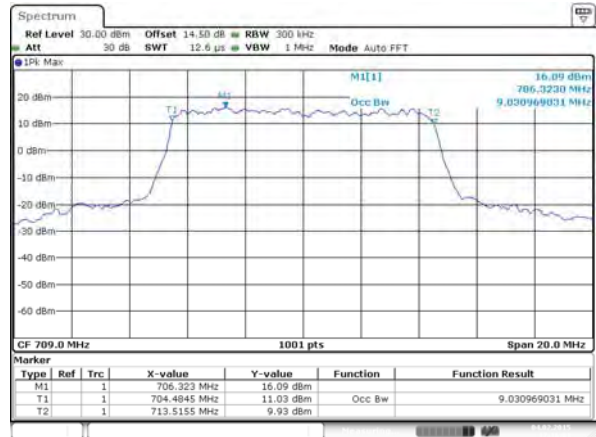


LTE Band 17

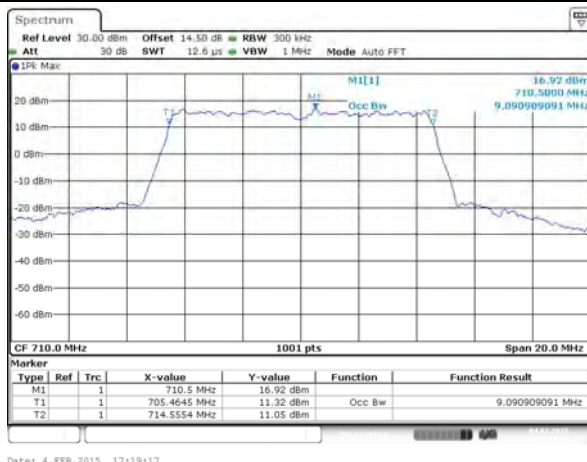
Lowest Channel / 10MHz / QPSK



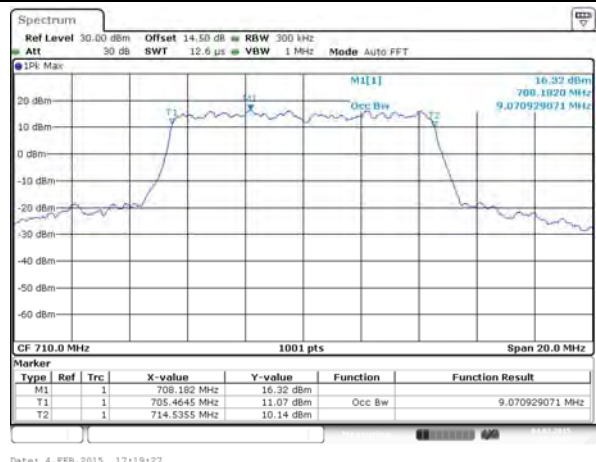
Lowest Channel / 10MHz / 16QAM



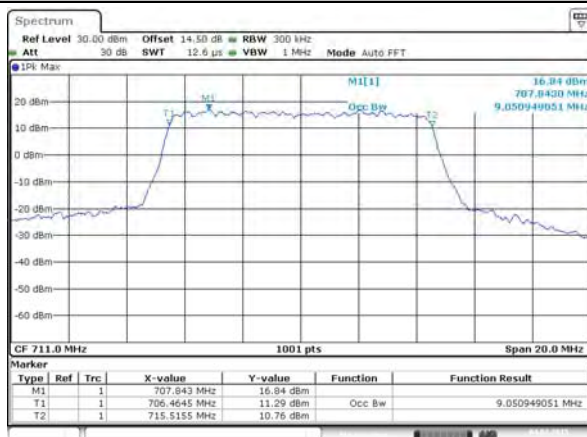
Middle Channel / 10MHz / QPSK



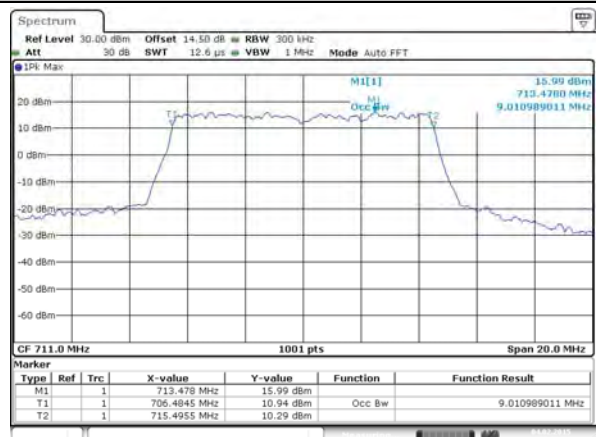
Middle Channel / 10MHz / 16QAM

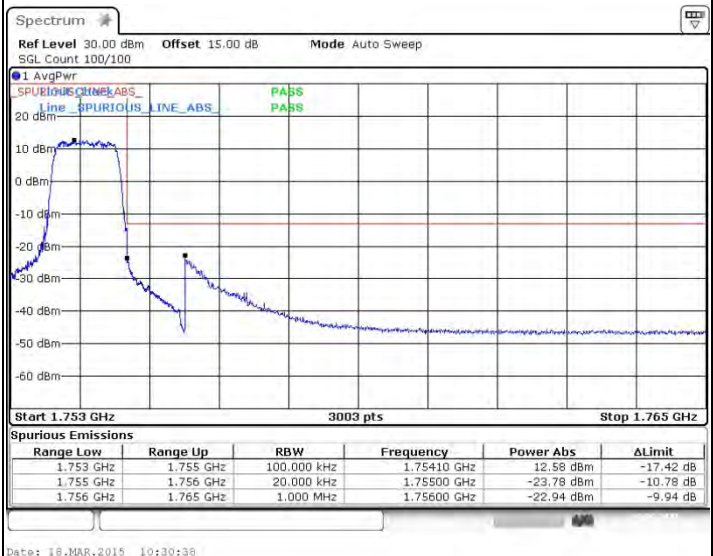


Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



**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



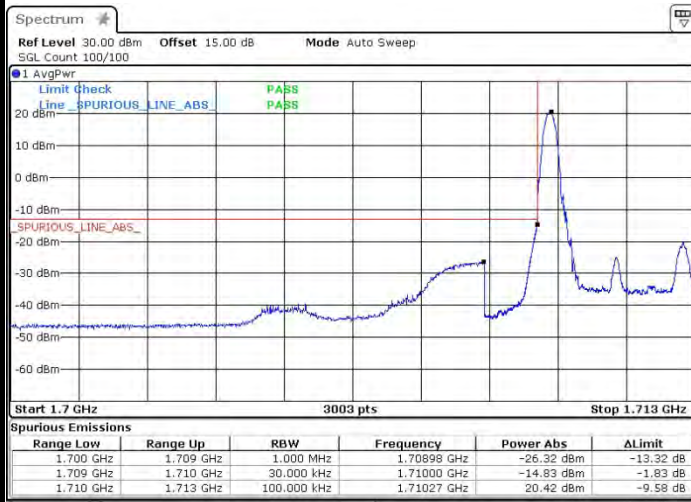
Highest Band Edge / Full RB



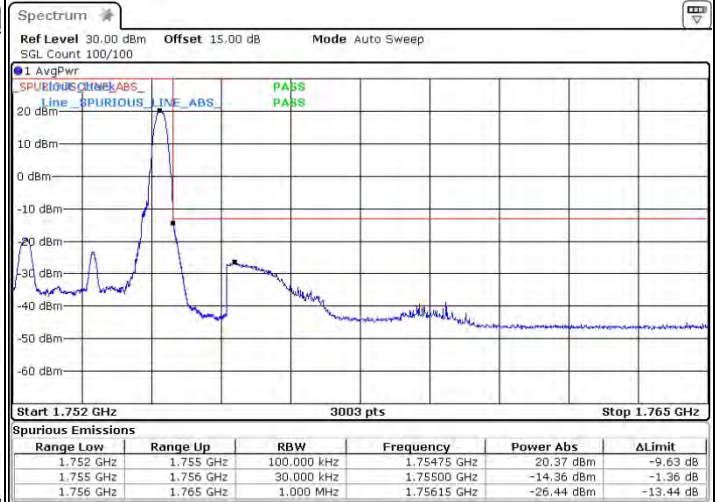


LTE Band 4 / 3MHz / QPSK

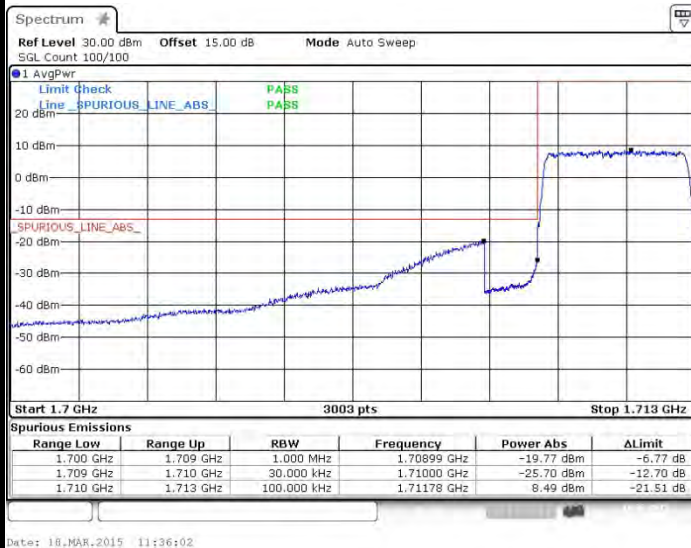
Lowest Band Edge / 1RB



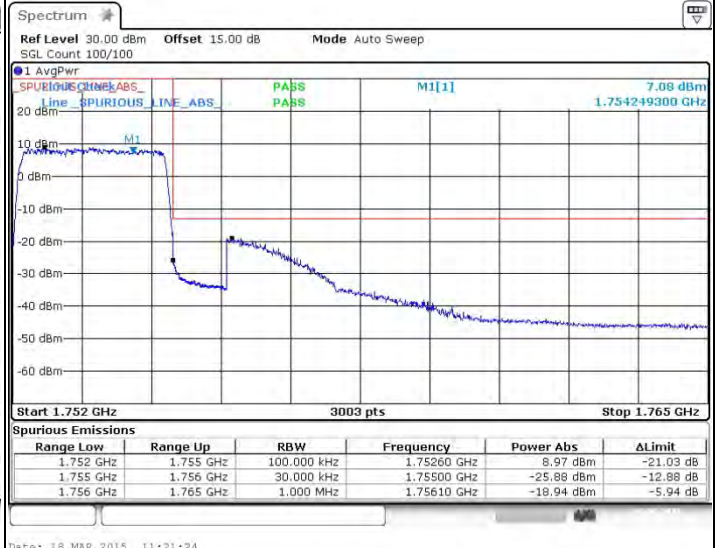
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



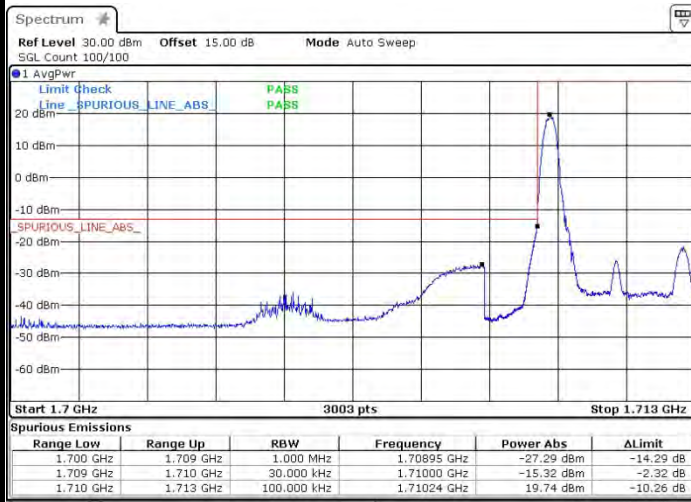
Highest Band Edge / Full RB



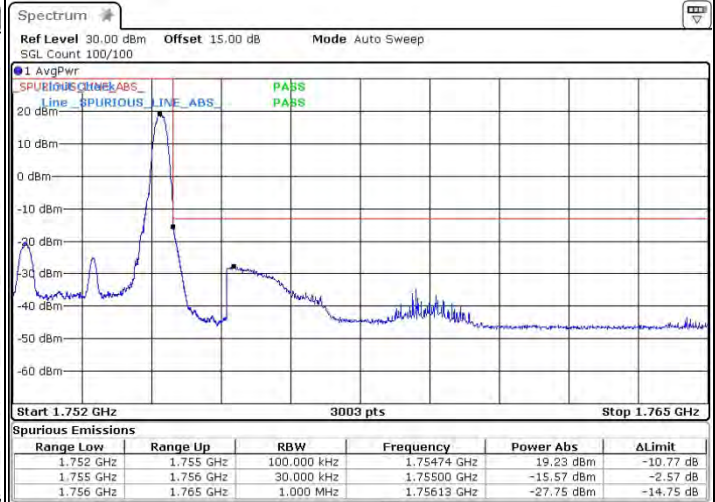


LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



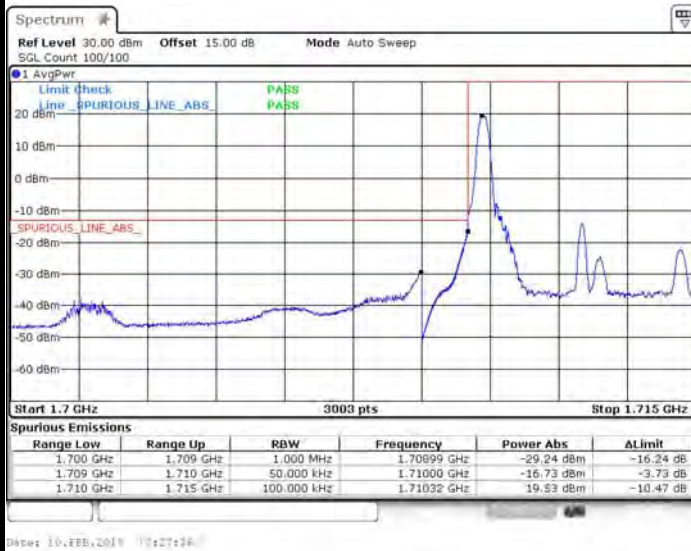
Highest Band Edge / Full RB



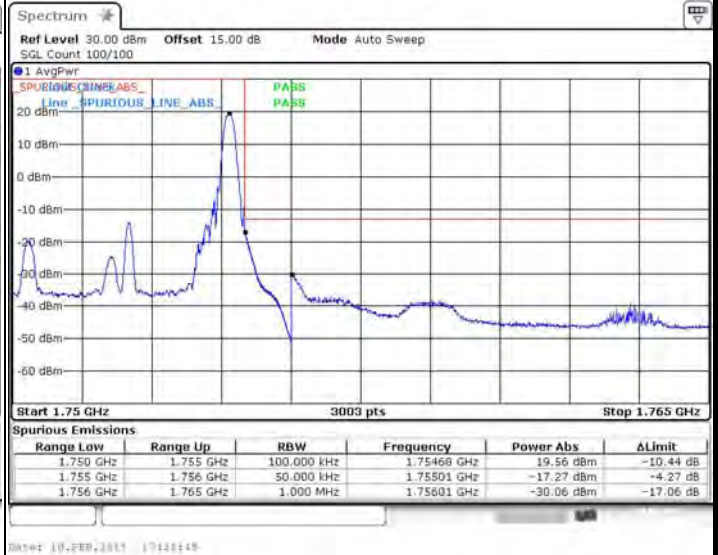


LTE Band 4 / 5MHz / QPSK

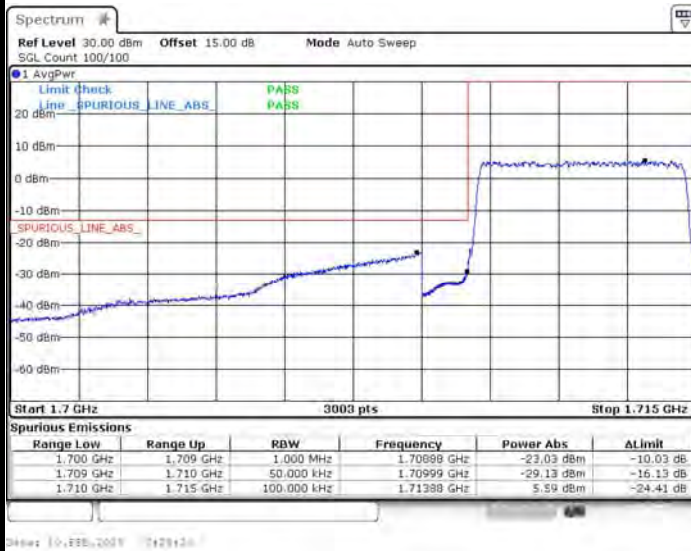
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



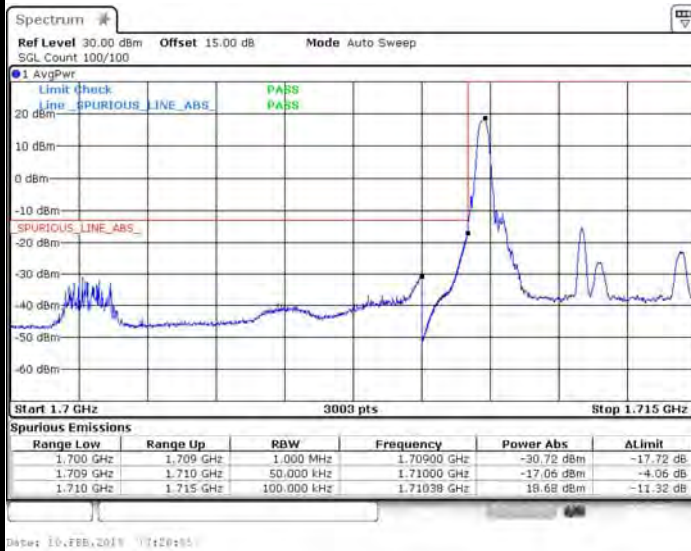
Highest Band Edge / Full RB



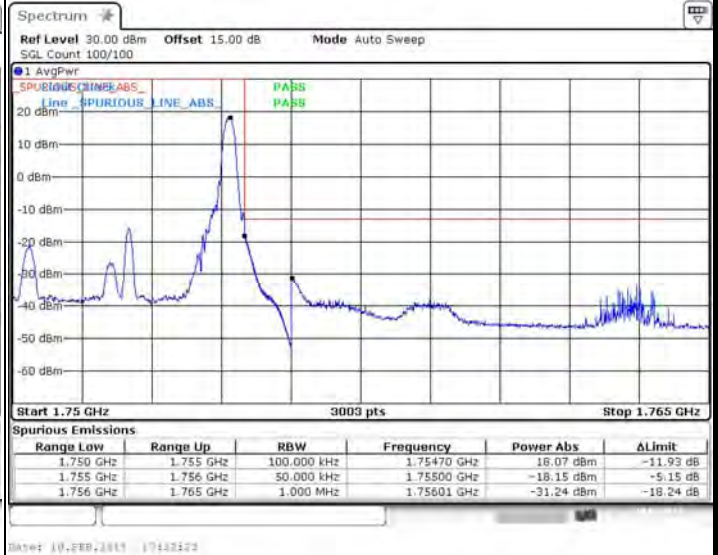


LTE Band 4 / 5MHz / 16QAM

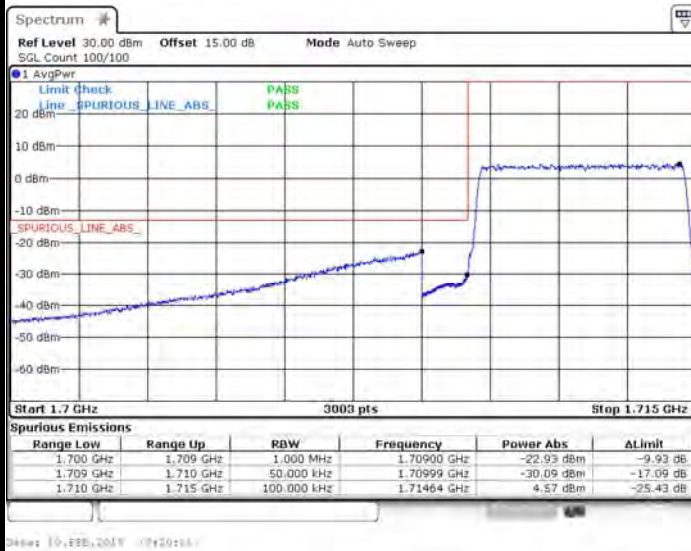
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



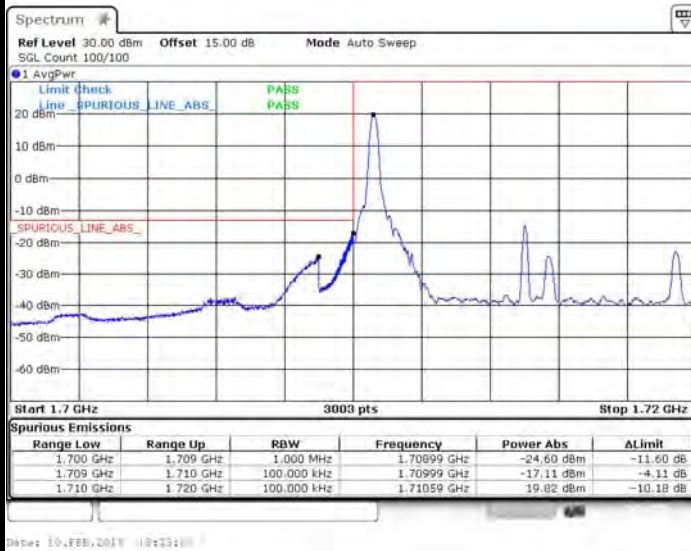
Highest Band Edge / Full RB



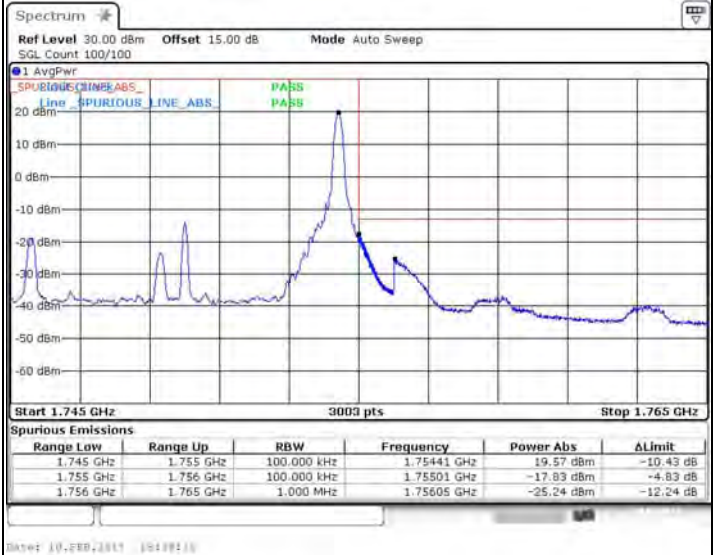


LTE Band 4 / 10MHz / QPSK

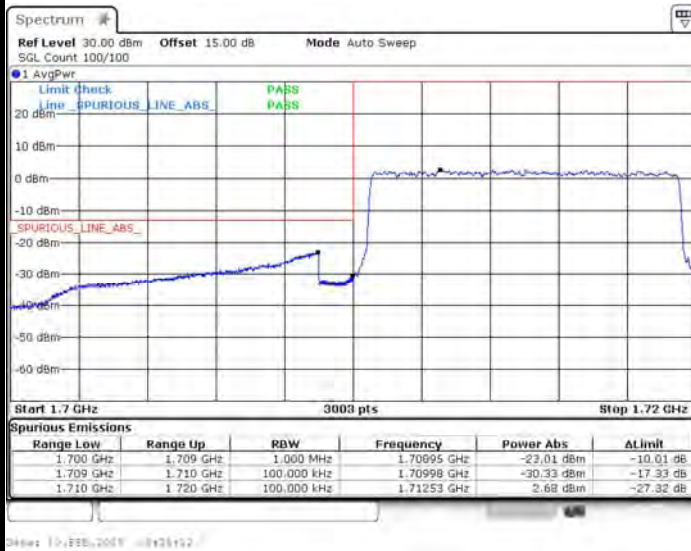
Lowest Band Edge / 1 RB



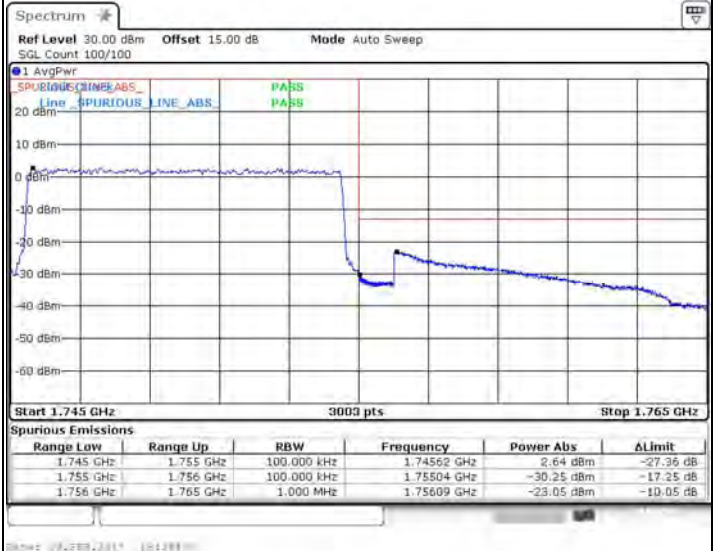
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



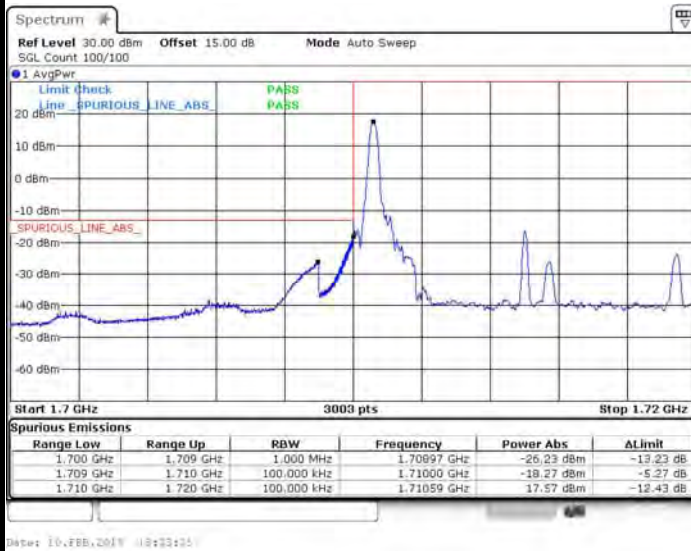
Highest Band Edge / Full RB



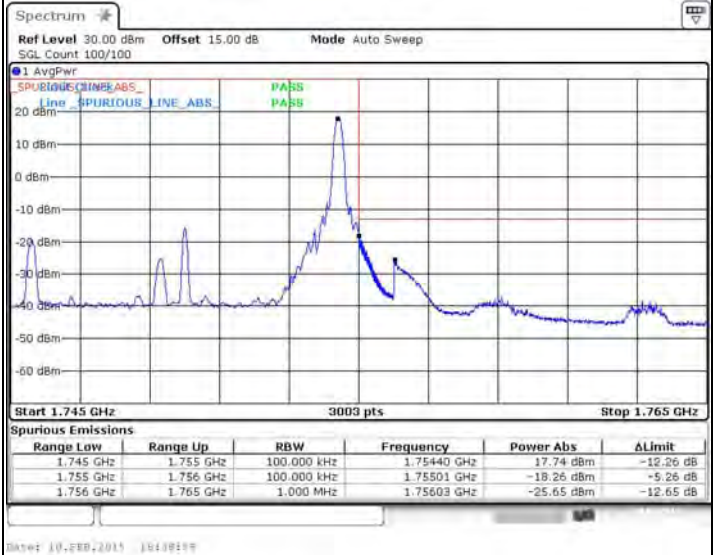


LTE Band 4 / 10MHz / 16QAM

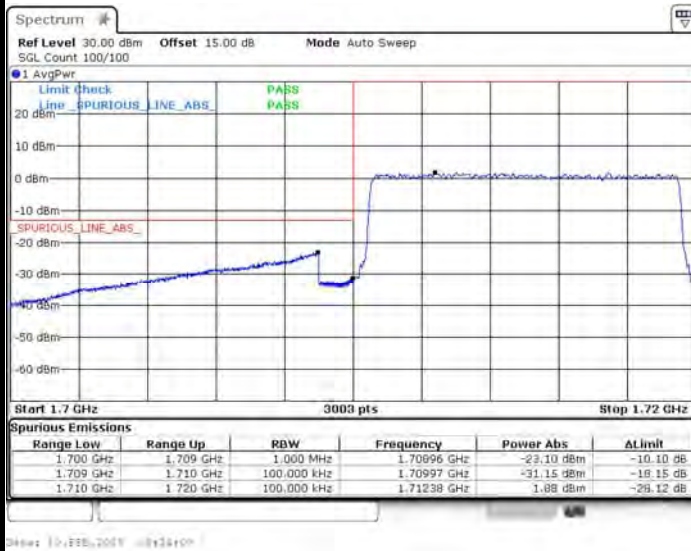
Lowest Band Edge / 1 RB



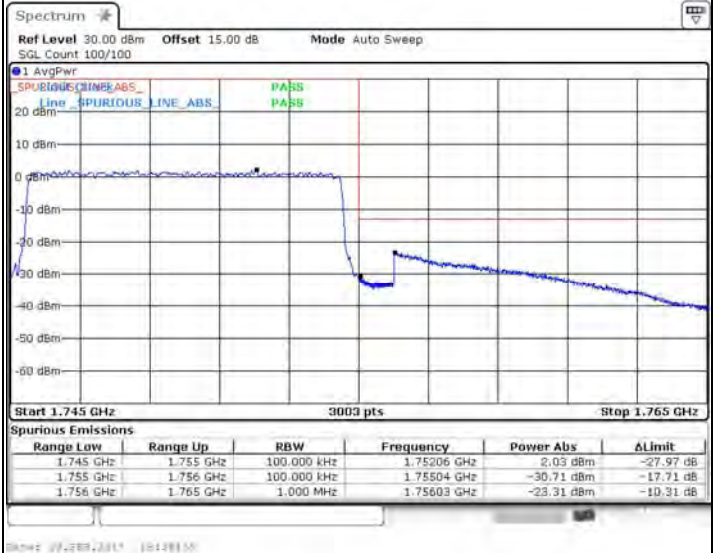
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



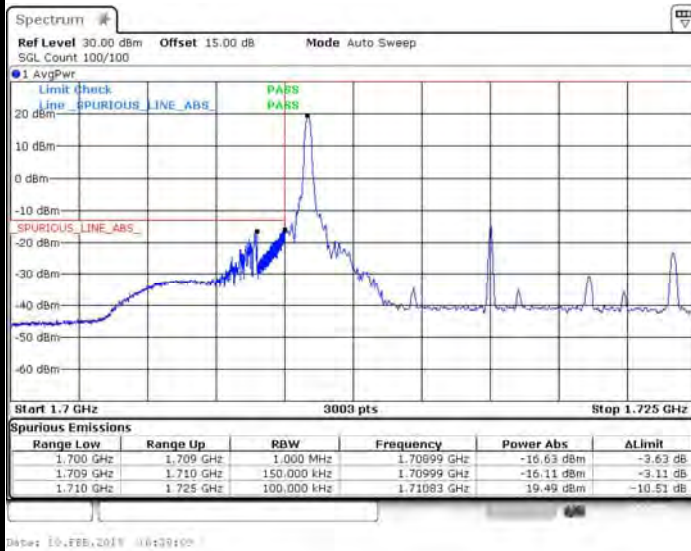
Highest Band Edge / Full RB



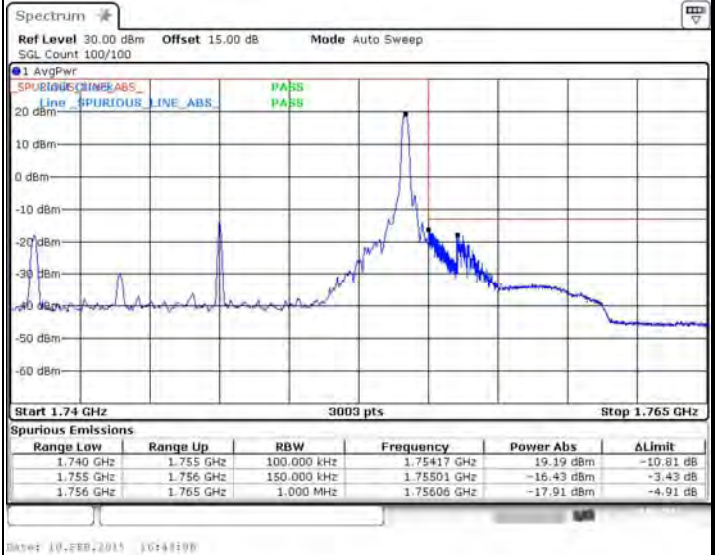


LTE Band 4 / 15MHz / QPSK

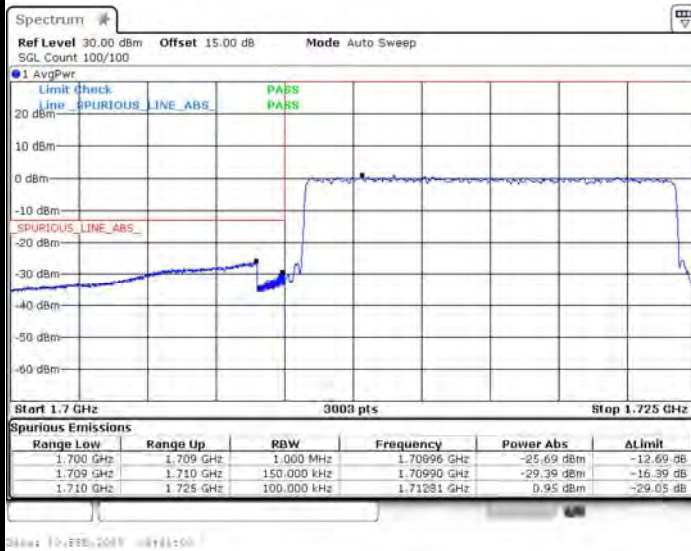
Lowest Band Edge / 1 RB



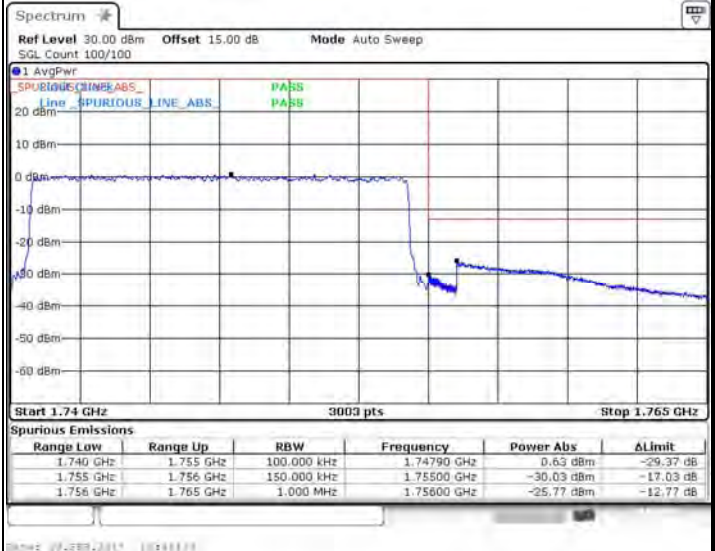
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



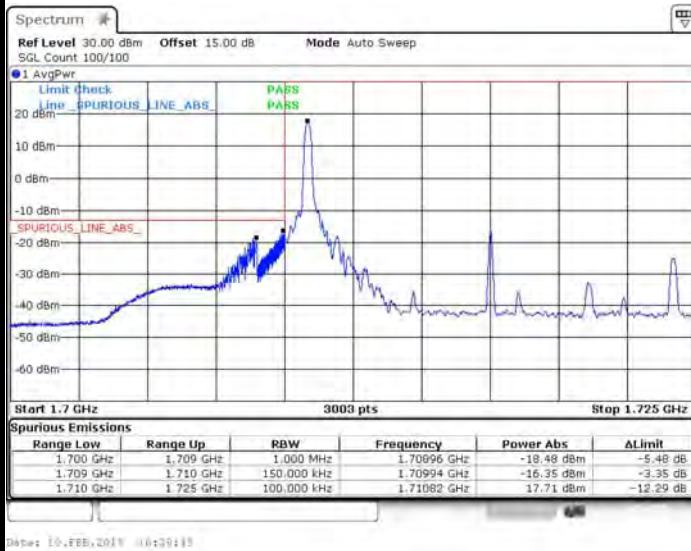
Highest Band Edge / Full RB



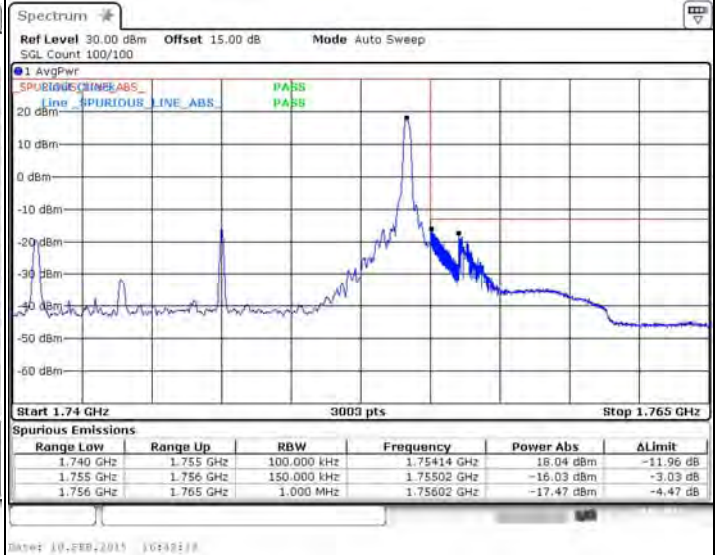


LTE Band 4 / 15MHz / 16QAM

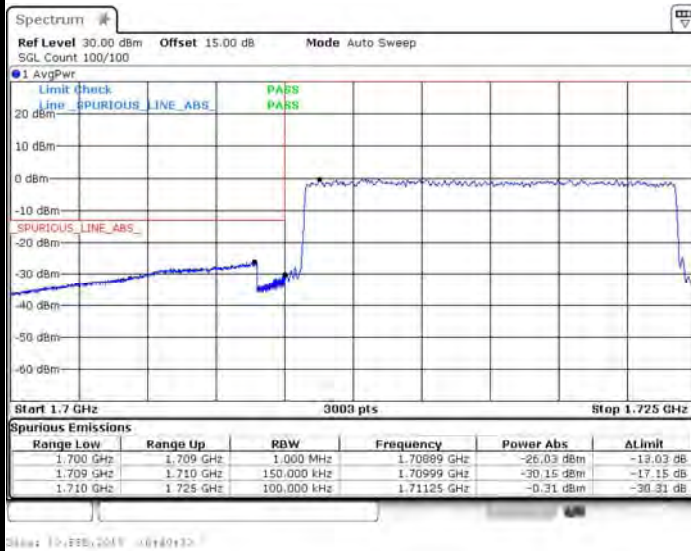
Lowest Band Edge / 1 RB



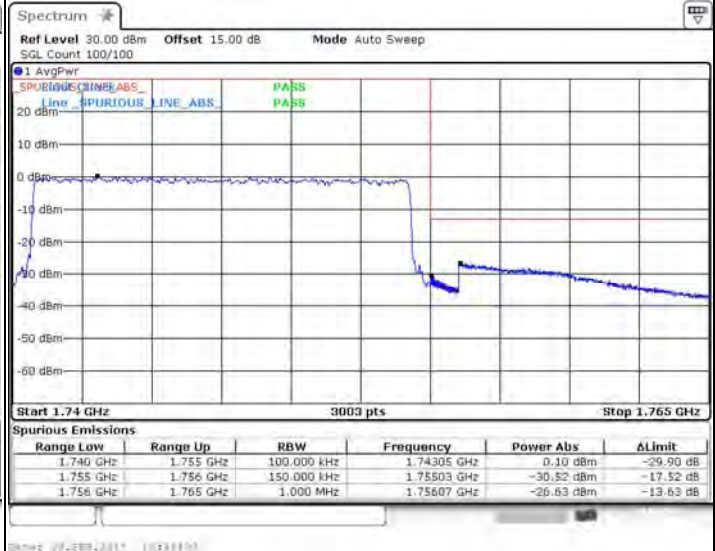
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



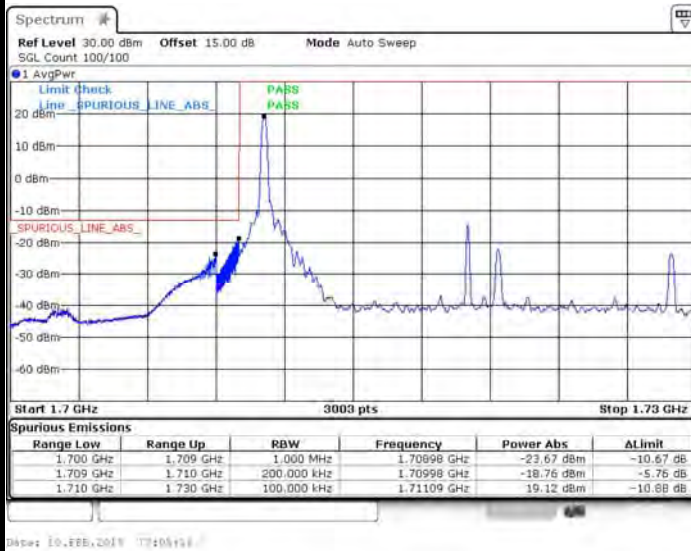
Highest Band Edge / Full RB



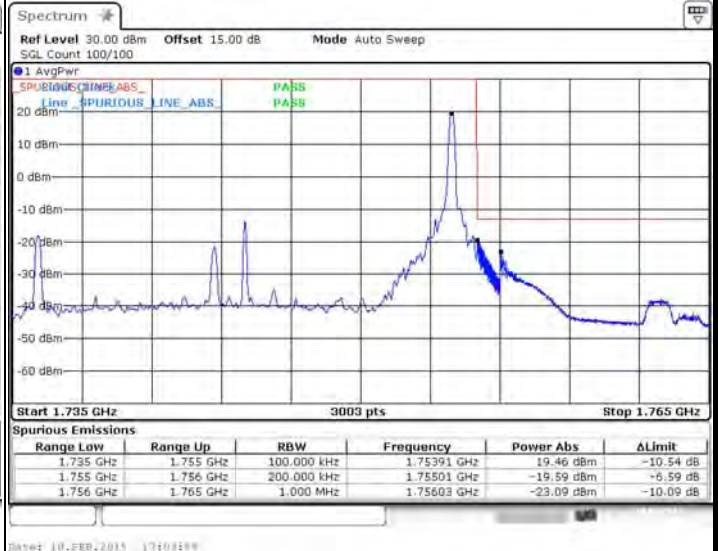


LTE Band 4 / 20MHz / QPSK

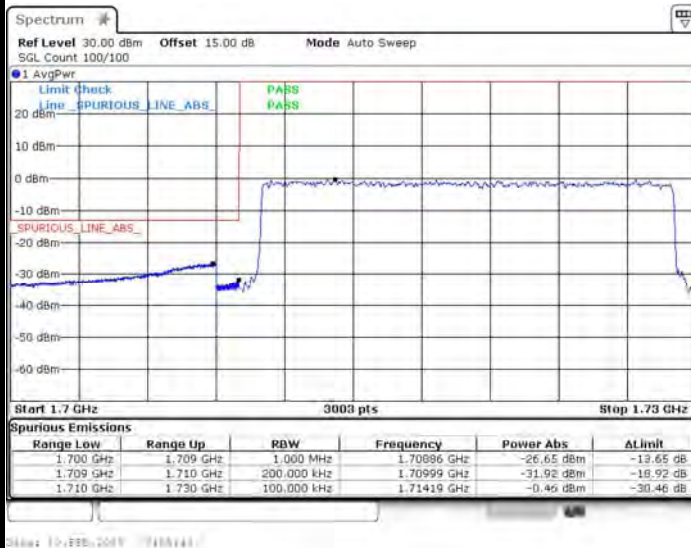
Lowest Band Edge / 1 RB



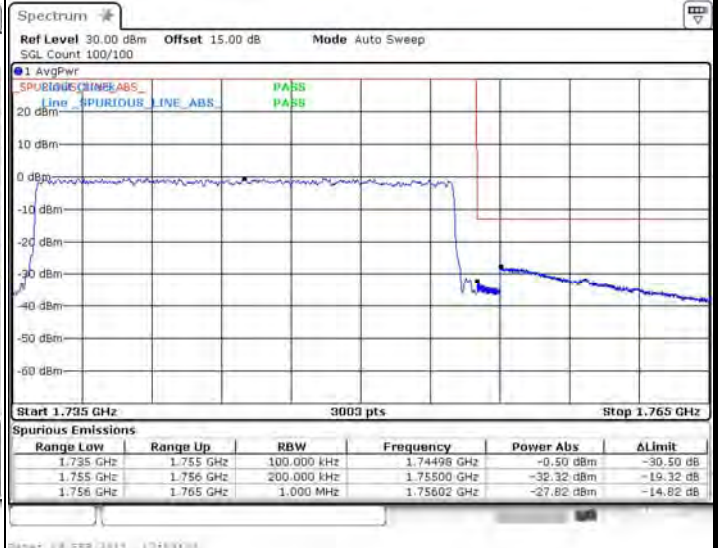
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



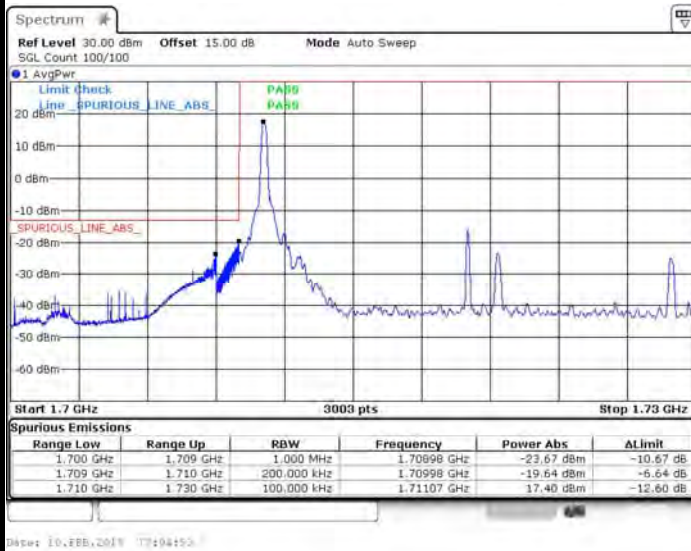
Highest Band Edge / Full RB



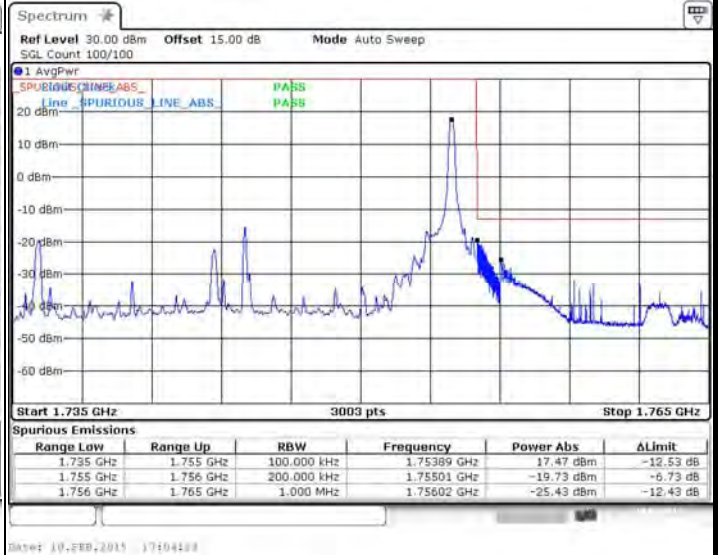


LTE Band 4 / 20MHz / 16QAM

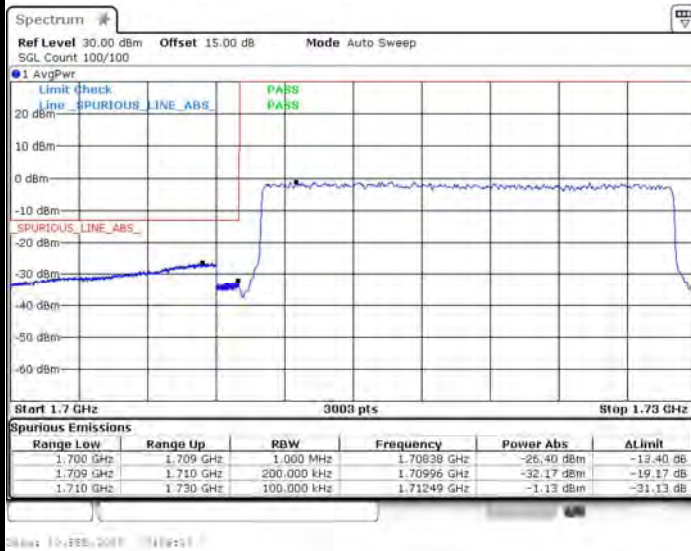
Lowest Band Edge / 1 RB



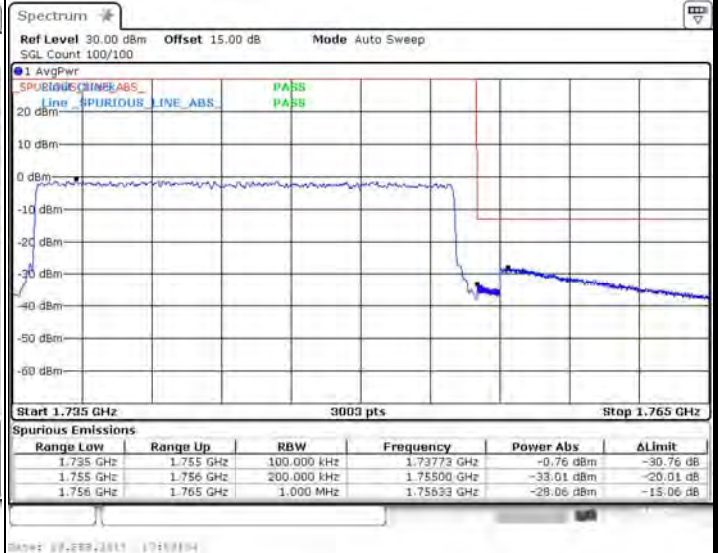
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



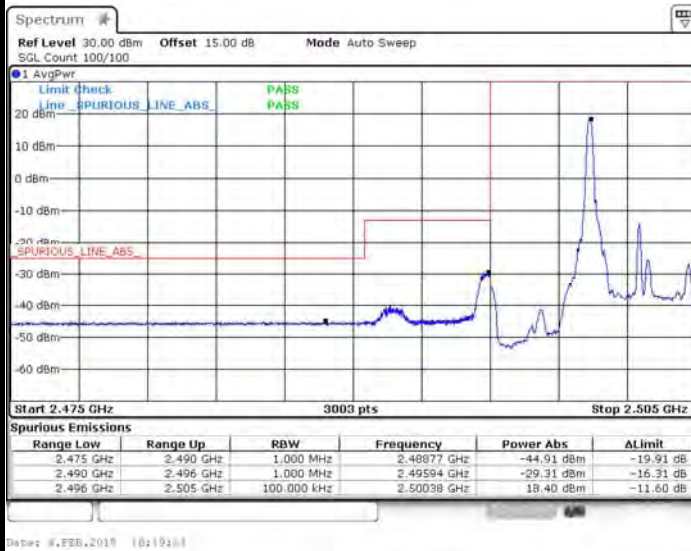
Highest Band Edge / Full RB





LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



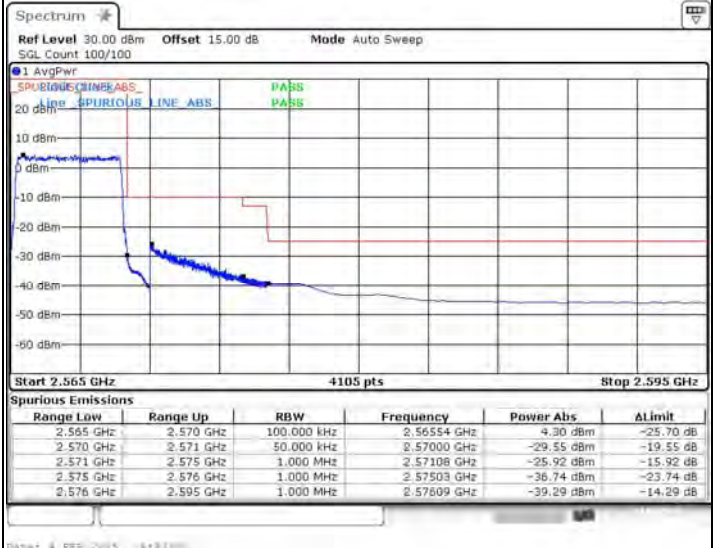
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



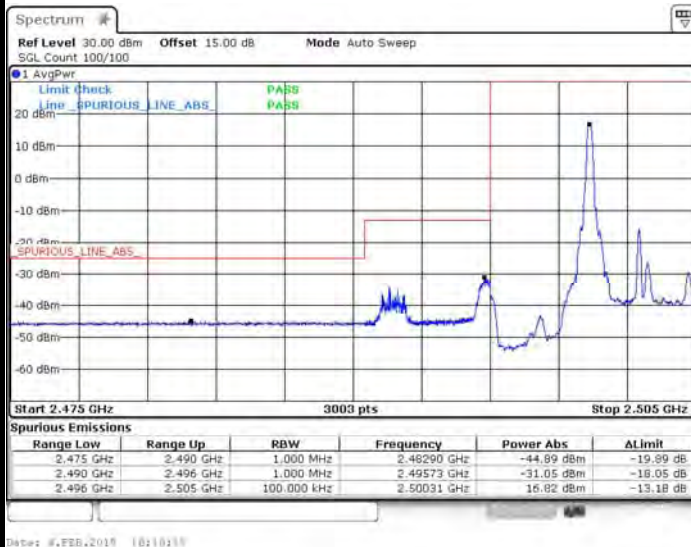
Highest Band Edge / Full RB





LTE Band 7 / 5MHz / 16QAM

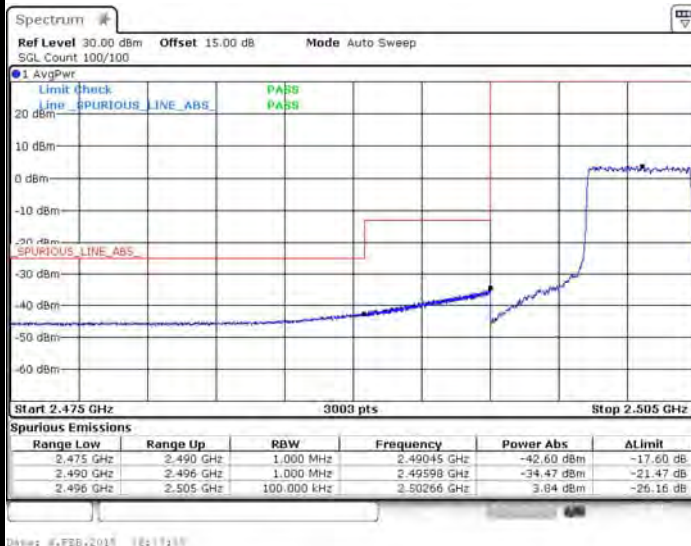
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



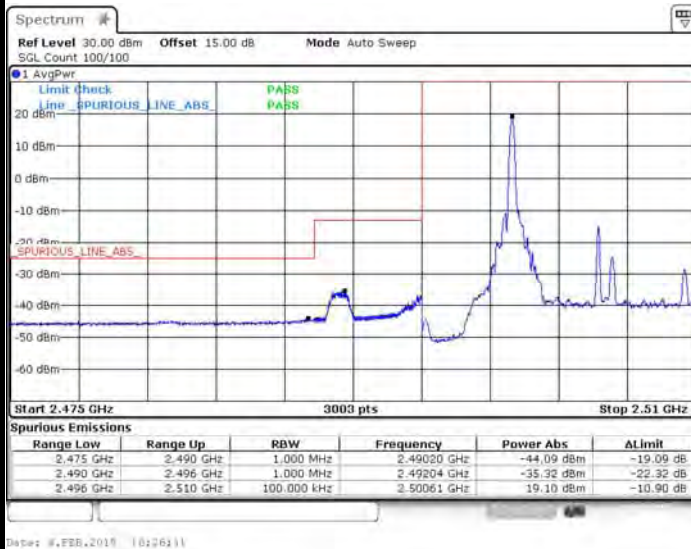
Highest Band Edge / Full RB





LTE Band 7 / 10MHz / QPSK

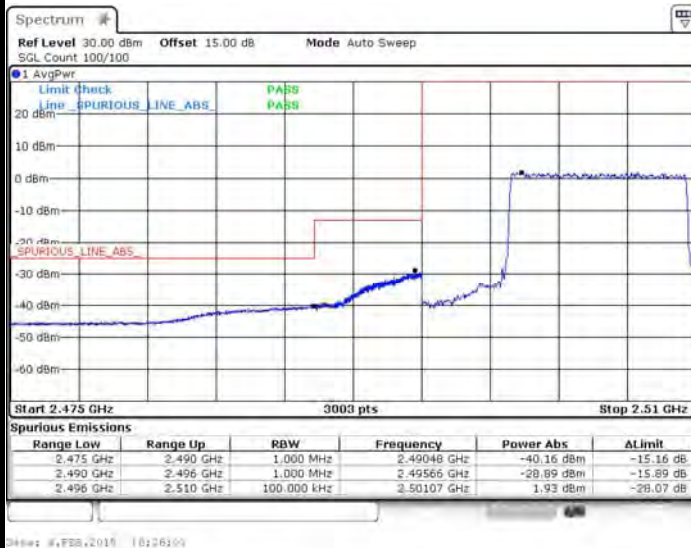
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



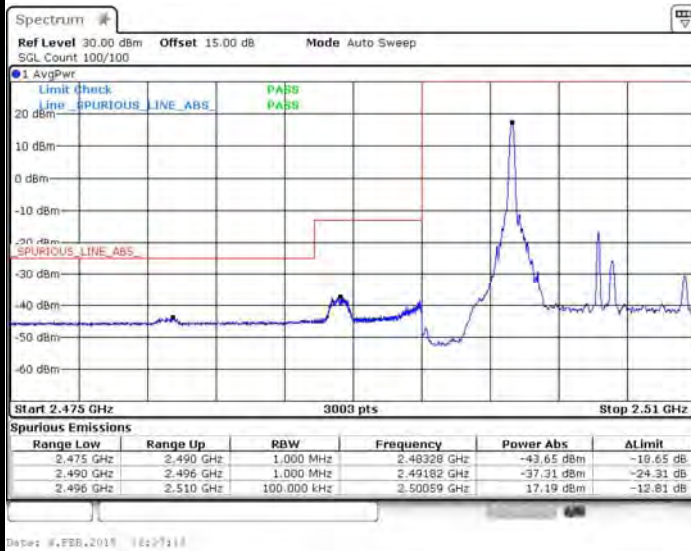
Highest Band Edge / Full RB



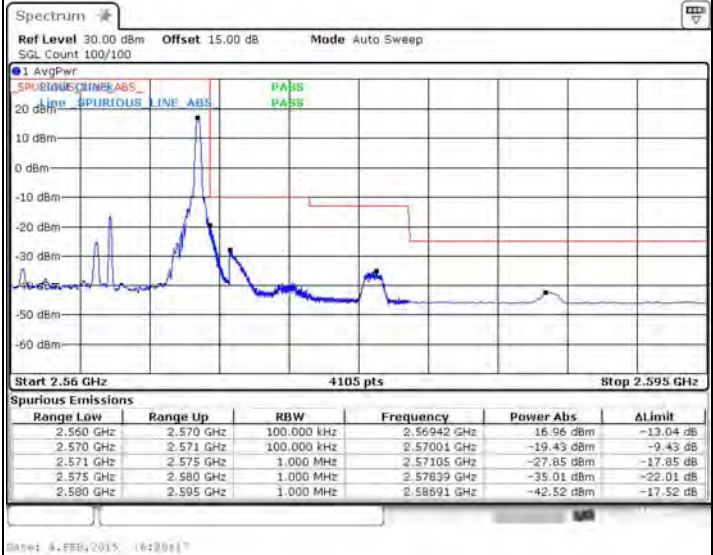


LTE Band 7 / 10MHz / 16QAM

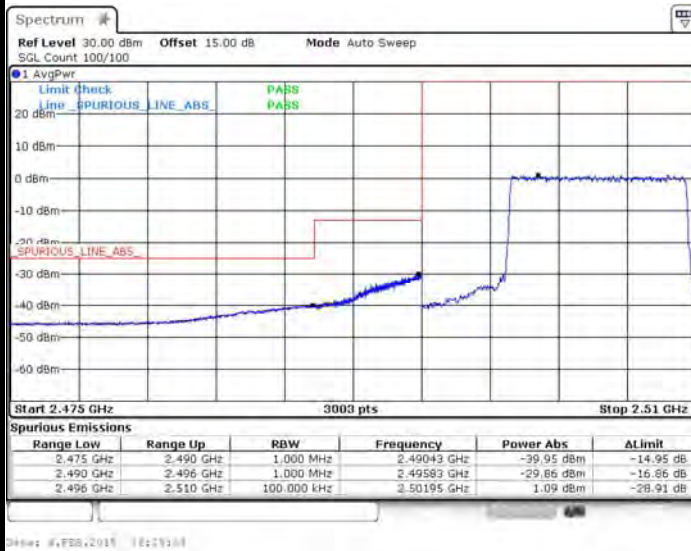
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



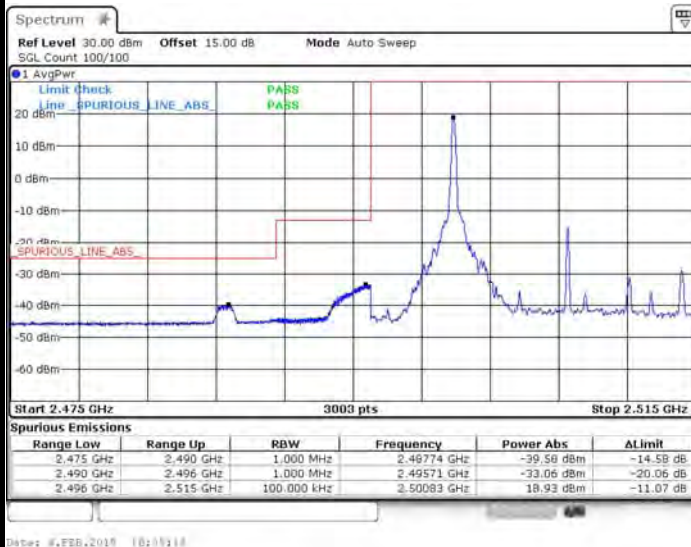
Highest Band Edge / Full RB





LTE Band 7 / 15MHz / QPSK

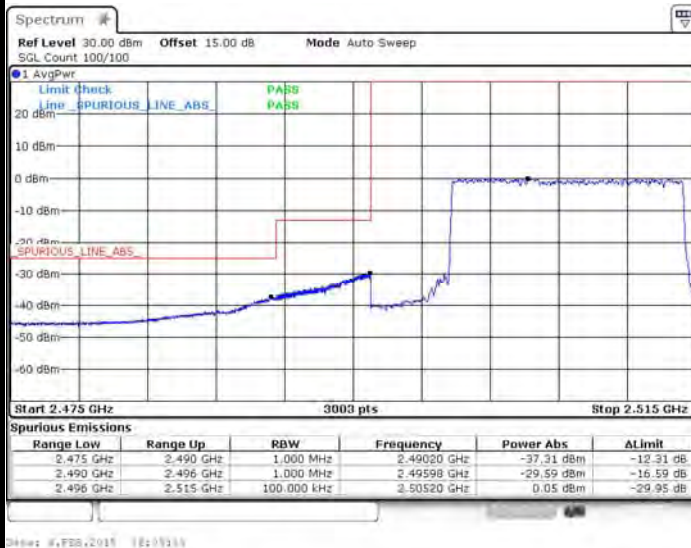
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



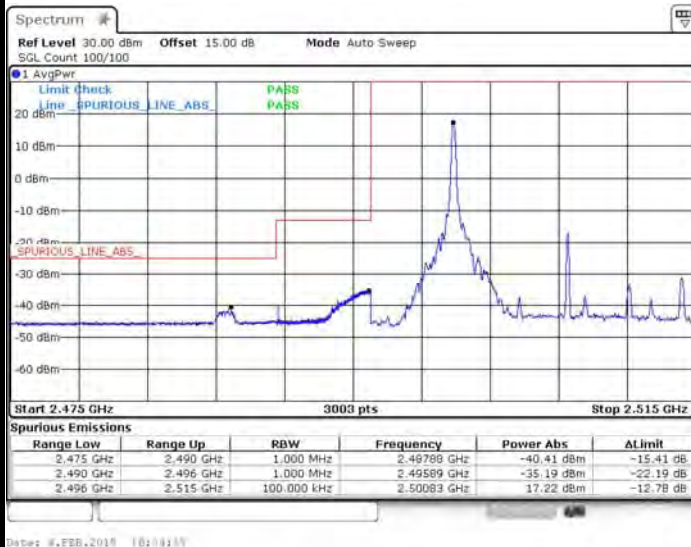
Highest Band Edge / Full RB





LTE Band 7 / 15MHz / 16QAM

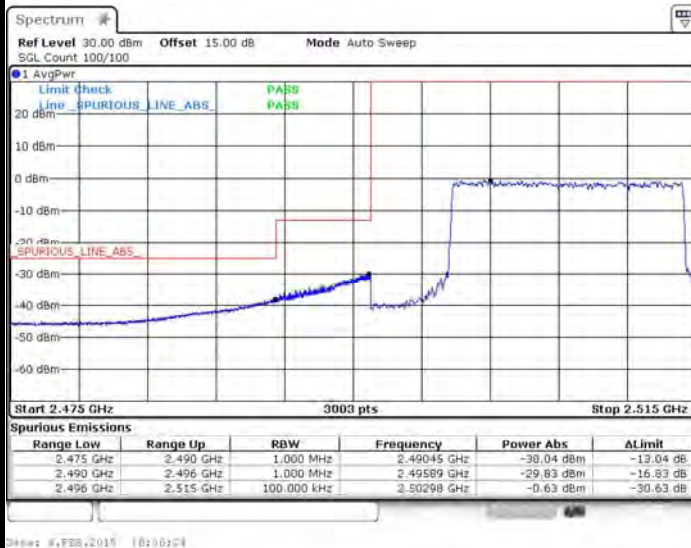
Lowest Band Edge / 1 RB



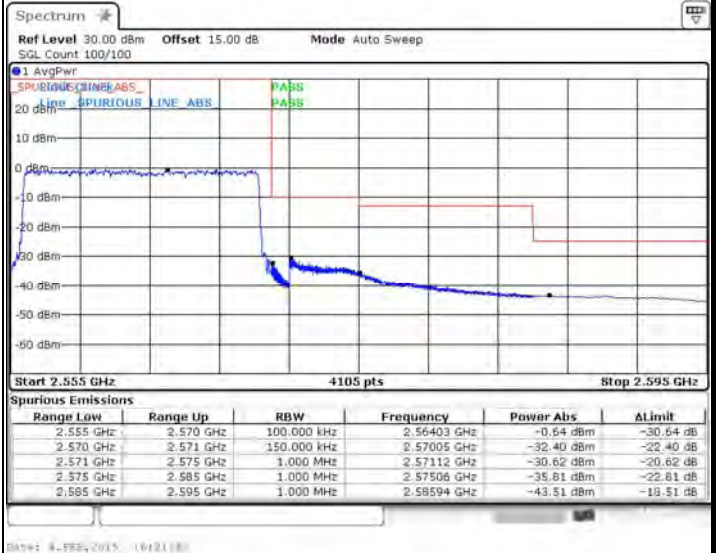
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



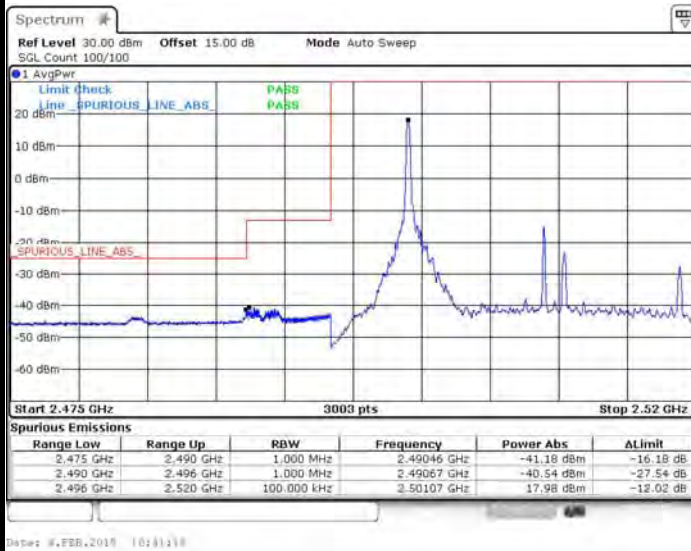
Highest Band Edge / Full RB



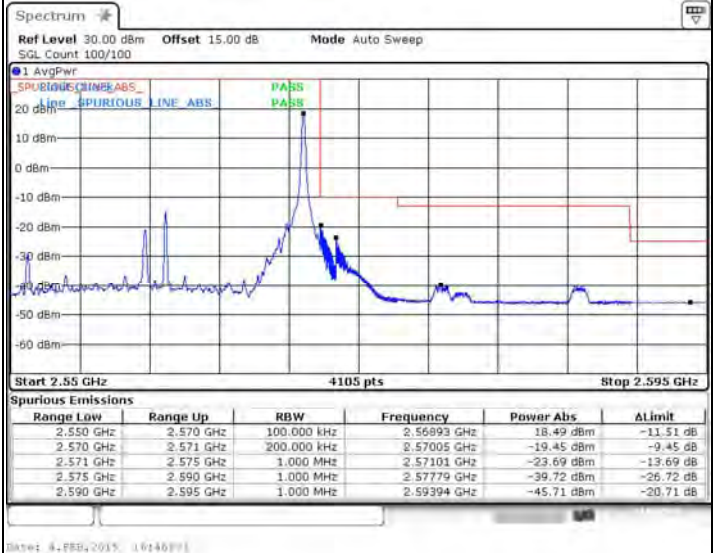


LTE Band 7 / 20MHz / QPSK

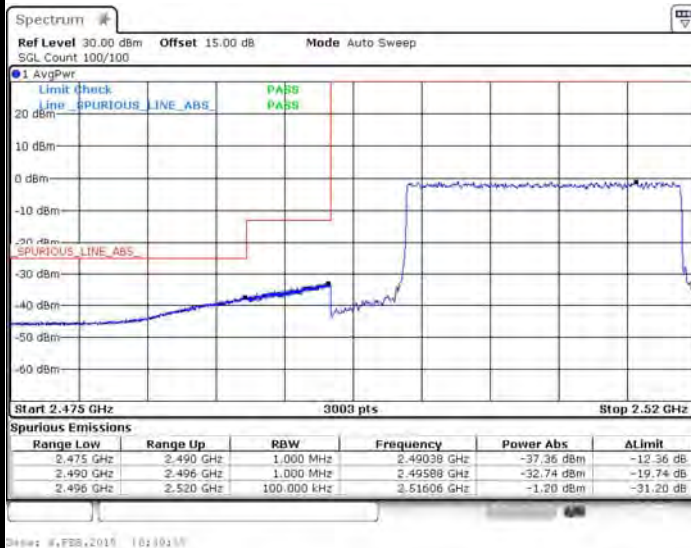
Lowest Band Edge / 1 RB



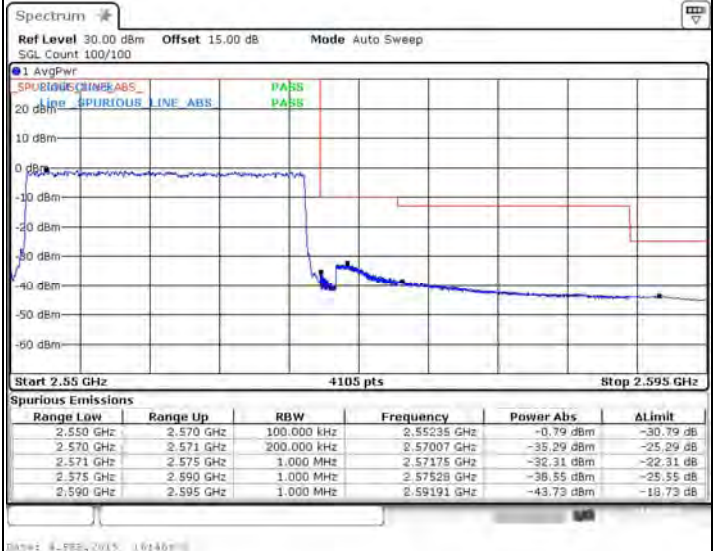
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



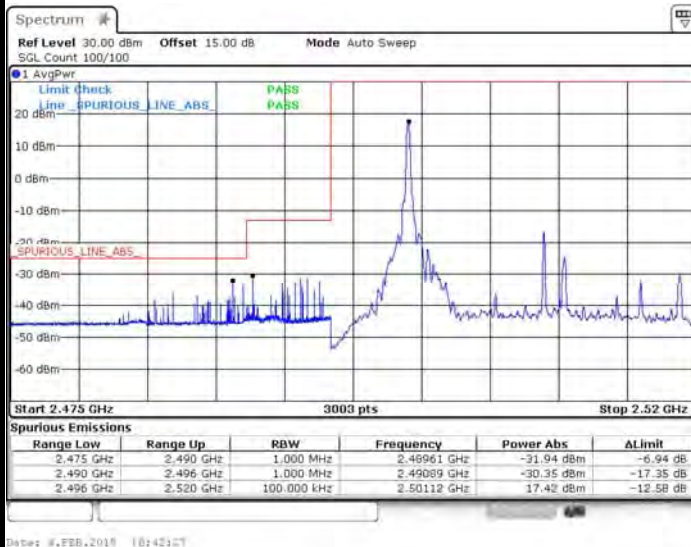
Highest Band Edge / Full RB



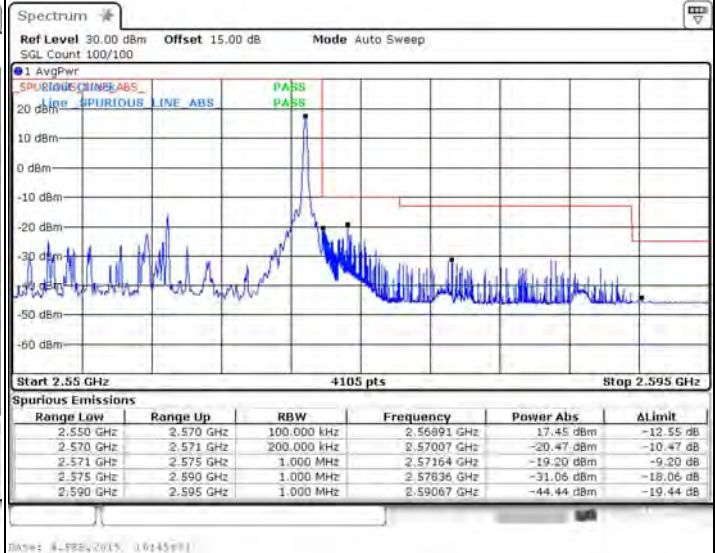


LTE Band 7 / 20MHz / 16QAM

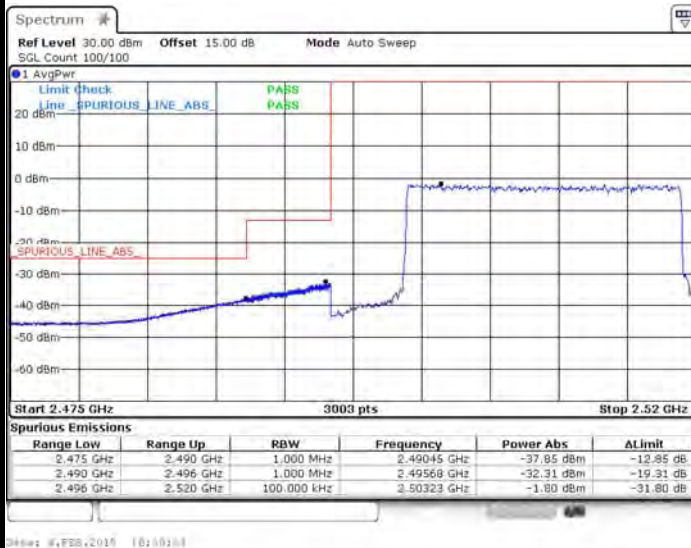
Lowest Band Edge / 1 RB



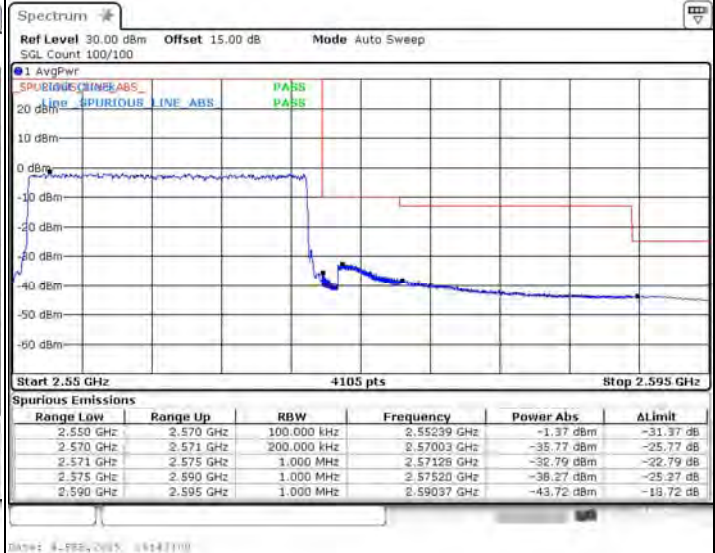
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



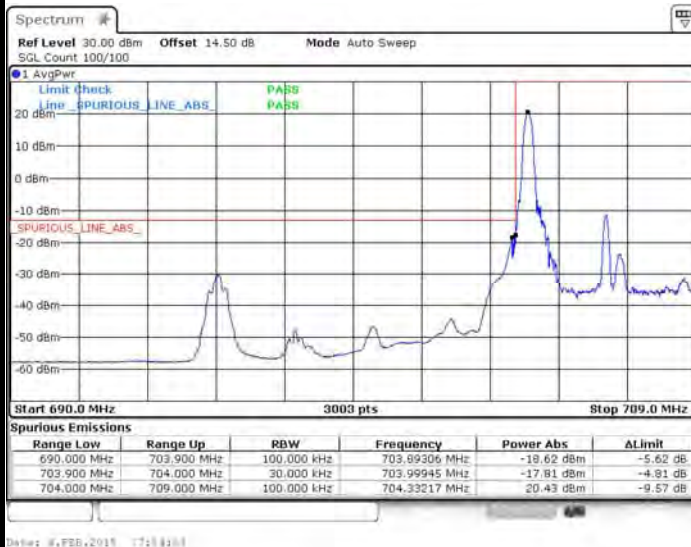
Highest Band Edge / Full RB



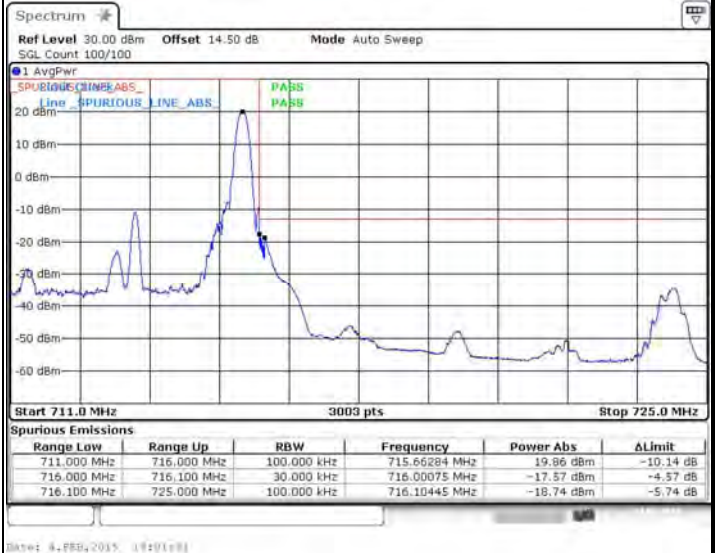


LTE Band 17 / 5MHz / QPSK

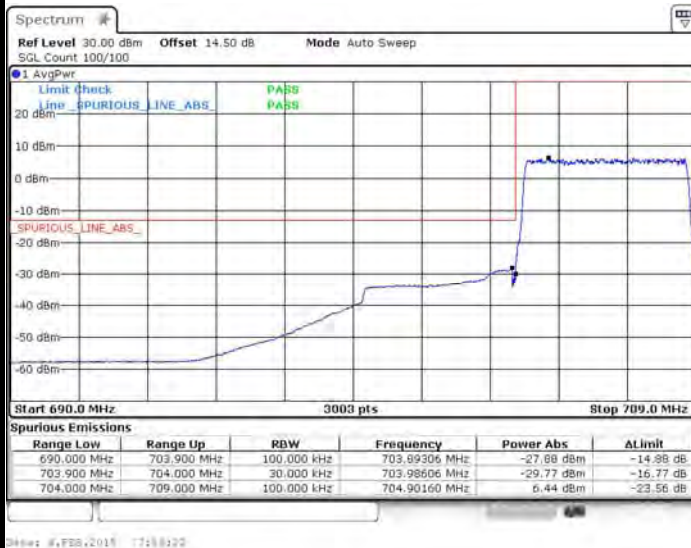
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



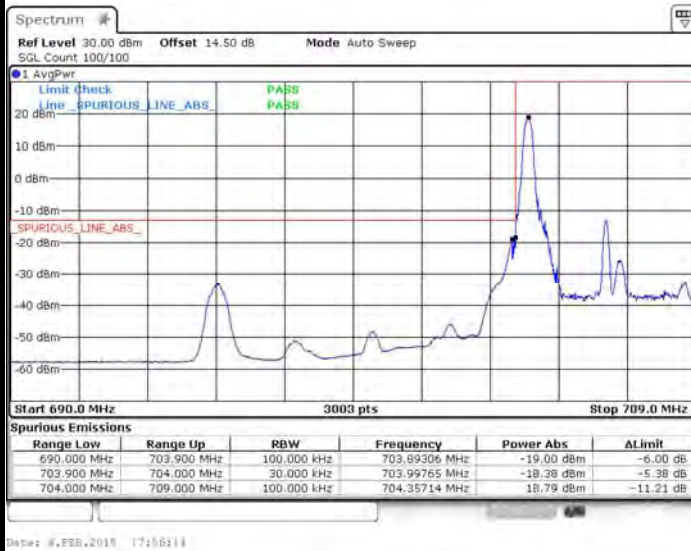
Highest Band Edge / Full RB





LTE Band 17 / 5MHz / 16QAM

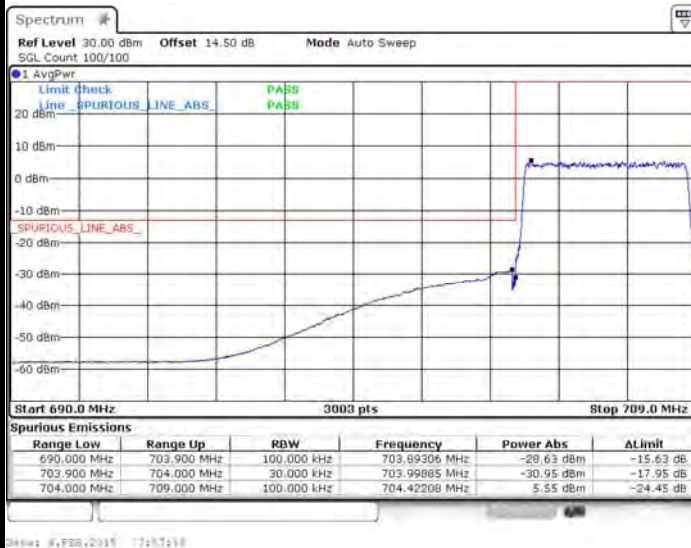
Lowest Band Edge / 1 RB



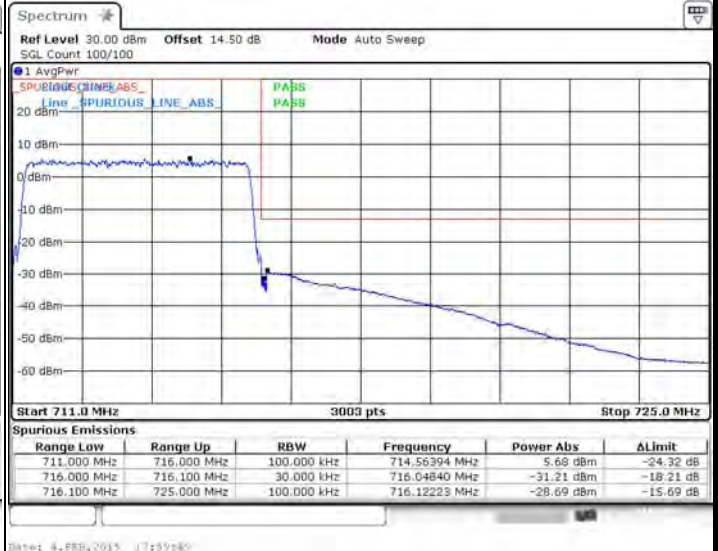
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



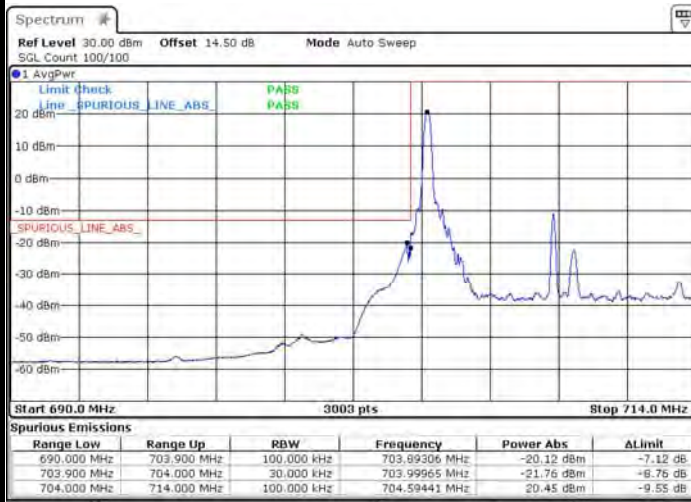
Highest Band Edge / Full RB





LTE Band 17 / 10MHz / QPSK

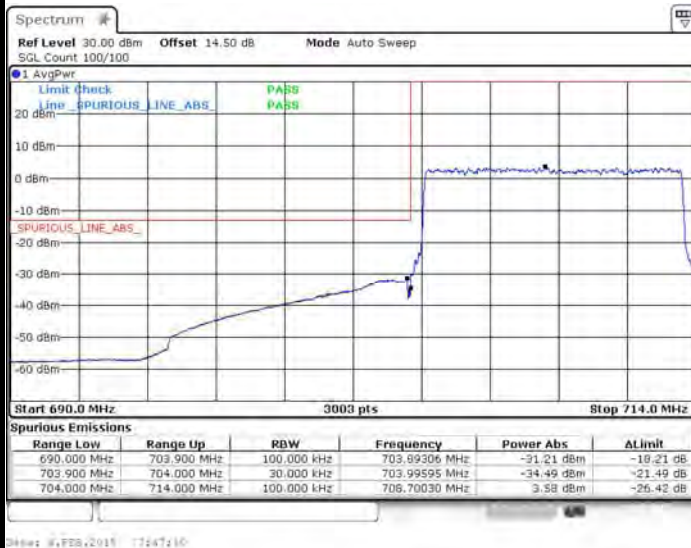
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



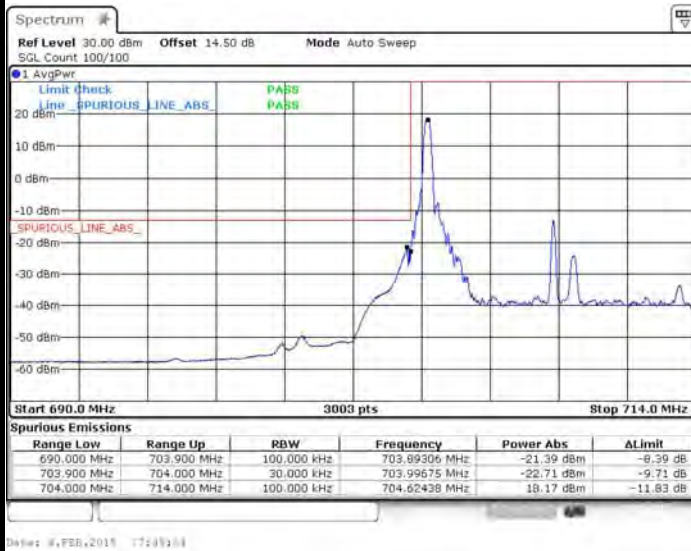
Highest Band Edge / Full RB



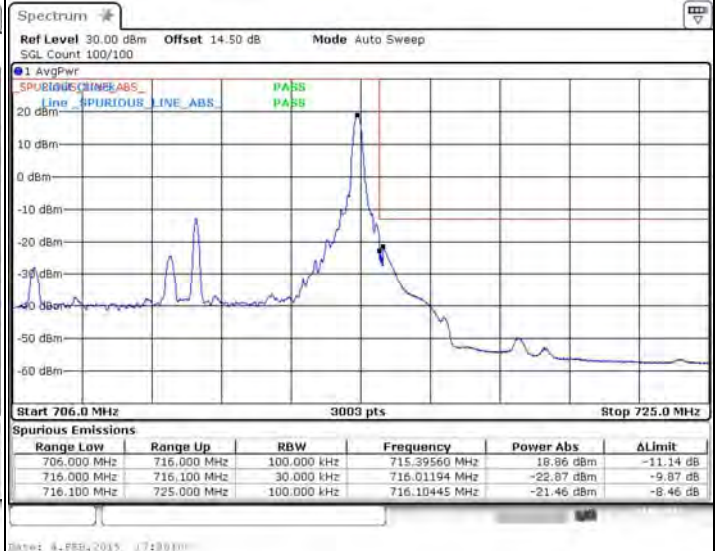


LTE Band 17 / 10MHz / 16QAM

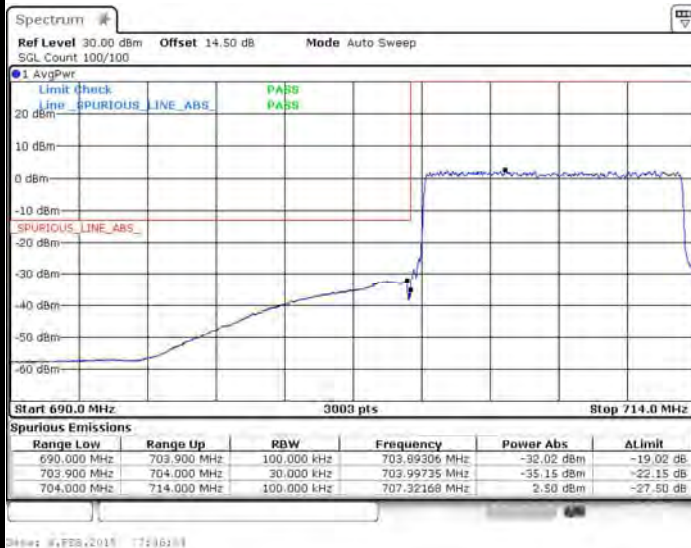
Lowest Band Edge / 1 RB



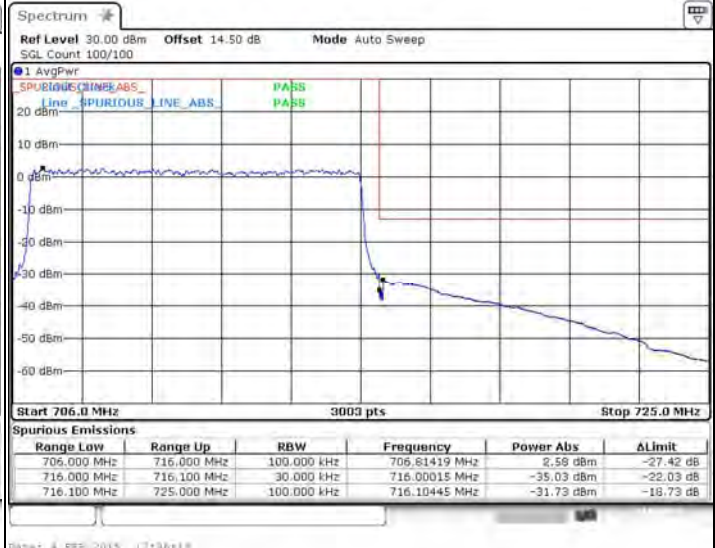
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

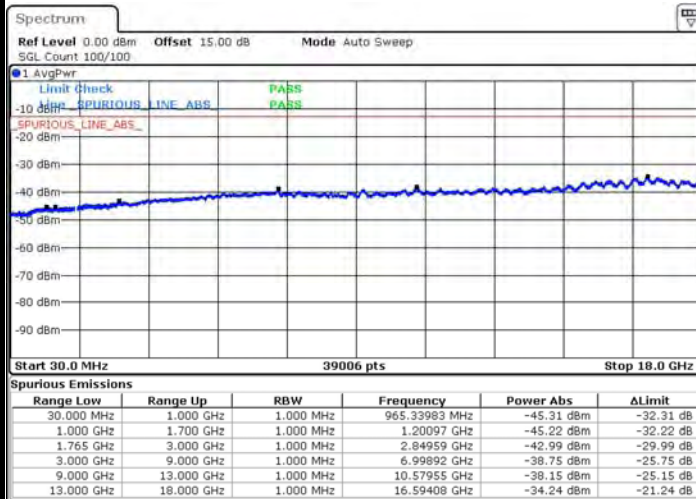




Conducted Spurious Emission

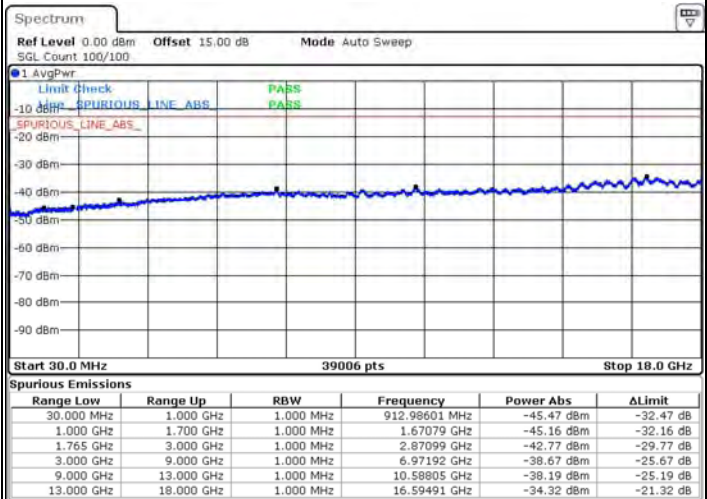
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



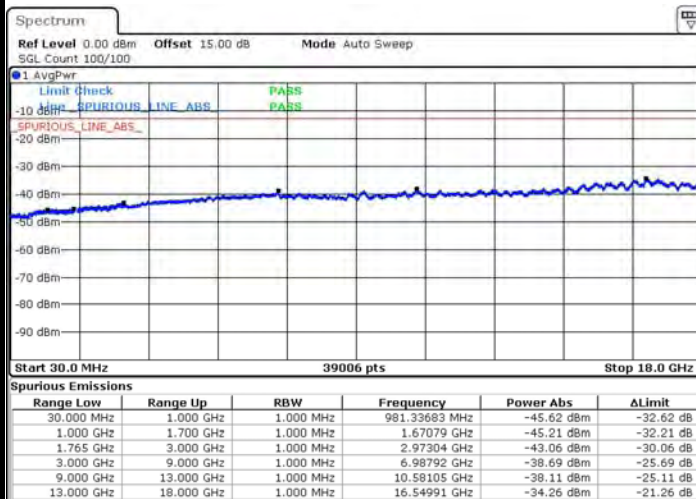
Date: 26.FEB.2015 16:44:06

Lowest Channel / 16QAM



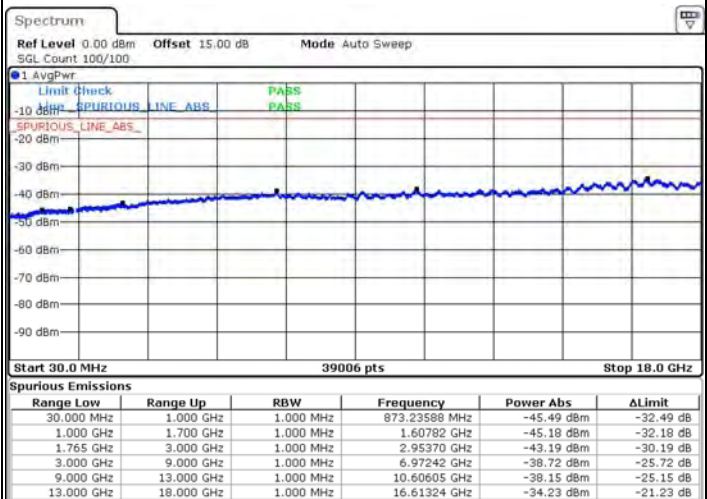
Date: 26.FEB.2015 16:45:34

Middle Channel / QPSK



Date: 26.FEB.2015 16:48:39

Middle Channel / 16QAM

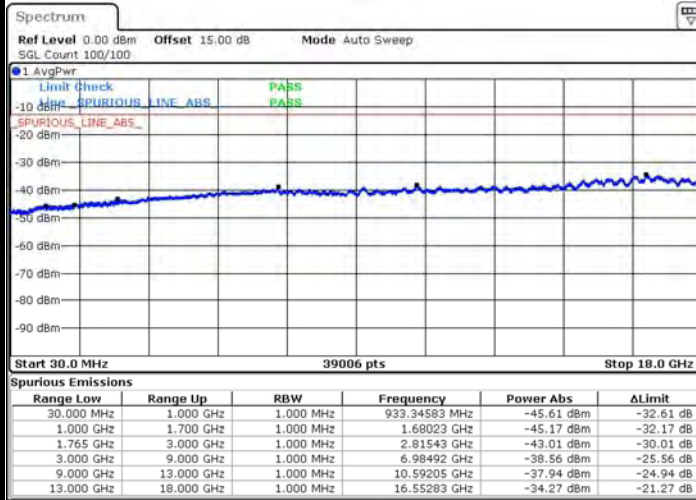


Date: 26.FEB.2015 16:47:21



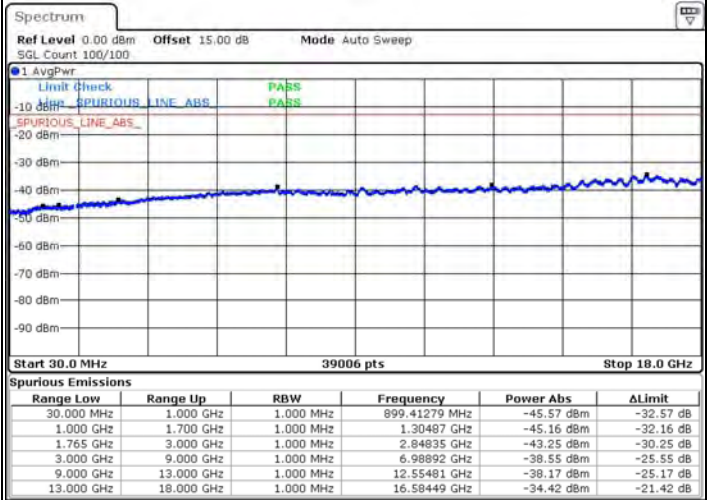
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 26.FEB.2015 16:50:14

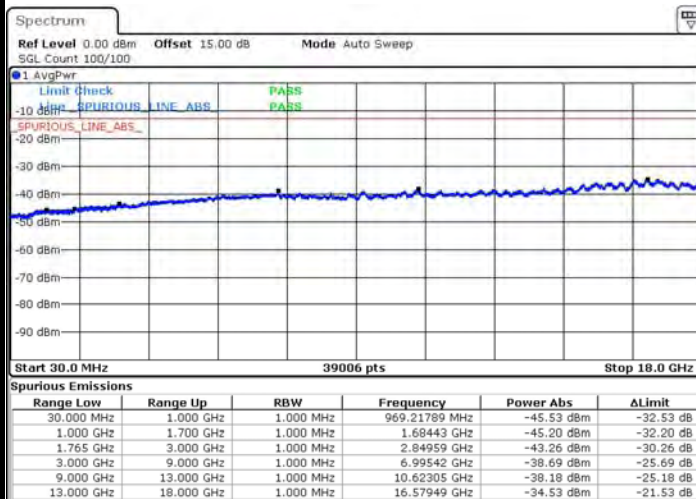
Highest Channel / 16QAM



Date: 26.FEB.2015 16:52:40

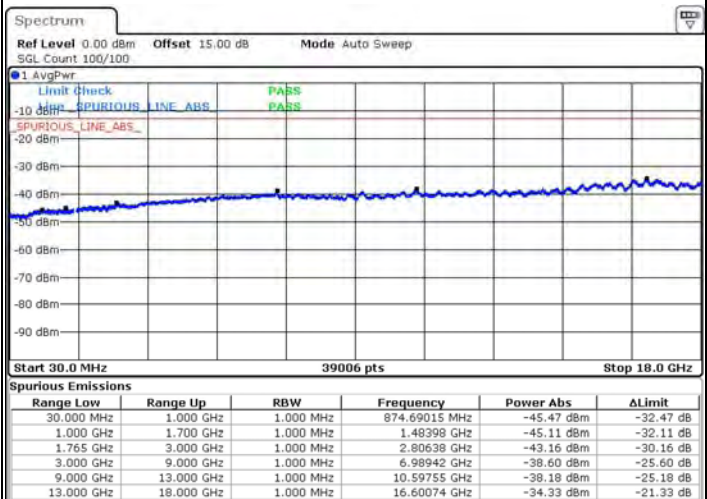
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 26.FEB.2015 15:18:53

Lowest Channel / 16QAM

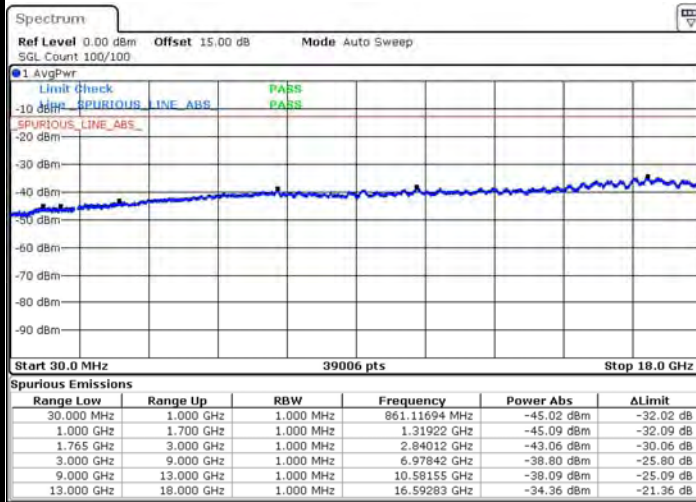


Date: 26.FEB.2015 15:21:01



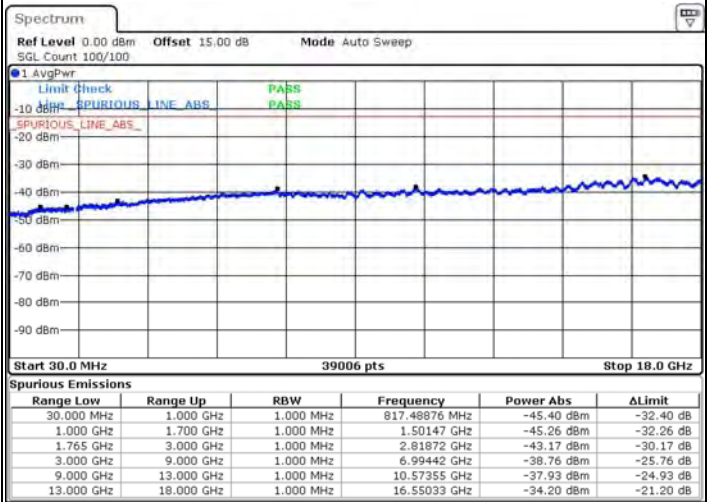
LTE Band 4 / 3MHz

Middle Channel / QPSK



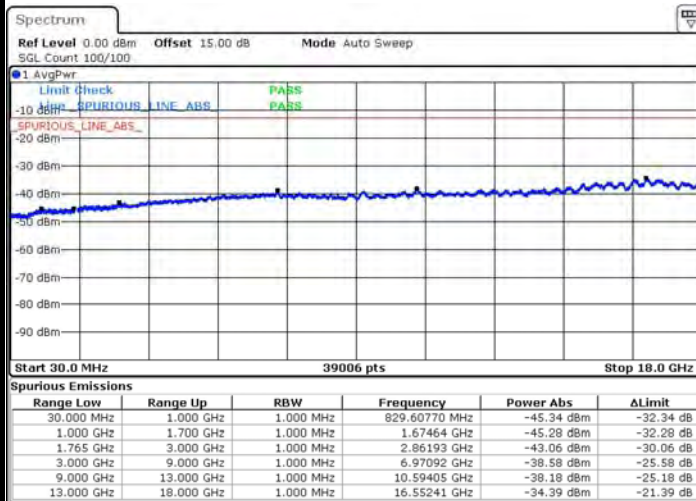
Date: 26.FEB.2015 15:39:49

Middle Channel / 16QAM



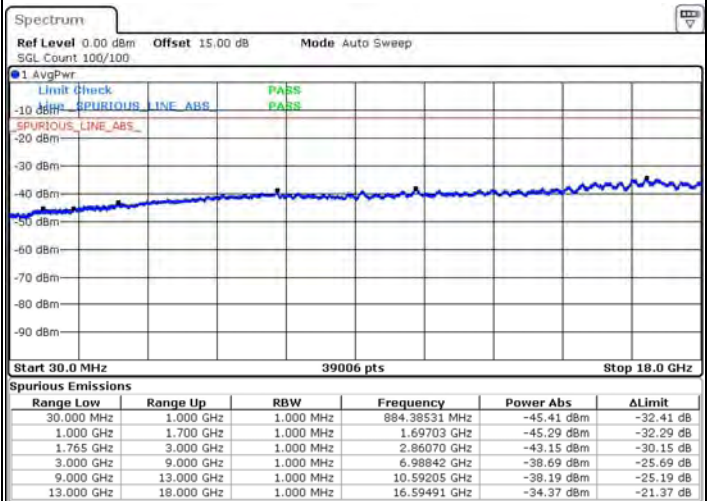
Date: 26.FEB.2015 15:43:35

Highest Channel / QPSK



Date: 26.FEB.2015 16:18:14

Highest Channel / 16QAM

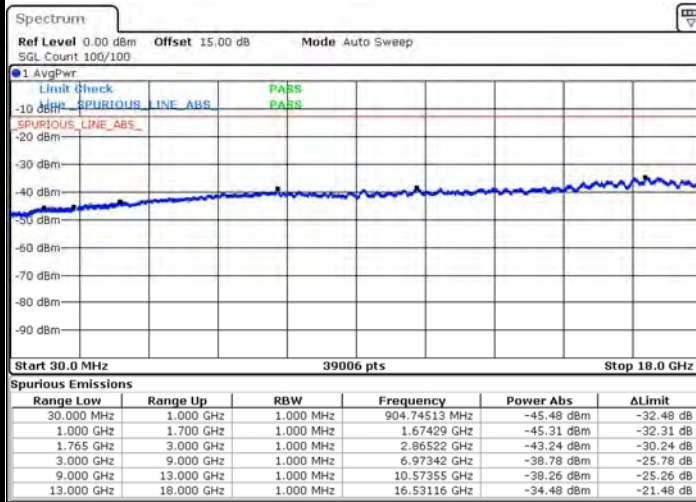


Date: 26.FEB.2015 16:20:55



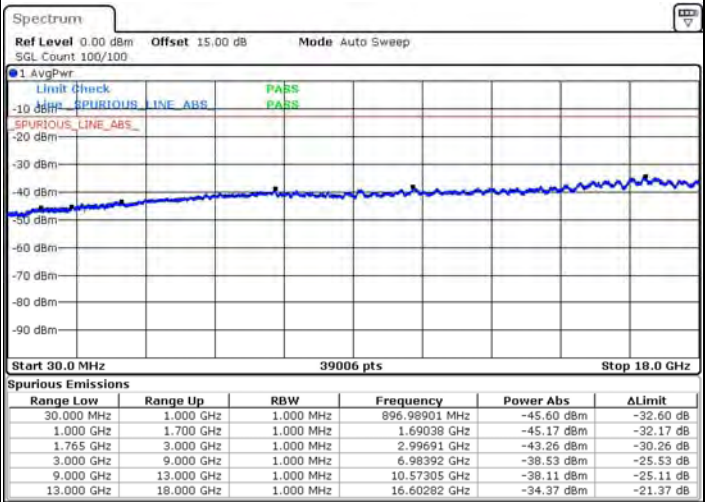
LTE Band 4 / 5MHz

Lowest Channel / QPSK



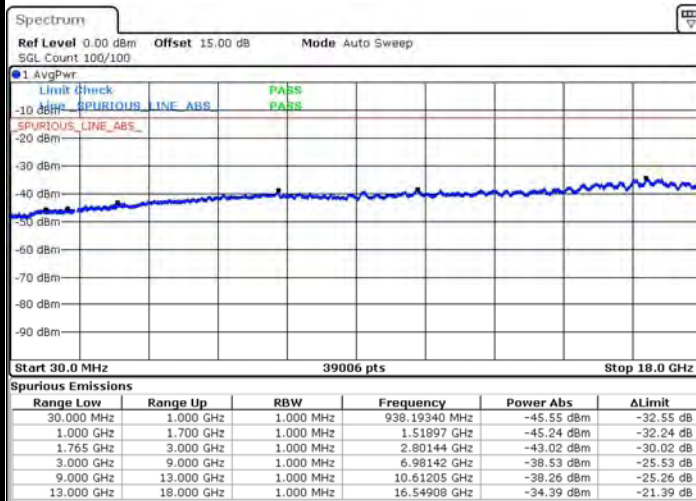
Date: 10.FEB.2015 15:55:35

Lowest Channel / 16QAM



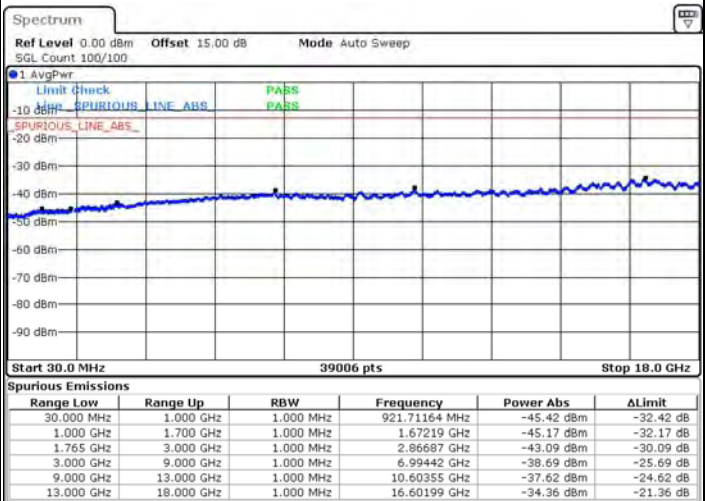
Date: 10.FEB.2015 15:56:56

Middle Channel / QPSK



Date: 10.FEB.2015 15:59:02

Middle Channel / 16QAM

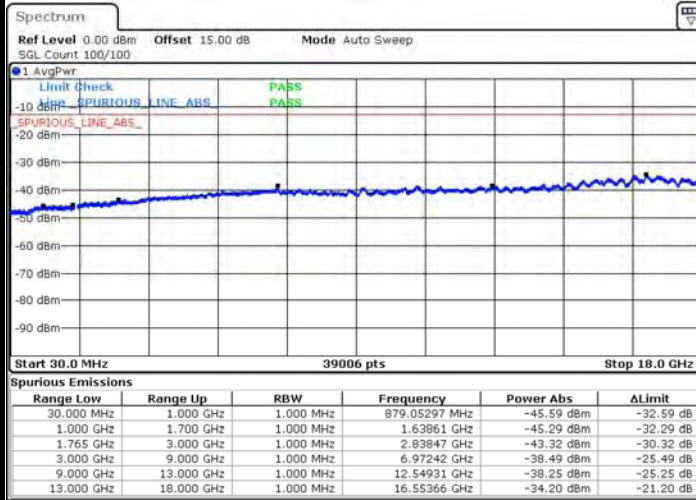


Date: 10.FEB.2015 16:00:23



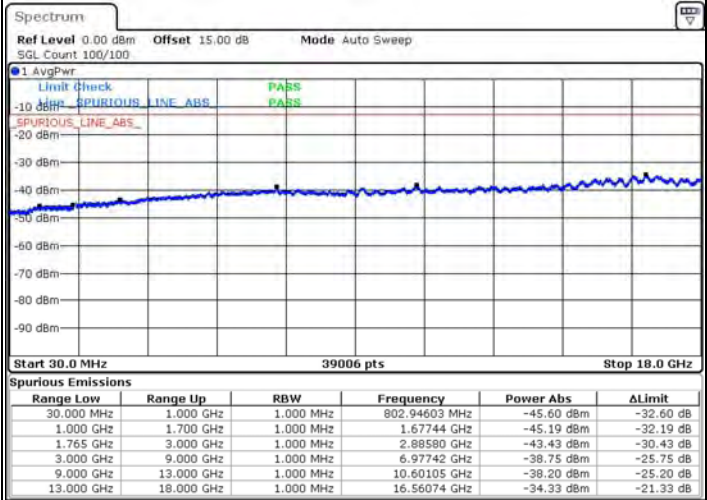
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 10.FEB.2015 16:02:30

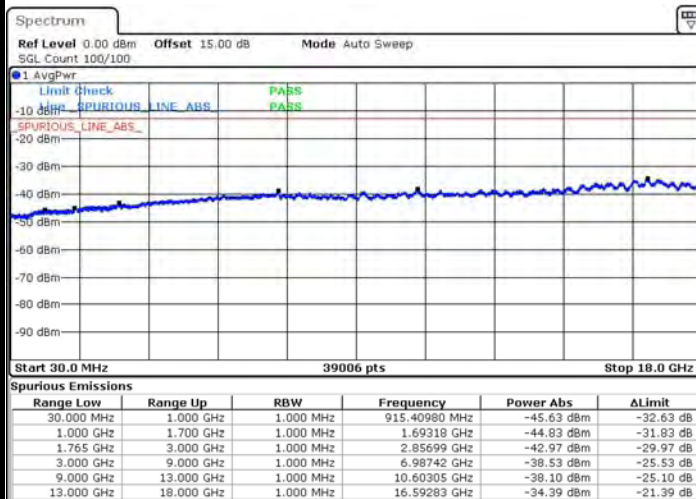
Highest Channel / 16QAM



Date: 10.FEB.2015 16:03:51

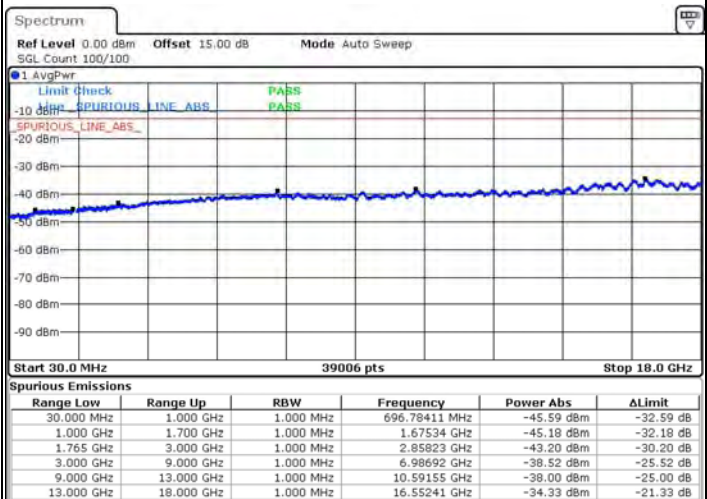
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 10.FEB.2015 14:45:27

Lowest Channel / 16QAM

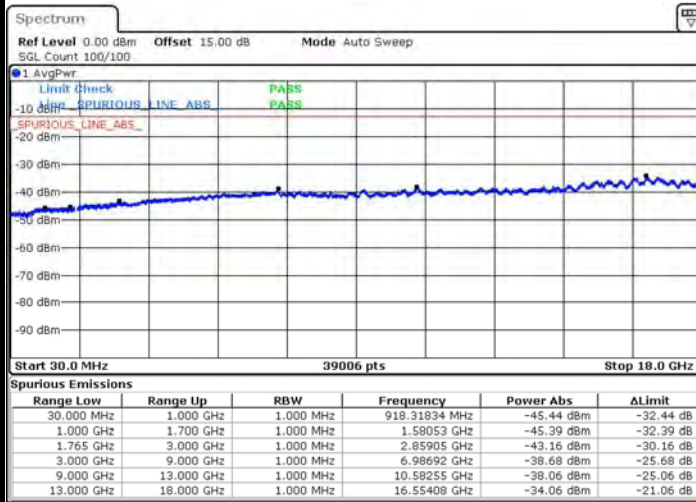


Date: 10.FEB.2015 14:46:48



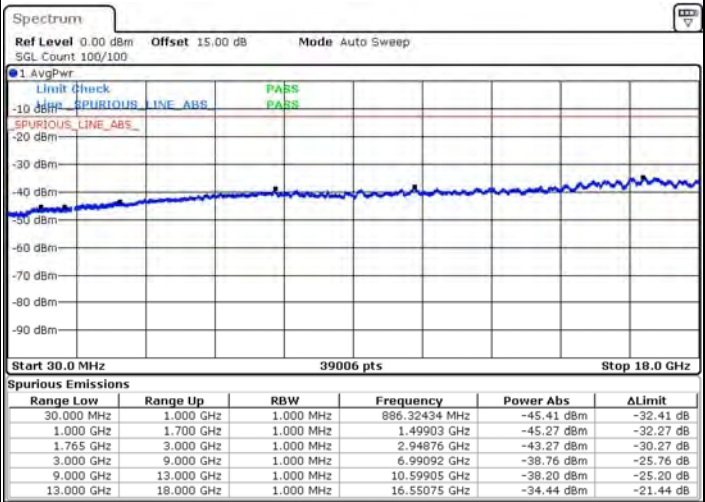
LTE Band 4 / 10MHz

Middle Channel / QPSK



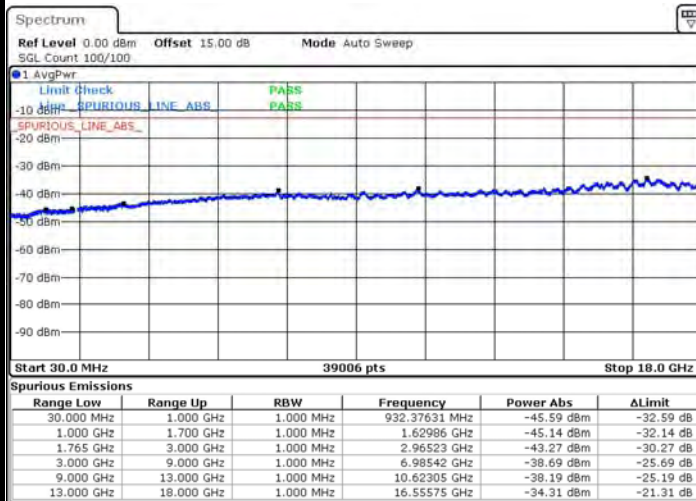
Date: 10.FEB.2015 14:48:54

Middle Channel / 16QAM



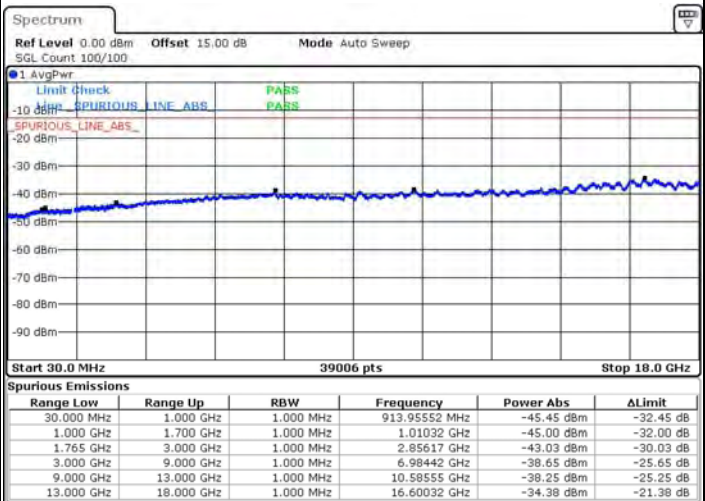
Date: 10.FEB.2015 14:50:15

Highest Channel / QPSK



Date: 10.FEB.2015 14:52:21

Highest Channel / 16QAM

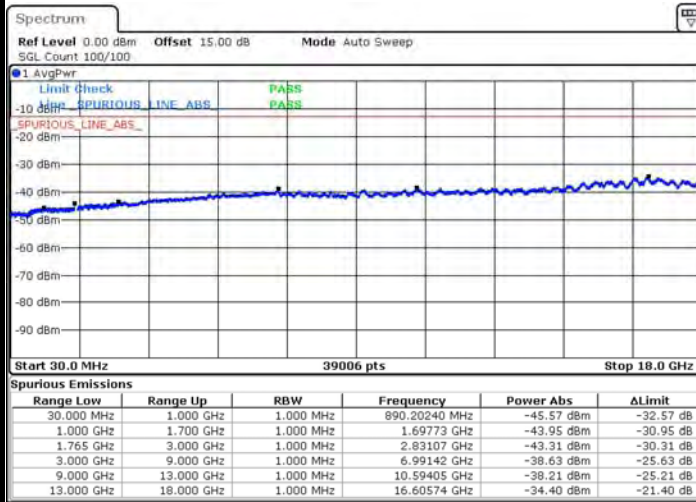


Date: 10.FEB.2015 14:53:42



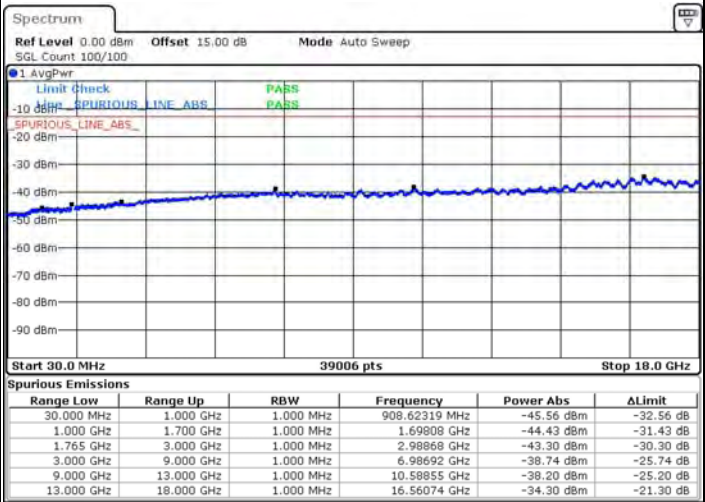
LTE Band 4 / 15MHz

Lowest Channel / QPSK



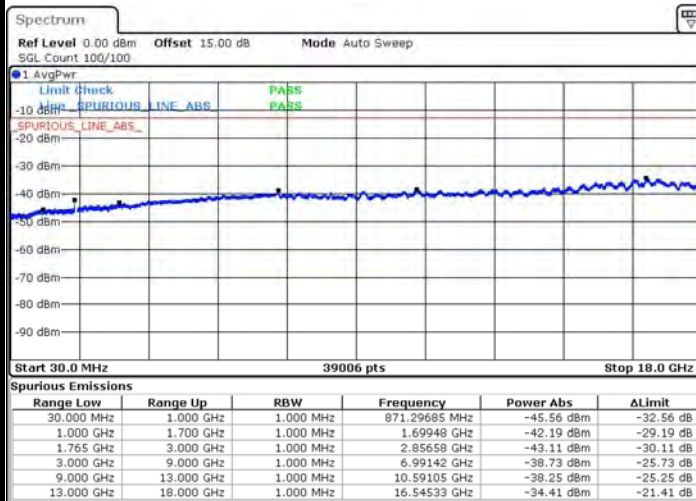
Date: 10.FEB.2015 16:21:10

Lowest Channel / 16QAM



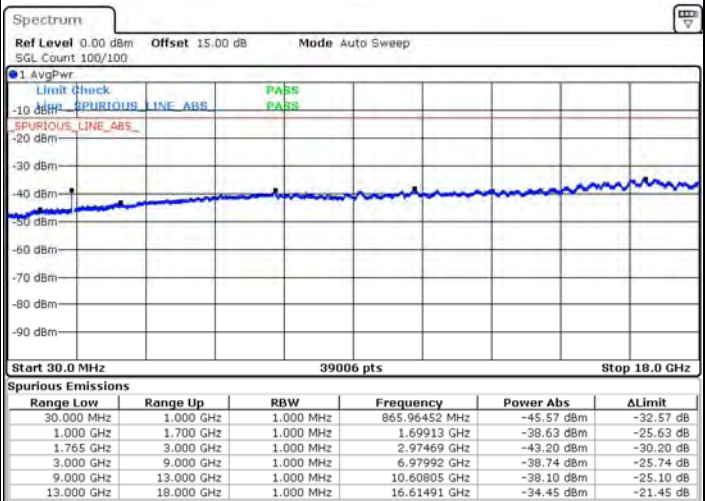
Date: 10.FEB.2015 16:22:31

Middle Channel / QPSK



Date: 10.FEB.2015 16:24:37

Middle Channel / 16QAM

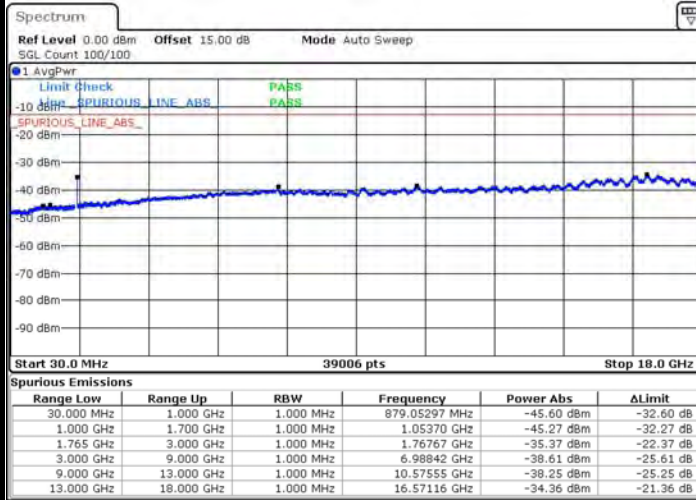


Date: 10.FEB.2015 16:25:59



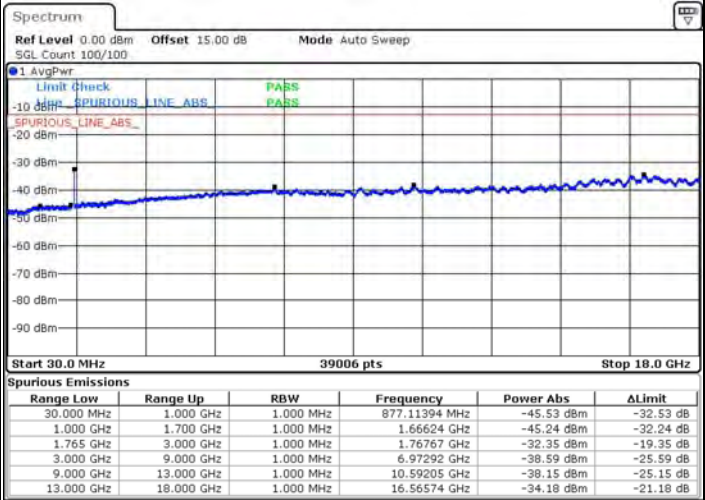
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 10.FEB.2015 16:28:05

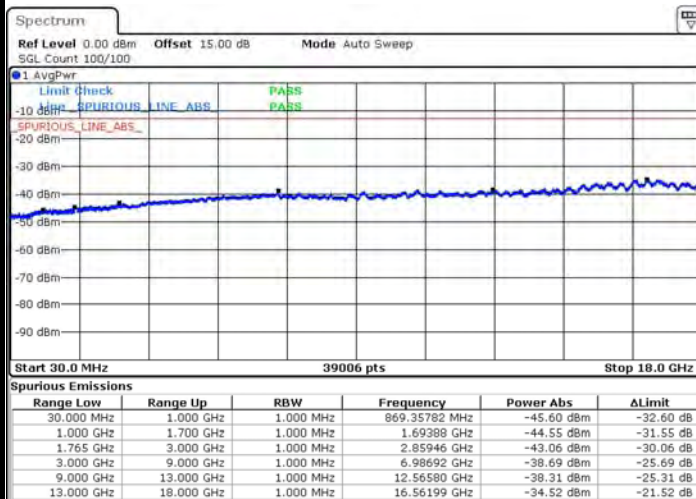
Highest Channel / 16QAM



Date: 10.FEB.2015 16:29:26

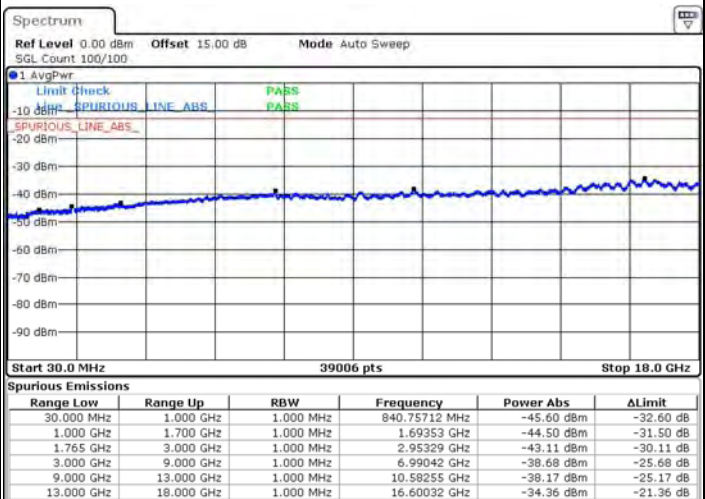
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 10.FEB.2015 16:53:21

Lowest Channel / 16QAM

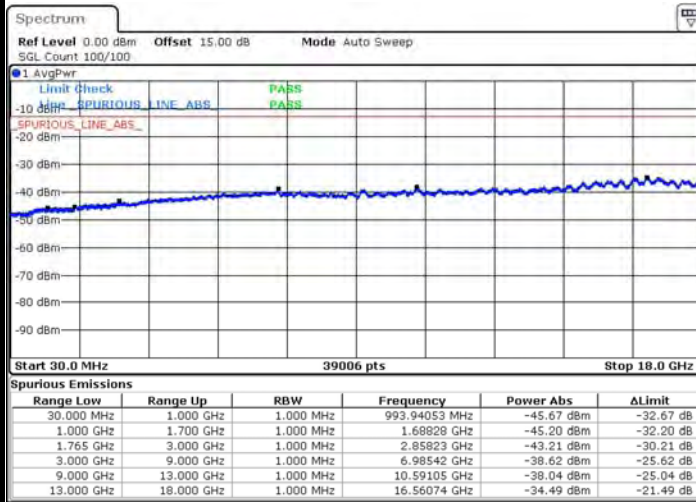


Date: 10.FEB.2015 16:54:43



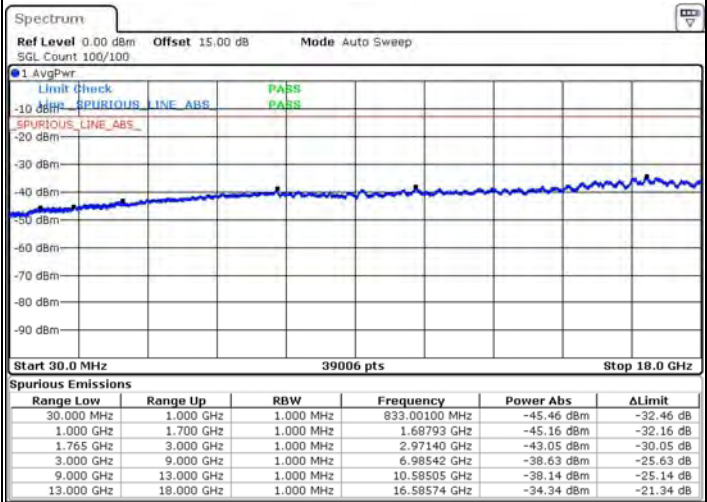
LTE Band 4 / 20MHz

Middle Channel / QPSK



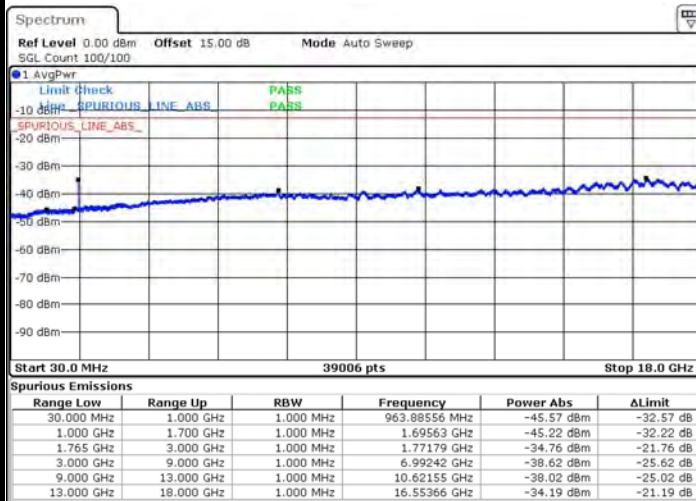
Date: 10.FEB.2015 16:56:49

Middle Channel / 16QAM



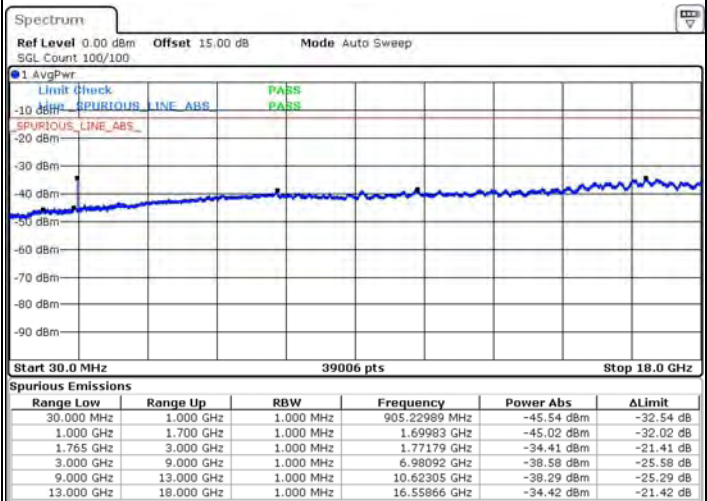
Date: 10.FEB.2015 16:58:10

Highest Channel / QPSK



Date: 10.FEB.2015 17:00:15

Highest Channel / 16QAM

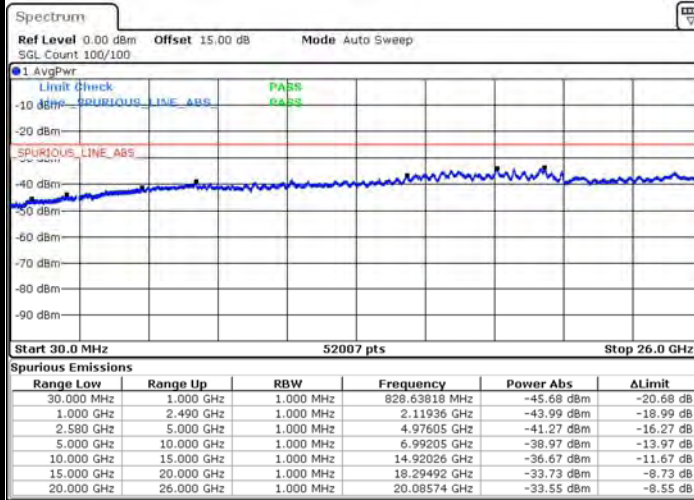


Date: 10.FEB.2015 17:01:36



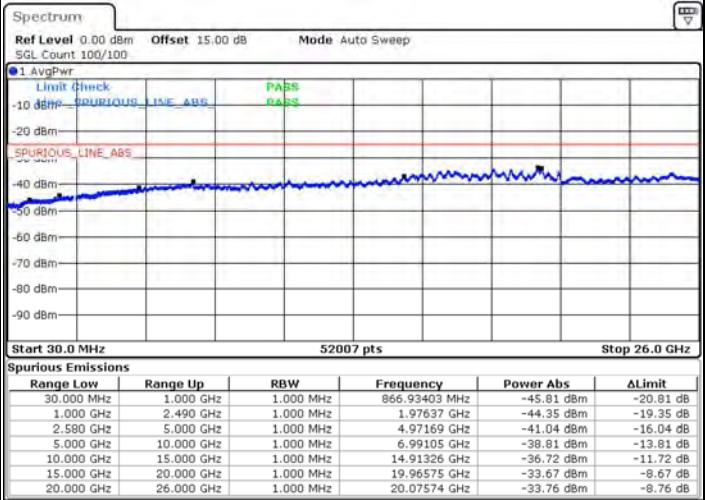
LTE Band 7 / 5MHz

Lowest Channel / QPSK



Date: 4.FEB.2015 15:16:56

Lowest Channel / 16QAM



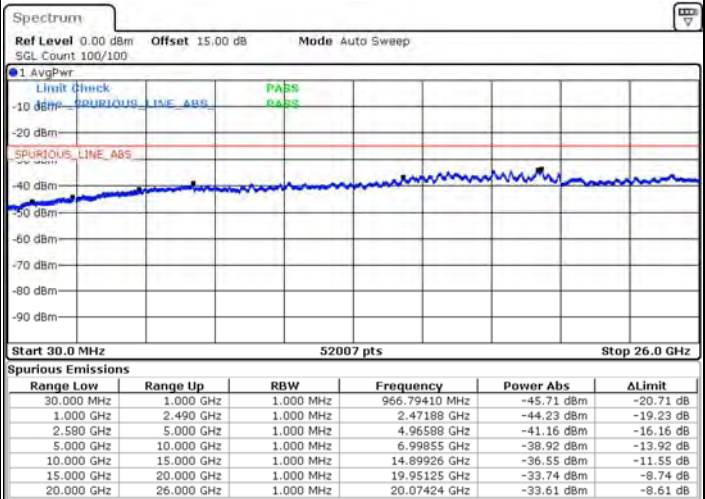
Date: 4.FEB.2015 15:18:17

Middle Channel / QPSK



Date: 4.FEB.2015 15:20:22

Middle Channel / 16QAM

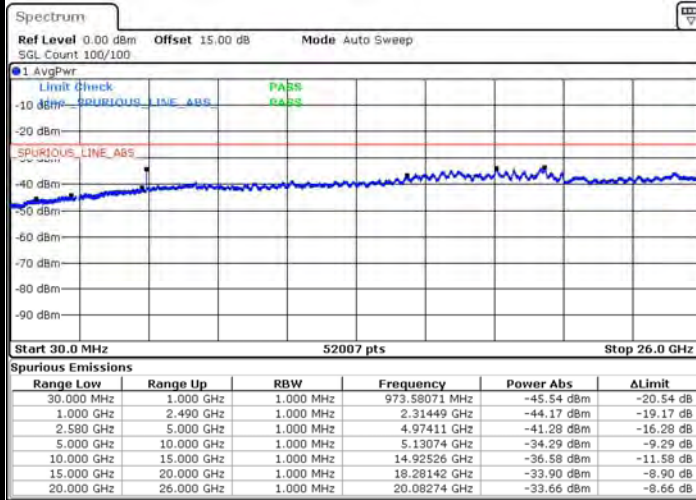


Date: 4.FEB.2015 15:21:43



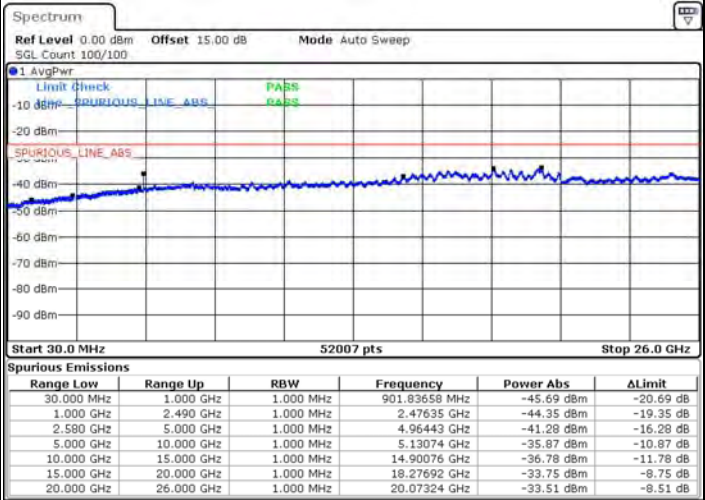
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 4.FEB.2015 15:23:49

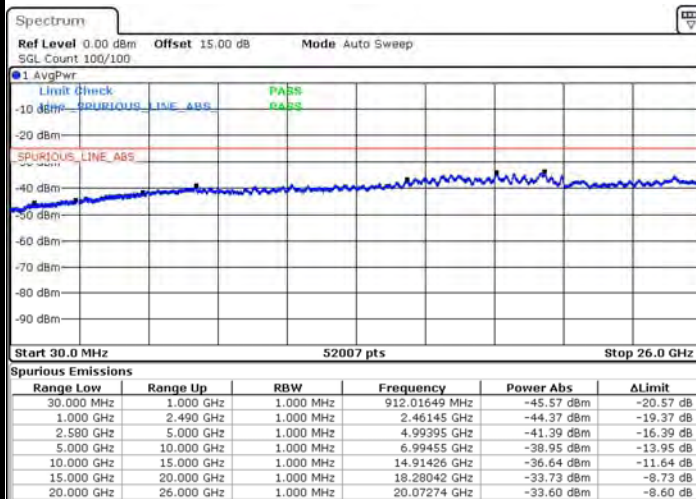
Highest Channel / 16QAM



Date: 4.FEB.2015 15:25:10

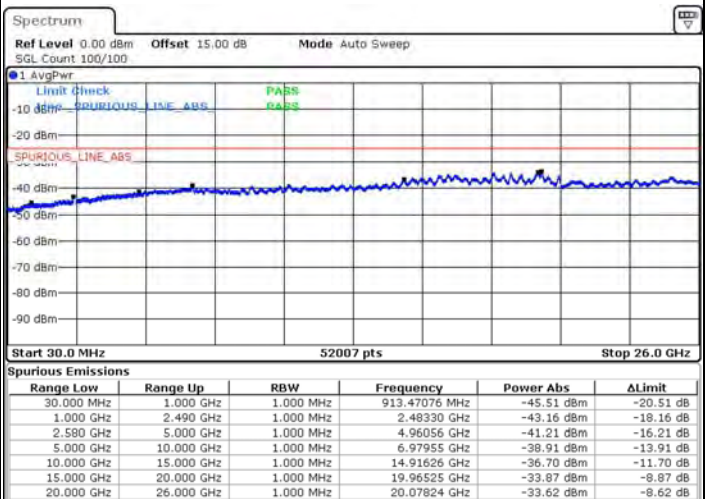
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 4.FEB.2015 15:28:15

Lowest Channel / 16QAM

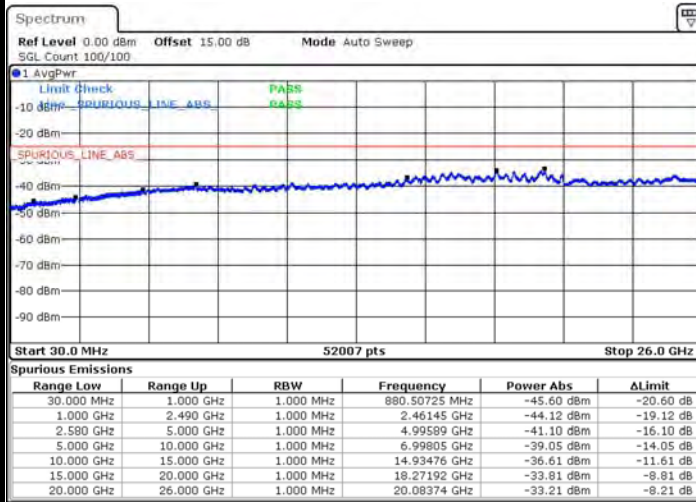


Date: 4.FEB.2015 15:29:37



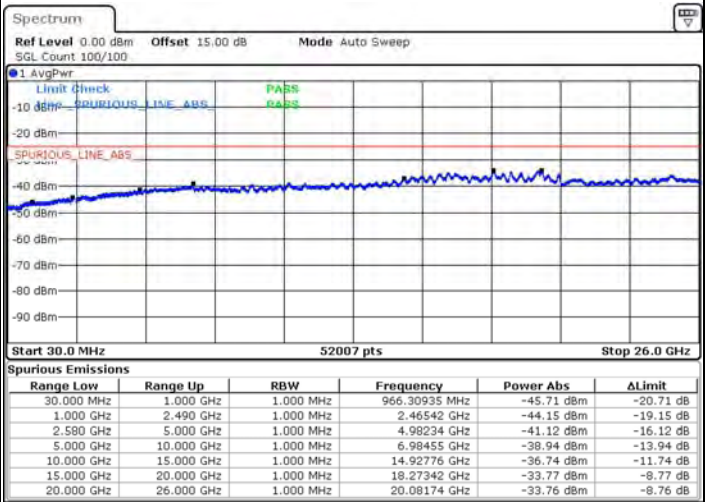
LTE Band 7 / 10MHz

Middle Channel / QPSK



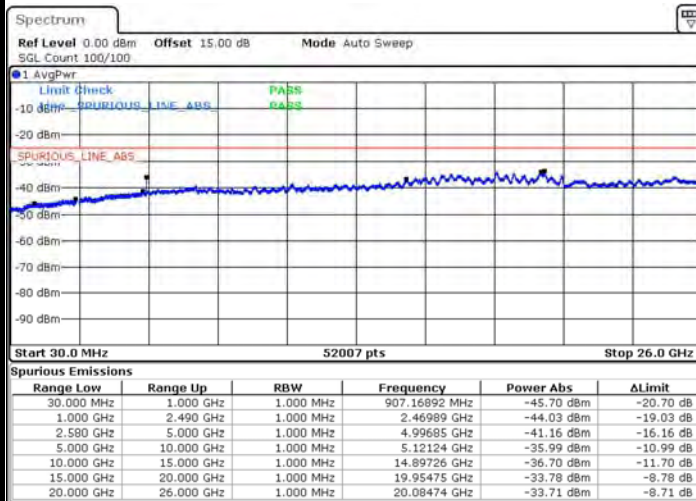
Date: 4.FEB.2015 15:31:42

Middle Channel / 16QAM



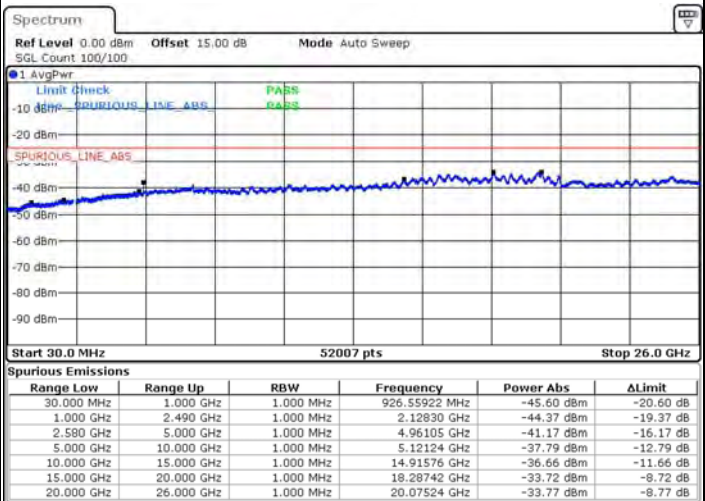
Date: 4.FEB.2015 15:33:03

Highest Channel / QPSK



Date: 4.FEB.2015 15:35:09

Highest Channel / 16QAM

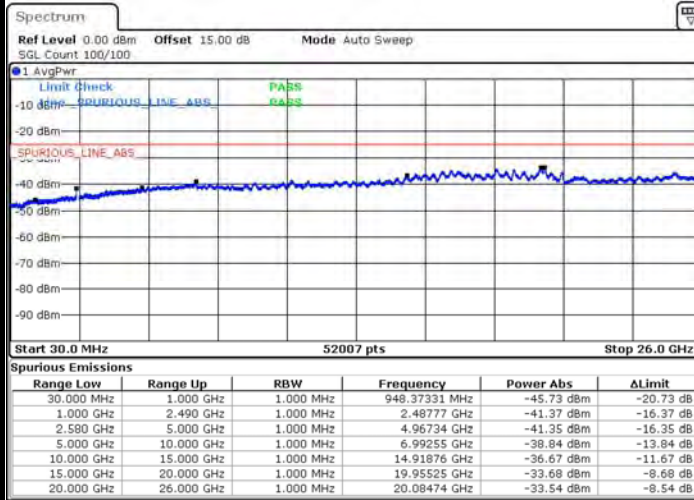


Date: 4.FEB.2015 15:36:30



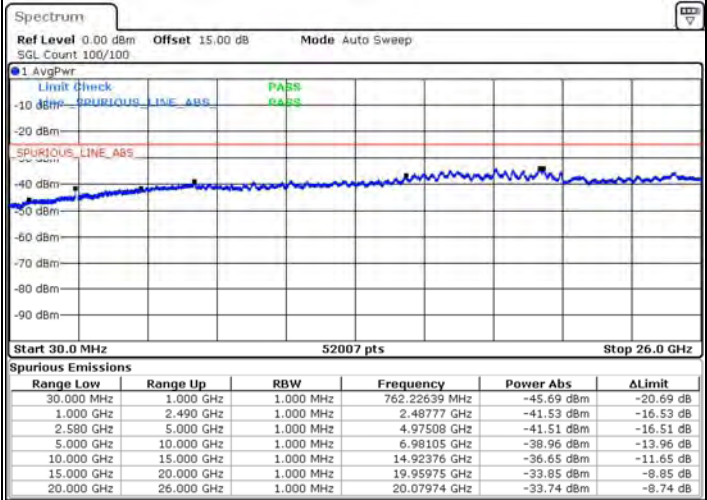
LTE Band 7 / 15MHz

Lowest Channel / QPSK



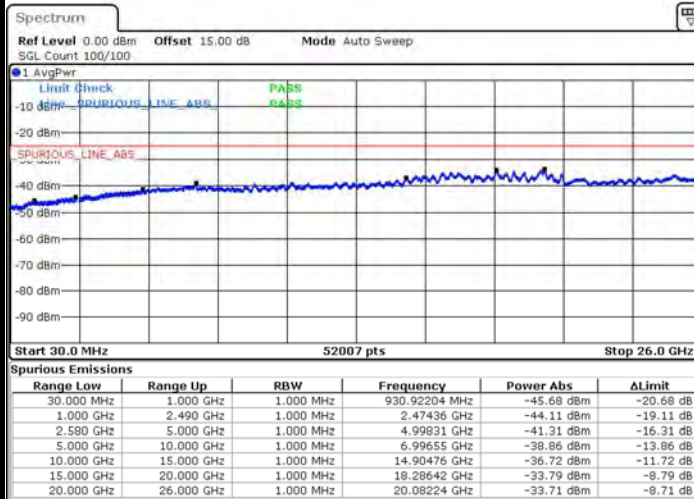
Date: 4.FEB.2015 15:39:21

Lowest Channel / 16QAM



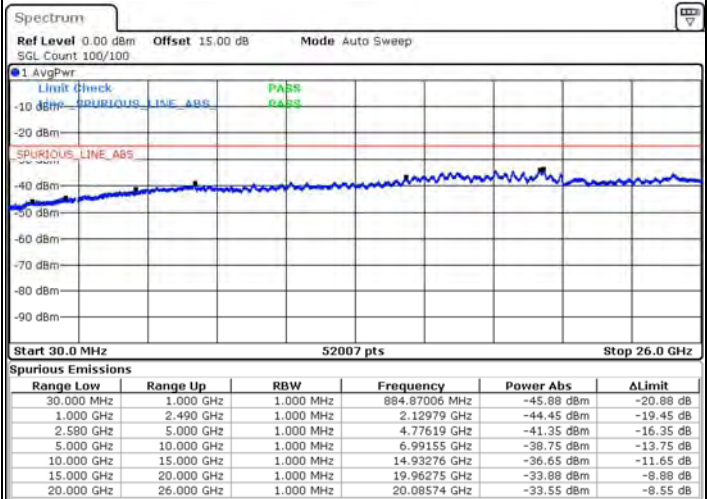
Date: 4.FEB.2015 15:40:43

Middle Channel / QPSK



Date: 4.FEB.2015 15:42:48

Middle Channel / 16QAM

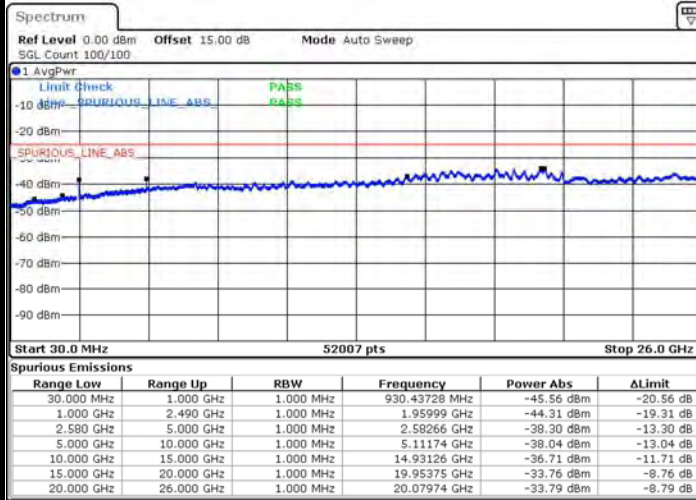


Date: 4.FEB.2015 15:44:09



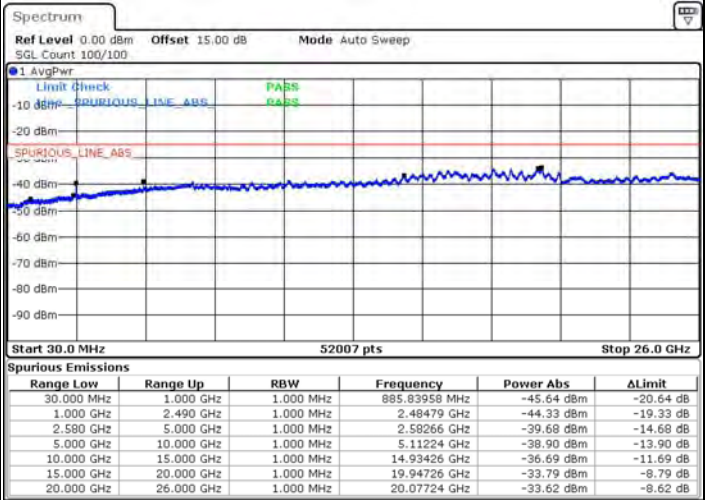
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 4.FEB.2015 15:46:15

Highest Channel / 16QAM



Date: 4.FEB.2015 15:47:36

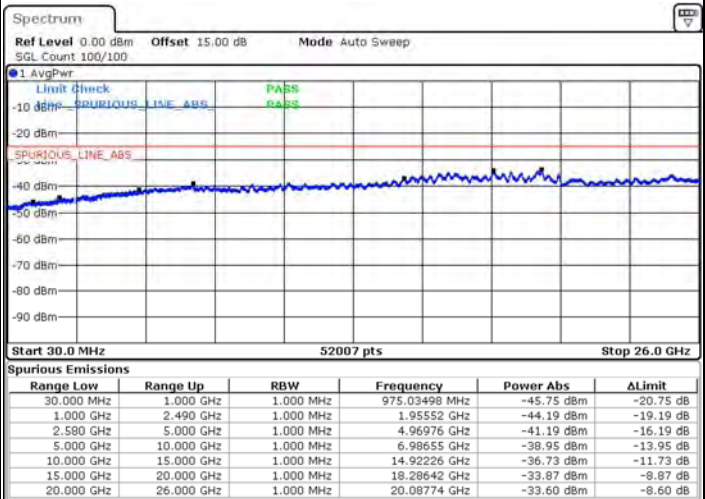
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 4.FEB.2015 15:50:15

Lowest Channel / 16QAM

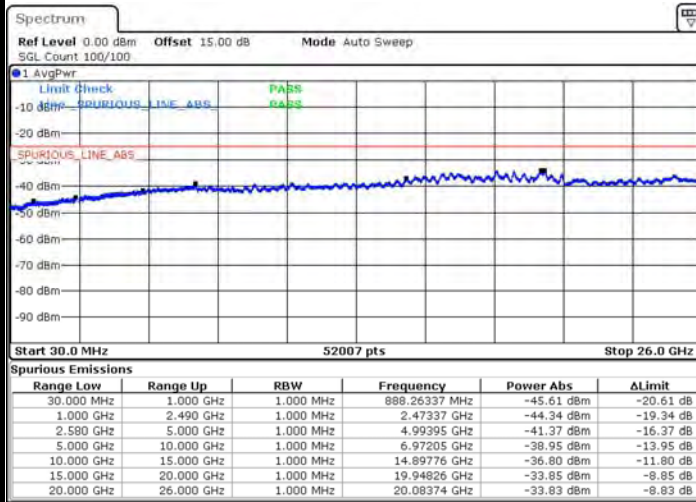


Date: 4.FEB.2015 15:51:36



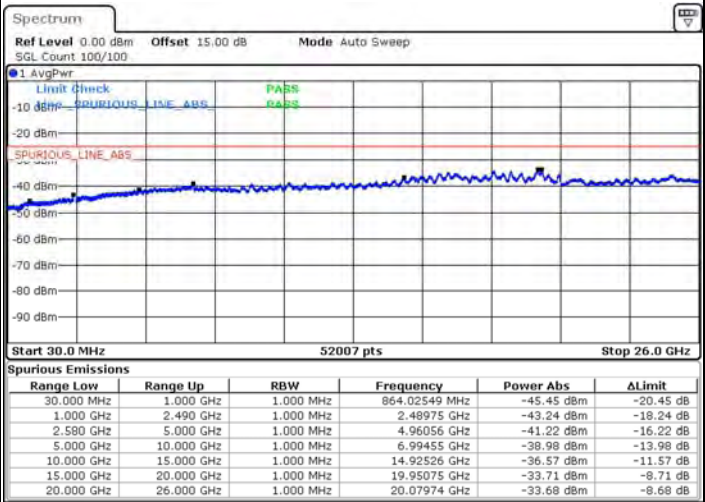
LTE Band 7 / 20MHz

Middle Channel / QPSK



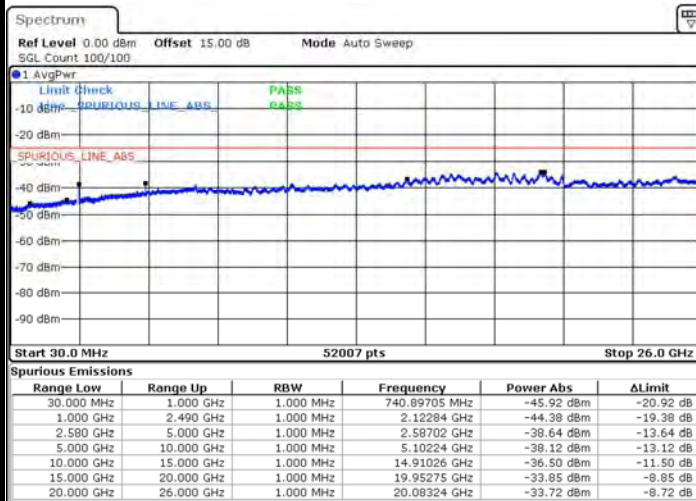
Date: 4.FEB.2015 15:53:41

Middle Channel / 16QAM



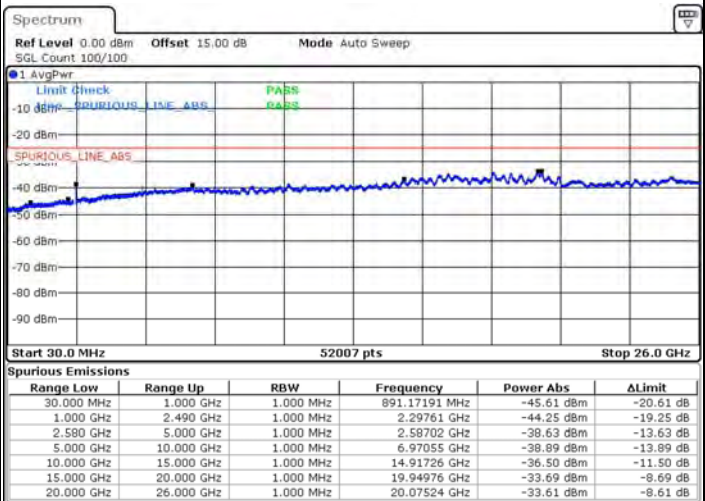
Date: 4.FEB.2015 15:55:02

Highest Channel / QPSK



Date: 4.FEB.2015 15:57:08

Highest Channel / 16QAM

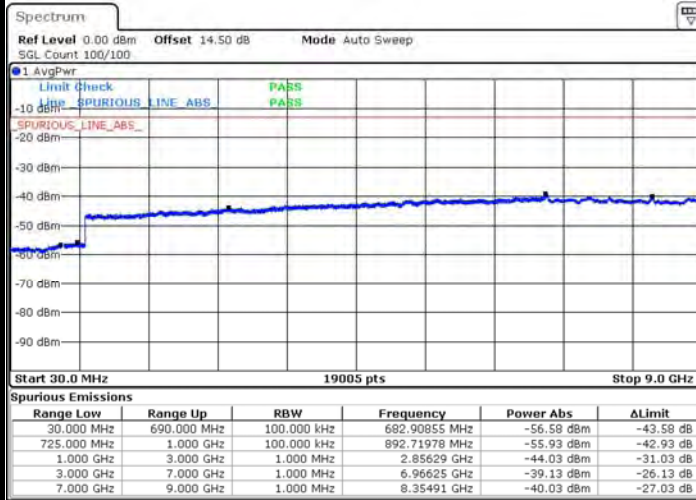


Date: 4.FEB.2015 15:58:29



LTE Band 17 / 5MHz

Lowest Channel / QPSK



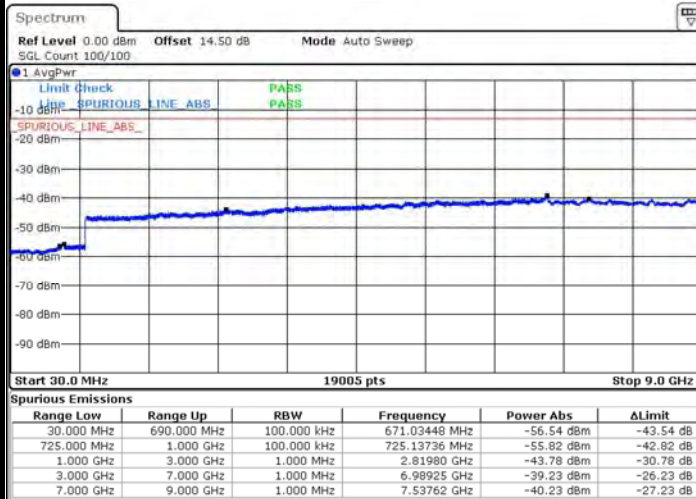
Date: 4.FEB.2015 17:04:18

Lowest Channel / 16QAM



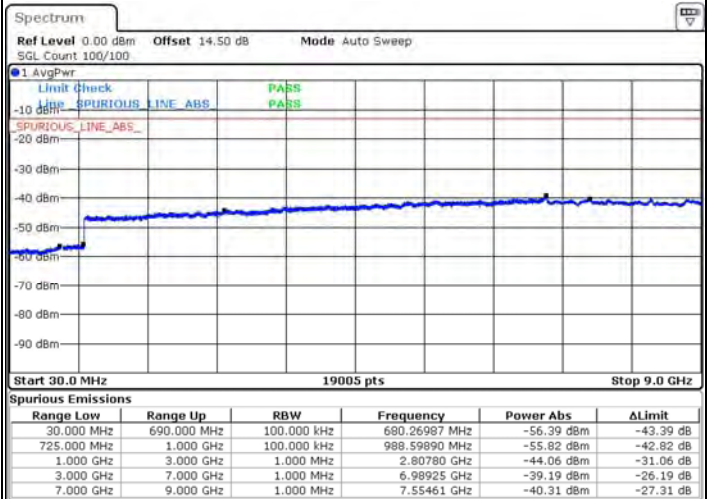
Date: 4.FEB.2015 17:05:39

Middle Channel / QPSK



Date: 4.FEB.2015 17:07:45

Middle Channel / 16QAM

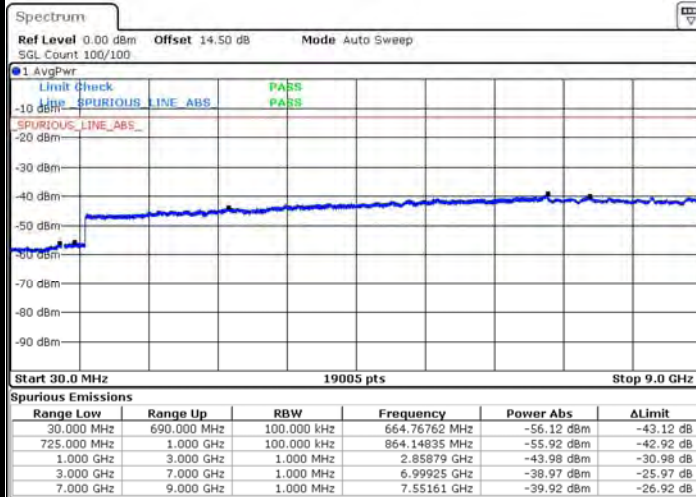


Date: 4.FEB.2015 17:09:06



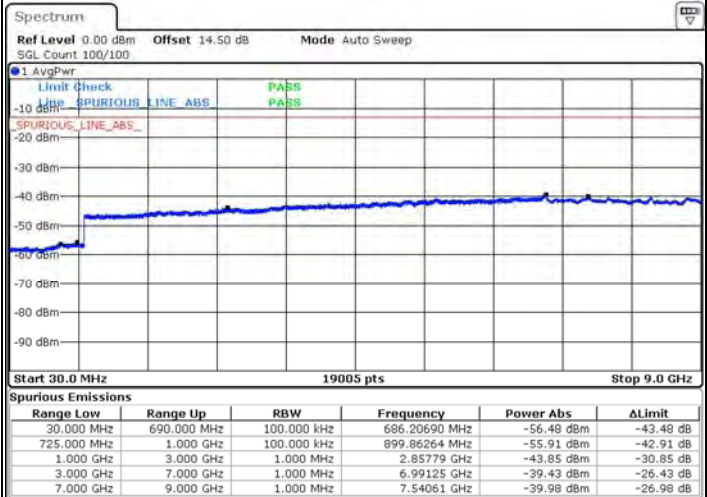
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 4.FEB.2015 17:11:11

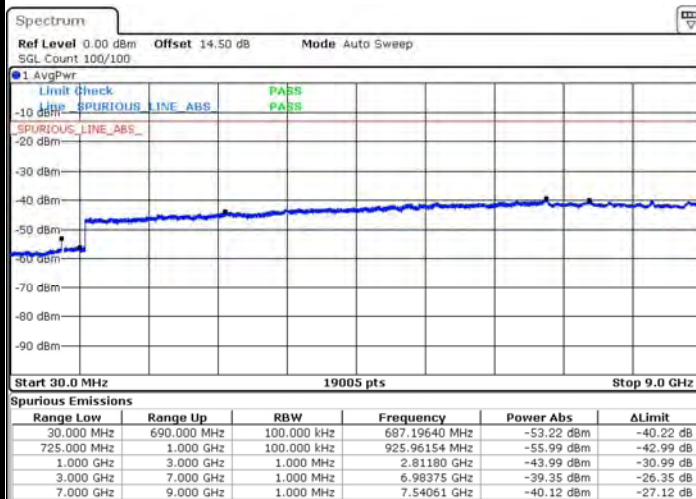
Highest Channel / 16QAM



Date: 4.FEB.2015 17:12:32

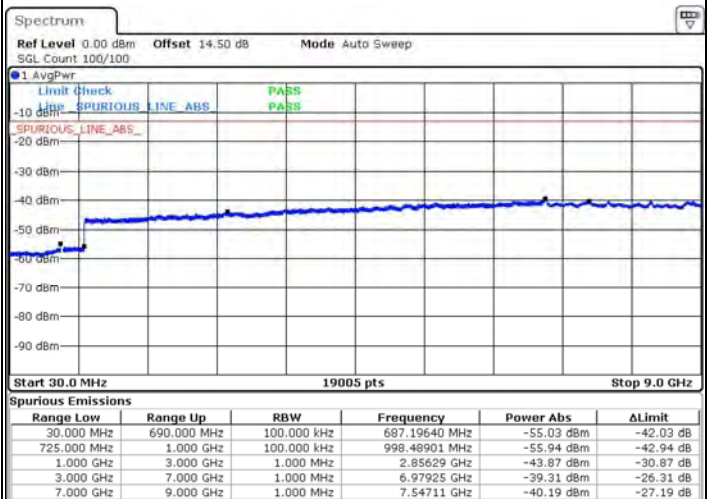
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 4.FEB.2015 17:17:35

Lowest Channel / 16QAM

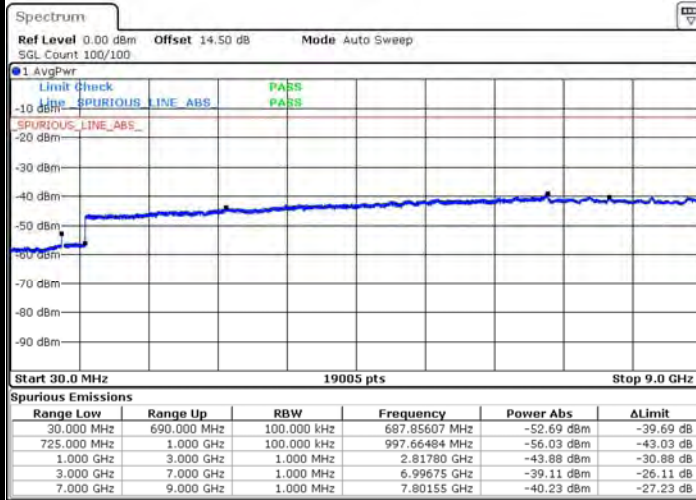


Date: 4.FEB.2015 17:18:56



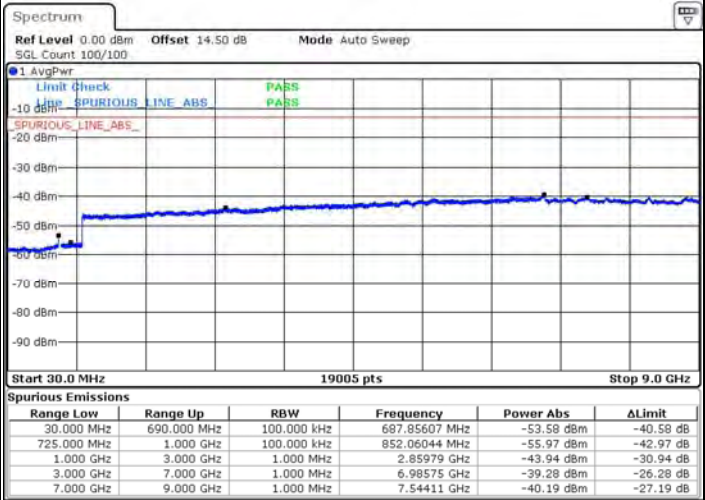
LTE Band 17 / 10MHz

Middle Channel / QPSK



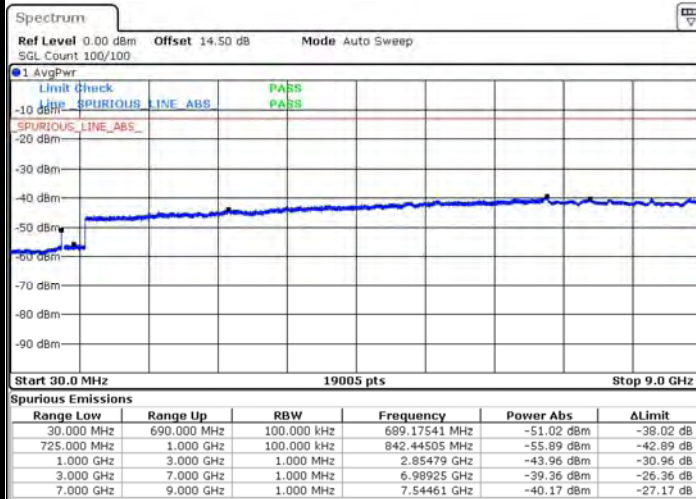
Date: 4.FEB.2015 17:21:01

Middle Channel / 16QAM



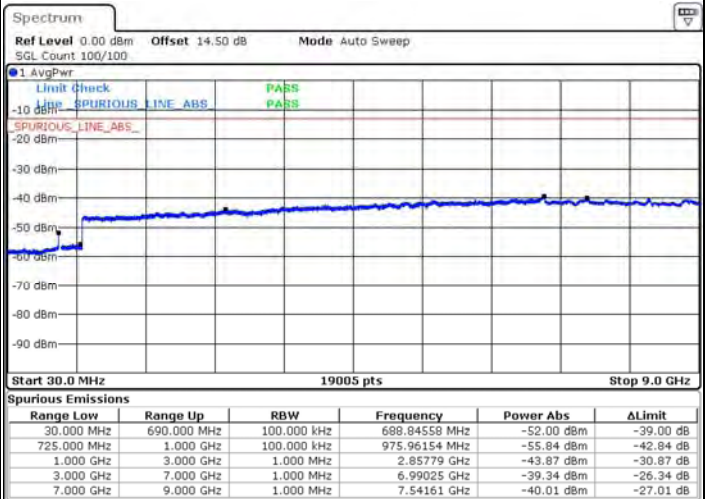
Date: 4.FEB.2015 17:22:23

Highest Channel / QPSK



Date: 4.FEB.2015 17:24:28

Highest Channel / 16QAM



Date: 4.FEB.2015 17:25:49

**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	0.0006	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.7V ; 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.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0124	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.7V ; 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.



Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.7V ; 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

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	2	22.06	0.1607	19.61	0.0914
Middle		1	5	22.00	0.1585	19.78	0.0951
Highest		1	2	21.83	0.1524	20.49	0.1119
Lowest	16QAM	1	0	20.76	0.1191	18.23	0.0665
Middle		1	5	20.58	0.1143	18.67	0.0736
Highest		1	2	20.58	0.1143	19.23	0.0838
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	22.23	0.1671	19.57	0.0906
Middle		1	14	21.92	0.1556	19.99	0.0998
Highest		1	0	21.83	0.1524	20.34	0.1081
Lowest	16QAM	1	0	21.18	0.1312	18.43	0.0697
Middle		1	14	20.64	0.1159	18.60	0.0724
Highest		1	0	20.63	0.1156	19.19	0.0830
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	24	22.06	0.1607	19.93	0.0984
Middle		1	24	21.72	0.1486	19.74	0.0942
Highest		1	0	21.79	0.1510	20.12	0.1028
Lowest	16QAM	1	24	21.24	0.1330	19.00	0.0794
Middle		1	24	20.84	0.1213	18.90	0.0776
Highest		1	0	20.80	0.1202	19.21	0.0834
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	21.98	0.1578	19.35	0.0861
Middle		1	49	21.75	0.1496	19.63	0.0918
Highest		1	0	21.62	0.1452	19.94	0.0986
Lowest	16QAM	1	0	21.09	0.1285	18.47	0.0703
Middle		1	49	20.77	0.1194	18.57	0.0719
Highest		1	0	20.64	0.1159	18.82	0.0762
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	22.11	0.1626	19.75	0.0944
Middle		1	74	21.95	0.1567	20.12	0.1028
Highest		1	0	21.79	0.1510	20.07	0.1016
Lowest	16QAM	1	0	20.88	0.1225	18.54	0.0714
Middle		1	74	20.63	0.1156	18.69	0.0740
Highest		1	0	20.55	0.1135	18.89	0.0774
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	99	20.47	0.1114	18.43	0.0697
Middle		1	99	20.50	0.1122	18.78	0.0755
Highest		1	99	20.42	0.1102	18.90	0.0776
Lowest	16QAM	1	0	20.72	0.1180	18.20	0.0661
Middle		1	99	20.45	0.1109	18.71	0.0743
Highest		1	0	20.45	0.1109	18.42	0.0695
Limit	EIRP < 1W			Result		PASS	

LTE Band 7 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	28.36	0.6855	28.00	0.6310
Middle		1	24	27.98	0.6281	27.96	0.6252
Highest		1	24	27.46	0.5572	27.18	0.5224
Lowest	16QAM	1	12	27.29	0.5358	26.74	0.4721
Middle		1	24	27.42	0.5521	27.32	0.5395
Highest		1	0	26.47	0.4436	26.04	0.4018
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	28.33	0.6808	28.07	0.6412
Middle		1	0	28.31	0.6776	28.29	0.6745
Highest		1	49	27.57	0.5715	27.05	0.5070
Lowest	16QAM	1	0	27.23	0.5284	26.62	0.4592
Middle		1	0	27.22	0.5272	27.11	0.5140
Highest		1	0	26.75	0.4732	26.34	0.4305
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	28.45	0.6998	28.13	0.6501
Middle		1	74	28.39	0.6902	28.22	0.6637
Highest		1	0	28.18	0.6577	27.63	0.5794
Lowest	16QAM	1	0	26.89	0.4887	26.46	0.4426
Middle		1	0	27.17	0.5212	26.95	0.4955
Highest		1	0	27.21	0.5260	26.63	0.4603
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	28.28	0.6730	27.85	0.6095
Middle		1	99	28.51	0.7096	28.20	0.6607
Highest		1	99	27.32	0.5395	26.76	0.4742
Lowest	16QAM	1	0	27.61	0.5768	27.20	0.5248
Middle		1	0	27.46	0.5572	27.17	0.5212
Highest		1	0	27.28	0.5346	26.85	0.4842
Limit	EIRP < 2W			Result		PASS	

LTE Band 17 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	15.87	0.0386	1.71	0.0015
Middle		1	0	15.97	0.0395	2.92	0.0020
Highest		1	24	15.87	0.0386	2.66	0.0018
Lowest	16QAM	1	24	14.47	0.0280	1.25	0.0013
Middle		1	0	14.89	0.0308	1.37	0.0014
Highest		1	24	15.33	0.0341	1.92	0.0016
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	15.97	0.0395	2.74	0.0019
Middle		1	49	16.23	0.0420	2.86	0.0019
Highest		1	49	16.27	0.0424	2.94	0.0020
Lowest	16QAM	1	49	14.29	0.0269	0.74	0.0012
Middle		1	49	14.42	0.0277	0.78	0.0012
Highest		1	49	14.55	0.0285	0.96	0.0012
Limit	ERP < 3W			Result		PASS	

Radiated Spurious Emission

Band :	LTE Band 4				Temperature :	23~25℃			
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Gavin Zhang				Polarization :	Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over Limit	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	loss	Gain	(H/V)	
						(dB)	(dBi)		
3463.74	-45.40	-13	-32.40	-72.03	-57.19	0.81	12.60	H	Pass
5195.61	-41.97	-13	-28.97	-71.49	-53.72	0.95	12.70	H	Pass
6927.48	-45.19	-13	-32.19	-75.59	-55.76	1.13	11.70	H	Pass

Band :	LTE Band 4					Temperature :	23~25°C		
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Gavin Zhang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3463.74	-49.41	-13	-36.41	-71.69	-61.20	0.81	12.6	V	Pass
5195.61	-48.72	-13	-35.72	-73.25	-60.47	0.95	12.7	V	Pass
6927.48	-43.58	-13	-30.58	-75.39	-54.15	1.13	11.7	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Gavin Zhang	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
3462.3	-45.33	-13	-32.33	-71.96	-57.12	0.81	12.60	H	Pass
5193.45	-43.68	-13	-30.68	-73.20	-55.43	0.95	12.70	H	Pass
6924.6	-43.85	-13	-30.85	-74.25	-54.42	1.13	11.70	H	Pass

Band :	LTE Band 4	Temperature :	23~25°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Gavin Zhang	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3462.3	-49.63	-13	-36.63	-71.91	-61.42	0.81	12.6	V	Pass
5193.45	-48.57	-13	-35.57	-73.1	-60.32	0.95	12.7	V	Pass
6924.6	-43.21	-13	-30.21	-75.02	-53.78	1.13	11.7	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Gavin Zhang	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
3460.68	-44.32	-13	-31.32	-70.95	-56.11	0.81	12.60	H	Pass
5191.02	-43.52	-13	-30.52	-73.04	-55.27	0.95	12.70	H	Pass
6921.36	-44.86	-13	-31.86	-75.26	-55.43	1.13	11.70	H	Pass

Band :	LTE Band 4				Temperature :	23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Gavin Zhang				Polarization :	Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3460.68	-49.62	-13	-36.62	-71.9	-61.41	0.81	12.6	V	Pass
5191.02	-48.39	-13	-35.39	-72.92	-60.14	0.95	12.7	V	Pass
6921.36	-43.19	-13	-30.19	-75	-53.76	1.13	11.7	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Gavin Zhang	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
3456.18	-45.45	-13	-32.45	-72.08	-57.24	0.81	12.60	H	Pass
5184.27	-44.39	-13	-31.39	-73.91	-56.14	0.95	12.70	H	Pass
6912.36	-44.84	-13	-31.84	-75.24	-55.41	1.13	11.70	H	Pass

Band :	LTE Band 4					Temperature :	23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Gavin Zhang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3456.18	-49.55	-13	-36.55	-71.83	-61.34	0.81	12.6	V	Pass
5184.27	-48.59	-13	-35.59	-73.12	-60.34	0.95	12.7	V	Pass
6912.36	-43.72	-13	-30.72	-75.53	-54.29	1.13	11.7	V	Pass



Band :	LTE Band 4				Temperature :	23~25℃			
Test Mode :	15MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Gavin Zhang				Polarization :	Horizontal			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3451.68	-45.17	-13	-32.17	-71.80	-56.96	0.81	12.60	H	Pass
5177.52	-43.21	-13	-30.21	-72.73	-54.96	0.95	12.70	H	Pass
6903.36	-44.57	-13	-31.57	-74.97	-55.14	1.13	11.70	H	Pass

Band :	LTE Band 4					Temperature :	23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Gavin Zhang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3451.68	-49.05	-13	-36.05	-71.33	-60.84	0.81	12.6	V	Pass
5177.52	-48.95	-13	-35.95	-73.48	-60.70	0.95	12.7	V	Pass
6903.36	-43.36	-13	-30.36	-75.17	-53.93	1.13	11.7	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Gavin Zhang	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3447.18	-44.52	-13	-31.52	-71.15	-56.31	0.81	12.60	H	Pass
5170.77	-43.79	-13	-30.79	-73.31	-55.54	0.95	12.70	H	Pass
6894.36	-44.43	-13	-31.43	-74.83	-55.00	1.13	11.70	H	Pass

Band :	LTE Band 4				Temperature :	23~25°C			
Test Mode :	20MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Gavin Zhang				Polarization :	Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
3447.18	-49.28	-13	-36.28	-71.56	-61.07	0.81	12.6	V	Pass
5170.77	-48.10	-13	-35.10	-72.63	-59.85	0.95	12.7	V	Pass
6894.36	-43.11	-13	-30.11	-74.92	-53.68	1.13	11.7	V	Pass



Band :	LTE Band 7	Temperature :	23~25℃						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Kaer Huang	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
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)	Result
5065.68	-41.36	-25	-16.36	-73.34	-53.11	0.95	12.70	H	Pass
7598.52	-39.22	-25	-14.22	-76.11	-49.46	1.46	11.70	H	Pass
10131.36	-38.41	-25	-13.41	-76.88	-49.20	1.31	12.10	H	Pass

Band :	LTE Band 7				Temperature :	23~25°C			
Test Mode :	5MHz QPSK RB Size 1 Offset 0				Relative Humidity :	48~52%			
Test Engineer :	Kaer Huang				Polarization :	Vertical			
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5065.68	-39.76	-25	-14.76	-72.95	-51.51	0.95	12.70	V	Pass
7598.52	-38.61	-25	-13.61	-75.49	-48.85	1.46	11.70	V	Pass
10131.36	-39.78	-25	-14.78	-76.68	-50.57	1.31	12.10	V	Pass



Band :	LTE Band 7					Temperature :	23~25℃		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5061.18	-38.57	-25	-13.57	-71.55	-50.32	0.95	12.70	H	Pass
7591.77	-38.40	-25	-13.40	-75.29	-48.64	1.46	11.70	H	Pass
10122.36	-38.70	-25	-13.70	-77.17	-49.49	1.31	12.10	H	Pass

Band :	LTE Band 7					Temperature :	23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5061.18	-40.72	-25	-15.72	-73.3	-52.47	0.95	12.70	V	Pass
7591.77	-38.94	-25	-13.94	-75.82	-49.18	1.46	11.70	V	Pass
10122.36	-39.97	-25	-14.97	-76.87	-50.76	1.31	12.10	V	Pass



Band :	LTE Band 7					Temperature :	23~25℃		
Test Mode :	15MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5056.68	-40.23	-25	-15.23	-72.46	-51.98	0.95	12.70	H	Pass
7585.02	-38.25	-25	-13.25	-75.14	-48.49	1.46	11.70	H	Pass
10131.36	-38.34	-25	-13.34	-76.81	-49.13	1.31	12.10	H	Pass

Band :	LTE Band 7					Temperature :	23~25°C		
Test Mode :	15MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5056.68	-40.09	-25	-15.09	-73.16	-51.84	0.95	12.70	V	Pass
7585.02	-38.10	-25	-13.10	-74.98	-48.34	1.46	11.70	V	Pass
10131.36	-39.31	-25	-14.31	-76.21	-50.10	1.31	12.10	V	Pass



Band :	LTE Band 7					Temperature :	23~25℃		
Test Mode :	20MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5052.18	-41.05	-25	-16.05	-73.03	-52.80	0.95	12.70	H	Pass
7578.27	-37.47	-25	-12.47	-74.36	-47.71	1.46	11.70	H	Pass
10104.36	-38.51	-25	-13.51	-76.98	-49.30	1.31	12.10	H	Pass

Band :	LTE Band 7					Temperature :	23~25°C		
Test Mode :	20MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
5052.18	-41.20	-25	-16.20	-72.43	-52.95	0.95	12.70	V	Pass
7578.27	-39.14	-25	-14.14	-76.02	-49.38	1.46	11.70	V	Pass
10104.36	-39.75	-25	-14.75	-76.65	-50.54	1.31	12.10	V	Pass



Band :	LTE Band 17					Temperature :	23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	ERP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
1418	-54.64	-13	-41.64	-68.85	-61.32	0.57	9.40	H	Pass
2125	-47.69	-13	-34.69	-69.14	-55.39	0.75	10.60	H	Pass
2833	-48.41	-13	-35.41	-72.78	-57.99	0.87	12.60	H	Pass

Band :	LTE Band 17					Temperature :	23~25°C		
Test Mode :	5MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	ERP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
1418	-54.39	-13	-41.39	-69.03	-61.07	0.57	9.40	V	Pass
2125	-49.06	-13	-36.06	-71.51	-56.76	0.75	10.60	V	Pass
2833	-43.58	-13	-30.58	-72.42	-53.16	0.87	12.60	V	Pass



Band :	LTE Band 17					Temperature :	23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Horizontal		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	ERP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
			Limit	Reading	Power	loss	Gain		
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
1408	-55.16	-13	-42.16	-69.37	-61.84	0.57	9.40	H	Pass
2113	-52.01	-13	-39.01	-71.67	-59.71	0.75	10.60	H	Pass
2816	-48.29	-13	-35.29	-72.66	-57.87	0.87	12.60	H	Pass

Band :	LTE Band 17					Temperature :	23~25°C		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Kaer Huang					Polarization :	Vertical		
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	ERP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit (dB)	Reading (dBm)	Power (dBm)	loss (dB)	Gain (dBi)	(H/V)	
1408	-54.74	-13	-41.74	-69.46	-61.42	0.57	9.40	V	Pass
2113	-50.39	-13	-37.39	-71.98	-58.09	0.75	10.60	V	Pass
2816	-43.00	-13	-30.00	-71.92	-52.58	0.87	12.60	V	Pass