



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



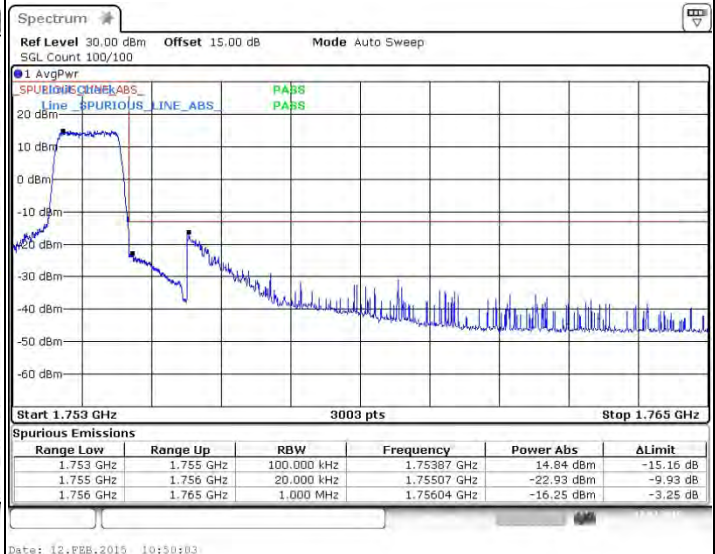
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



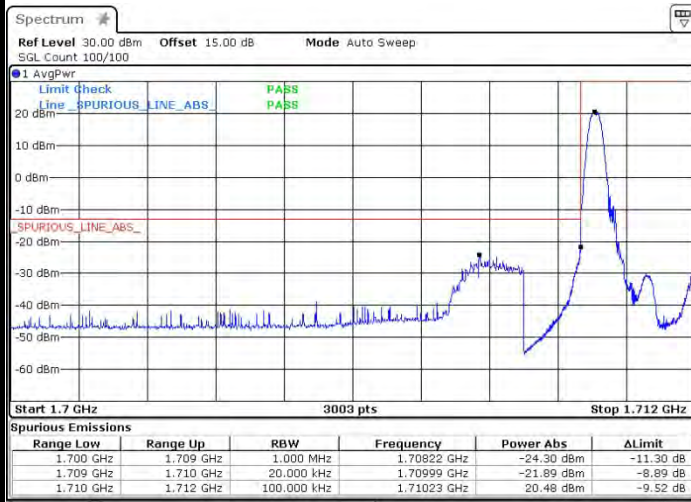
Highest Band Edge / Full RB



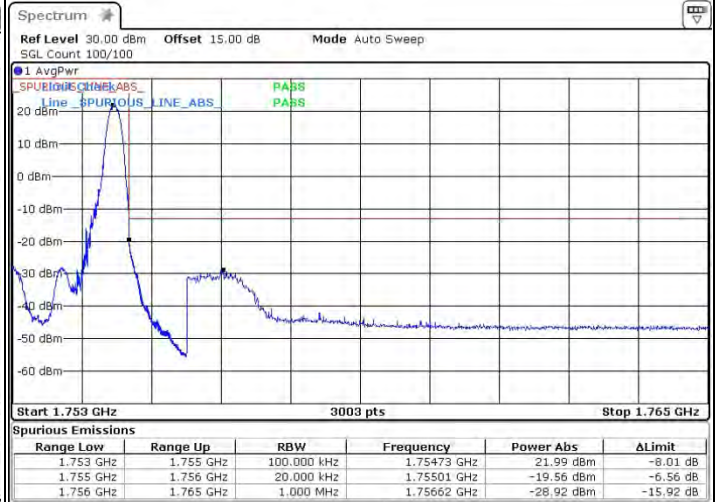


LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



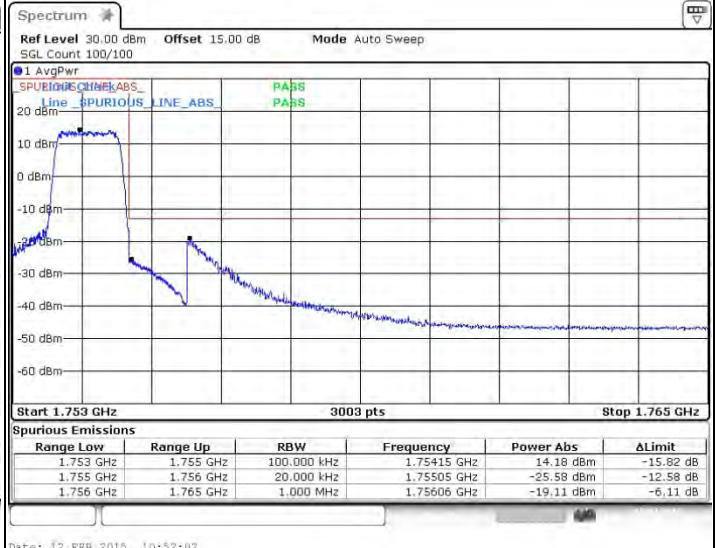
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



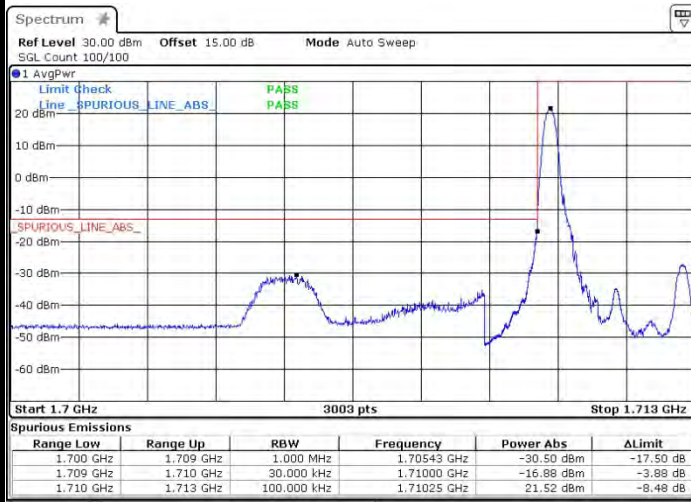
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



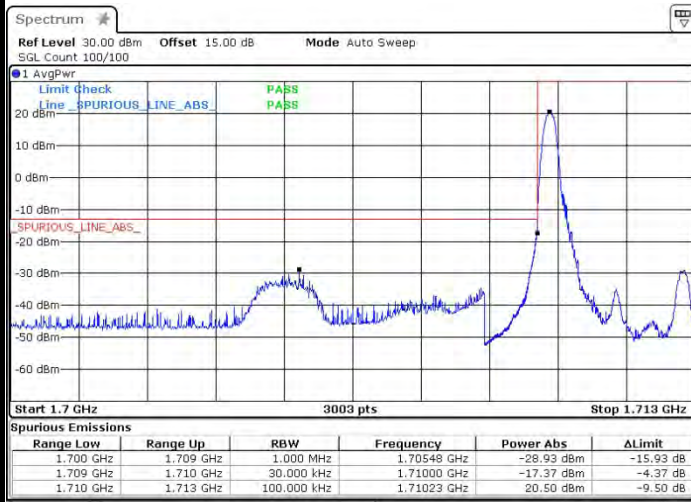
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



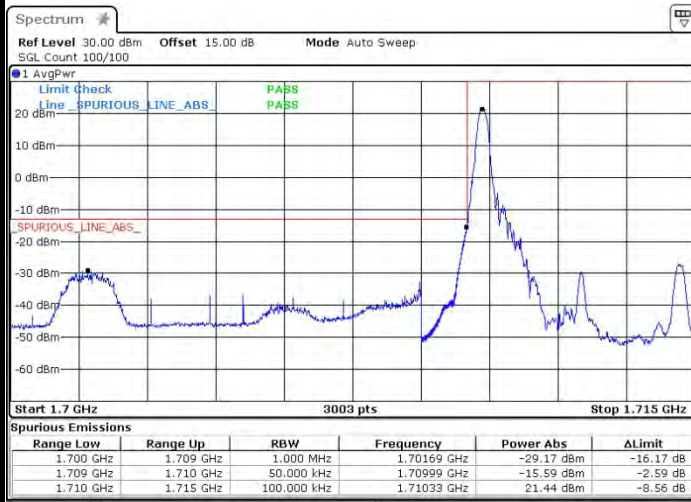
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / QPSK

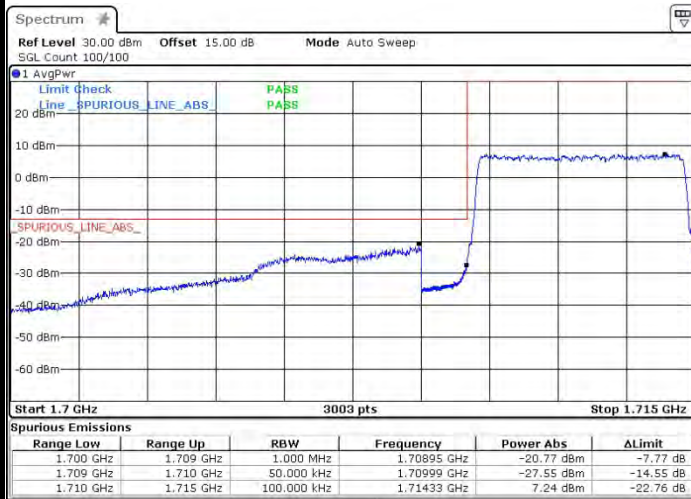
Lowest Band Edge / 1 RB



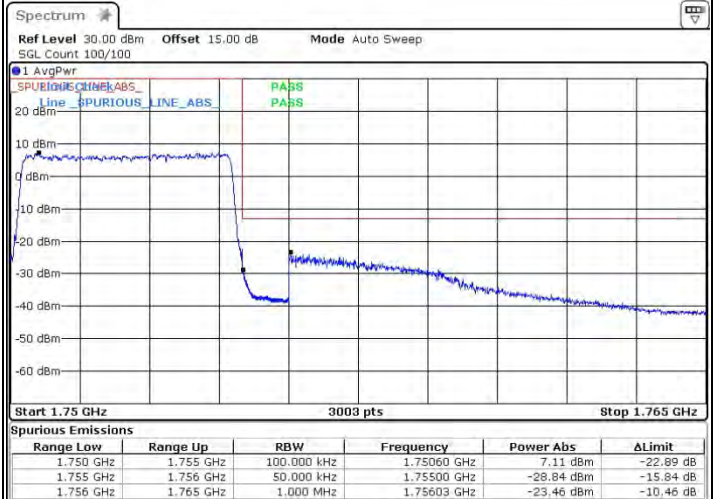
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



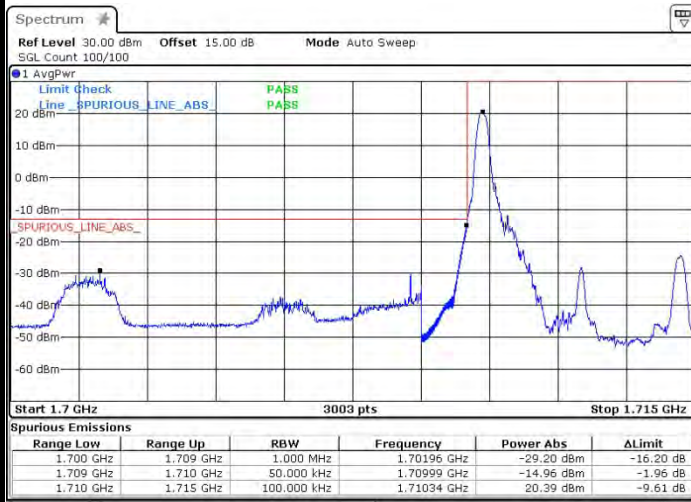
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



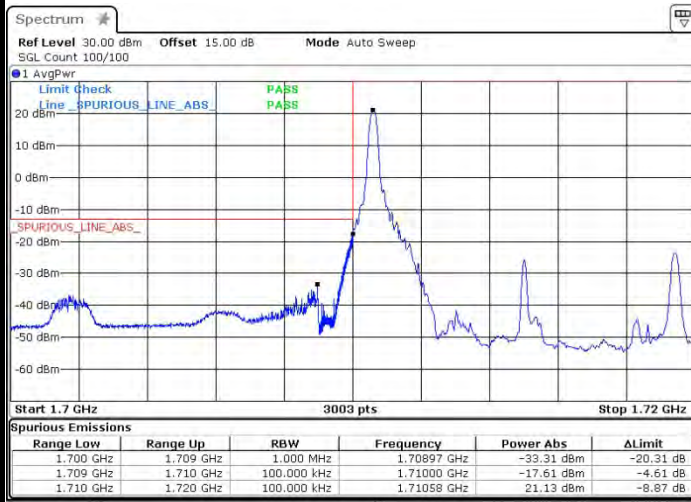
Highest Band Edge / Full RB



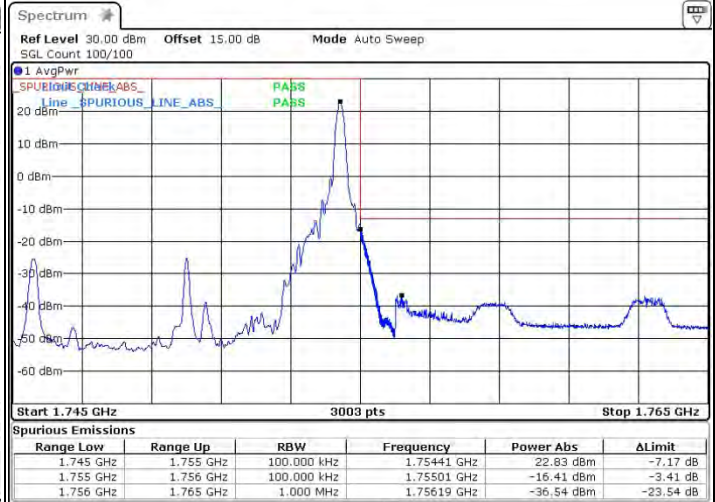


LTE Band 4 / 10MHz / QPSK

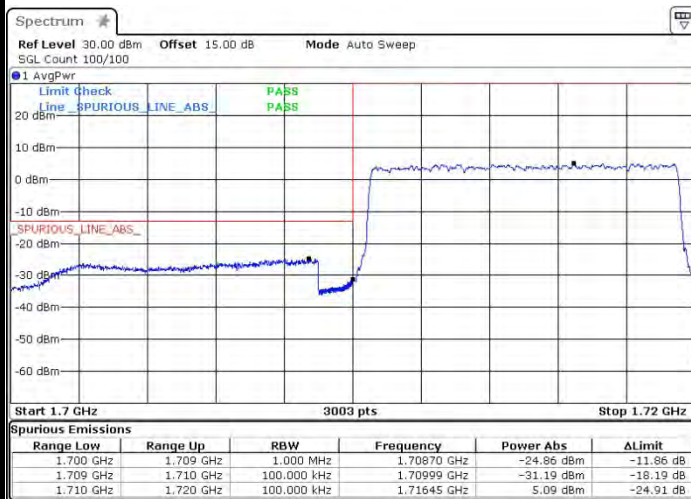
Lowest Band Edge / 1 RB



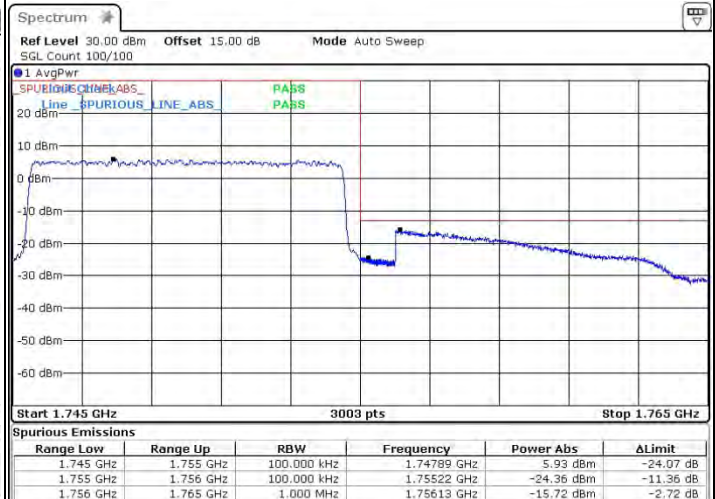
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



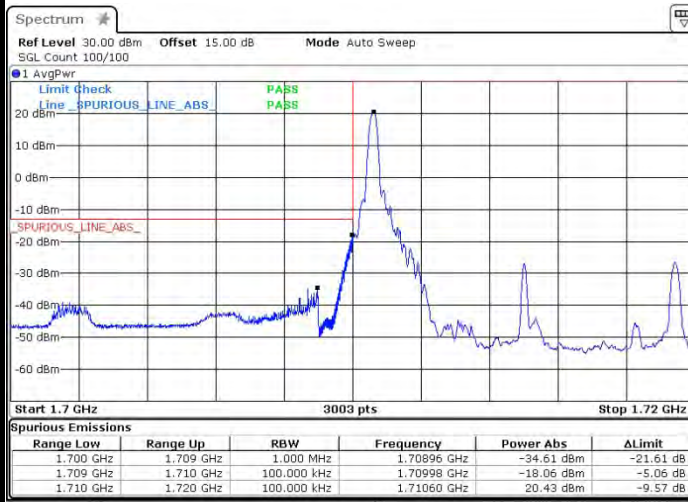
Highest Band Edge / Full RB



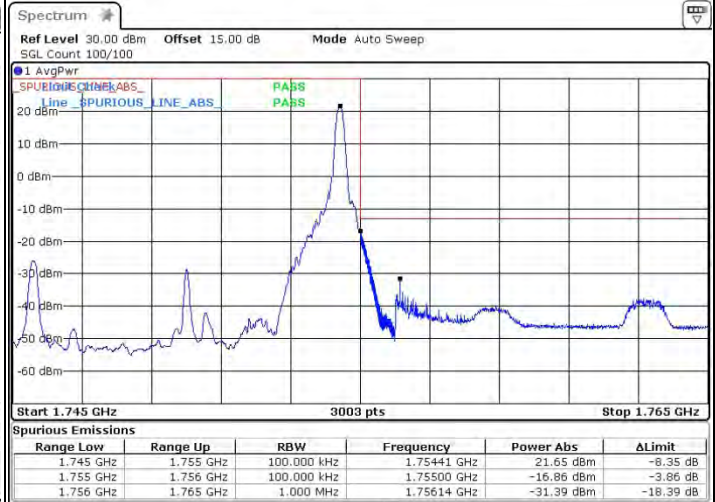


LTE Band 4 / 10MHz / 16QAM

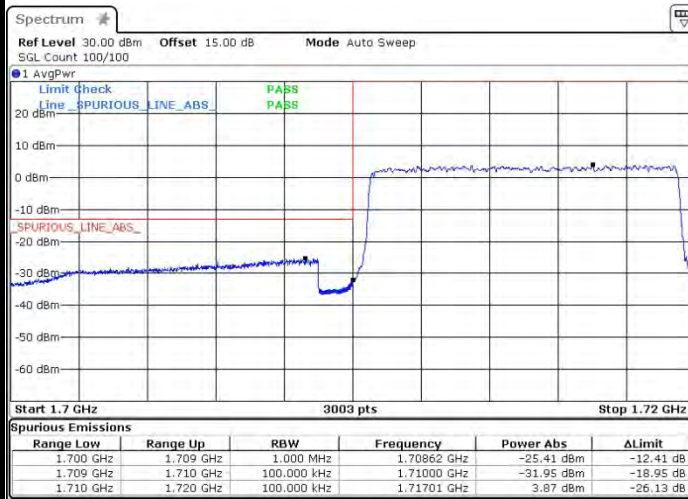
Lowest Band Edge / 1 RB



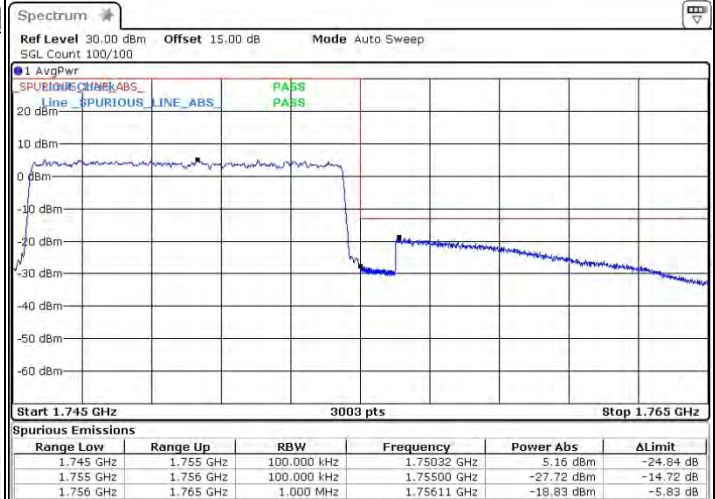
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



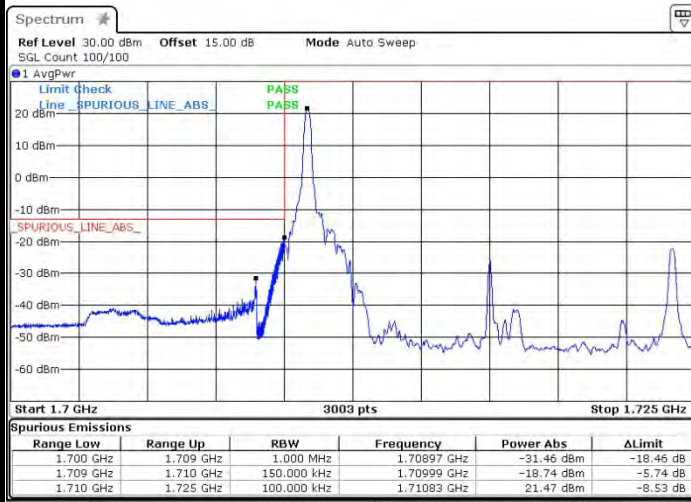
Highest Band Edge / Full RB



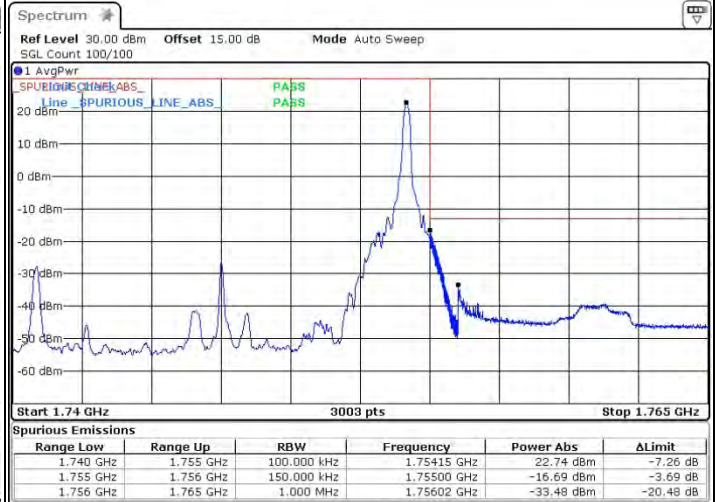


LTE Band 4 / 15MHz / QPSK

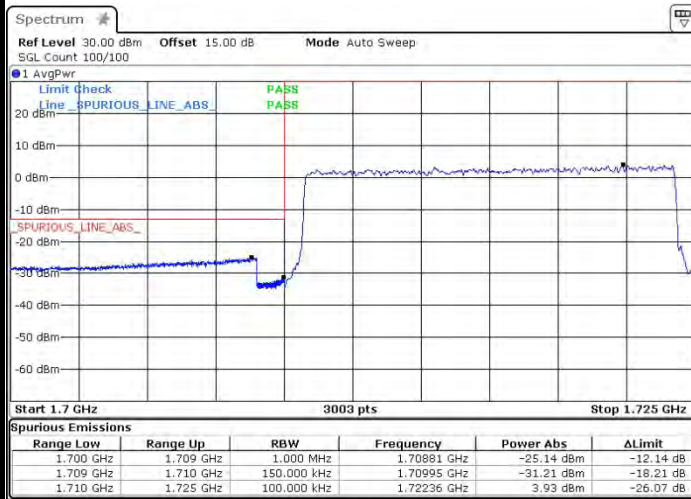
Lowest Band Edge / 1 RB



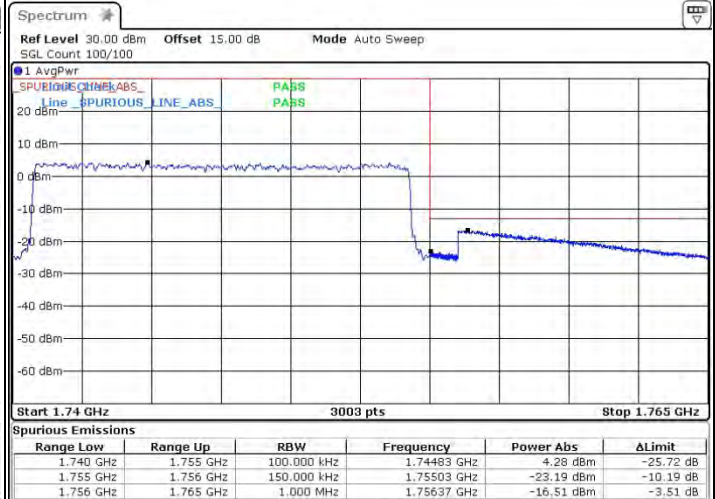
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



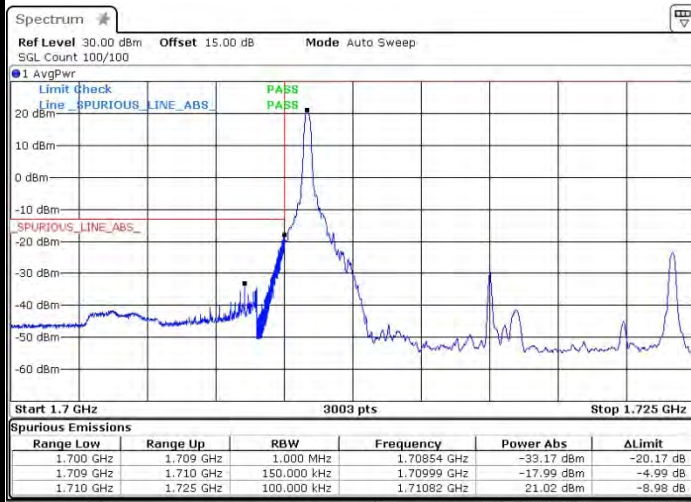
Highest Band Edge / Full RB



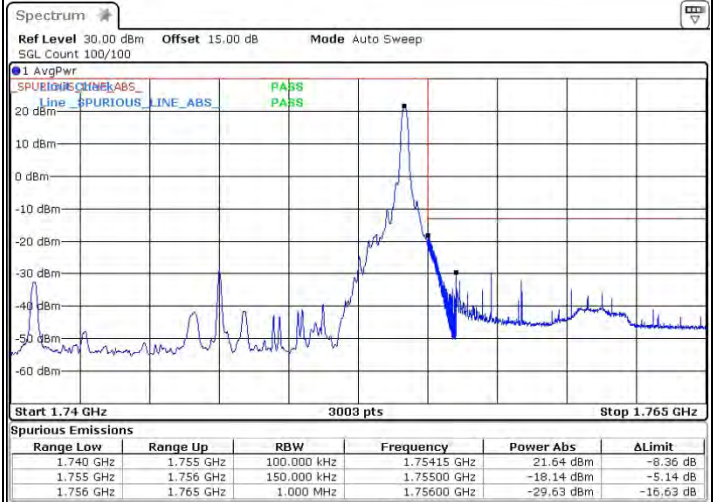


LTE Band 4 / 15MHz / 16QAM

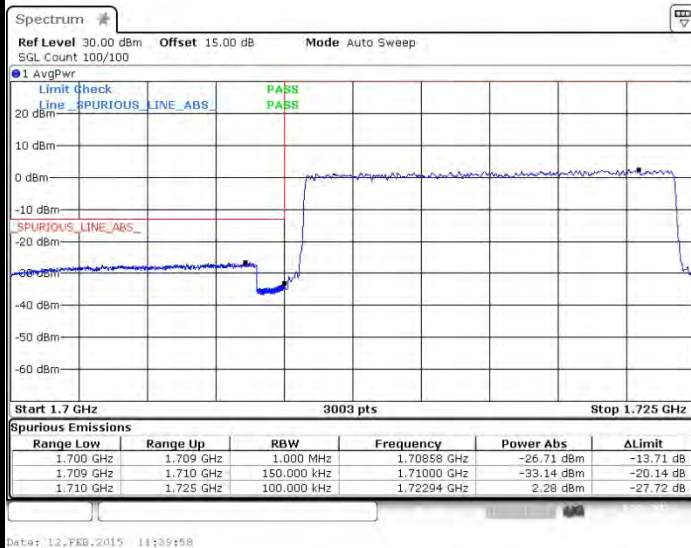
Lowest Band Edge / 1 RB



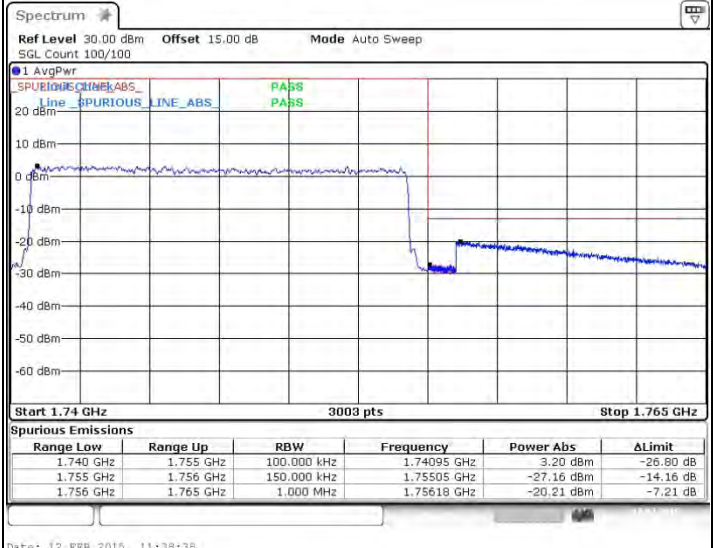
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



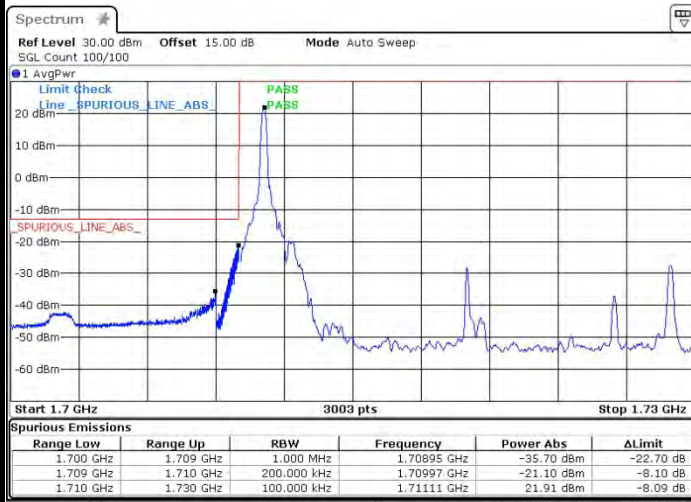
Highest Band Edge / Full RB



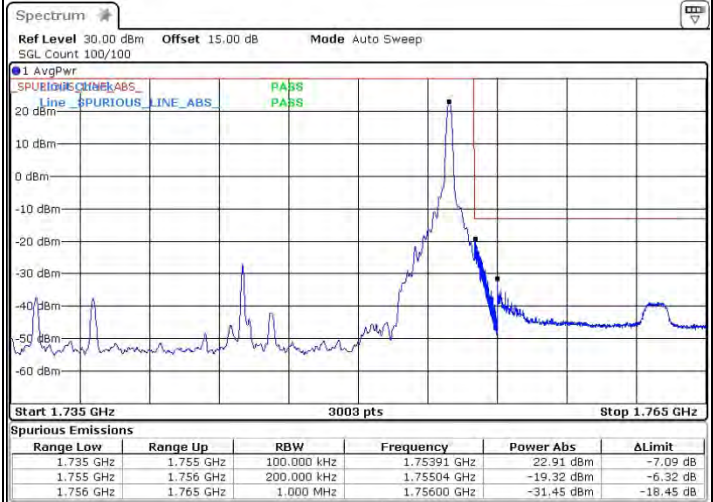


LTE Band 4 / 20MHz / QPSK

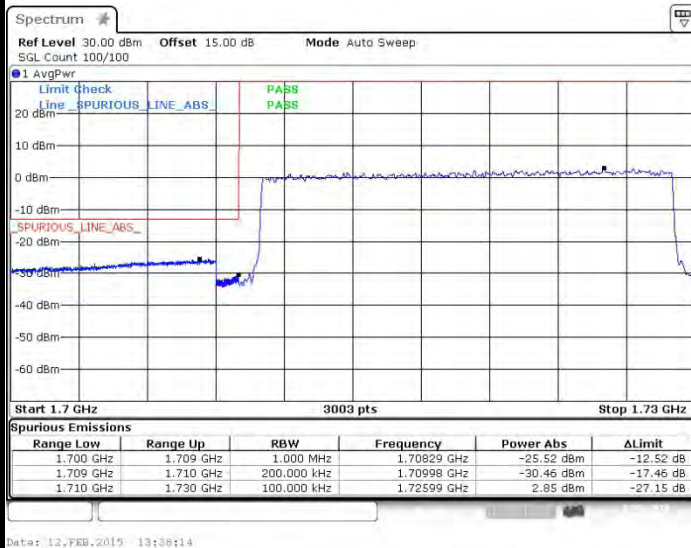
Lowest Band Edge / 1 RB



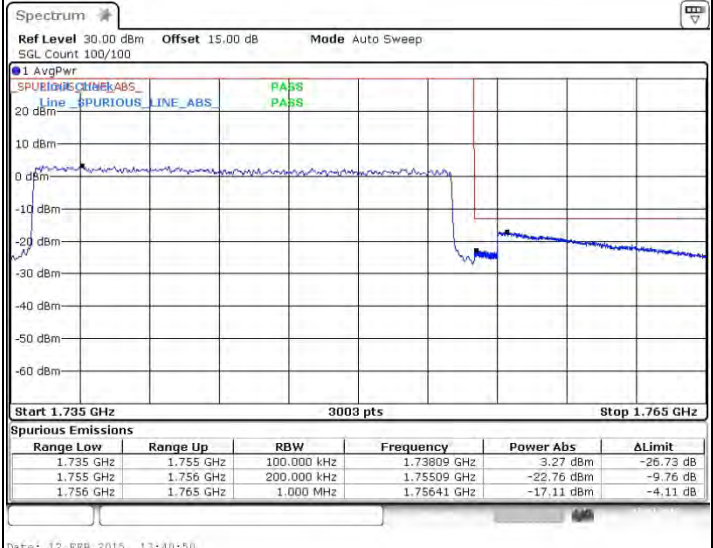
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



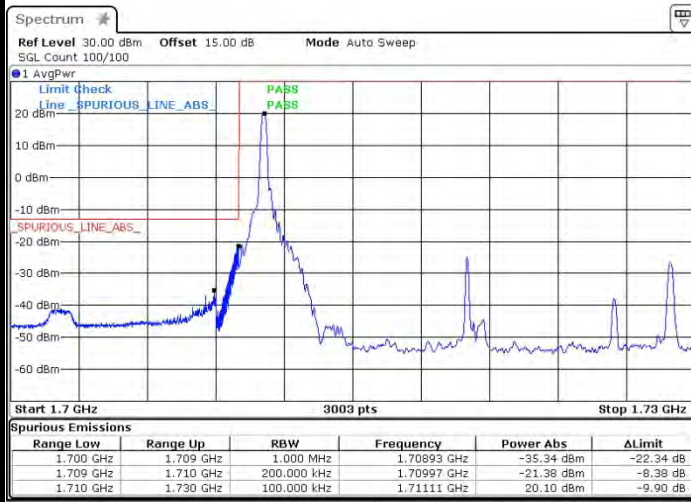
Highest Band Edge / Full RB



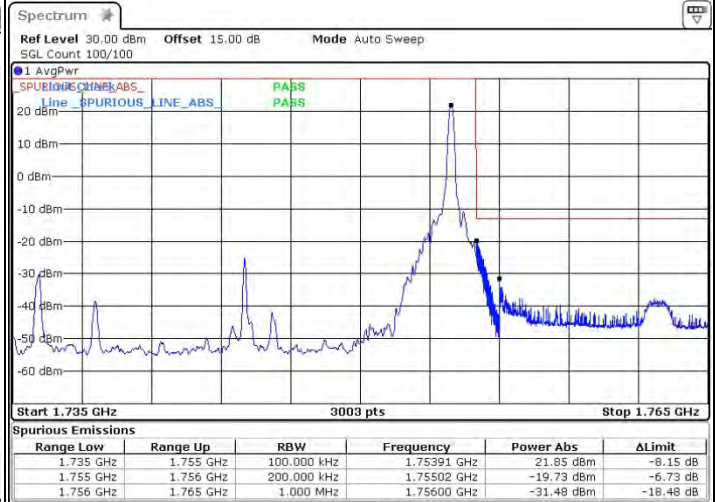


LTE Band 4 / 20MHz / 16QAM

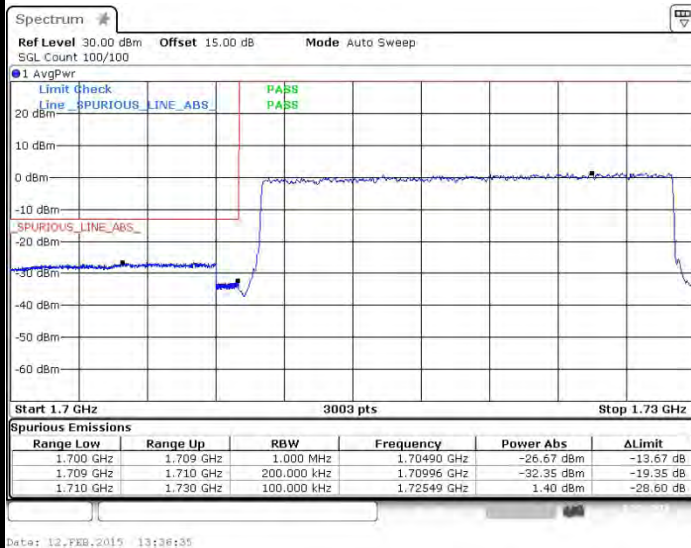
Lowest Band Edge / 1 RB



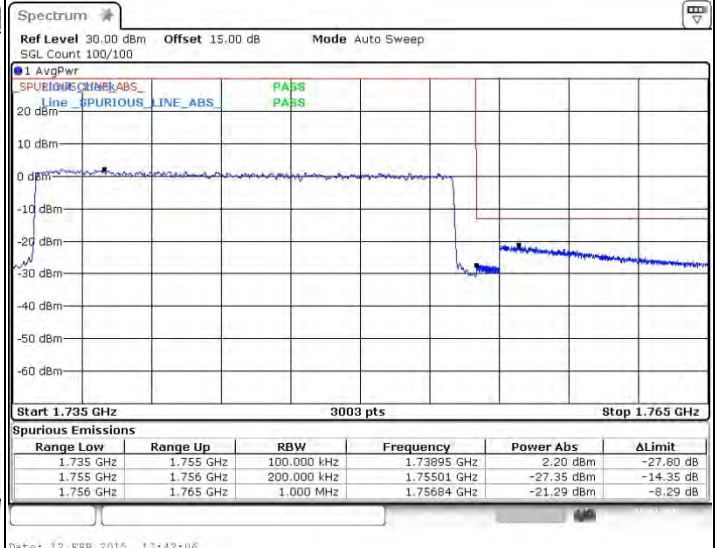
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



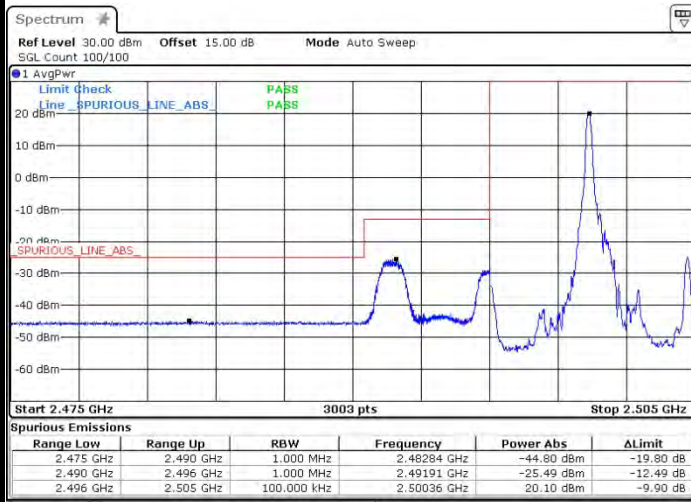
Highest Band Edge / Full RB





LTE Band 7 / 5MHz / QPSK

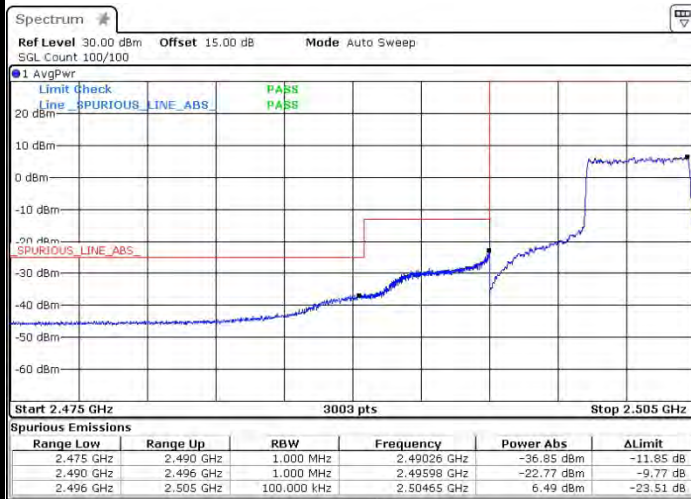
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



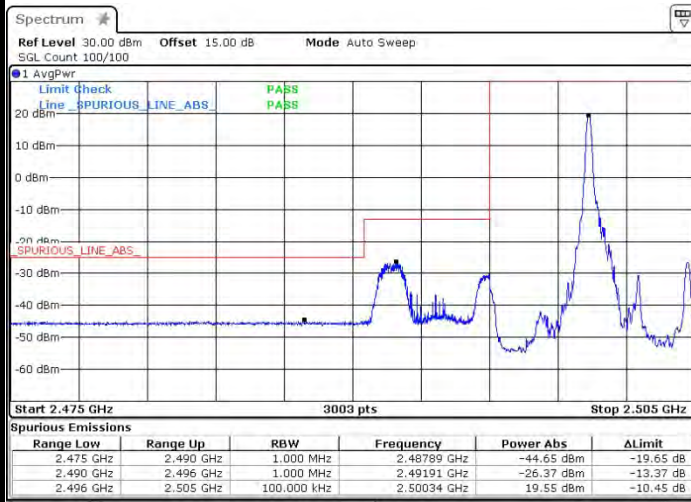
Highest Band Edge / Full RB





LTE Band 7 / 5MHz / 16QAM

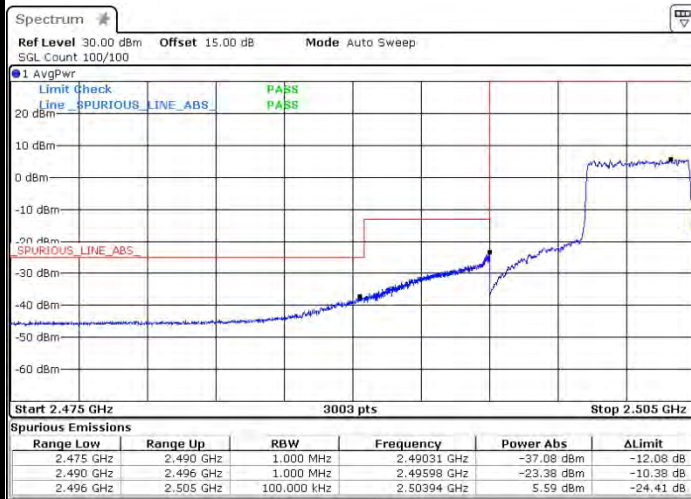
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



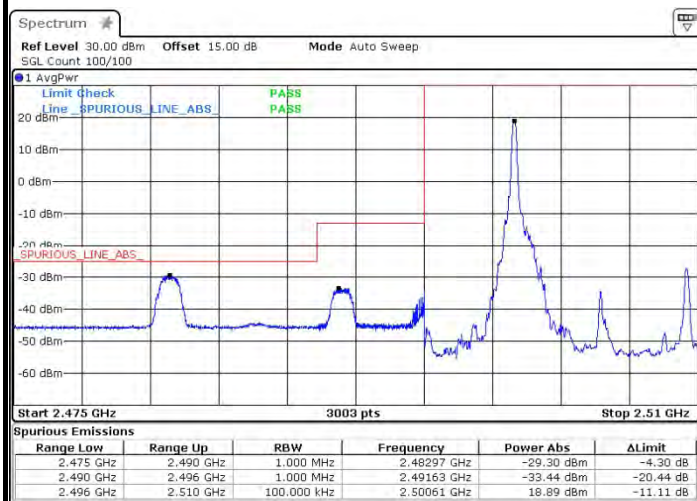
Highest Band Edge / Full RB



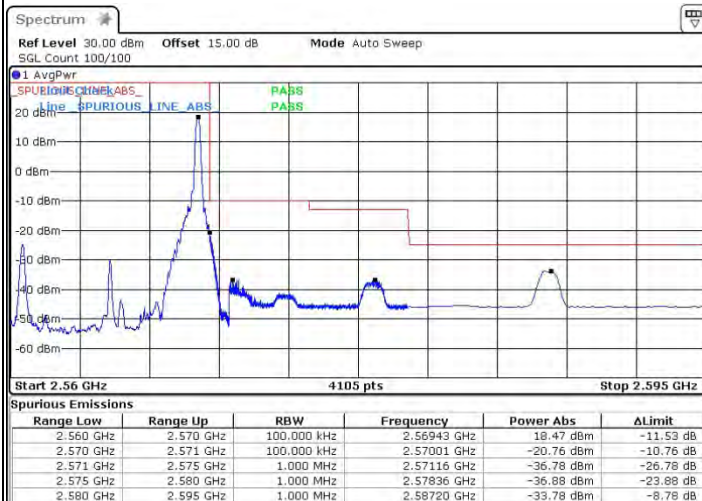


LTE Band 7 / 10MHz / QPSK

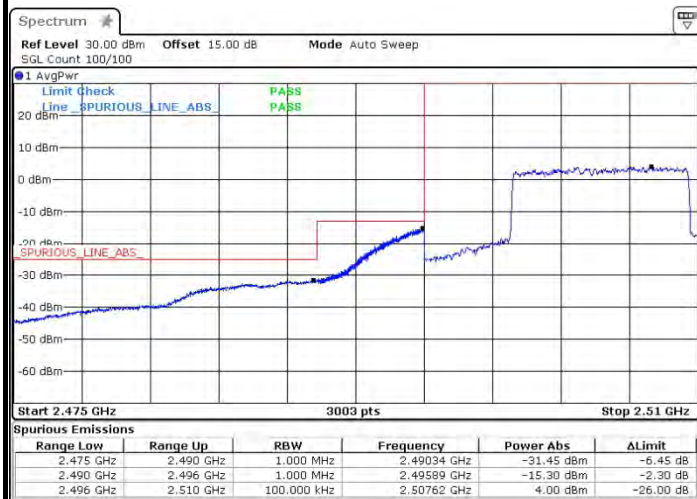
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



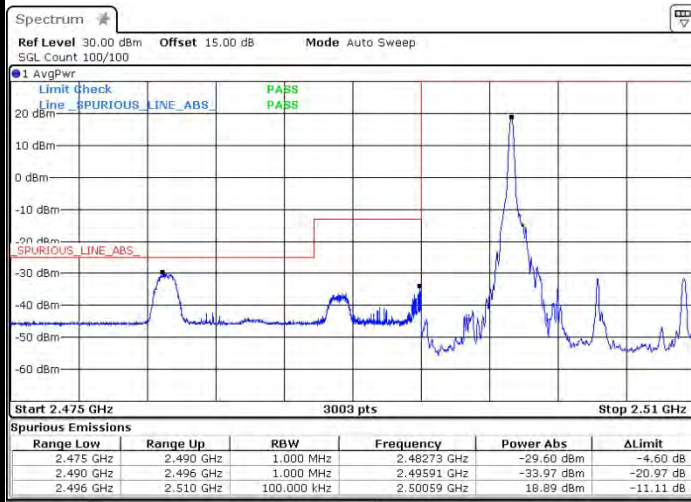
Highest Band Edge / Full RB



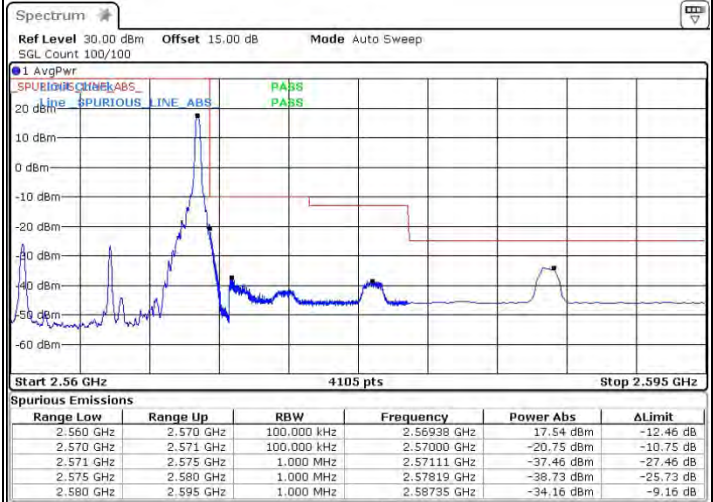


LTE Band 7 / 10MHz / 16QAM

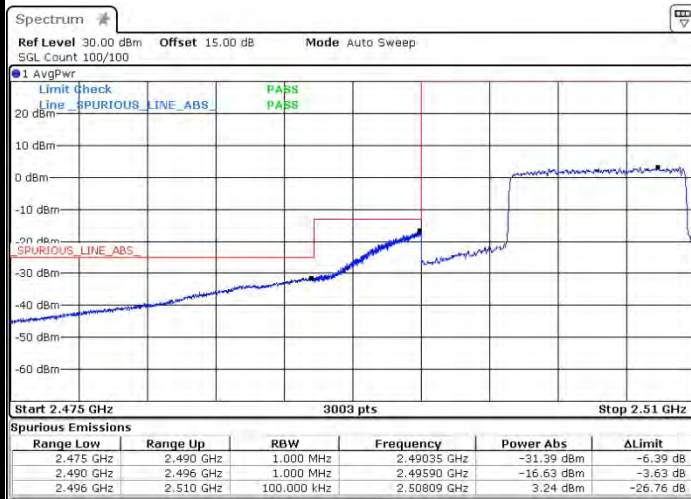
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



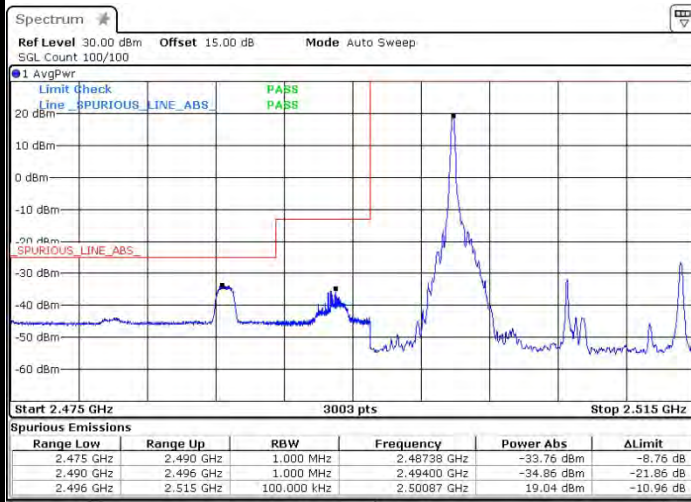
Highest Band Edge / Full RB





LTE Band 7 / 15MHz / QPSK

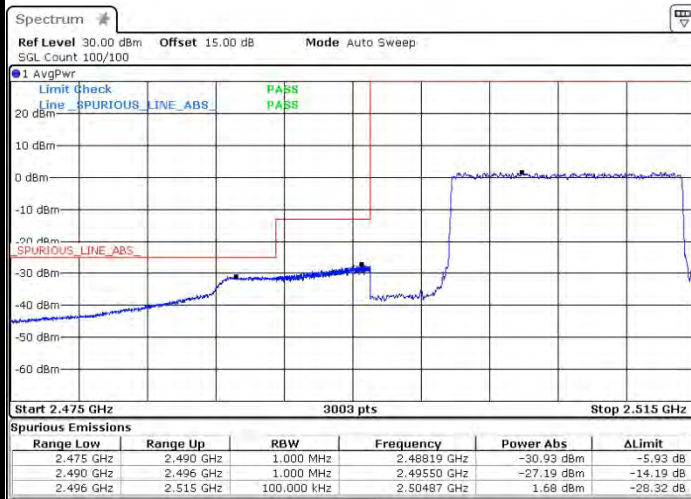
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



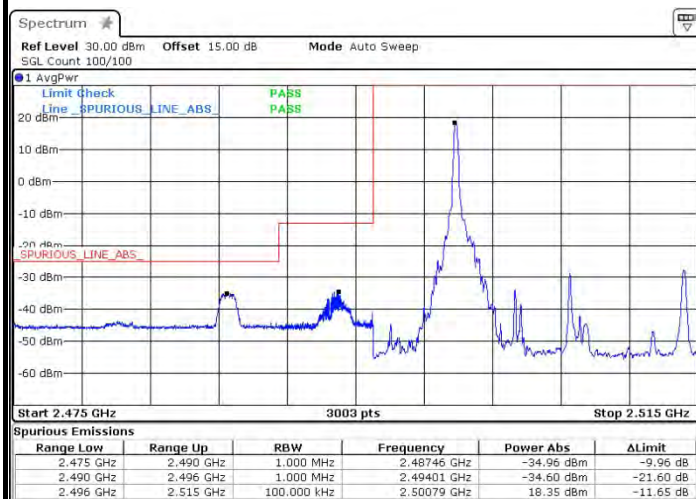
Highest Band Edge / Full RB



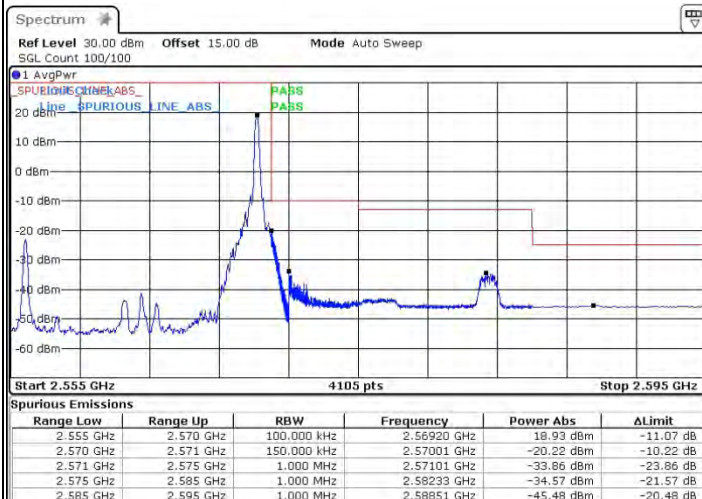


LTE Band 7 / 15MHz / 16QAM

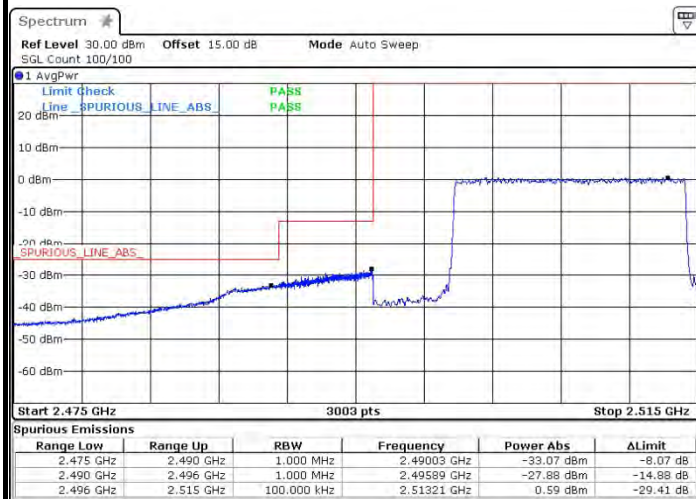
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



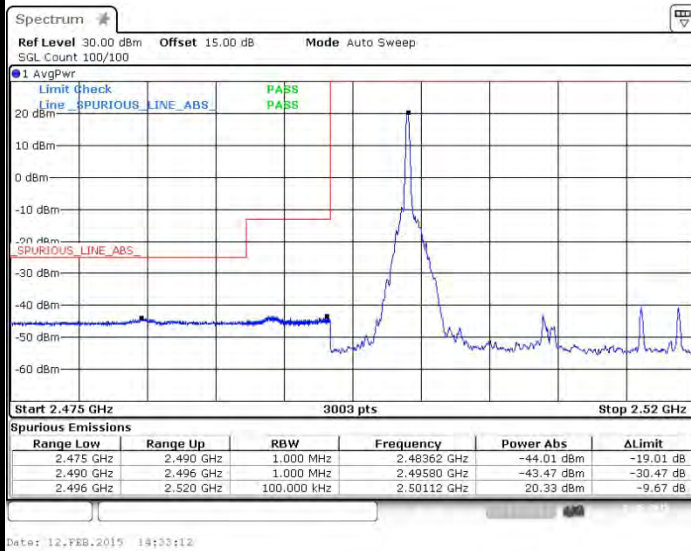
Highest Band Edge / Full RB



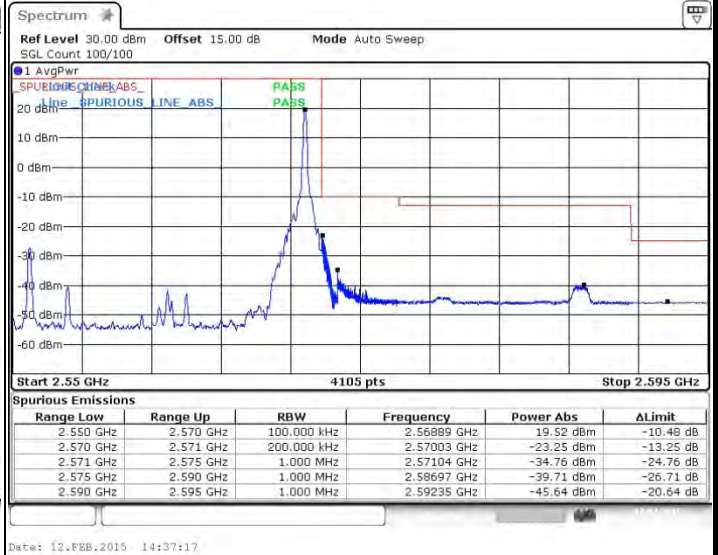


LTE Band 7 / 20MHz / QPSK

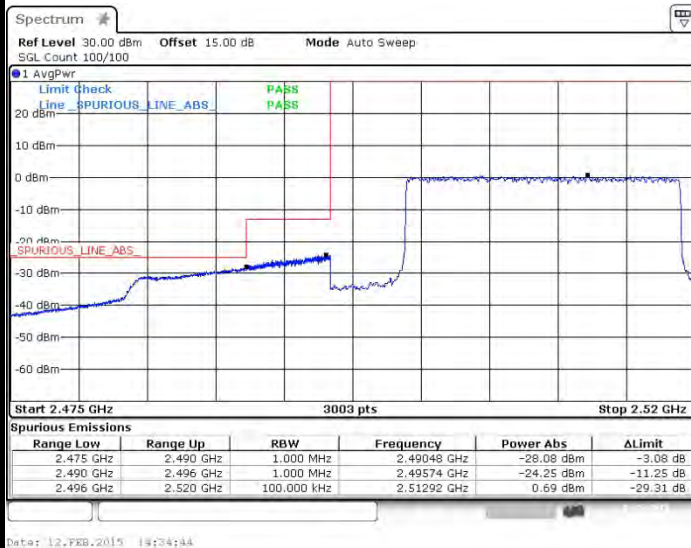
Lowest Band Edge / 1 RB



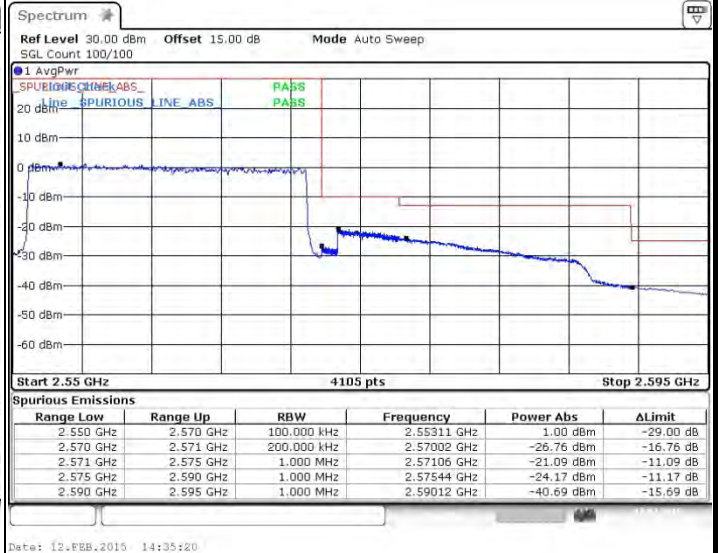
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



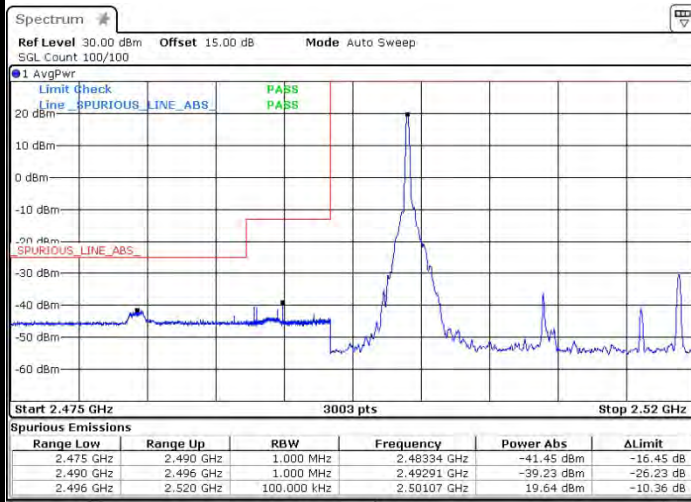
Highest Band Edge / Full RB



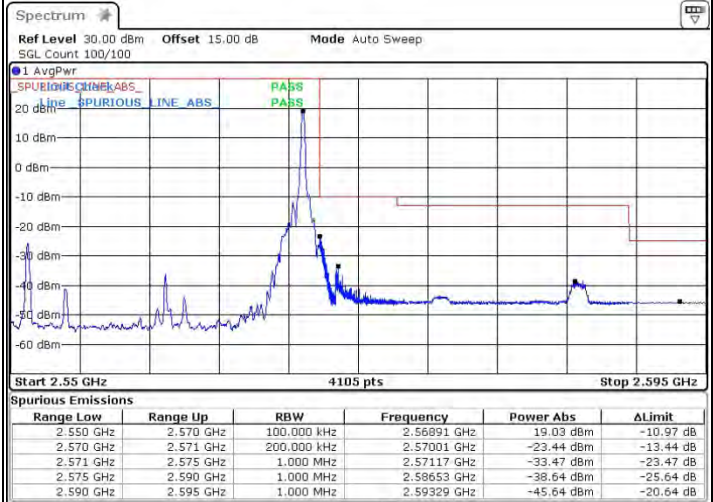


LTE Band 7 / 20MHz / 16QAM

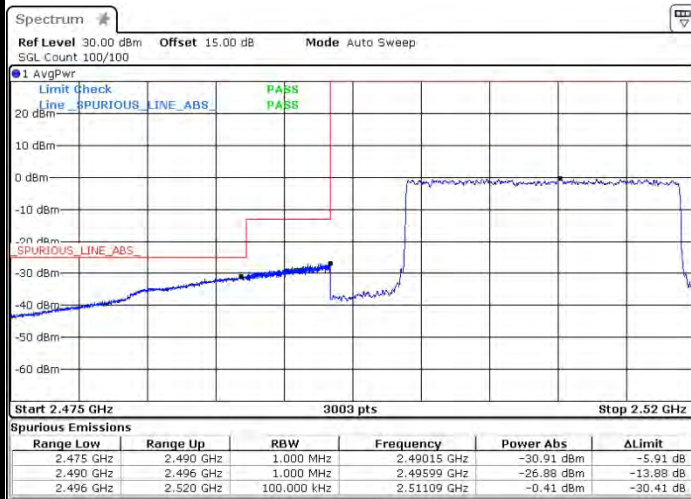
Lowest Band Edge / 1 RB



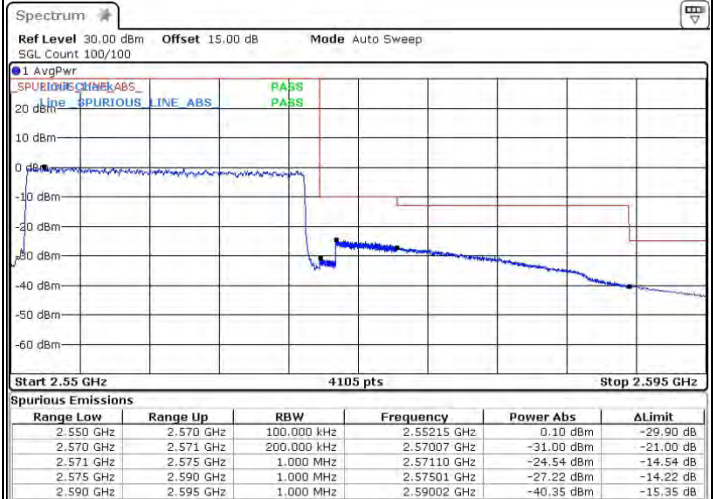
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

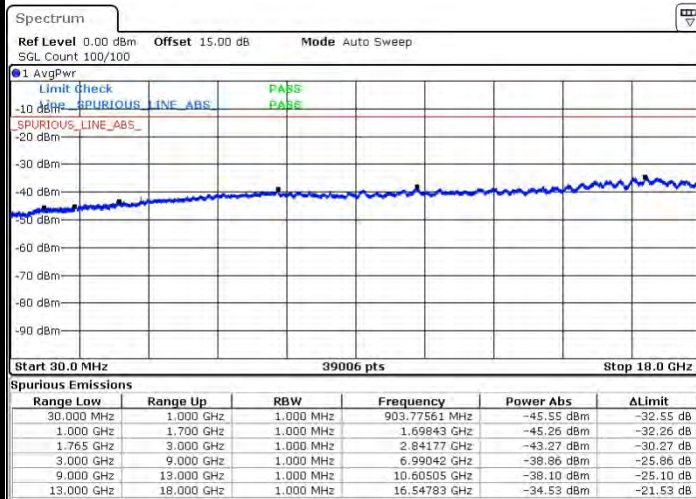




Conducted Spurious Emission

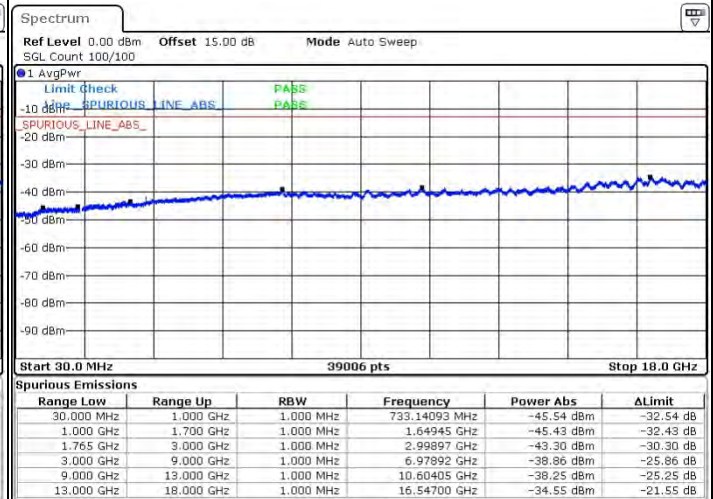
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



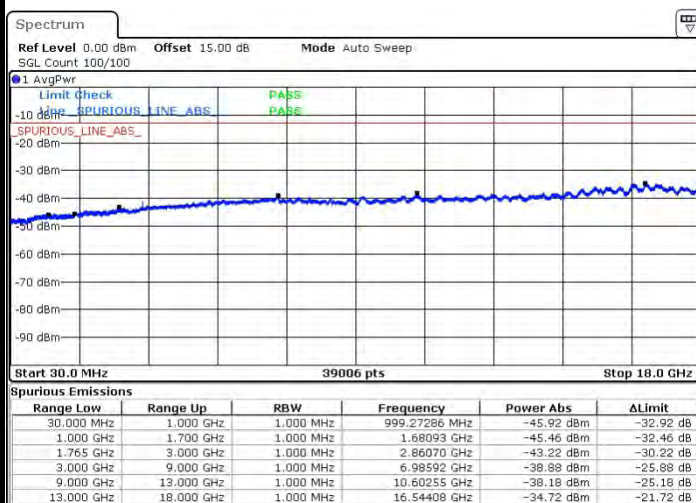
Date: 12.FEB.2015 10:52:56

Lowest Channel / 16QAM



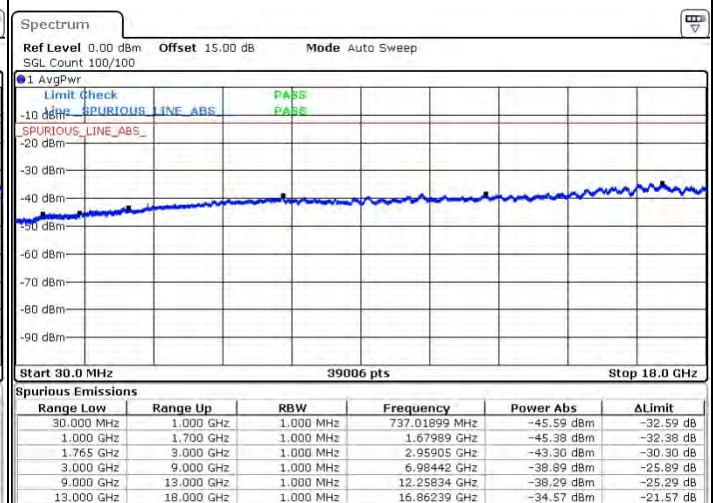
Date: 12.FEB.2015 10:59:53

Middle Channel / QPSK



Date: 12.FEB.2015 10:54:11

Middle Channel / 16QAM

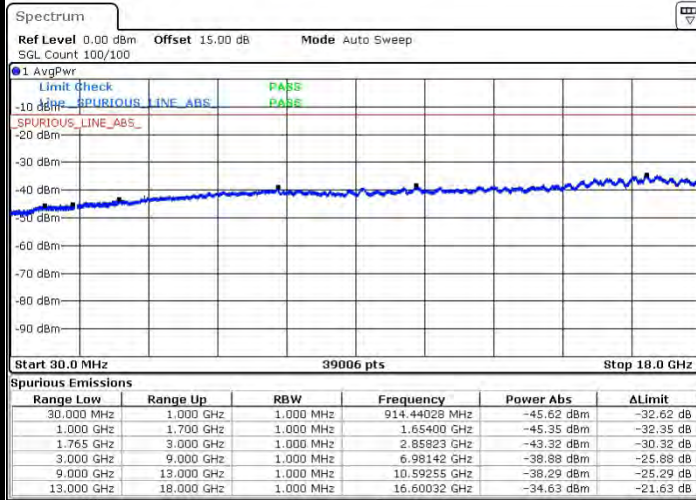


Date: 12.FEB.2015 10:58:18



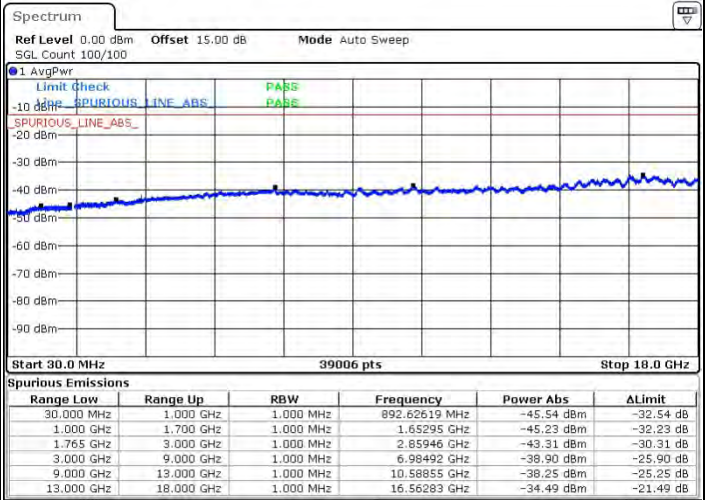
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 12.FEB.2015 10:55:02

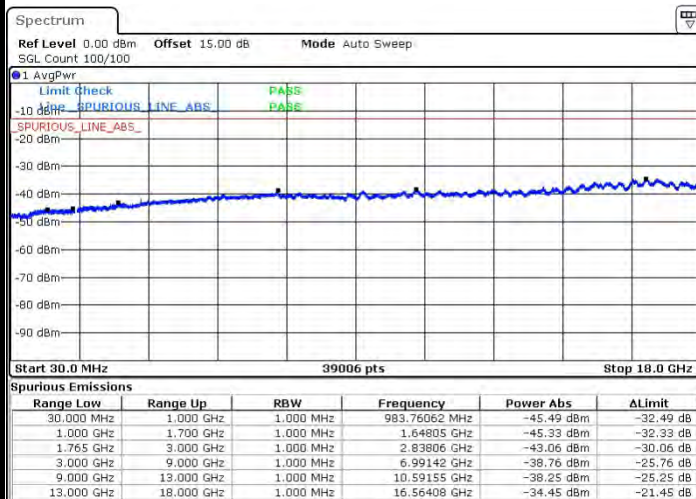
Highest Channel / 16QAM



Date: 12.FEB.2015 10:56:19

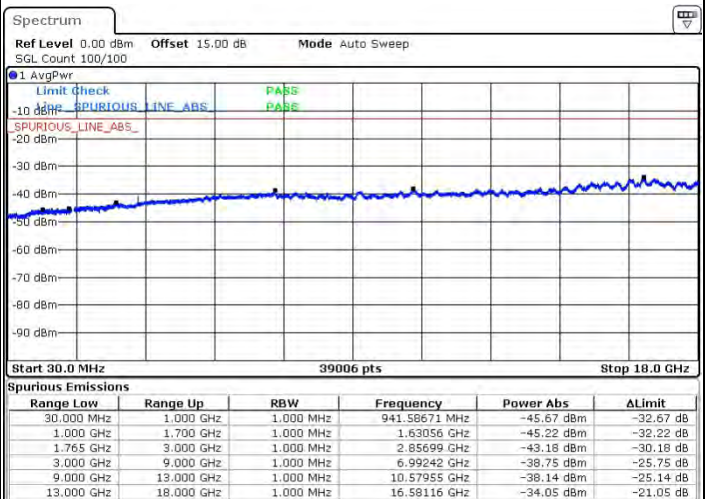
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 10.FEB.2015 01:30:42

Lowest Channel / 16QAM

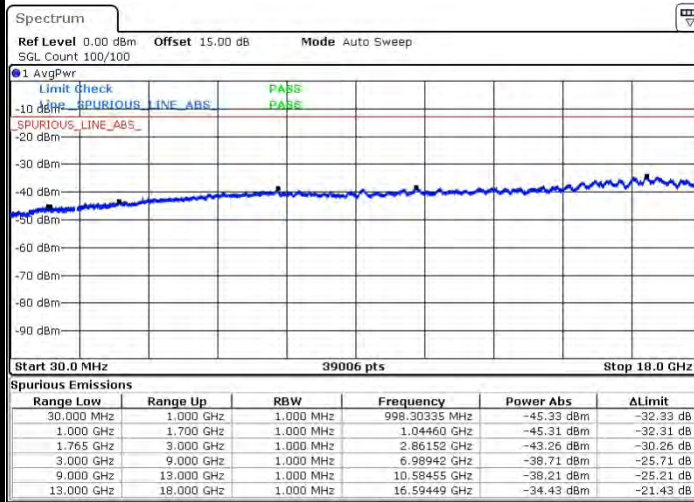


Date: 10.FEB.2015 01:32:01



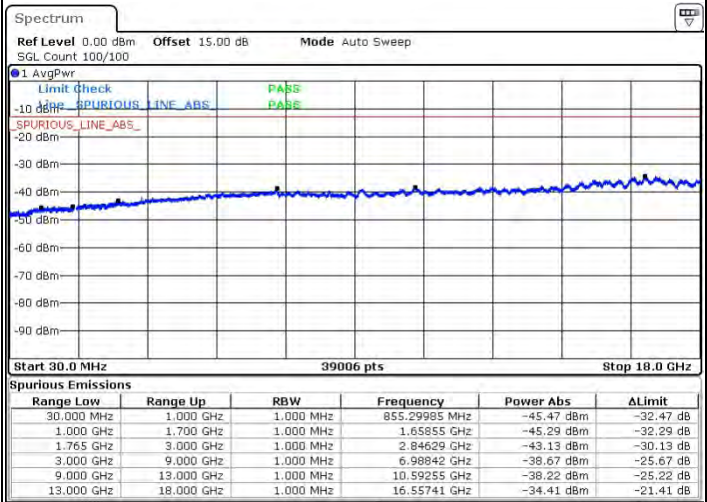
LTE Band 4 / 3MHz

Middle Channel / QPSK



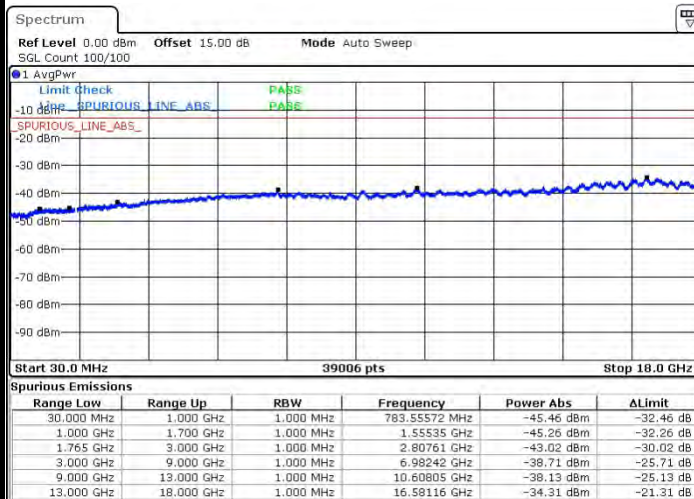
Date: 10.FEB.2015 01:55:00

Middle Channel / 16QAM



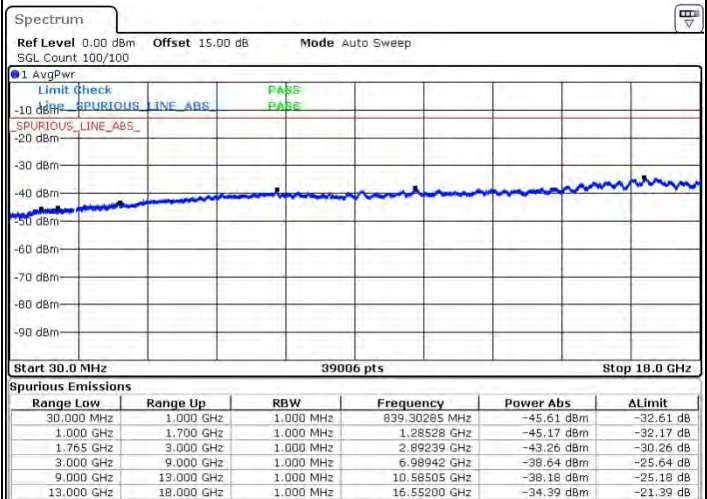
Date: 10.FEB.2015 01:56:20

Highest Channel / QPSK



Date: 10.FEB.2015 02:03:41

Highest Channel / 16QAM

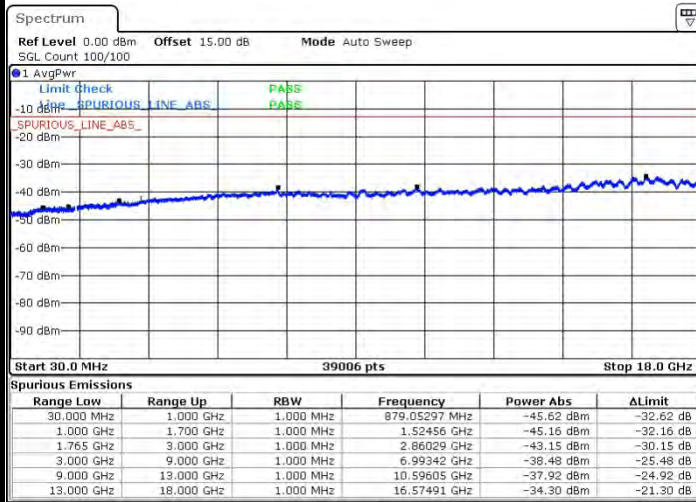


Date: 10.FEB.2015 02:05:00



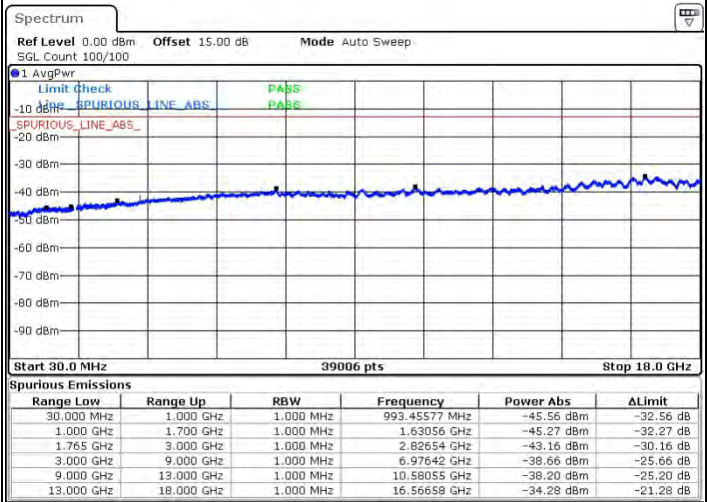
LTE Band 4 / 5MHz

Lowest Channel / QPSK



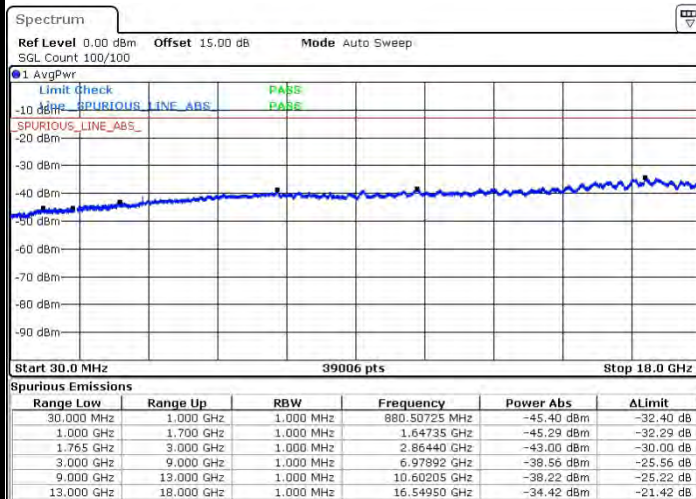
Date: 10.FEB.2015 01:06:55

Lowest Channel / 16QAM



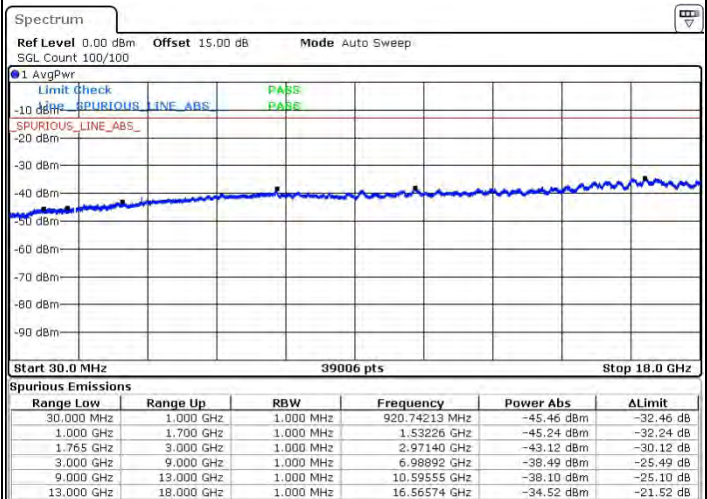
Date: 10.FEB.2015 01:08:15

Middle Channel / QPSK



Date: 10.FEB.2015 01:10:19

Middle Channel / 16QAM

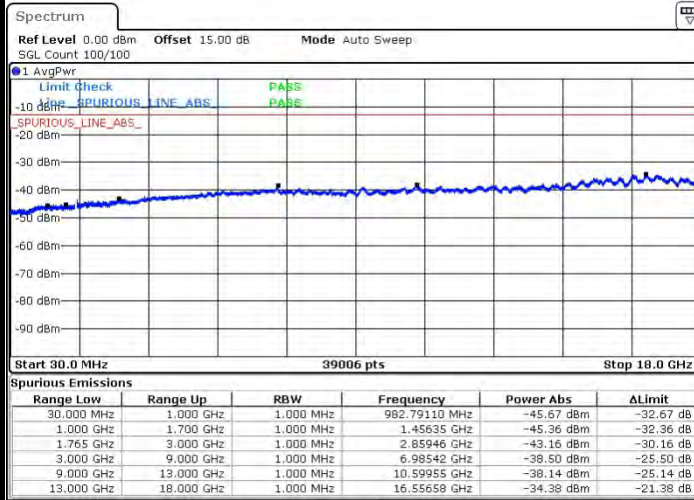


Date: 10.FEB.2015 01:11:39



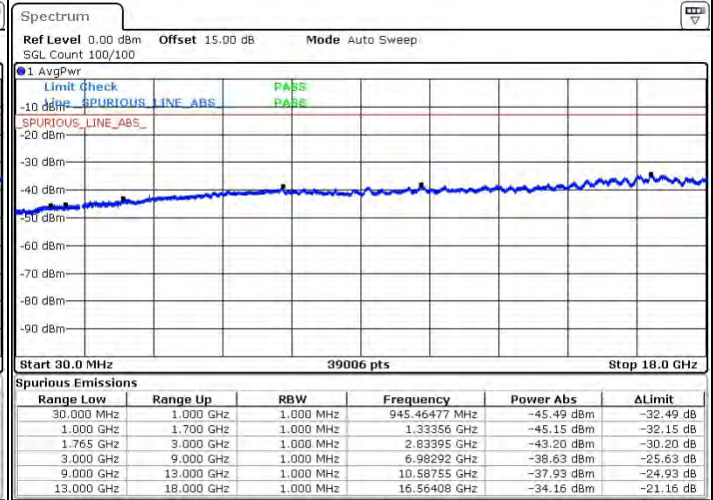
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 10.FEB.2015 01:13:00

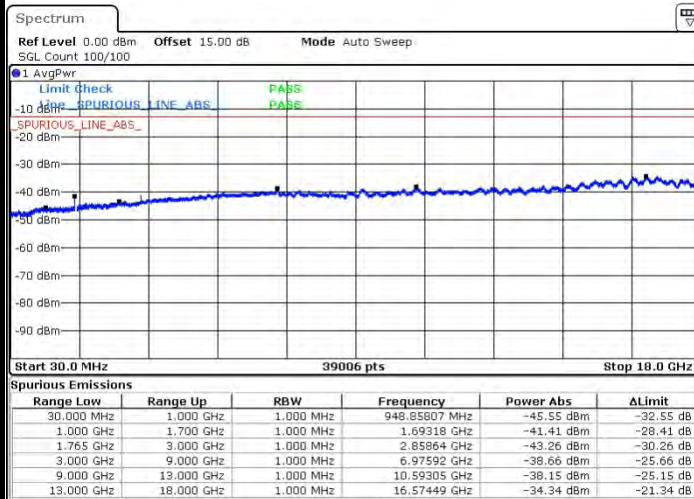
Highest Channel / 16QAM



Date: 10.FEB.2015 01:20:20

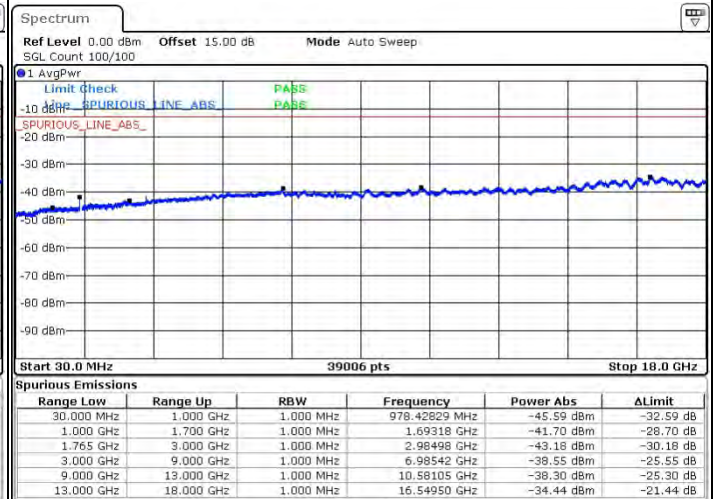
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 9.FEB.2015 23:50:27

Lowest Channel / 16QAM

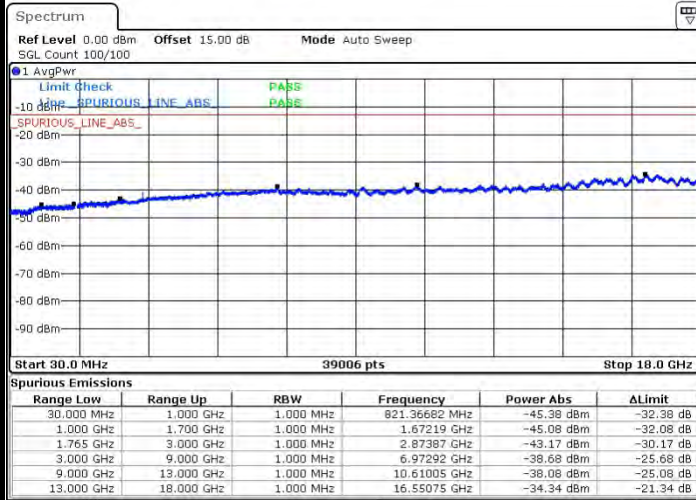


Date: 9.FEB.2015 23:51:47



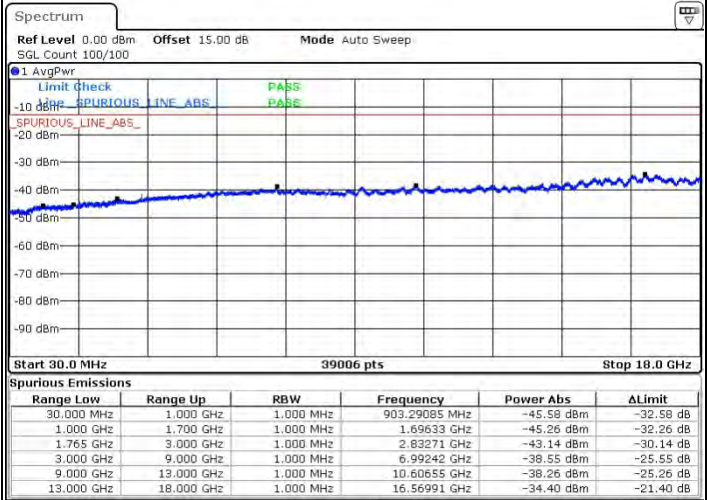
LTE Band 4 / 10MHz

Middle Channel / QPSK



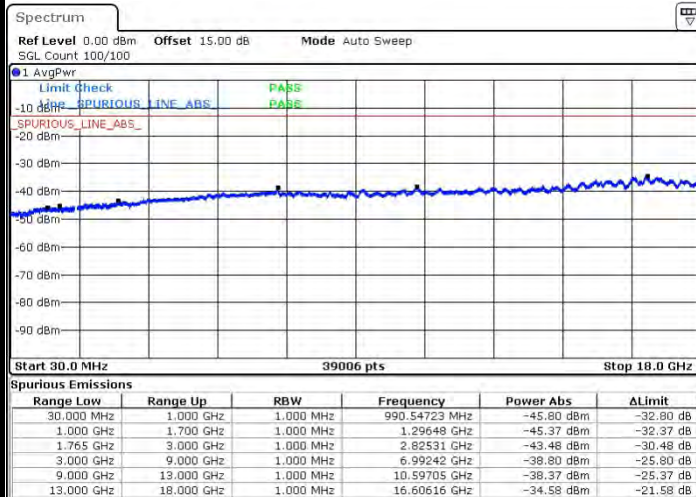
Date: 9.FEB.2015 23:53:51

Middle Channel / 16QAM



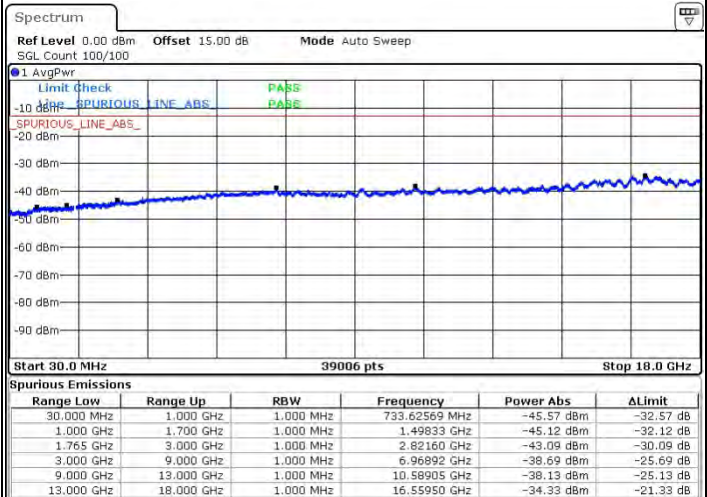
Date: 9.FEB.2015 23:55:11

Highest Channel / QPSK



Date: 12.FEB.2015 11:26:33

Highest Channel / 16QAM

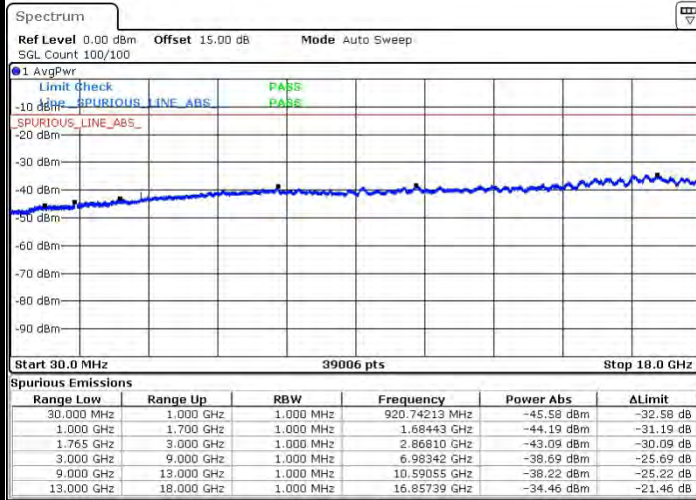


Date: 10.FEB.2015 00:03:52



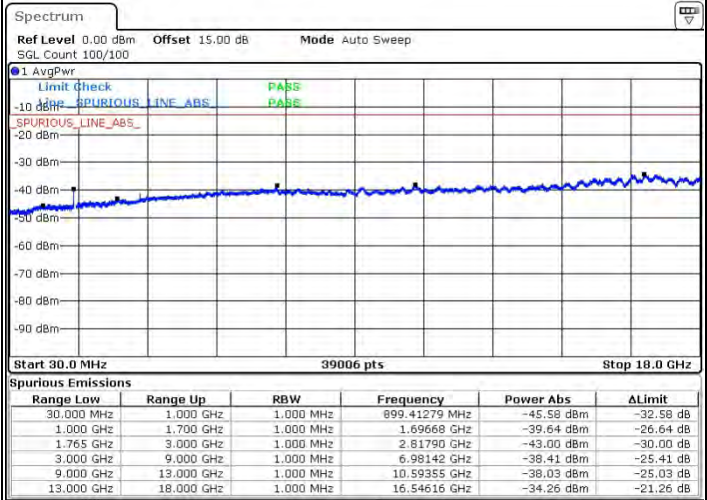
LTE Band 4 / 15MHz

Lowest Channel / QPSK



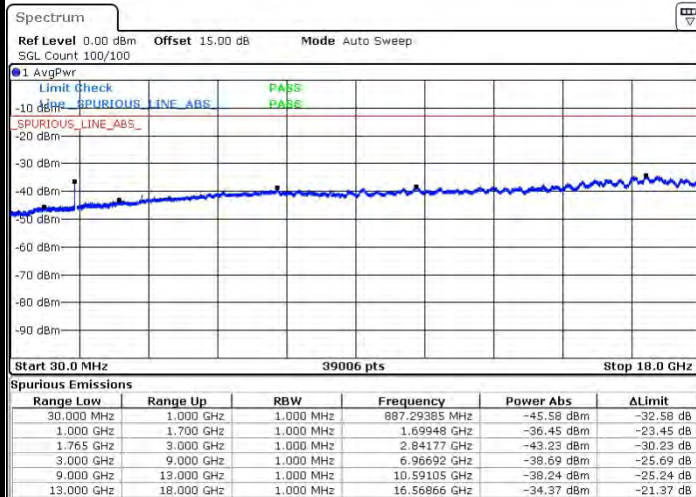
Date: 10.FEB.2015 00:12:50

Lowest Channel / 16QAM



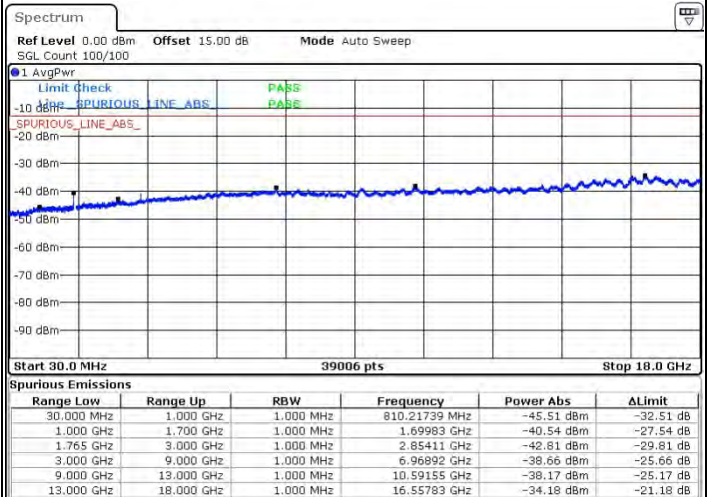
Date: 10.FEB.2015 00:14:11

Middle Channel / QPSK



Date: 10.FEB.2015 00:16:22

Middle Channel / 16QAM

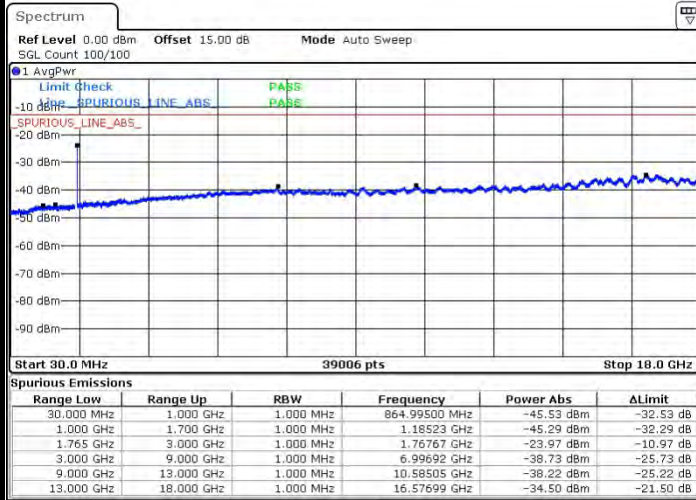


Date: 10.FEB.2015 00:17:44



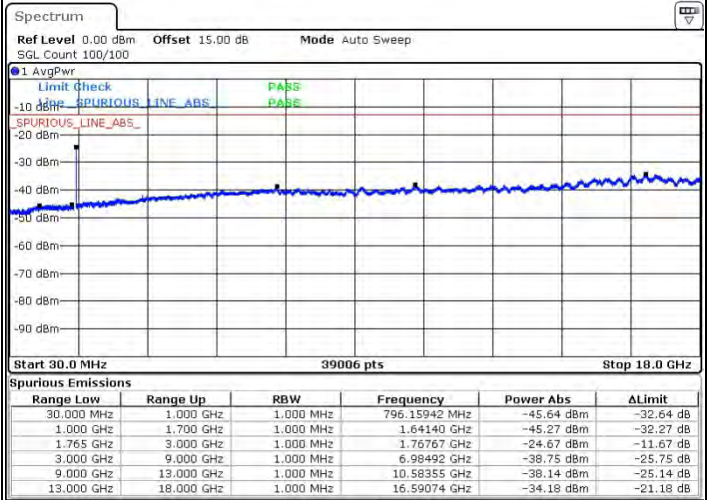
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 10.FEB.2015 00:23:24

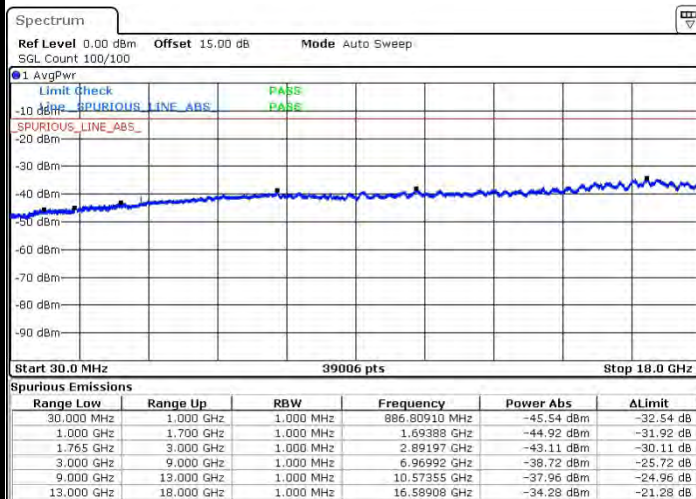
Highest Channel / 16QAM



Date: 10.FEB.2015 00:26:47

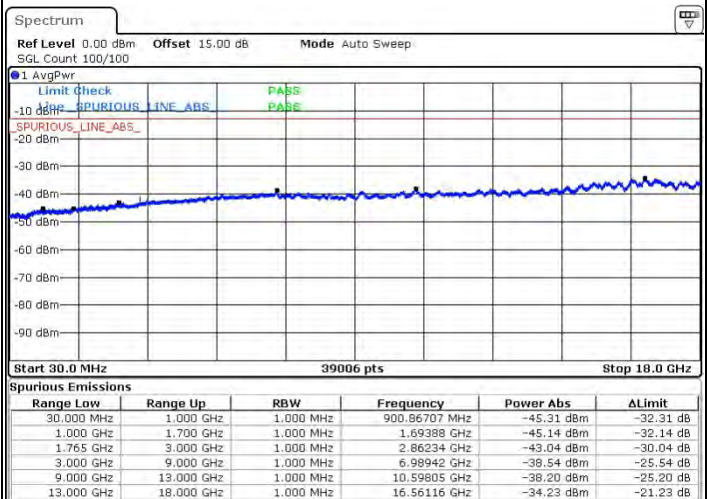
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 10.FEB.2015 00:39:01

Lowest Channel / 16QAM

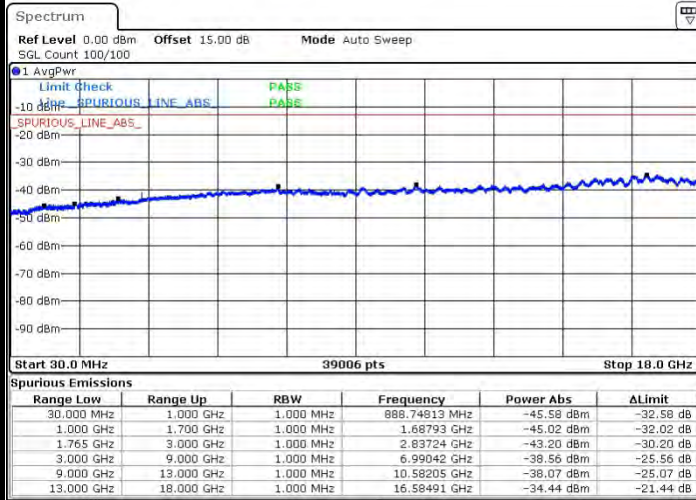


Date: 10.FEB.2015 00:40:21



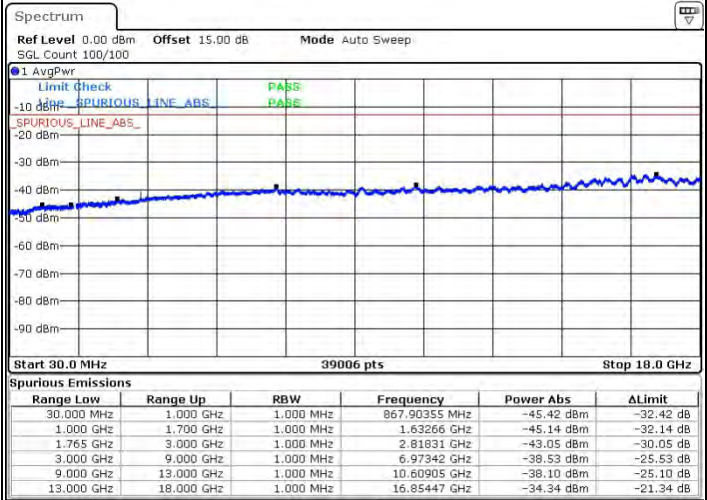
LTE Band 4 / 20MHz

Middle Channel / QPSK



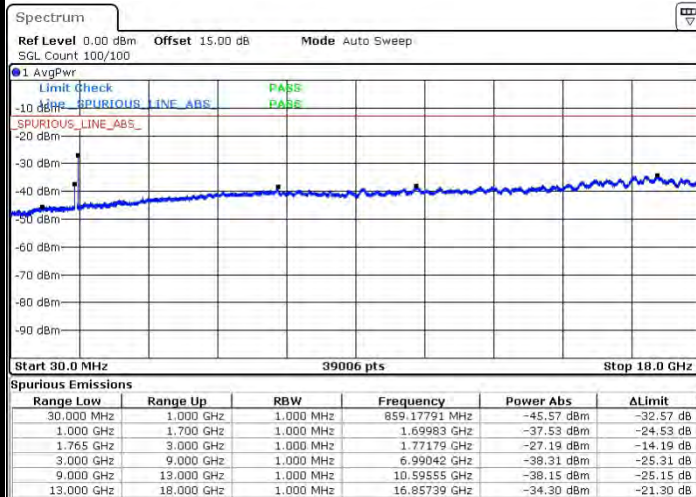
Date: 10.FEB.2015 00:42:25

Middle Channel / 16QAM



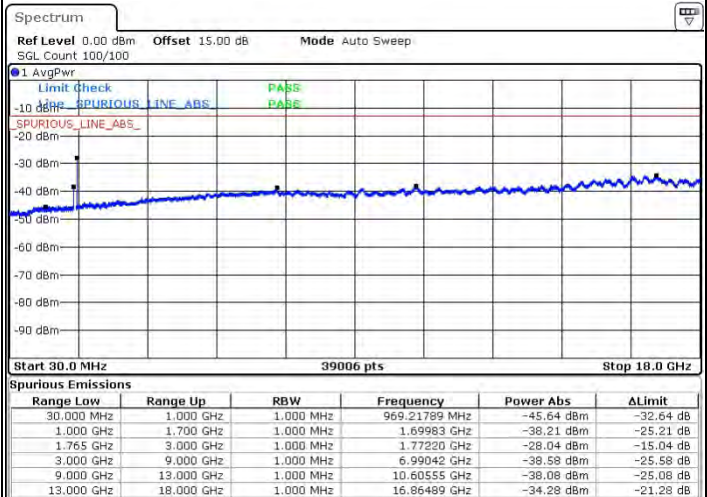
Date: 10.FEB.2015 00:43:45

Highest Channel / QPSK



Date: 10.FEB.2015 00:51:05

Highest Channel / 16QAM

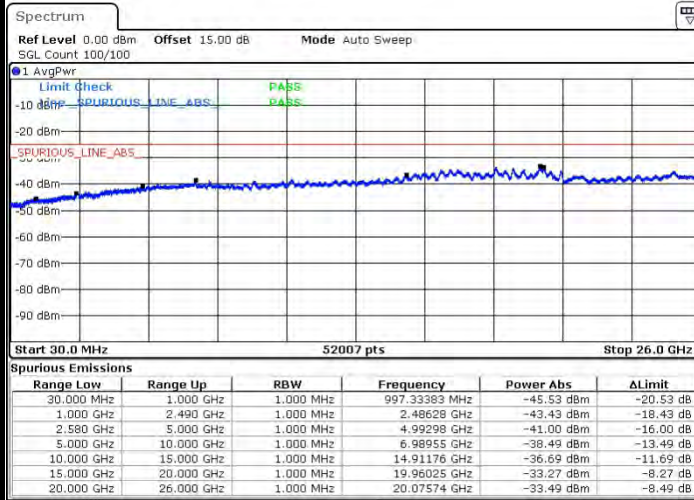


Date: 10.FEB.2015 00:52:25



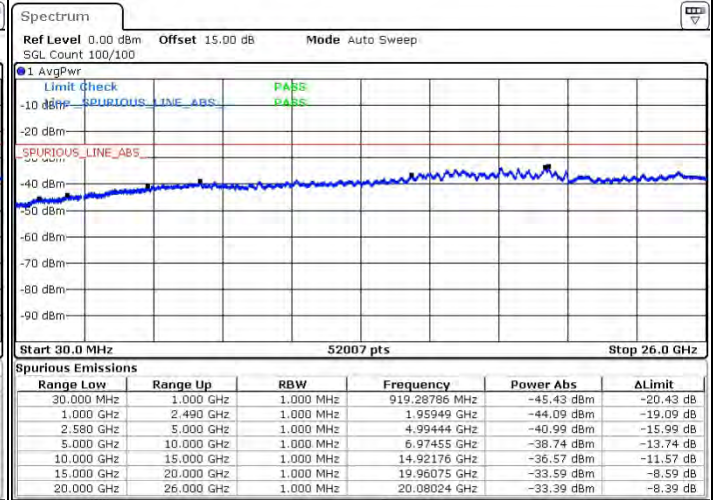
LTE Band 7 / 5MHz

Lowest Channel / QPSK



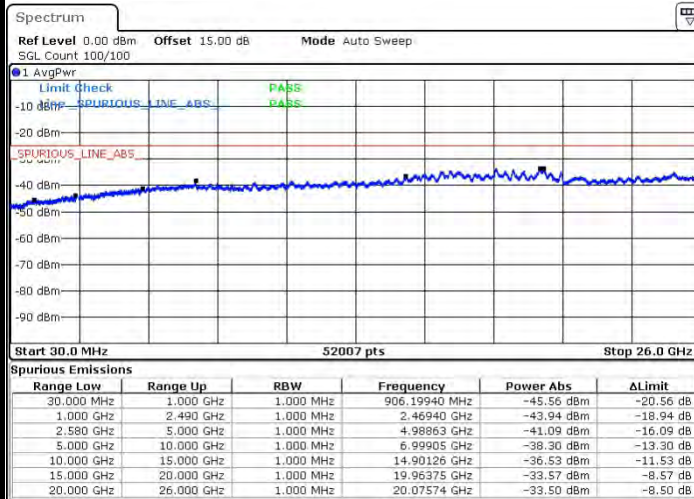
Date: 10.FEB.2015 03:07:54

Lowest Channel / 16QAM



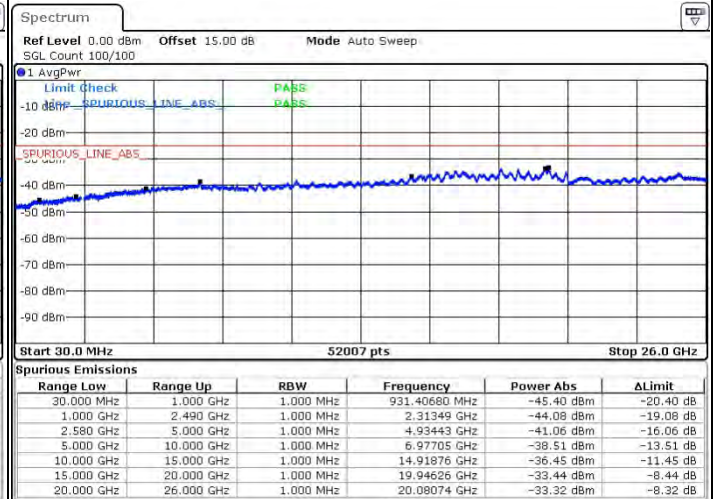
Date: 10.FEB.2015 03:09:15

Middle Channel / QPSK



Date: 10.FEB.2015 03:11:19

Middle Channel / 16QAM

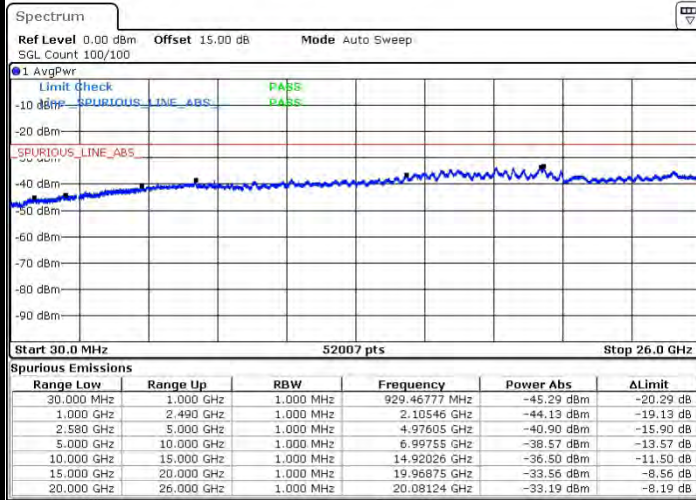


Date: 10.FEB.2015 03:12:39



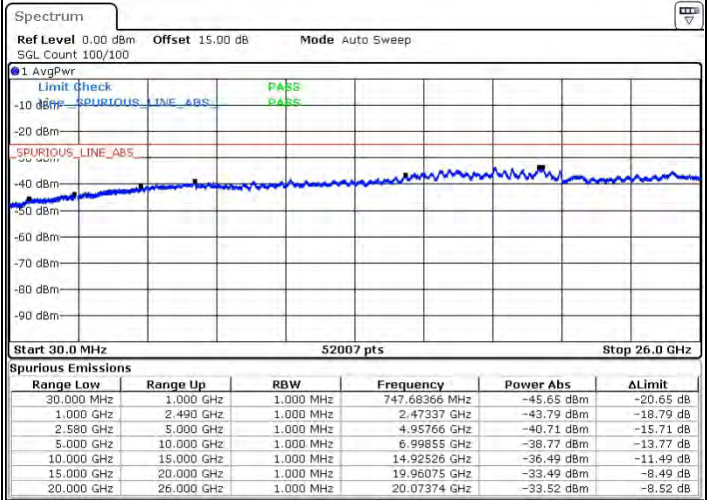
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 10.FEB.2015 03:20:00

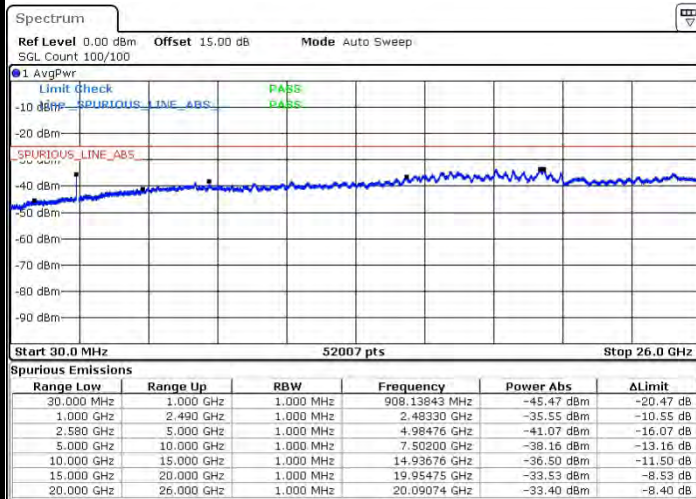
Highest Channel / 16QAM



Date: 10.FEB.2015 03:21:21

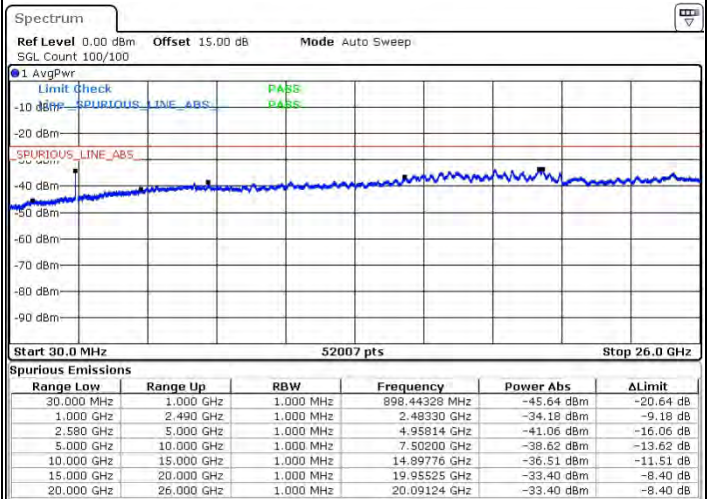
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 10.FEB.2015 03:23:43

Lowest Channel / 16QAM

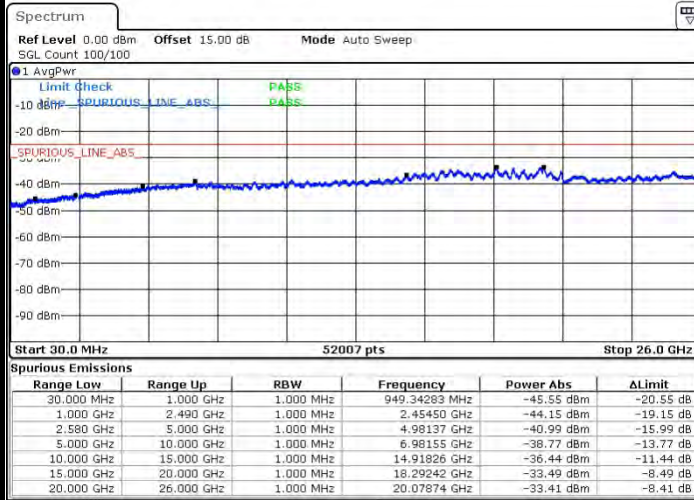


Date: 10.FEB.2015 03:30:03



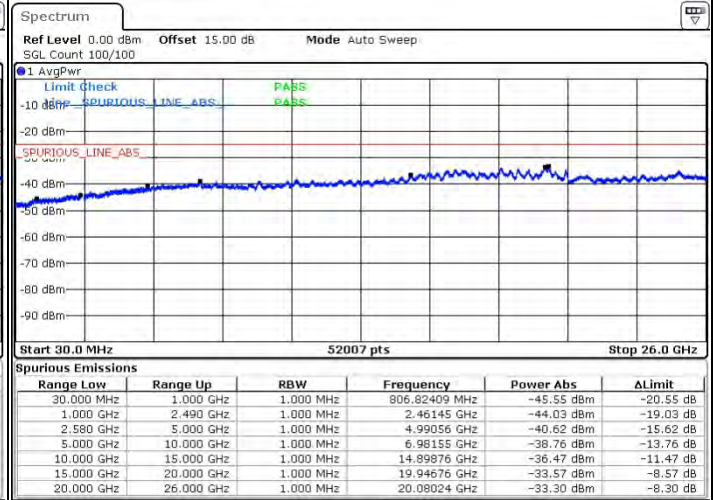
LTE Band 7 / 10MHz

Middle Channel / QPSK



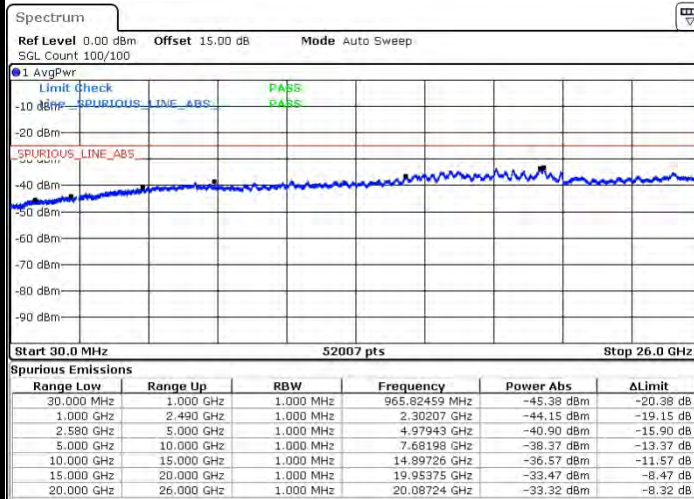
Date: 10.FEB.2015 03:32:07

Middle Channel / 16QAM



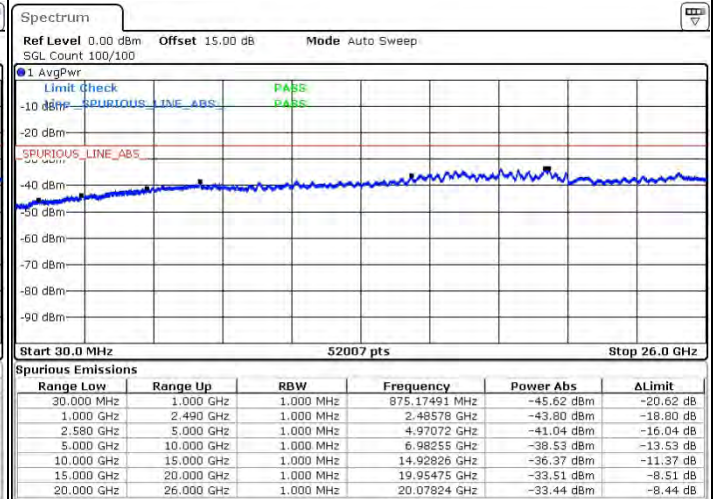
Date: 10.FEB.2015 03:33:27

Highest Channel / QPSK



Date: 10.FEB.2015 03:40:49

Highest Channel / 16QAM

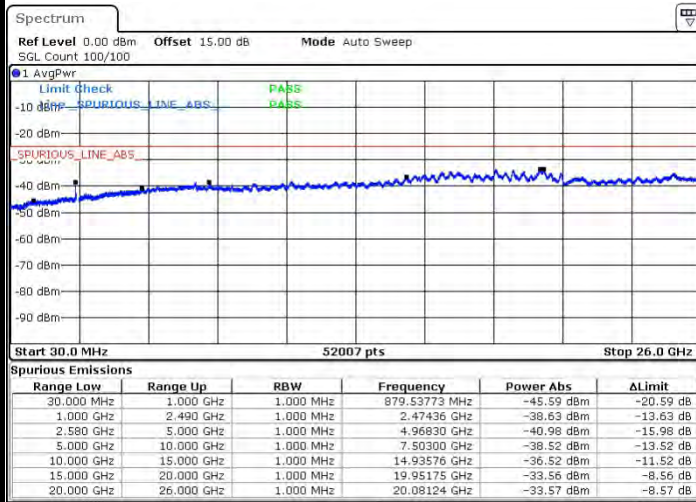


Date: 10.FEB.2015 03:42:09



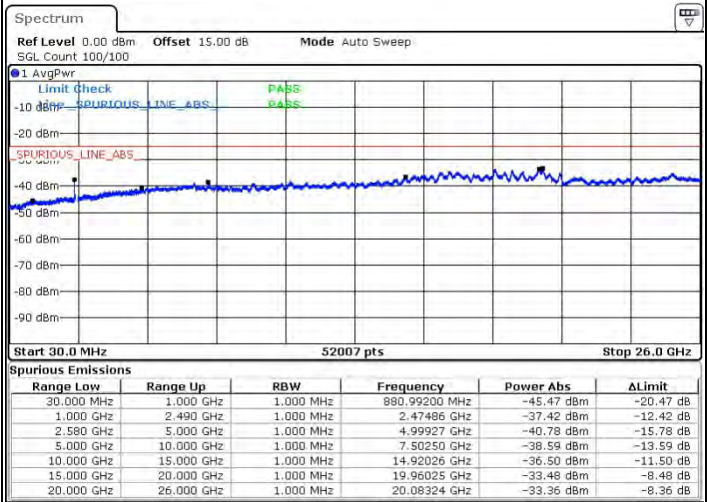
LTE Band 7 / 15MHz

Lowest Channel / QPSK



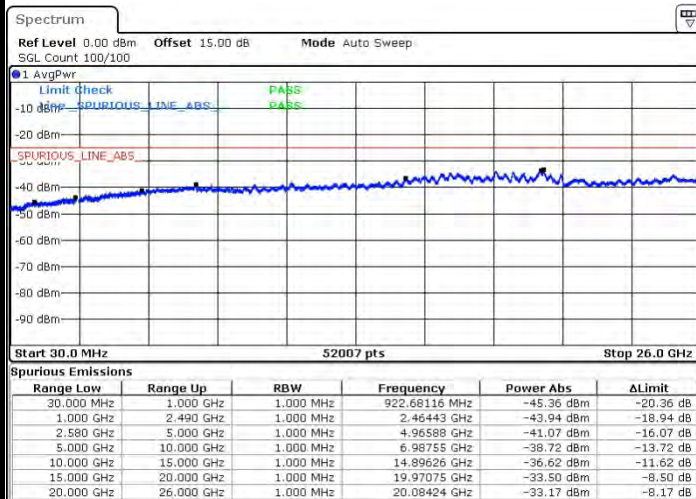
Date: 10.FEB.2015 03:43:31

Lowest Channel / 16QAM



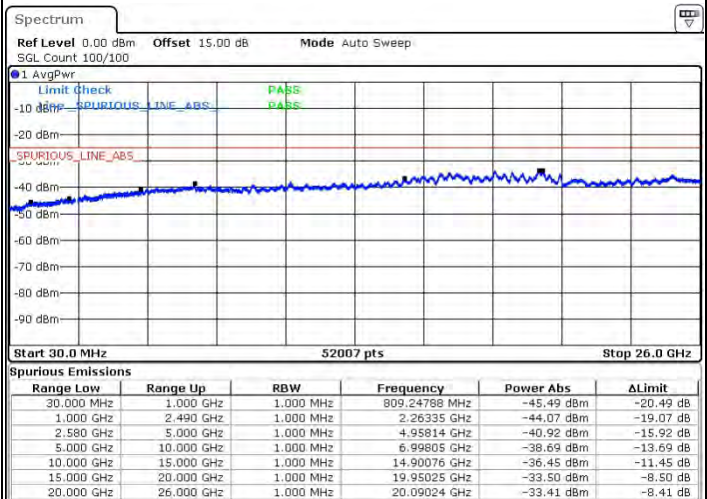
Date: 10.FEB.2015 03:50:52

Middle Channel / QPSK



Date: 10.FEB.2015 03:52:56

Middle Channel / 16QAM

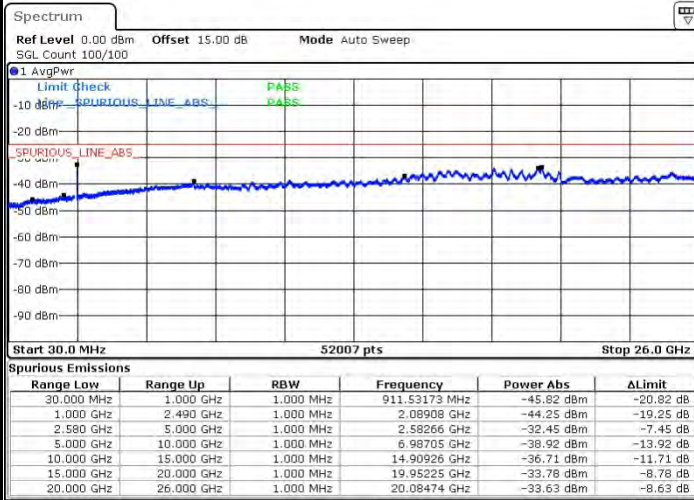


Date: 10.FEB.2015 03:54:16



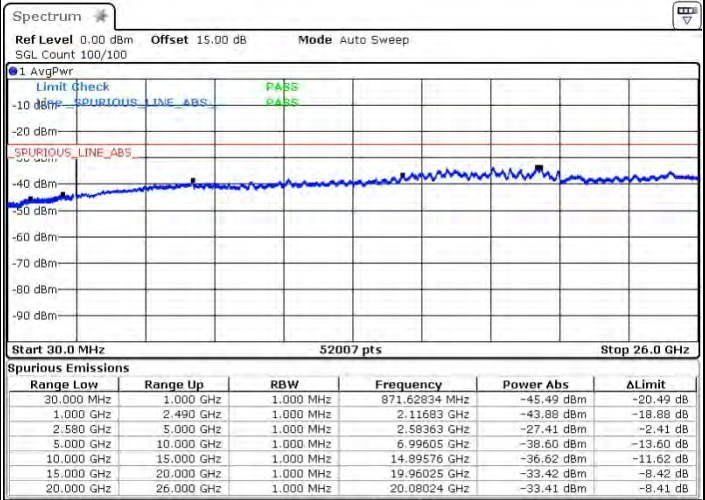
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 12.FEB.2015 14:30:45

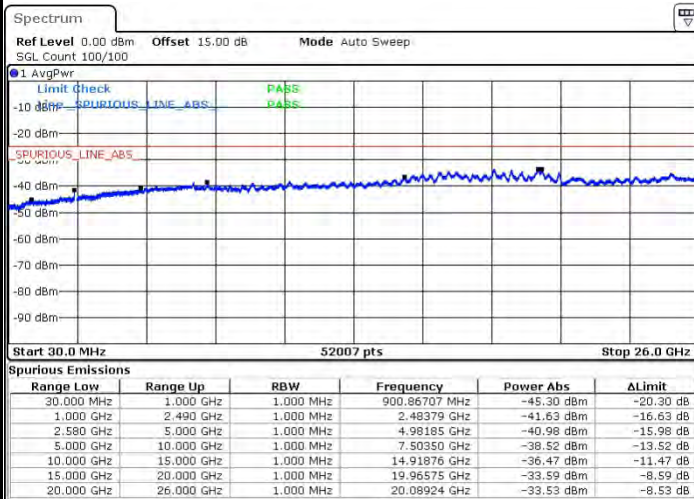
Highest Channel / 16QAM



Date: 10.FEB.2015 04:44:42

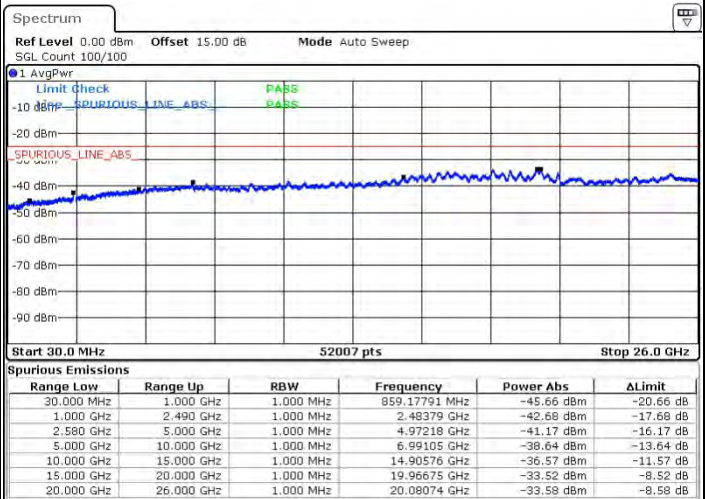
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 10.FEB.2015 04:12:13

Lowest Channel / 16QAM



Date: 10.FEB.2015 04:13:34



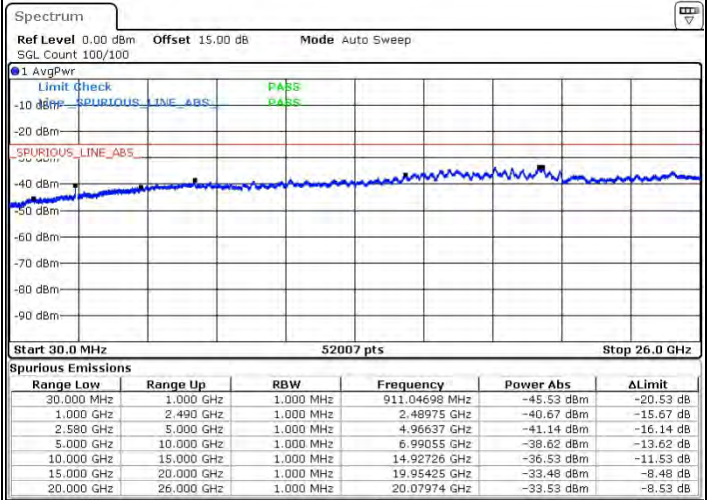
LTE Band 7 / 20MHz

Middle Channel / QPSK



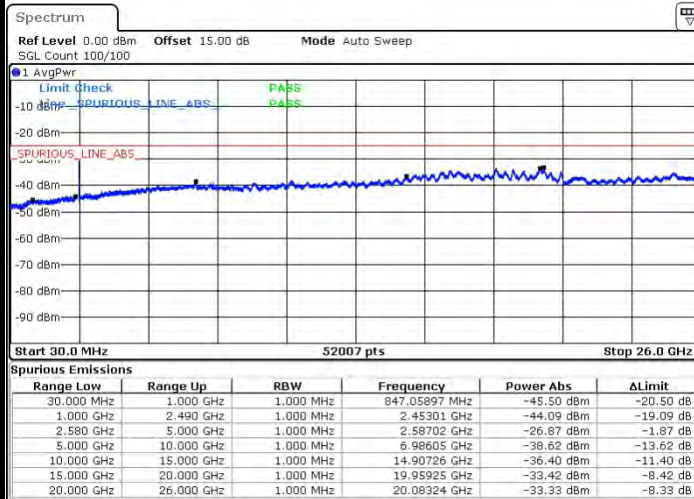
Date: 10.FEB.2015 04:13:38

Middle Channel / 16QAM



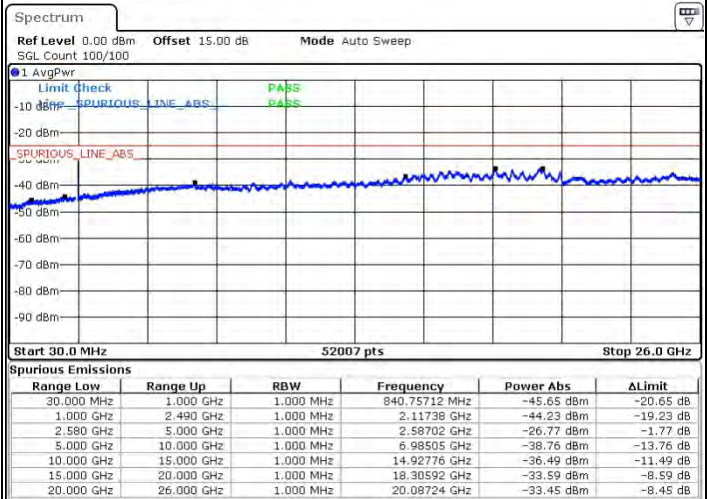
Date: 10.FEB.2015 04:16:56

Highest Channel / QPSK



Date: 10.FEB.2015 04:24:20

Highest Channel / 16QAM



Date: 10.FEB.2015 04:25:40

**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	0.0023	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.3 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	0.0012	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.3 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Appendix B. Test Results of Radiated Test

EIRP

LTE Band 4 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	20.01	0.1002	20.12	0.1028
Middle		3	0	21.35	0.1365	21.67	0.1469
Highest		3	0	21.75	0.1496	21.96	0.1570
Lowest	16QAM	1	2	18.91	0.0778	19.08	0.0809
Middle		1	2	19.33	0.0857	19.50	0.0891
Highest		1	5	21.30	0.1349	21.38	0.1374
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	7	19.95	0.0989	20.11	0.1026
Middle		1	7	20.98	0.1253	21.29	0.1346
Highest		1	7	21.46	0.1400	21.62	0.1452
Lowest	16QAM	1	14	19.01	0.0796	19.13	0.0818
Middle		1	7	19.87	0.0971	20.03	0.1007
Highest		1	14	21.16	0.1306	21.19	0.1315
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	19.52	0.0895	19.51	0.0893
Middle		1	24	21.05	0.1274	21.16	0.1306
Highest		1	24	21.37	0.1371	21.30	0.1349
Lowest	16QAM	1	0	18.79	0.0757	18.93	0.0782
Middle		1	0	19.91	0.0979	20.09	0.1021
Highest		1	24	20.89	0.1227	20.90	0.1230
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	49	19.51	0.0893	19.57	0.0906
Middle		1	49	21.04	0.1271	21.14	0.1300
Highest		1	49	20.81	0.1205	20.73	0.1183
Lowest	16QAM	1	49	18.82	0.0762	18.95	0.0785
Middle		1	49	20.28	0.1067	20.42	0.1102
Highest		1	24	20.35	0.1084	20.39	0.1094
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	74	20.38	0.1091	20.45	0.1109
Middle		1	74	21.15	0.1303	21.32	0.1355
Highest		1	74	20.75	0.1189	20.67	0.1167
Lowest	16QAM	1	74	18.97	0.0789	19.06	0.0805
Middle		1	0	19.15	0.0822	19.19	0.0830
Highest		1	74	20.38	0.1091	20.43	0.1104
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	20.63	0.1156	20.74	0.1186
Middle		1	99	21.20	0.1318	21.36	0.1368
Highest		1	99	20.85	0.1216	20.78	0.1197
Lowest	16QAM	1	99	19.34	0.0859	19.57	0.0906
Middle		1	0	19.14	0.0820	19.43	0.0877
Highest		1	99	20.06	0.1014	20.06	0.1014
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	24	22.82	0.1914	23.10	0.2042
Middle		1	24	22.38	0.1730	22.32	0.1706
Highest		1	24	22.18	0.1652	22.03	0.1596
Lowest	16QAM	1	24	21.85	0.1531	22.12	0.1629
Middle		1	24	21.36	0.1368	21.32	0.1355
Highest		1	24	21.20	0.1318	21.06	0.1276
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	49	22.24	0.1675	22.40	0.1738
Middle		1	49	22.50	0.1778	22.35	0.1718
Highest		1	24	21.36	0.1368	21.31	0.1352
Lowest	16QAM	1	49	21.80	0.1514	21.55	0.1429
Middle		1	49	21.86	0.1535	21.27	0.1340
Highest		1	49	21.30	0.1349	21.13	0.1297
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	22.01	0.1589	22.15	0.1641
Middle		1	74	22.40	0.1738	22.25	0.1679
Highest		1	74	22.26	0.1683	22.12	0.1629
Lowest	16QAM	1	74	21.62	0.1452	21.40	0.1380
Middle		1	74	21.89	0.1545	21.37	0.1371
Highest		1	74	21.56	0.1432	21.22	0.1324
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	21.87	0.1538	21.90	0.1549
Middle		1	99	22.42	0.1746	22.26	0.1683
Highest		1	99	22.21	0.1663	22.06	0.1607
Lowest	16QAM	1	99	21.60	0.1445	21.48	0.1406
Middle		1	99	21.74	0.1493	21.33	0.1358
Highest		1	99	21.62	0.1452	21.28	0.1343
Limit	EIRP < 2W			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 :	Sam Li					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
3463.92	-61.76	-13	-48.76	-64.08	-69.98	0.98	9.20	H	Pass
5195.88	-59.92	-13	-46.92	-65.93	-69.31	1.11	10.50	H	Pass
6927.84	-50.92	-13	-37.92	-65.26	-59.52	1.20	9.80	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 :	Sam Li					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)	
3463.92	-61.35	-13	-48.35	-63.70	-69.57	0.98	9.20	V	Pass
5195.88	-58.30	-13	-45.30	-66.03	-67.69	1.11	10.50	V	Pass
6927.84	-52.27	-13	-39.27	-65.41	-60.87	1.20	9.80	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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		
			(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
3462.48	-61.43	-13	-48.43	-63.75	-69.65	0.98	9.20	H	Pass
5193.72	-57.61	-13	-44.61	-63.62	-67.00	1.11	10.50	H	Pass
6924.96	-49.38	-13	-36.38	-63.72	-57.98	1.2	9.80	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 :	Sam Li					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)	
3462.48	-61.50	-13	-48.50	-63.85	-69.72	0.98	9.20	V	Pass
5193.72	-55.81	-13	-42.81	-63.54	-65.20	1.11	10.50	V	Pass
6924.96	-51.07	-13	-38.07	-64.21	-59.67	1.20	9.80	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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
3460.68	-60.82	-13	-47.82	-63.14	-69.04	0.98	9.20	H	Pass
5191.02	-59.02	-13	-46.02	-65.03	-68.41	1.11	10.50	H	Pass
6921.36	-50.32	-13	-37.32	-64.66	-58.92	1.20	9.80	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 :	Sam Li				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	-61.05	-13	-48.05	-63.4	-69.27	0.98	9.20	V	Pass
5191.02	-57.45	-13	-44.45	-65.18	-66.84	1.11	10.50	V	Pass
6921.36	-51.63	-13	-38.63	-64.77	-60.23	1.20	9.80	V	Pass



Band :	LTE Band 4					Temperature :	23~25℃		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Sam Li					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)	
3456.18	-61.13	-13	-48.13	-63.45	-69.35	0.98	9.20	H	Pass
5184.27	-59.16	-13	-46.16	-65.17	-68.55	1.11	10.50	H	Pass
6912.36	-49.95	-13	-36.95	-64.29	-58.55	1.20	9.80	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 :	Sam Li					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	-61.76	-13	-48.76	-64.11	-69.98	0.98	9.20	V	Pass
5184.27	-57.46	-13	-44.46	-65.19	-66.85	1.11	10.50	V	Pass
6912.36	-51.29	-13	-38.29	-64.43	-59.89	1.20	9.80	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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		
			(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
3451.68	-61.36	-13	-48.36	-63.68	-69.58	0.98	9.20	H	Pass
5177.52	-59.24	-13	-46.24	-65.25	-68.63	1.11	10.50	H	Pass
6903.36	-50.13	-13	-37.13	-64.47	-58.73	1.20	9.80	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 :	Sam Li				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	-61.97	-13	-48.97	-64.32	-70.19	0.98	9.20	V	Pass
5177.52	-56.79	-13	-43.79	-64.52	-66.18	1.11	10.50	V	Pass
6903.36	-51.74	-13	-38.74	-64.88	-60.34	1.20	9.80	V	Pass



Band :	LTE Band 4	Temperature :	23~25℃						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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
3447.18	-61.96	-13	-48.96	-64.28	-70.18	0.98	9.20	H	Pass
5170.77	-58.64	-13	-45.64	-64.65	-68.03	1.11	10.50	H	Pass
6894.36	-49.78	-13	-36.78	-64.12	-58.38	1.20	9.80	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 :	Sam Li					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	-61.82	-13	-48.82	-64.17	-70.04	0.98	9.20	V	Pass
5170.77	-57.34	-13	-44.34	-65.07	-66.73	1.11	10.50	V	Pass
6894.36	-51.83	-13	-38.83	-64.97	-60.43	1.20	9.80	V	Pass



Band :	LTE Band 7	Temperature :	23~25°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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		
			(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5065.68	-45.68	-25	-20.68	-54.77	-54.98	1.20	10.50	H	Pass
7598.52	-52.32	-25	-27.32	-62.43	-59.86	1.56	9.10	H	Pass
10131.36	-38.98	-25	-13.98	-55.61	-47.90	1.78	10.70	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 :	Sam Li				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	-50.37	-25	-25.37	-56.96	-59.67	1.20	10.50	V	Pass
7598.52	-51.34	-25	-26.34	-61.91	-58.88	1.56	9.10	V	Pass
10131.36	-40.65	-25	-15.65	-56.8	-49.57	1.78	10.70	V	Pass



Band :	LTE Band 7					Temperature :	23~25℃		
Test Mode :	10MHz QPSK RB Size 1 Offset 0					Relative Humidity :	48~52%		
Test Engineer :	Sam Li					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	-27.98	-25	-2.98	-45.36	-37.28	1.2	10.50	H	Pass
7591.77	-48.45	-25	-23.45	-58.56	-55.99	1.56	9.10	H	Pass
10122.36	-26.80	-25	-1.80	-50.98	-35.72	1.78	10.70	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 :	Sam Li					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	-37.38	-25	-12.38	-50.88	-46.68	1.2	10.50	V	Pass
7591.77	-48.69	-25	-23.69	-59.26	-56.23	1.56	9.10	V	Pass
10122.36	-29.58	-25	-4.58	-51.52	-38.50	1.78	10.70	V	Pass



Band :	LTE Band 7	Temperature :	23~25℃						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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		
			(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5056.68	-32.26	-25	-7.26	-46.66	-38.66	1.20	7.60	H	Pass
7585.02	-38.94	-25	-13.94	-58.88	-47.28	1.56	9.90	H	Pass
10116	-25.75	-25	-0.75	-51.04	-35.57	1.78	11.60	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 :	Sam Li					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	-35.51	-25	-10.51	-51.05	-41.91	1.20	7.60	V	Pass
7585.02	-41.55	-25	-16.55	-60.81	-49.89	1.56	9.90	V	Pass
10116	-31.00	-25	-6.00	-55.2	-40.82	1.78	11.60	V	Pass



Band :	LTE Band 7	Temperature :	23~25℃						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	48~52%						
Test Engineer :	Sam Li	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		
			(dB)	(dBm)	(dBm)	(dB)	(dBi)	(H/V)	
5052.18	-31.65	-25	-6.65	-46.06	-38.05	1.2	7.60	H	Pass
7578.27	-36.51	-25	-11.51	-56.85	-44.85	1.56	9.90	H	Pass
10104.36	-25.37	-25	-0.37	-50.72	-35.19	1.78	11.60	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 :	Sam Li					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	-34.63	-25	-9.63	-50.33	-41.03	1.2	7.60	V	Pass
7578.27	-37.04	-25	-12.04	-57.03	-45.38	1.56	9.90	V	Pass
10104.36	-26.62	-25	-1.62	-51.13	-36.44	1.78	11.60	V	Pass