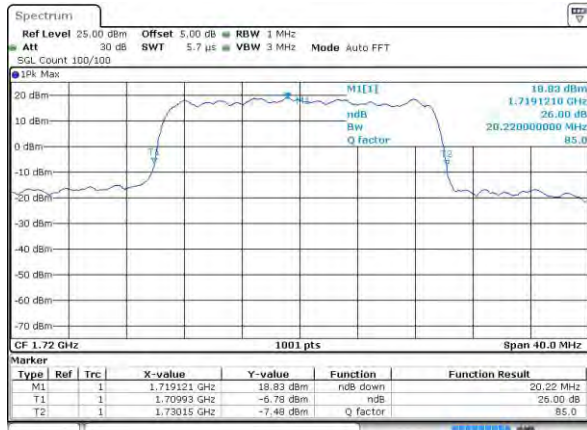


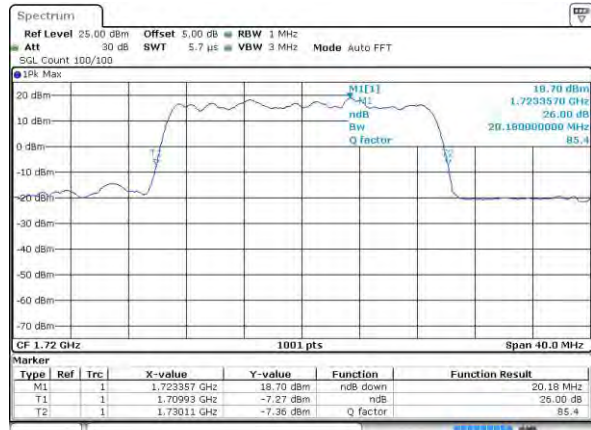


LTE Band 4

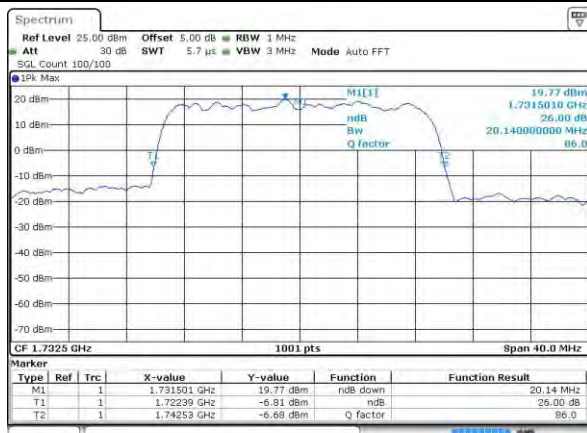
Lowest Channel / 20MHz / QPSK



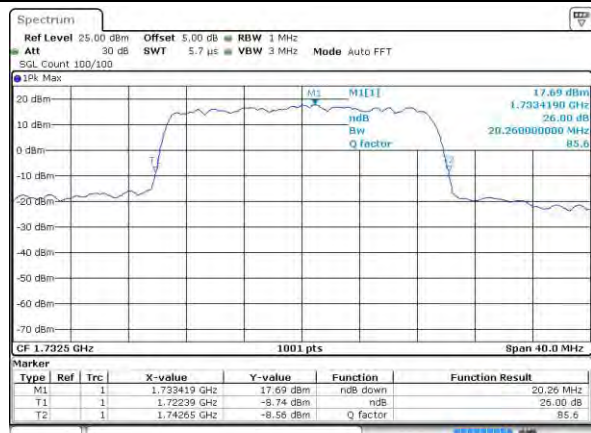
Lowest Channel / 20MHz / 16QAM



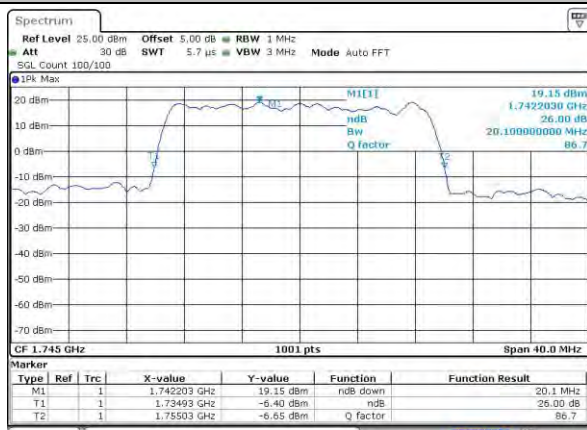
Middle Channel / 20MHz / QPSK



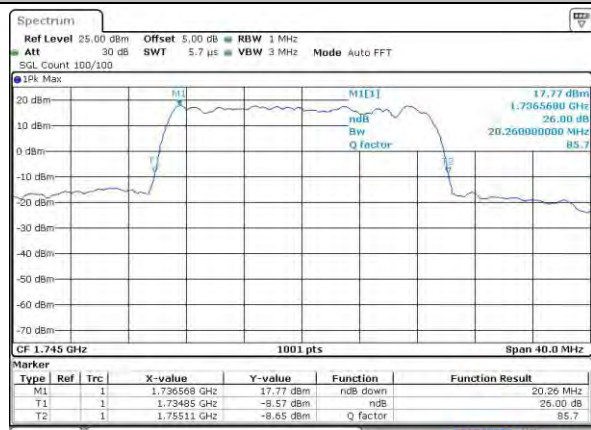
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



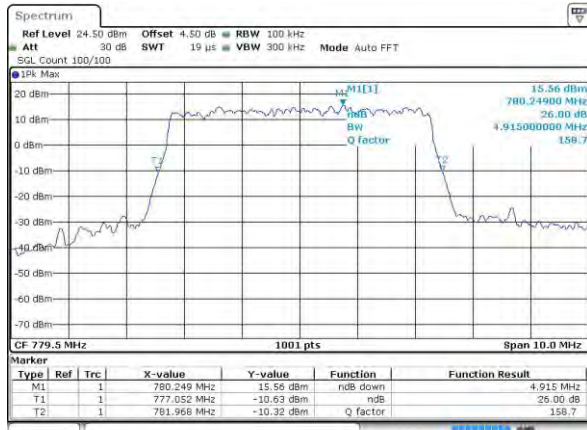
Highest Channel / 20MHz / 16QAM





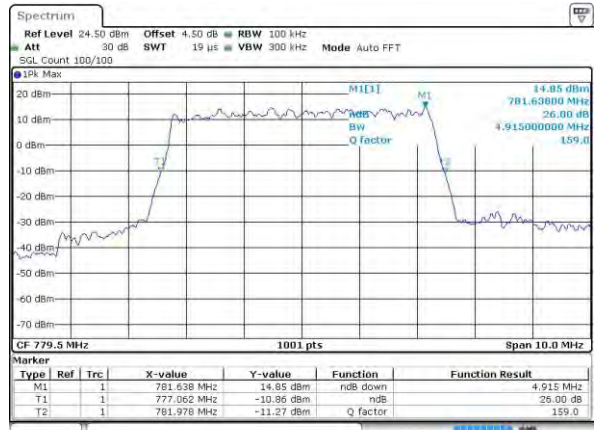
LTE Band 13

Lowest Channel / 5MHz / QPSK



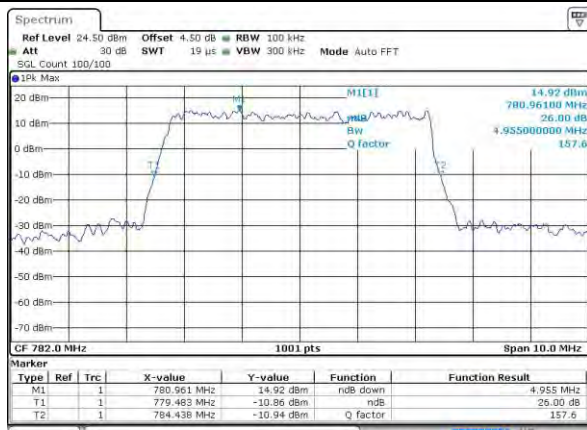
Date: 5 NOV 2015 00:41:48

Lowest Channel / 5MHz / 16QAM



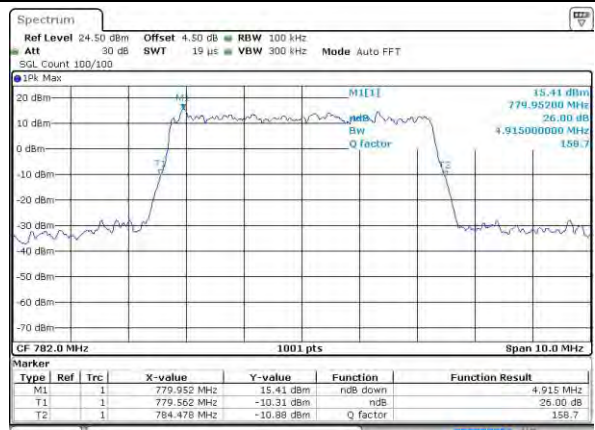
Date: 5 NOV 2015 00:41:59

Middle Channel / 5MHz / QPSK



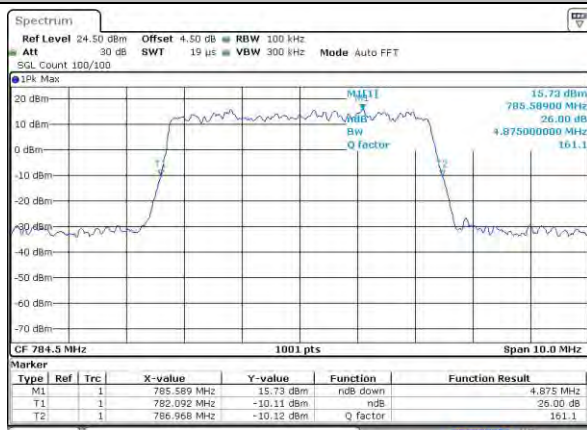
Date: 5 NOV 2015 00:48:53

Middle Channel / 5MHz / 16QAM



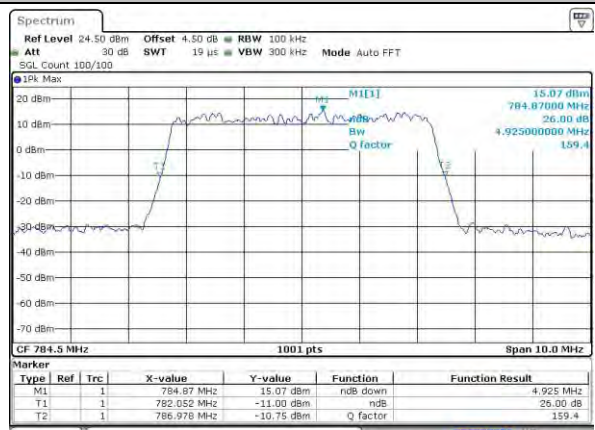
Date: 5 NOV 2015 00:49:03

Highest Channel / 5MHz / QPSK



Date: 5 NOV 2015 00:51:35

Highest Channel / 5MHz / 16QAM

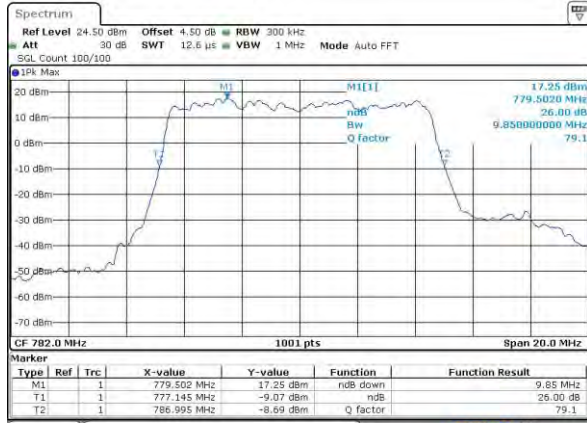


Date: 5 NOV 2015 00:51:24



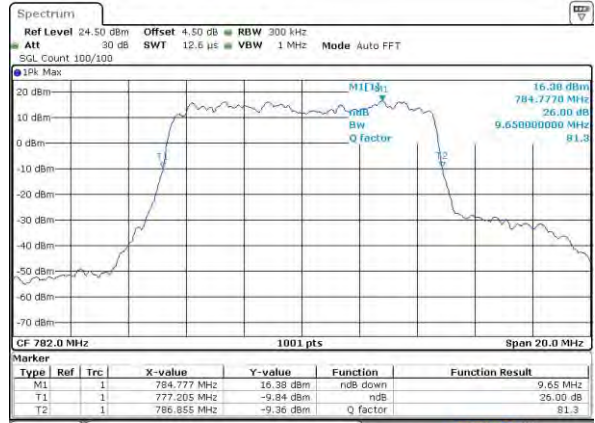
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 5 NOV 2015 01:00:29

Middle Channel / 10MHz / 16QAM



Date: 5 NOV 2015 01:00:19

**Occupied Bandwidth**

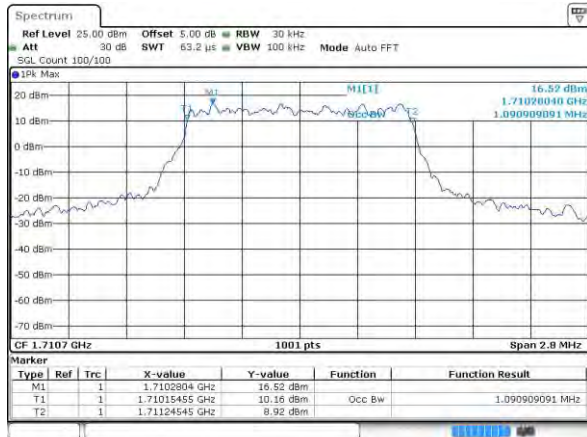
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.71	2.72	4.51	4.50	9.07	9.09	13.43	13.46	18.42	18.18
Middle CH	1.10	1.09	2.73	2.72	4.49	4.48	9.09	9.03	13.46	13.40	18.30	18.42
Highest CH	1.09	1.10	2.72	2.73	4.49	4.50	9.05	9.01	13.49	13.46	18.38	18.50

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	4.51	9.01	8.97	-	-	-	-
Highest CH	-	-	-	-	4.49	4.48	-	-	-	-	-	-



LTE Band 4

Lowest Channel / 1.4MHz / QPSK



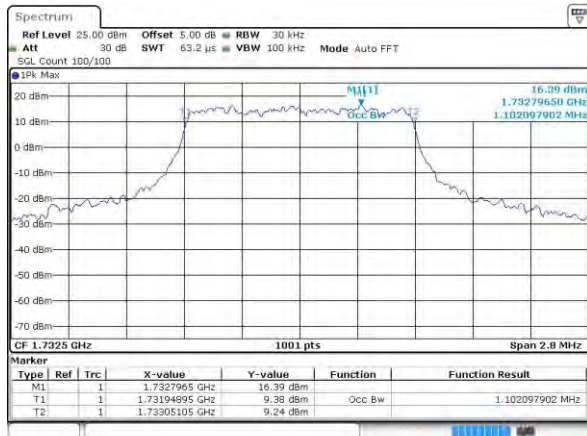
Date: 4 NOV 2015 20:07:34

Lowest Channel / 1.4MHz / 16QAM



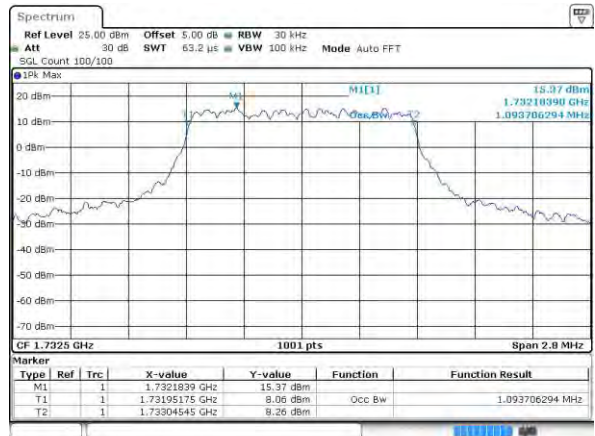
Date: 4 NOV 2015 20:07:45

Middle Channel / 1.4MHz / QPSK



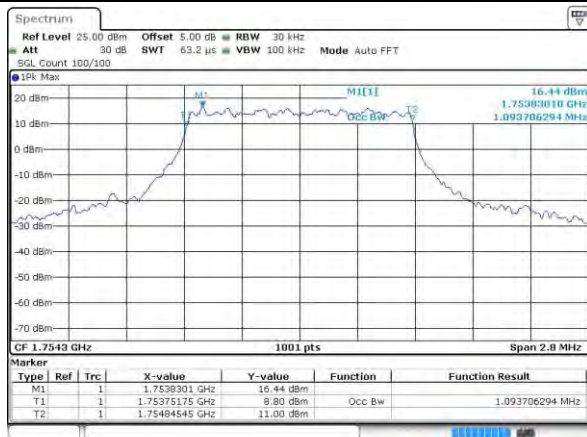
Date: 4 NOV 2015 20:14:39

Middle Channel / 1.4MHz / 16QAM



Date: 4 NOV 2015 20:14:30

Highest Channel / 1.4MHz / QPSK



Date: 4 NOV 2015 20:17:12

Highest Channel / 1.4MHz / 16QAM

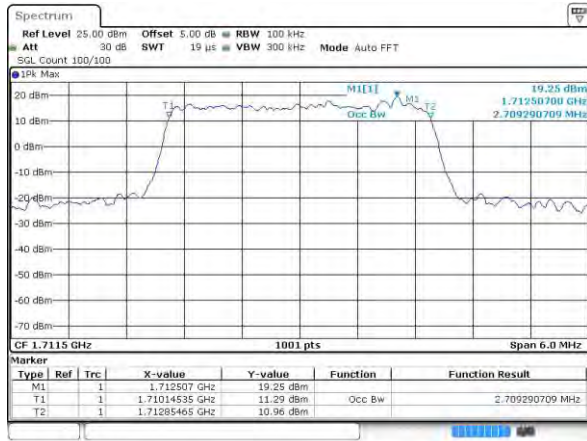


Date: 4 NOV 2015 20:17:23

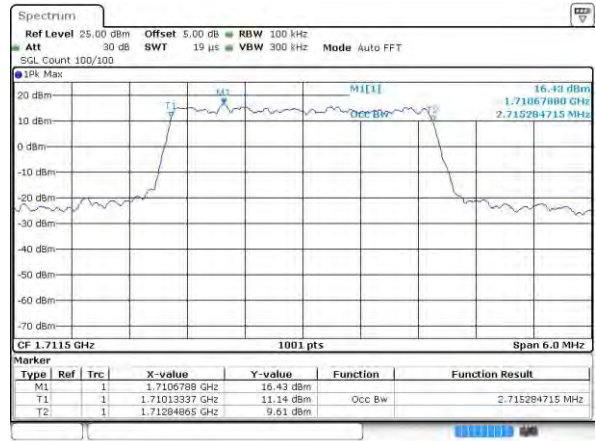


LTE Band 4

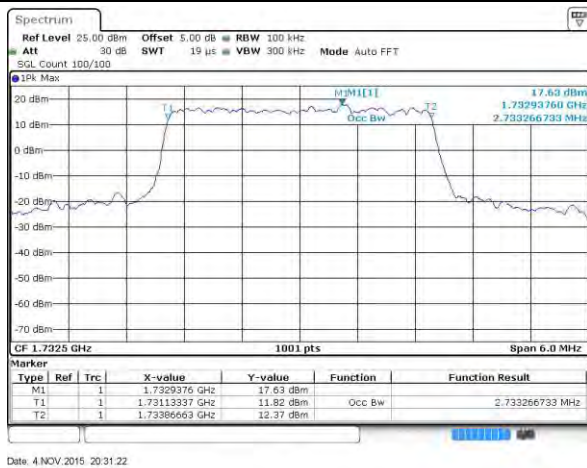
Lowest Channel / 3MHz / QPSK



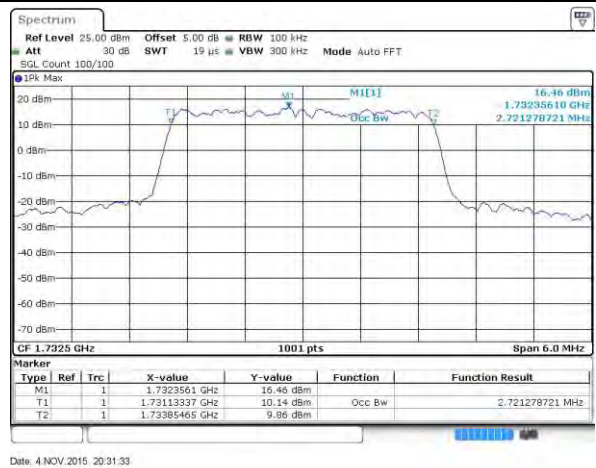
Lowest Channel / 3MHz / 16QAM



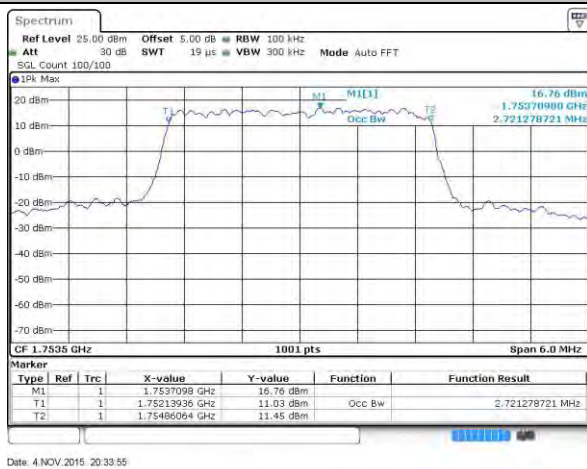
Middle Channel / 3MHz / QPSK



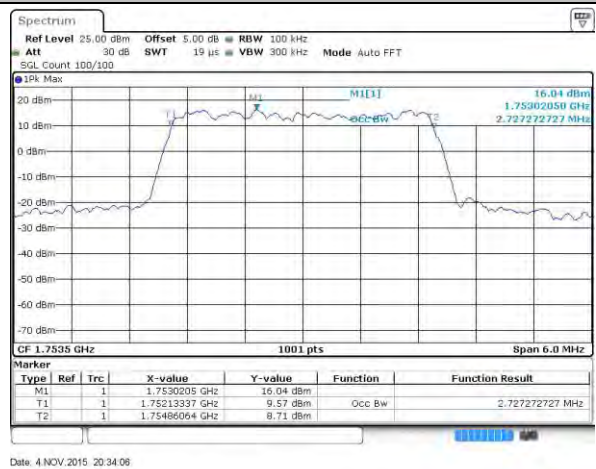
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



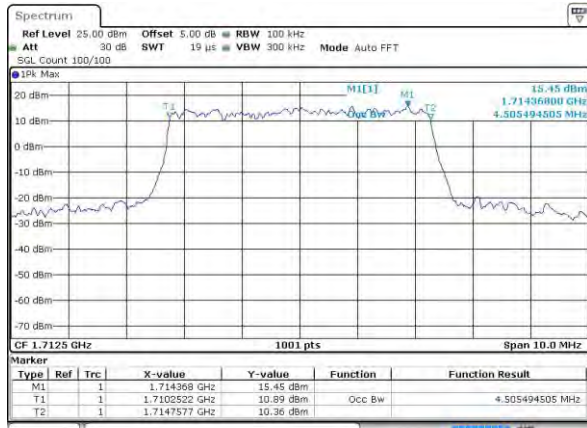
Highest Channel / 3MHz / 16QAM





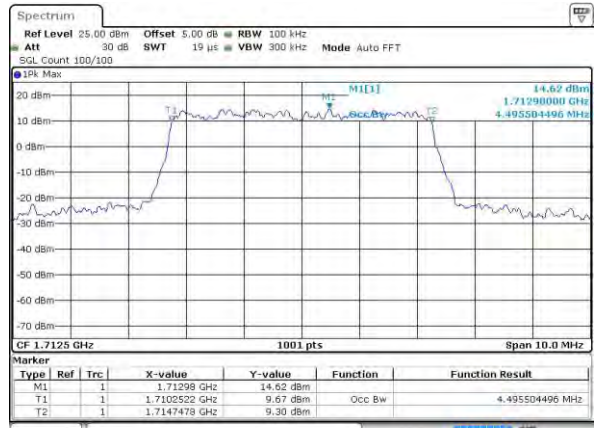
LTE Band 4

Lowest Channel / 5MHz / QPSK



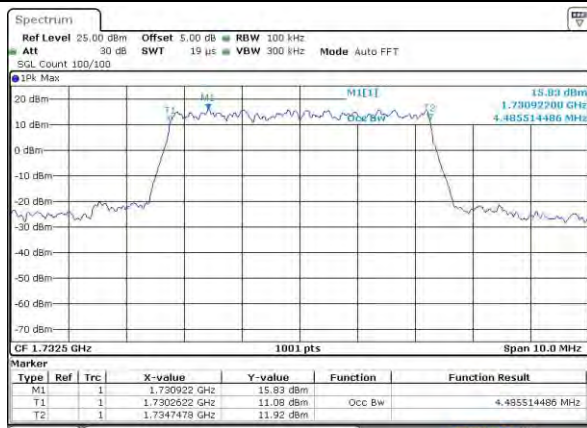
Date: 4 NOV 2015 20:41:00

Lowest Channel / 5MHz / 16QAM



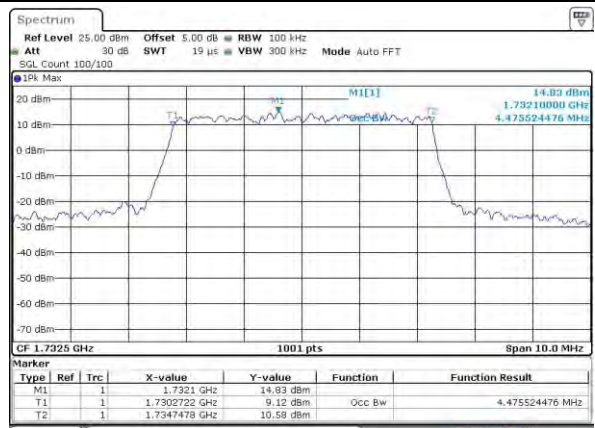
Date: 4 NOV 2015 20:41:11

Middle Channel / 5MHz / QPSK



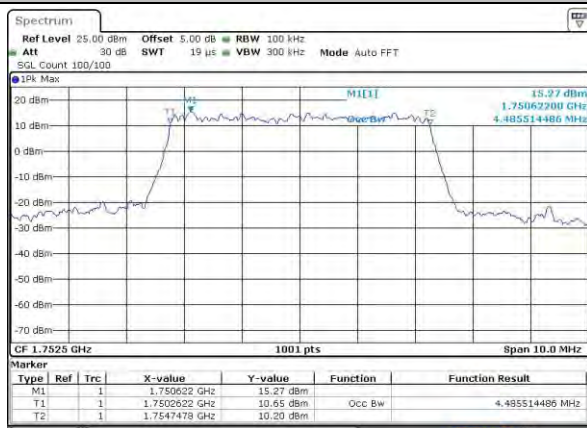
Date: 4 NOV 2015 20:48:05

Middle Channel / 5MHz / 16QAM



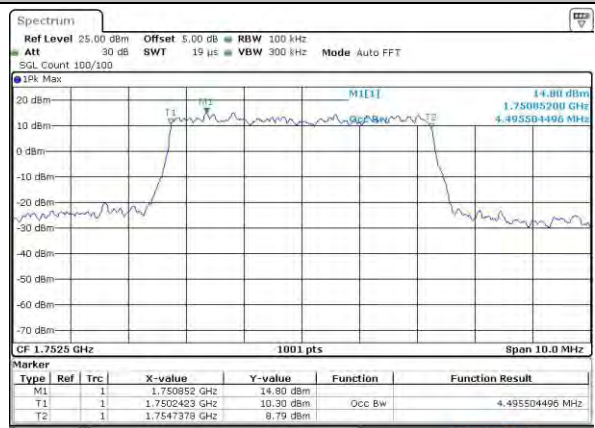
Date: 4 NOV 2015 20:48:16

Highest Channel / 5MHz / QPSK



Date: 4 NOV 2015 20:50:38

Highest Channel / 5MHz / 16QAM

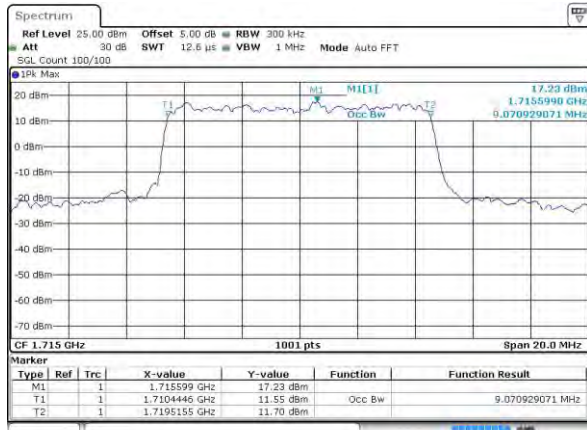


Date: 4 NOV 2015 20:50:45



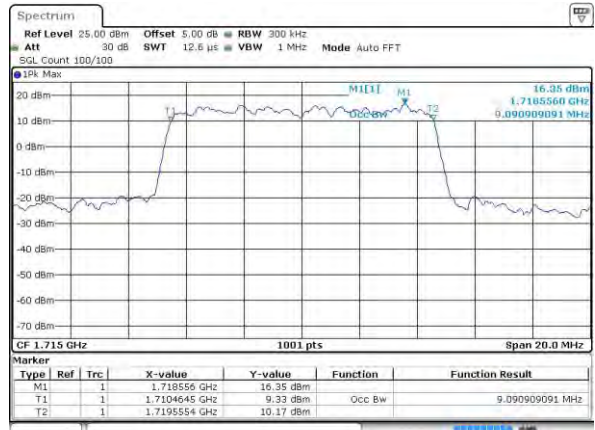
LTE Band 4

Lowest Channel / 10MHz / QPSK



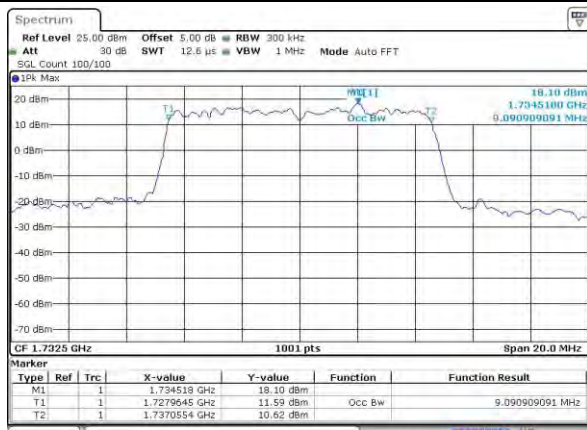
Date: 4 NOV 2015 20:57:44

Lowest Channel / 10MHz / 16QAM



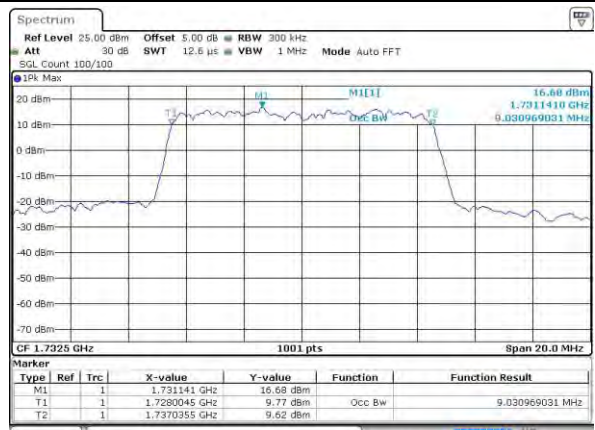
Date: 4 NOV 2015 20:57:54

Middle Channel / 10MHz / QPSK



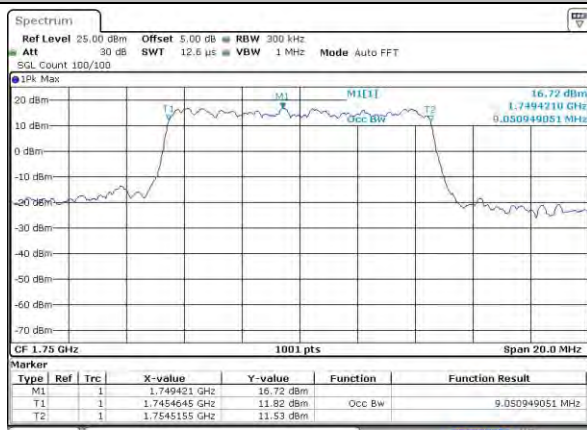
Date: 4 NOV 2015 21:04:50

Middle Channel / 10MHz / 16QAM



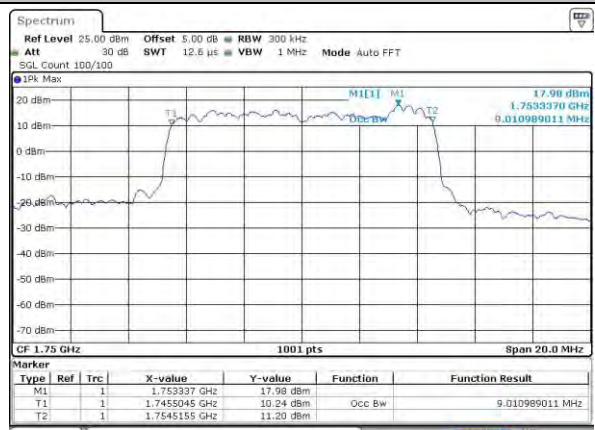
Date: 4 NOV 2015 21:05:01

Highest Channel / 10MHz / QPSK



Date: 4 NOV 2015 21:07:23

Highest Channel / 10MHz / 16QAM

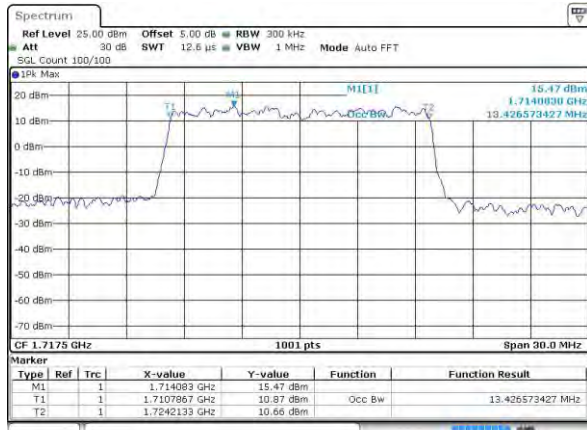


Date: 4 NOV 2015 21:07:34

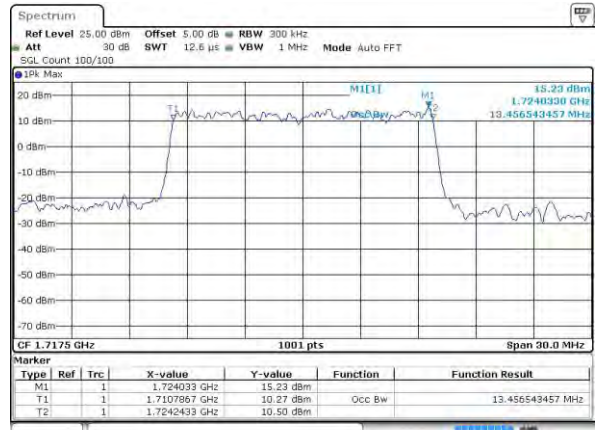


LTE Band 4

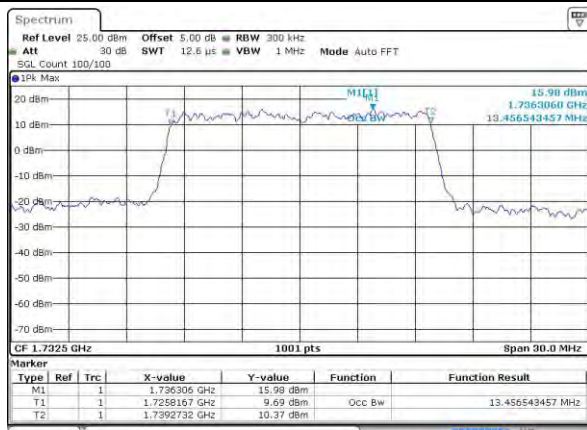
Lowest Channel / 15MHz / QPSK



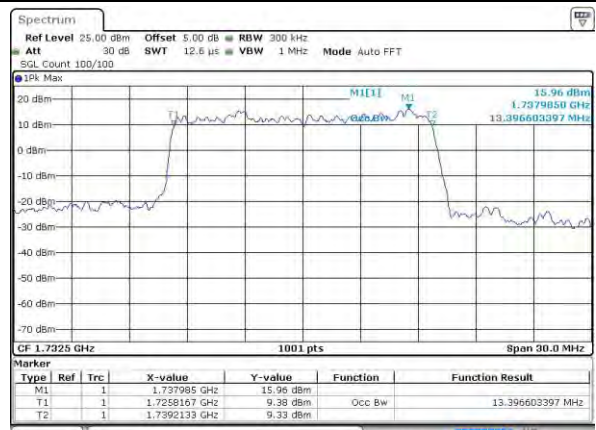
Lowest Channel / 15MHz / 16QAM



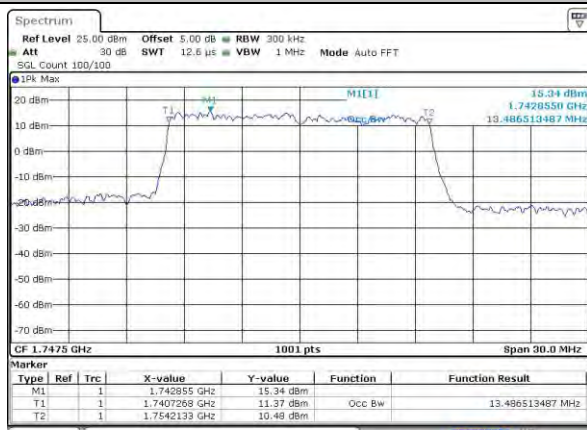
Middle Channel / 15MHz / QPSK



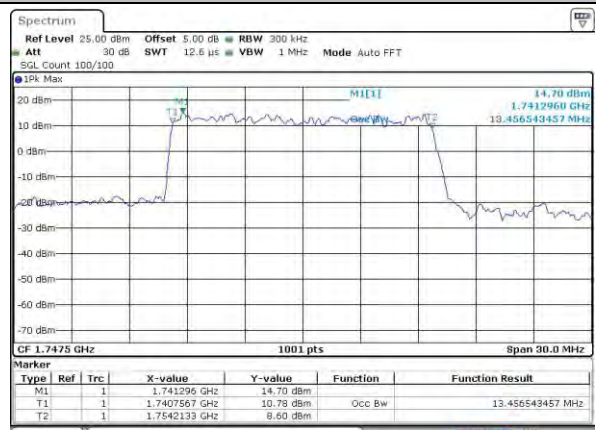
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



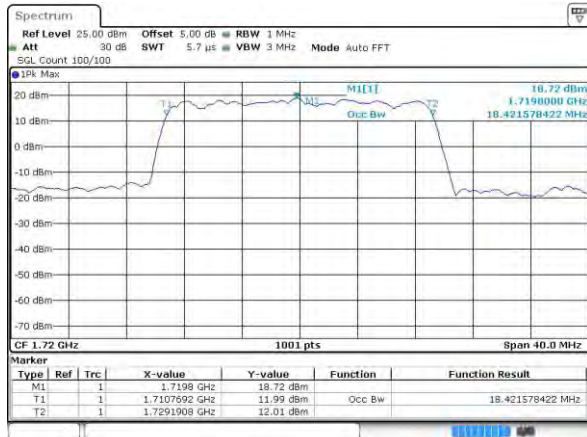
Highest Channel / 15MHz / 16QAM



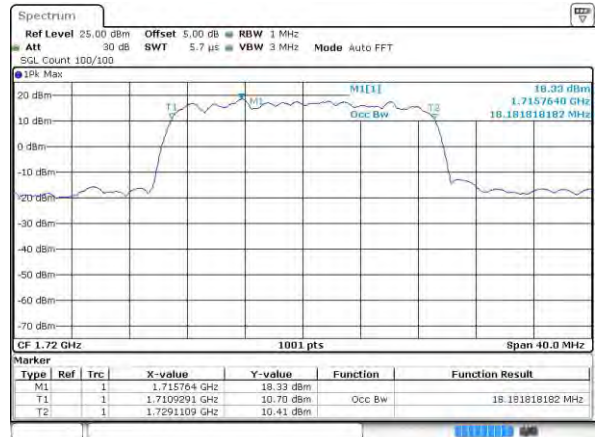


LTE Band 4

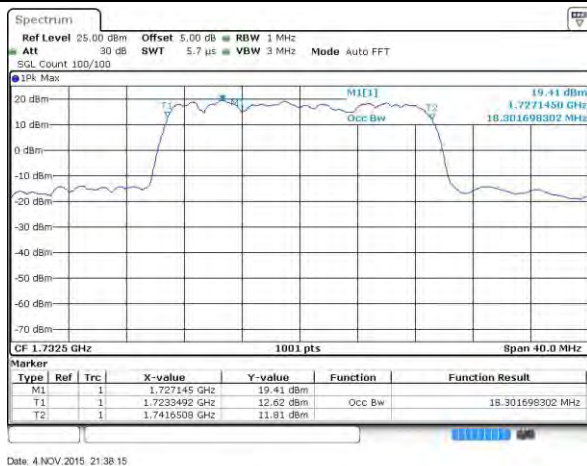
Lowest Channel / 20MHz / QPSK



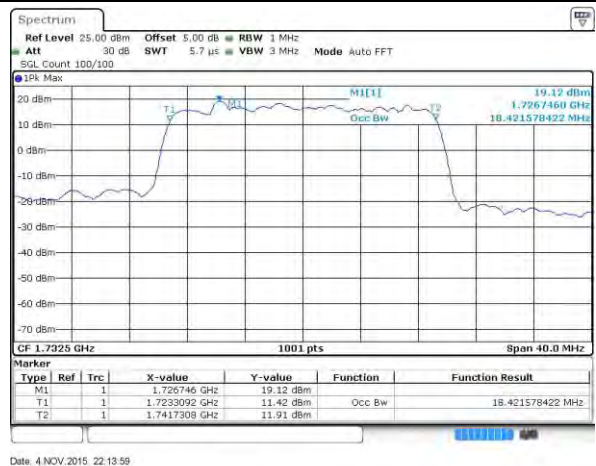
Lowest Channel / 20MHz / 16QAM



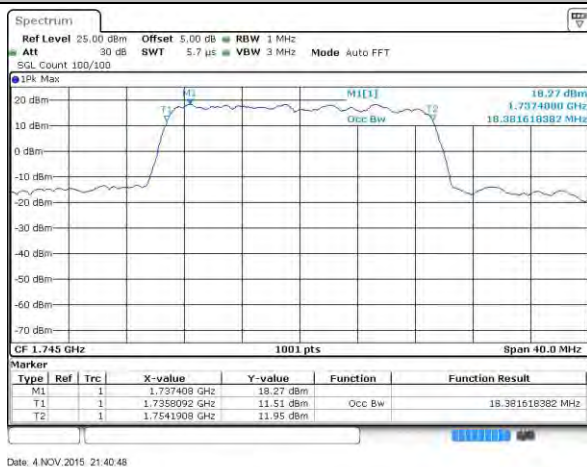
Middle Channel / 20MHz / QPSK



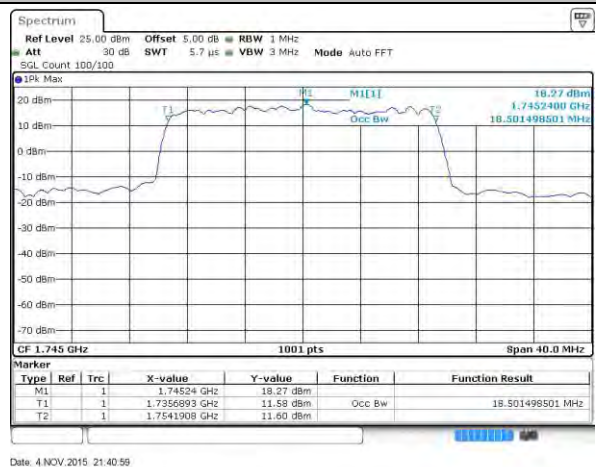
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



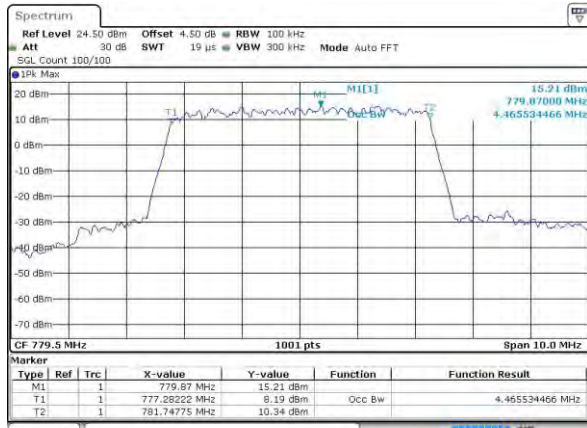
Highest Channel / 20MHz / 16QAM





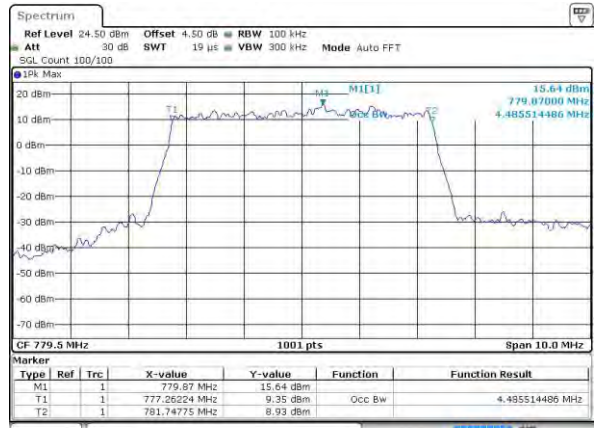
LTE Band 13

Lowest Channel / 5MHz / QPSK



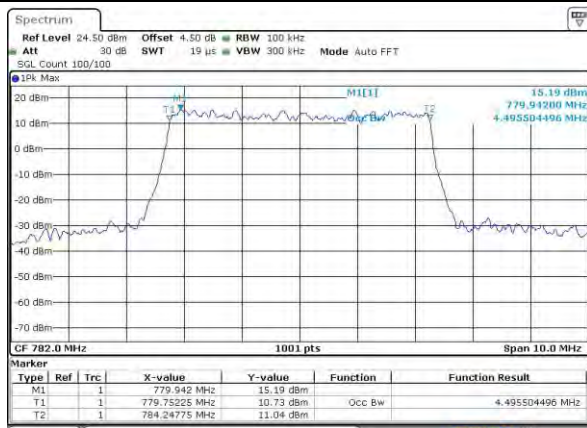
Date: 5 NOV 2015 00:42:20

Lowest Channel / 5MHz / 16QAM



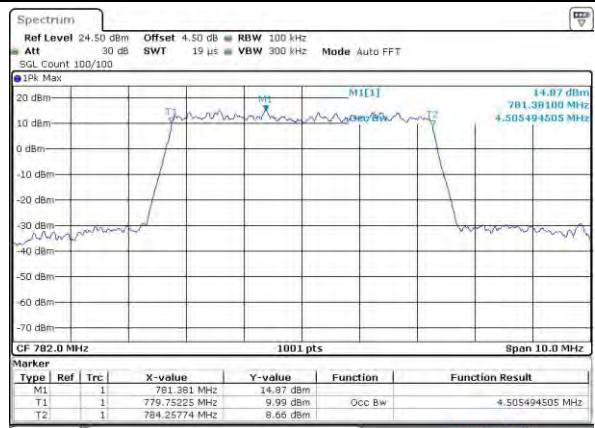
Date: 5 NOV 2015 00:42:09

Middle Channel / 5MHz / QPSK



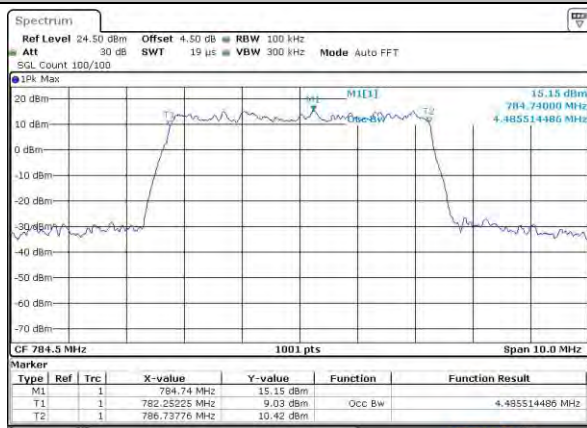
Date: 5 NOV 2015 00:49:14

Middle Channel / 5MHz / 16QAM



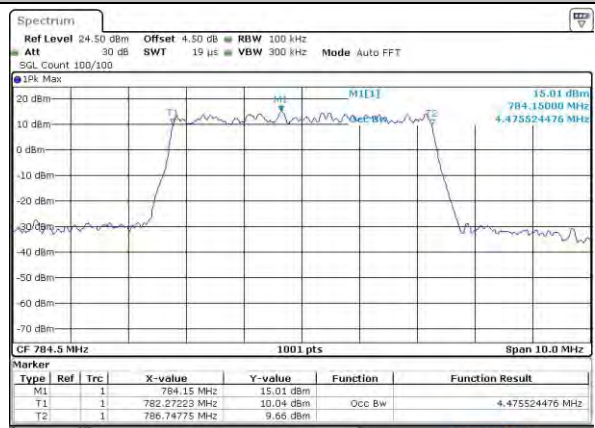
Date: 5 NOV 2015 00:49:24

Highest Channel / 5MHz / QPSK



Date: 5 NOV 2015 00:51:45

Highest Channel / 5MHz / 16QAM

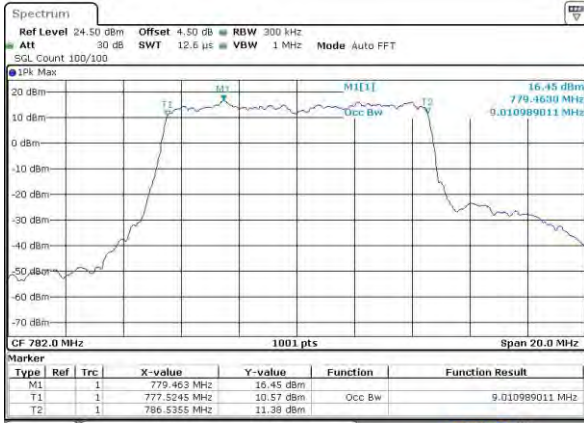


Date: 5 NOV 2015 00:51:56



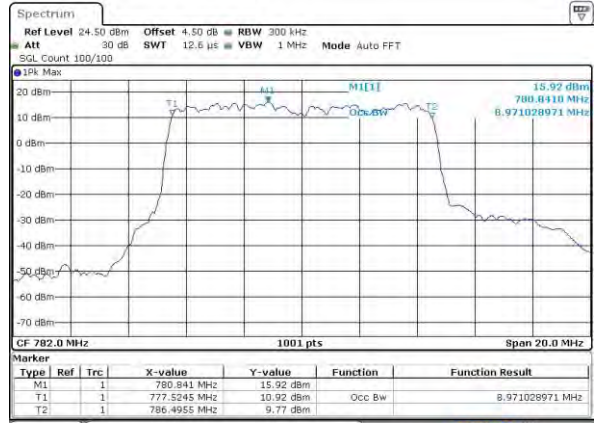
LTE Band 13

Middle Channel / 10MHz / QPSK

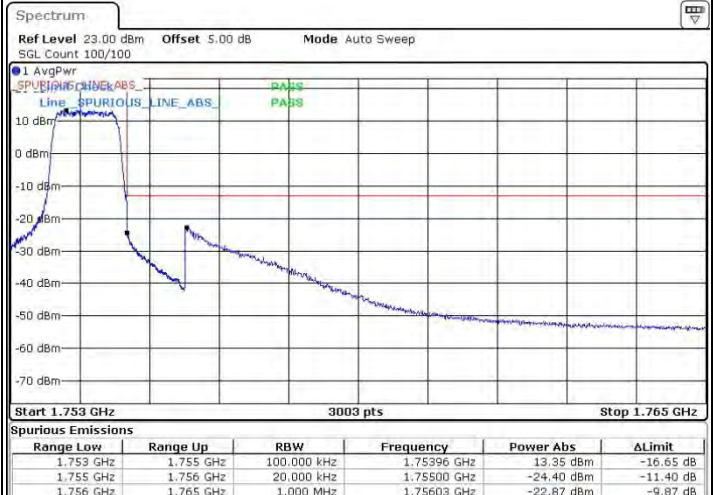


Date: 5 NOV 2015 01:00:40

Middle Channel / 10MHz / 16QAM



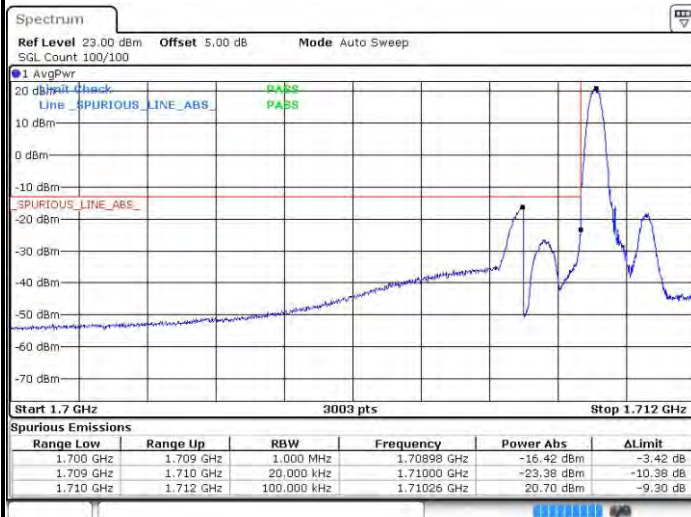
Date: 5 NOV 2015 01:00:50

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

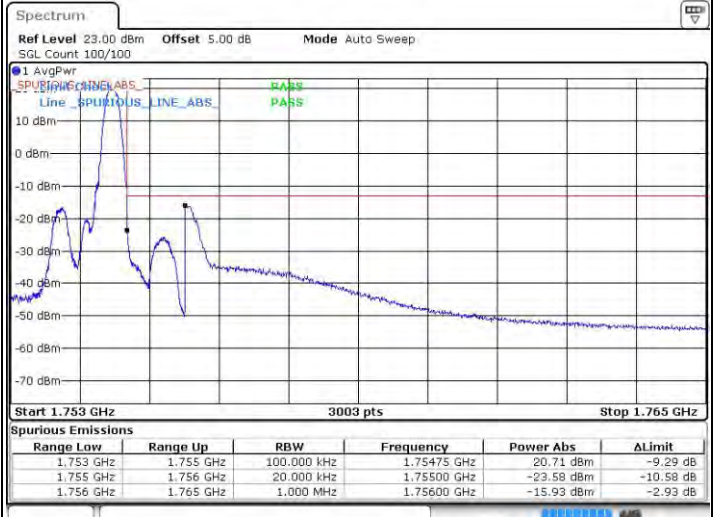


LTE Band 4 / 1.4MHz / 16QAM

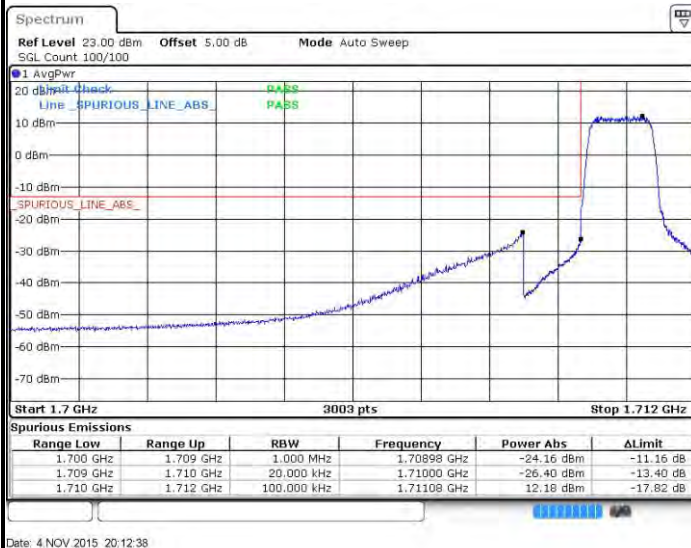
Lowest Band Edge / 1 RB



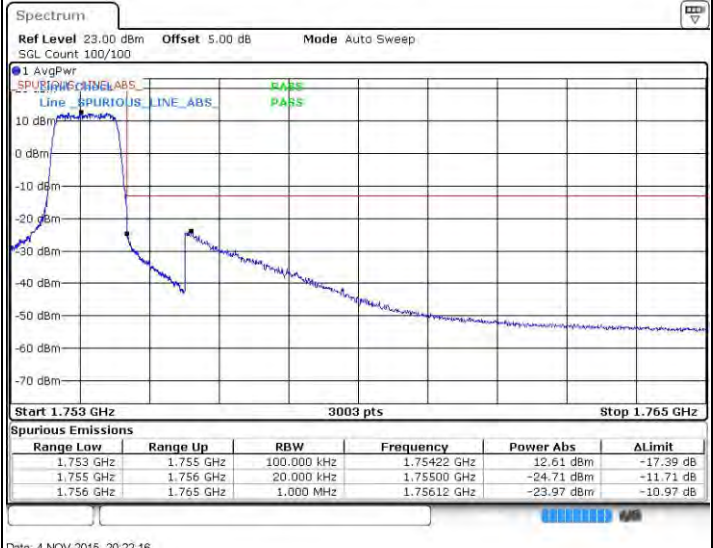
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



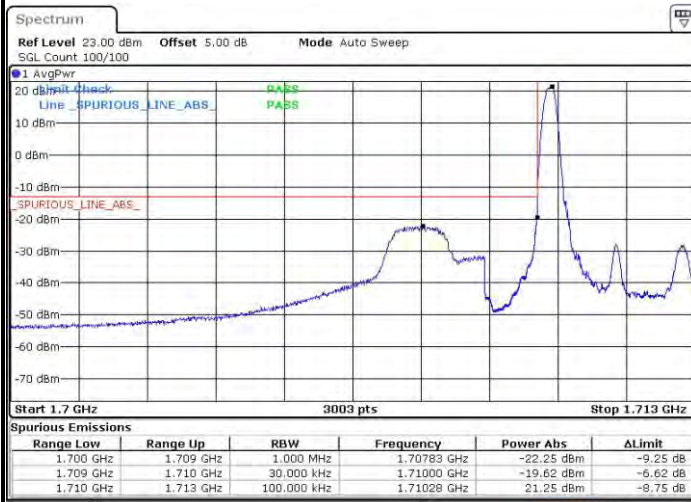
Highest Band Edge / Full RB



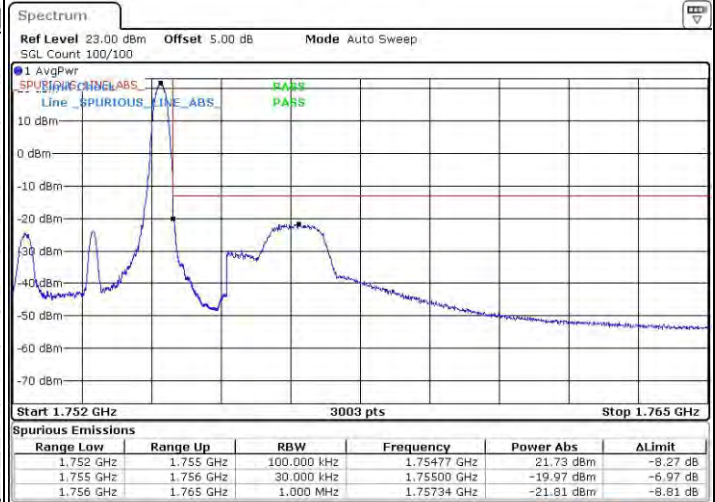


LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



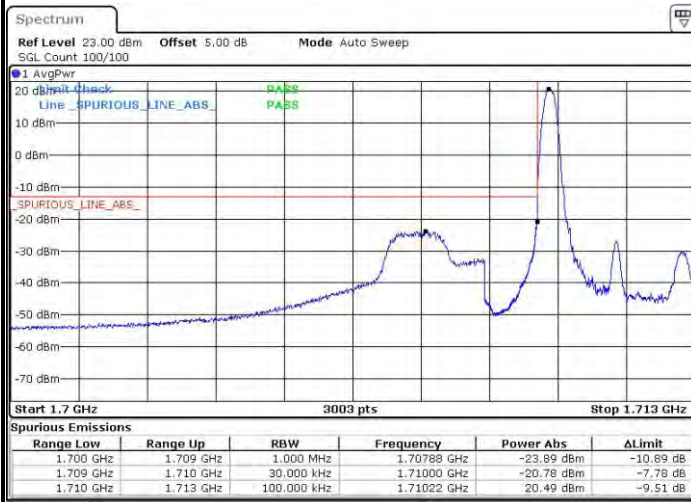
Highest Band Edge / Full RB



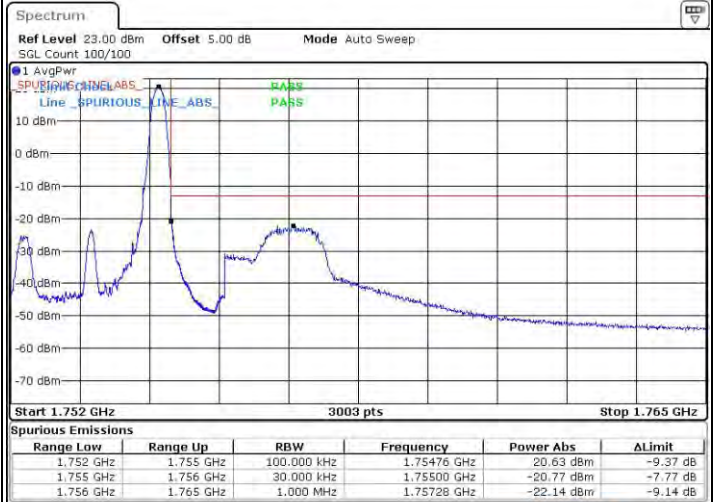


LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



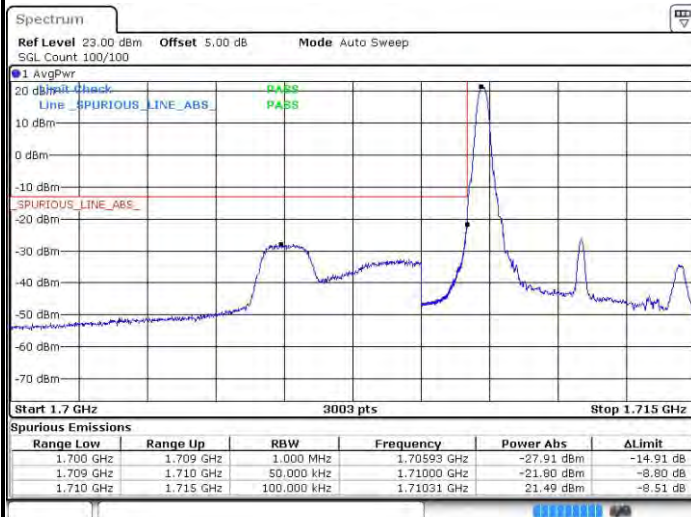
Highest Band Edge / Full RB



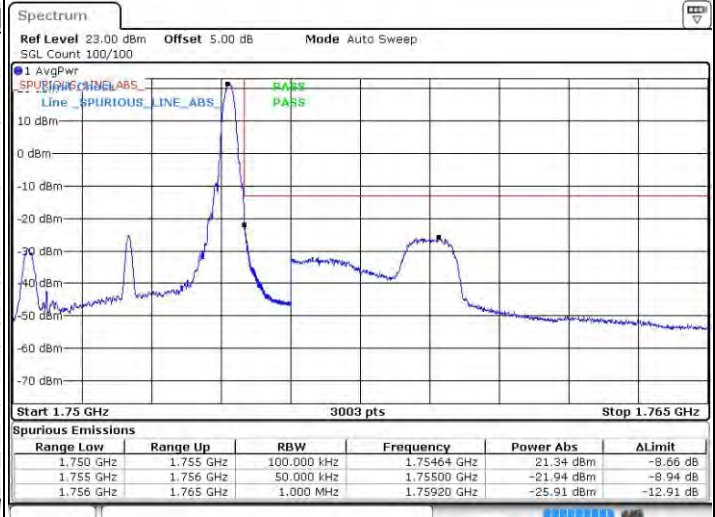


LTE Band 4 / 5MHz / QPSK

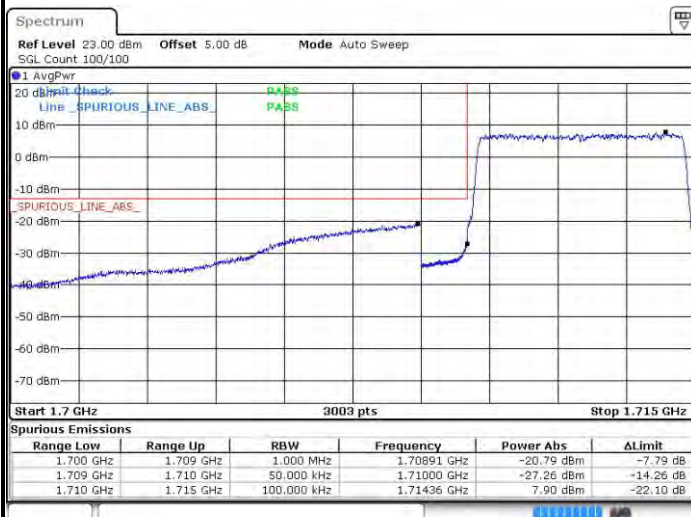
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



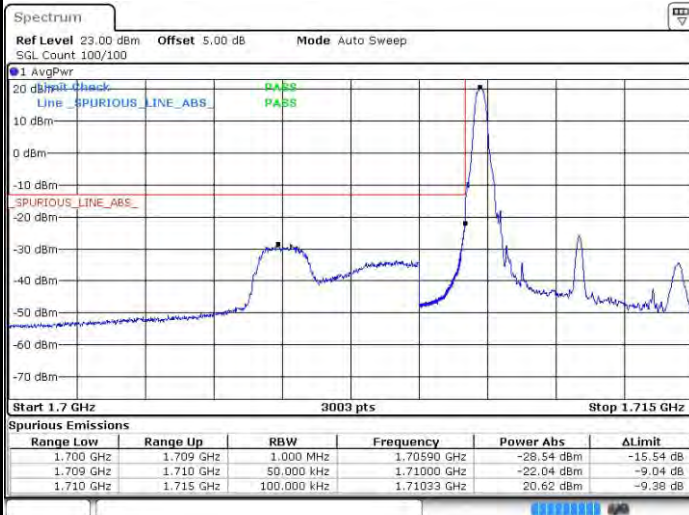
Highest Band Edge / Full RB



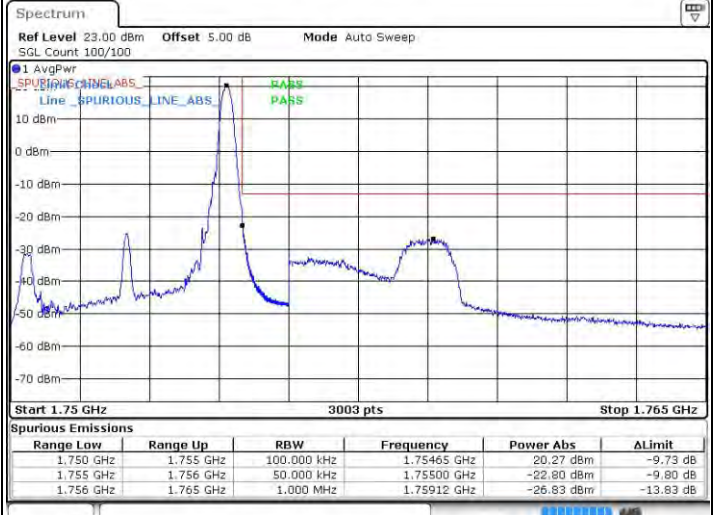


LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



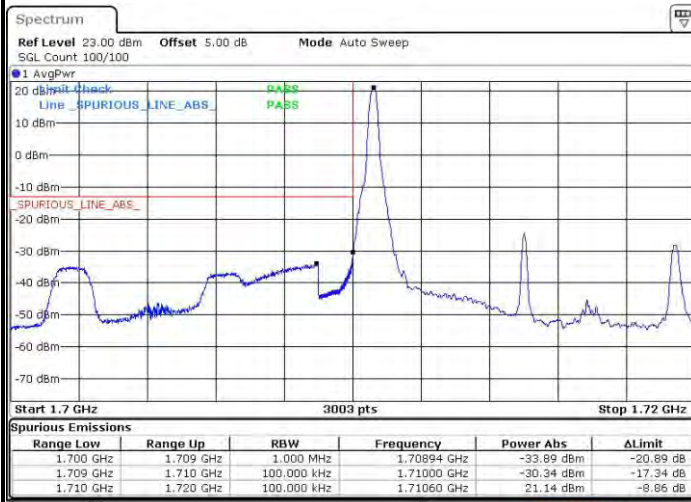
Highest Band Edge / Full RB



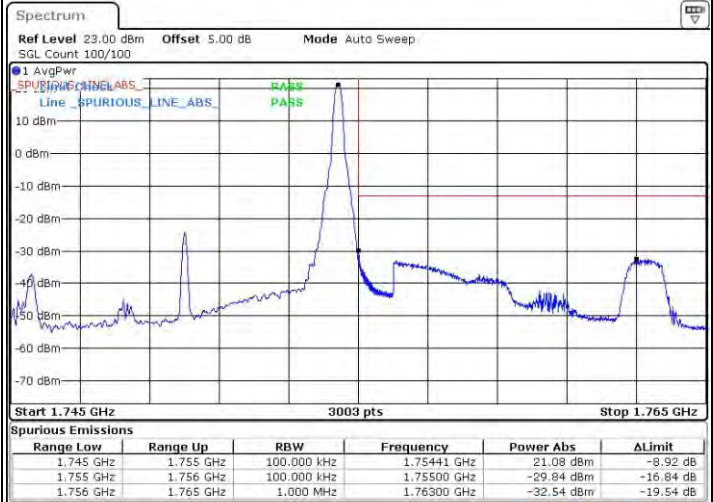


LTE Band 4 / 10MHz / QPSK

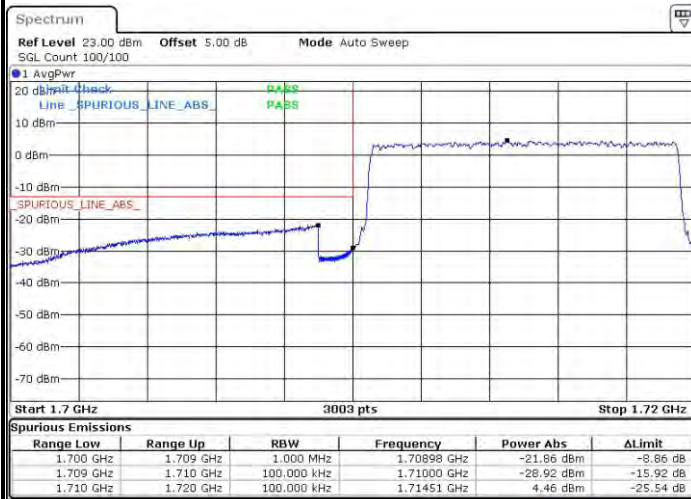
Lowest Band Edge / 1 RB



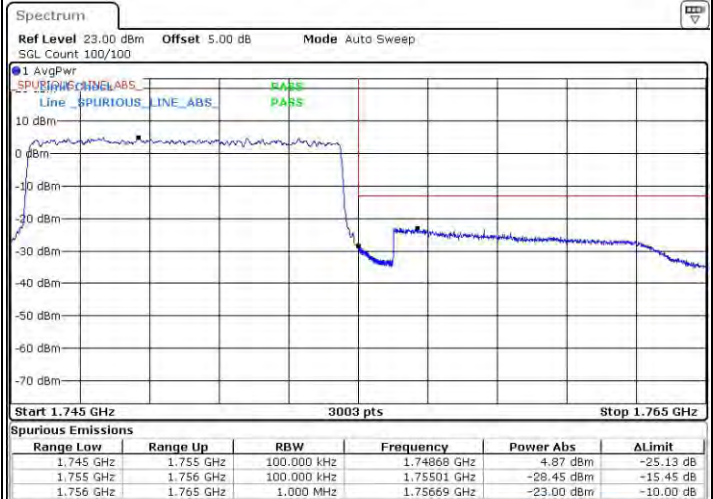
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



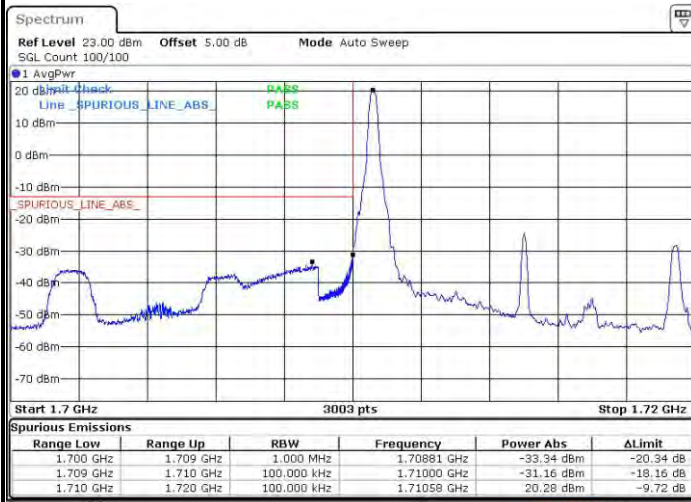
Highest Band Edge / Full RB



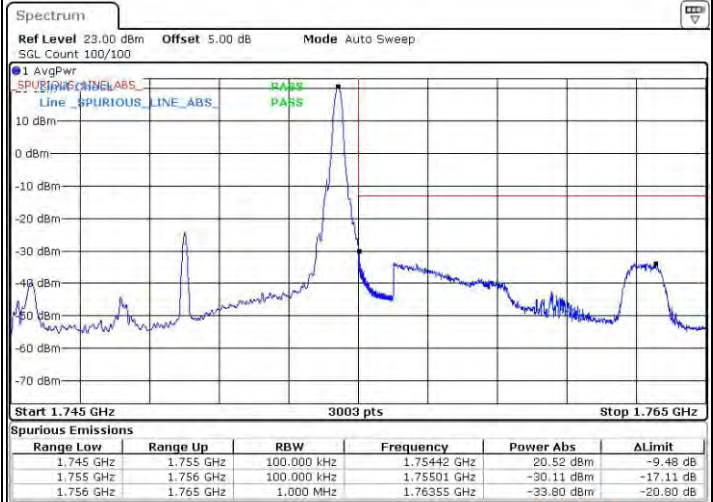


LTE Band 4 / 10MHz / 16QAM

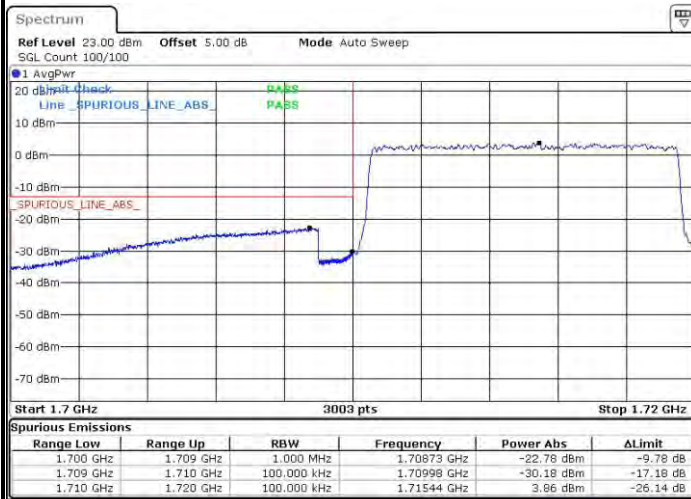
Lowest Band Edge / 1 RB



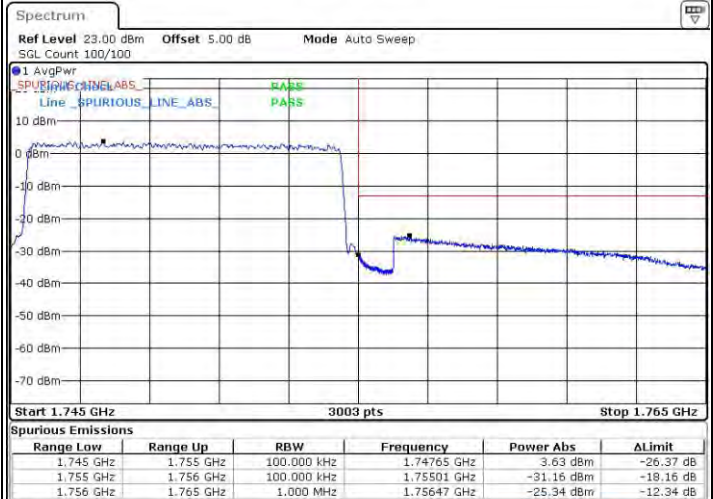
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



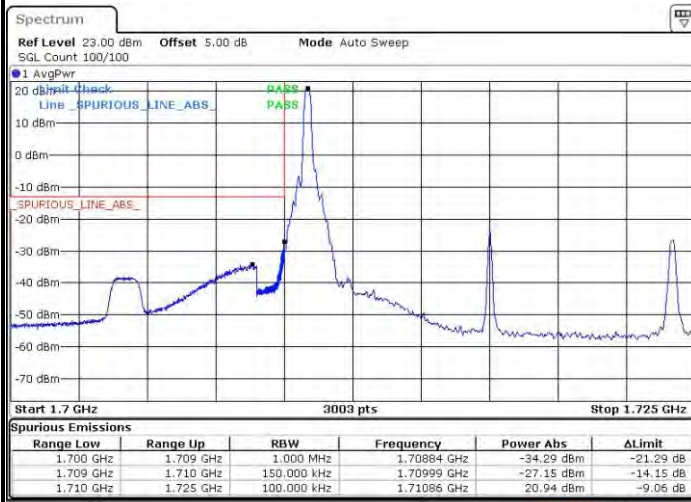
Highest Band Edge / Full RB



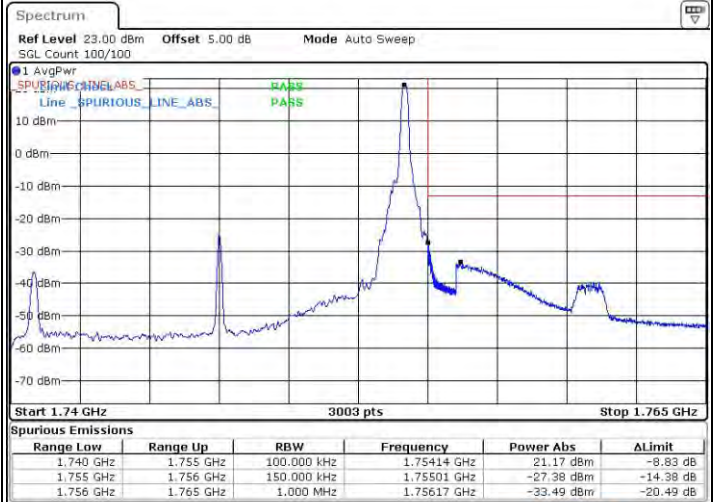


LTE Band 4 / 15MHz / QPSK

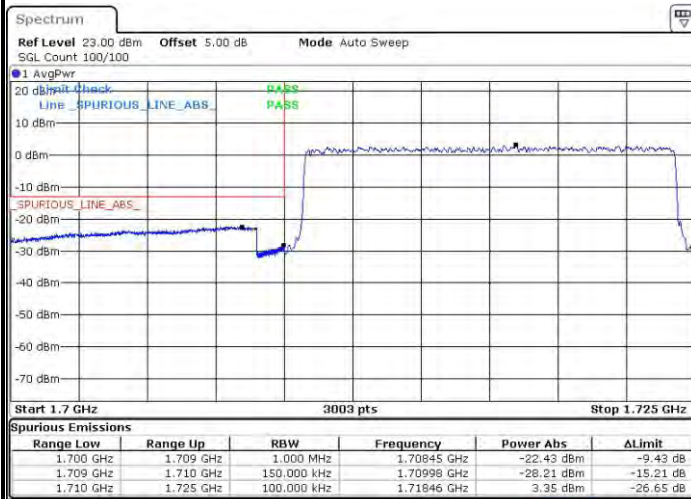
Lowest Band Edge / 1 RB



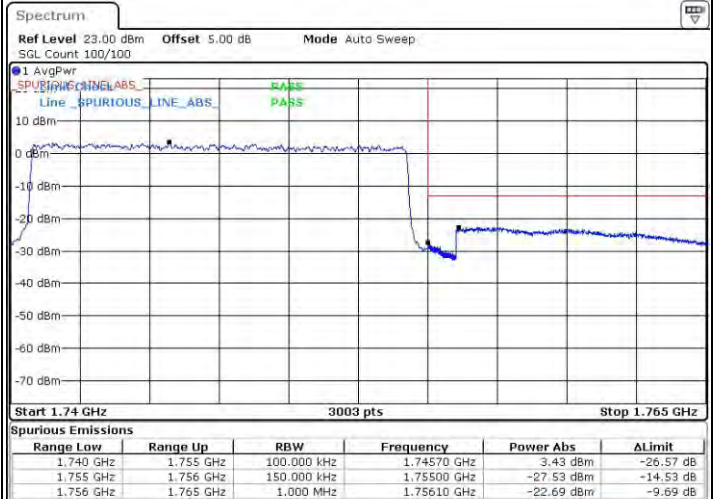
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



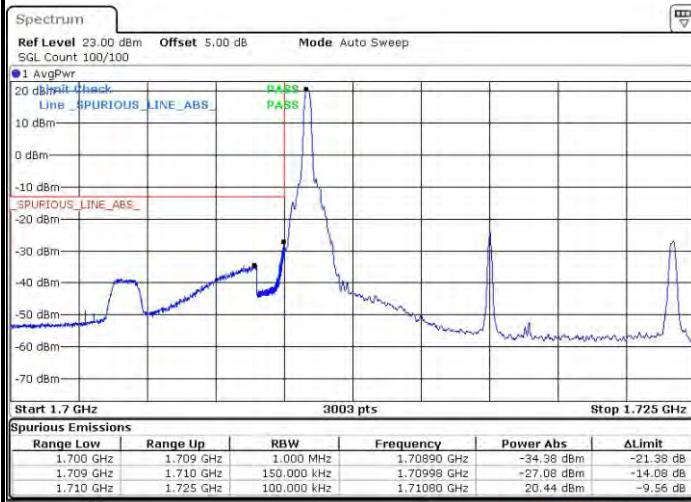
Highest Band Edge / Full RB



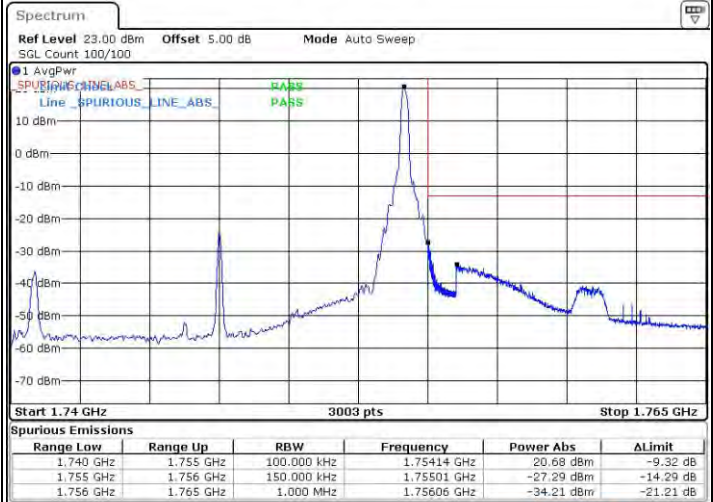


LTE Band 4 / 15MHz / 16QAM

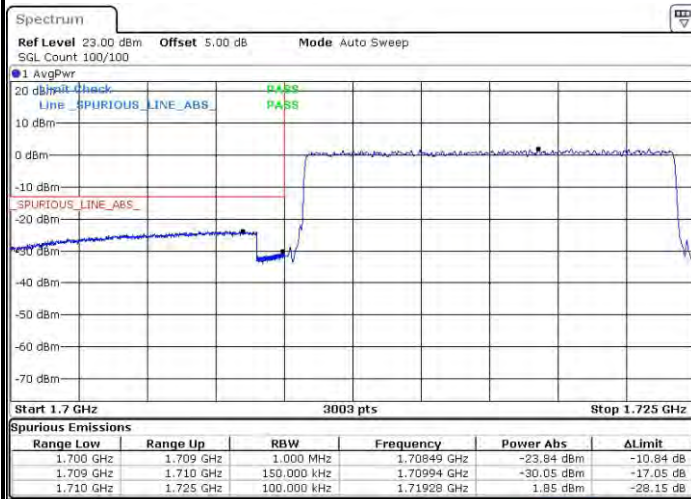
Lowest Band Edge / 1 RB



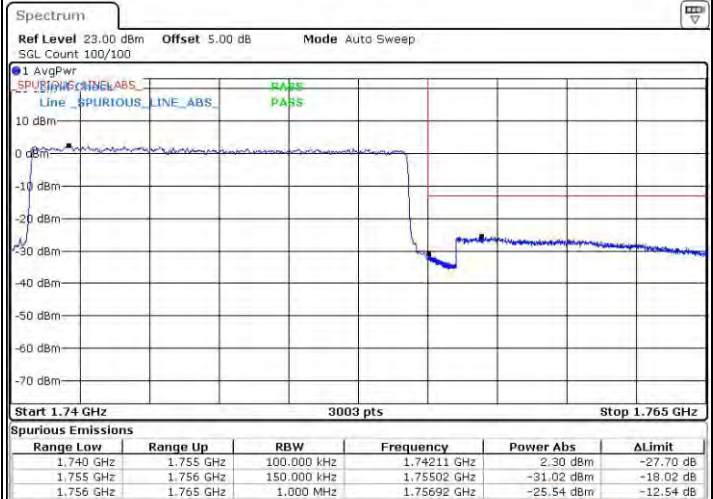
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



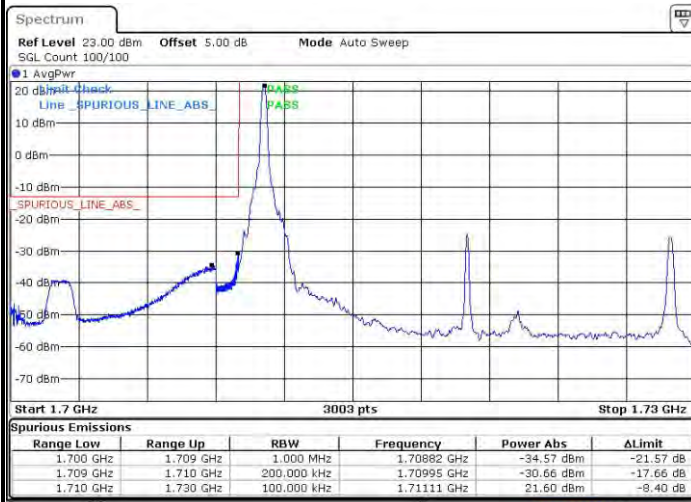
Highest Band Edge / Full RB



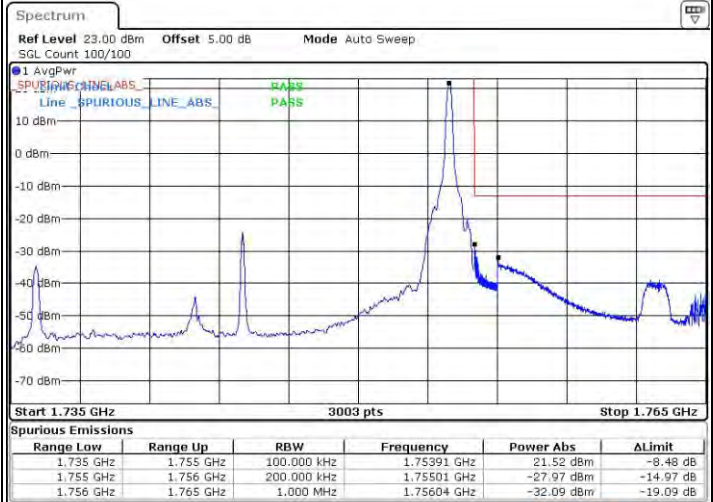


LTE Band 4 / 20MHz / QPSK

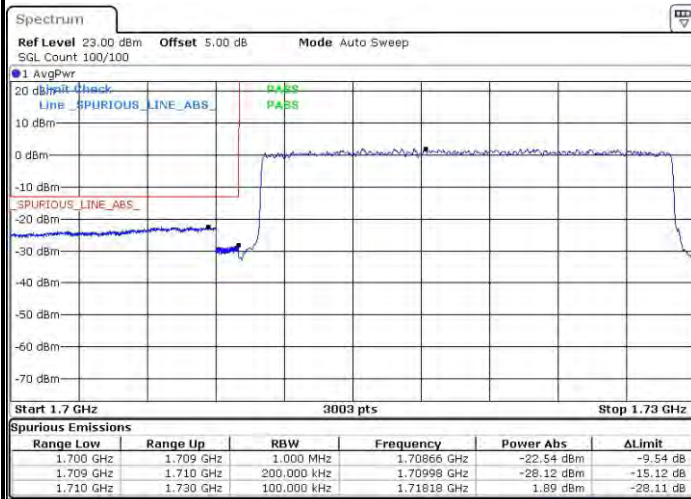
Lowest Band Edge / 1 RB



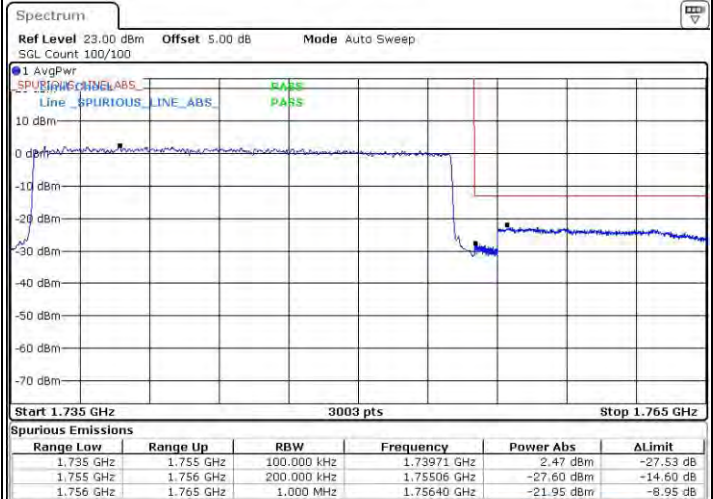
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



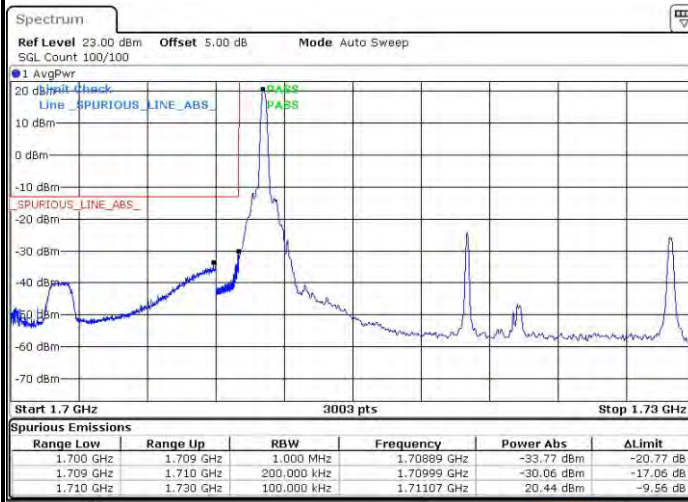
Highest Band Edge / Full RB



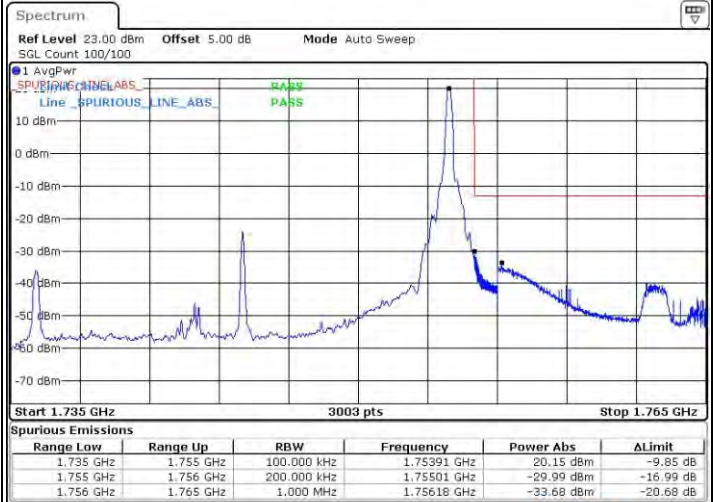


LTE Band 4 / 20MHz / 16QAM

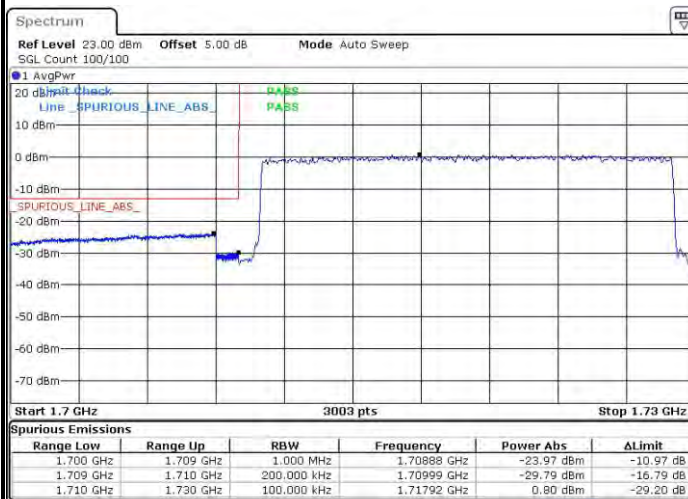
Lowest Band Edge / 1 RB



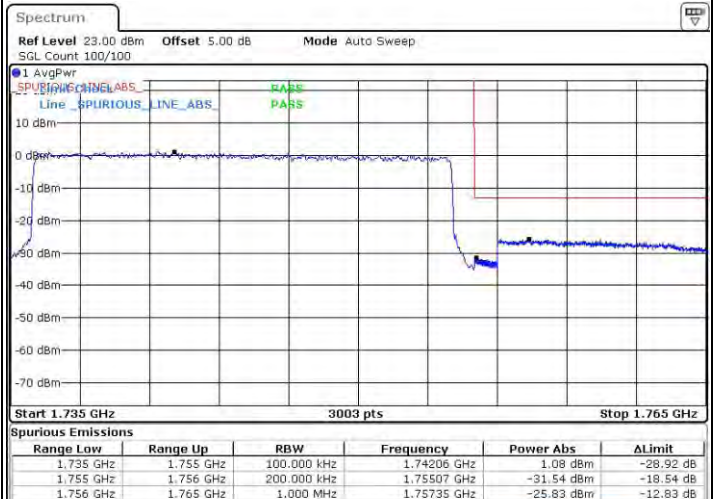
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



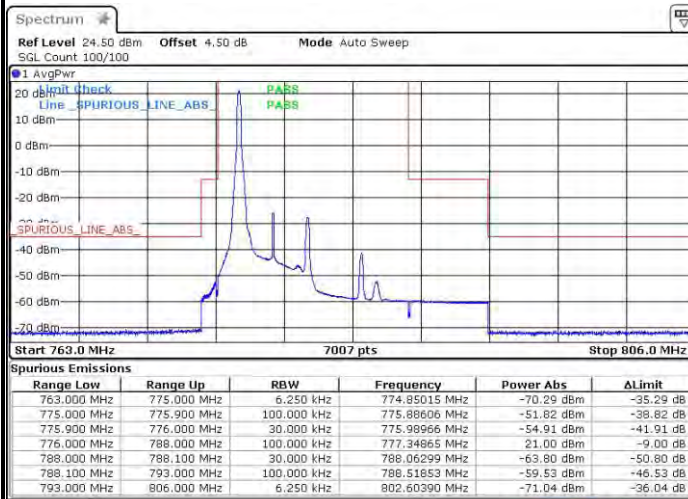
Highest Band Edge / Full RB





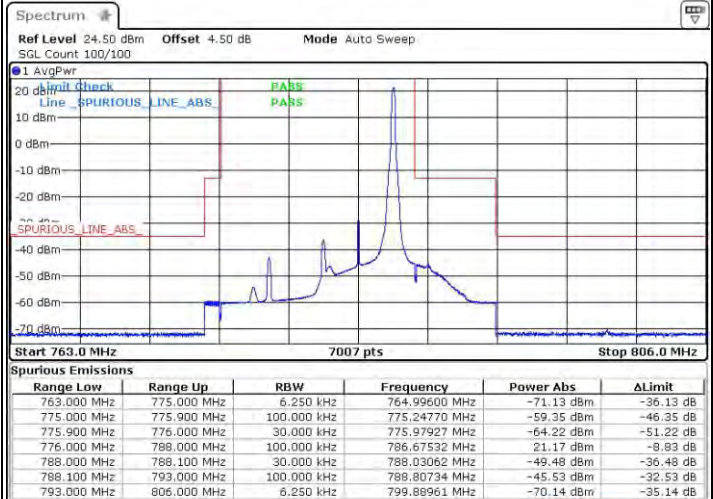
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



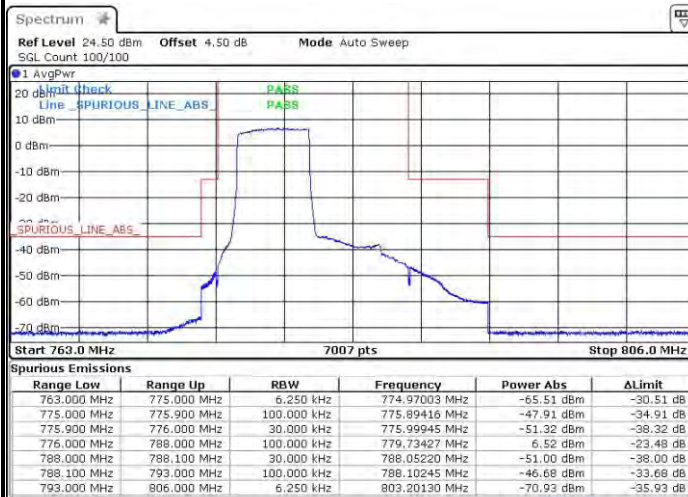
Date: 5 NOV 2015 01:23:32

Highest Band Edge / 1 RB



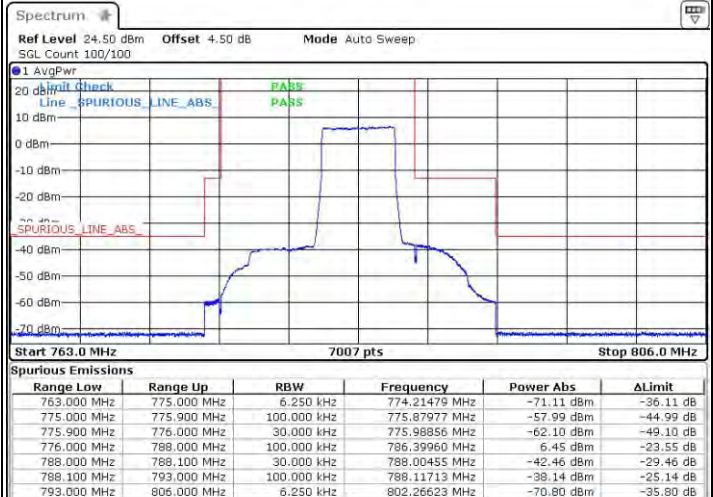
Date: 5 NOV 2015 01:33:10

Lowest Band Edge / Full RB



Date: 5 NOV 2015 01:25:24

Highest Band Edge / Full RB

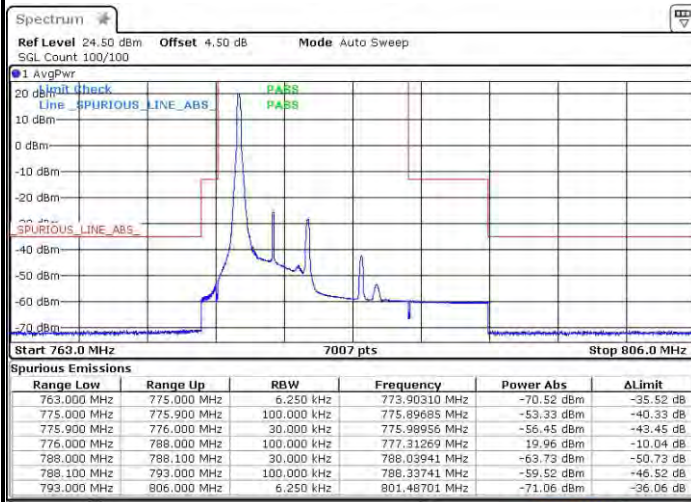


Date: 5 NOV 2015 01:30:37

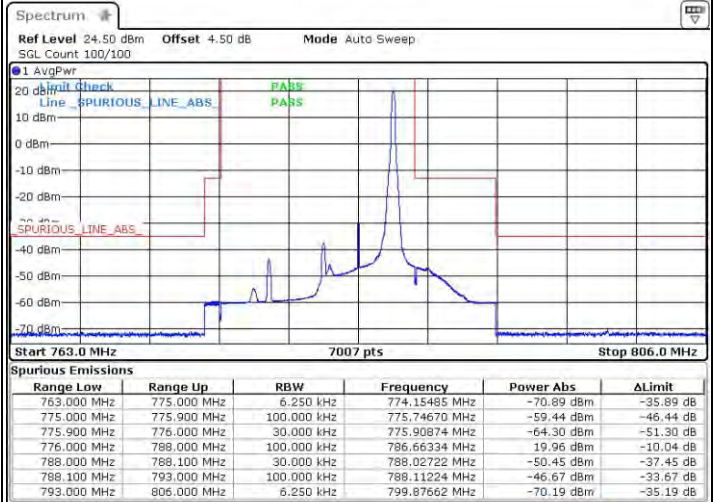


LTE Band 13 / 5MHz / 16QAM

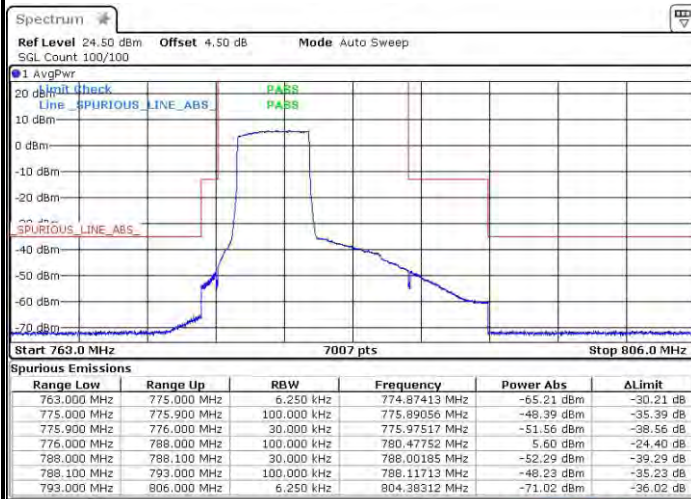
Lowest Band Edge /1 RB



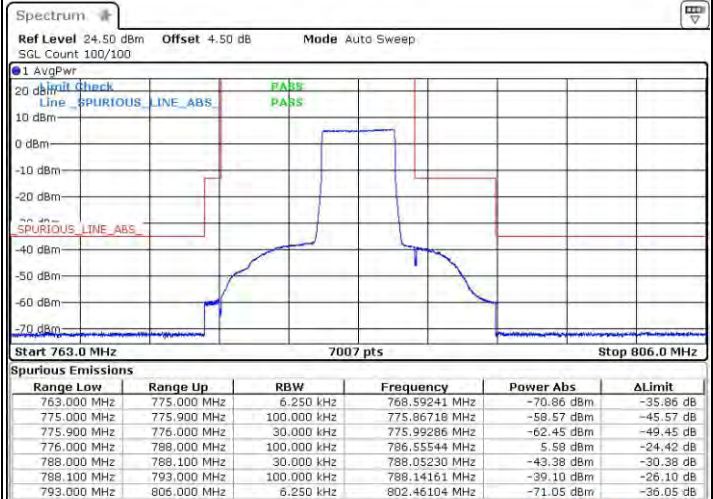
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



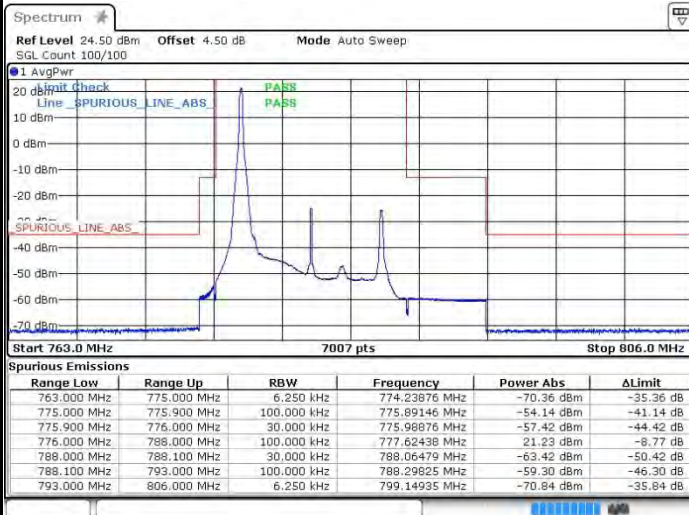
Highest Band Edge / Full RB



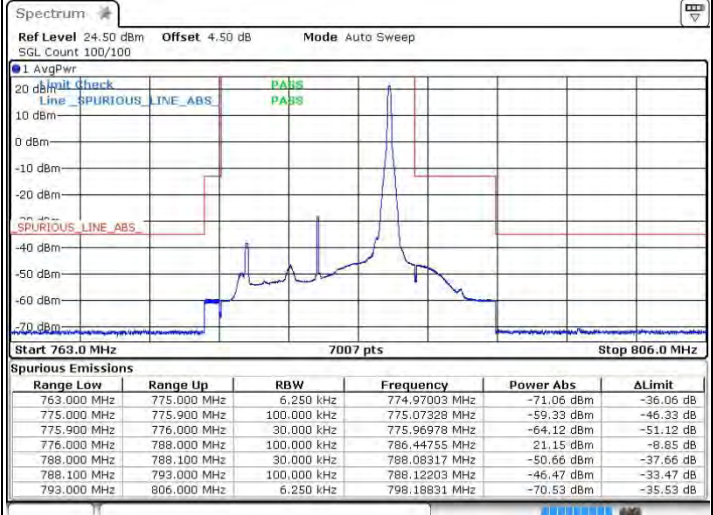


LTE Band 13 / 10MHz / QPSK

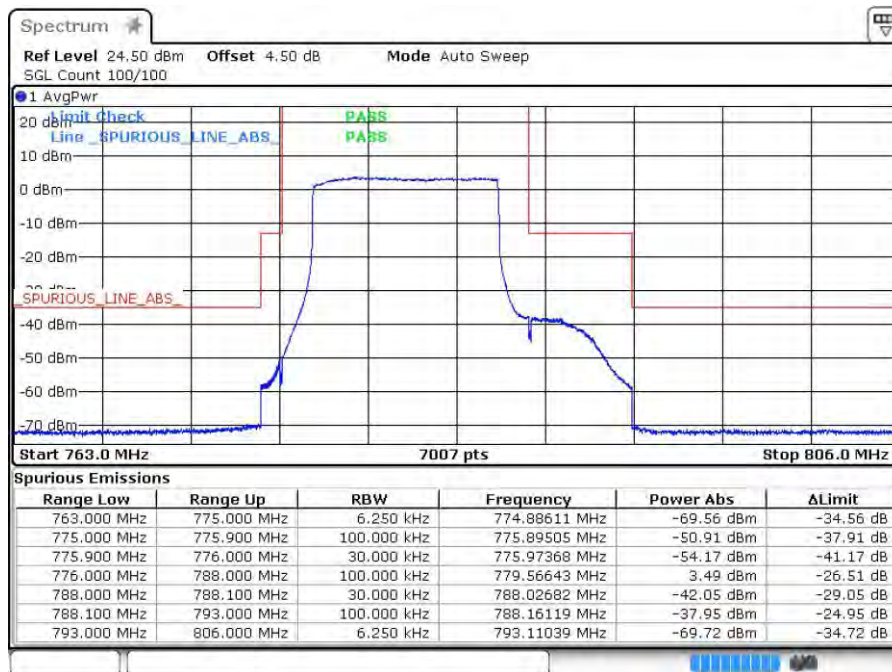
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



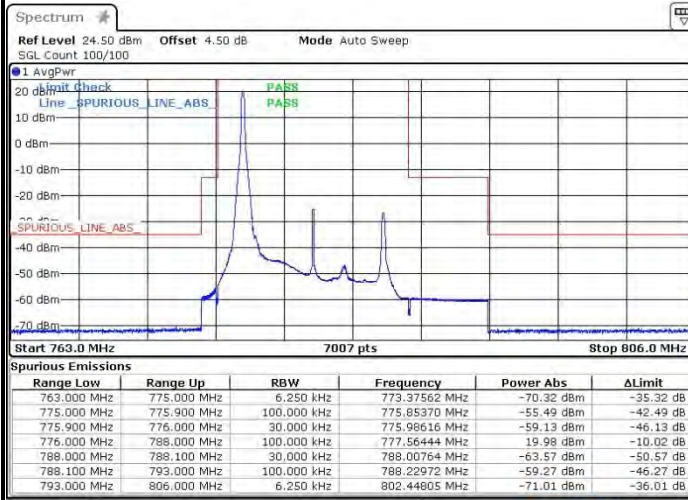
Band Edge / Full RB





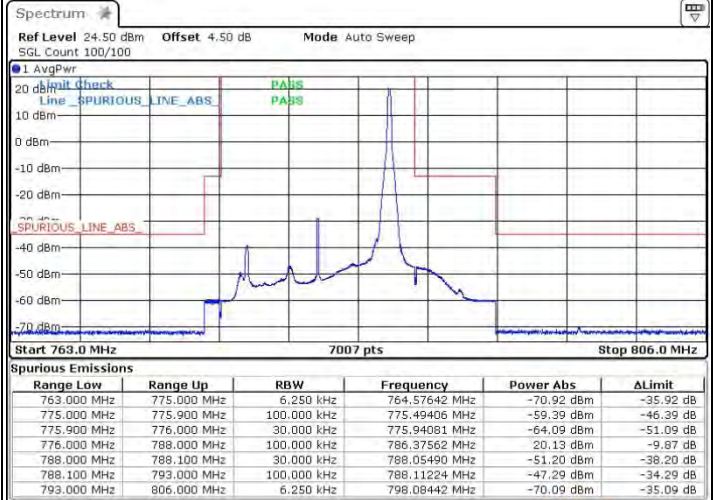
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



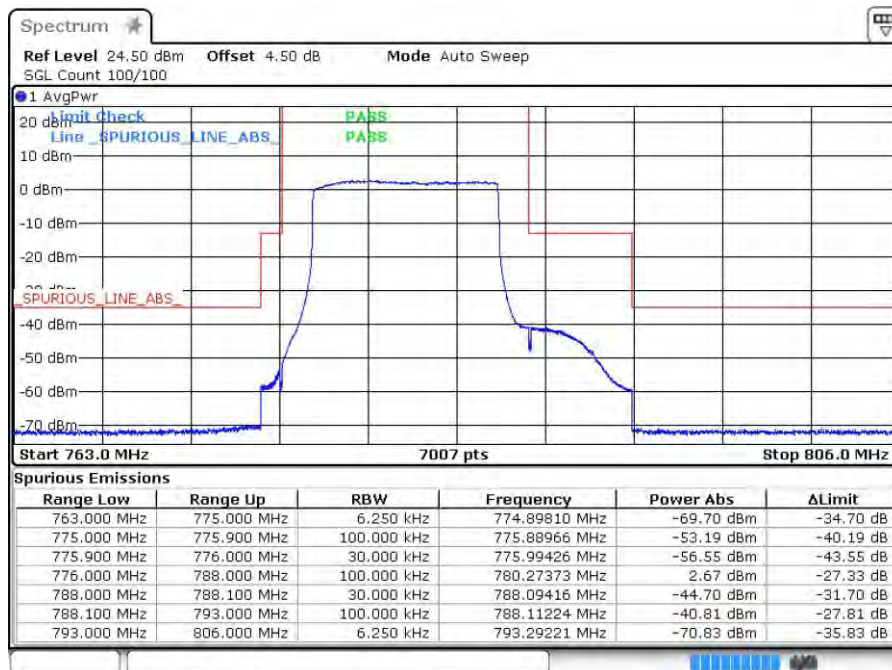
Date: 5.NOV.2015 01:41:27

Highest Band Edge / 1 RB



Date: 5 NOV 2015 01:48:48

Band Edge / Full RB



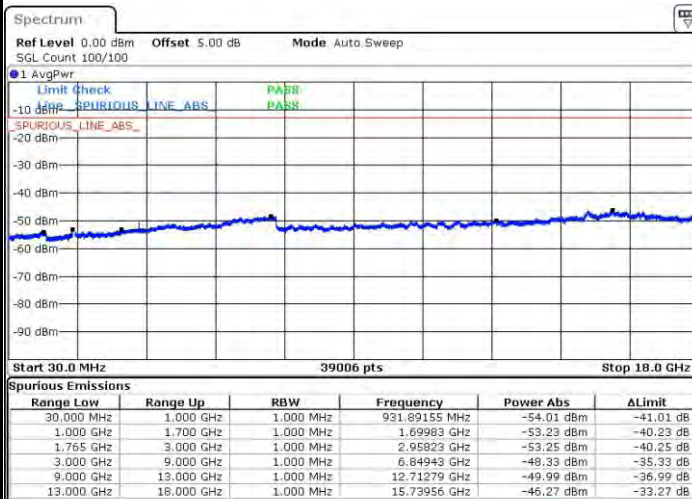
Date: 5.NOV.2015 01:50:39



Conducted Spurious Emission

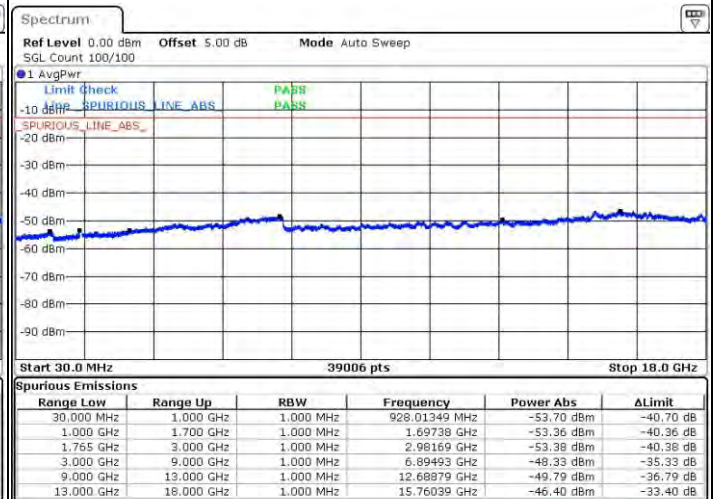
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



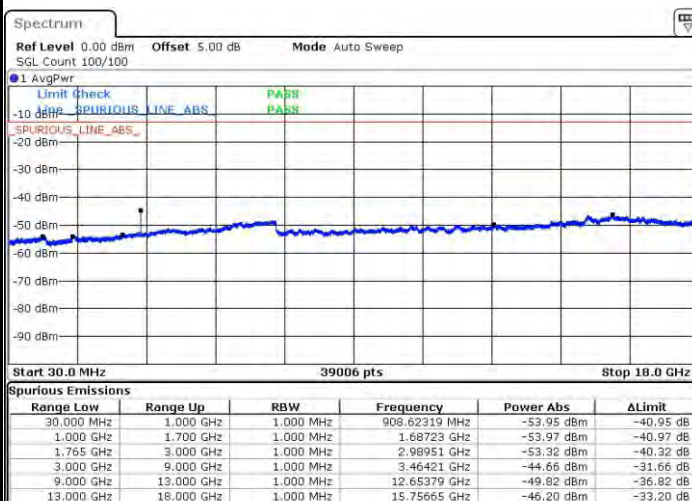
Date: 4.NOV.2015 20:13:32

Lowest Channel / 16QAM



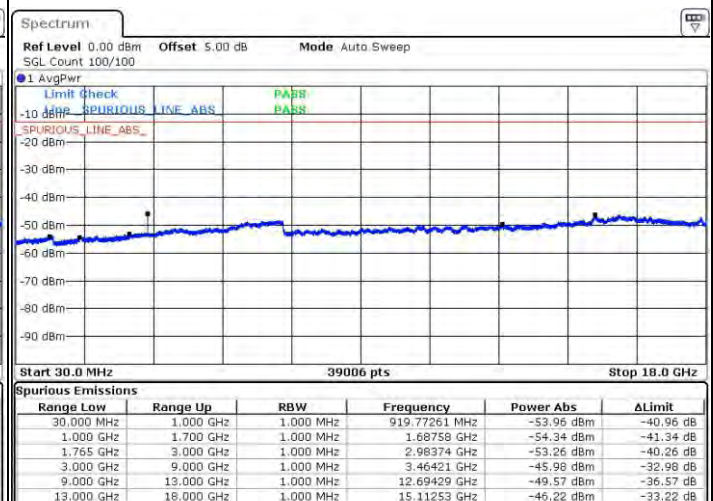
Date: 4.NOV.2015 20:14:28

Middle Channel / QPSK



Date: 4.NOV.2015 20:16:05

Middle Channel / 16QAM

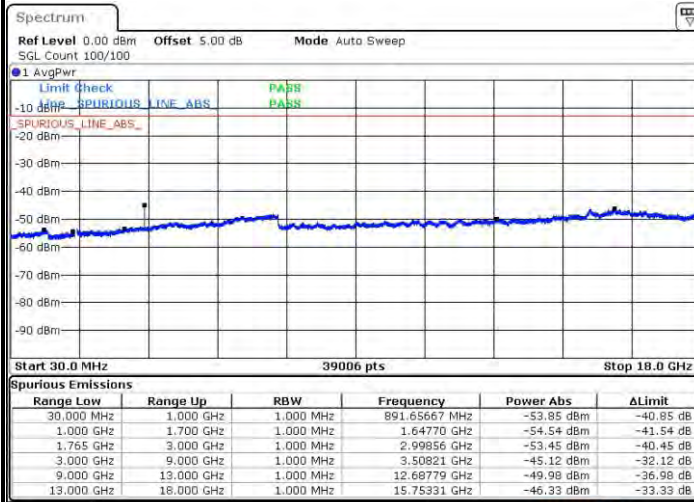


Date: 4.NOV.2015 20:17:01



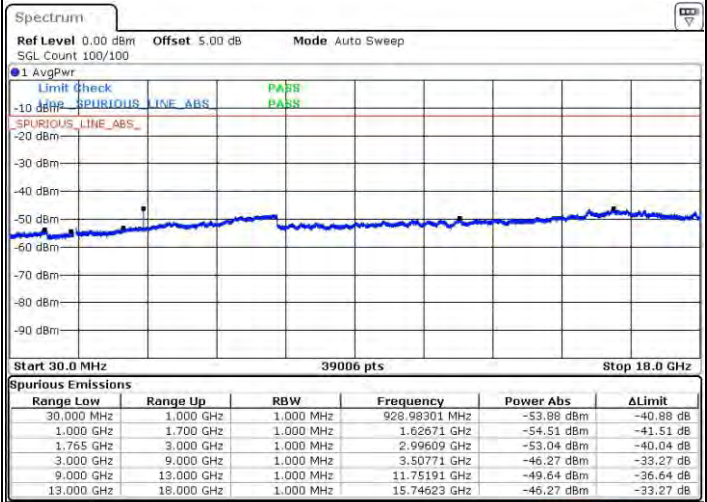
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 4 NOV 2015 20:23:10

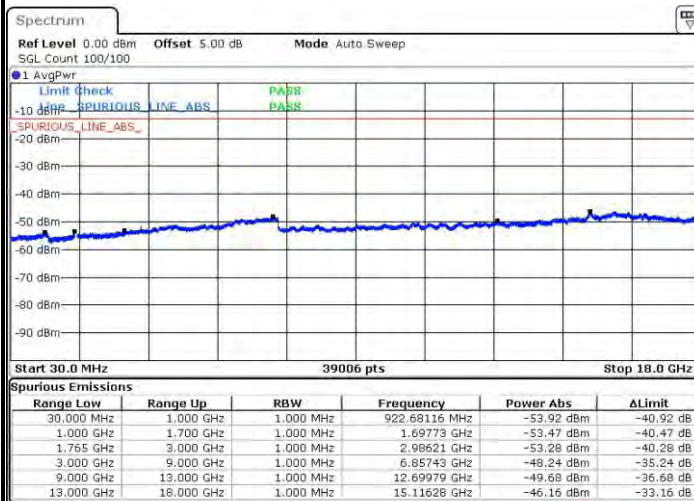
Highest Channel / 16QAM



Date: 4 NOV 2015 20:24:06

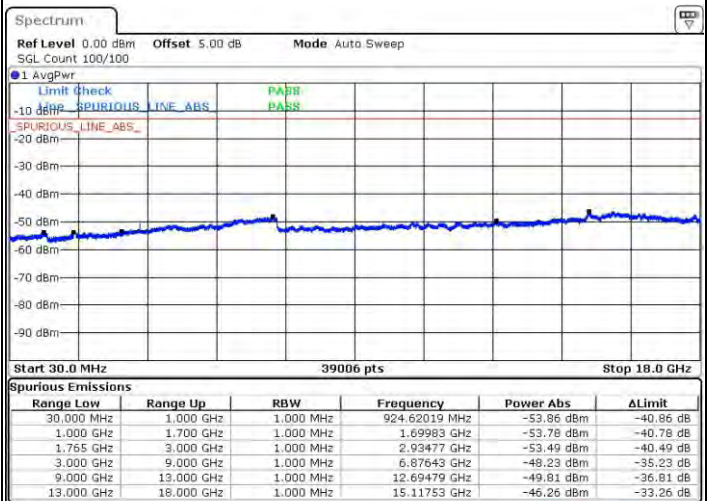
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 4 NOV 2015 20:30:15

Lowest Channel / 16QAM

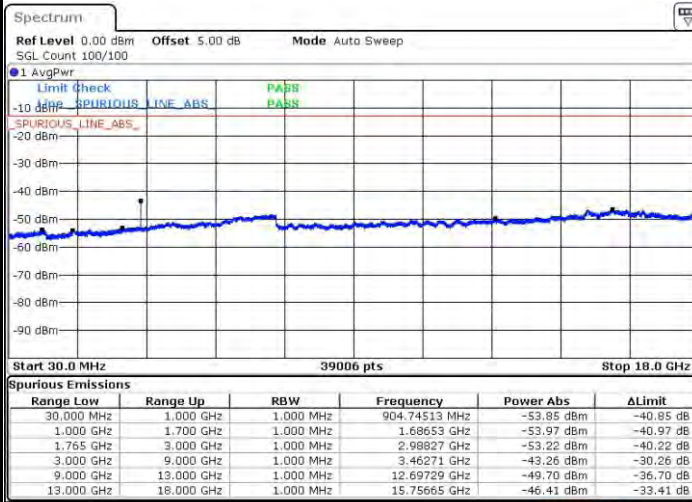


Date: 4 NOV 2015 20:31:11



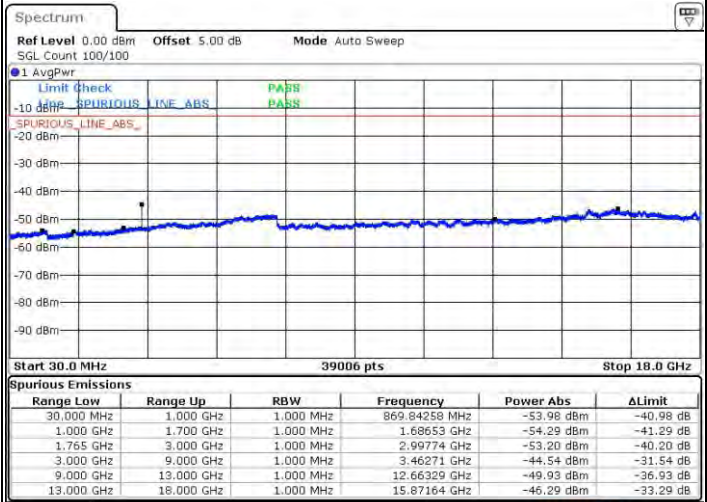
LTE Band 4 / 3MHz

Middle Channel / QPSK



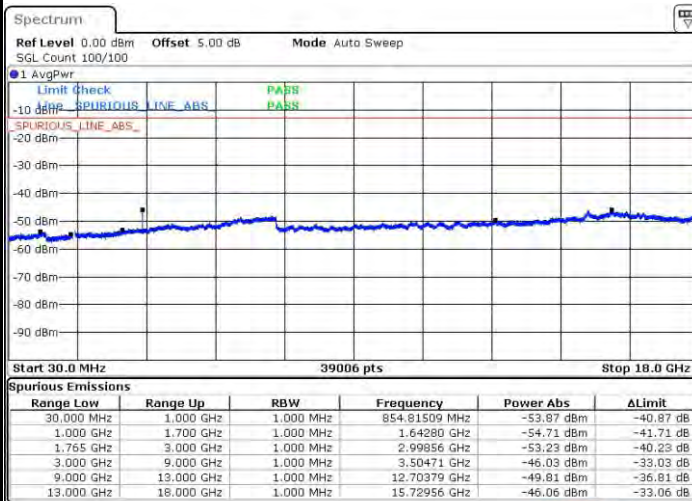
Date: 4 NOV 2015 20:32:48

Middle Channel / 16QAM



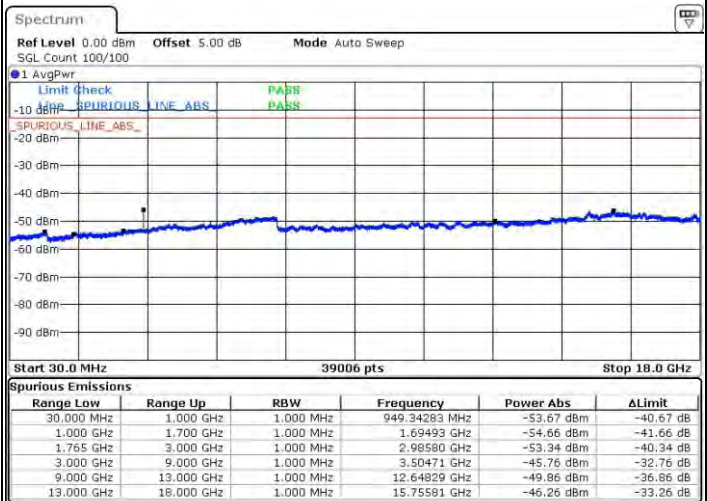
Date: 4 NOV 2015 20:33:44

Highest Channel / QPSK



Date: 4 NOV 2015 20:39:53

Highest Channel / 16QAM

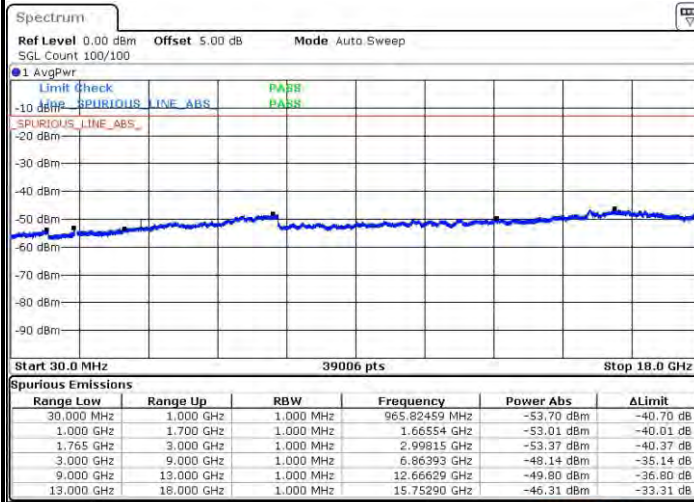


Date: 4 NOV 2015 20:40:49



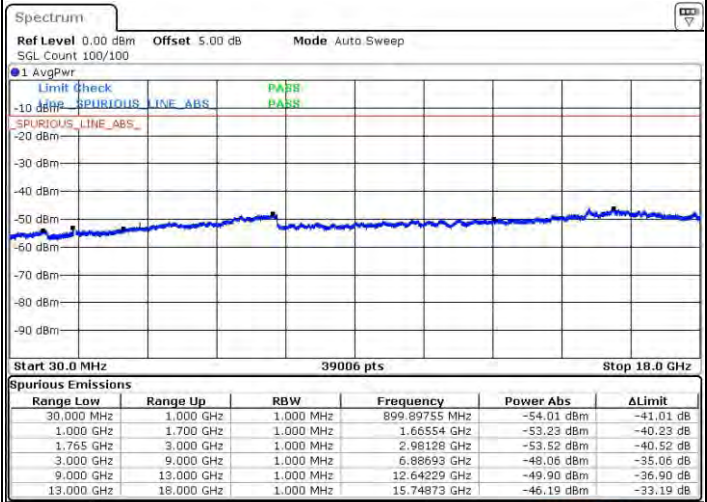
LTE Band 4 / 5MHz

Lowest Channel / QPSK



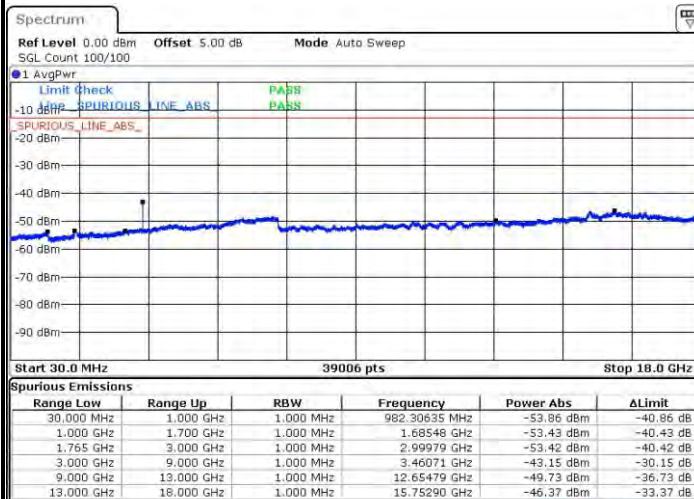
Date: 4 NOV 2015 20:48:58

Lowest Channel / 16QAM



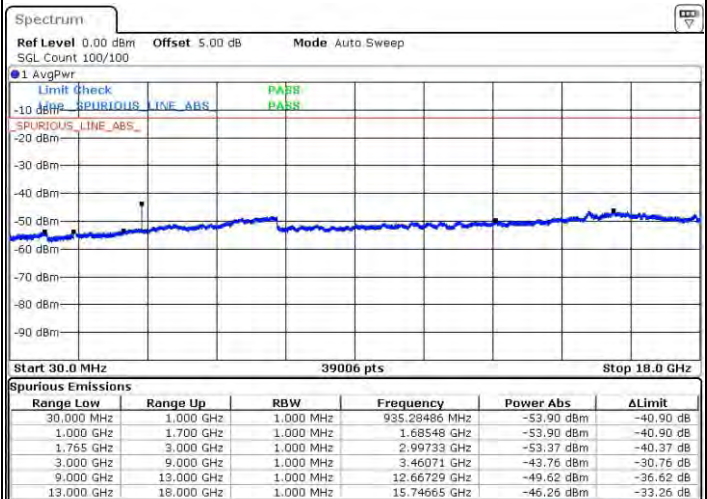
Date: 4 NOV 2015 20:47:54

Middle Channel / QPSK



Date: 4 NOV 2015 20:49:31

Middle Channel / 16QAM

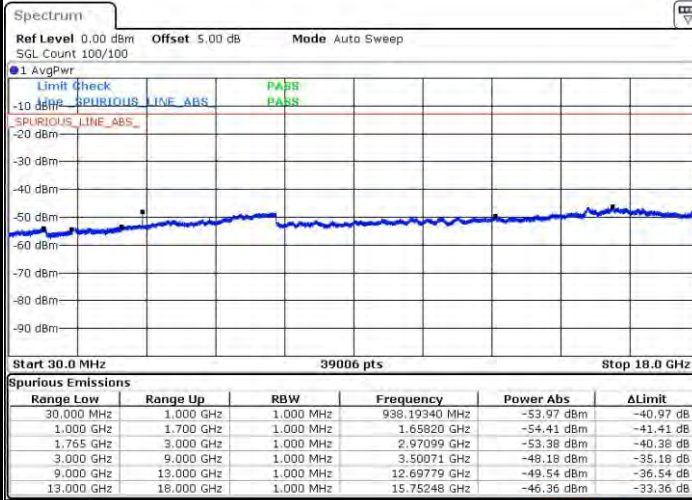


Date: 4 NOV 2015 20:50:27



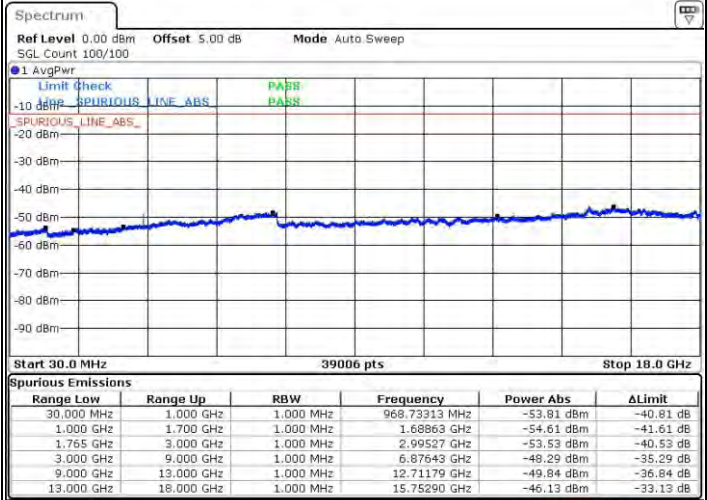
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 4 NOV 2015 20:58:36

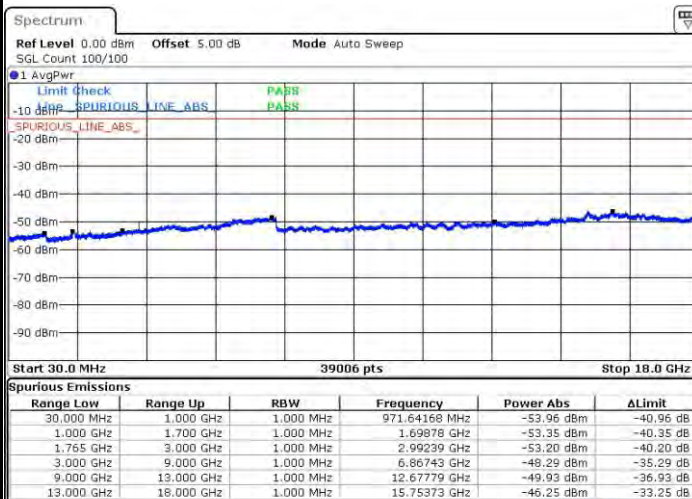
Highest Channel / 16QAM



Date: 4 NOV 2015 20:57:32

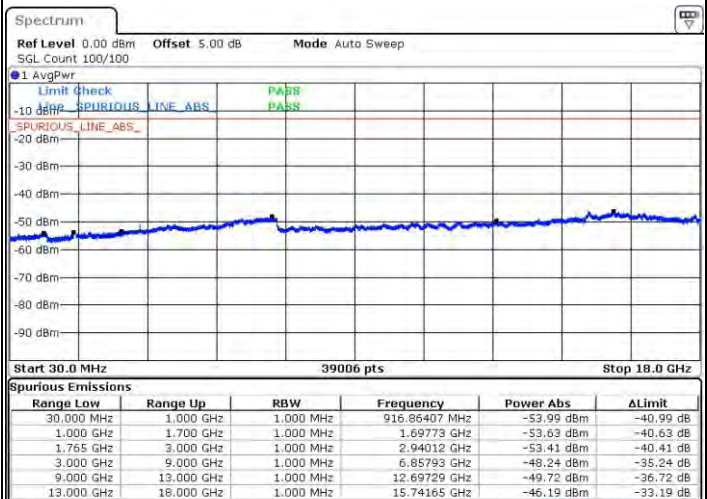
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 4 NOV 2015 21:03:43

Lowest Channel / 16QAM

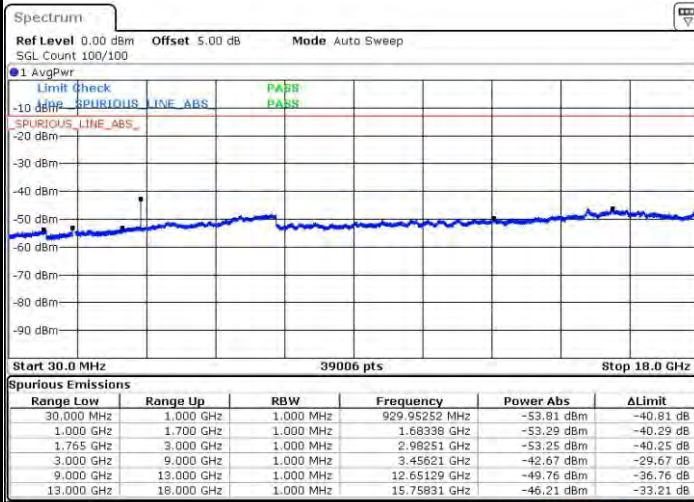


Date: 4 NOV 2015 21:04:39



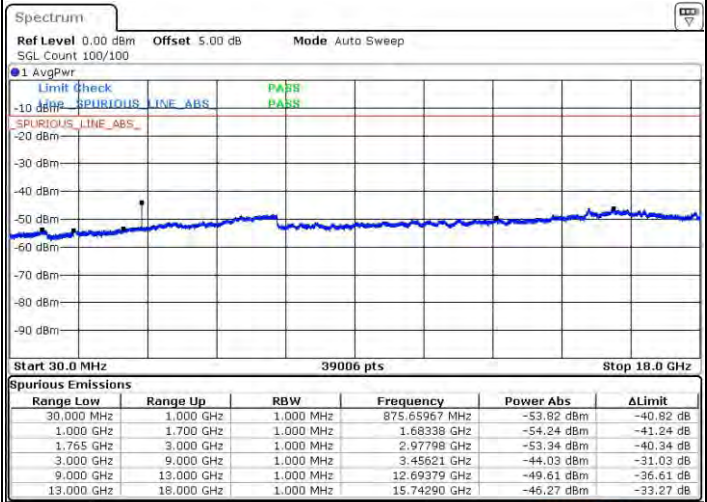
LTE Band 4 / 10MHz

Middle Channel / QPSK



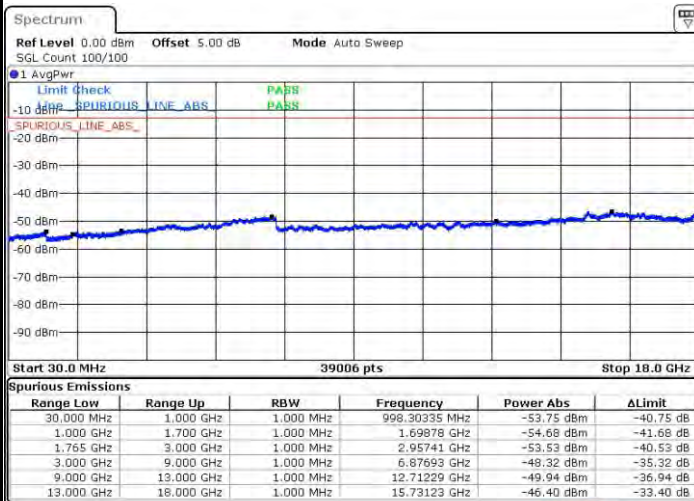
Date: 4.NOV.2015 21:08:16

Middle Channel / 16QAM



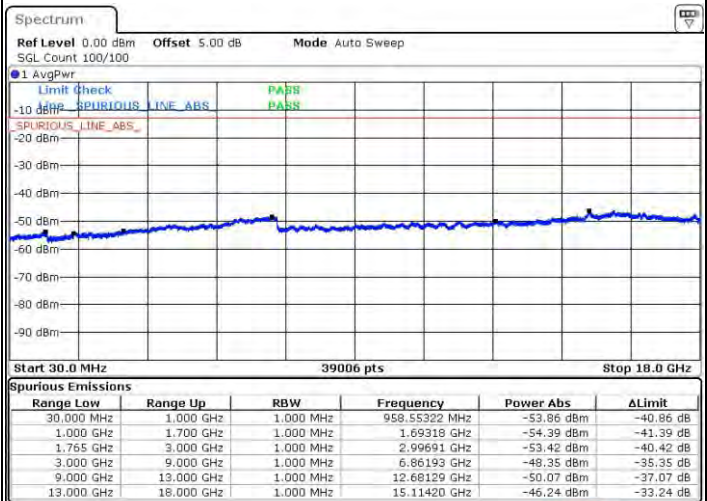
Date: 4.NOV.2015 21:07:12

Highest Channel / QPSK



Date: 4.NOV.2015 21:13:21

Highest Channel / 16QAM

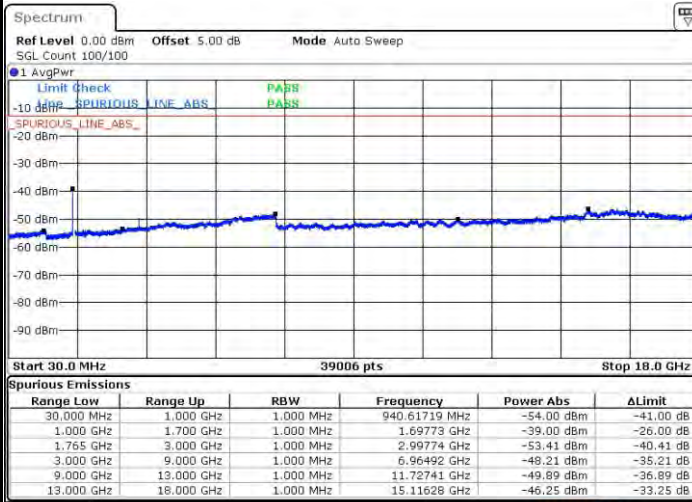


Date: 4.NOV.2015 21:14:17



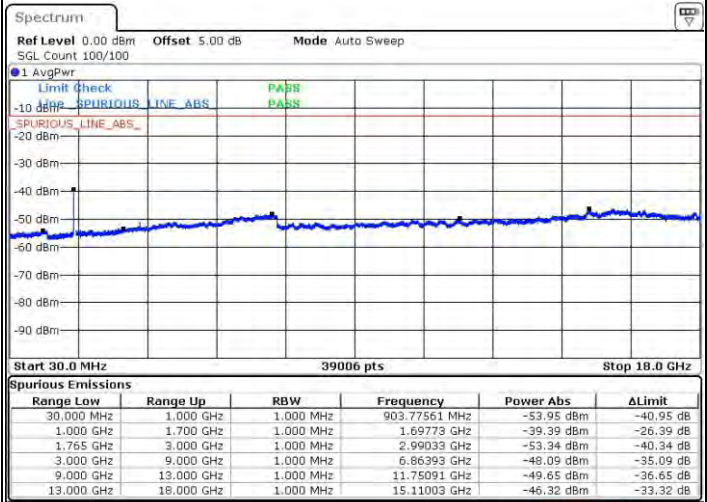
LTE Band 4 / 15MHz

Lowest Channel / QPSK



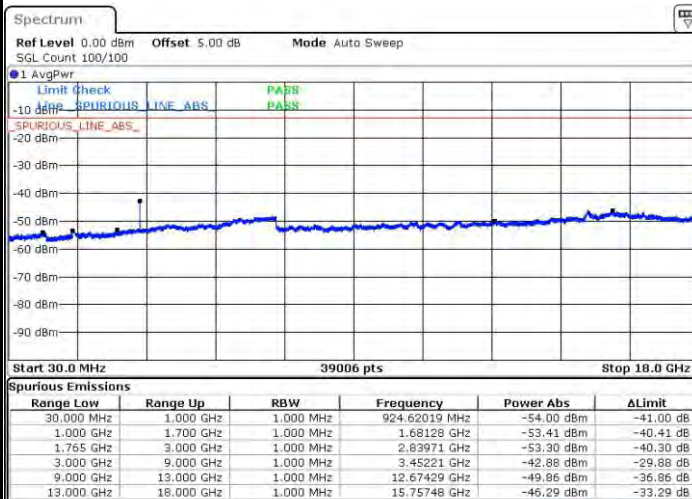
Date: 4 NOV 2015 21:20:26

Lowest Channel / 16QAM



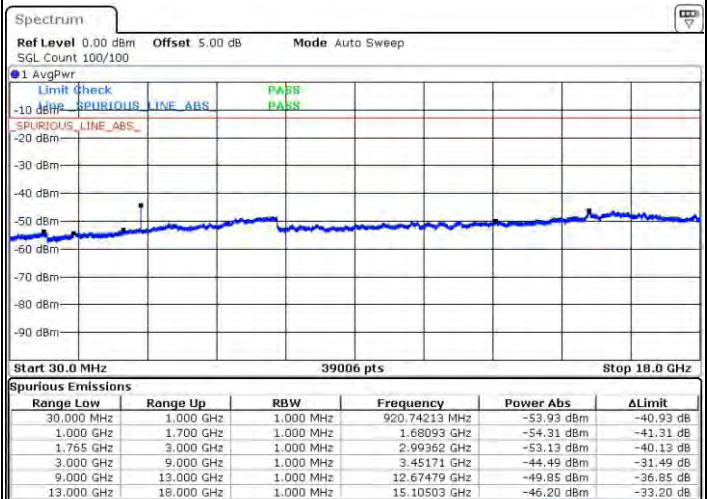
Date: 4 NOV 2015 21:21:22

Middle Channel / QPSK



Date: 4 NOV 2015 21:22:59

Middle Channel / 16QAM

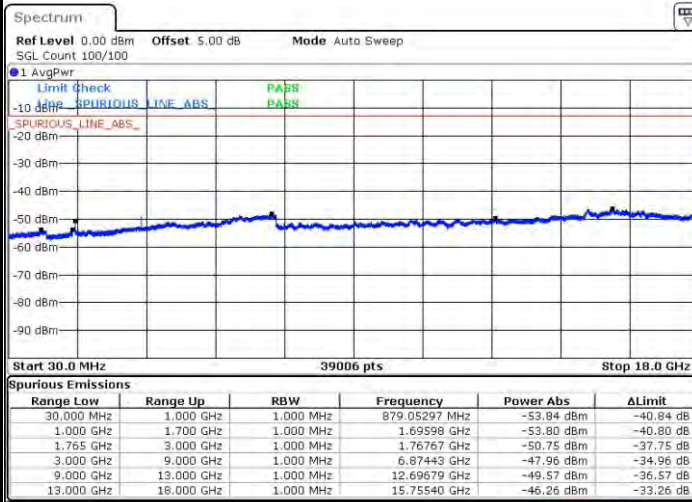


Date: 4 NOV 2015 21:23:54



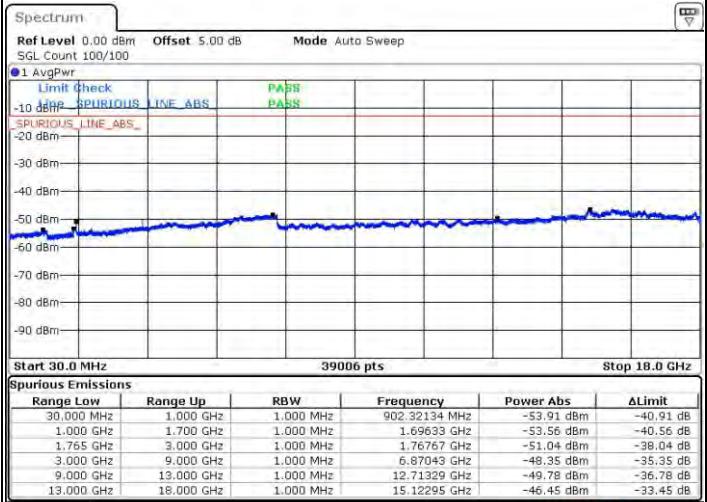
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 4 NOV 2015 21:30:04

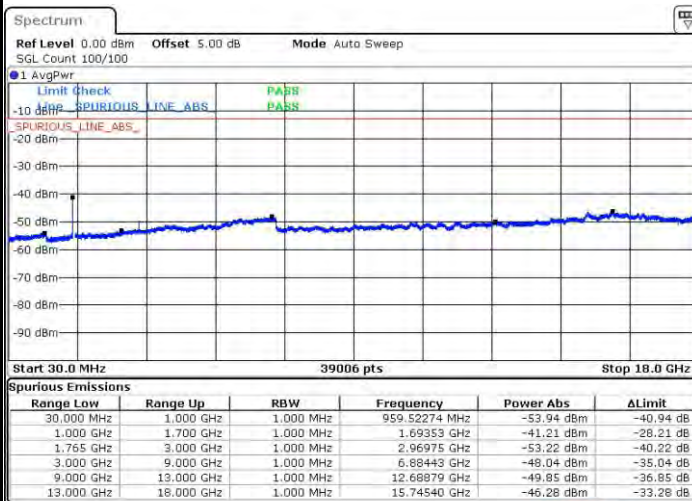
Highest Channel / 16QAM



Date: 4 NOV 2015 21:30:59

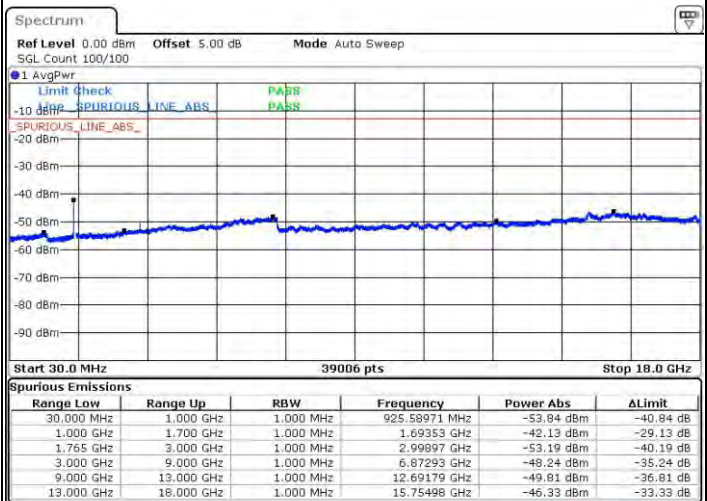
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 4 NOV 2015 21:37:08

Lowest Channel / 16QAM

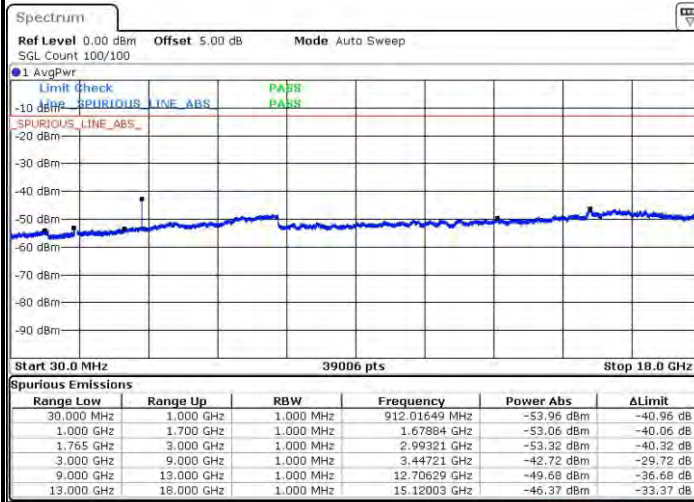


Date: 4 NOV 2015 21:38:04



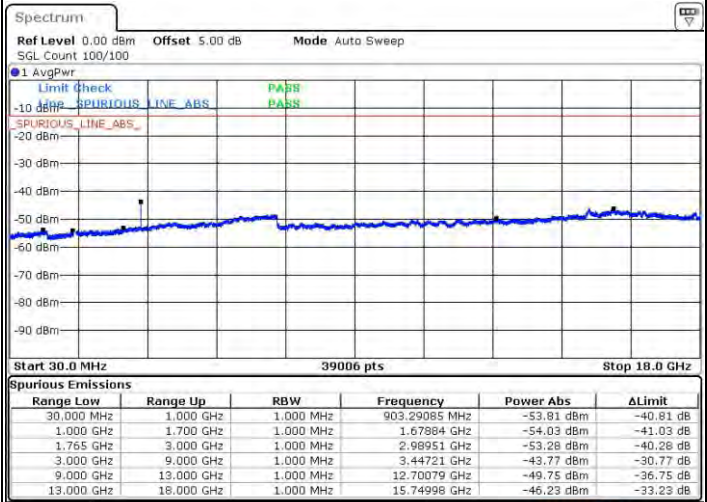
LTE Band 4 / 20MHz

Middle Channel / QPSK



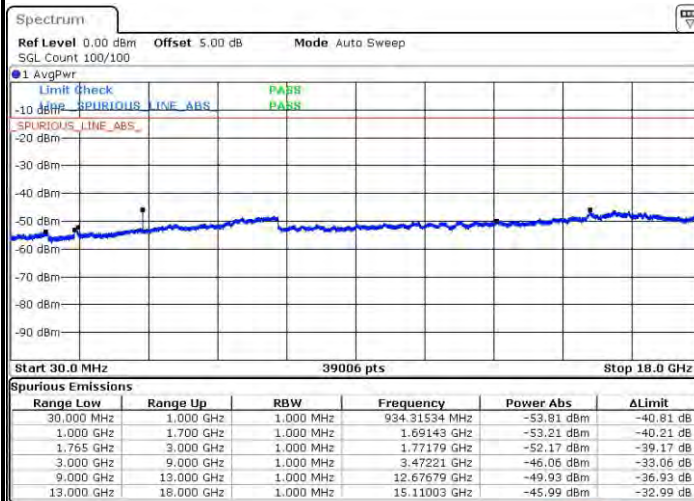
Date: 4 NOV 2015 21:39:41

Middle Channel / 16QAM



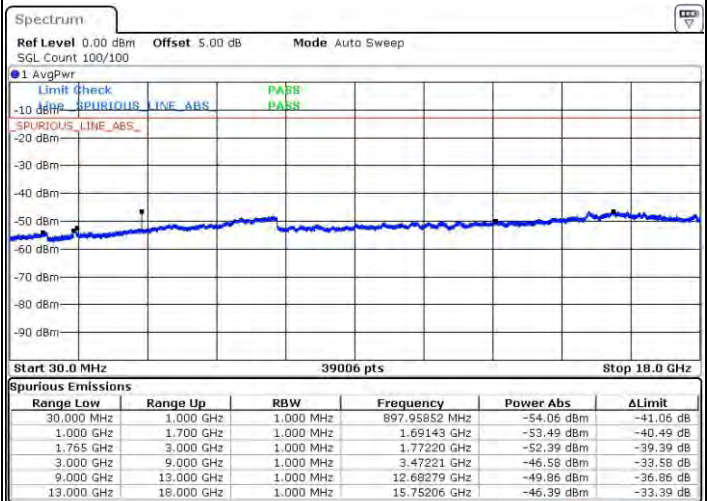
Date: 4 NOV 2015 21:40:37

Highest Channel / QPSK



Date: 4 NOV 2015 21:46:47

Highest Channel / 16QAM

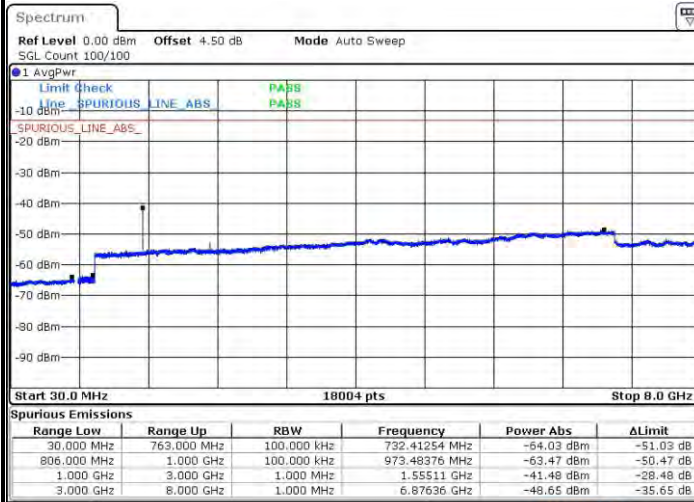


Date: 4 NOV 2015 21:47:42



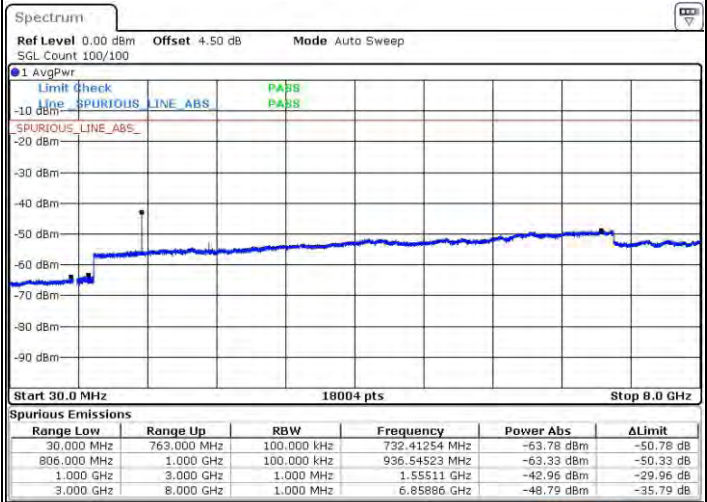
LTE Band 13 / 5MHz

Lowest Channel / QPSK



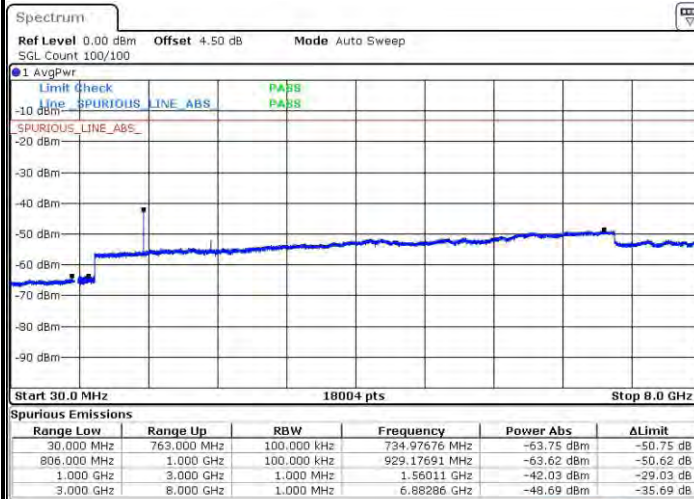
Date: 5 NOV 2015 00:48:42

Lowest Channel / 16QAM



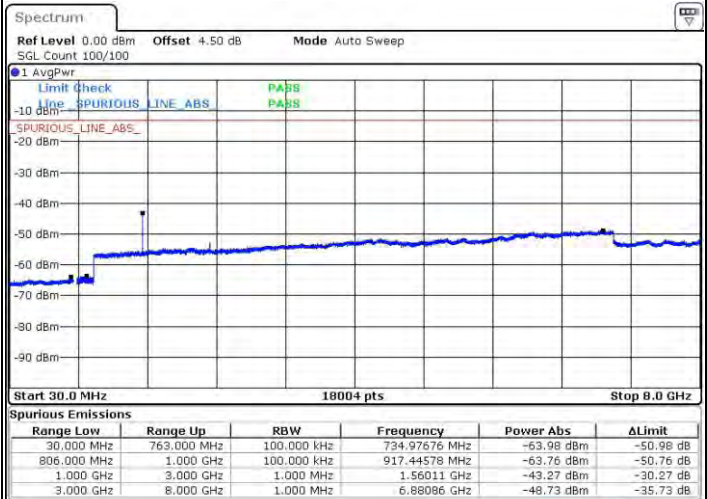
Date: 5 NOV 2015 00:47:47

Middle Channel / QPSK



Date: 5 NOV 2015 00:50:19

Middle Channel / 16QAM

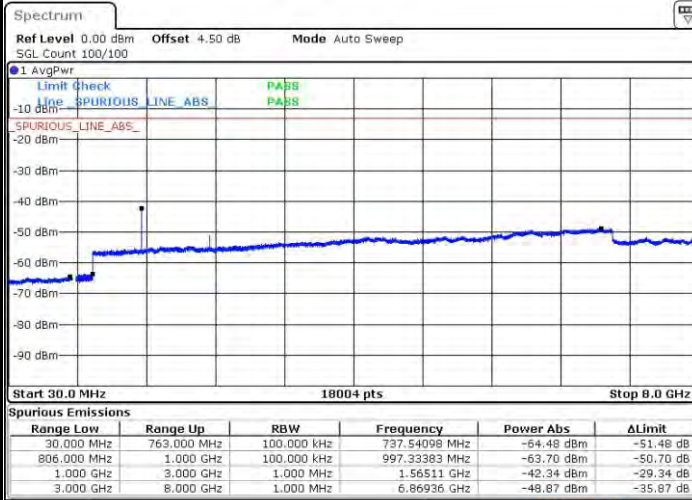


Date: 5 NOV 2015 00:51:13



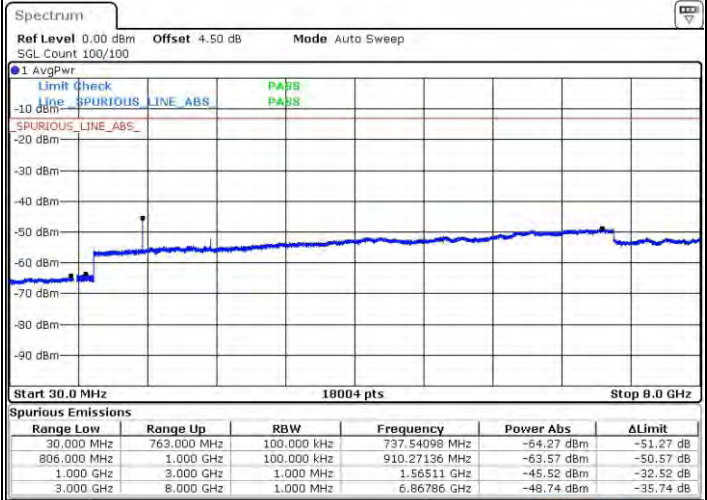
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 5 NOV 2015 00:58:18

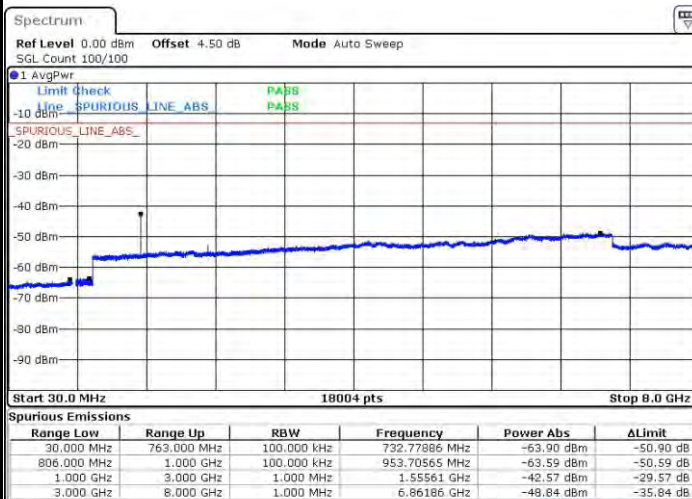
Highest Channel / 16QAM



Date: 5 NOV 2015 00:57:23

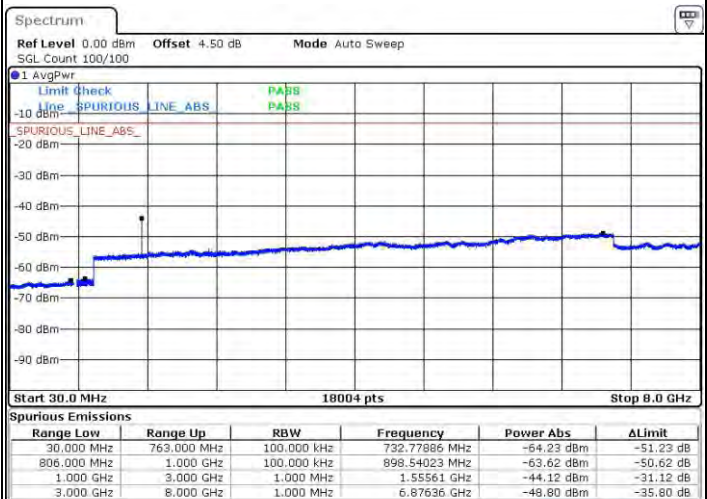
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 5 NOV 2015 00:59:13

Middle Channel / 16QAM



Date: 5 NOV 2015 01:00:08

**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	0.0156	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0115	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0110	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0127	
-30	Normal Voltage	0.0100	
20	Maximum Voltage	0.0150	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0104	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0307	PASS
40	Normal Voltage	0.0422	
30	Normal Voltage	0.0243	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0448	
0	Normal Voltage	0.0345	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0371	
20	Maximum Voltage	0.0332	
20	Normal Voltage	0.0064	
20	Battery End Point	0.0281	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V
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 (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.35	0.2163	23.59	0.2286
Middle		3	1	23.73	0.2360	23.91	0.2460
Highest		3	1	24.99	0.3155	24.25	0.2661
Lowest	16QAM	1	5	22.37	0.1726	22.63	0.1832
Middle		1	3	22.80	0.1905	23.05	0.2018
Highest		1	0	24.08	0.2559	23.39	0.2183
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.35	0.2163	23.63	0.2307
Middle		1	0	24.21	0.2636	24.28	0.2679
Highest		1	14	25.54	0.3581	24.70	0.2951
Lowest	16QAM	1	0	22.52	0.1786	22.79	0.1901
Middle		1	0	23.36	0.2168	23.44	0.2208
Highest		1	0	24.23	0.2649	23.80	0.2399
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.99	0.2506	24.04	0.2535
Middle		1	12	24.28	0.2679	24.46	0.2793
Highest		1	12	25.61	0.3639	25.08	0.3221
Lowest	16QAM	1	0	22.33	0.1710	22.59	0.1816
Middle		1	12	23.28	0.2128	23.21	0.2094
Highest		1	12	24.15	0.2600	23.69	0.2339
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.62	0.2301	23.86	0.2432
Middle		1	25	24.14	0.2594	24.49	0.2812
Highest		1	25	25.09	0.3228	24.88	0.3076
Lowest	16QAM	1	0	22.61	0.1824	22.85	0.1928
Middle		1	25	23.03	0.2009	23.14	0.2061
Highest		1	49	24.34	0.2716	23.59	0.2286
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.63	0.2307	23.82	0.2410
Middle		1	0	24.62	0.2897	24.38	0.2742
Highest		1	0	24.48	0.2805	24.58	0.2871
Lowest	16QAM	1	0	22.28	0.1690	22.51	0.1782
Middle		1	0	23.41	0.2193	23.23	0.2104
Highest		1	0	23.24	0.2109	23.45	0.2213
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.27	0.2123	23.08	0.2032
Middle		1	49	24.07	0.2553	24.22	0.2642
Highest		1	0	24.52	0.2831	24.64	0.2911
Lowest	16QAM	1	0	22.53	0.1791	22.73	0.1875
Middle		1	0	23.33	0.2153	23.21	0.2094
Highest		1	0	23.47	0.2223	23.58	0.2280
Limit	EIRP < 1W			Result		PASS	



LTE Band 13 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.63	0.0918	2.88	0.0019
Middle		1	0	19.59	0.0910	2.69	0.0019
Highest		1	0	19.64	0.0920	3.59	0.0023
Lowest	16QAM	1	12	18.50	0.0708	1.72	0.0015
Middle		1	0	18.52	0.0711	1.83	0.0015
Highest		1	0	18.92	0.0780	2.88	0.0019
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	25	20.05	0.1012	3.14	0.0021
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	19.20	0.0832	1.79	0.0015
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission**

LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-51.74	-13	-38.74	-65.87	-56.11	3.12	7.49	H
	5196	-48.30	-13	-35.30	-61.45	-54.10	3.65	9.45	H
	6927	-44.15	-13	-31.15	-61.01	-51.35	4.15	11.35	H
	3465	-52.36	-13	-39.36	-65.18	-56.73	3.12	7.49	V
	5196	-44.49	-13	-31.49	-58.5	-50.29	3.65	9.45	V
	6927	-46.12	-13	-33.12	-61.37	-53.32	4.15	11.35	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462	-51.74	-13	-38.74	-65.87	-56.11	3.12	7.49	H
	5193	-48.23	-13	-35.23	-61.38	-54.03	3.65	9.45	H
	6924	-45.51	-13	-32.51	-62.37	-52.71	4.15	11.35	H
	3462	-53.02	-13	-40.02	-65.84	-57.39	3.12	7.49	V
	5196	-45.32	-13	-32.32	-59.33	-51.12	3.65	9.45	V
	6924	-46.74	-13	-33.74	-61.99	-53.94	4.15	11.35	V

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



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462	-51.44	-13	-38.44	-65.57	-55.81	3.12	7.49	H
	5191	-49.04	-13	-36.04	-62.19	-54.84	3.65	9.45	H
	6921	-44.73	-13	-31.73	-61.59	-51.93	4.15	11.35	H
	3462	-53.30	-13	-40.30	-66.12	-57.67	3.12	7.49	V
	5192	-47.00	-13	-34.00	-61.01	-52.80	3.65	9.45	V
	6921	-46.66	-13	-33.66	-61.91	-53.86	4.15	11.35	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3456	-50.78	-13	-37.78	-64.91	-55.15	3.12	7.49	H
	5184	-48.22	-13	-35.22	-61.37	-54.02	3.65	9.45	H
	6912	-44.18	-13	-31.18	-61.04	-51.38	4.15	11.35	H
	3456	-52.75	-13	-39.75	-65.57	-57.12	3.12	7.49	V
	5184	-44.64	-13	-31.64	-58.65	-50.44	3.65	9.45	V
	6912	-46.75	-13	-33.75	-62	-53.95	4.15	11.35	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3453	-51.94	-13	-38.94	-66.07	-56.31	3.12	7.49	H
	5179	-49.34	-13	-36.34	-62.49	-55.14	3.65	9.45	H
	6906	-45.58	-13	-32.58	-62.44	-52.78	4.15	11.35	H
	3453	-53.25	-13	-40.25	-66.07	-57.62	3.12	7.49	V
	5179	-45.27	-13	-32.27	-59.28	-51.07	3.65	9.45	V
	6906	-47.58	-13	-34.58	-62.83	-54.78	4.15	11.35	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-51.12	-13	-38.12	-65.25	-55.49	3.12	7.49	H
	5171	-48.85	-13	-35.85	-62.00	-54.65	3.65	9.45	H
	6894	-43.49	-13	-30.49	-60.35	-50.69	4.15	11.35	H
	3447	-52.04	-13	-39.04	-64.86	-56.41	3.12	7.49	V
	5171	-45.35	-13	-32.35	-59.36	-51.15	3.65	9.45	V
	6894	-46.58	-13	-33.58	-61.83	-53.78	4.15	11.35	V

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



LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-61.67	-13	-48.67	-58.09	-62.65	1.75	4.88	H
	2340	-56.60	-13	-43.60	-62.61	-58.22	2.16	5.93	H
	3120	-54.91	-13	-41.91	-65.33	-56.94	2.48	6.66	H
	1560	-59.16	-13	-46.16	-57.63	-60.14	1.75	4.88	V
	2340	-54.84	-13	-41.84	-62.82	-56.46	2.16	5.93	V
	3120	-53.22	-13	-40.22	-64.73	-55.25	2.48	6.66	V

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

LTE Band 13 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-61.39	-13	-48.39	-57.81	-62.37	1.75	4.88	H
	2333	-55.74	-13	-42.74	-61.75	-57.36	2.16	5.93	H
	3111	-54.27	-13	-41.27	-64.69	-56.30	2.48	6.66	H
	1556	-58.38	-13	-45.38	-56.85	-59.36	1.75	4.88	V
	2332	-53.65	-13	-40.65	-61.63	-55.27	2.16	5.93	V
	3111	-53.92	-13	-40.92	-65.43	-55.95	2.48	6.66	V

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