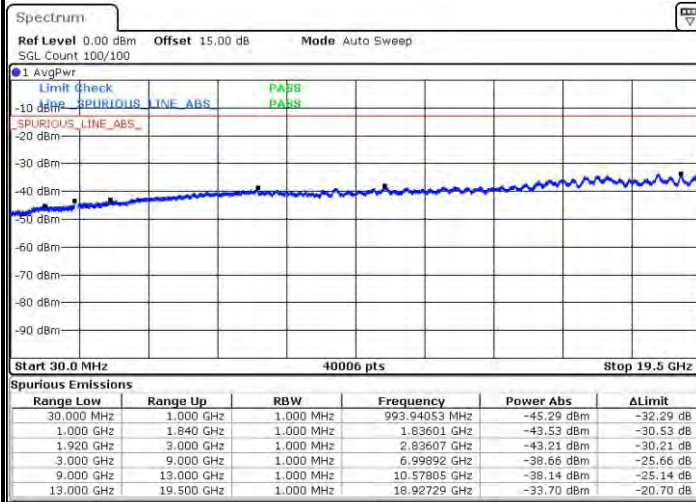




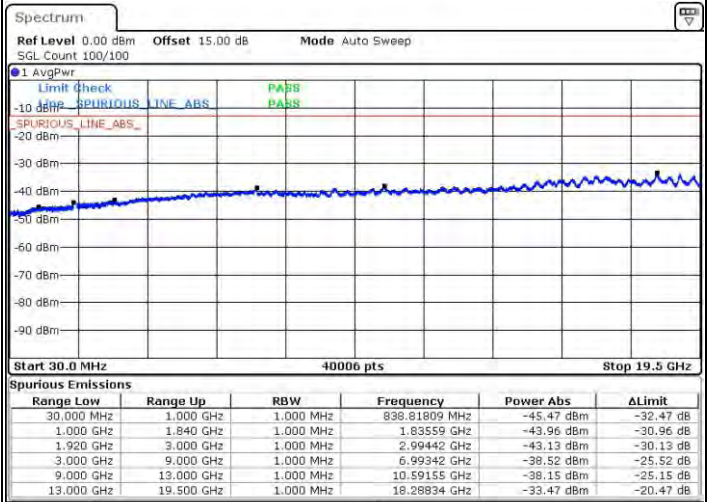
LTE Band 2 / 20MHz

Middle Channel / QPSK



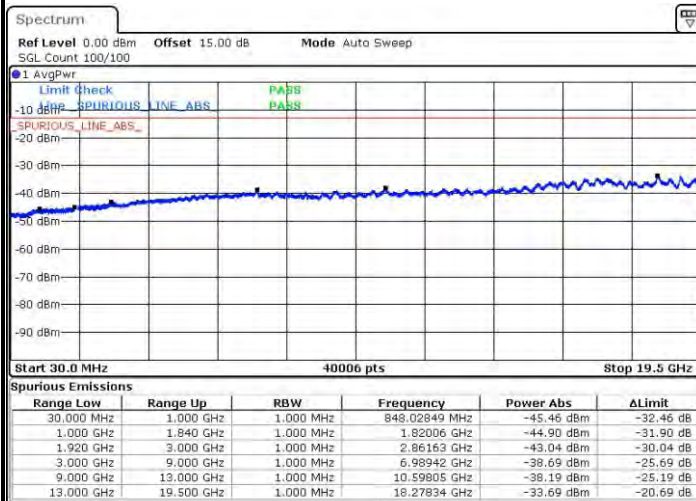
Date: 28.AUG.2015 22:40:40

Middle Channel / 16QAM



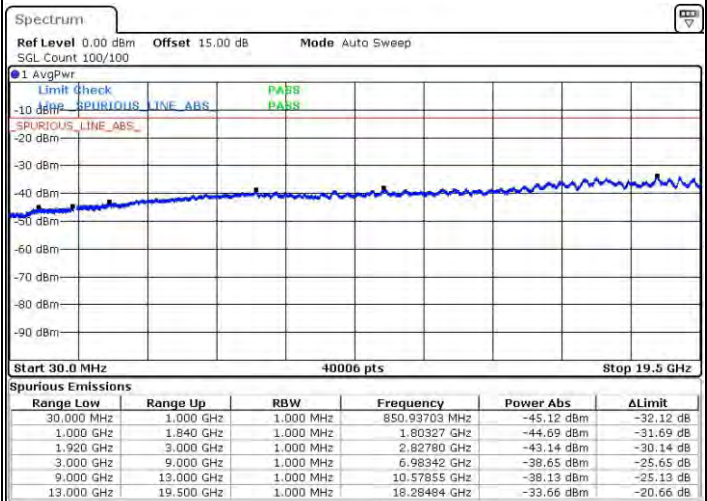
Date: 28.AUG.2015 22:41:53

Highest Channel / QPSK



Date: 28.AUG.2015 22:48:36

Highest Channel / 16QAM



Date: 28.AUG.2015 22:49:40

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0225	PASS
40	Normal Voltage	0.0197	
30	Normal Voltage	0.0183	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 4

Conducted Output Power(Average power)

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.63	22.95	23.15
20	1	49		22.68	23.13	23.17
20	1	99		22.96	23.22	23.24
20	50	0		21.71	22.18	22.37
20	50	24		21.76	22.26	22.32
20	50	50		21.91	22.30	22.39
20	100	0		21.79	22.22	22.28
20	1	0	16-QAM	21.85	22.10	22.36
20	1	49		21.89	22.19	22.42
20	1	99		21.94	22.32	22.26
20	50	0		20.70	21.09	21.30
20	50	24		20.72	21.15	21.28
20	50	50		20.85	21.19	21.24
20	100	0		20.75	21.14	21.22
15	1	0	QPSK	22.58	23.01	23.20
15	1	37		22.65	23.16	23.19
15	1	74		22.75	23.19	23.02
15	36	0		21.69	22.12	22.35
15	36	20		21.71	22.19	22.31
15	36	39		21.76	22.25	22.24
15	75	0		21.74	22.20	22.30
15	1	0	16-QAM	21.84	22.14	22.43
15	1	37		21.91	22.20	22.44
15	1	74		21.92	22.32	22.26
15	36	0		20.67	21.04	21.28
15	36	20		20.69	21.10	21.27
15	36	39		20.74	21.16	21.21
15	75	0		20.71	21.10	21.25



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.55	23.03	23.18
10	1	25		22.59	23.10	23.17
10	1	49		22.58	23.16	22.98
10	25	0		21.62	22.14	22.27
10	25	12		21.65	22.18	22.24
10	25	25		21.68	22.22	22.17
10	50	0		21.66	22.24	22.26
10	1	0	16-QAM	21.79	22.10	22.44
10	1	25		21.84	22.14	22.38
10	1	49		21.82	22.20	22.19
10	25	0		20.60	21.05	21.23
10	25	12		20.63	21.10	21.20
10	25	25		20.67	21.12	21.14
10	50	0		20.63	21.14	21.23
5	1	0	QPSK	22.47	23.04	23.19
5	1	12		22.52	23.13	23.11
5	1	24		22.47	23.07	22.93
5	12	0		21.59	22.14	22.26
5	12	7		21.59	22.17	22.19
5	12	13		21.60	22.18	22.16
5	25	0		21.58	22.17	22.18
5	1	0	16-QAM	21.75	22.14	22.38
5	1	12		21.82	22.19	22.33
5	1	24		21.72	22.14	22.18
5	12	0		20.58	21.08	21.23
5	12	7		20.58	21.09	21.18
5	12	13		20.58	21.10	21.13
5	25	0		20.54	21.08	21.14



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.43	22.99	23.04
3	1	8		22.47	23.07	23.03
3	1	14		22.40	23.02	22.93
3	8	0		21.53	22.17	22.16
3	8	4		21.54	22.17	22.12
3	8	7		21.55	22.16	22.08
3	15	0		21.55	22.17	22.11
3	1	0	16-QAM	21.57	22.02	22.22
3	1	8		21.65	22.07	22.23
3	1	14		21.59	22.05	22.13
3	8	0		20.58	21.14	21.19
3	8	4		20.58	21.13	21.16
3	8	7		20.61	21.11	21.13
3	15	0		20.57	21.11	21.11
1.4	1	0	QPSK	22.41	23.03	22.99
1.4	1	3		22.51	23.12	23.09
1.4	1	5		22.41	23.06	22.97
1.4	3	0		22.50	23.15	23.08
1.4	3	1		22.46	23.14	23.04
1.4	3	3		22.48	23.13	23.05
1.4	6	0		21.52	22.15	22.08
1.4	1	0	16-QAM	21.69	22.12	22.23
1.4	1	3		21.80	22.23	22.35
1.4	1	5		21.68	22.16	22.23
1.4	3	0		21.50	22.04	22.09
1.4	3	1		21.47	22.03	22.04
1.4	3	3		21.46	22.01	22.03
1.4	6	0		20.56	21.12	21.14

**Peak-to-Average Ratio**

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.72	4.72	5.80	5.54	PASS
Middle CH	3.62	4.32	4.67	5.25	
Highest CH	3.54	4.70	4.70	5.71	

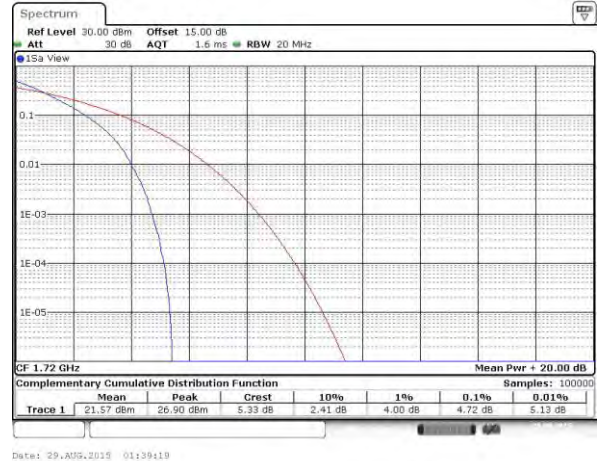


LTE Band 4 / 20MHz / QPSK

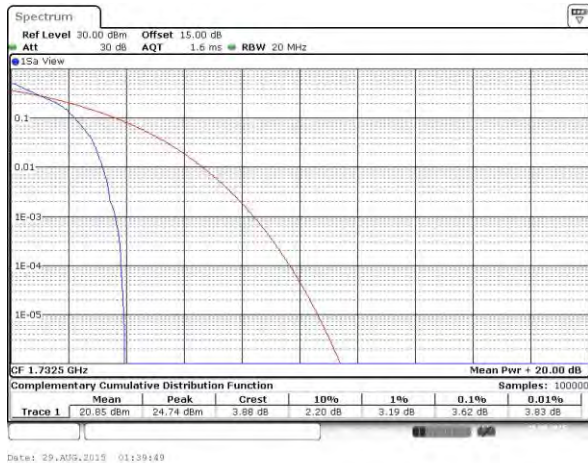
Lowest Channel / 1RB



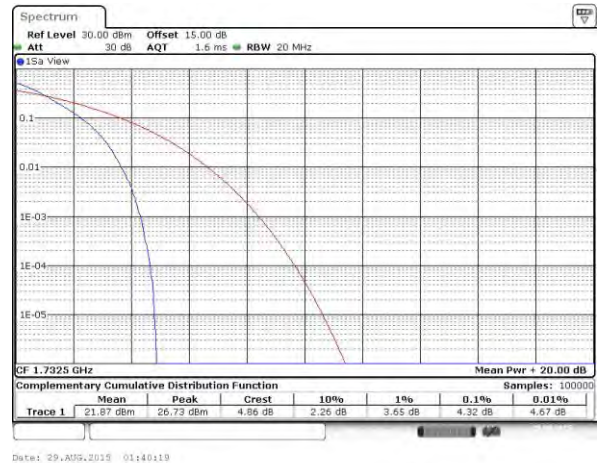
Lowest Channel / Full RB



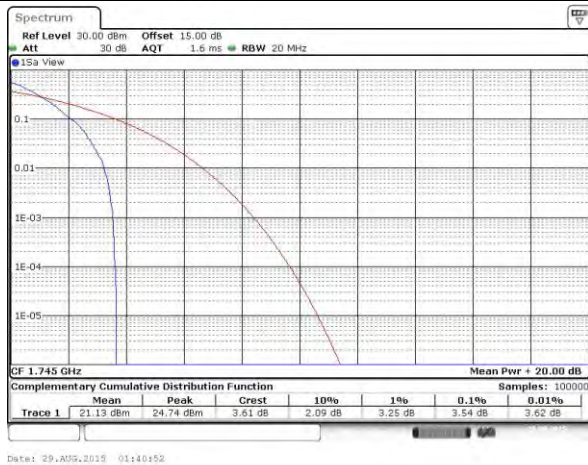
Middle Channel / 1RB



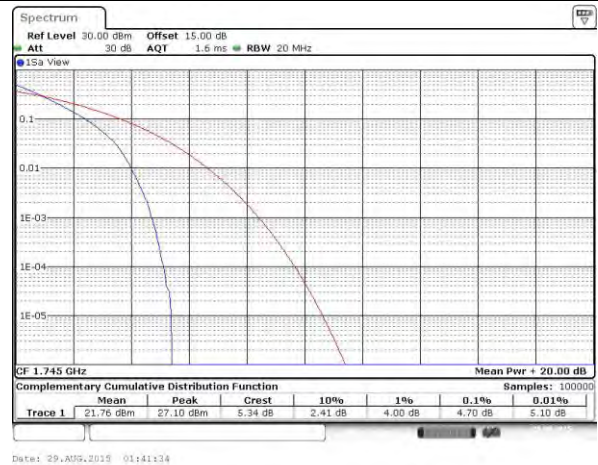
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



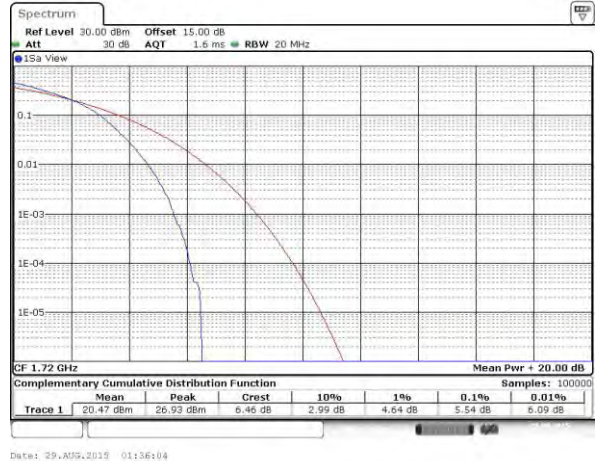


LTE Band 4 / 20MHz / 16QAM

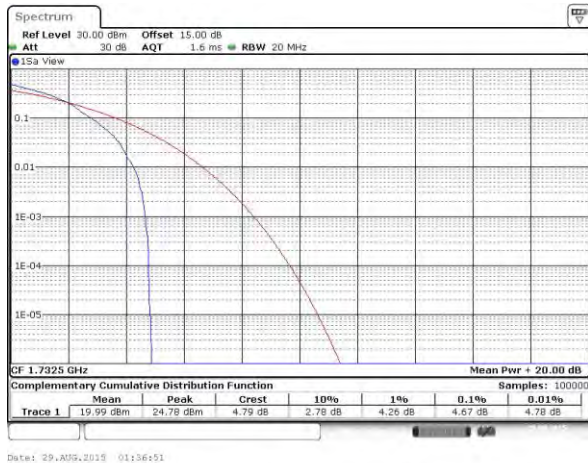
Lowest Channel / 1RB



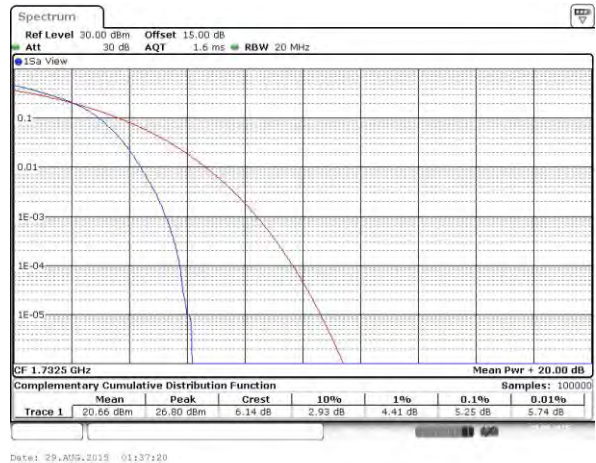
Lowest Channel / Full RB



Middle Channel / 1RB



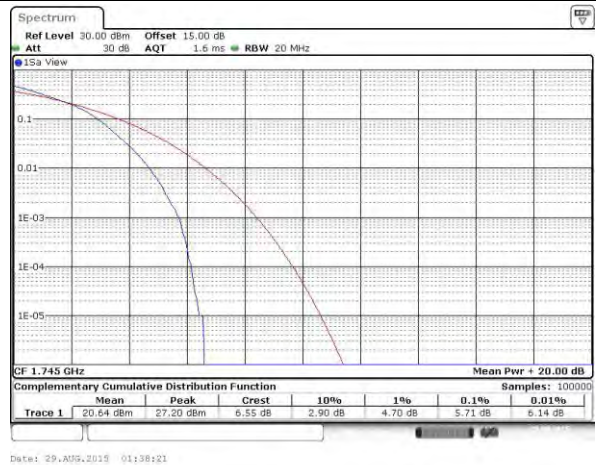
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



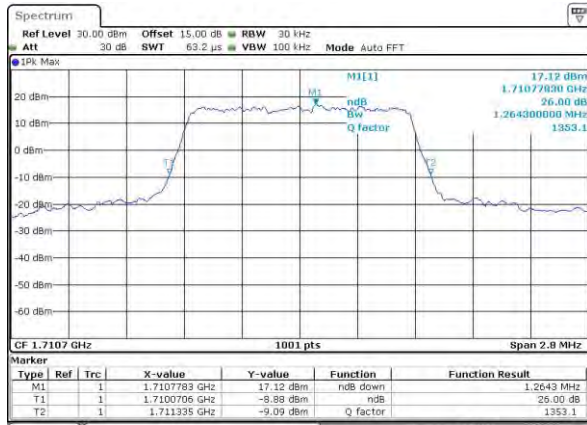
**26dB Bandwidth**

Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.28	3.03	3.04	5.09	5.07	10.01	10.07	14.72	14.78	20.26	20.38
Middle CH	1.29	1.30	3.11	3.06	5.22	5.12	10.05	10.09	14.87	14.81	20.66	20.50
Highest CH	1.27	1.28	3.03	3.03	5.10	5.06	9.99	9.97	14.84	14.81	20.38	20.34

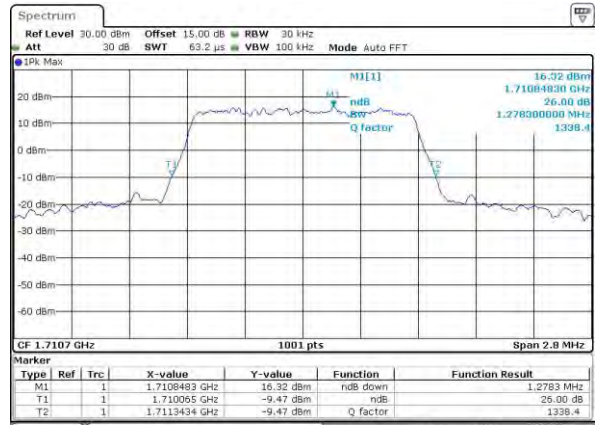


LTE Band 4

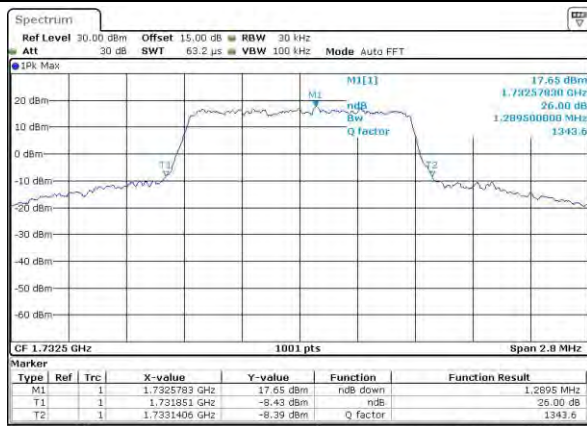
Lowest Channel / 1.4MHz / QPSK



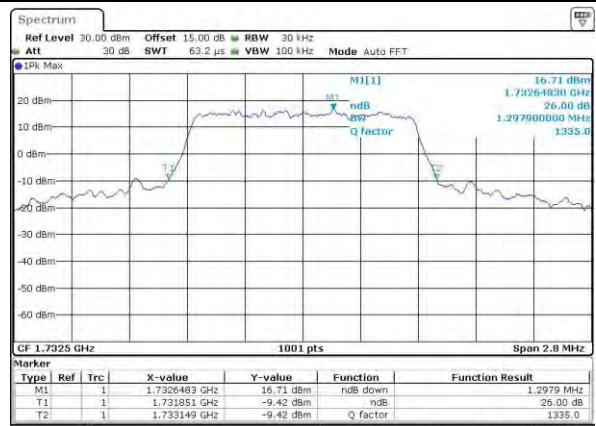
Lowest Channel / 1.4MHz / 16QAM



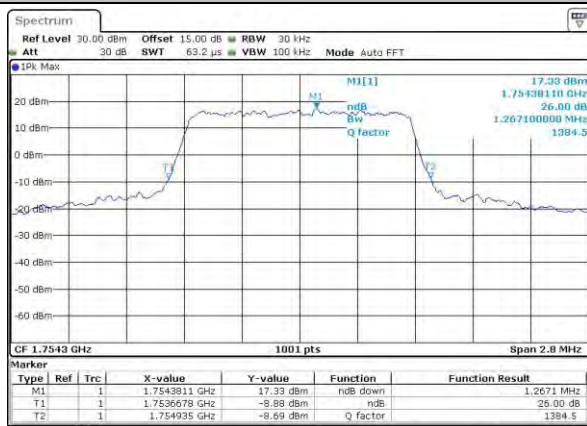
Middle Channel / 1.4MHz / QPSK



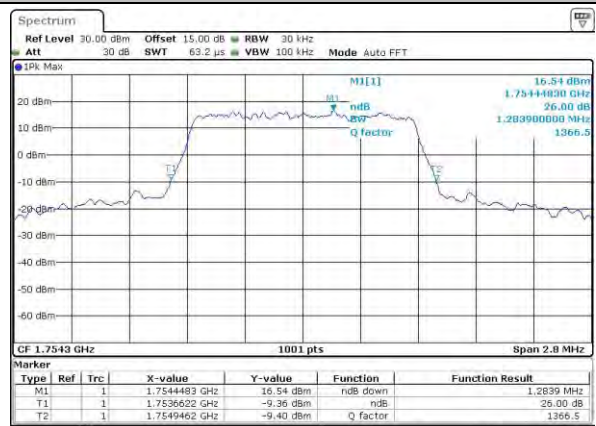
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



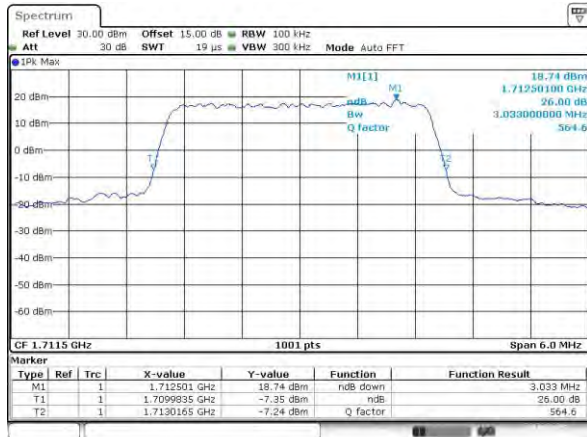
Highest Channel / 1.4MHz / 16QAM



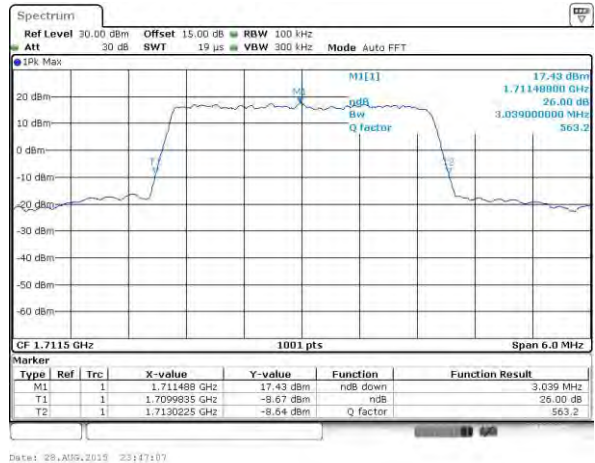


LTE Band 4

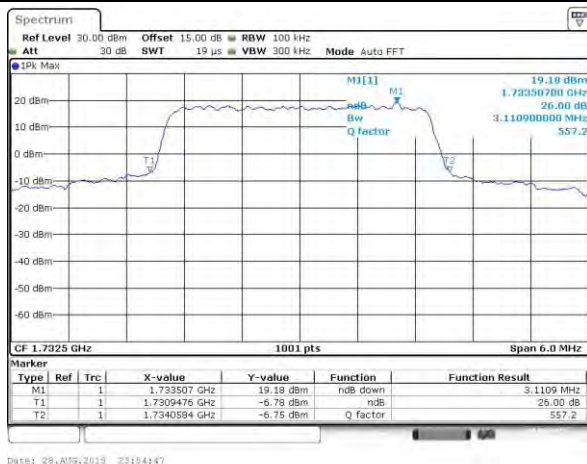
Lowest Channel / 3MHz / QPSK



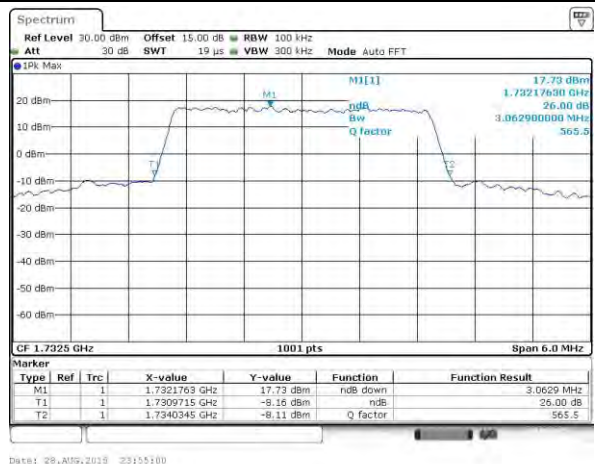
Lowest Channel / 3MHz / 16QAM



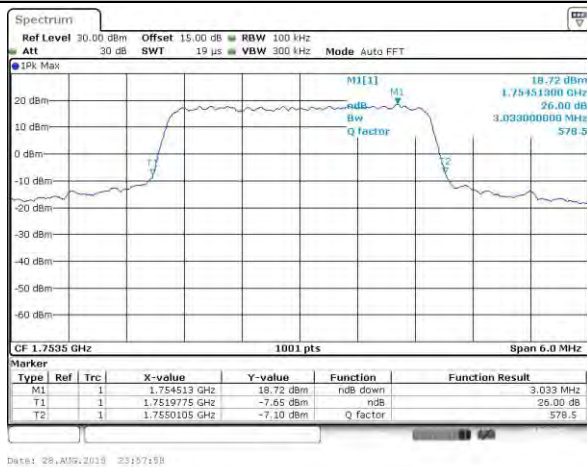
Middle Channel / 3MHz / QPSK



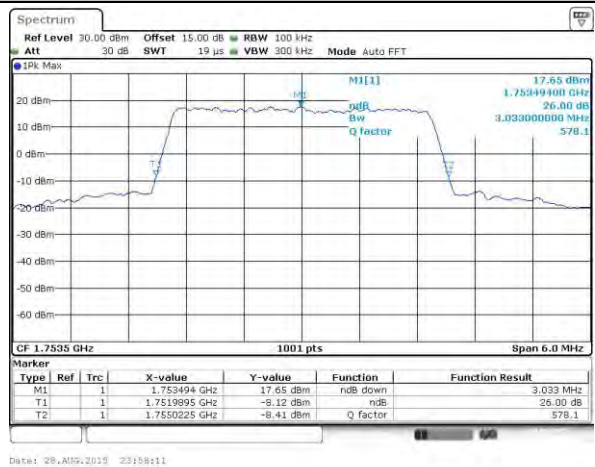
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



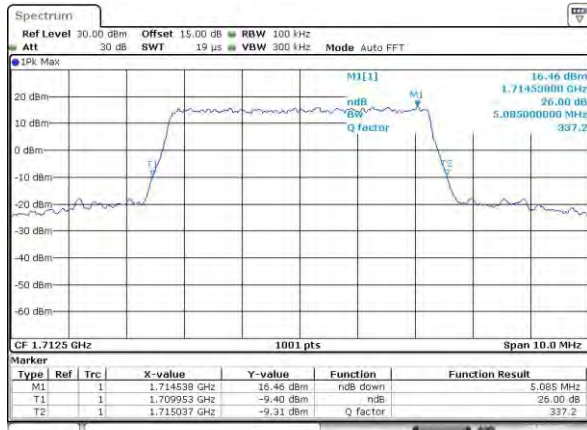
Highest Channel / 3MHz / 16QAM



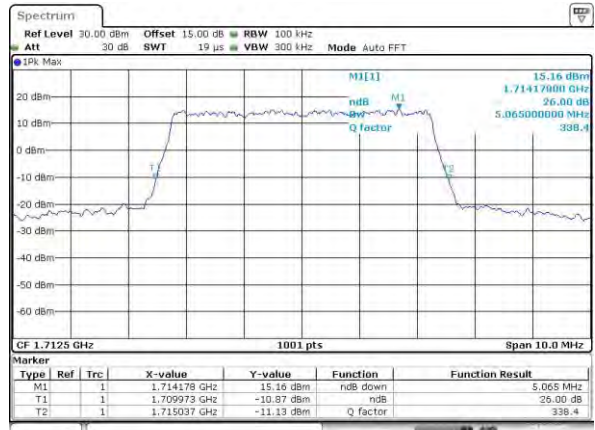


LTE Band 4

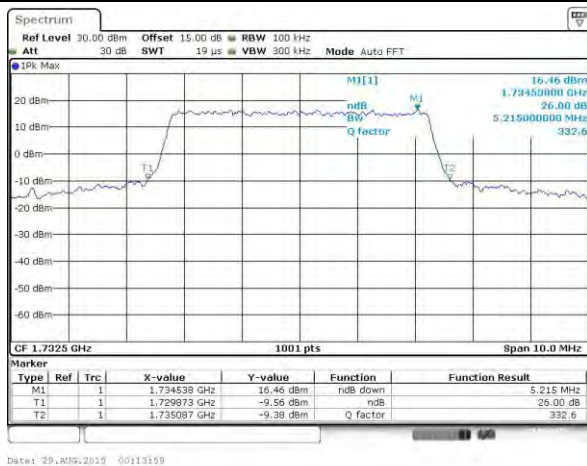
Lowest Channel / 5MHz / QPSK



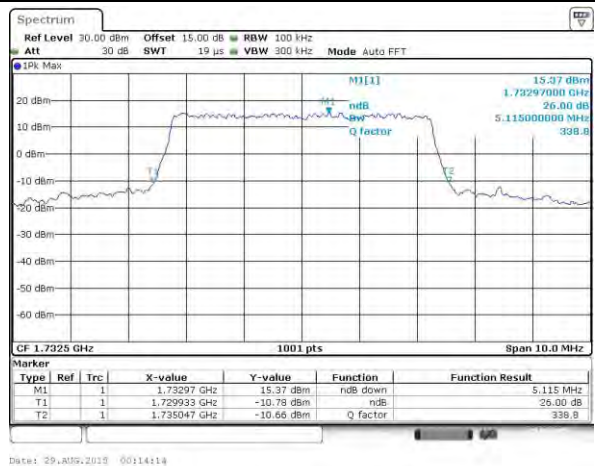
Lowest Channel / 5MHz / 16QAM



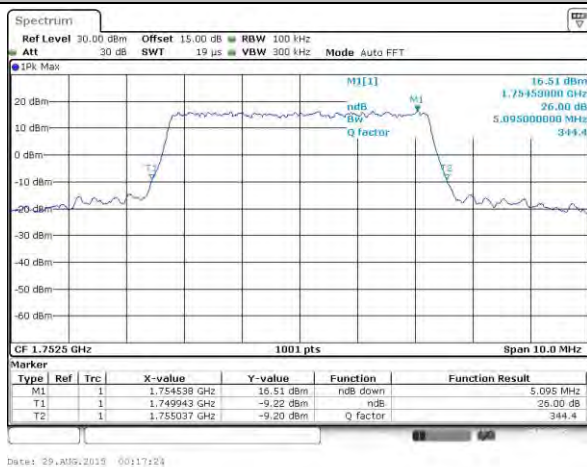
Middle Channel / 5MHz / QPSK



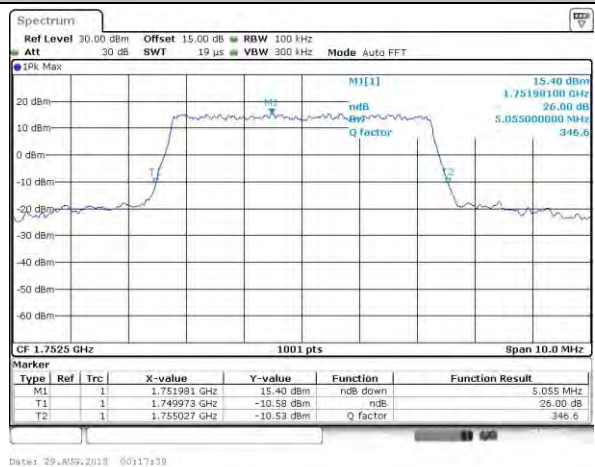
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



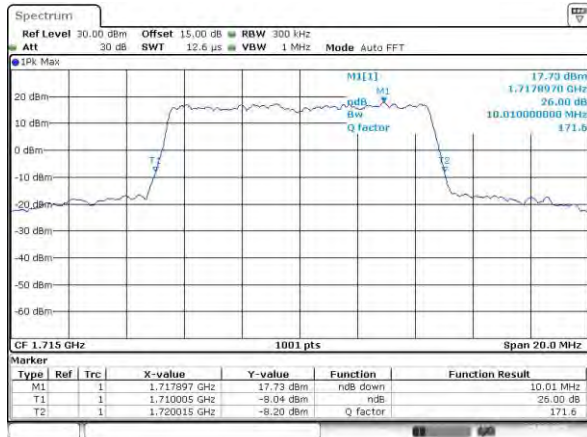
Highest Channel / 5MHz / 16QAM



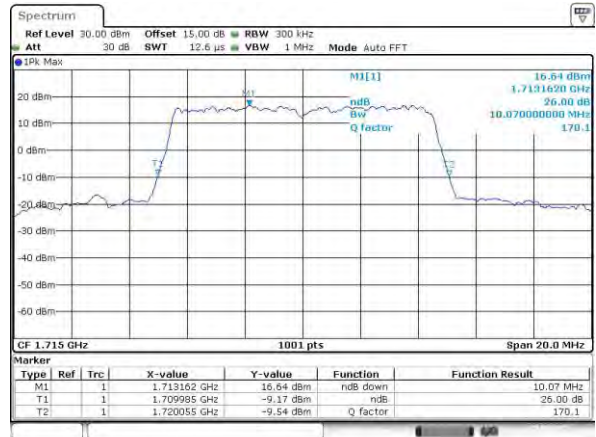


LTE Band 4

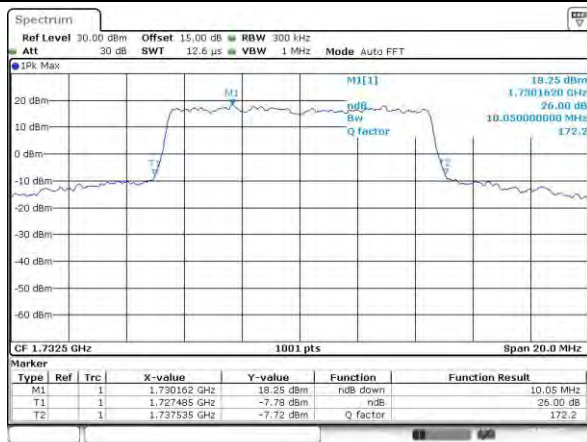
Lowest Channel / 10MHz / QPSK



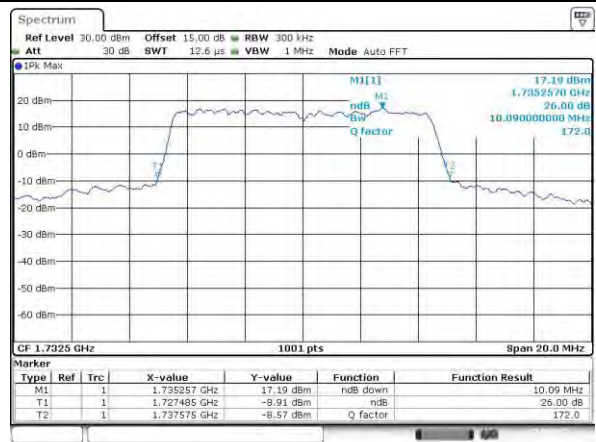
Lowest Channel / 10MHz / 16QAM



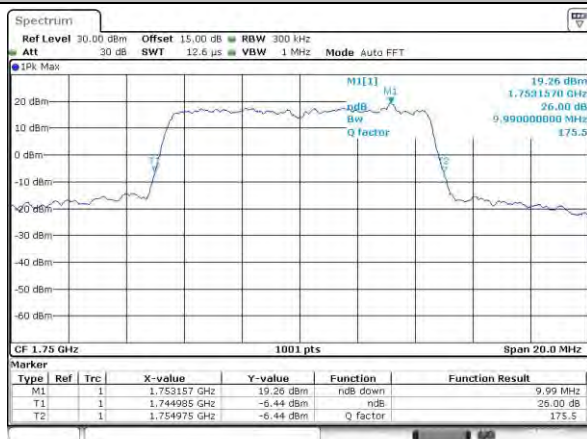
Middle Channel / 10MHz / QPSK



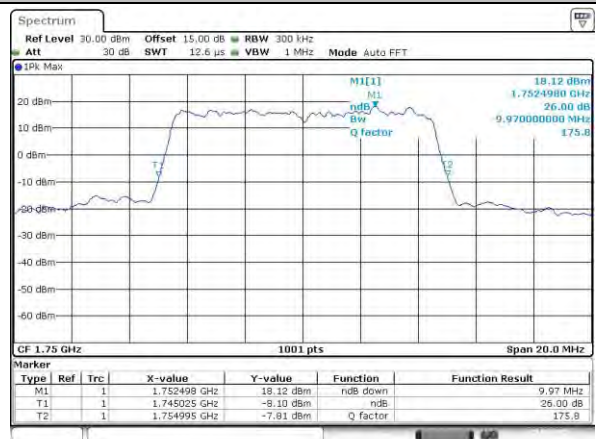
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



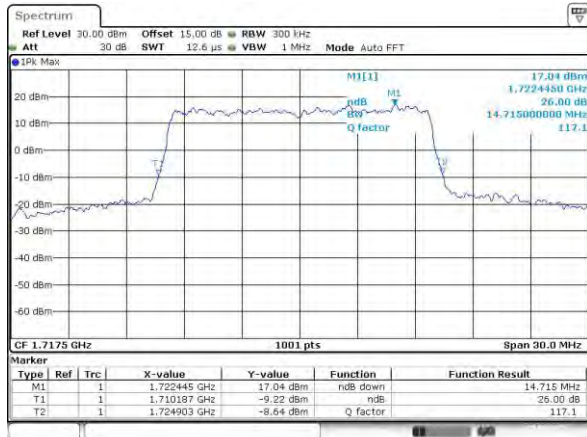
Highest Channel / 10MHz / 16QAM



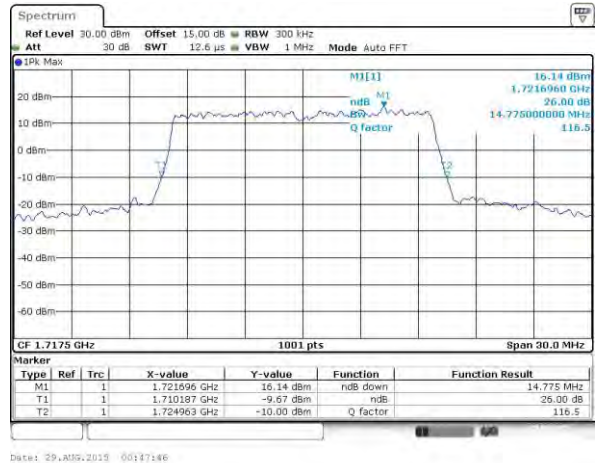


LTE Band 4

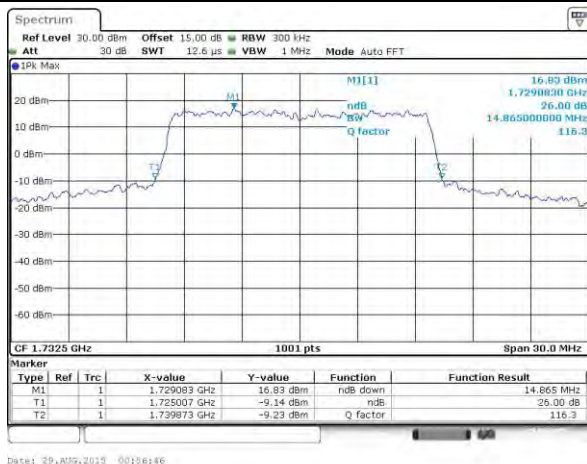
Lowest Channel / 15MHz / QPSK



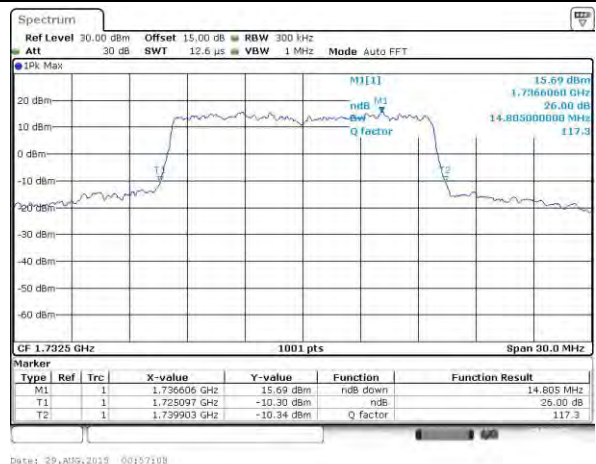
Lowest Channel / 15MHz / 16QAM



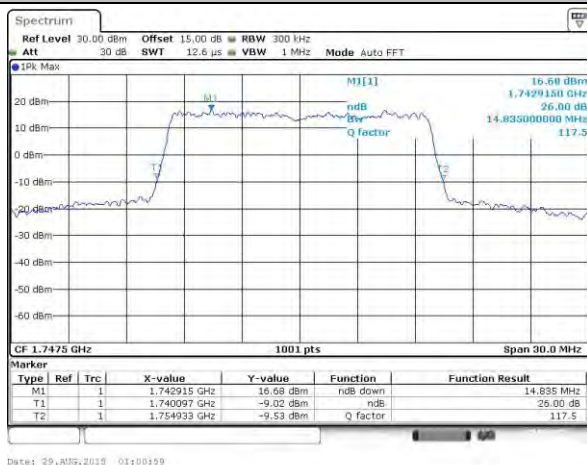
Middle Channel / 15MHz / QPSK



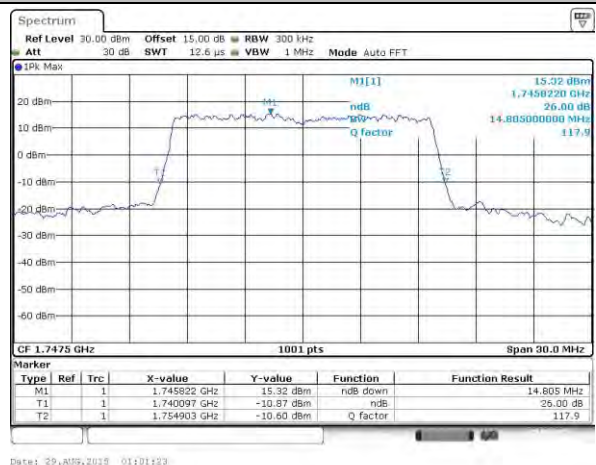
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



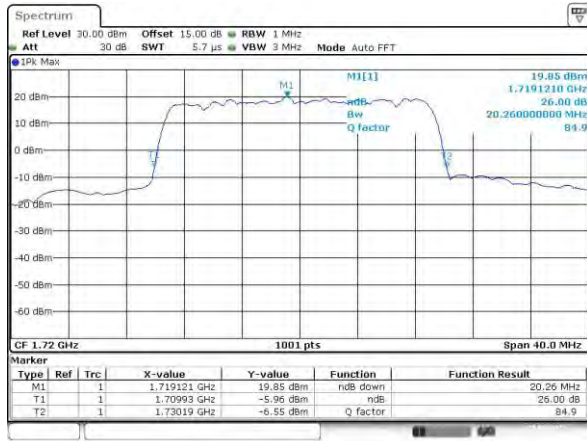
Highest Channel / 15MHz / 16QAM



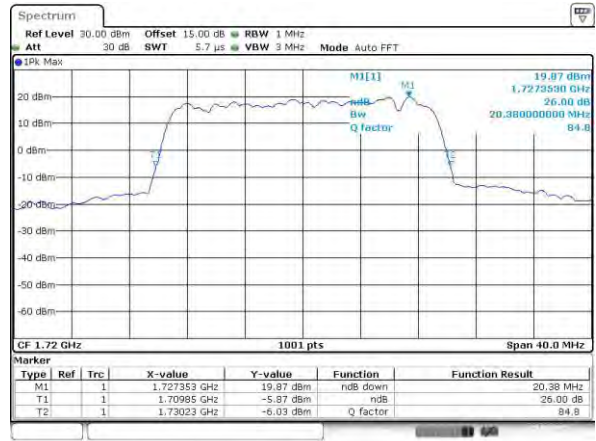


LTE Band 4

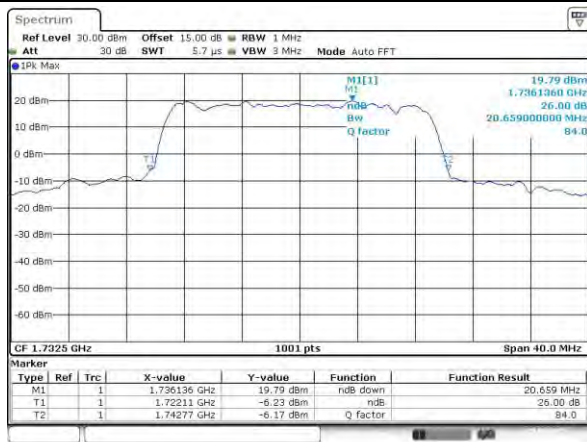
Lowest Channel / 20MHz / QPSK



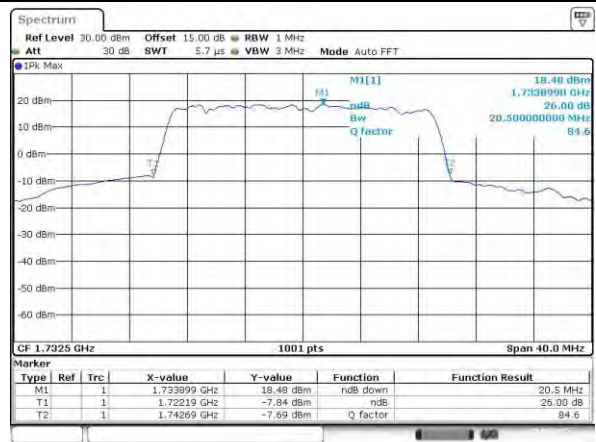
Lowest Channel / 20MHz / 16QAM



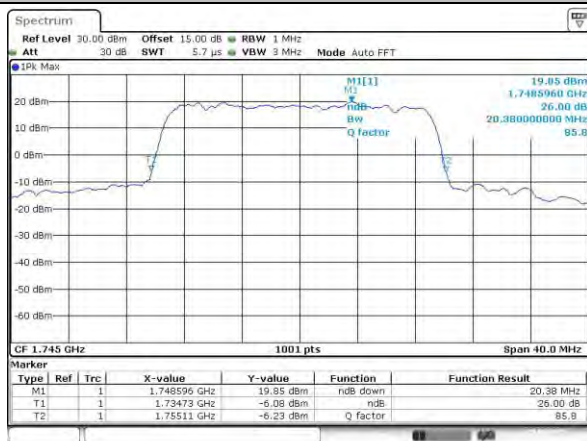
Middle Channel / 20MHz / QPSK



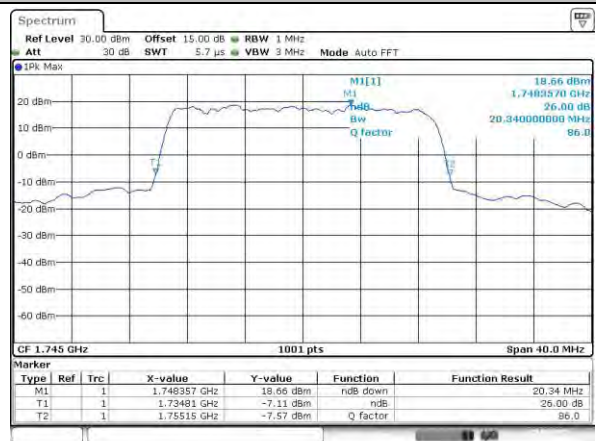
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



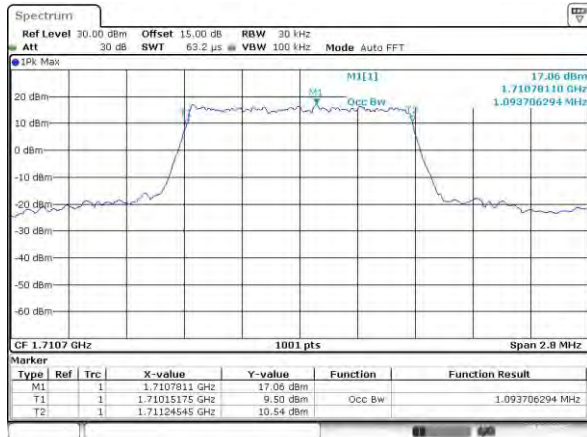
**Occupied Bandwidth**

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	2.73	2.72	4.51	4.51	9.05	8.99	13.46	13.49	18.34	18.46
Middle CH	1.10	1.10	2.74	2.72	4.53	4.52	9.11	9.03	13.52	13.46	18.42	18.46
Highest CH	1.10	1.10	2.73	2.72	4.50	4.50	9.05	9.01	13.55	13.46	18.42	18.46

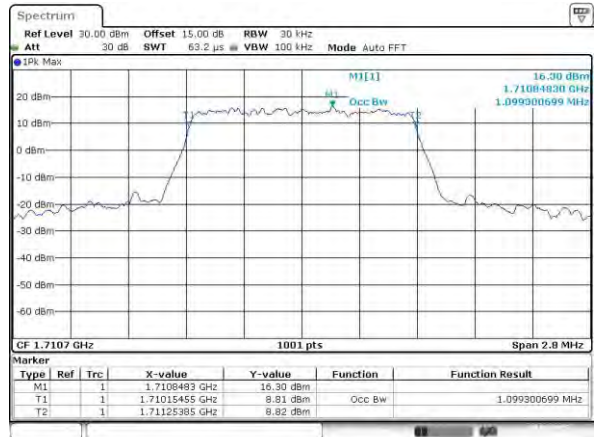


LTE Band 4

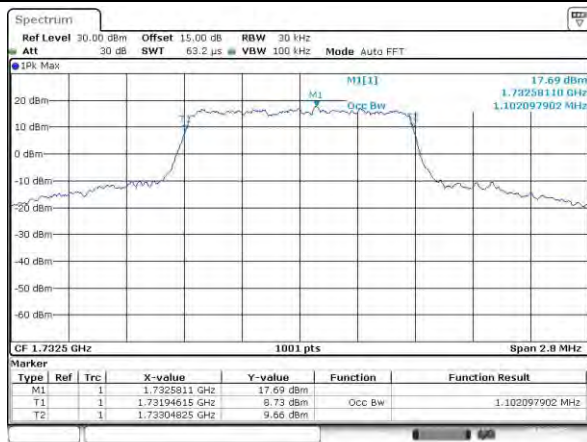
Lowest Channel / 1.4MHz / QPSK



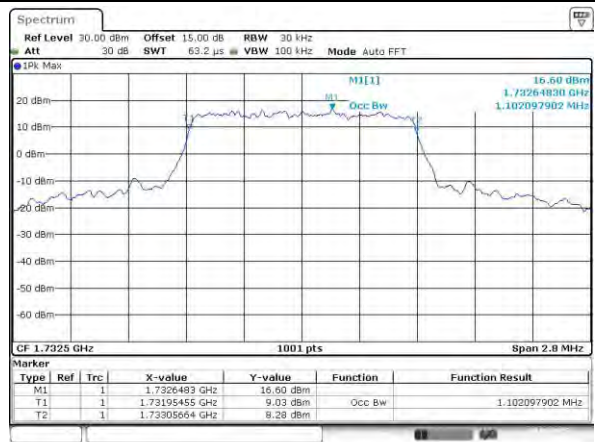
Lowest Channel / 1.4MHz / 16QAM



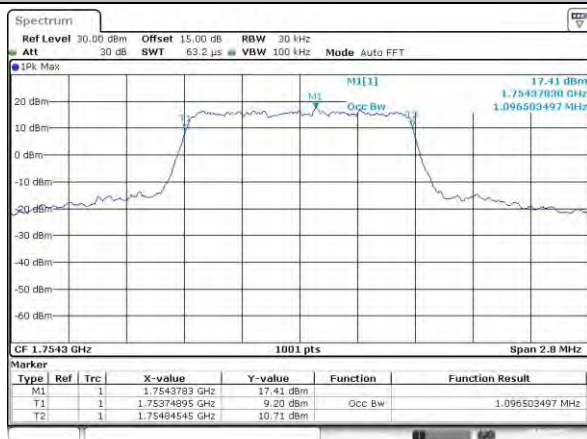
Middle Channel / 1.4MHz / QPSK



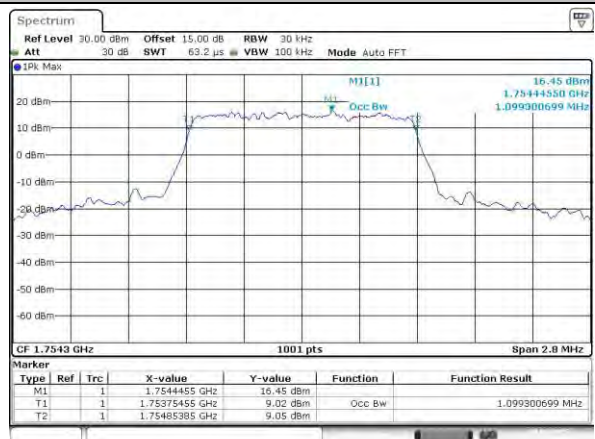
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



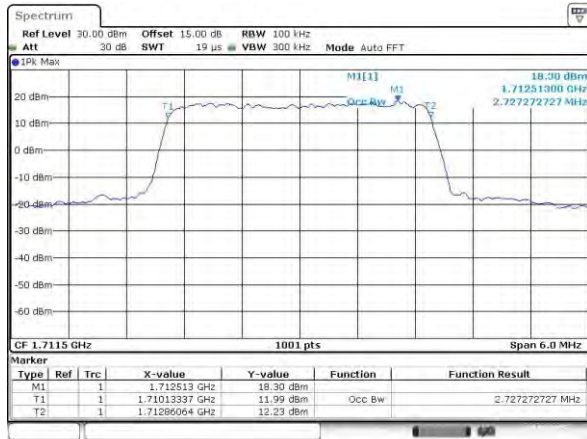
Highest Channel / 1.4MHz / 16QAM



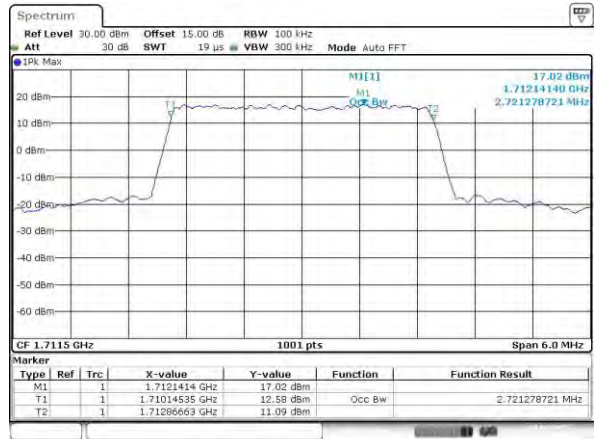


LTE Band 4

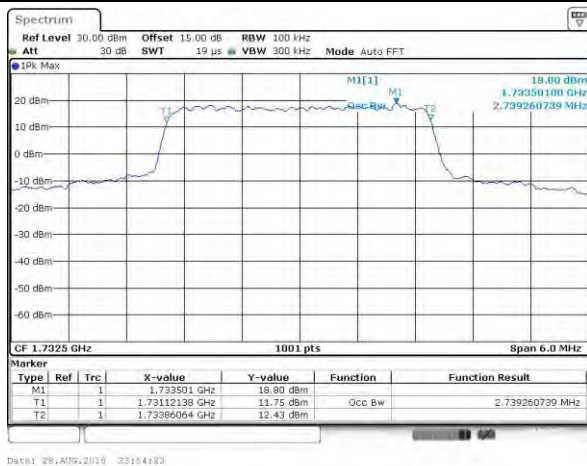
Lowest Channel / 3MHz / QPSK



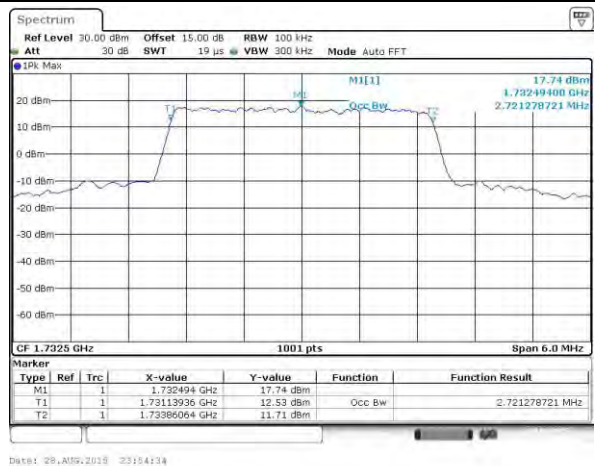
Lowest Channel / 3MHz / 16QAM



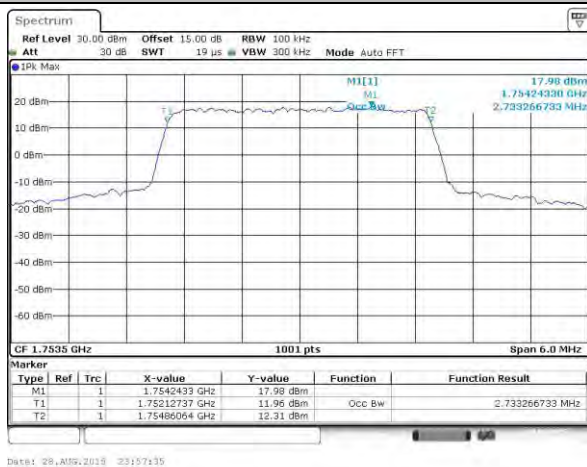
Middle Channel / 3MHz / QPSK



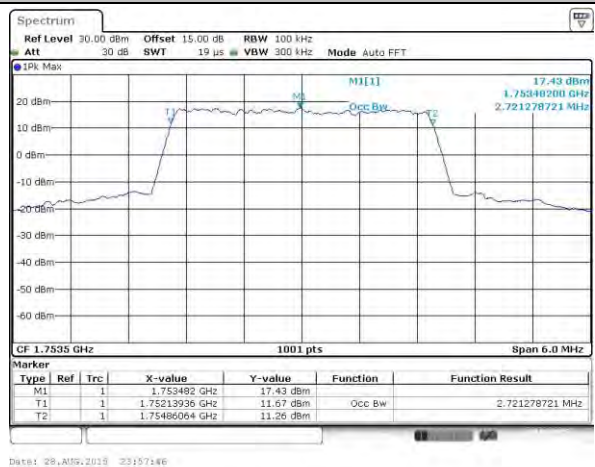
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



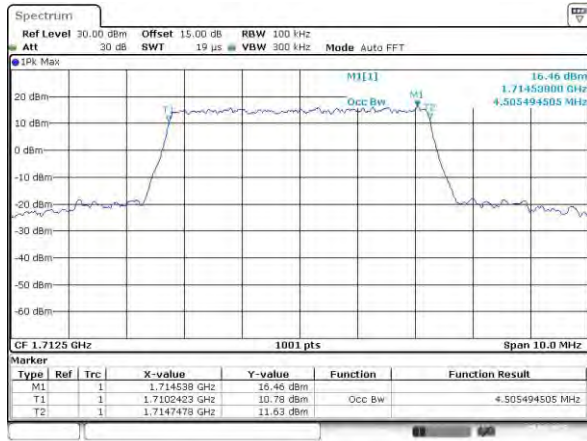
Highest Channel / 3MHz / 16QAM



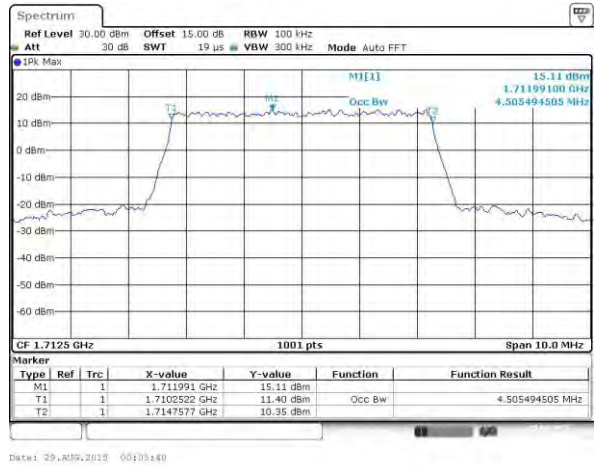


LTE Band 4

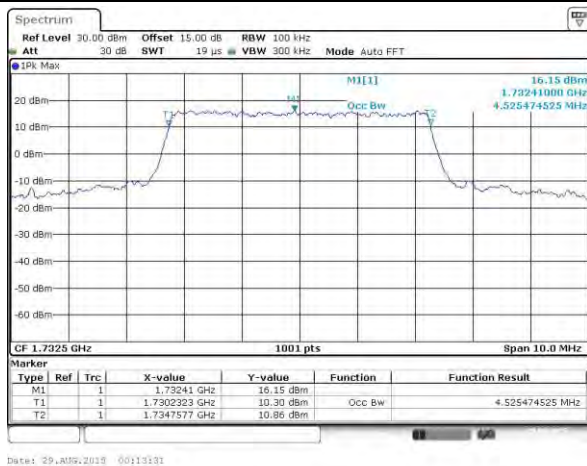
Lowest Channel / 5MHz / QPSK



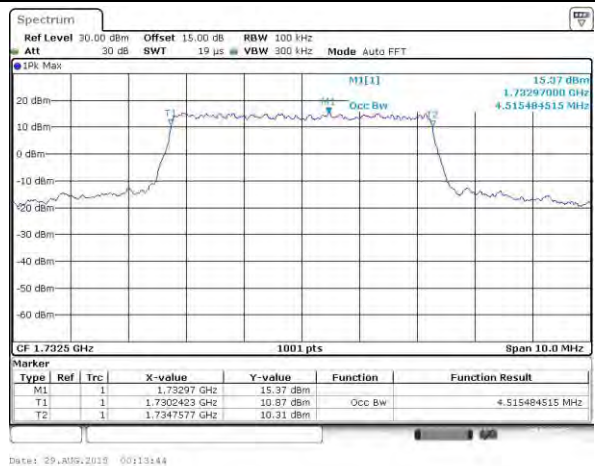
Lowest Channel / 5MHz / 16QAM



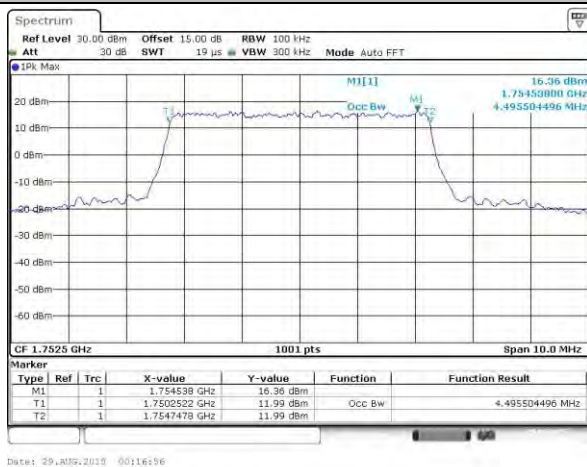
Middle Channel / 5MHz / QPSK



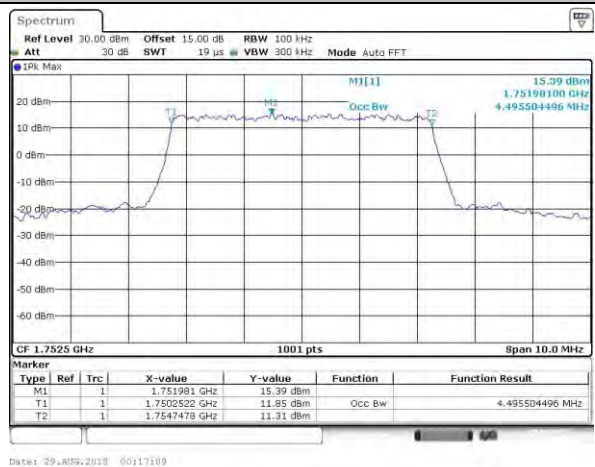
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



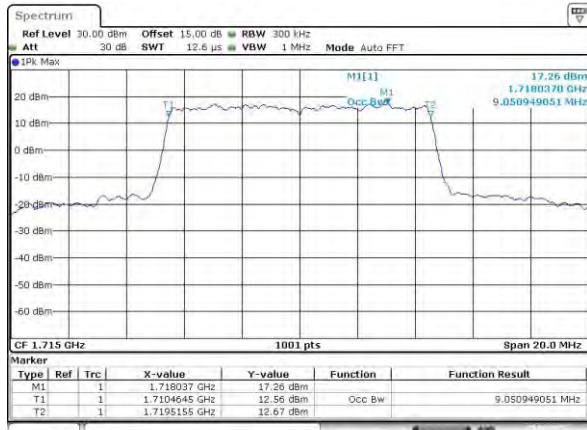
Highest Channel / 5MHz / 16QAM



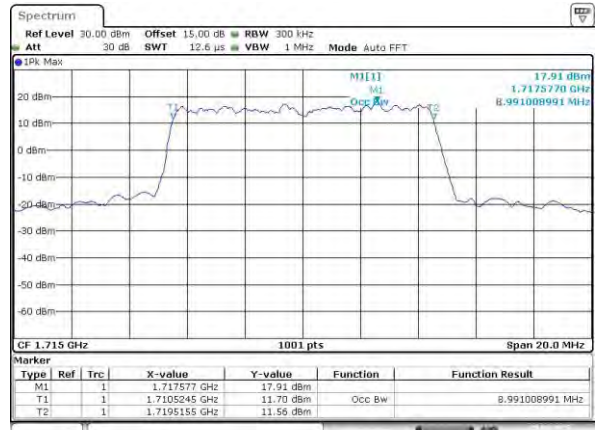


LTE Band 4

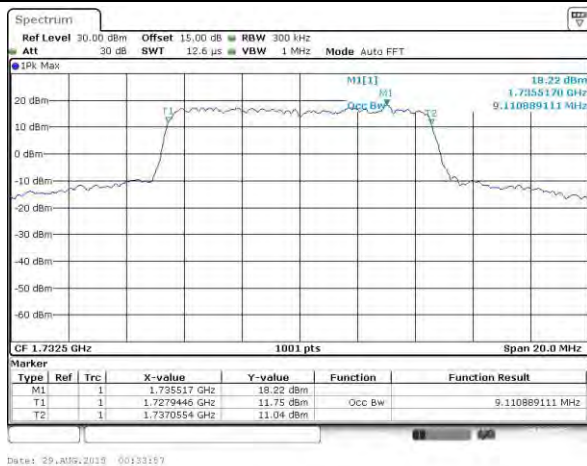
Lowest Channel / 10MHz / QPSK



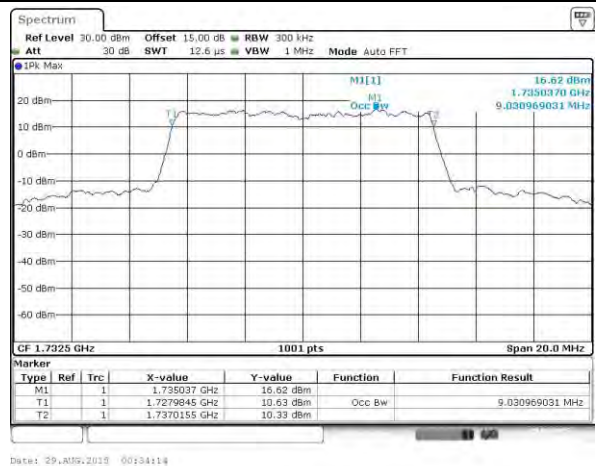
Lowest Channel / 10MHz / 16QAM



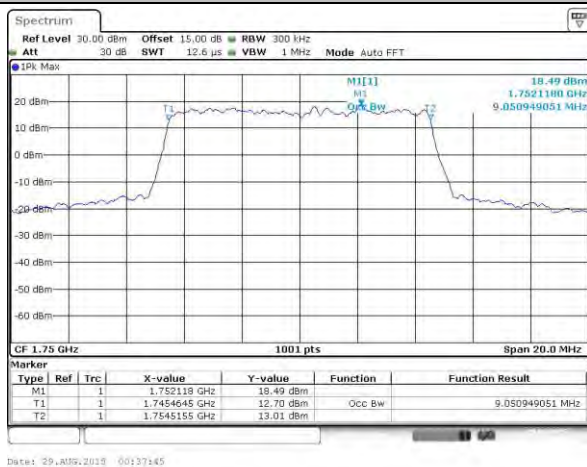
Middle Channel / 10MHz / QPSK



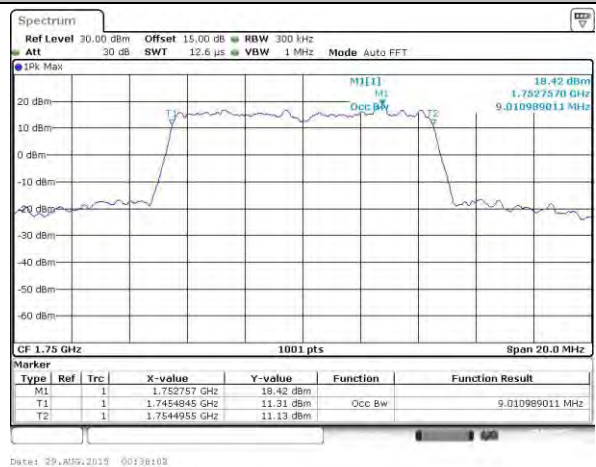
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



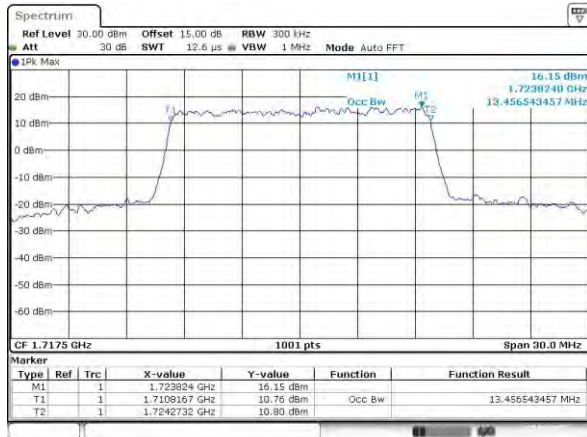
Highest Channel / 10MHz / 16QAM





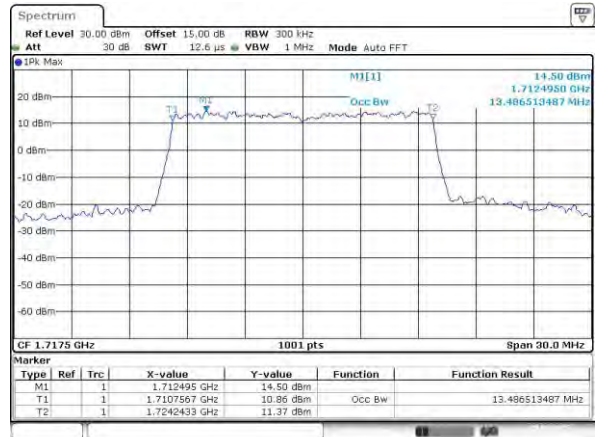
LTE Band 4

Lowest Channel / 15MHz / QPSK



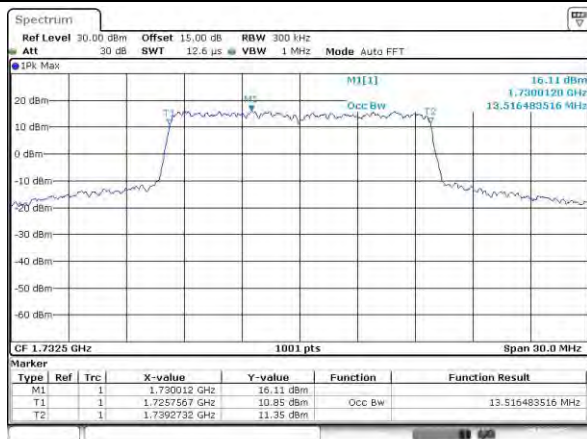
Date: 29.AUG.2015 00:46:46

Lowest Channel / 15MHz / 16QAM



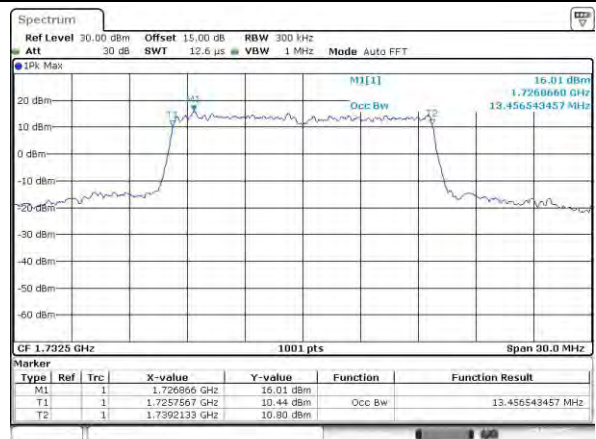
Date: 29.AUG.2015 00:17:05

Middle Channel / 15MHz / QPSK



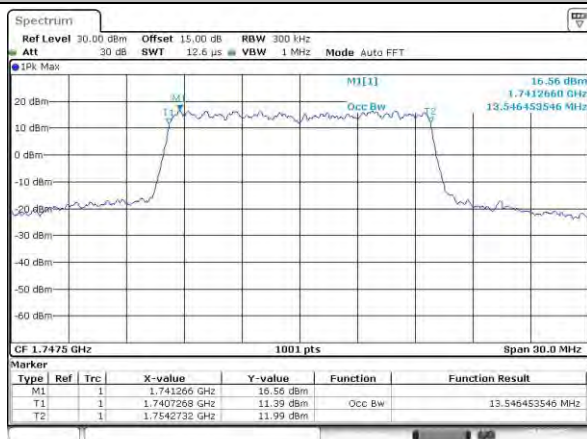
Date: 29.AUG.2015 00:06:03

Middle Channel / 15MHz / 16QAM



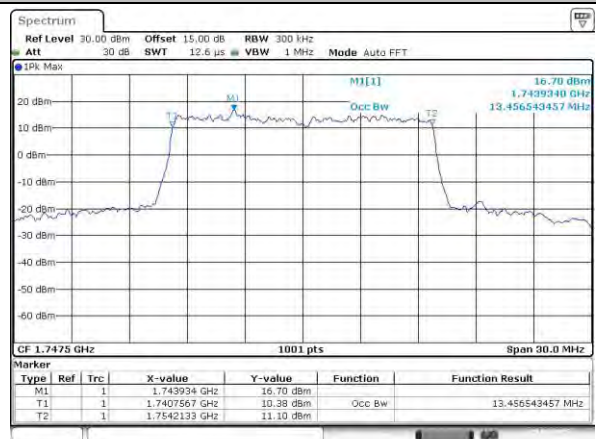
Date: 29.AUG.2015 00:06:03

Highest Channel / 15MHz / QPSK



Date: 29.AUG.2015 01:00:14

Highest Channel / 15MHz / 16QAM

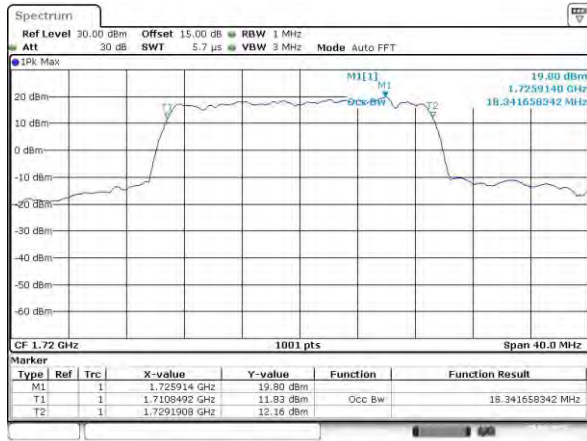


Date: 29.AUG.2015 01:00:35

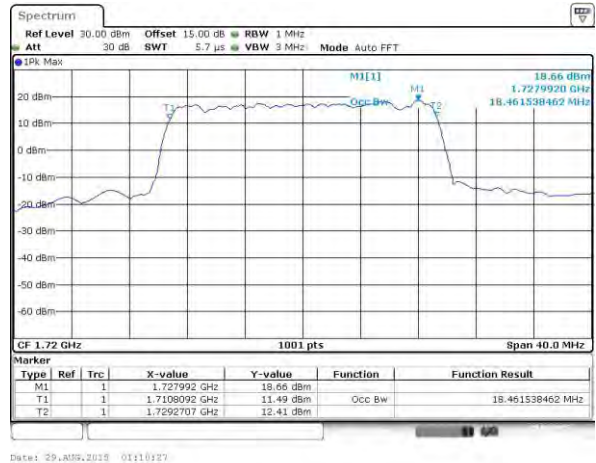


LTE Band 4

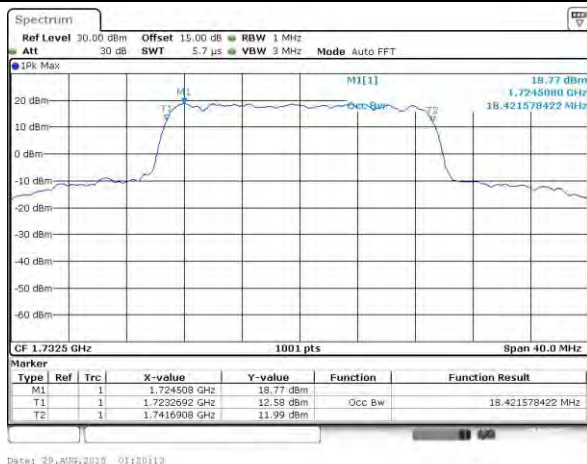
Lowest Channel / 20MHz / QPSK



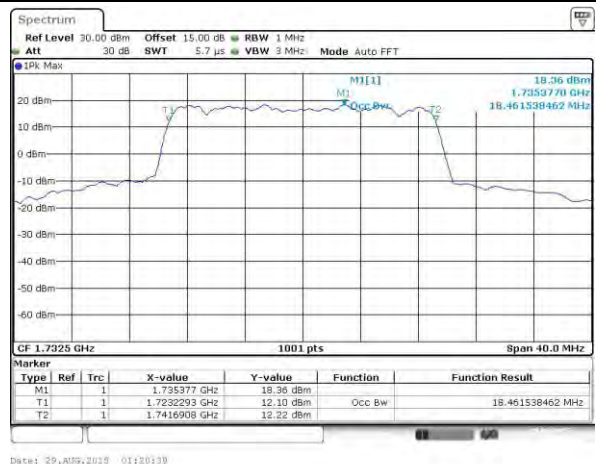
Lowest Channel / 20MHz / 16QAM



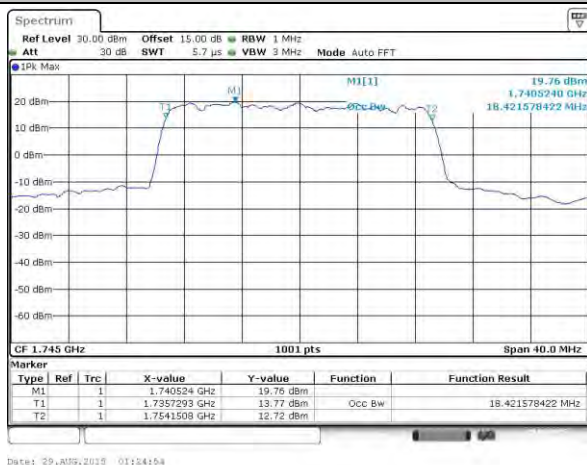
Middle Channel / 20MHz / QPSK



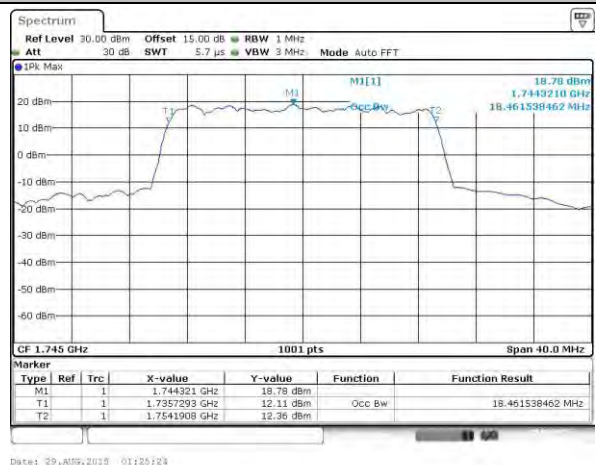
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

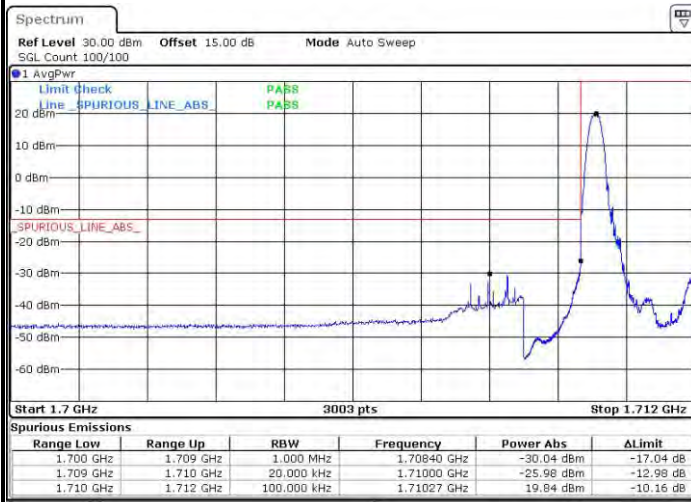


**Conducted Band Edge****LTE Band 4 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 28.AUG.2015 23:30:28

Highest Band Edge / 1 RB



Date: 28.AUG.2015 23:41:34

Lowest Band Edge / Full RB



Date: 31.AUG.2015 20:44:12

Highest Band Edge / Full RB

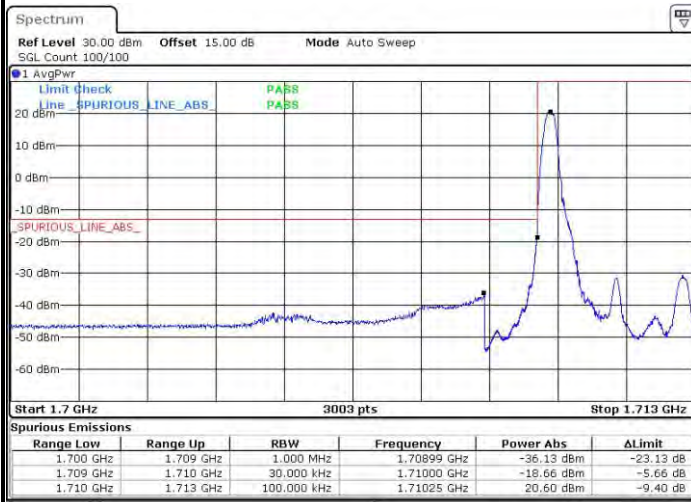


Date: 28.AUG.2015 23:43:54

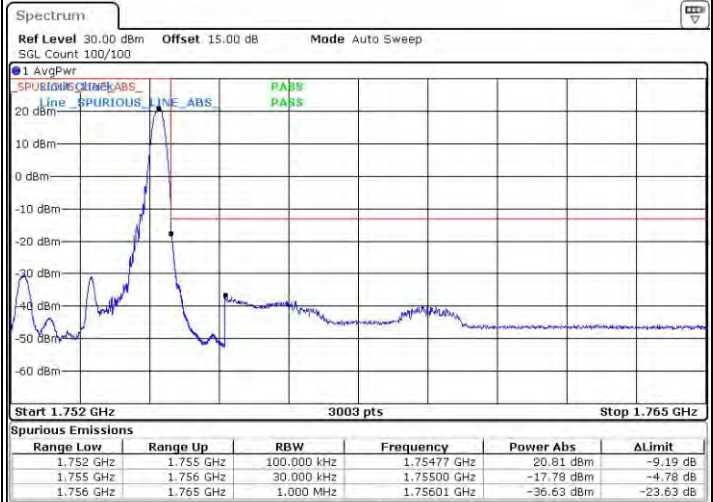


LTE Band 4 / 3MHz / QPSK

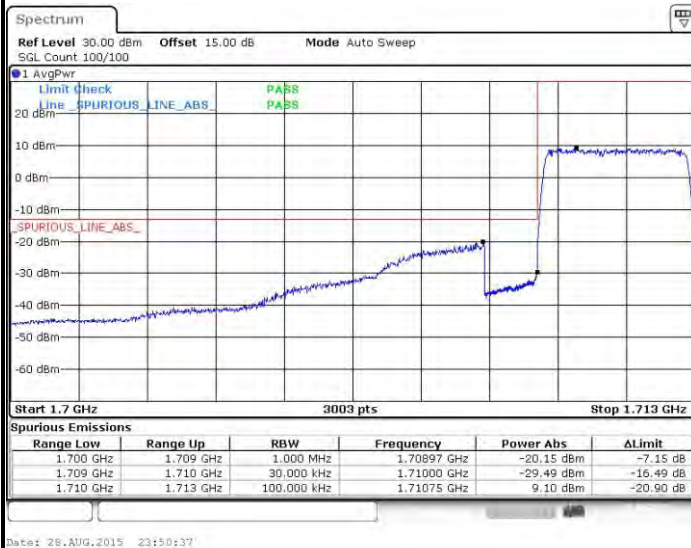
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



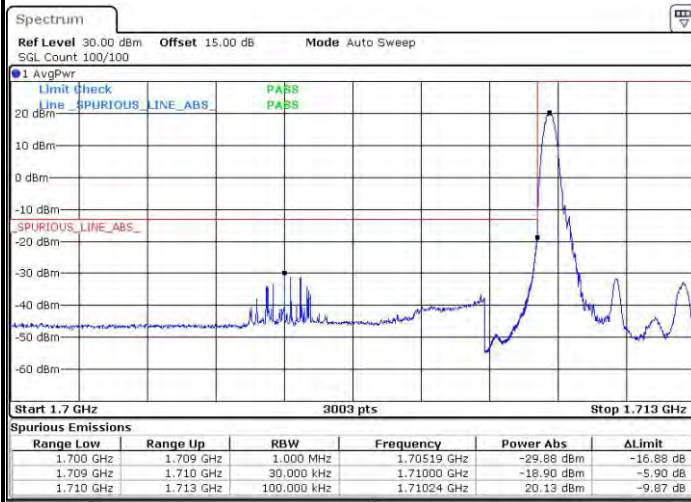
Highest Band Edge / Full RB



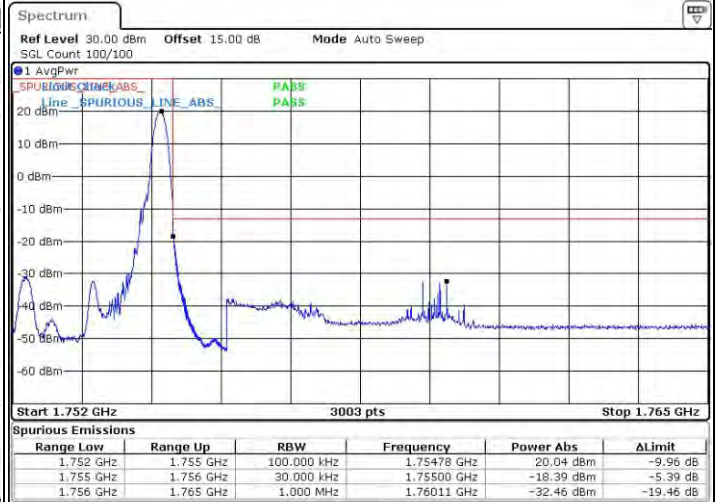


LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



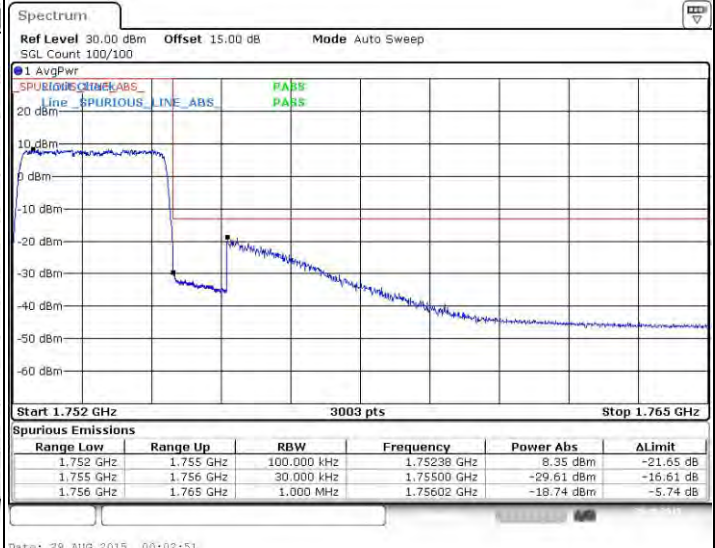
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



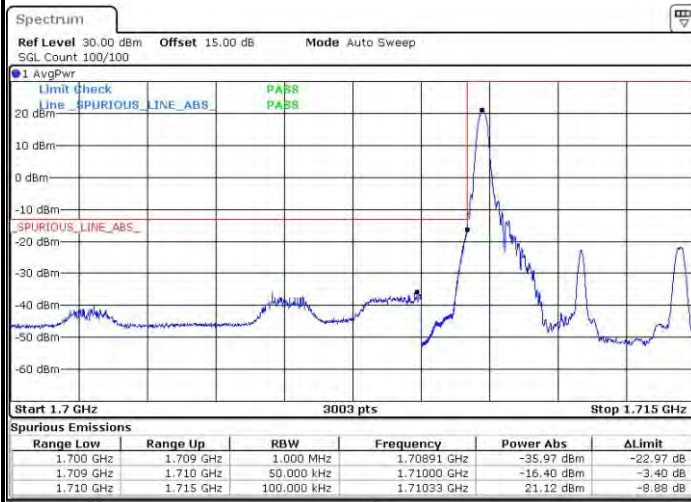
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / QPSK

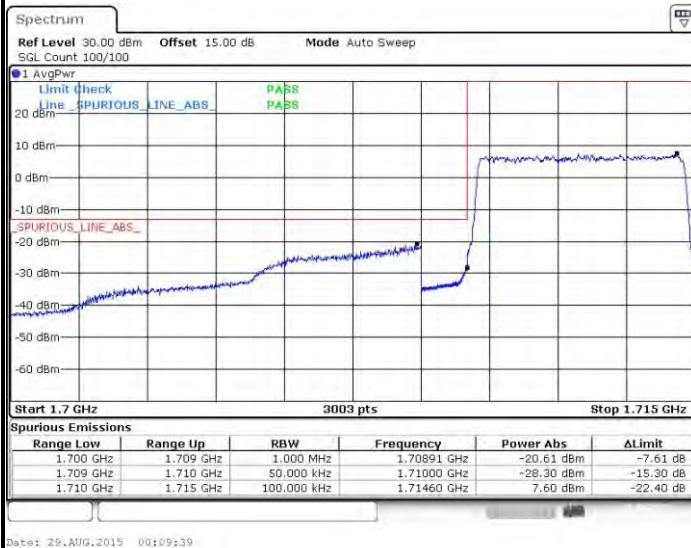
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



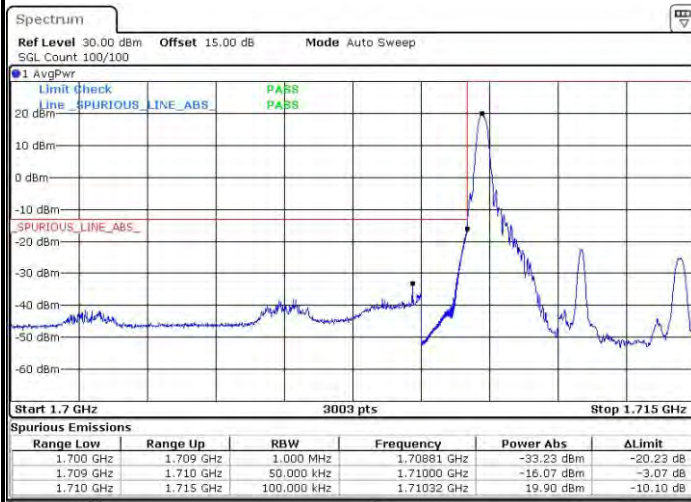
Highest Band Edge / Full RB





LTE Band 4 / 5MHz / 16QAM

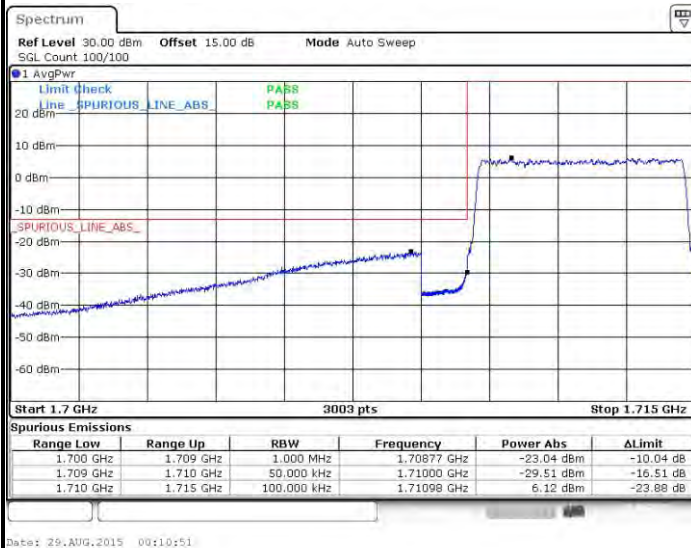
Lowest Band Edge / 1RB



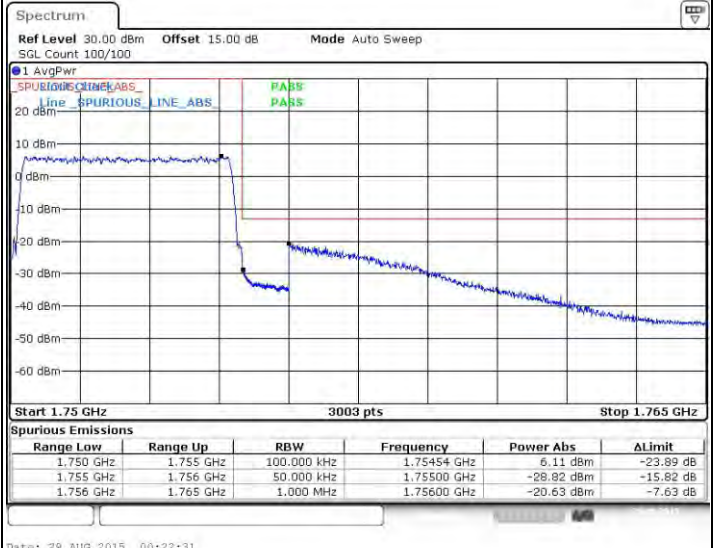
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



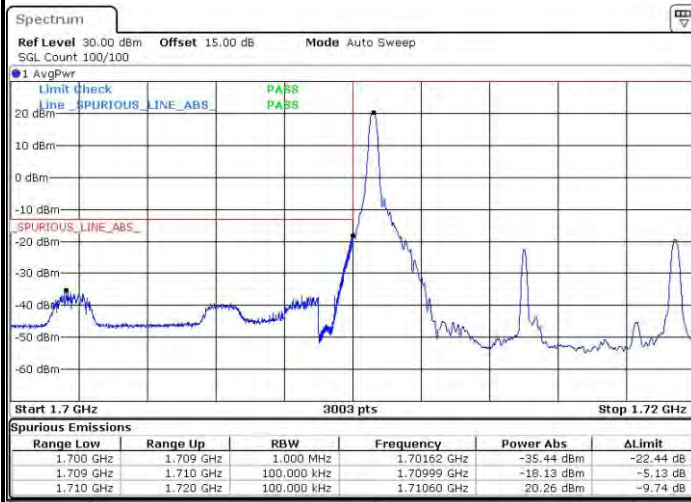
Highest Band Edge / Full RB





LTE Band 4 / 10MHz / QPSK

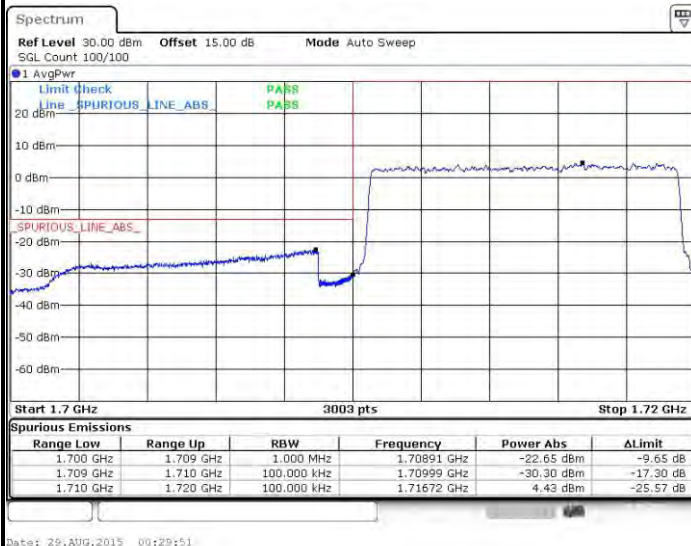
Lowest Band Edge / 1 RB



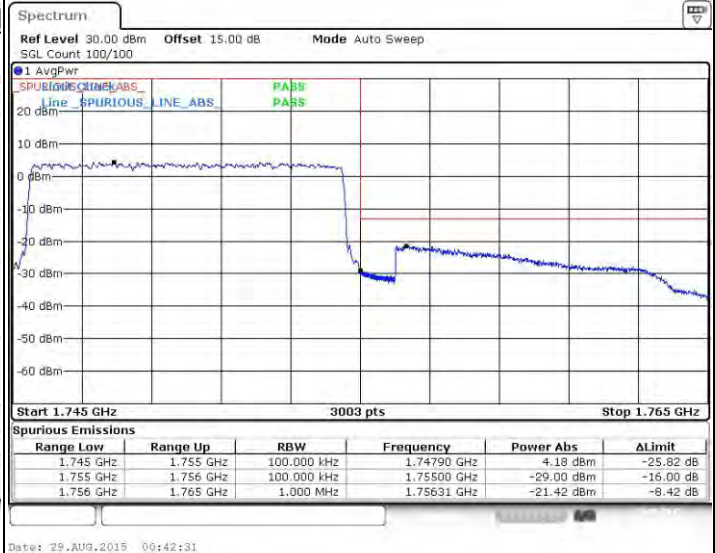
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



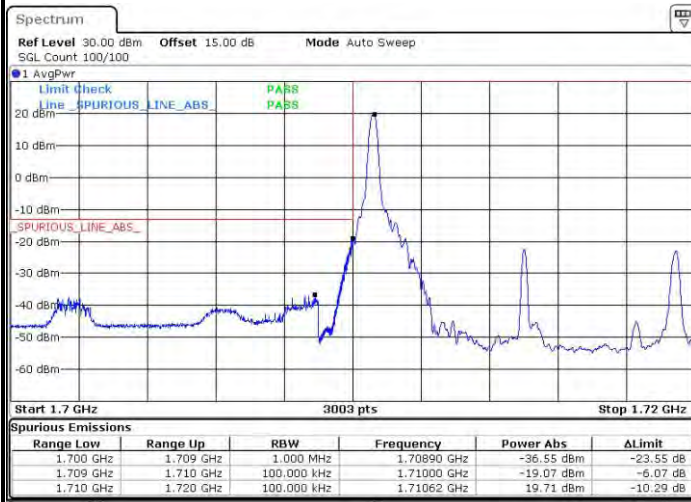
Highest Band Edge / Full RB



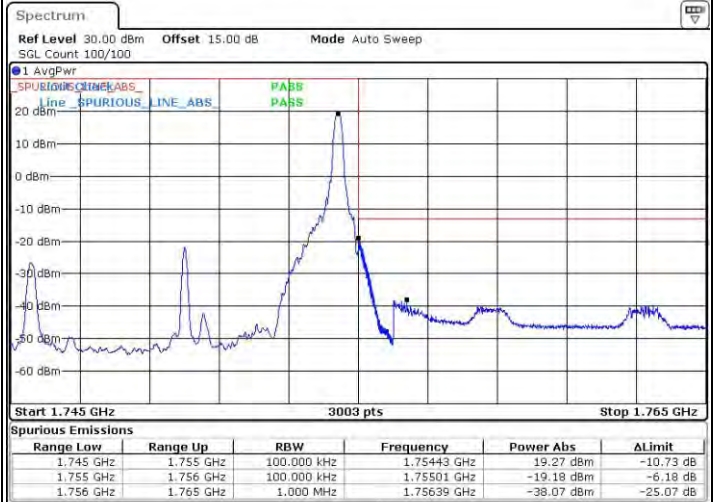


LTE Band 4 / 10MHz / 16QAM

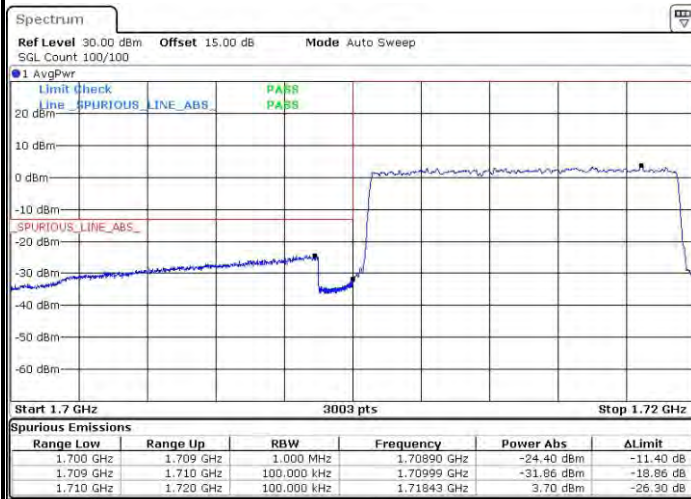
Lowest Band Edge / 1 RB



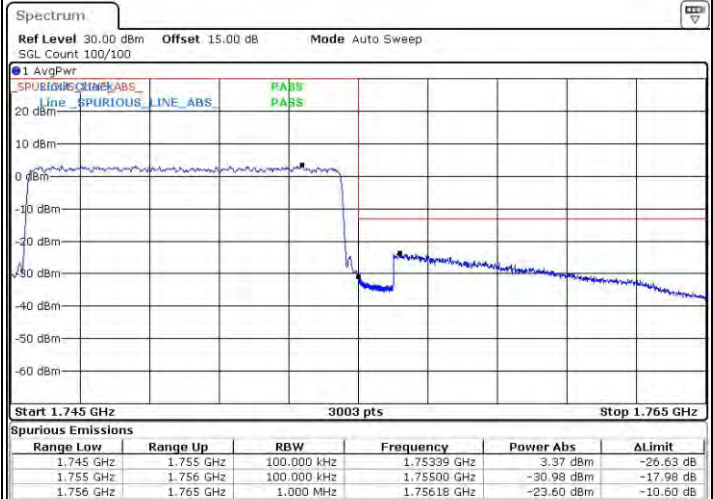
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 4 / 15MHz / QPSK

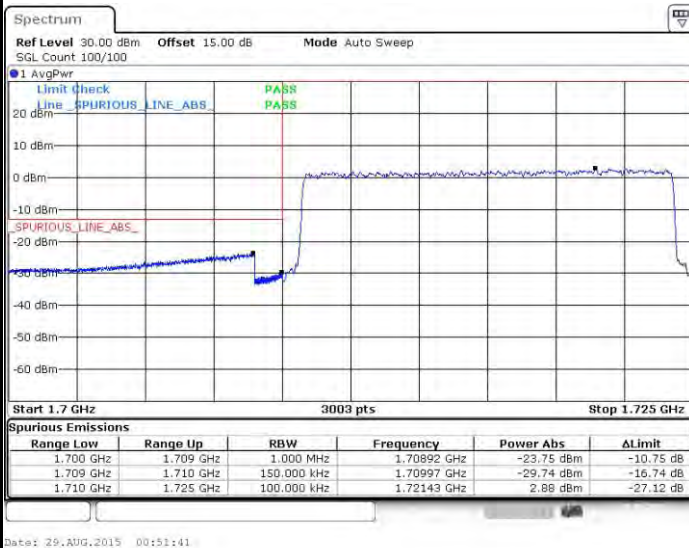
Lowest Band Edge / 1 RB



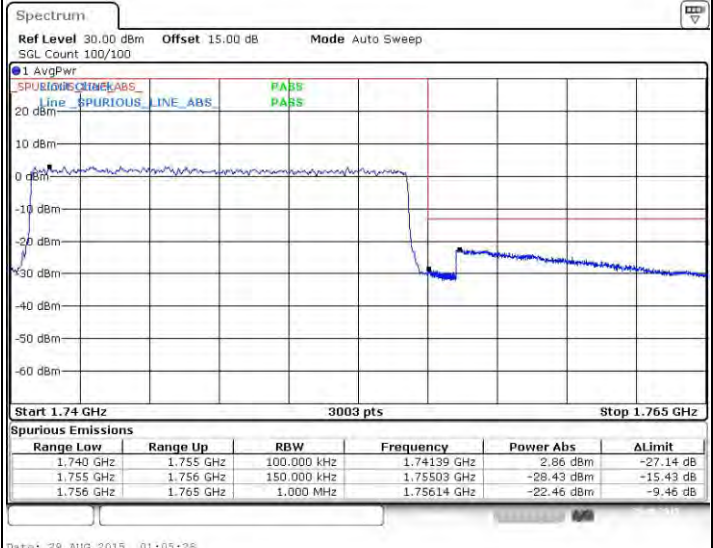
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



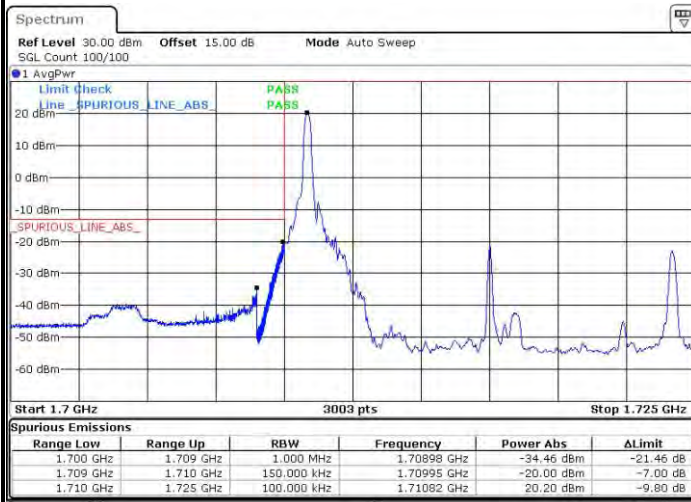
Highest Band Edge / Full RB





LTE Band 4 / 15MHz / 16QAM

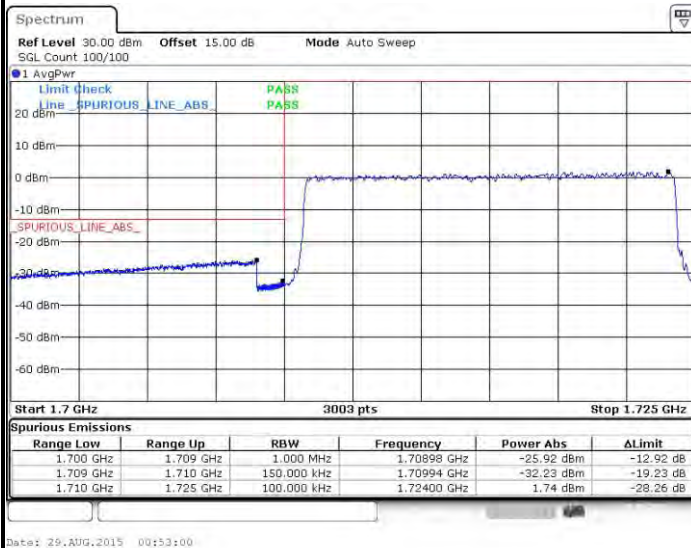
Lowest Band Edge / 1 RB



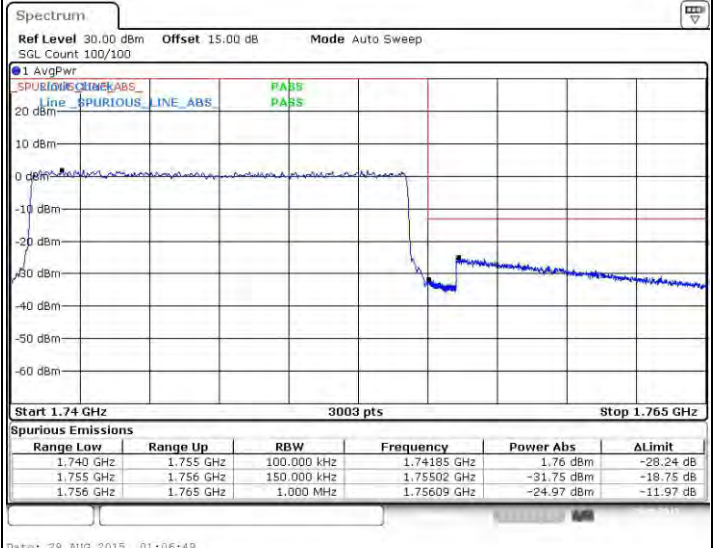
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



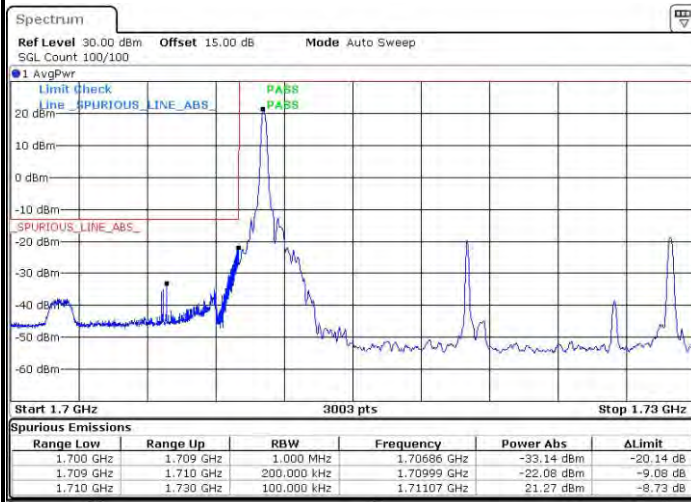
Highest Band Edge / Full RB



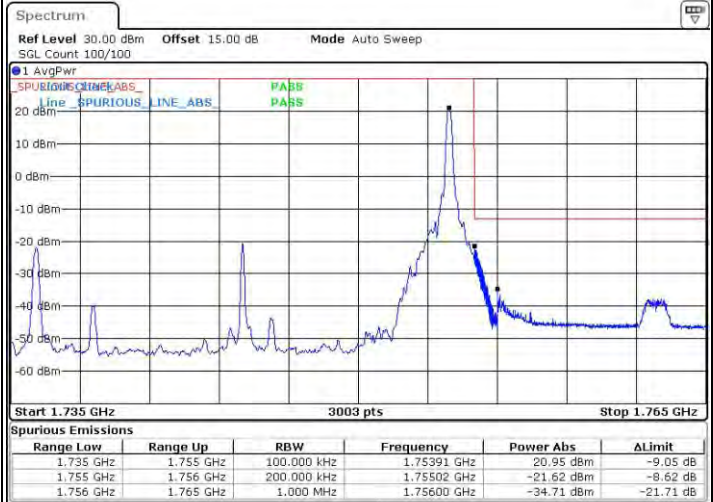


LTE Band 4 / 20MHz / QPSK

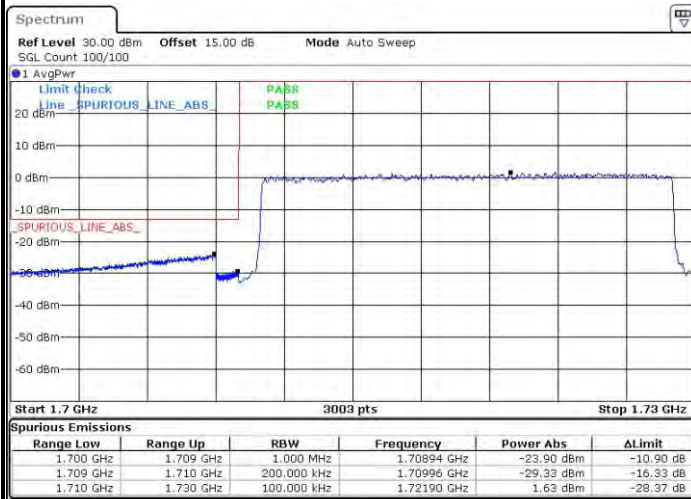
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



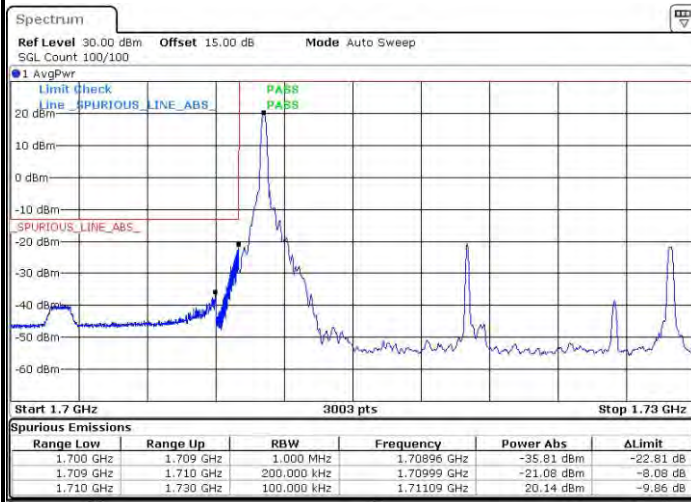
Highest Band Edge / Full RB



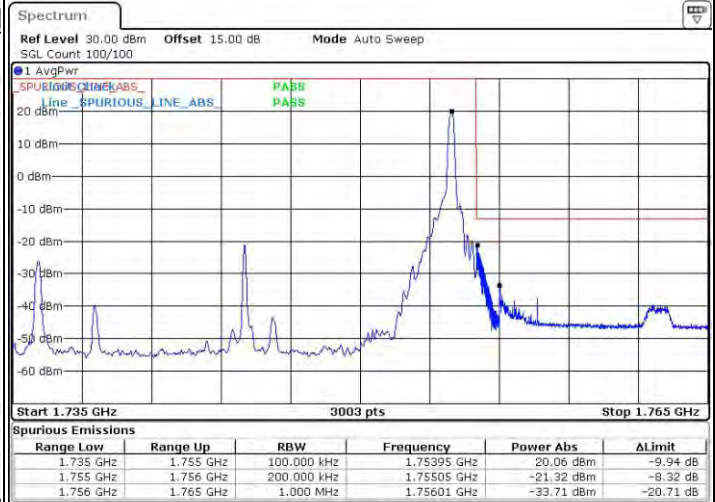


LTE Band 4 / 20MHz / 16QAM

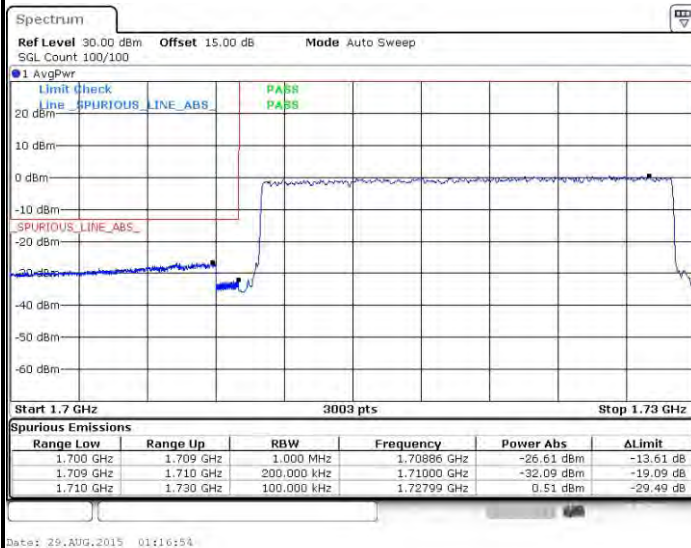
Lowest Band Edge / 1 RB



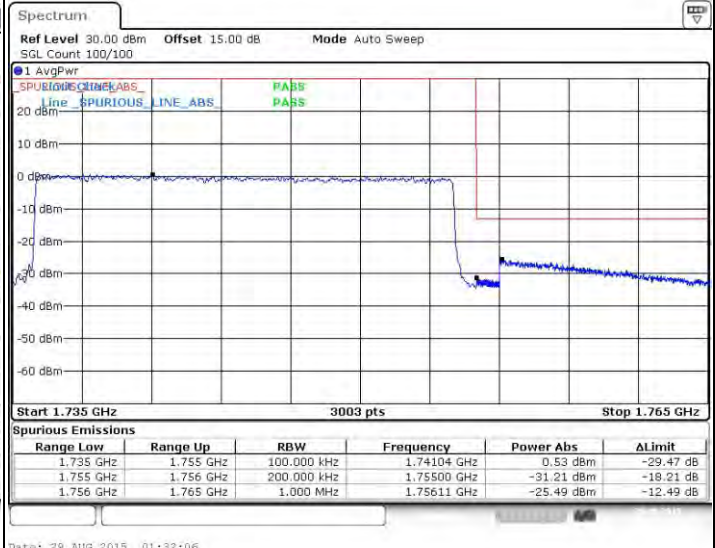
Highest Band Edge / 1 RB

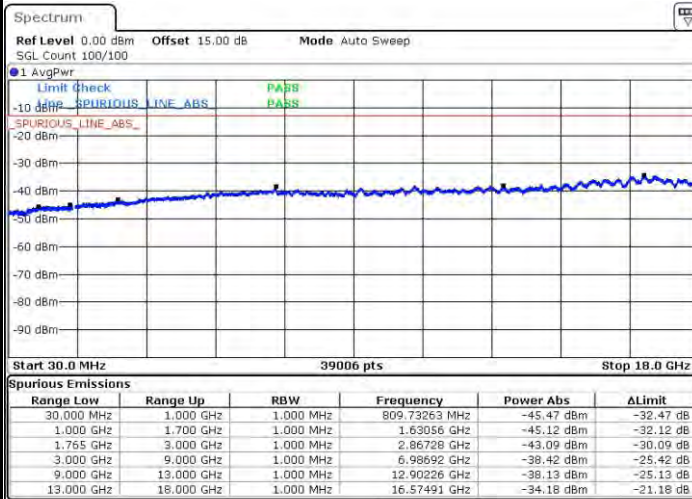


Lowest Band Edge / Full RB

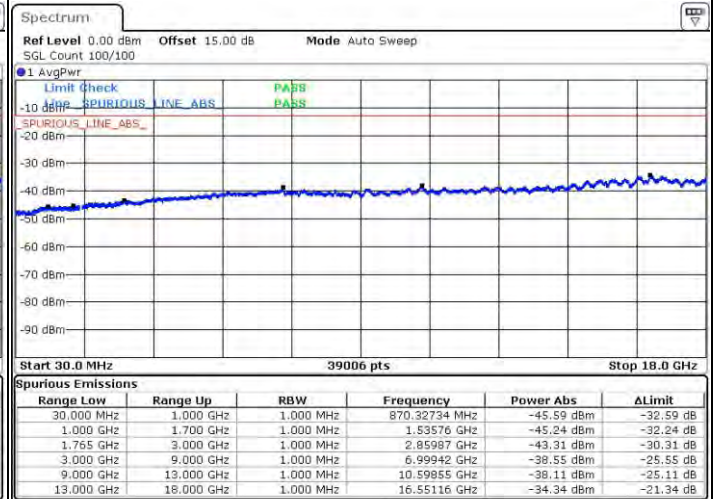


Highest Band Edge / Full RB

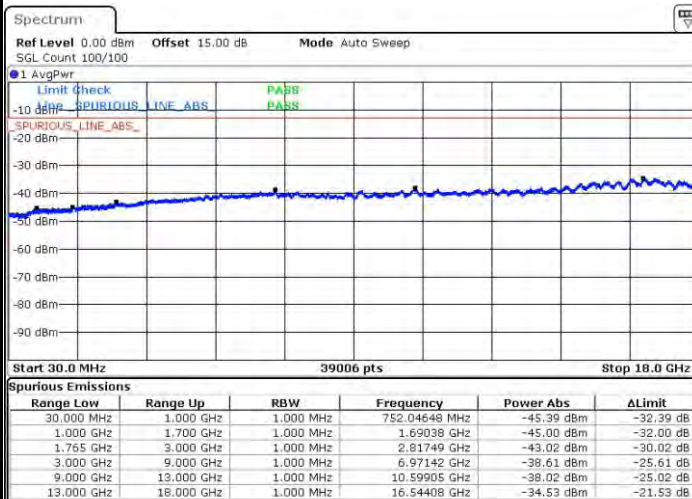


**Conducted Spurious Emission****LTE Band 4 / 1.4MHz****Lowest Channel / QPSK**

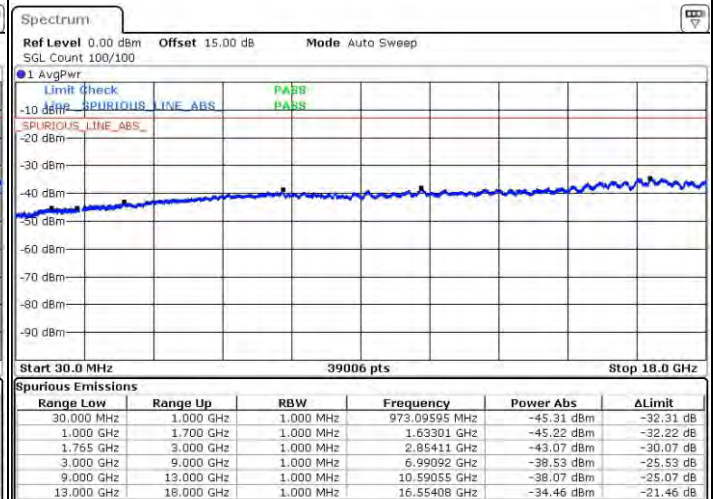
Date: 28.AUG.2015 23:34:02

Lowest Channel / 16QAM

Date: 28.AUG.2015 23:35:15

Middle Channel / QPSK

Date: 28.AUG.2015 23:37:14

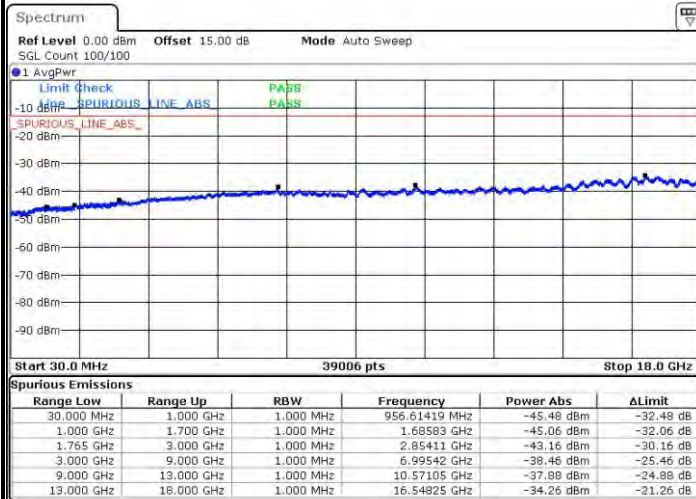
Middle Channel / 16QAM

Date: 28.AUG.2015 23:38:26



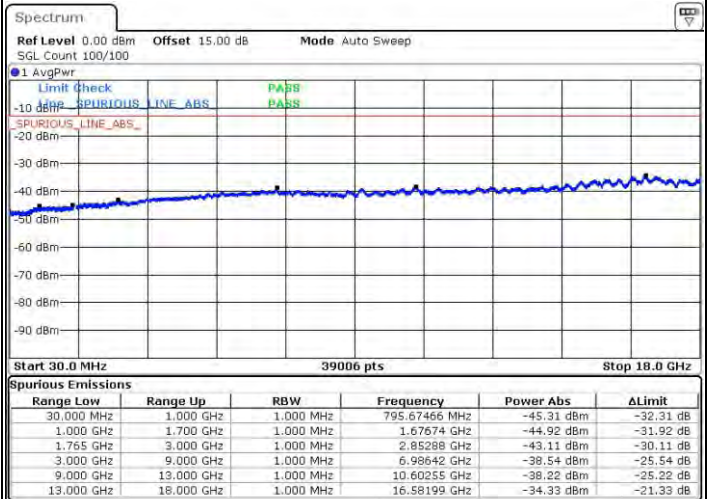
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 28.AUG.2015 23:45:07

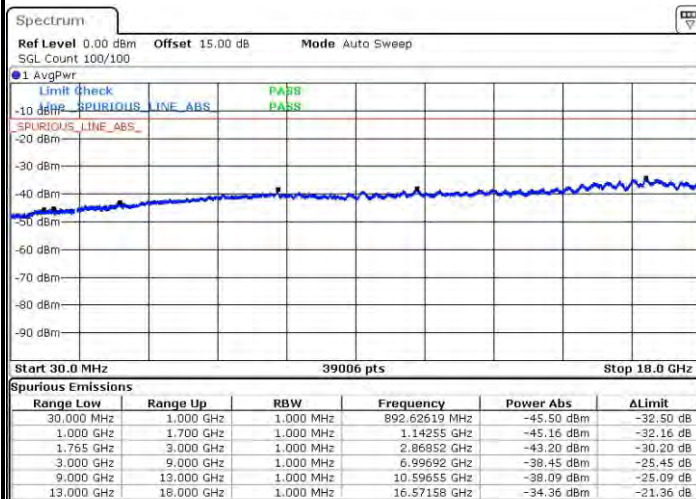
Highest Channel / 16QAM



Date: 28.AUG.2015 23:46:19

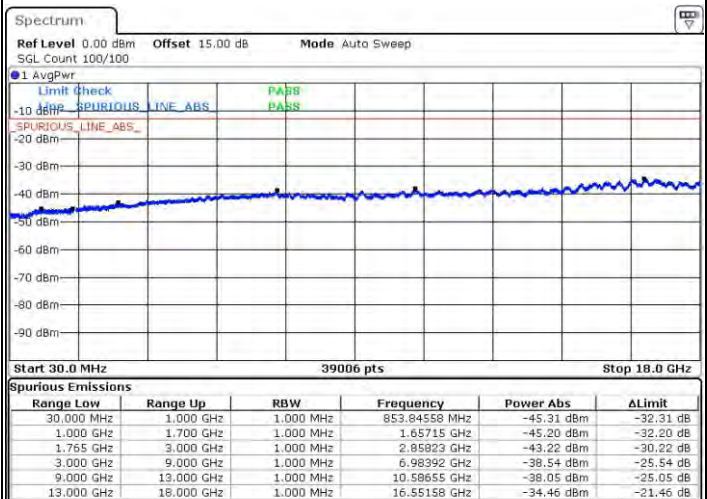
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 28.AUG.2015 23:53:08

Lowest Channel / 16QAM

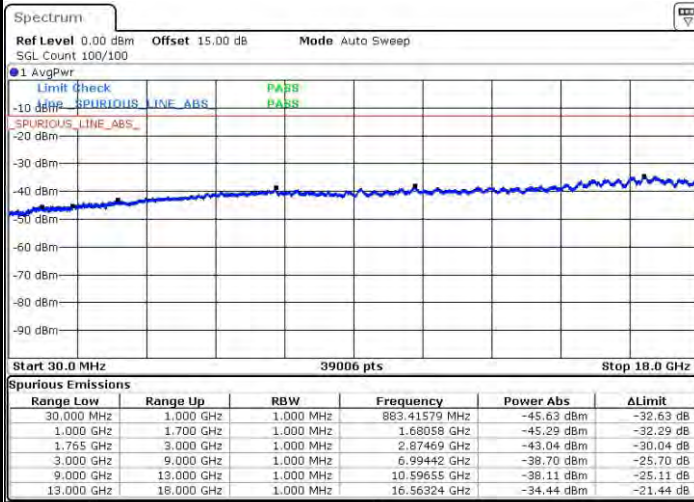


Date: 28.AUG.2015 23:54:12



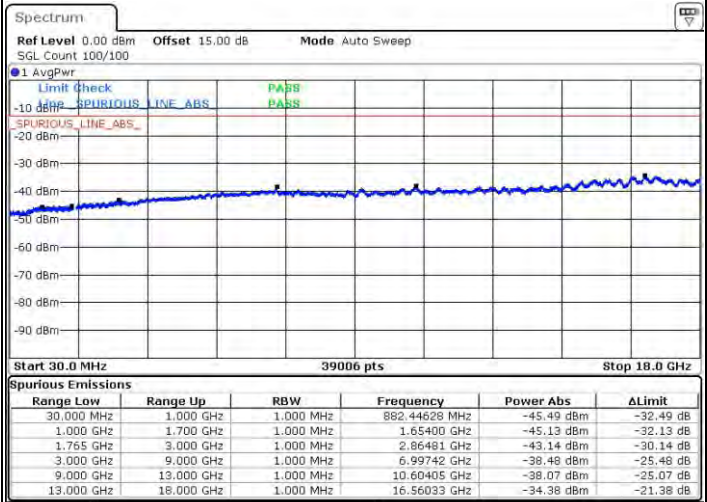
LTE Band 4 / 3MHz

Middle Channel / QPSK



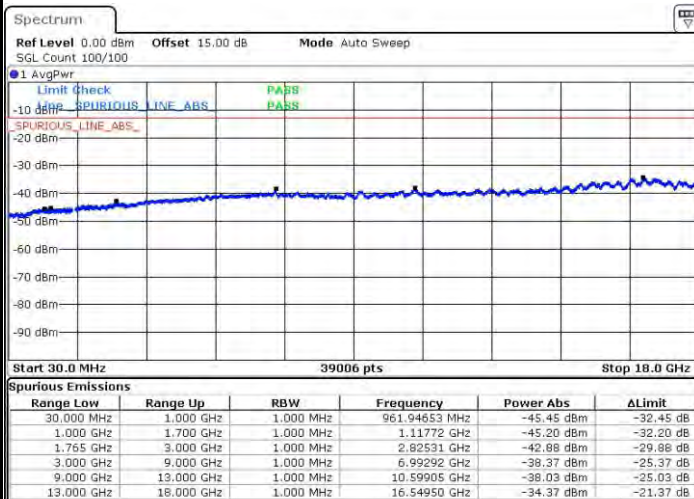
Date: 28.AUG.2015 23:56:11

Middle Channel / 16QAM



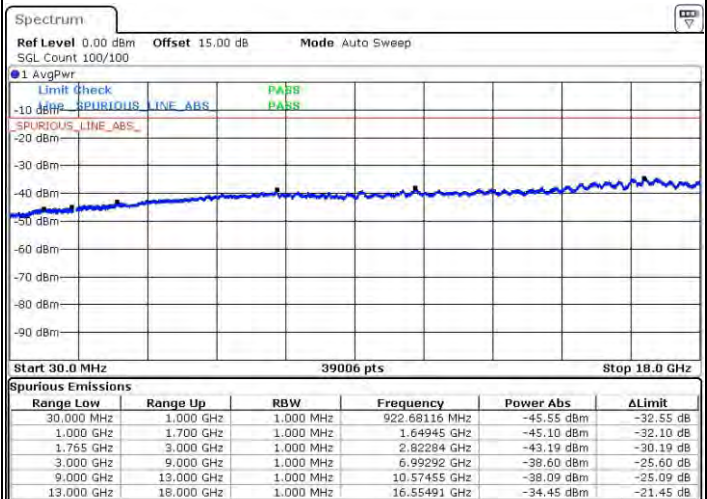
Date: 28.AUG.2015 23:57:23

Highest Channel / QPSK



Date: 28.AUG.2015 00:04:04

Highest Channel / 16QAM

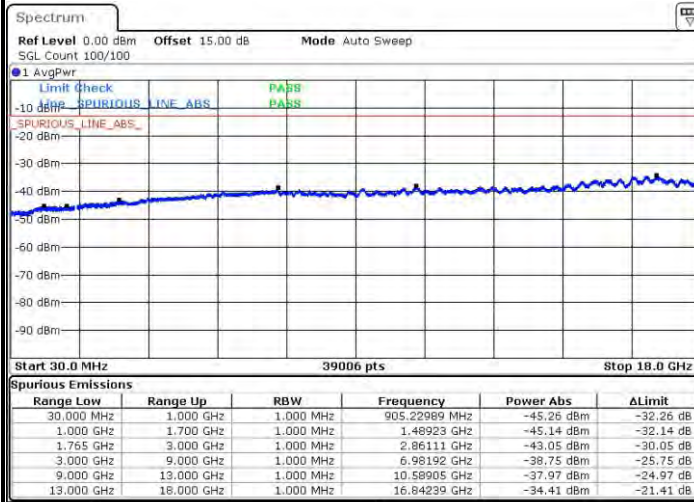


Date: 28.AUG.2015 00:05:17



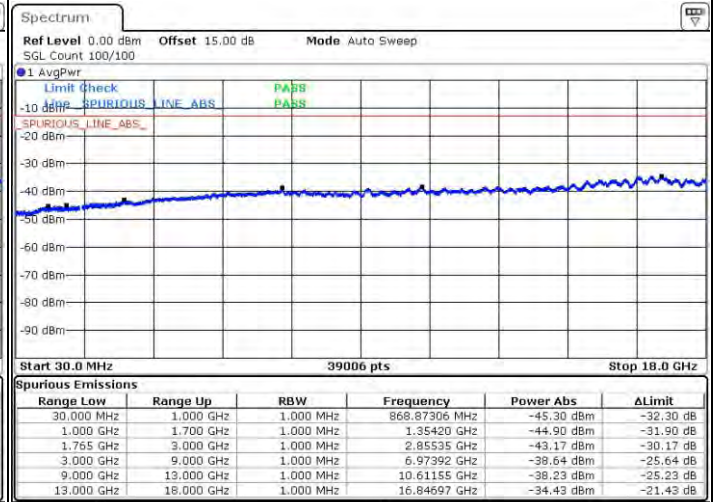
LTE Band 4 / 5MHz

Lowest Channel / QPSK



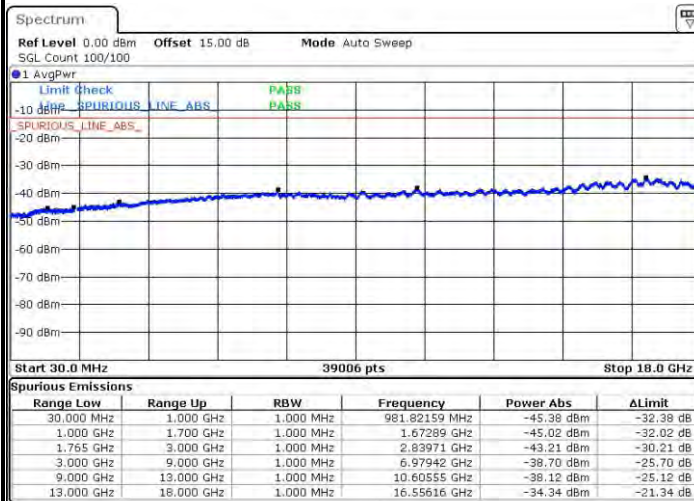
Date: 28.AUG.2015 00:12:05

Lowest Channel / 16QAM



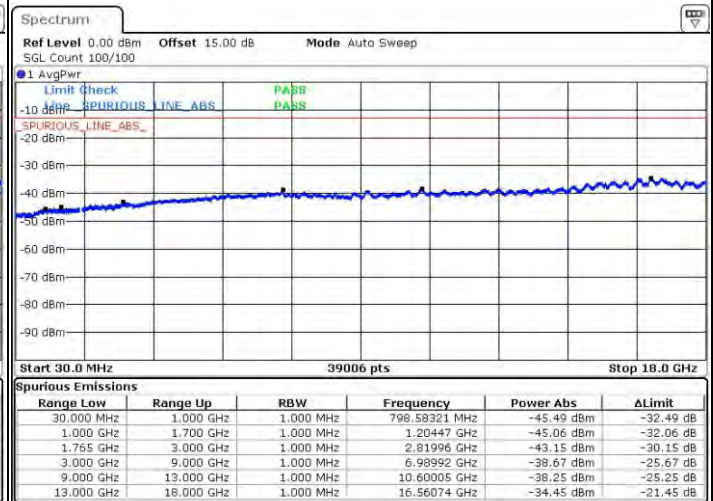
Date: 28.AUG.2015 00:13:18

Middle Channel / QPSK



Date: 28.AUG.2015 00:15:28

Middle Channel / 16QAM

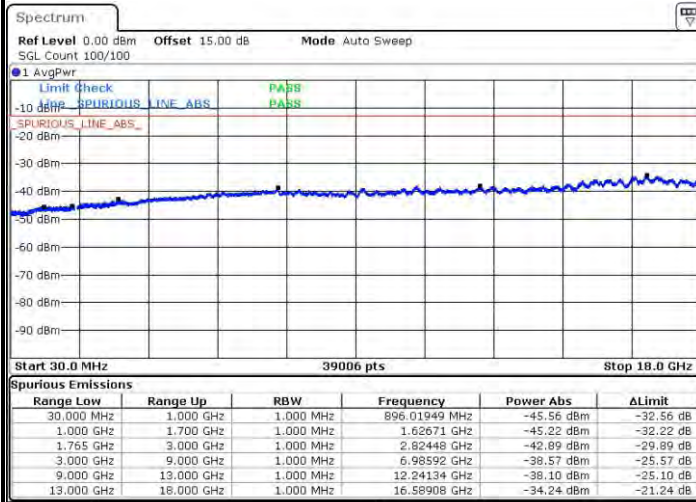


Date: 29.AUG.2015 00:16:42



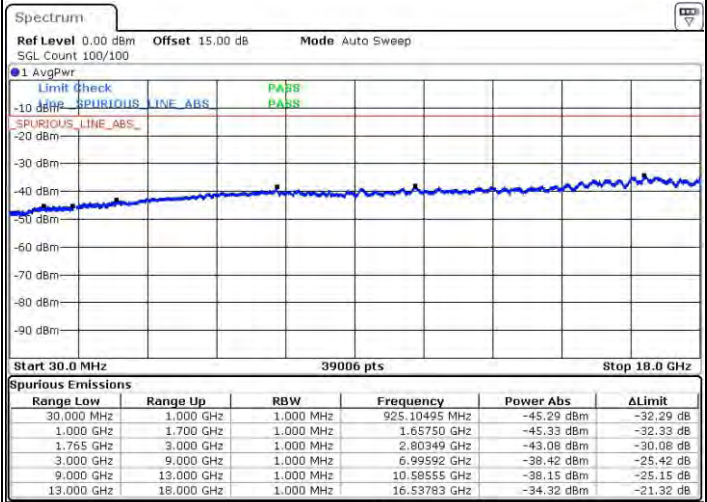
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 29.AUG.2015 00:23:48

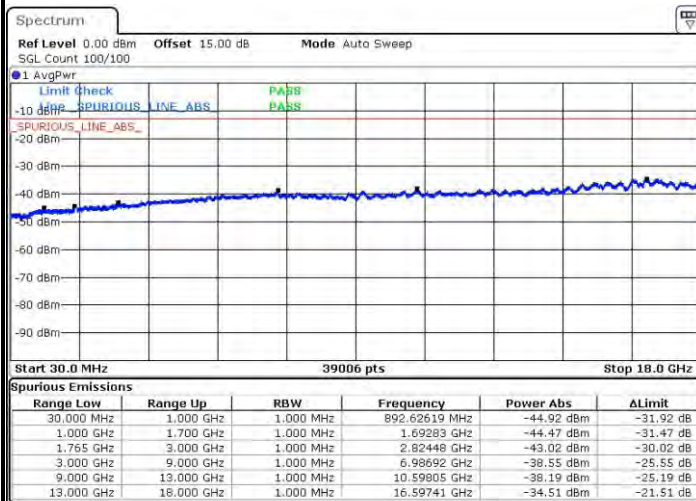
Highest Channel / 16QAM



Date: 29.AUG.2015 00:25:04

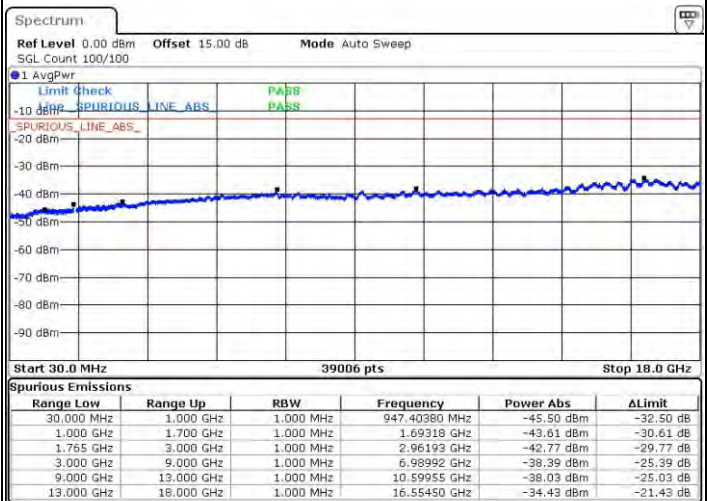
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 29.AUG.2015 00:32:23

Lowest Channel / 16QAM

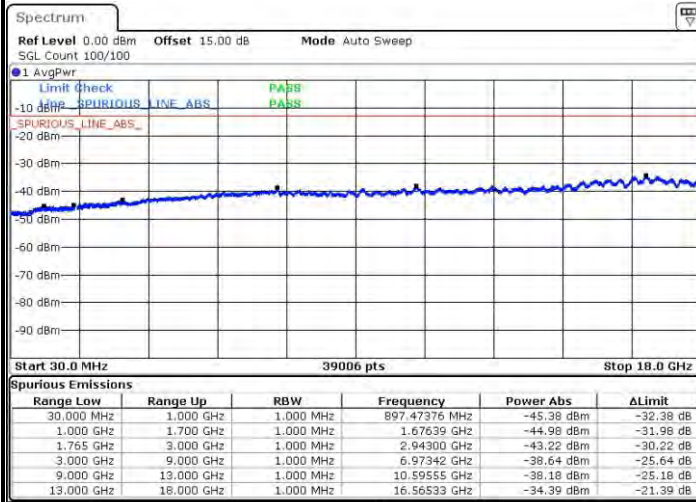


Date: 29.AUG.2015 00:33:41



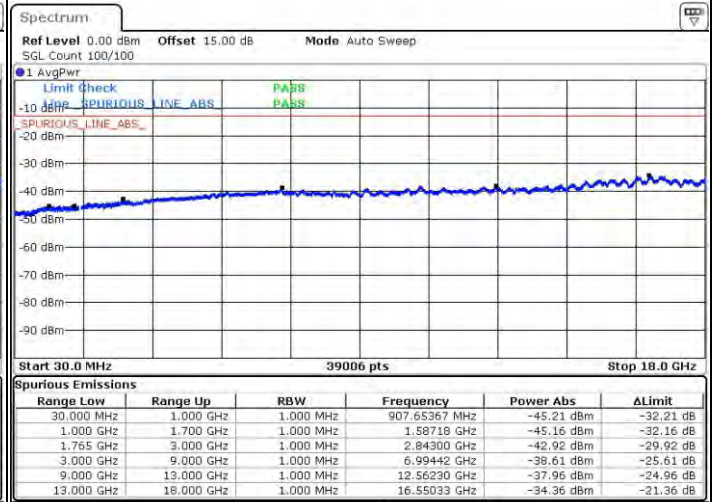
LTE Band 4 / 10MHz

Middle Channel / QPSK



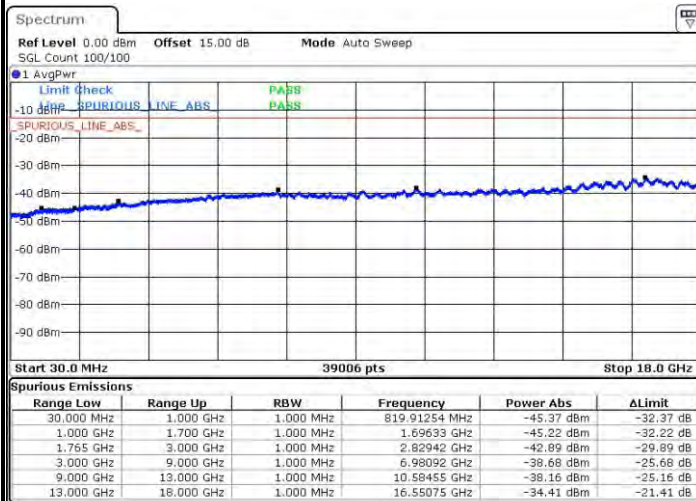
Date: 29.AUG.2015 00:36:10

Middle Channel / 16QAM



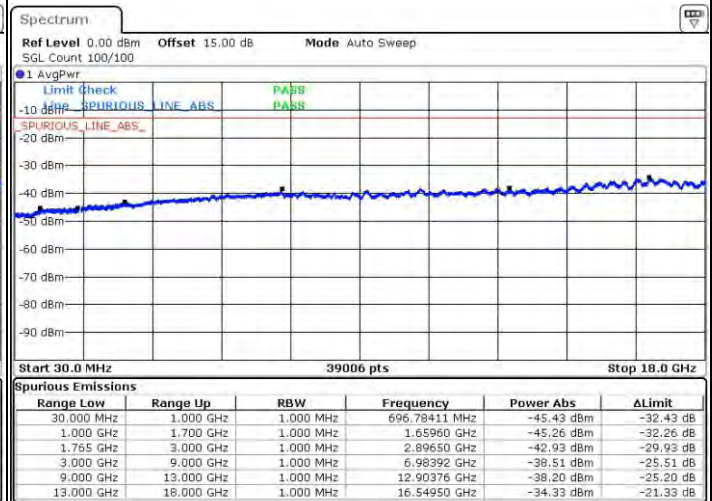
Date: 29.AUG.2015 00:37:26

Highest Channel / QPSK



Date: 29.AUG.2015 00:45:08

Highest Channel / 16QAM

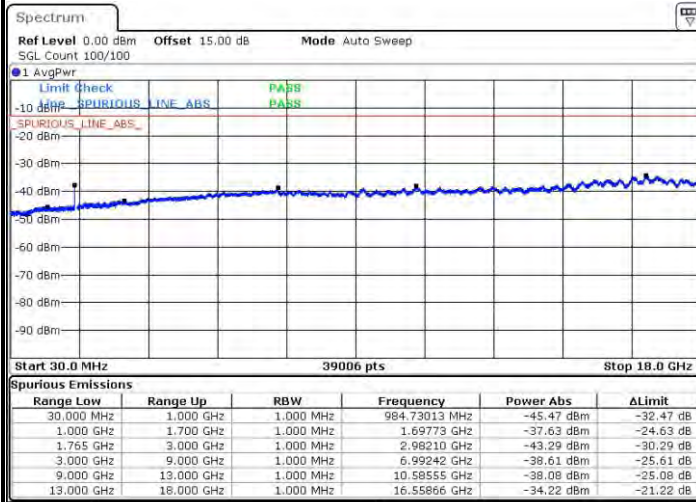


Date: 29.AUG.2015 00:46:27



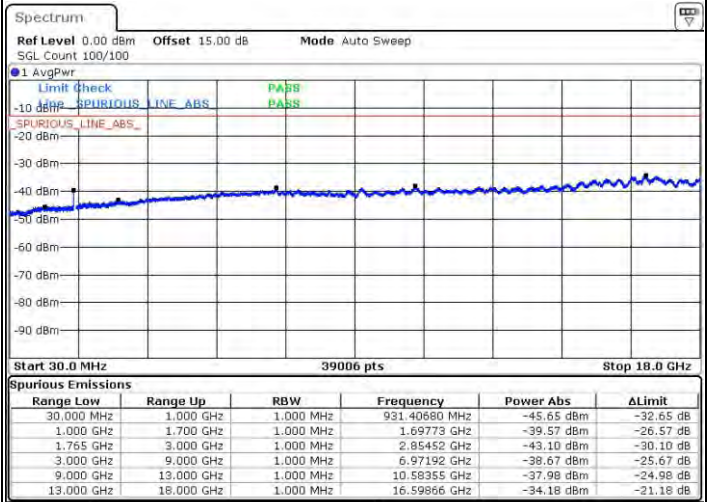
LTE Band 4 / 15MHz

Lowest Channel / QPSK



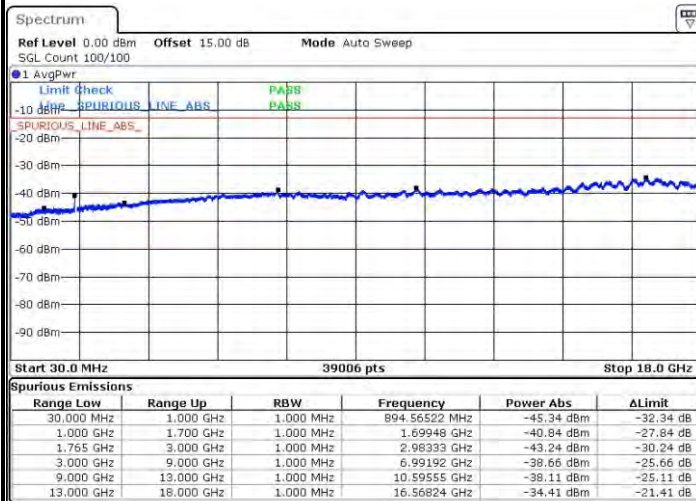
Date: 29.AUG.2015 00:54:22

Lowest Channel / 16QAM



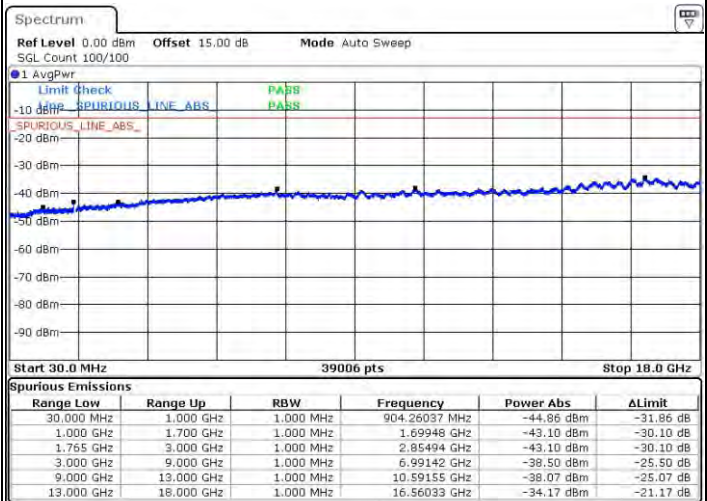
Date: 29.AUG.2015 00:55:43

Middle Channel / QPSK



Date: 29.AUG.2015 00:58:29

Middle Channel / 16QAM

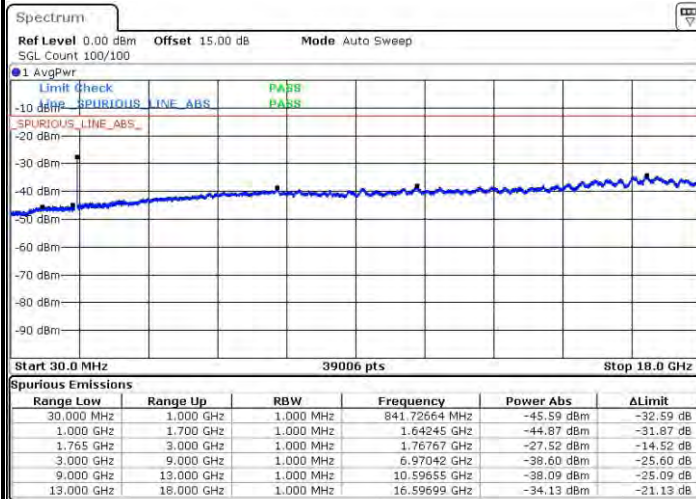


Date: 29.AUG.2015 00:59:52



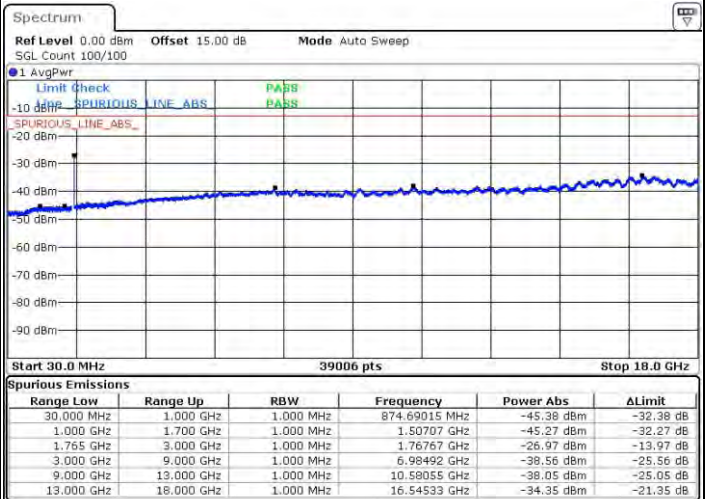
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 29.AUG.2015 01:08:14

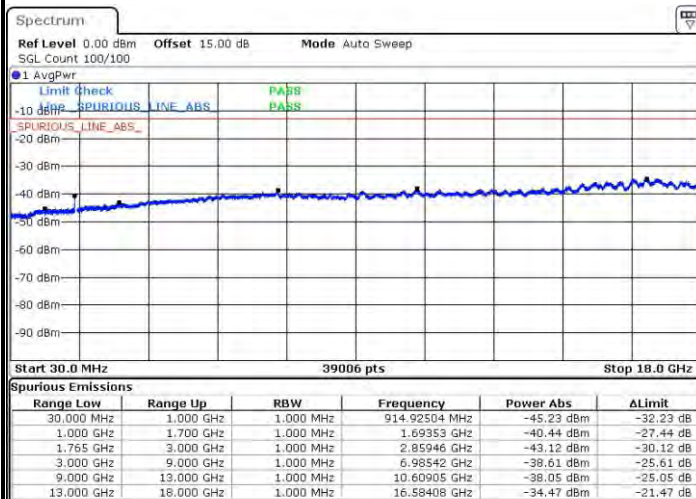
Highest Channel / 16QAM



Date: 29.AUG.2015 01:09:39

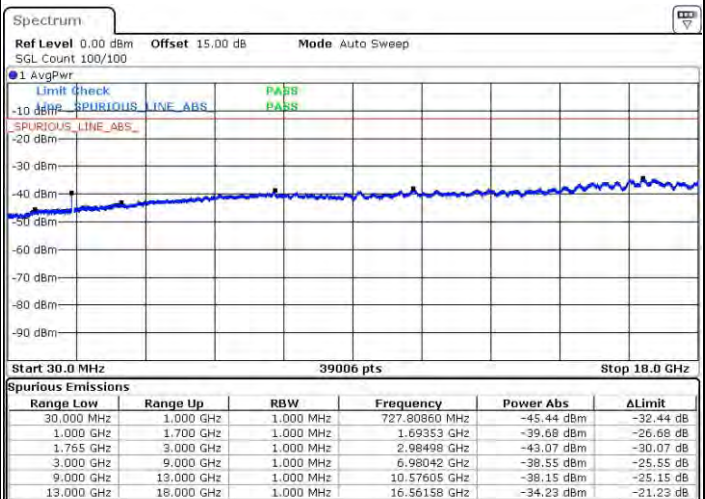
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 29.AUG.2015 01:18:21

Lowest Channel / 16QAM

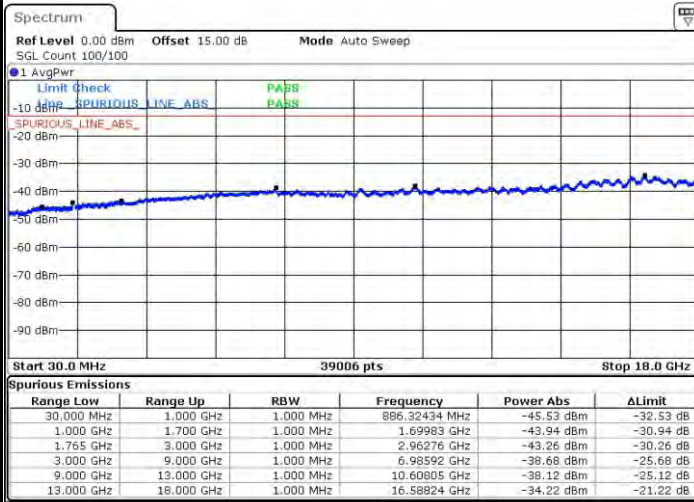


Date: 29.AUG.2015 01:19:40



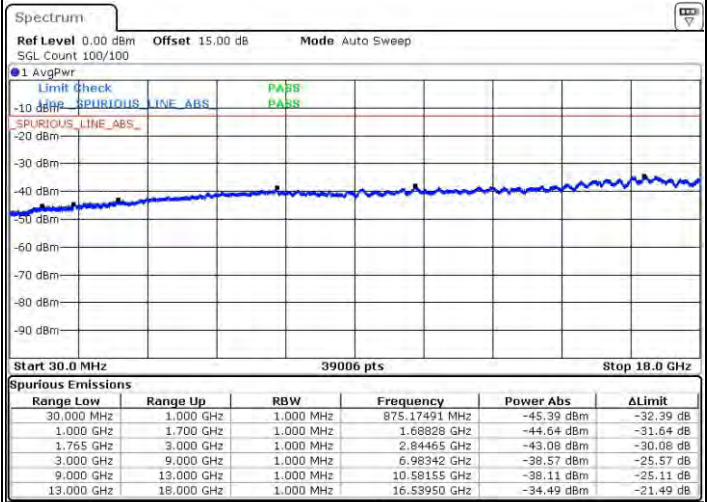
LTE Band 4 / 20MHz

Middle Channel / QPSK



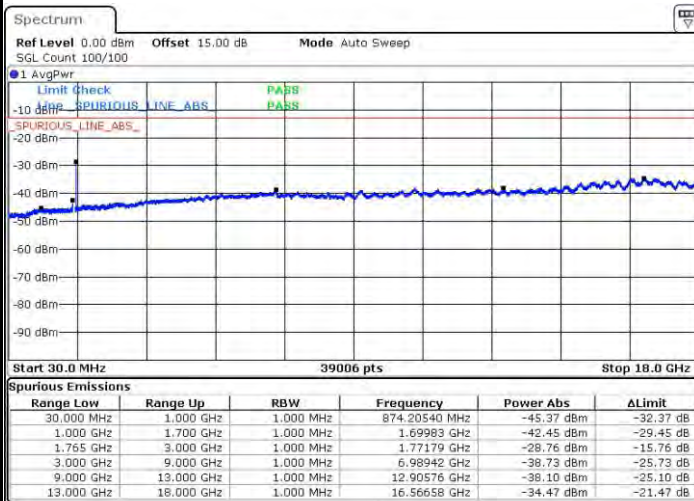
Date: 29.AUG.2015 01:23:00

Middle Channel / 16QAM



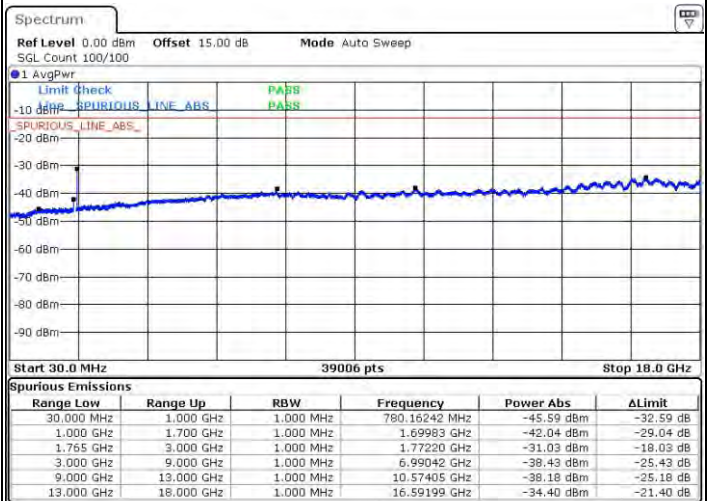
Date: 29.AUG.2015 01:24:27

Highest Channel / QPSK



Date: 29.AUG.2015 01:33:35

Highest Channel / 16QAM



Date: 29.AUG.2015 01:35:04

**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	0.0352	PASS
40	Normal Voltage	0.0310	
30	Normal Voltage	0.0282	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0070	
-30	Normal Voltage	0.0085	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 7

Conducted Output Power(Average power)

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.53	22.51	21.94
20	1	49		22.48	22.43	21.84
20	1	99		22.43	22.21	21.93
20	50	0		21.55	21.53	20.89
20	50	24		21.54	21.45	20.83
20	50	50		21.52	21.39	20.84
20	100	0		21.53	21.44	20.85
20	1	0	16-QAM	21.69	21.83	21.21
20	1	49		21.79	21.61	21.17
20	1	99		21.78	21.44	21.28
20	50	0		20.55	20.53	19.92
20	50	24		20.57	20.44	19.87
20	50	50		20.57	20.38	19.92
20	100	0		20.52	20.42	19.88
15	1	0	QPSK	22.40	22.48	21.82
15	1	37		22.46	22.40	21.85
15	1	74		22.45	22.25	21.91
15	36	0		21.53	21.52	20.86
15	36	20		21.56	21.47	20.91
15	36	39		21.57	21.44	20.88
15	75	0		21.54	21.47	20.86
15	1	0	16-QAM	21.62	21.75	21.14
15	1	37		21.71	21.67	21.22
15	1	74		21.74	21.50	21.34
15	36	0		20.53	20.53	19.89
15	36	20		20.56	20.46	19.91
15	36	39		20.57	20.42	19.94
15	75	0		20.55	20.44	19.91



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.26	22.43	21.73
10	1	25		22.30	22.37	21.75
10	1	49		22.29	22.25	21.80
10	25	0		21.34	21.46	20.73
10	25	12		21.36	21.42	20.75
10	25	25		21.38	21.41	20.78
10	50	0		21.39	21.46	20.74
10	1	0	16-QAM	21.53	21.69	21.09
10	1	25		21.57	21.65	21.14
10	1	49		21.61	21.50	21.16
10	25	0		20.36	20.48	19.76
10	25	12		20.38	20.41	19.78
10	25	25		20.40	20.39	19.84
10	50	0		20.40	20.44	19.78
5	1	0	QPSK	22.24	22.42	21.73
5	1	12		22.28	22.40	21.80
5	1	24		22.23	22.25	21.75
5	12	0		21.39	21.49	20.83
5	12	7		21.37	21.46	20.86
5	12	13		21.39	21.44	20.86
5	25	0		21.33	21.43	20.80
5	1	0	16-QAM	21.52	21.66	21.12
5	1	12		21.55	21.65	21.16
5	1	24		21.51	21.50	21.11
5	12	0		20.39	20.49	19.90
5	12	7		20.38	20.47	19.90
5	12	13		20.39	20.45	19.92
5	25	0		20.34	20.41	19.84

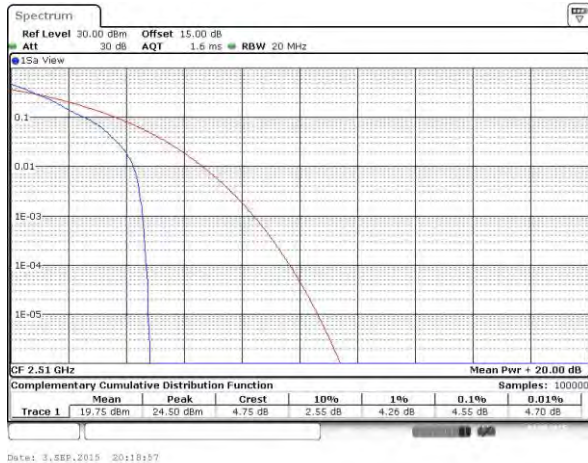
**Peak-to-Average Ratio**

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.55	5.65	5.54	6.38	PASS
Middle CH	4.93	5.16	5.71	5.94	
Highest CH	4.84	5.71	6.06	6.49	

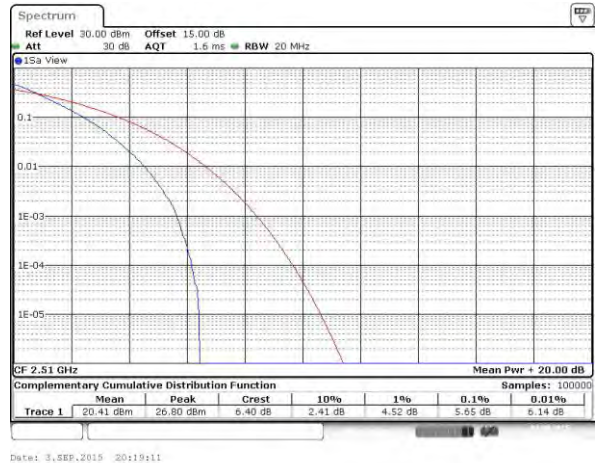


LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



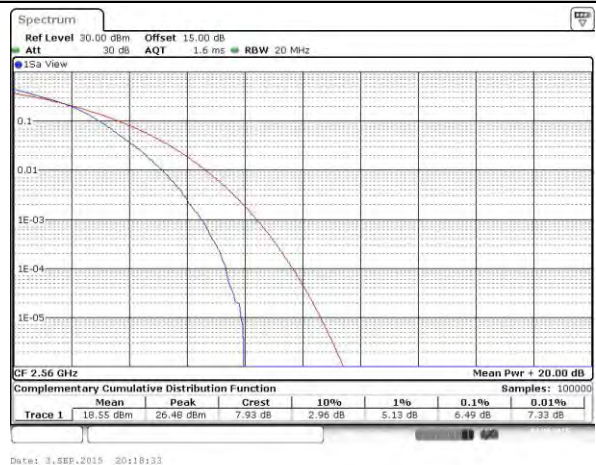
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



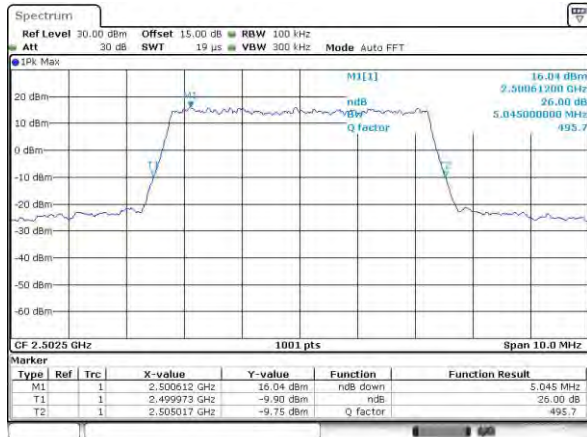
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.05	5.06	10.05	9.95	14.81	14.84	20.58	20.30
Middle CH	-	-	-	-	5.11	5.07	10.13	9.99	14.81	14.93	20.34	20.34
Highest CH	-	-	-	-	5.07	5.05	10.03	9.95	14.87	14.69	20.50	20.46

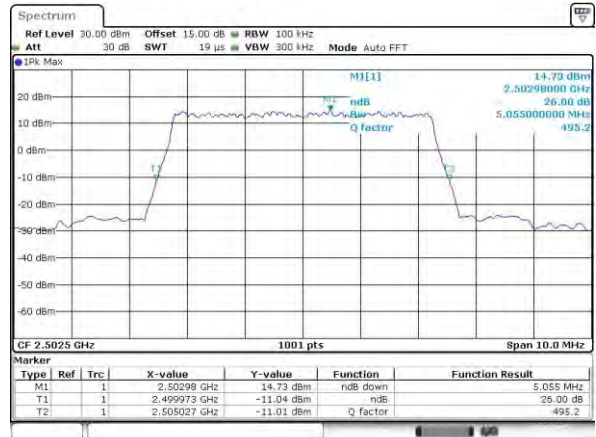


LTE Band 7

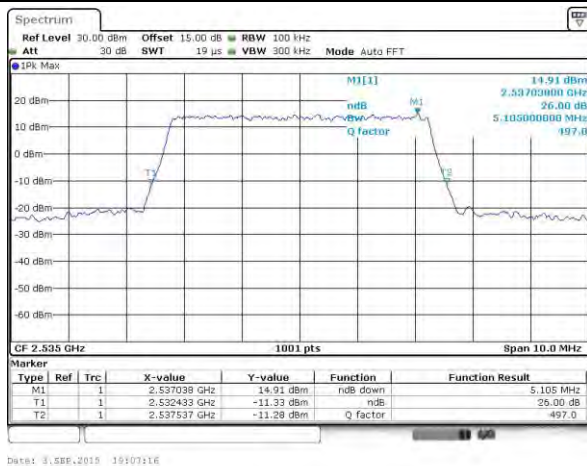
Lowest Channel / 5MHz / QPSK



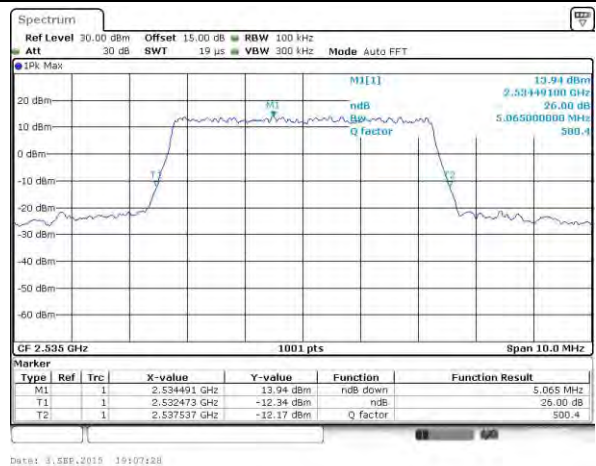
Lowest Channel / 5MHz / 16QAM



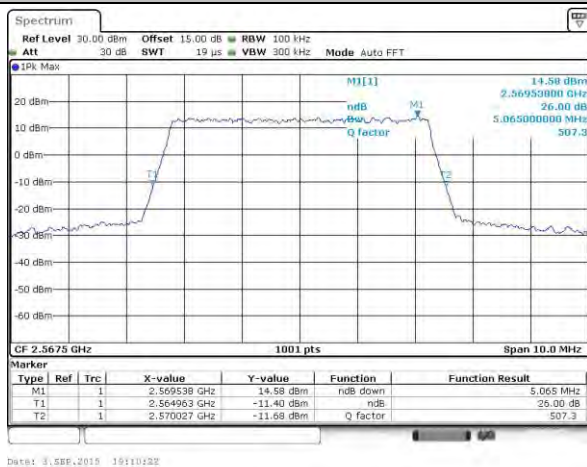
Middle Channel / 5MHz / QPSK



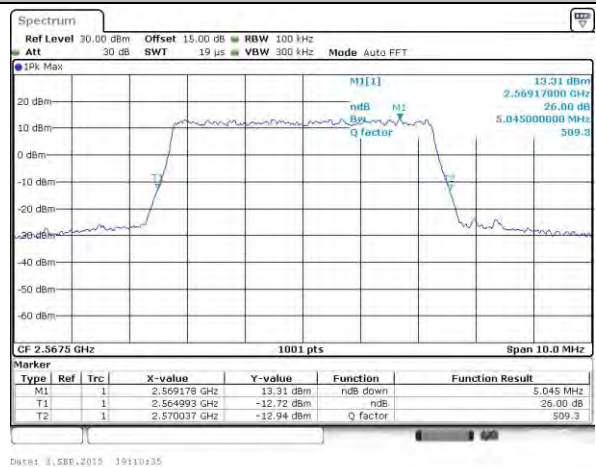
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



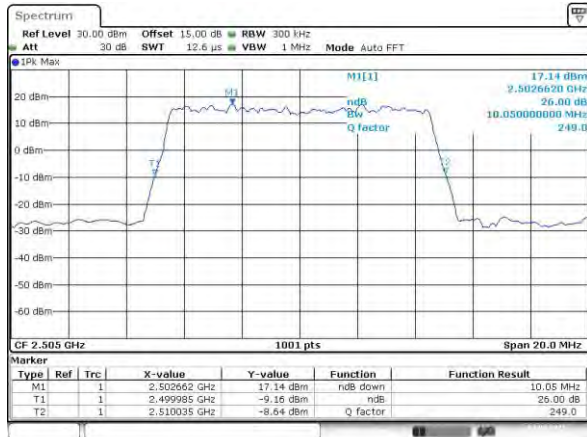
Highest Channel / 5MHz / 16QAM



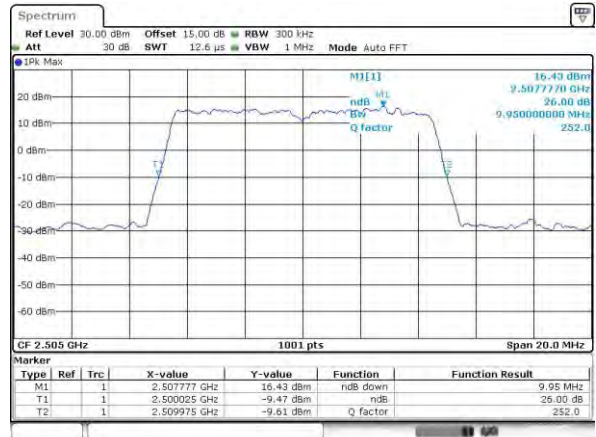


LTE Band 7

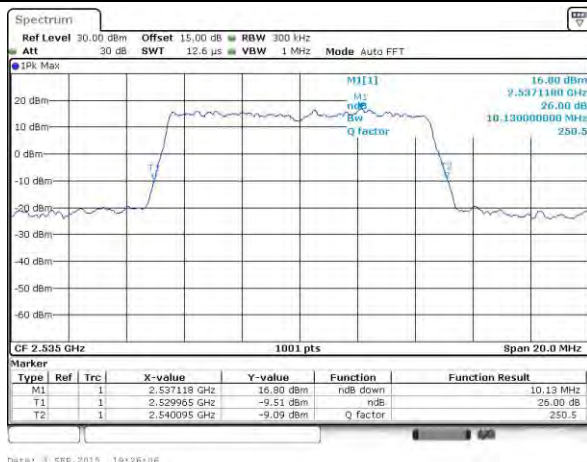
Lowest Channel / 10MHz / QPSK



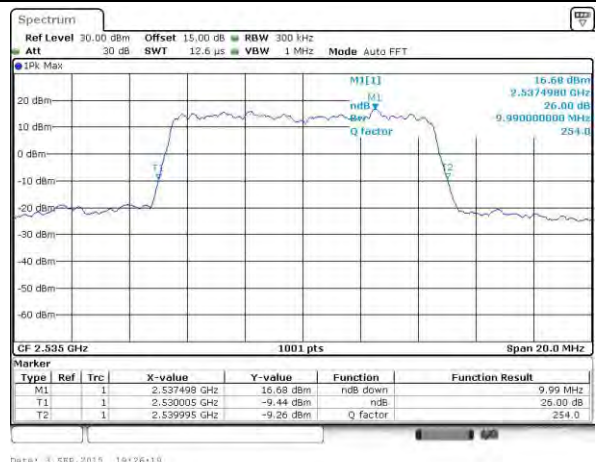
Lowest Channel / 10MHz / 16QAM



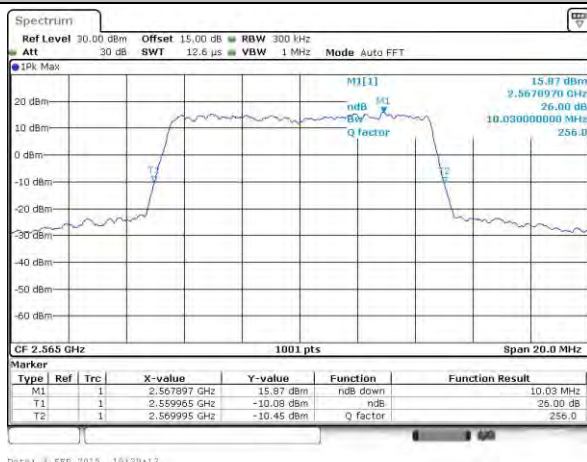
Middle Channel / 10MHz / QPSK



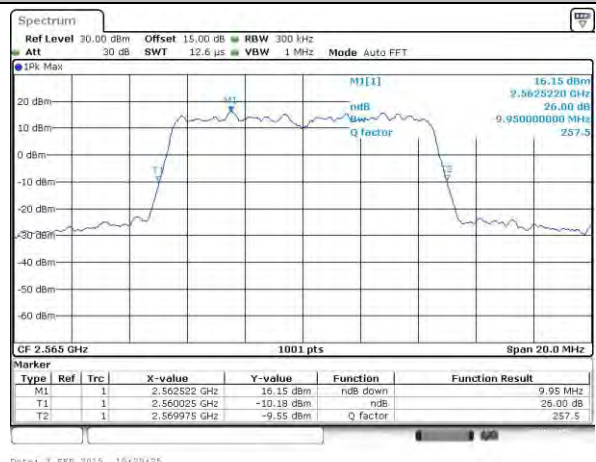
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



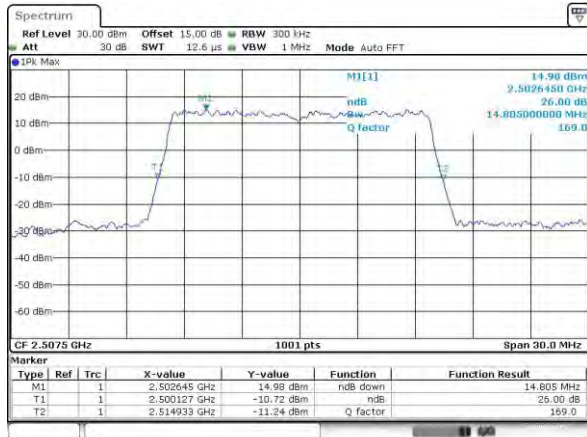
Highest Channel / 10MHz / 16QAM



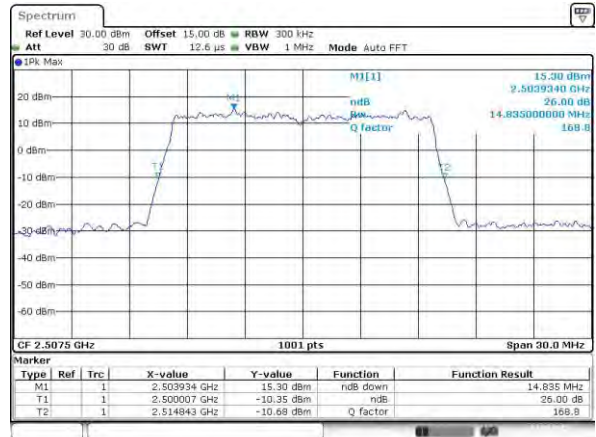


LTE Band 7

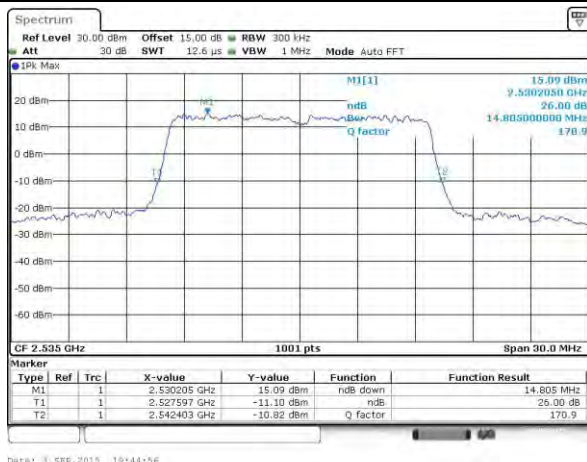
Lowest Channel / 15MHz / QPSK



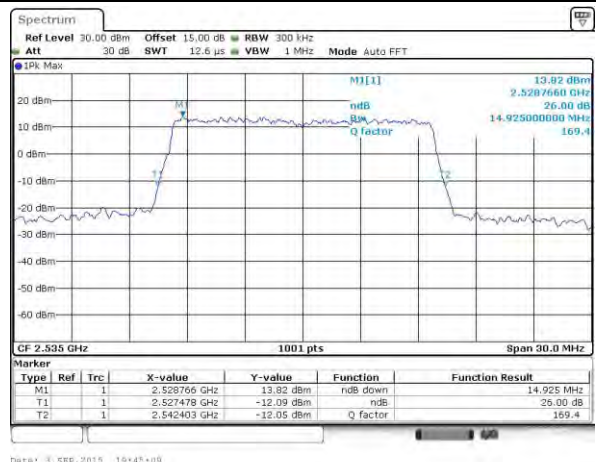
Lowest Channel / 15MHz / 16QAM



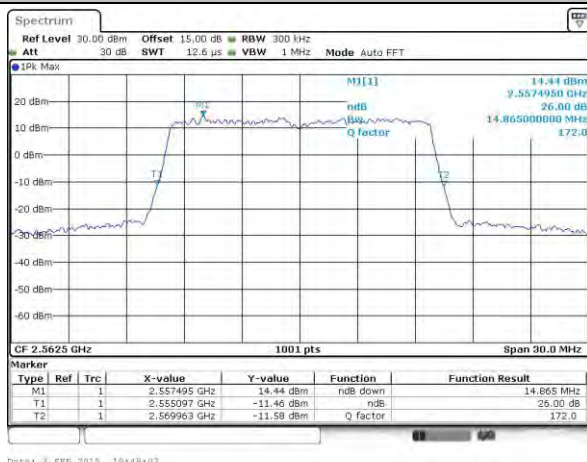
Middle Channel / 15MHz / QPSK



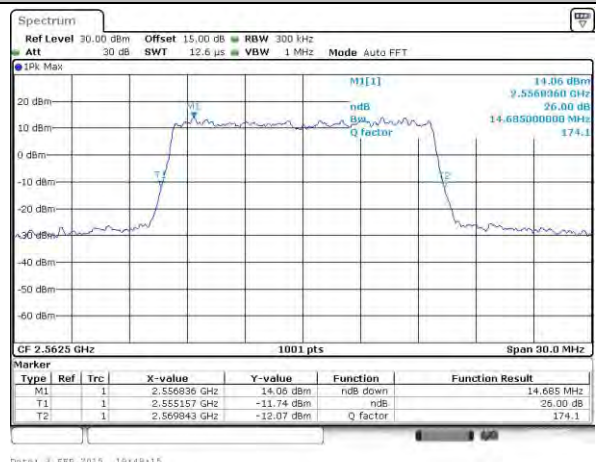
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



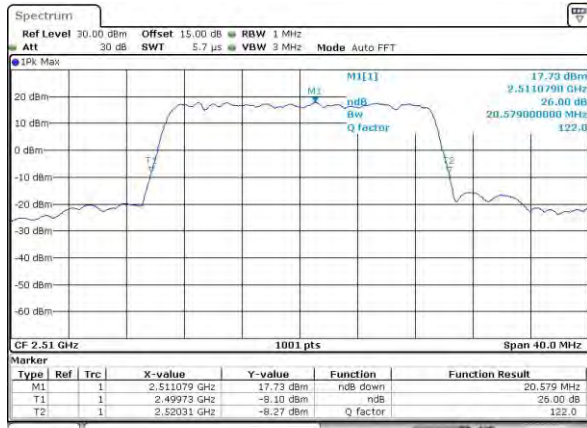
Highest Channel / 15MHz / 16QAM



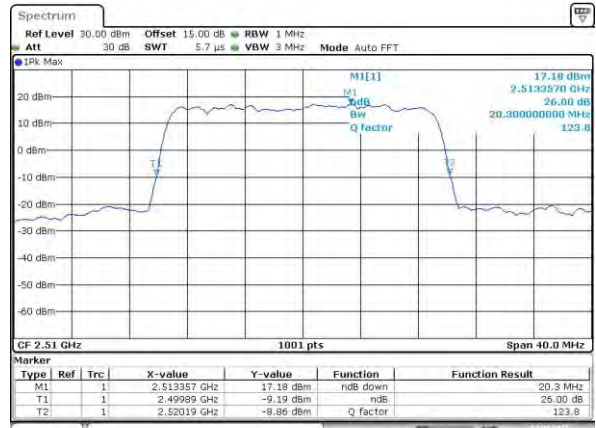


LTE Band 7

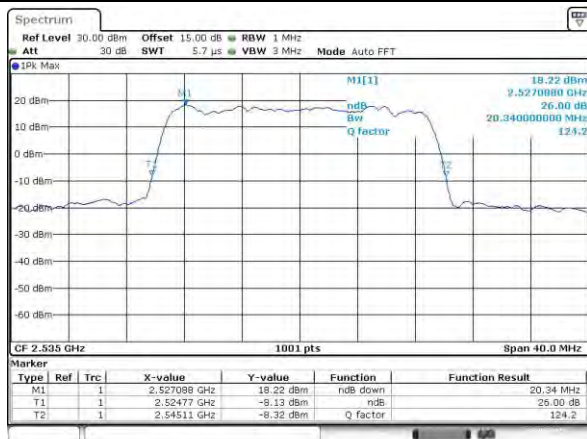
Lowest Channel / 20MHz / QPSK



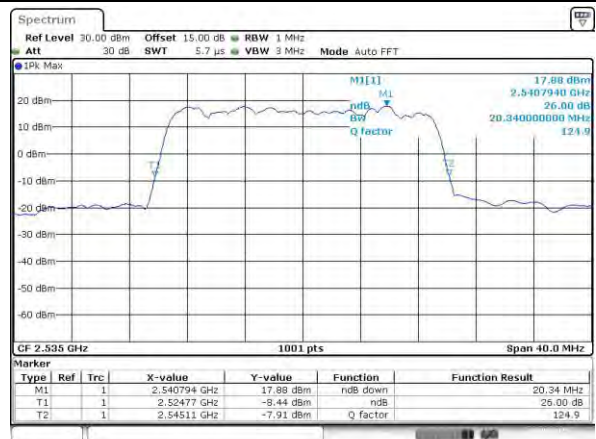
Lowest Channel / 20MHz / 16QAM



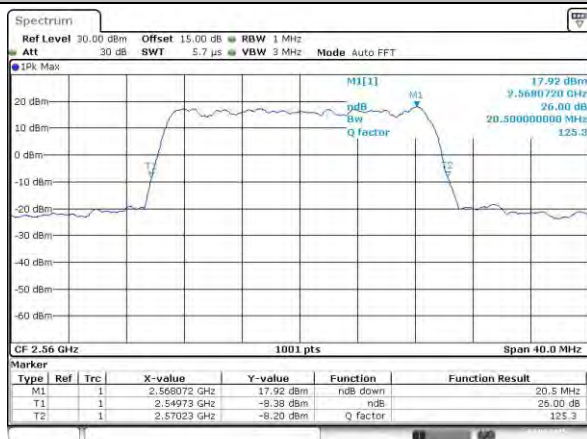
Middle Channel / 20MHz / QPSK



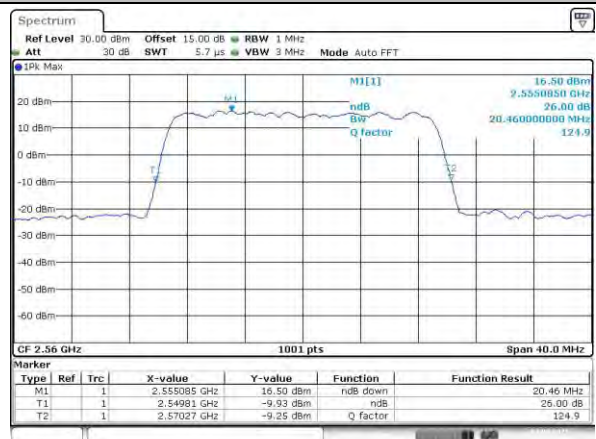
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



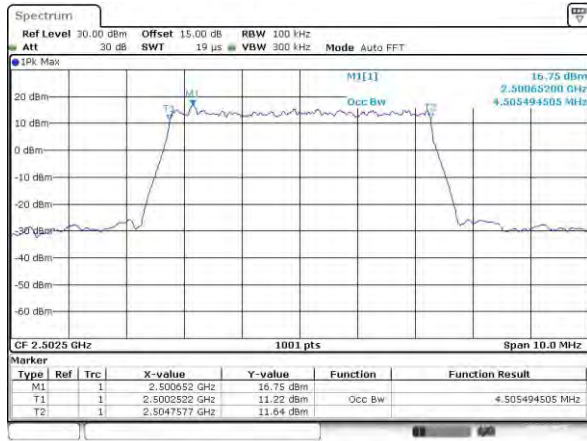
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.51	4.50	9.05	9.01	13.52	13.49	18.46	18.42
Middle CH	-	-	-	-	4.51	4.51	9.05	9.01	13.46	13.46	18.26	18.34
Highest CH	-	-	-	-	4.51	4.50	9.05	9.05	13.46	13.49	18.50	18.54

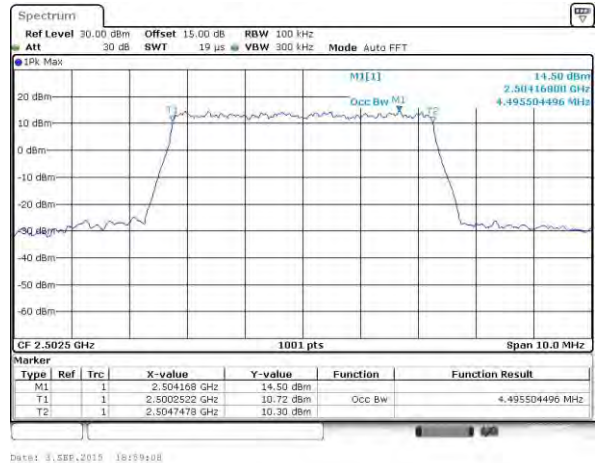


LTE Band 7

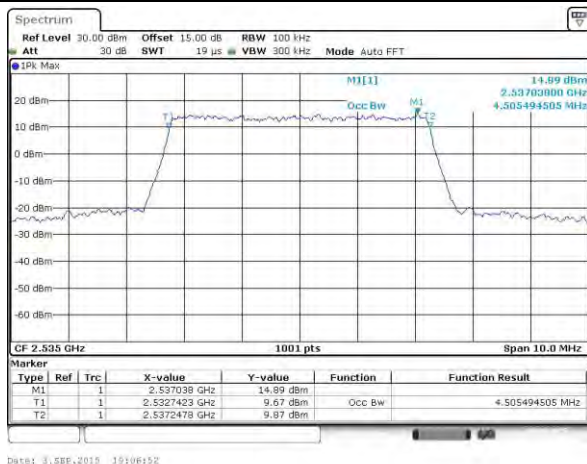
Lowest Channel / 5MHz / QPSK



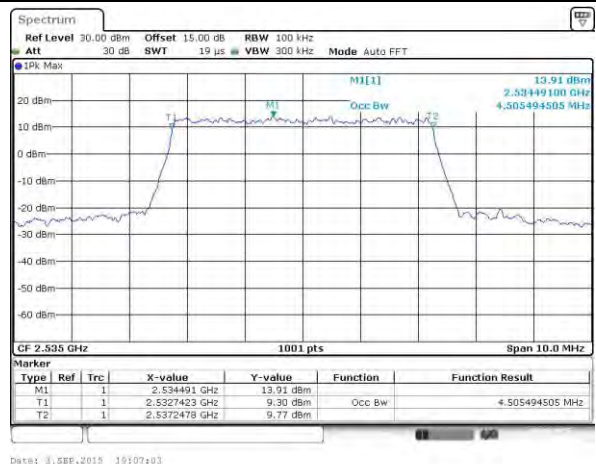
Lowest Channel / 5MHz / 16QAM



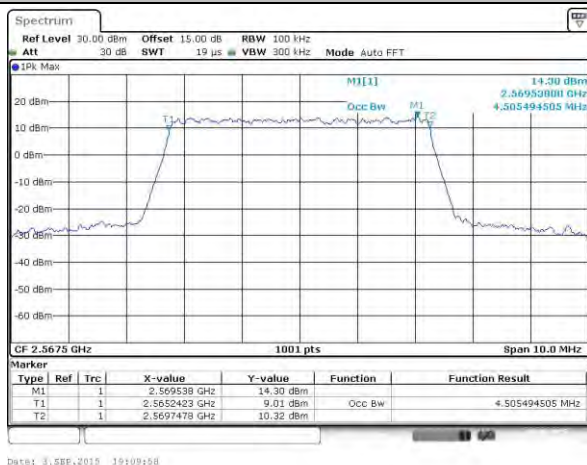
Middle Channel / 5MHz / QPSK



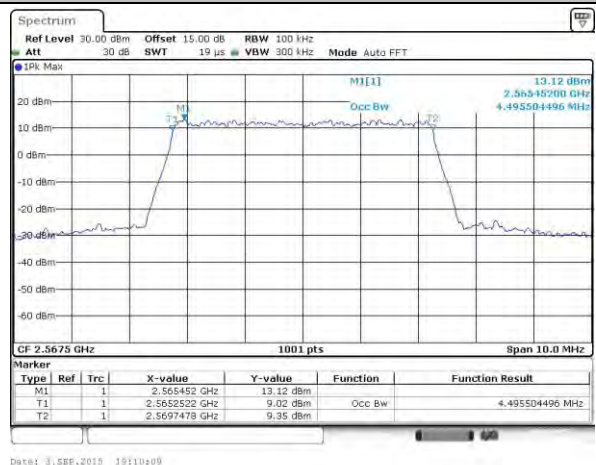
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



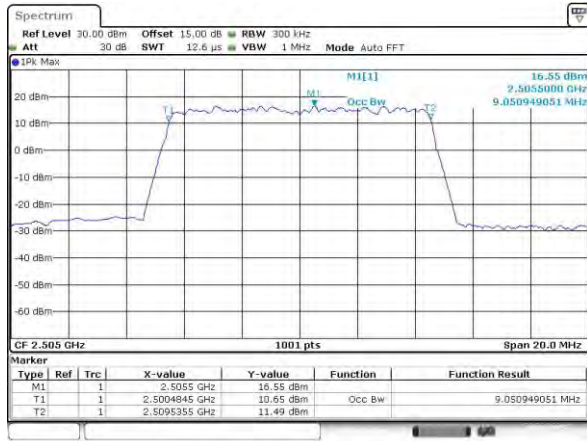
Highest Channel / 5MHz / 16QAM



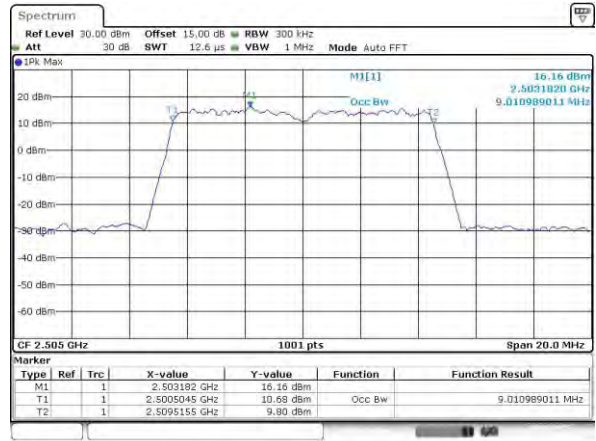


LTE Band 7

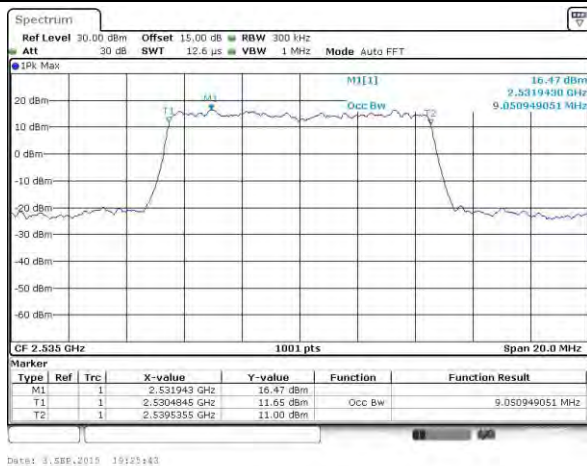
Lowest Channel / 10MHz / QPSK



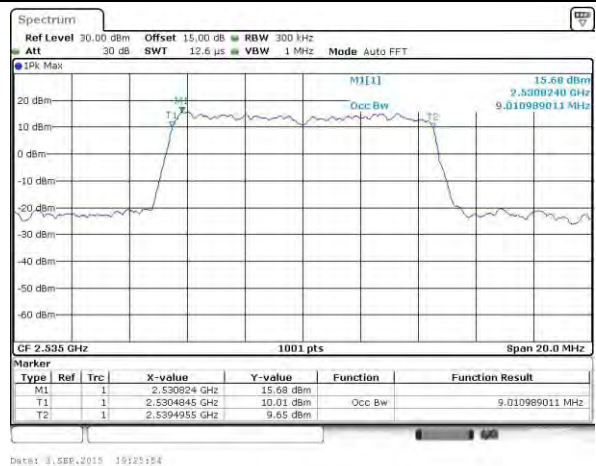
Lowest Channel / 10MHz / 16QAM



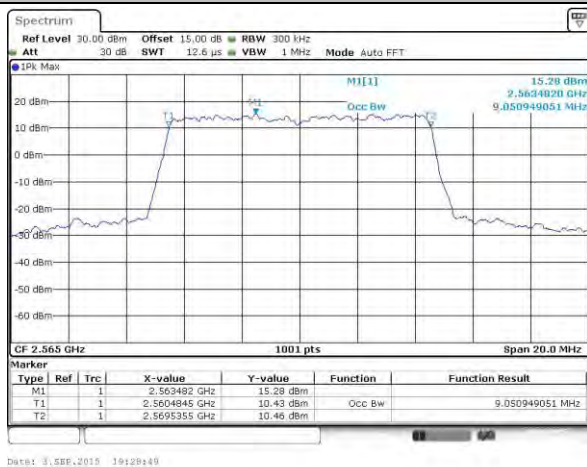
Middle Channel / 10MHz / QPSK



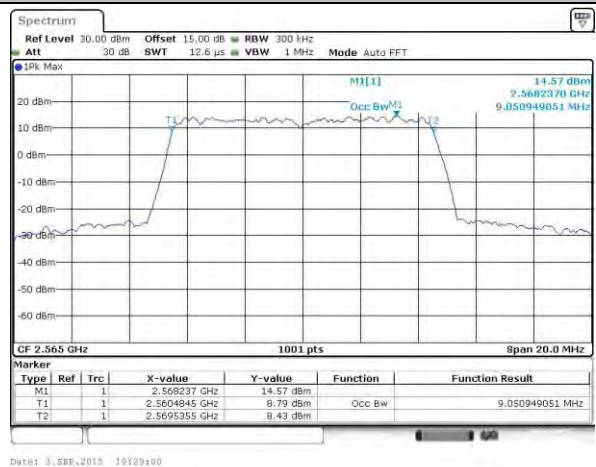
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



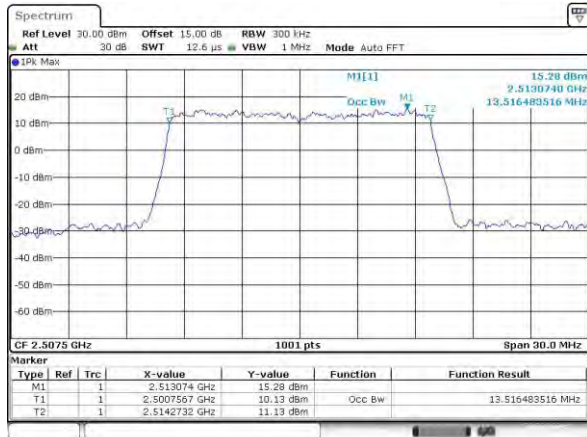
Highest Channel / 10MHz / 16QAM



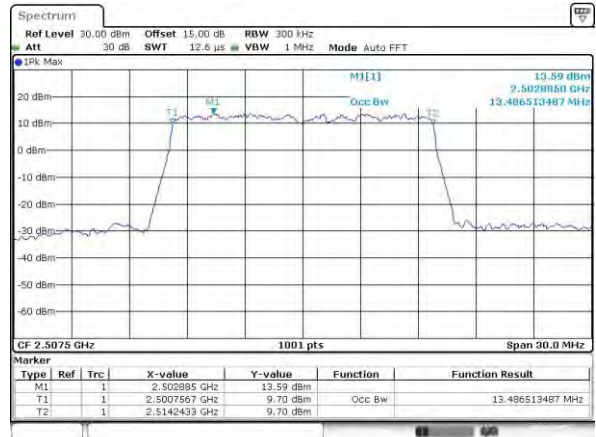


LTE Band 7

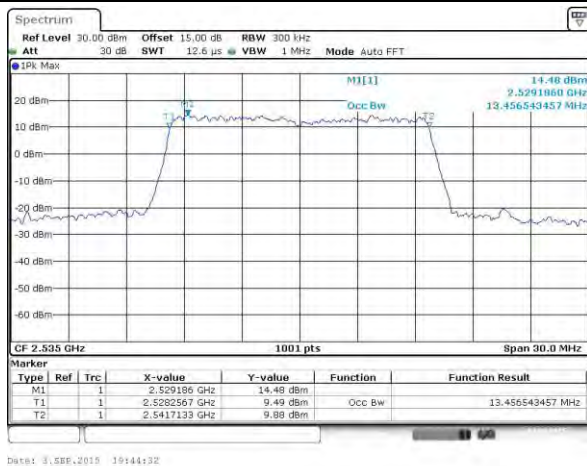
Lowest Channel / 15MHz / QPSK



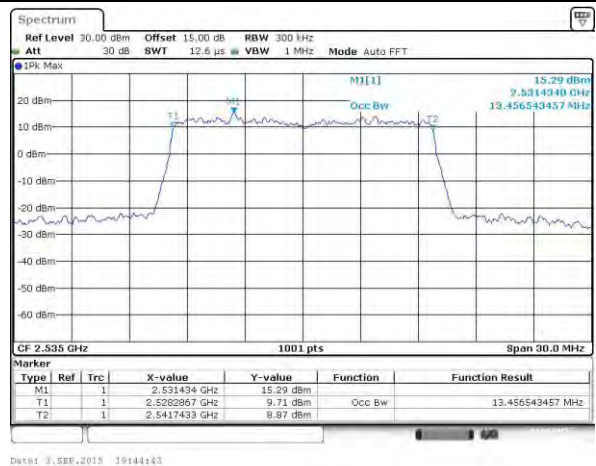
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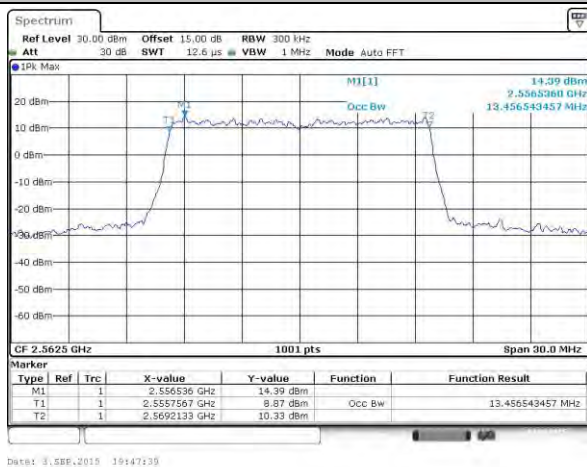
Middle Channel / 15MHz / QPSK



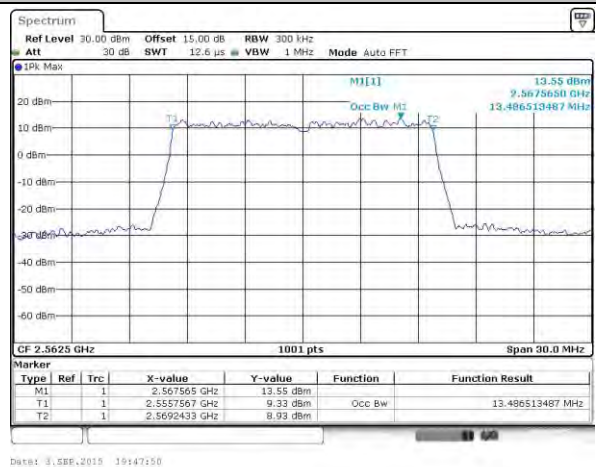
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



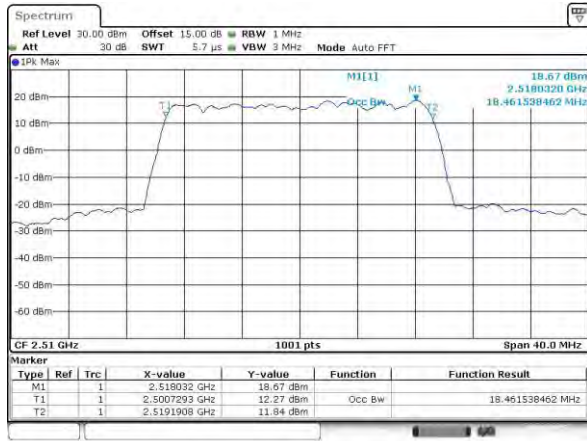
Highest Channel / 15MHz / 16QAM



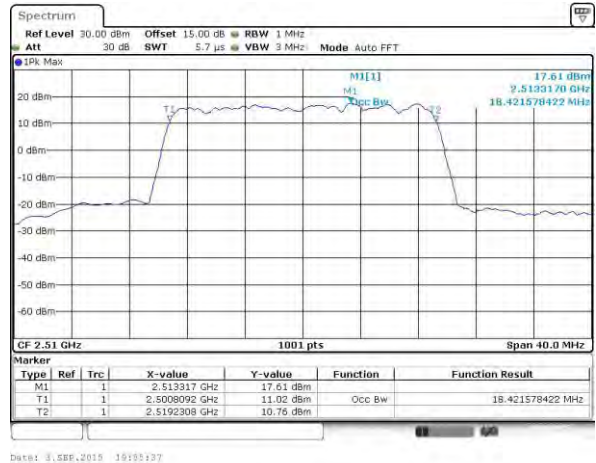


LTE Band 7

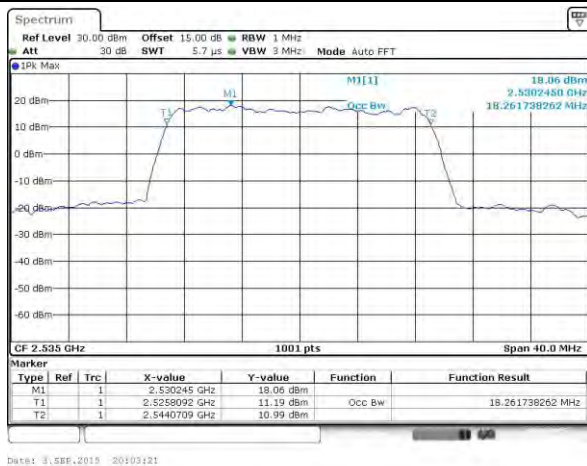
Lowest Channel / 20MHz / QPSK



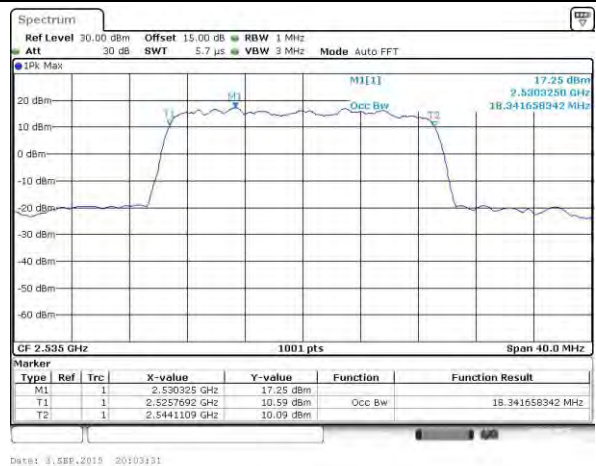
Lowest Channel / 20MHz / 16QAM



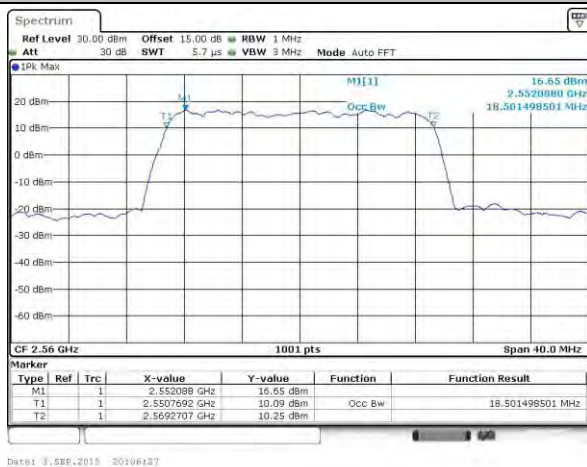
Middle Channel / 20MHz / QPSK



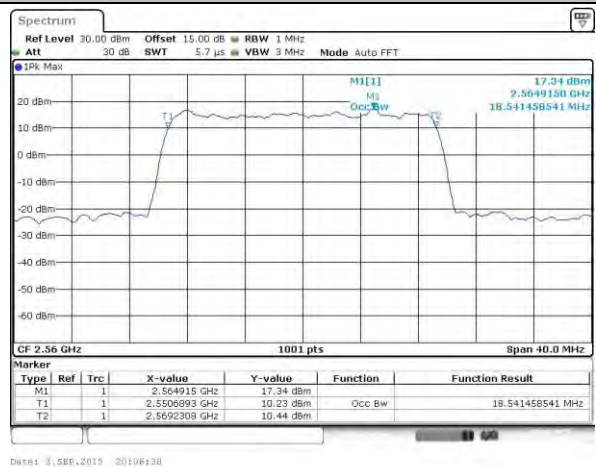
Middle Channel / 20MHz / 16QAM

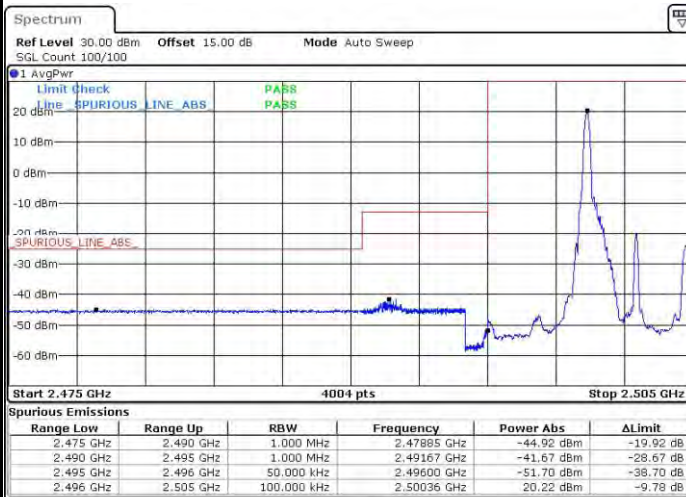
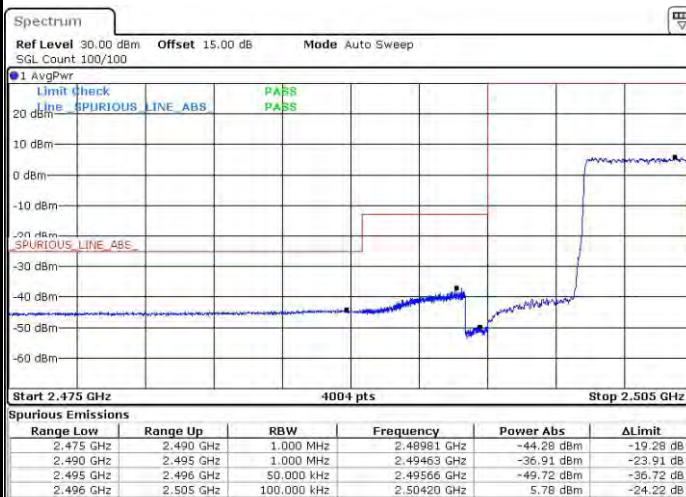


Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



**Conducted Band Edge****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**