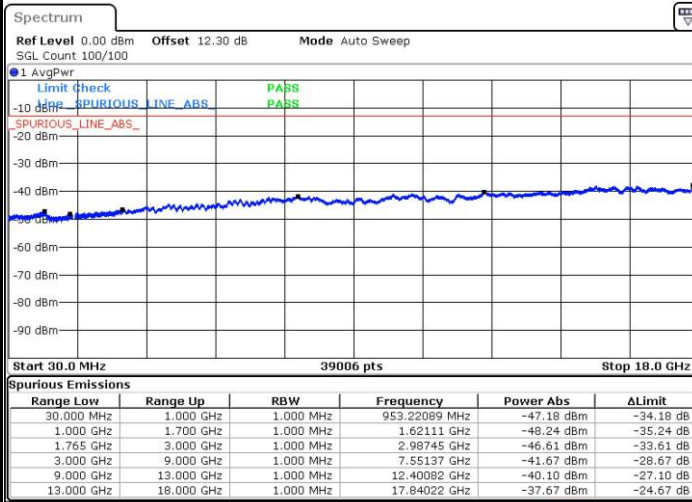




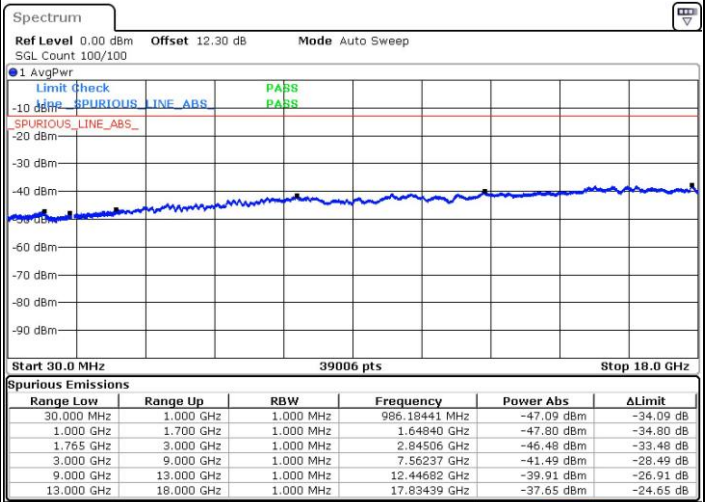
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 5 APR 2018 06:29:25

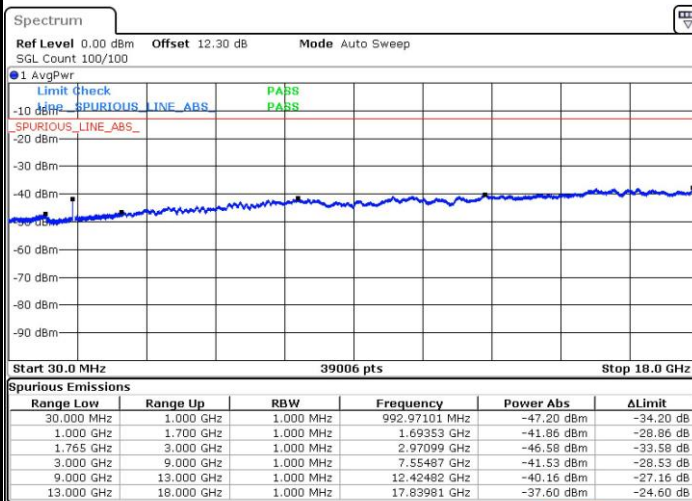
Highest Channel / 16QAM



Date: 5 APR 2018 06:30:19

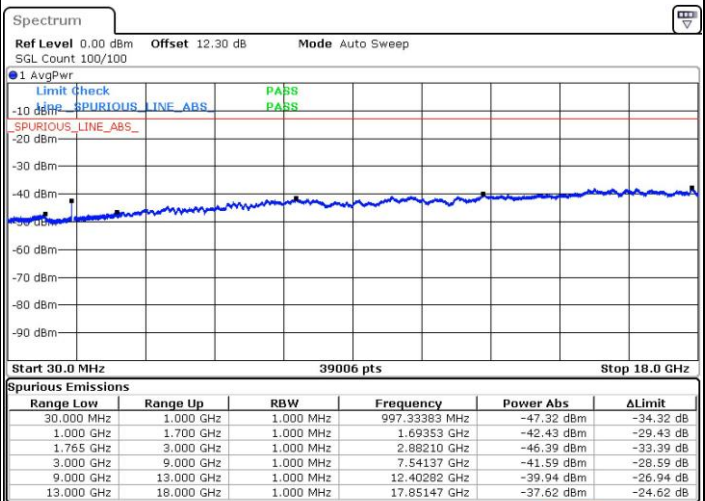
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 5 APR 2018 06:36:32

Lowest Channel / 16QAM

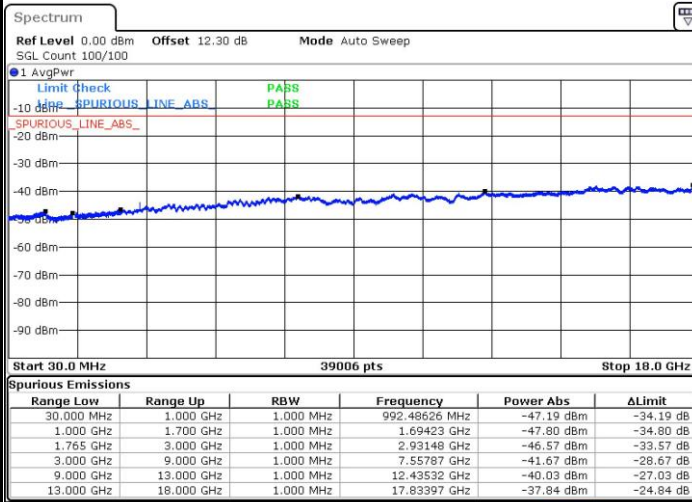


Date: 5 APR 2018 06:37:27



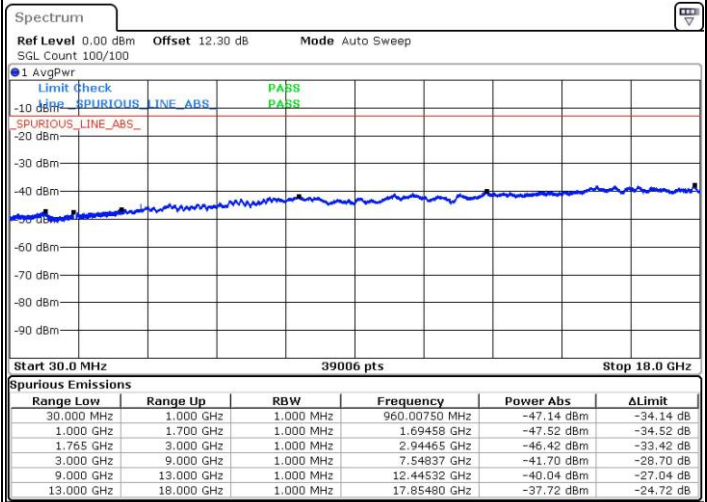
LTE Band 4 / 20MHz

Middle Channel / QPSK



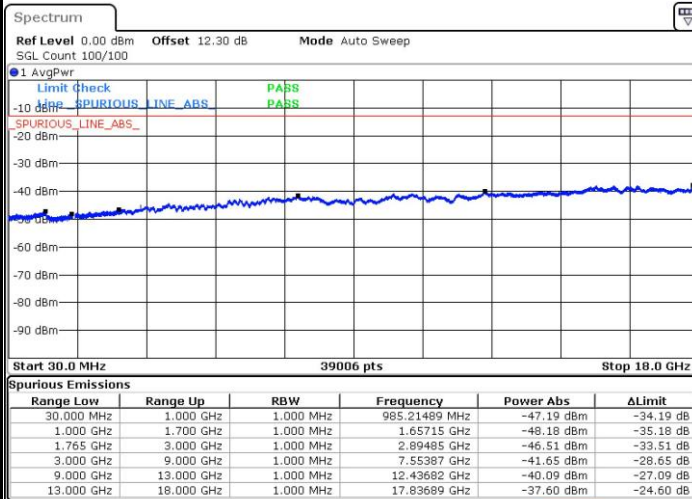
Date: 5 APR 2018 06:39:03

Middle Channel / 16QAM



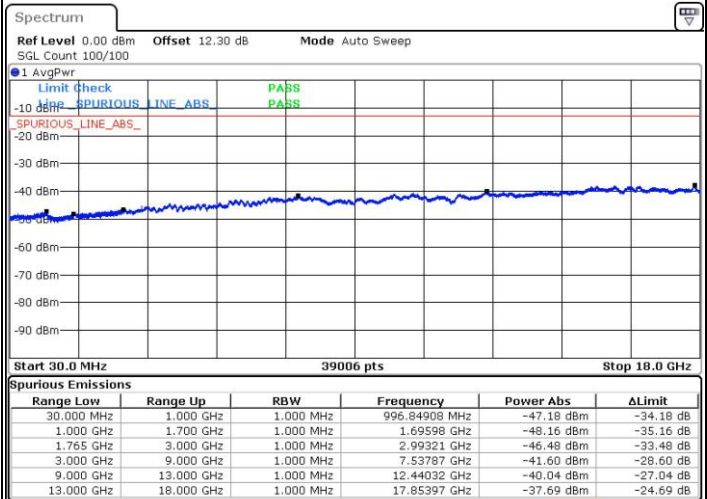
Date: 5 APR 2018 06:39:58

Highest Channel / QPSK



Date: 5 APR 2018 06:46:11

Highest Channel / 16QAM



Date: 5 APR 2018 06:47:05

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	0.0027	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =120 V. ; Battery End Point (BEP) =102 V. ; Maximum Voltage =138 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

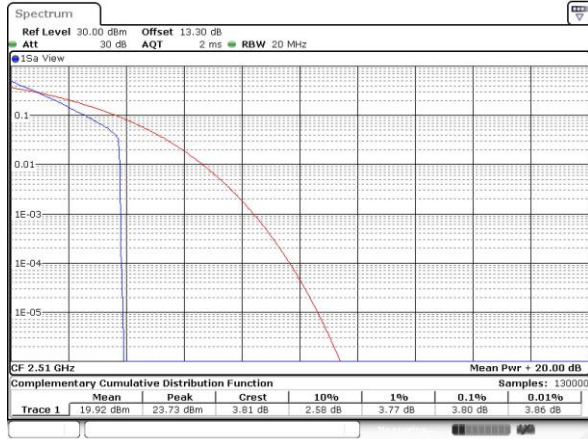
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.8	4.64	4.46	5.57	PASS
Middle CH	3.88	4.46	4.7	5.42	
Highest CH	3.91	4.35	5.01	5.51	

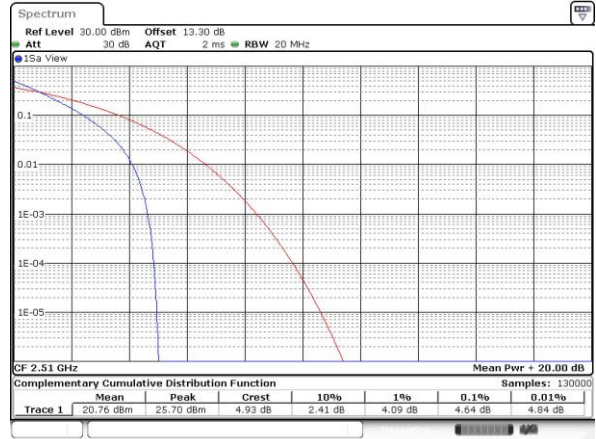


LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



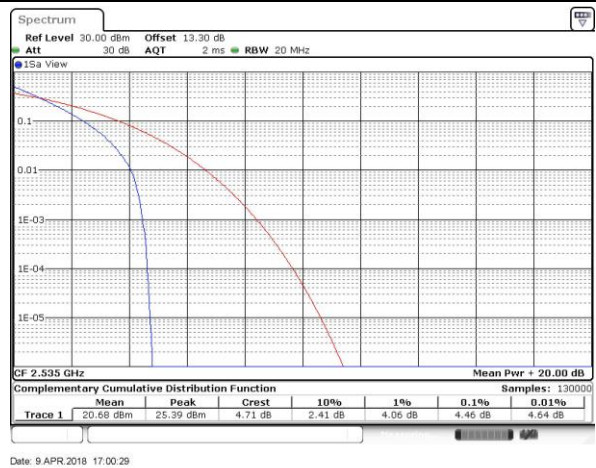
Lowest Channel / Full RB



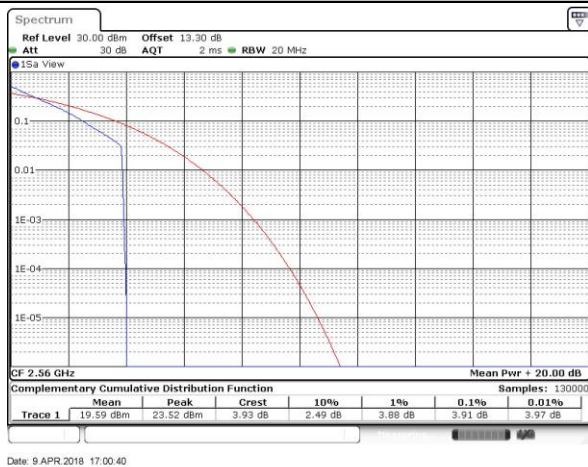
Middle Channel / 1RB



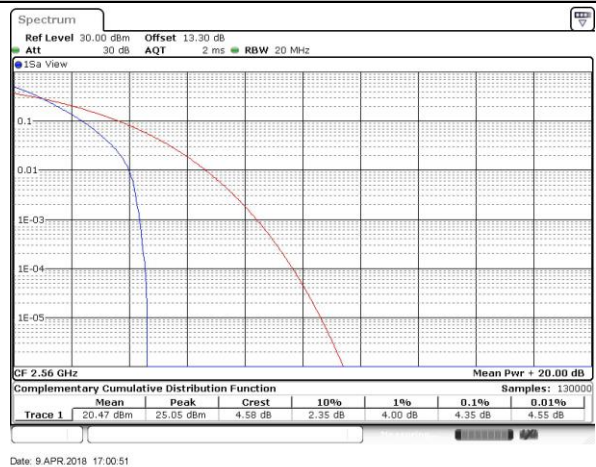
Middle Channel / Full RB



Highest Channel / 1RB



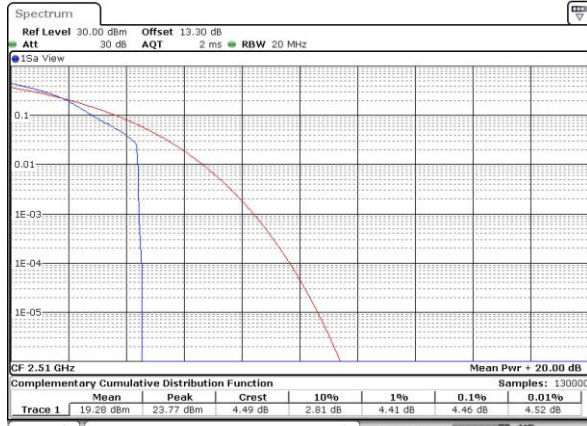
Highest Channel / Full RB



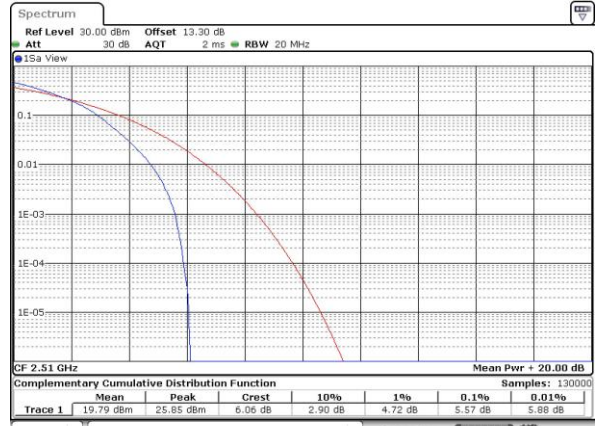


LTE Band 7 / 20MHz / 16QAM

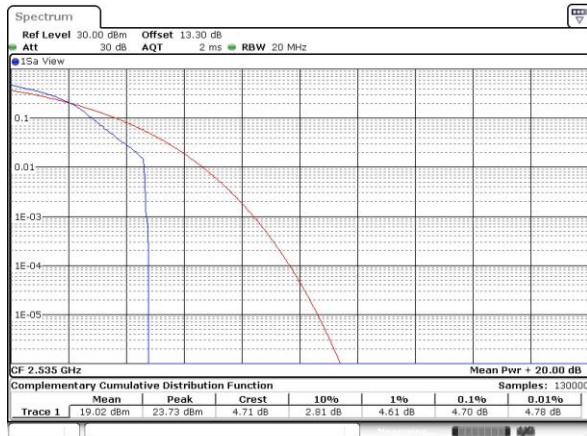
Lowest Channel / 1RB



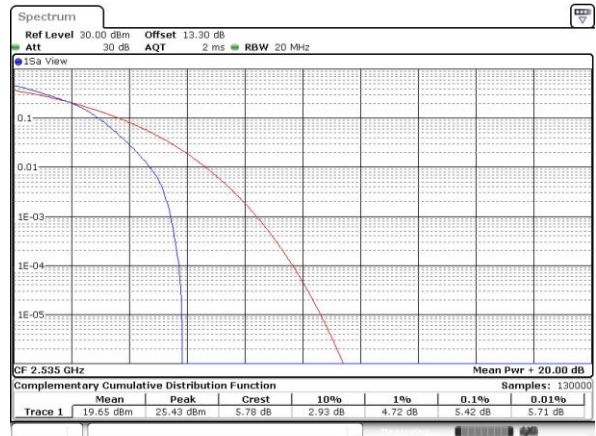
Lowest Channel / Full RB



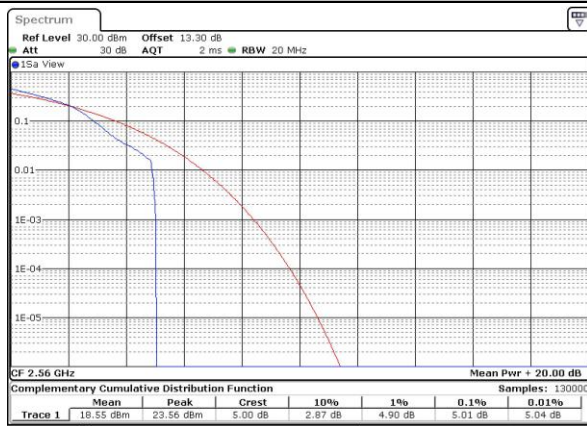
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





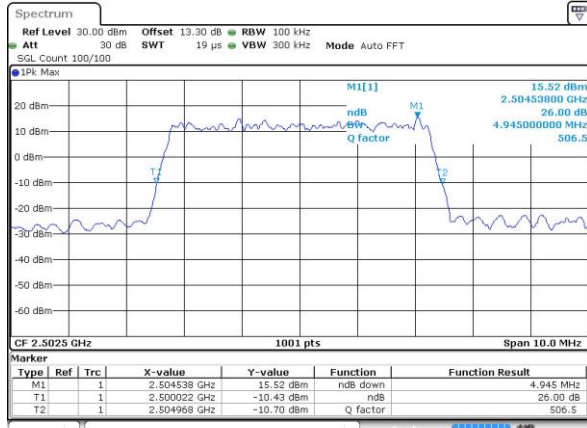
26dB Bandwidth

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	-	-	-	-	4.95	4.82	9.75	9.79	14.60	14.39	20.26	20.30
Middle CH	-	-	-	-	4.89	4.89	9.93	9.81	14.30	14.24	20.22	20.30
Highest CH	-	-	-	-	4.87	4.88	9.83	9.79	14.27	14.45	20.22	20.30

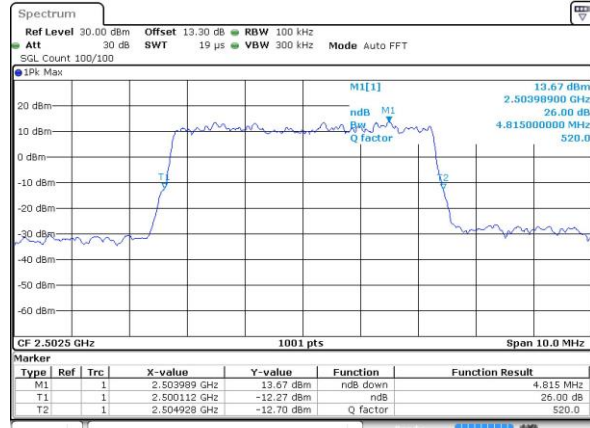


LTE Band 7

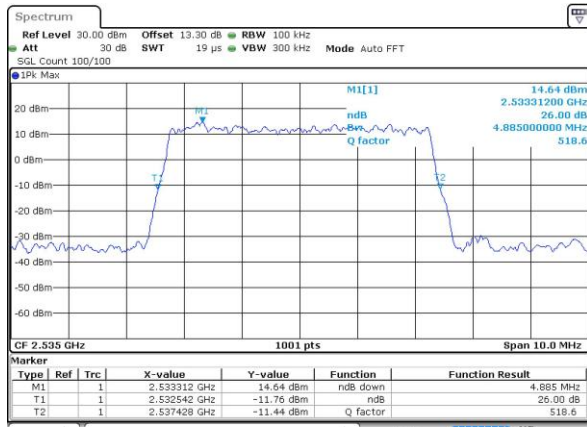
Lowest Channel / 5MHz / QPSK



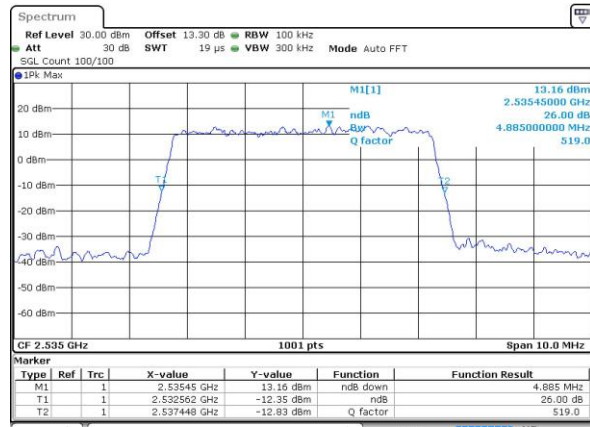
Lowest Channel / 5MHz / 16QAM



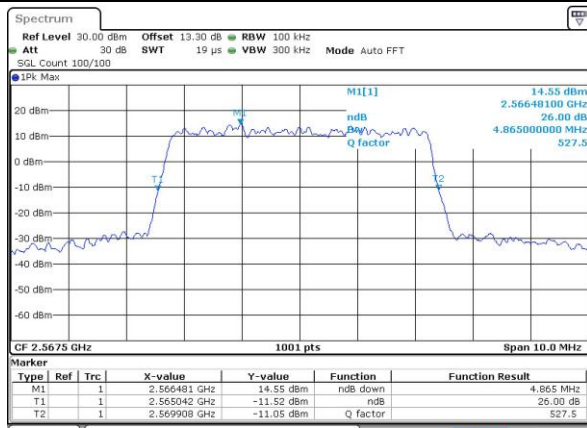
Middle Channel / 5MHz / QPSK



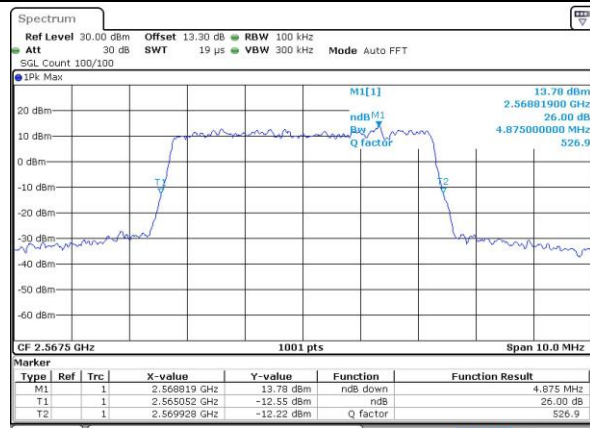
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



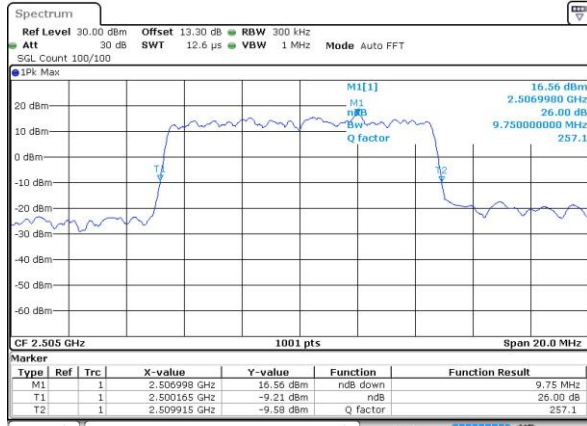
Highest Channel / 5MHz / 16QAM





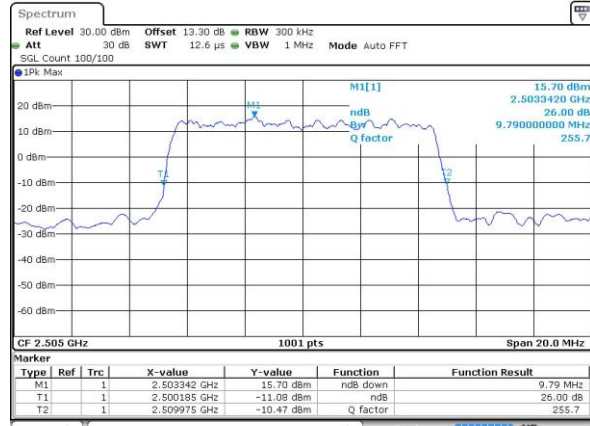
LTE Band 7

Lowest Channel / 10MHz / QPSK



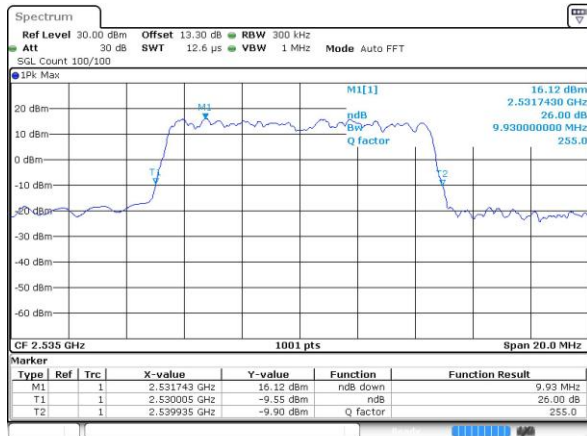
Date: 9 APR 2018 16:00:32

Lowest Channel / 10MHz / 16QAM



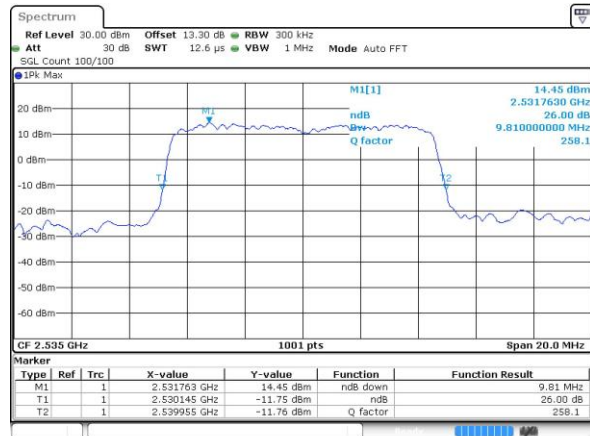
Date: 9 APR 2018 16:00:43

Middle Channel / 10MHz / QPSK



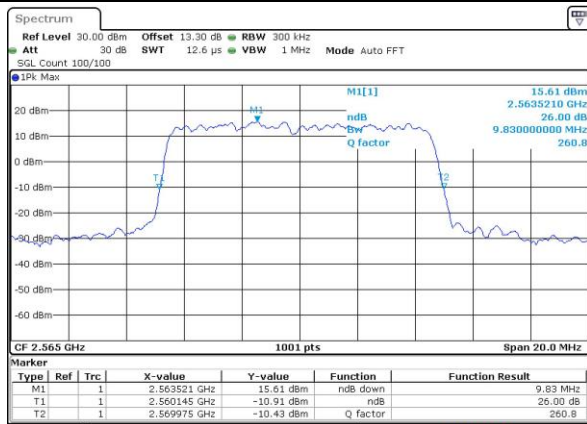
Date: 9 APR 2018 16:07:41

Middle Channel / 10MHz / 16QAM



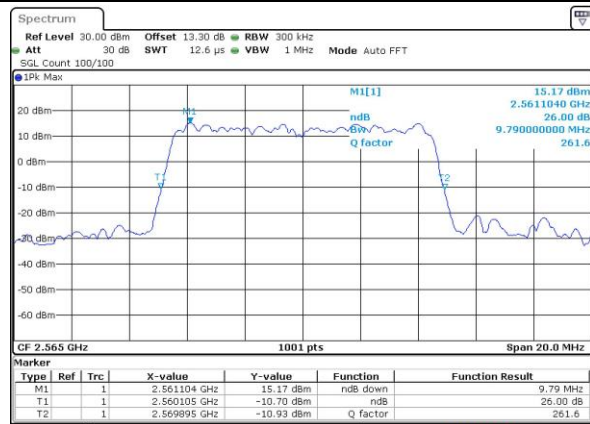
Date: 9 APR 2018 16:07:51

Highest Channel / 10MHz / QPSK



Date: 9 APR 2018 16:10:10

Highest Channel / 10MHz / 16QAM

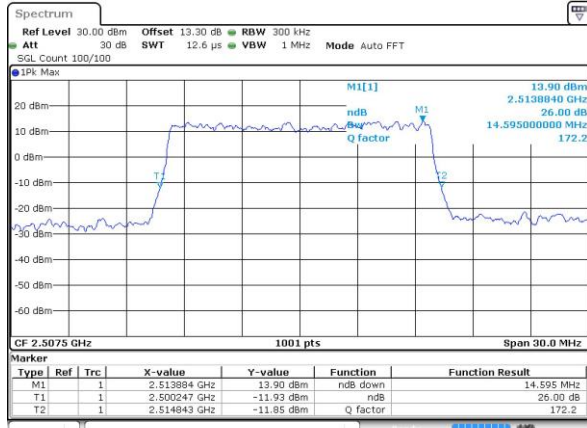


Date: 9 APR 2018 16:10:21

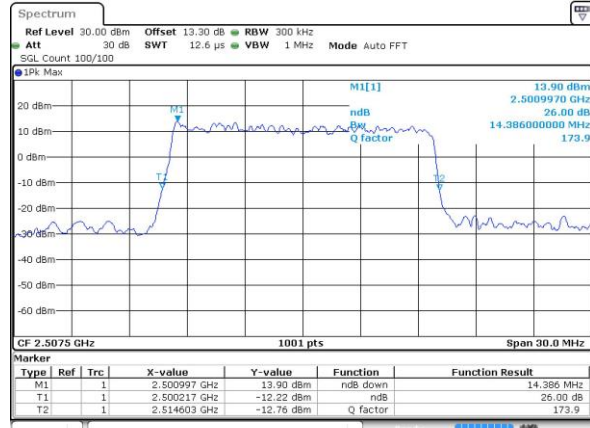


LTE Band 7

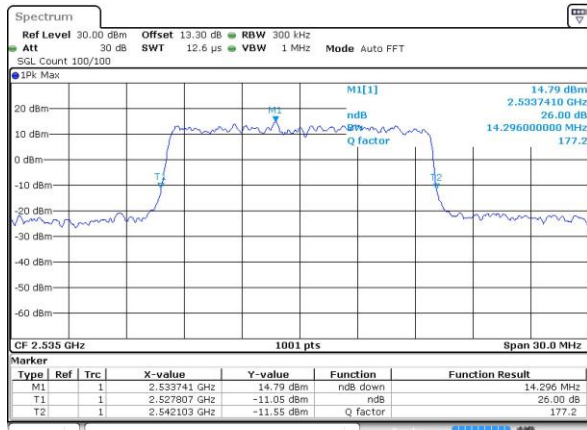
Lowest Channel / 15MHz / QPSK



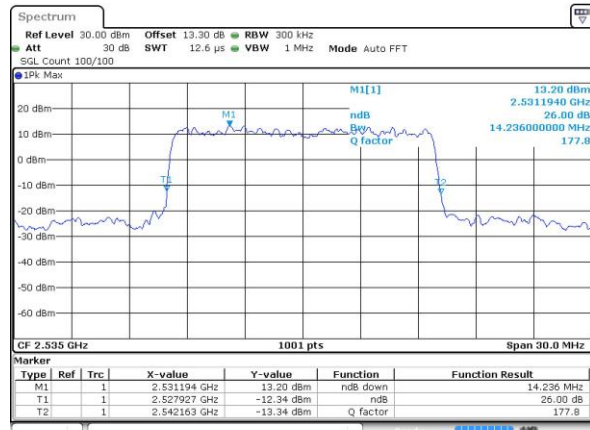
Lowest Channel / 15MHz / 16QAM



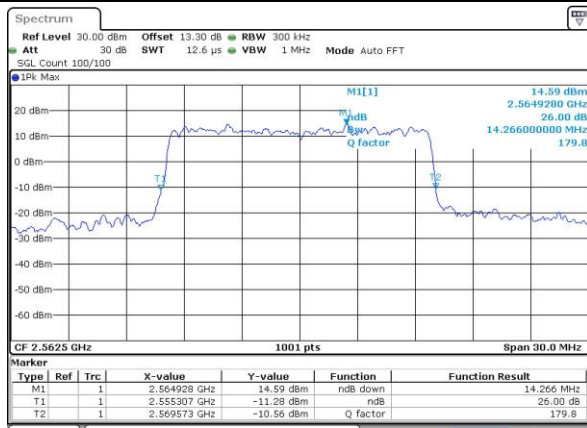
Middle Channel / 15MHz / QPSK



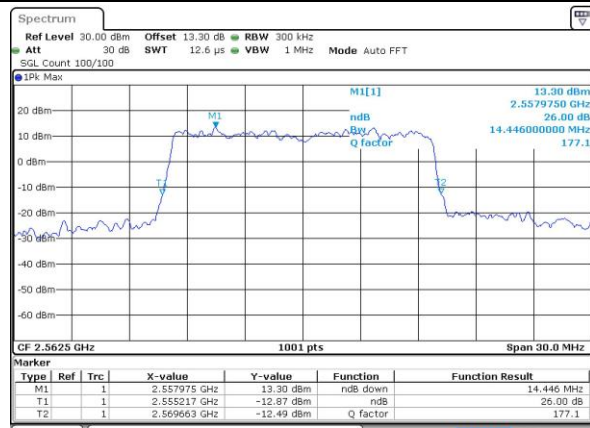
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



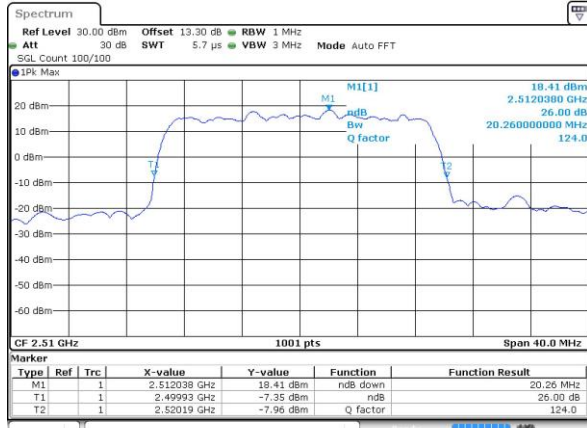
Highest Channel / 15MHz / 16QAM



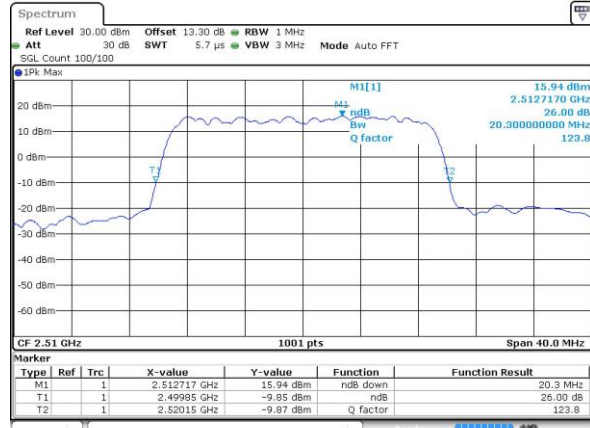


LTE Band 7

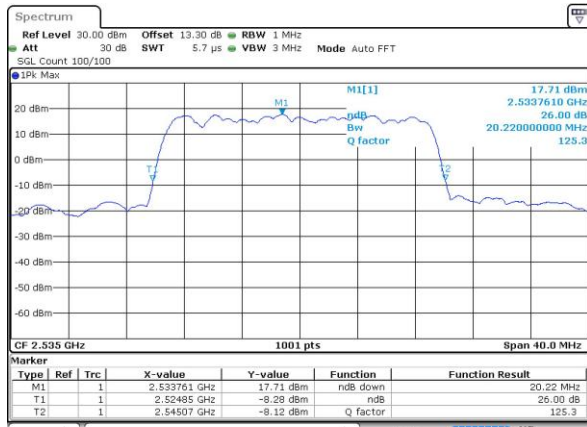
Lowest Channel / 20MHz / QPSK



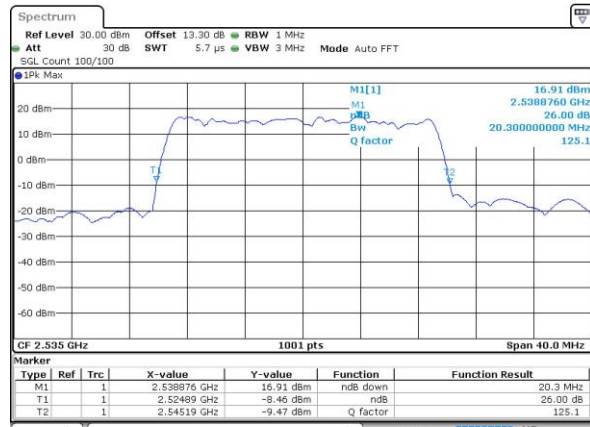
Lowest Channel / 20MHz / 16QAM



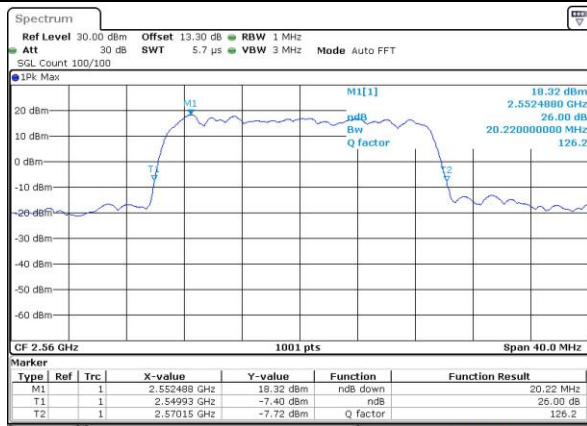
Middle Channel / 20MHz / QPSK



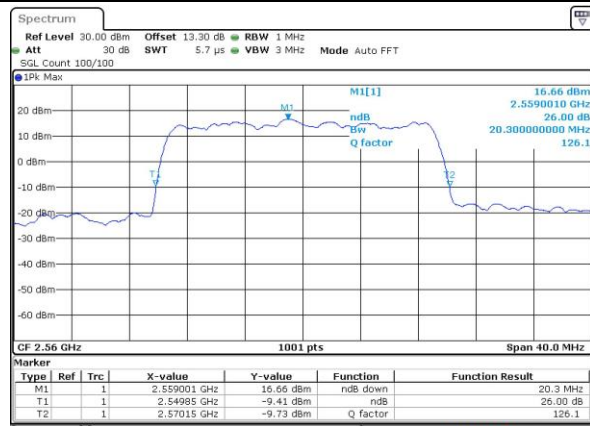
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



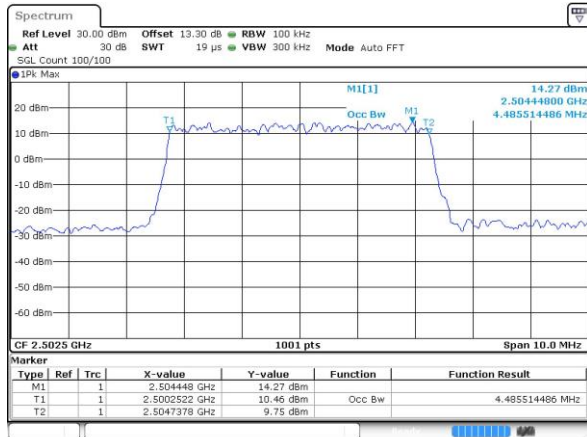
**Occupied Bandwidth**

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	-	-	-	-	4.49	4.48	9.05	9.03	13.46	13.4	18.26	18.3
Middle CH	-	-	-	-	4.49	4.49	9.01	9.05	13.4	13.52	18.46	18.42
Highest CH	-	-	-	-	4.51	4.5	9.03	9.03	13.46	13.46	18.46	18.5

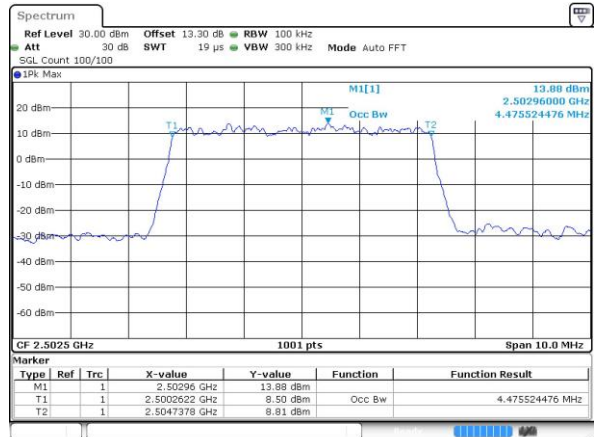


LTE Band 7

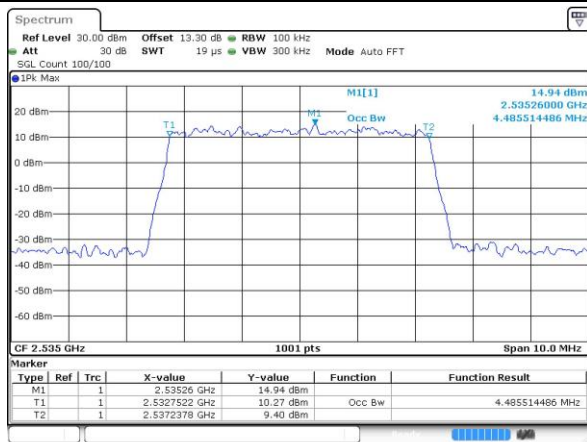
Lowest Channel / 5MHz / QPSK



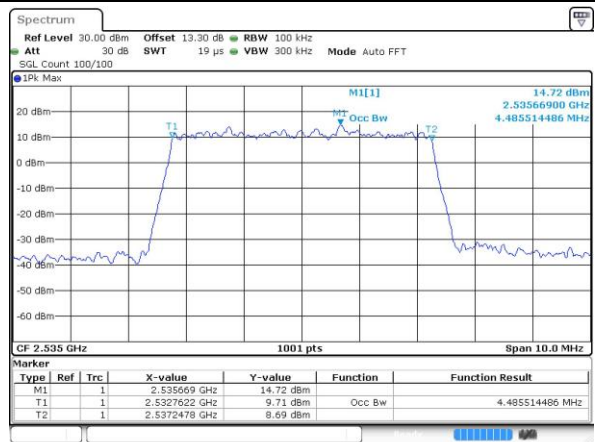
Lowest Channel / 5MHz / 16QAM



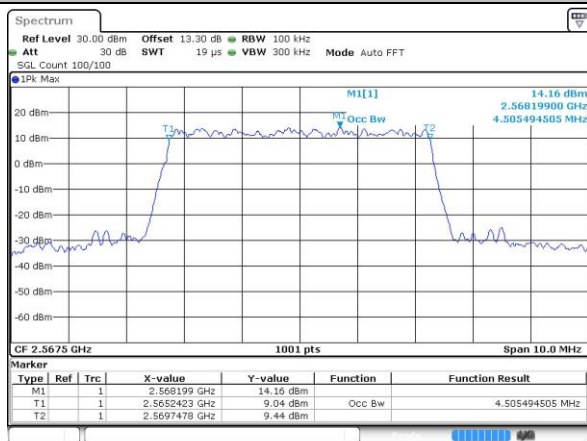
Middle Channel / 5MHz / QPSK



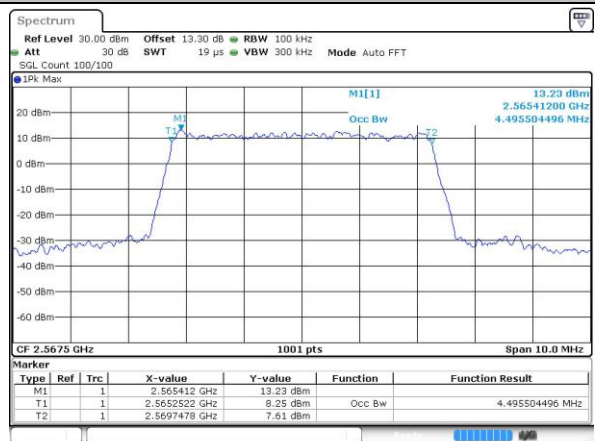
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



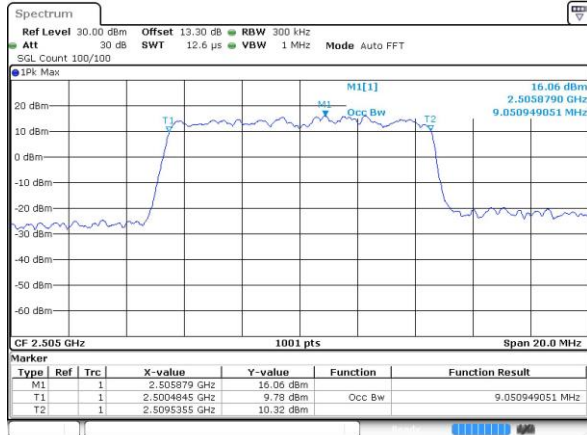
Highest Channel / 5MHz / 16QAM





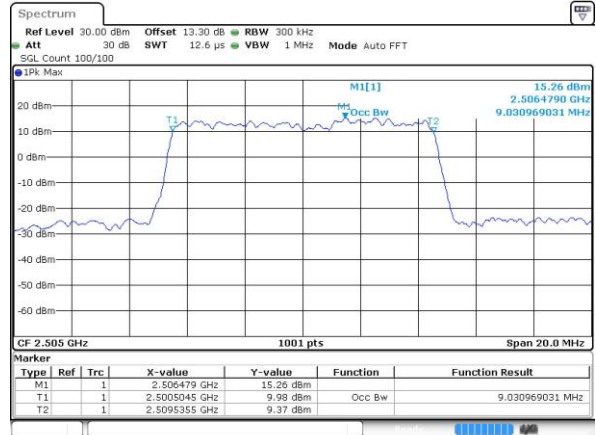
LTE Band 7

Lowest Channel / 10MHz / QPSK



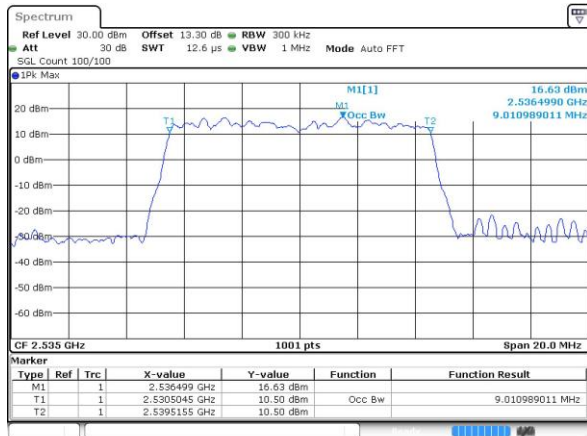
Date: 9 APR 2018 16:00:11

Lowest Channel / 10MHz / 16QAM



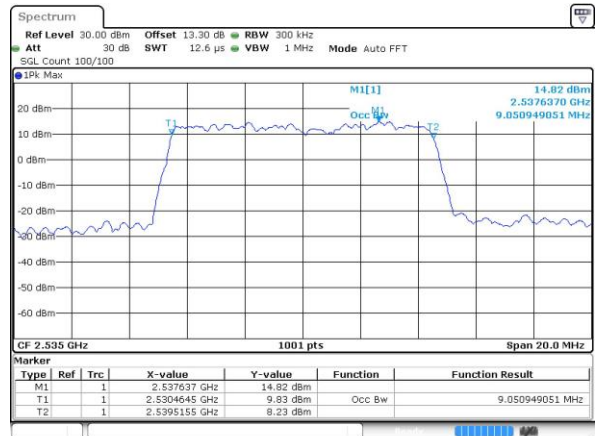
Date: 9 APR 2018 16:00:22

Middle Channel / 10MHz / QPSK



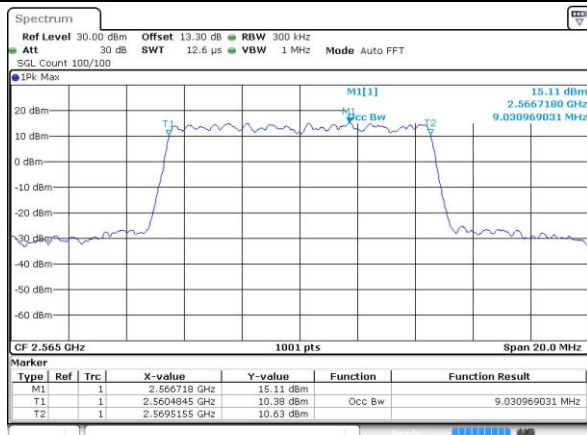
Date: 9 APR 2018 16:07:20

Middle Channel / 10MHz / 16QAM



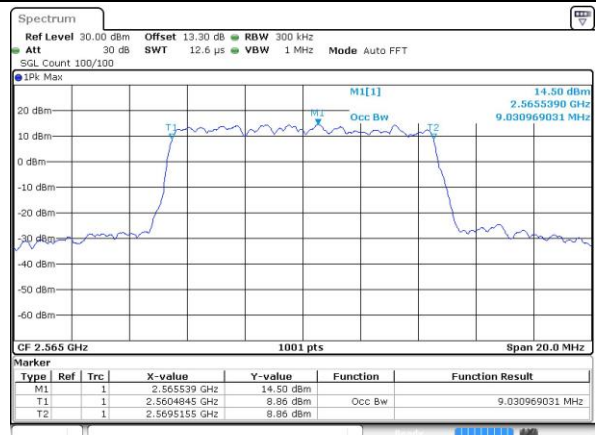
Date: 9 APR 2018 16:07:30

Highest Channel / 10MHz / QPSK



Date: 9 APR 2018 16:09:49

Highest Channel / 10MHz / 16QAM

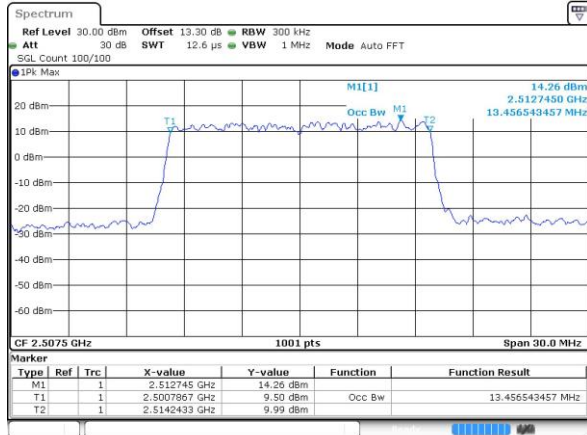


Date: 9 APR 2018 16:10:00

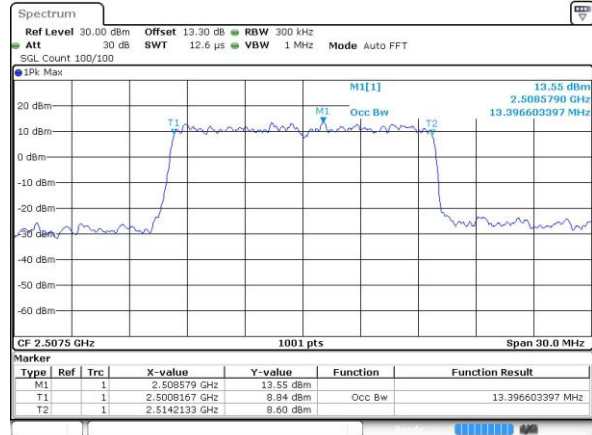


LTE Band 7

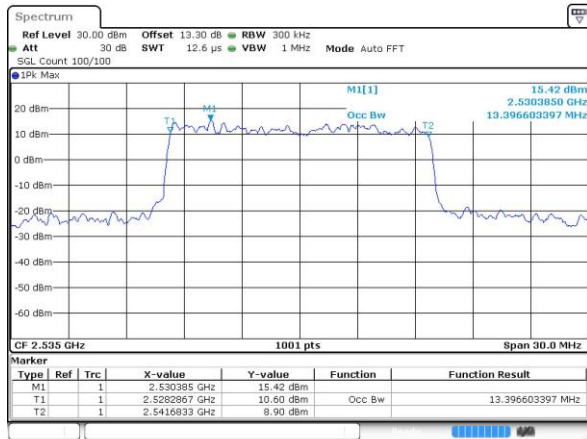
Lowest Channel / 15MHz / QPSK



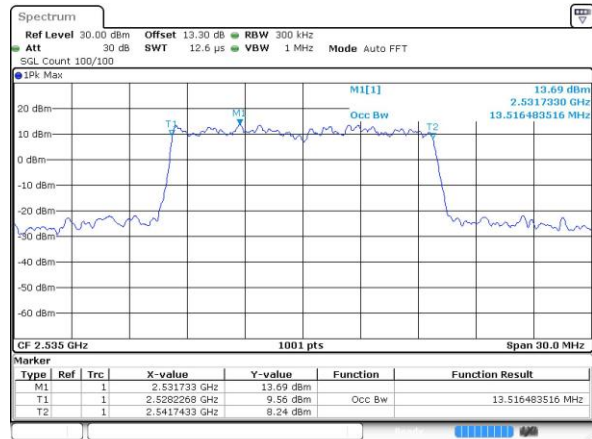
Lowest Channel / 15MHz / 16QAM



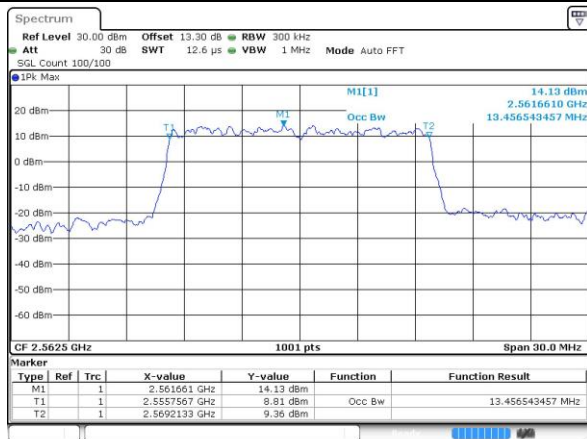
Middle Channel / 15MHz / QPSK



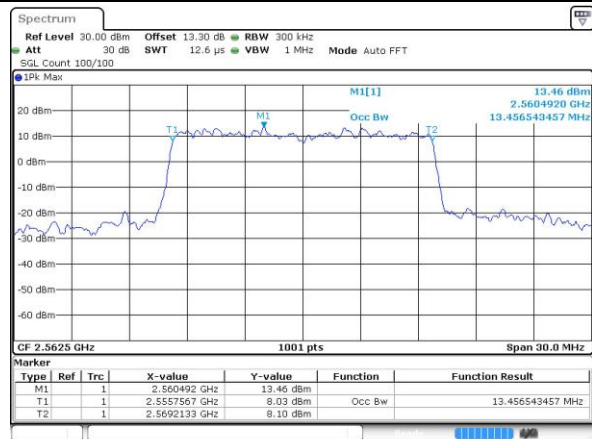
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



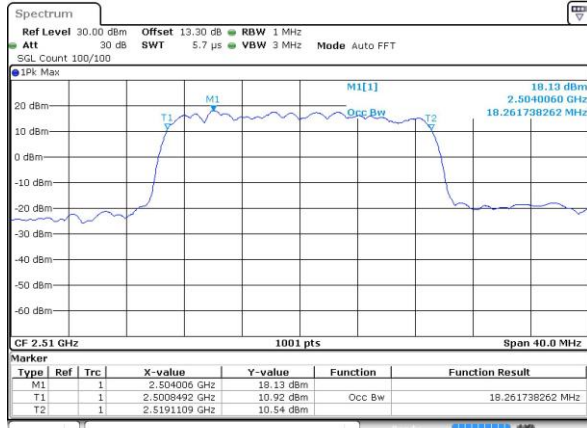
Highest Channel / 15MHz / 16QAM





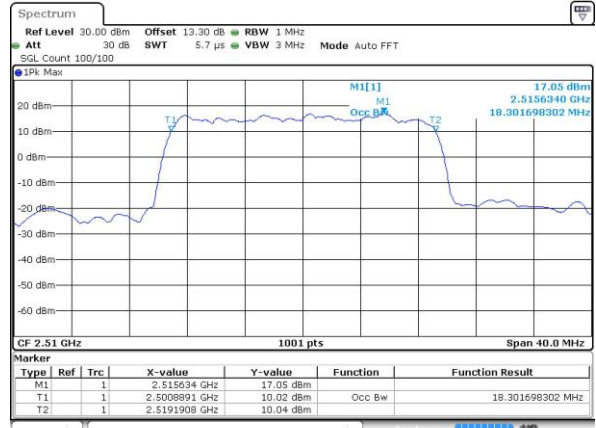
LTE Band 7

Lowest Channel / 20MHz / QPSK



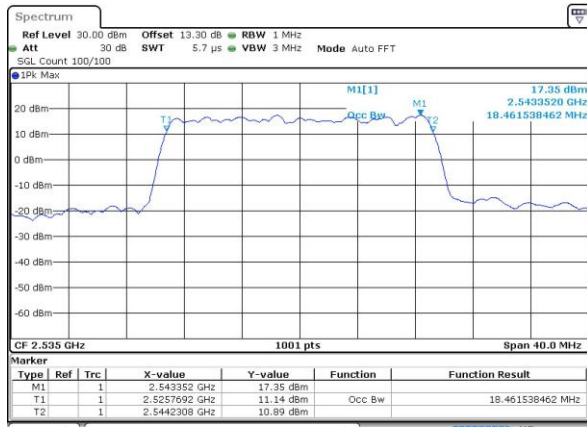
Date: 9 APR 2018 16:33:46

Lowest Channel / 20MHz / 16QAM



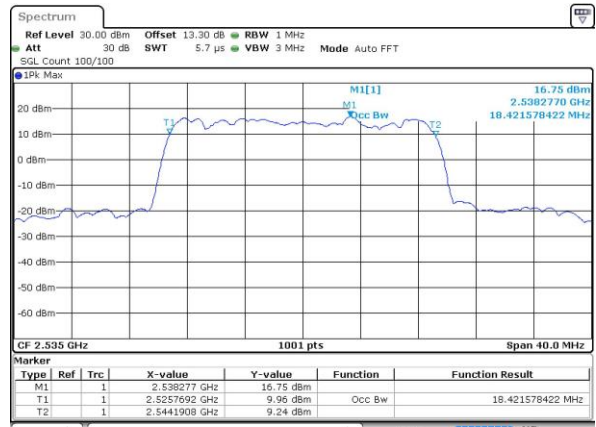
Date: 9 APR 2018 16:33:56

Middle Channel / 20MHz / QPSK



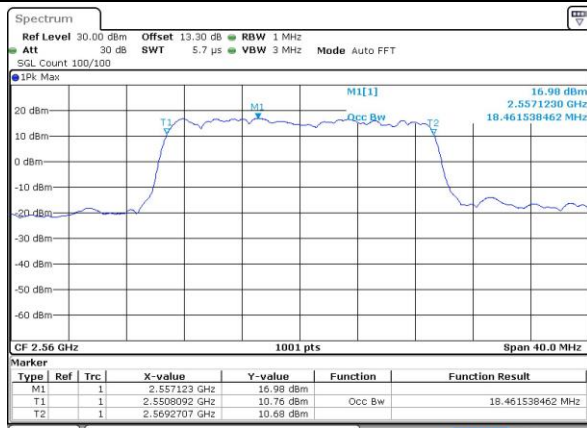
Date: 9 APR 2018 16:40:54

Middle Channel / 20MHz / 16QAM



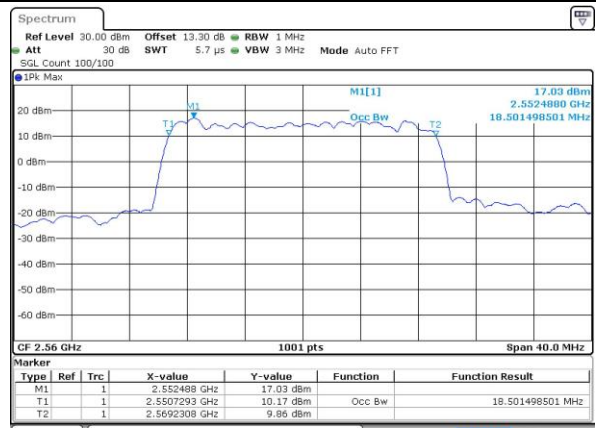
Date: 9 APR 2018 16:41:05

Highest Channel / 20MHz / QPSK



Date: 9 APR 2018 16:43:24

Highest Channel / 20MHz / 16QAM



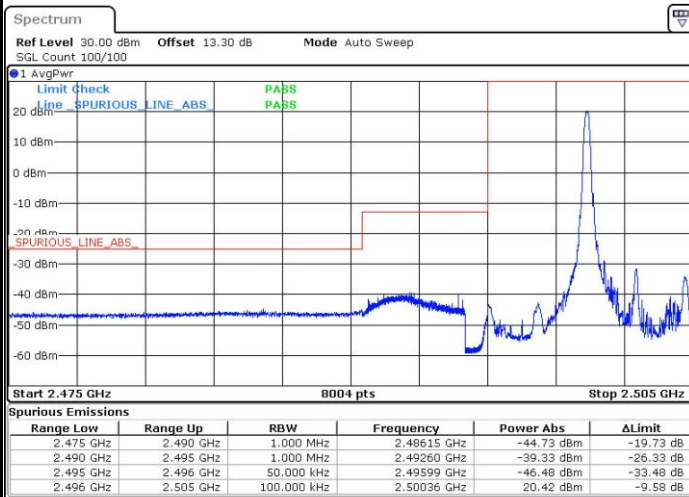
Date: 9 APR 2018 16:43:34



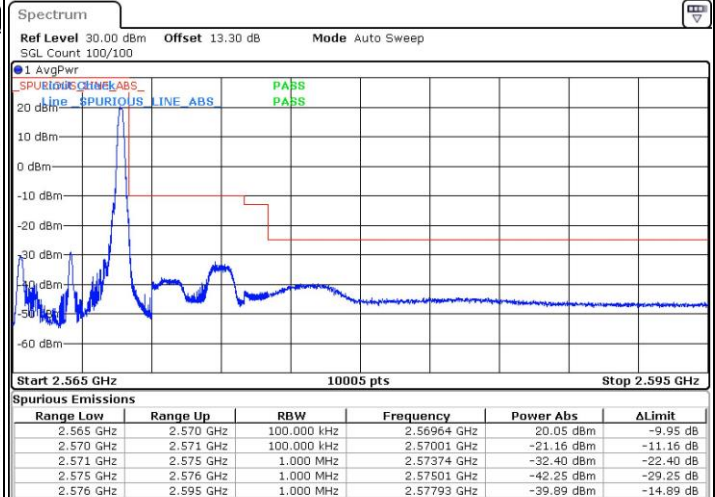
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



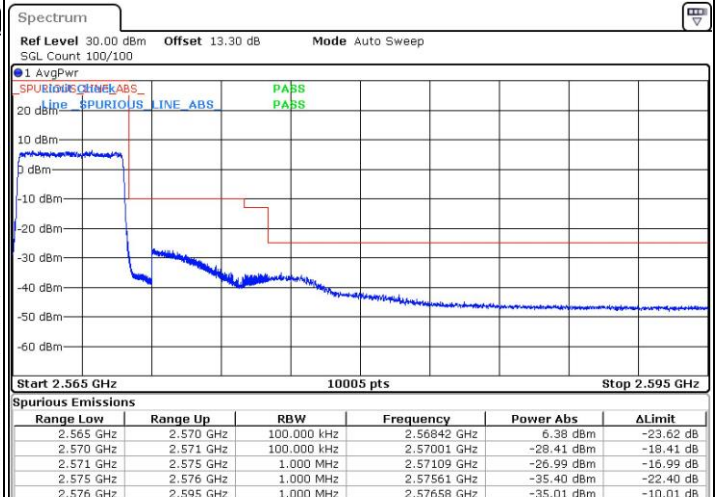
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



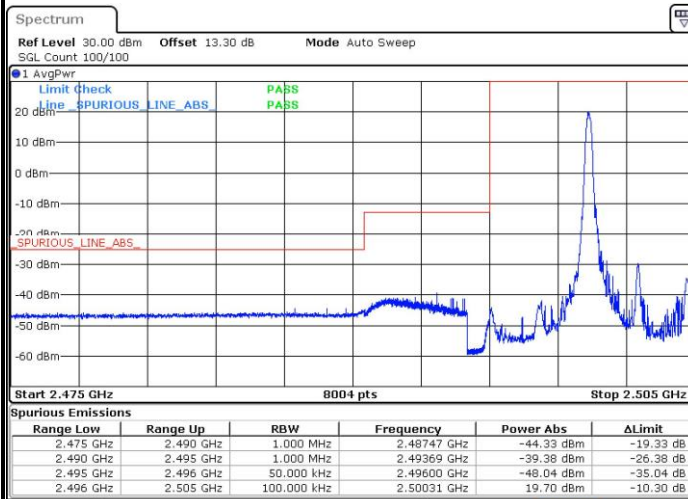
Highest Band Edge / Full RB



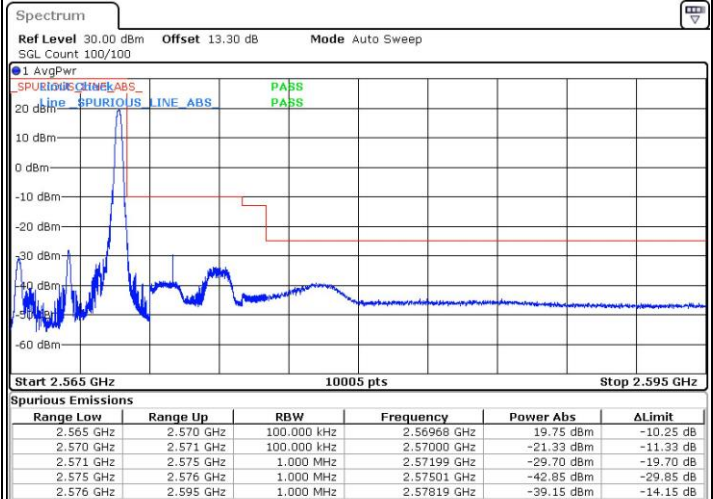


LTE Band 7 / 5MHz / 16QAM

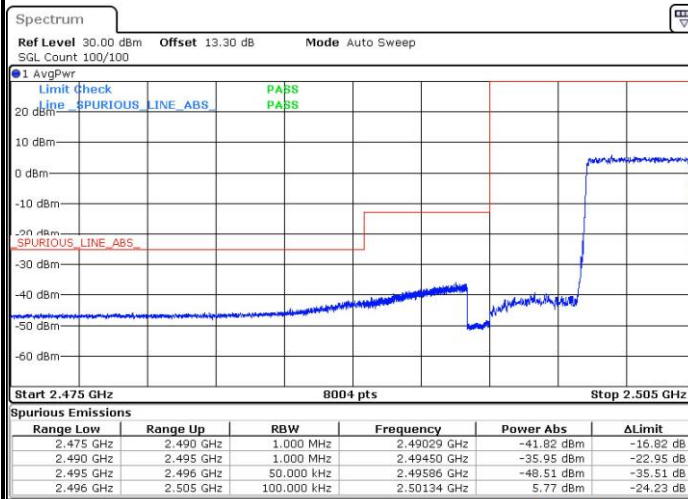
Lowest Band Edge / 1 RB



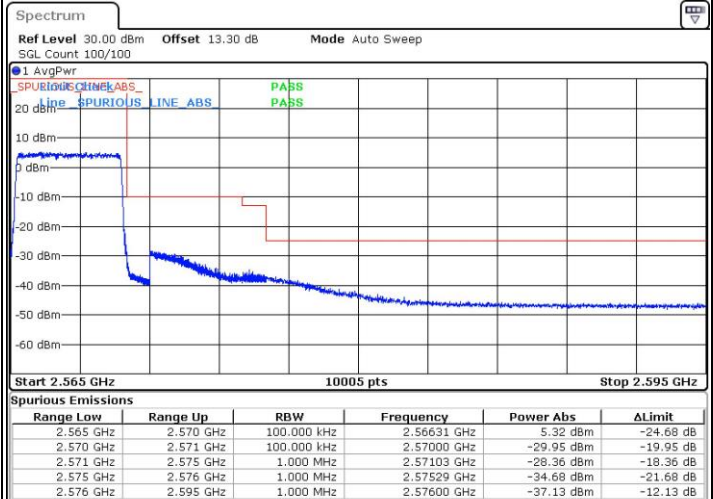
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



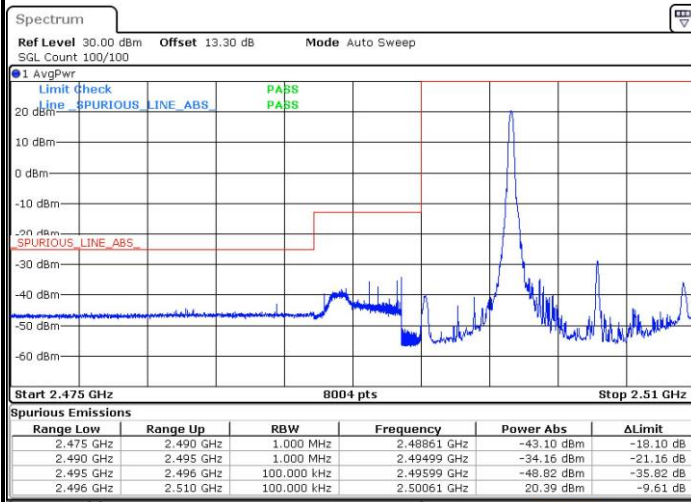
Highest Band Edge / Full RB



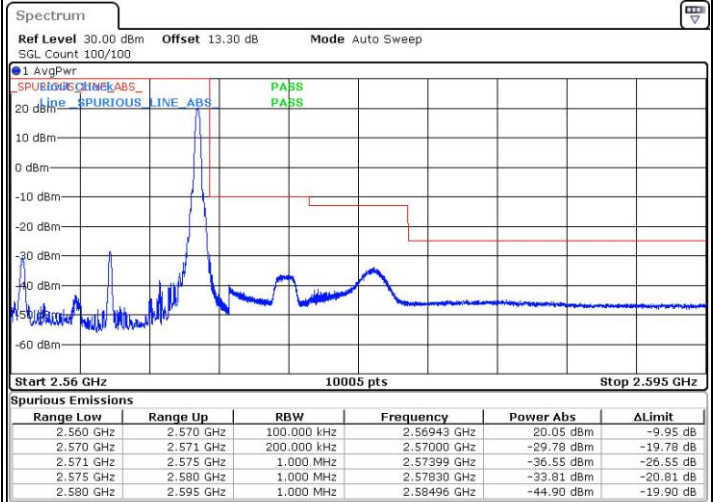


LTE Band 7 / 10MHz / QPSK

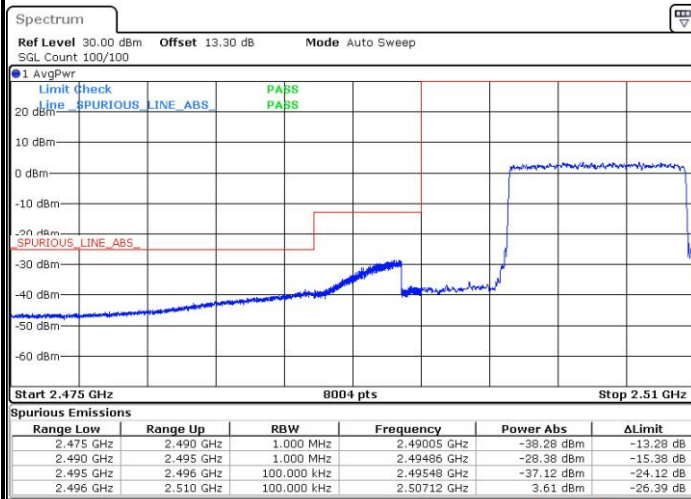
Lowest Band Edge / 1 RB



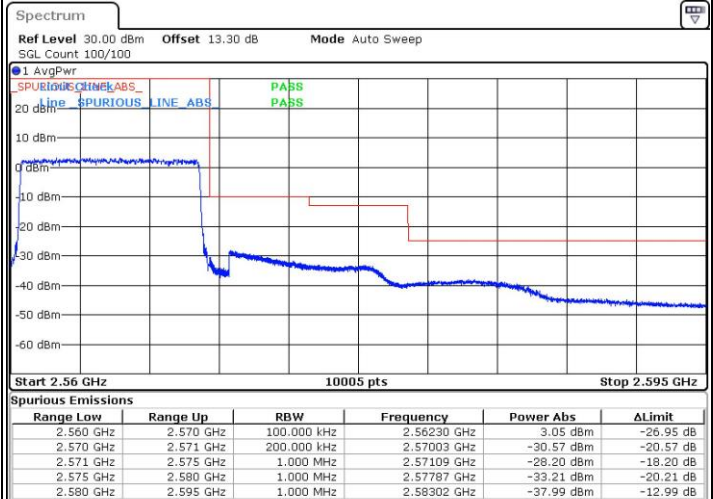
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



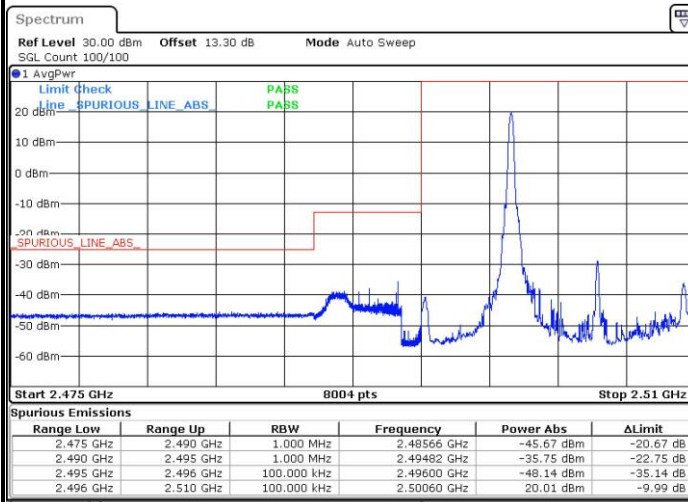
Highest Band Edge / Full RB



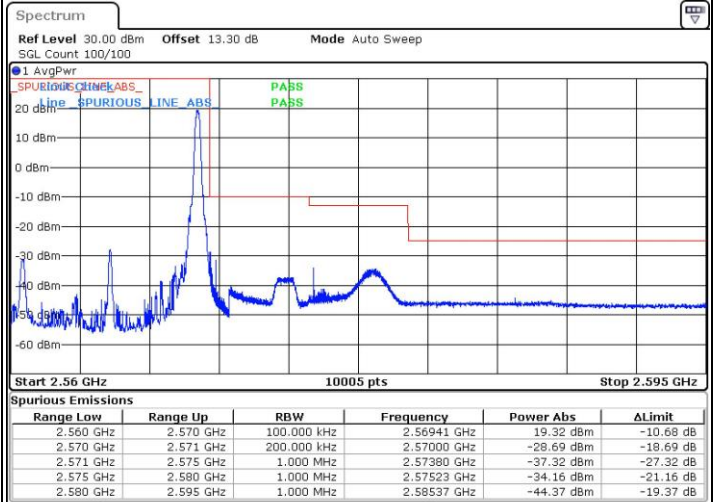


LTE Band 7 / 10MHz / 16QAM

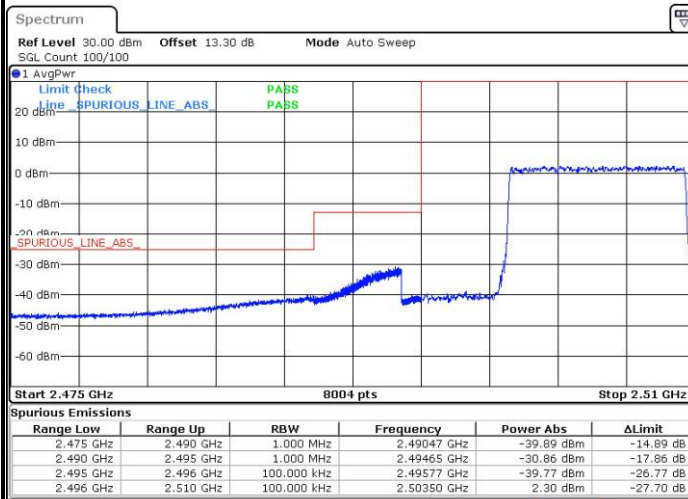
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

