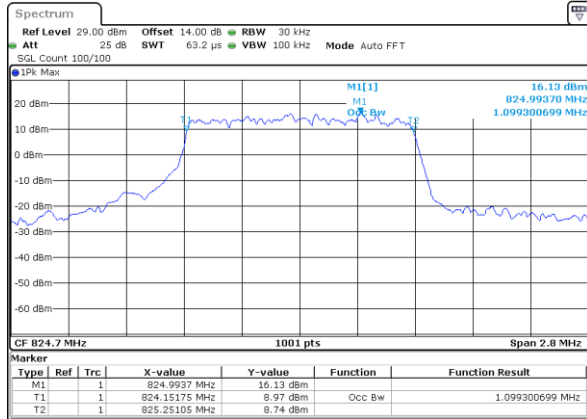


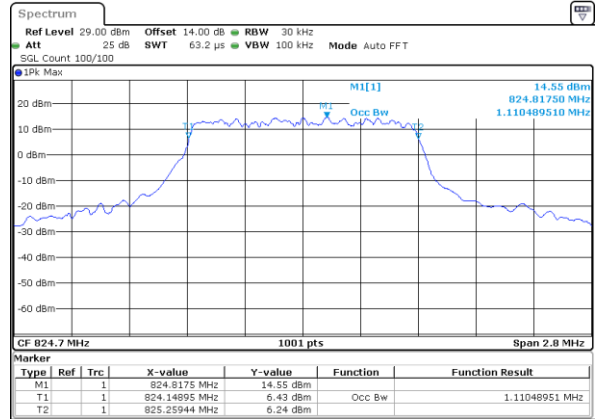


LTE Band 5

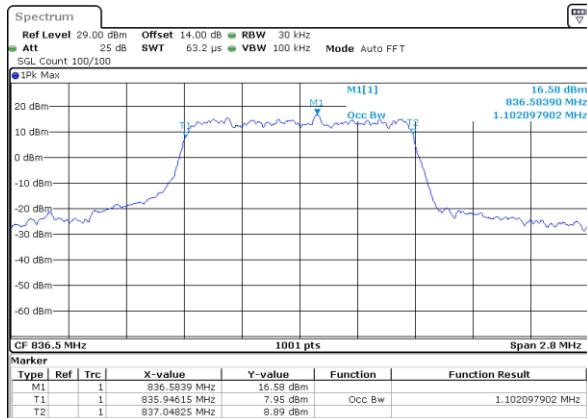
Lowest Channel / 1.4MHz / QPSK



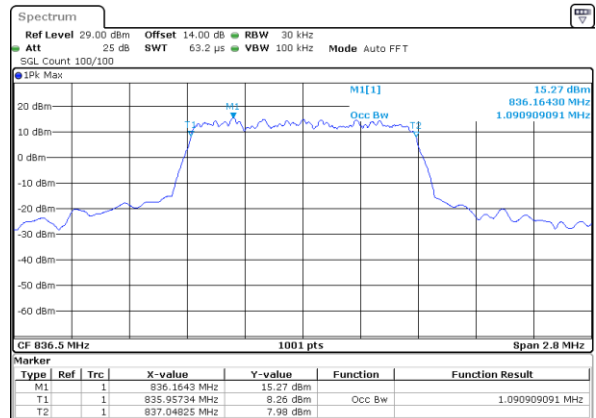
Lowest Channel / 1.4MHz / 16QAM



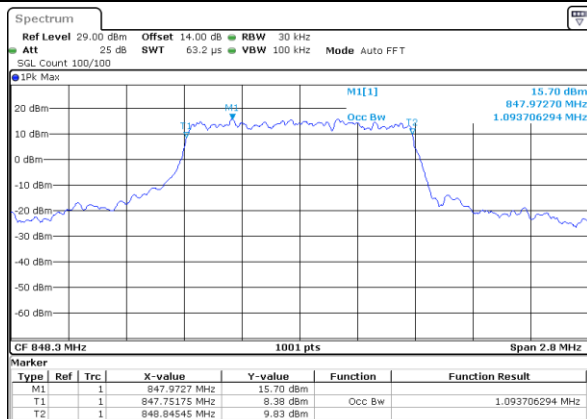
Middle Channel / 1.4MHz / QPSK



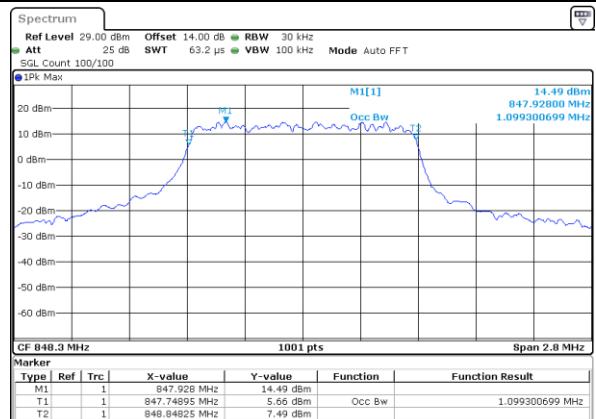
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



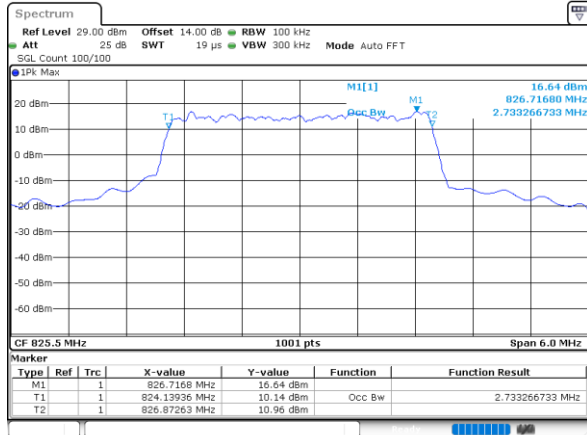
Highest Channel / 1.4MHz / 16QAM



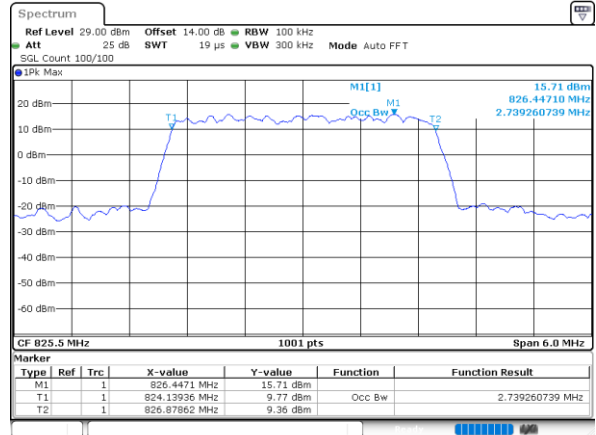


LTE Band 5

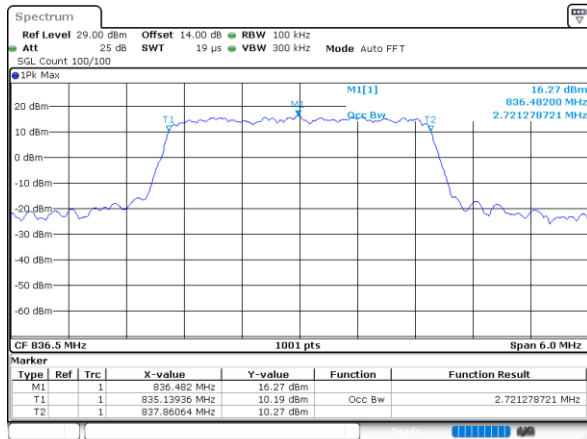
Lowest Channel / 3MHz / QPSK



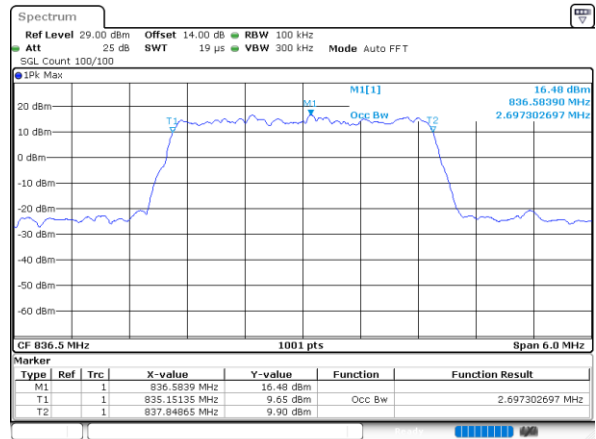
Lowest Channel / 3MHz / 16QAM



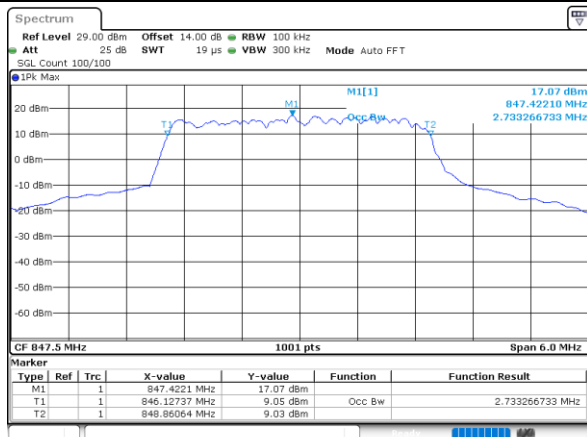
Middle Channel / 3MHz / QPSK



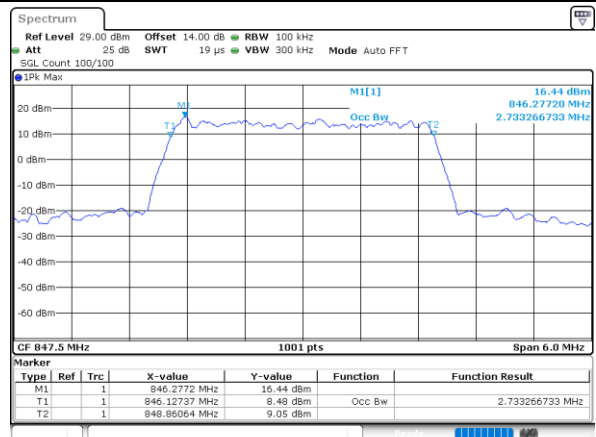
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



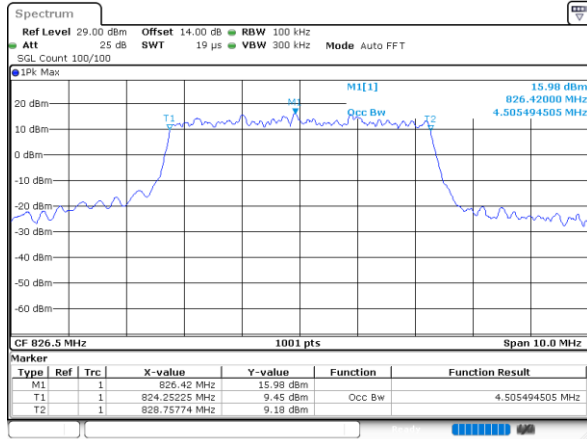
Highest Channel / 3MHz / 16QAM



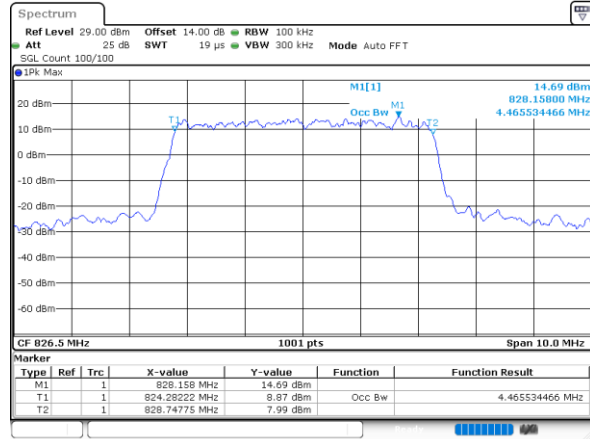


LTE Band 5

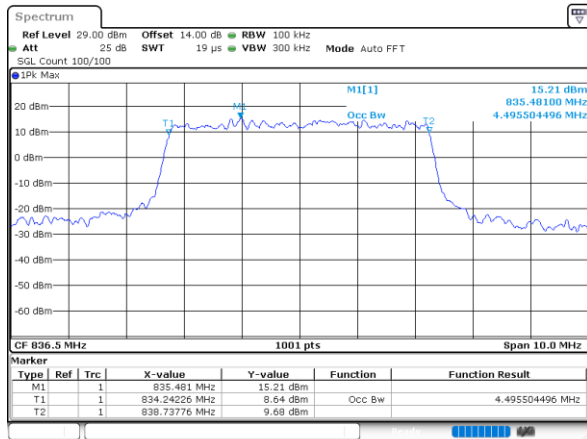
Lowest Channel / 5MHz / QPSK



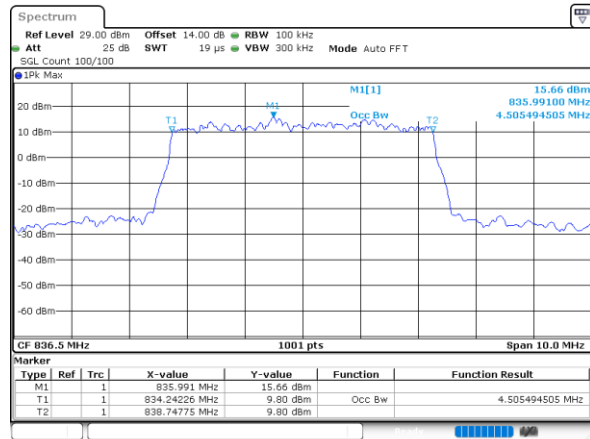
Lowest Channel / 5MHz / 16QAM



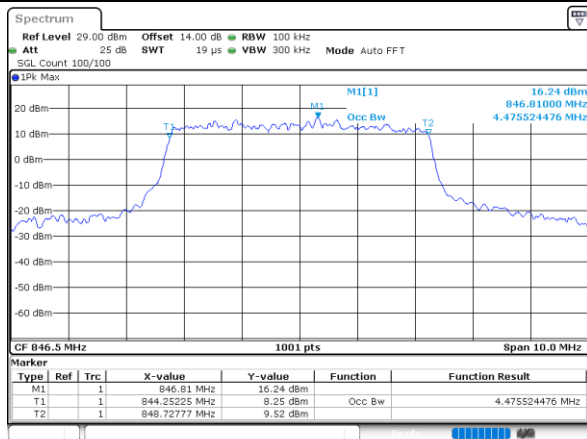
Middle Channel / 5MHz / QPSK



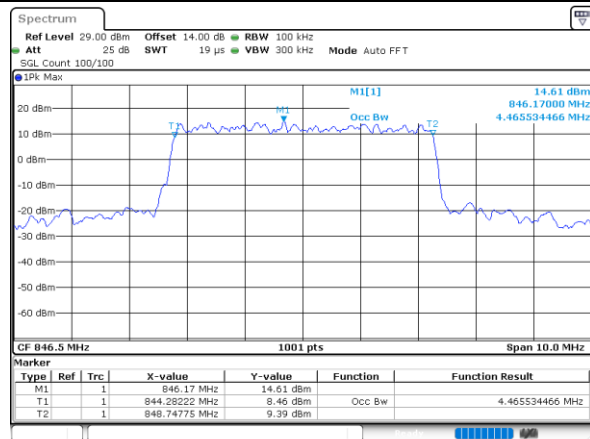
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



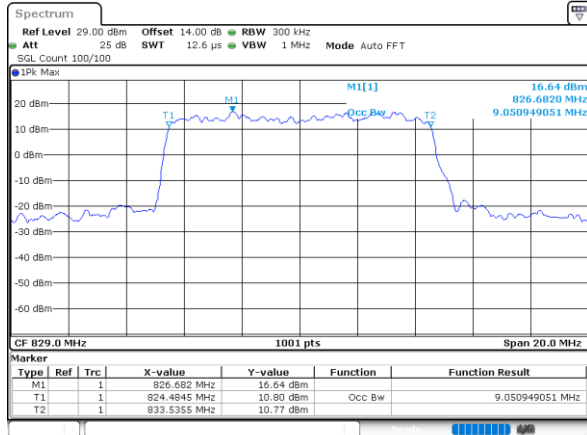
Highest Channel / 5MHz / 16QAM



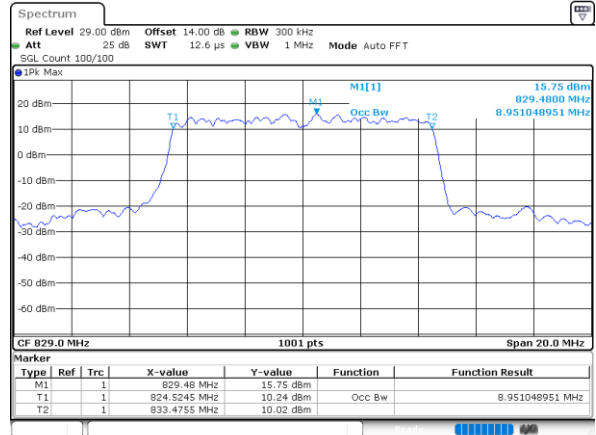


LTE Band 5

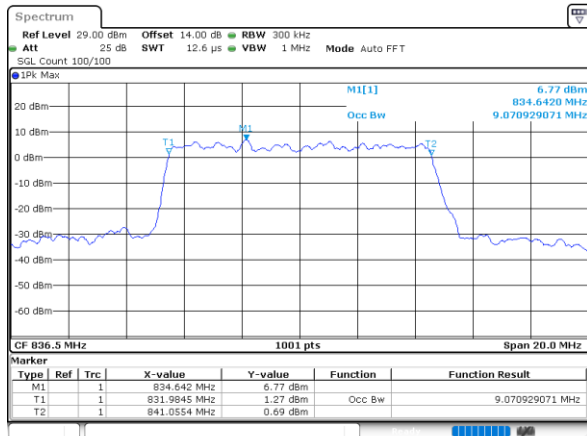
Lowest Channel / 10MHz / QPSK



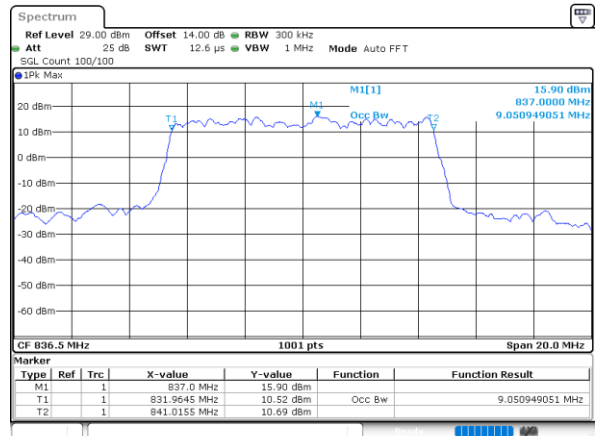
Lowest Channel / 10MHz / 16QAM



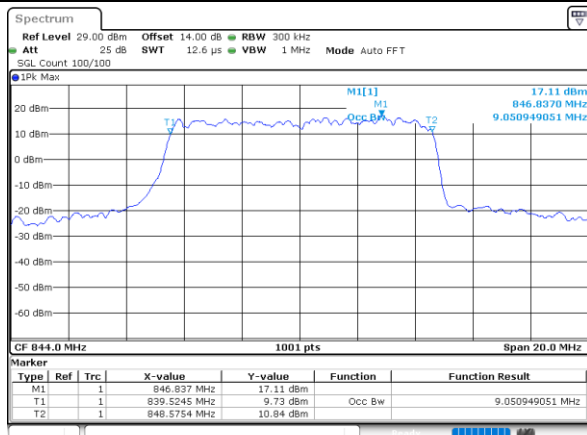
Middle Channel / 10MHz / QPSK



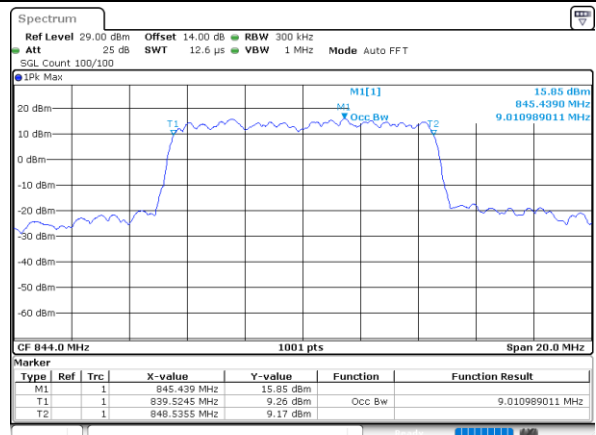
Middle Channel / 10MHz / 16QAM

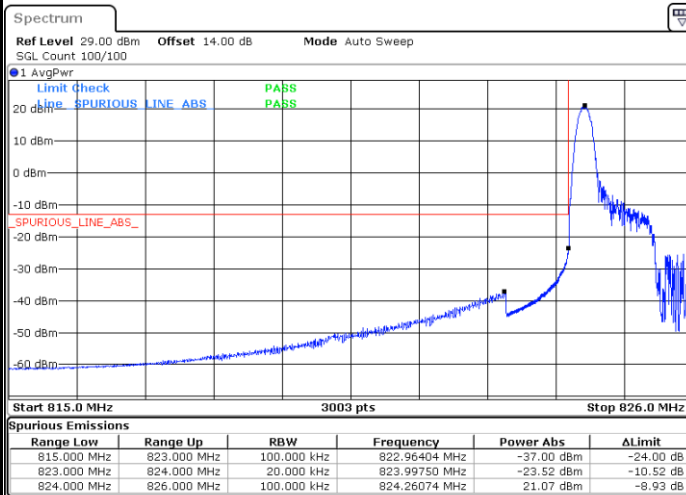
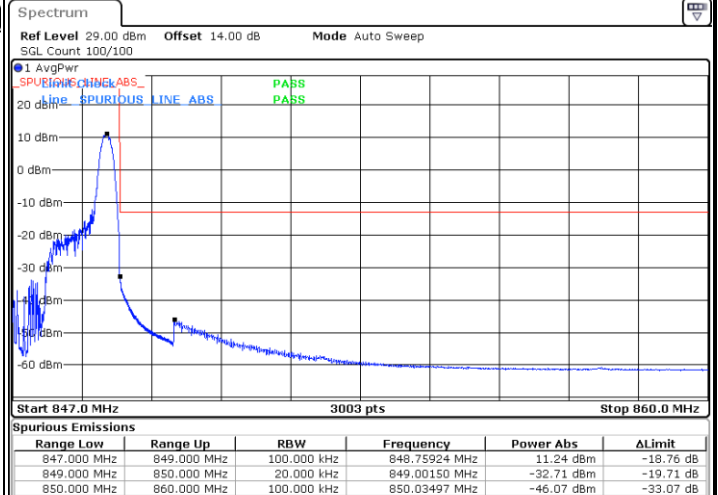
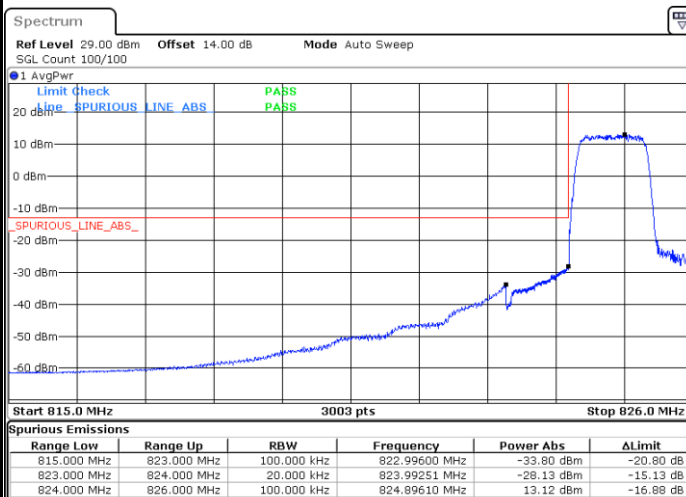
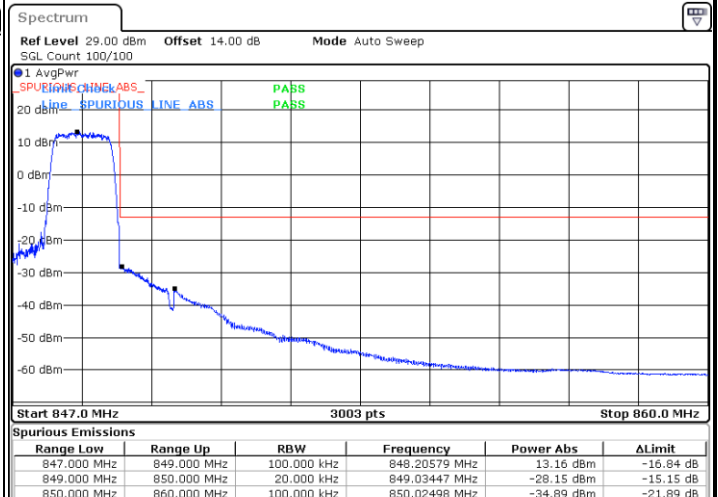


Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

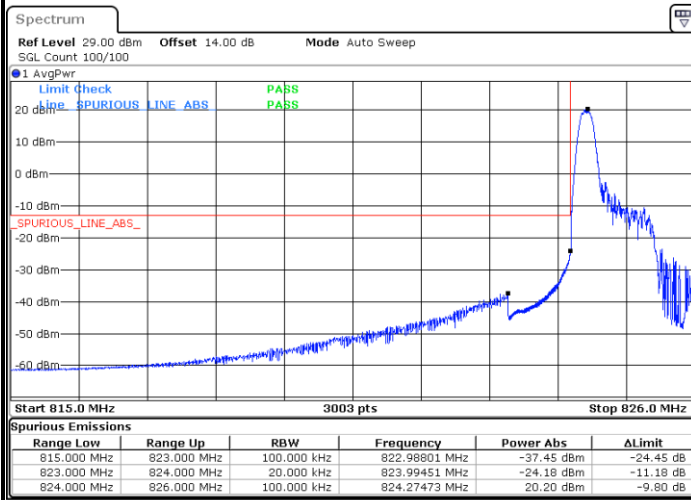


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

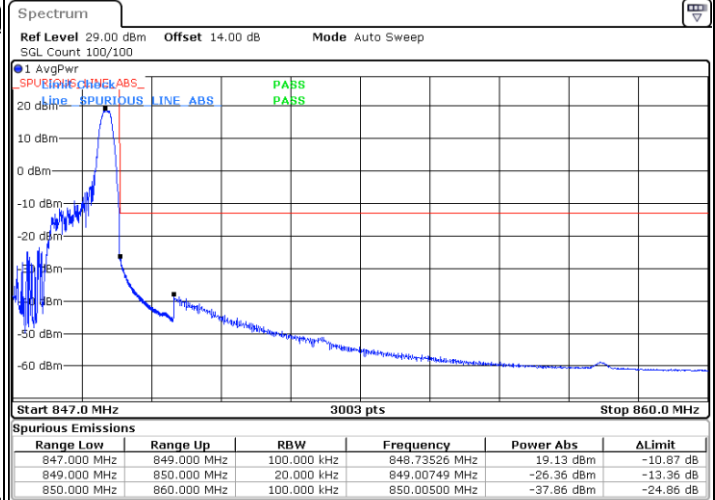


LTE Band 5 / 1.4MHz / 16QAM

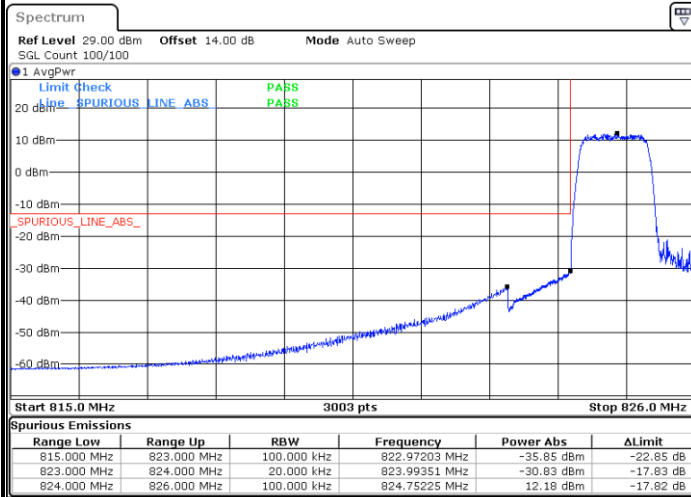
Lowest Band Edge / 1 RB



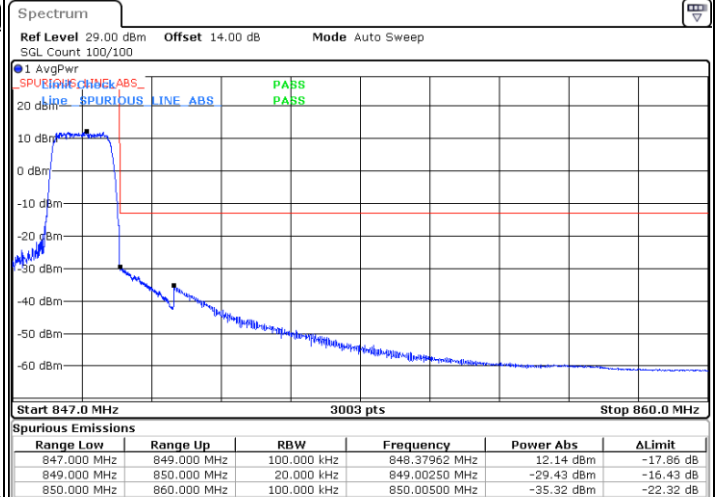
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



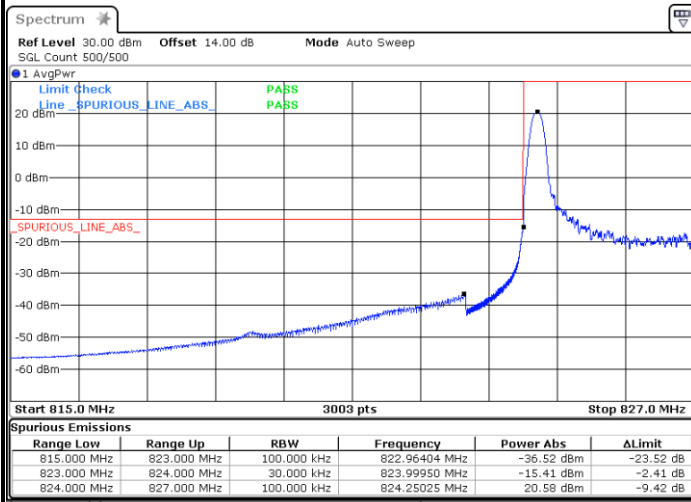
Highest Band Edge / Full RB



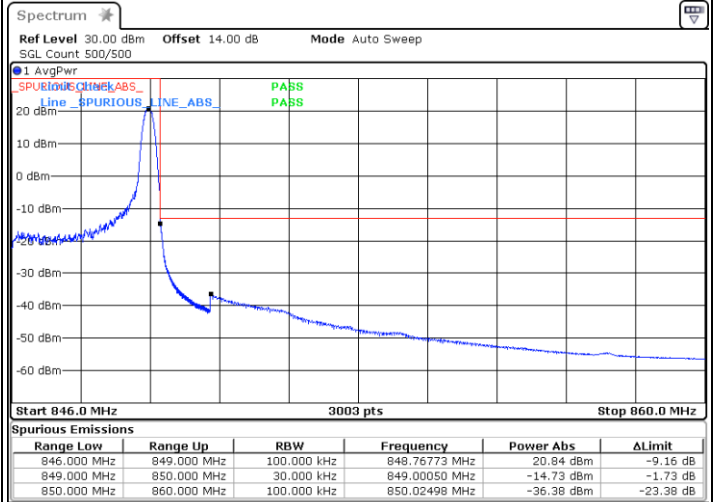


LTE Band 5 / 3MHz / QPSK

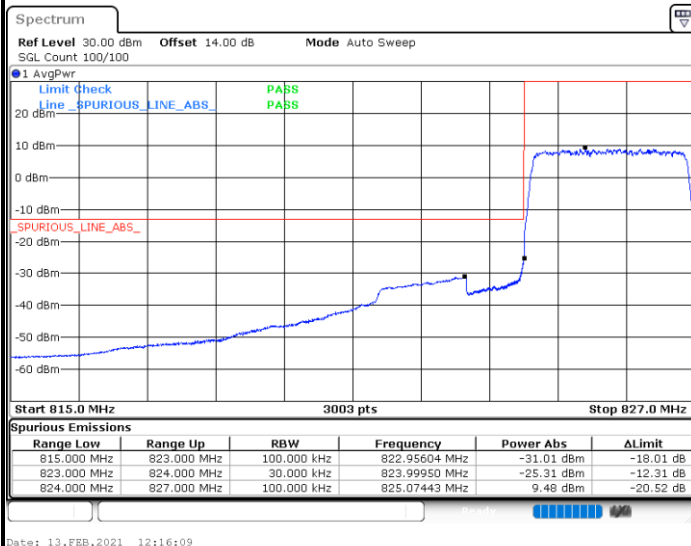
Lowest Band Edge / 1RB



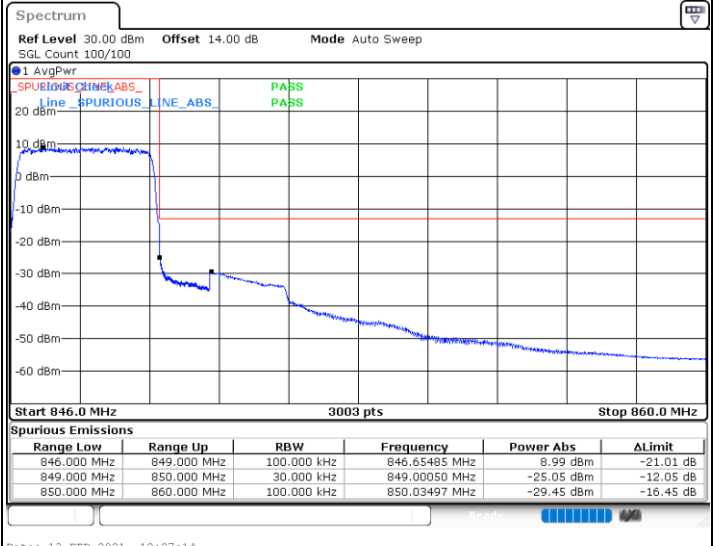
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



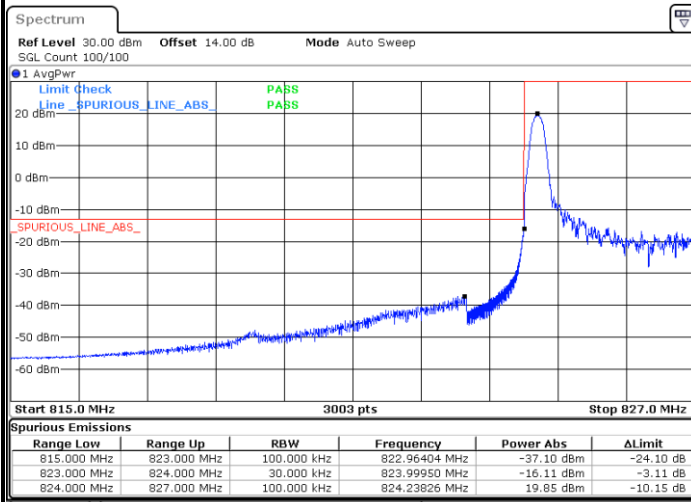
Highest Band Edge / Full RB



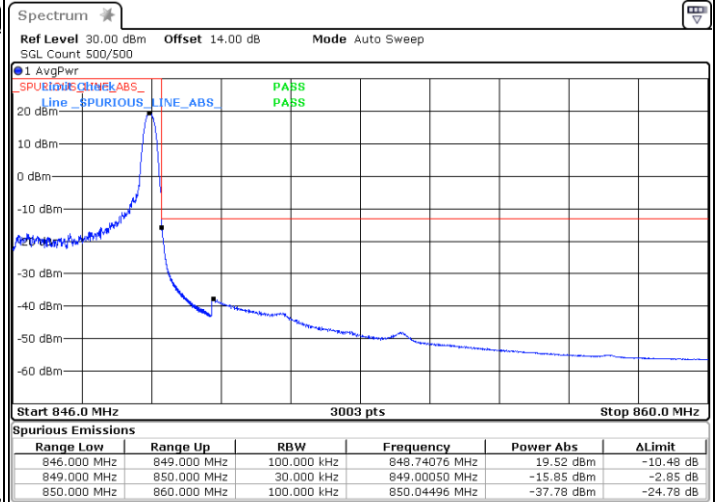


LTE Band 5 / 3MHz / 16QAM

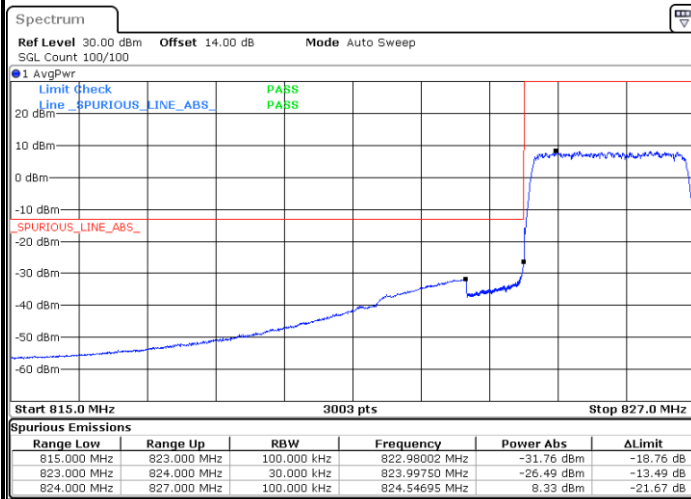
Lowest Band Edge / 1 RB



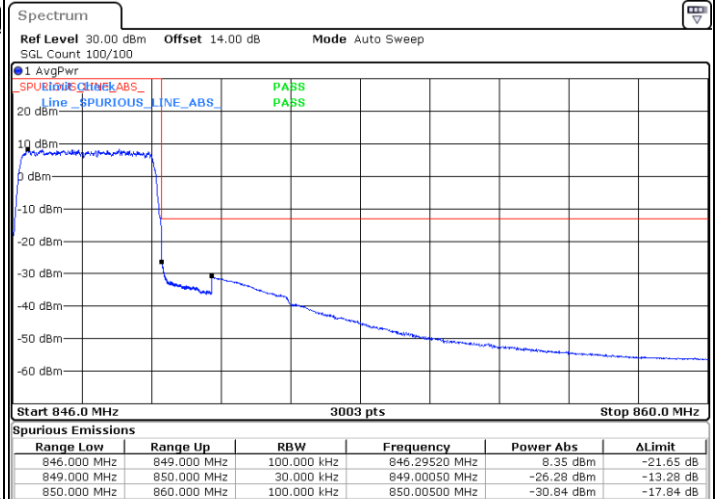
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



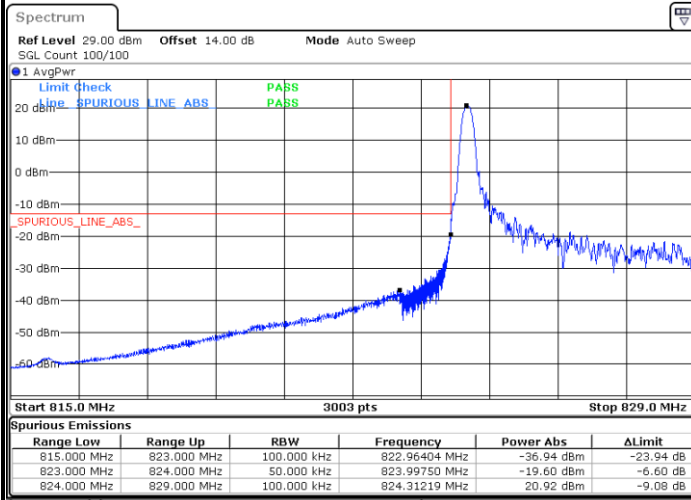
Highest Band Edge / Full RB



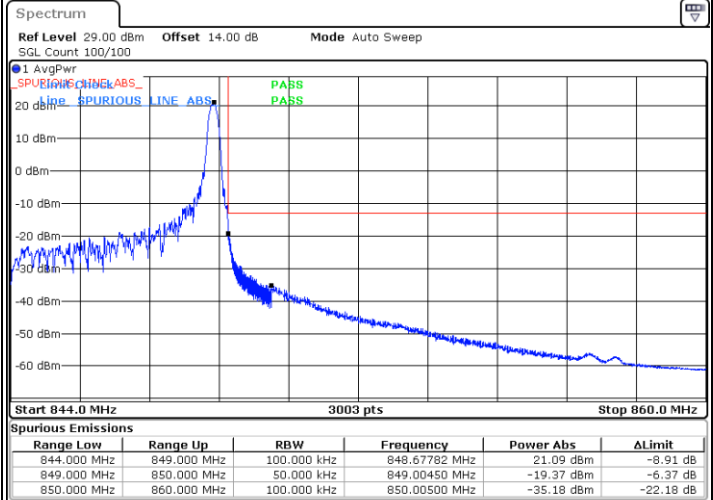


LTE Band 5 / 5MHz / QPSK

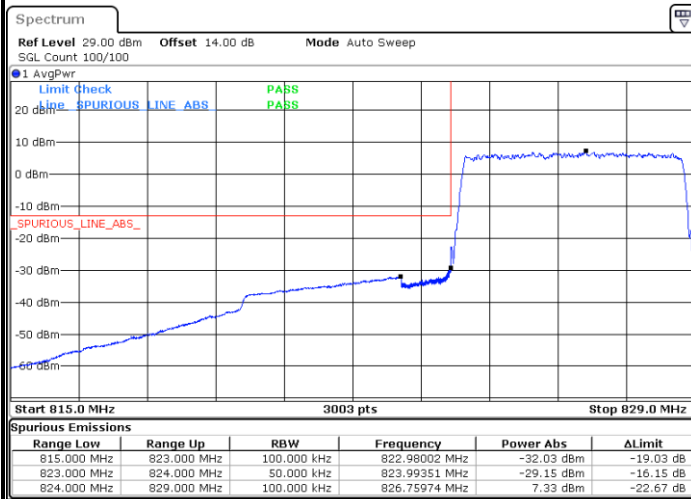
Lowest Band Edge / 1 RB



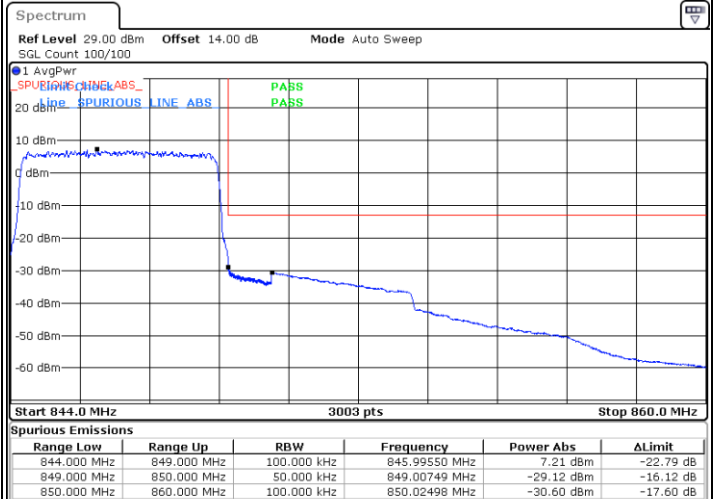
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



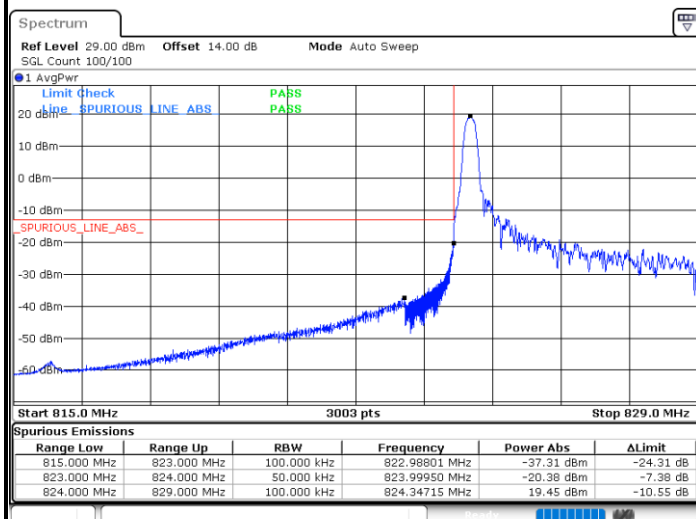
Highest Band Edge / Full RB



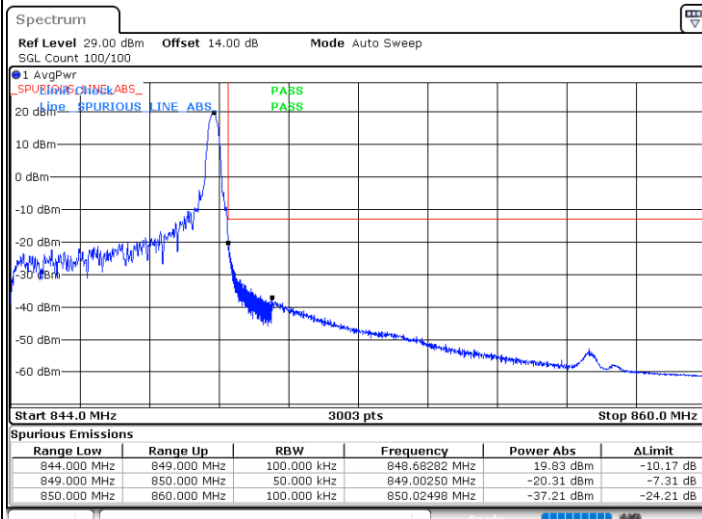


LTE Band 5 / 5MHz / 16QAM

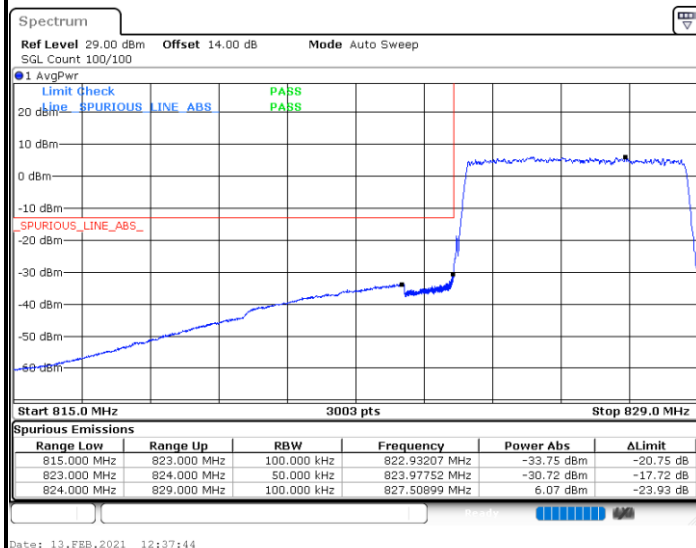
Lowest Band Edge / 1RB



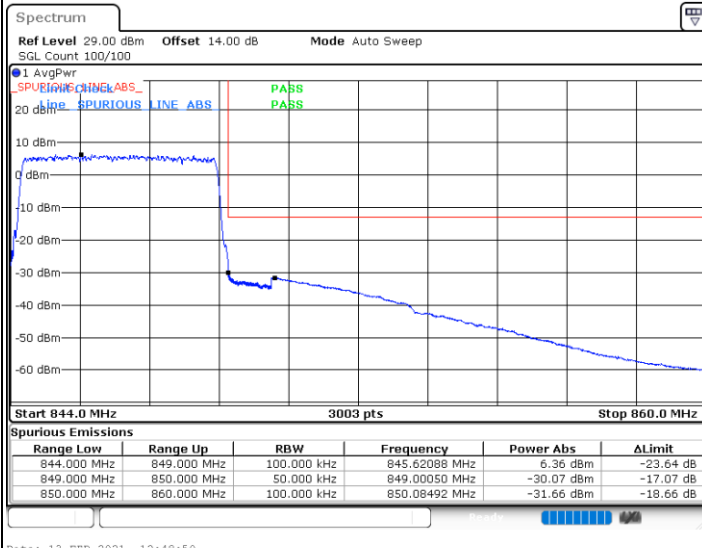
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



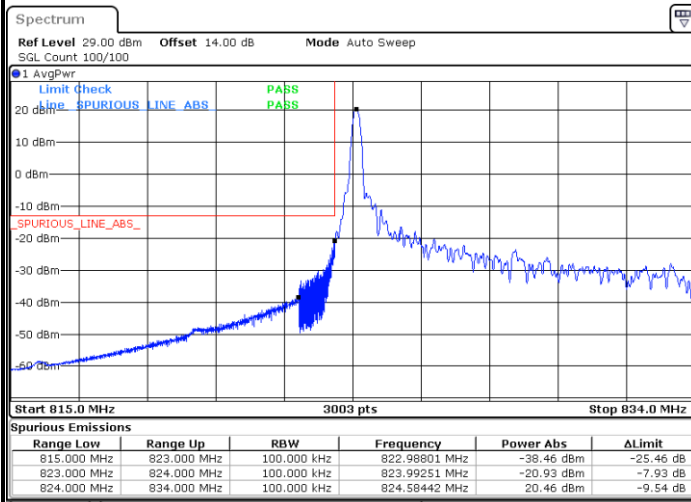
Highest Band Edge / Full RB



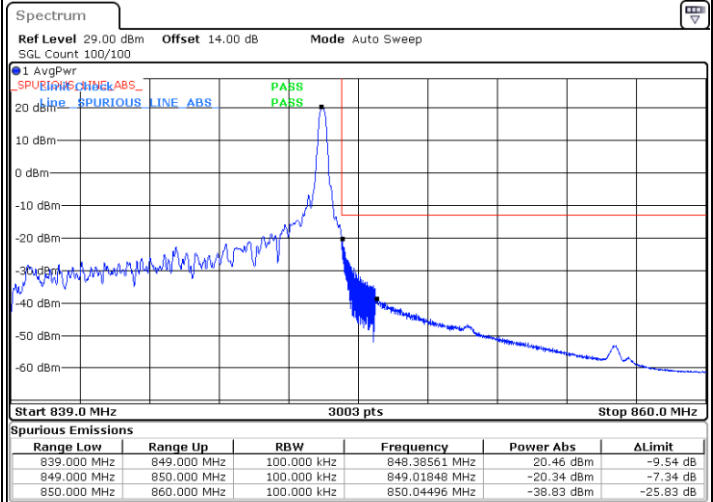


LTE Band 5 / 10MHz / QPSK

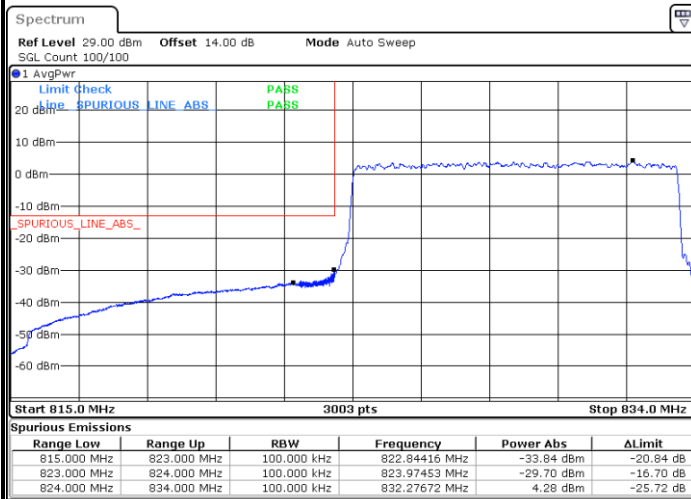
Lowest Band Edge / 1 RB



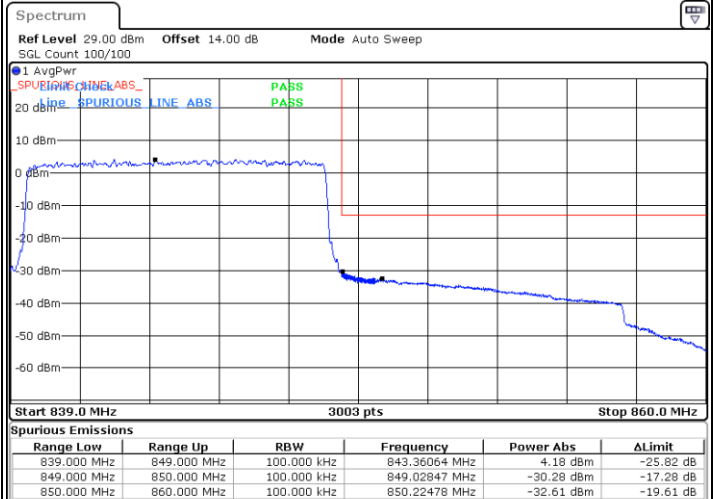
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



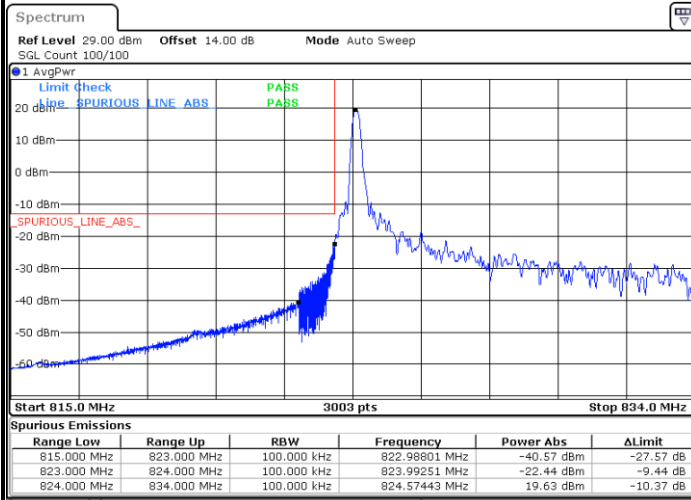
Highest Band Edge / Full RB



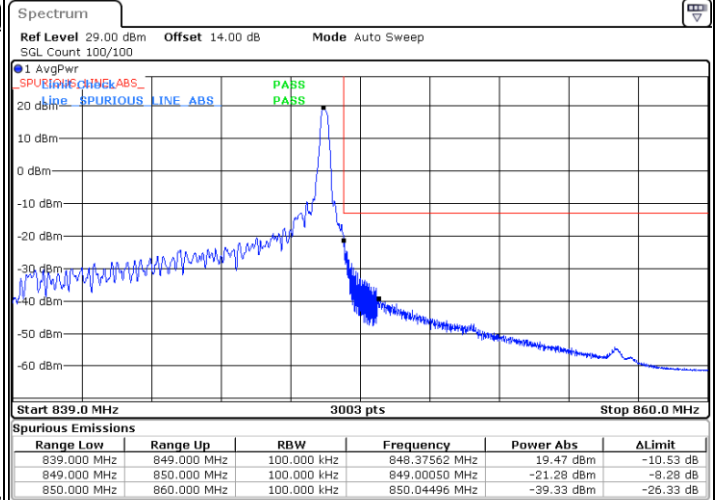


LTE Band 5 / 10MHz / 16QAM

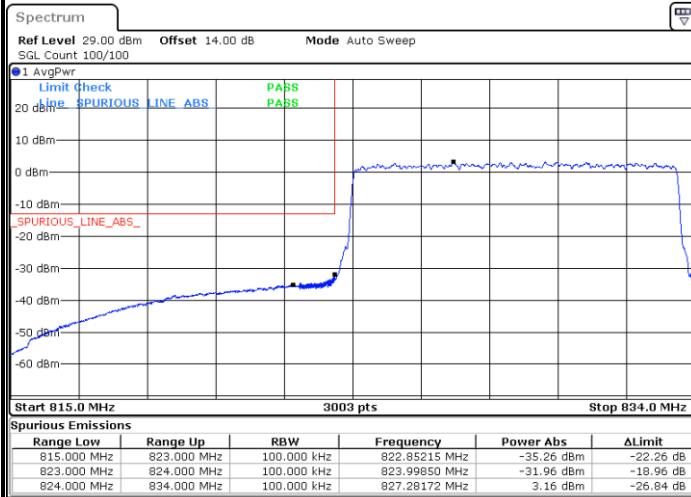
Lowest Band Edge / 1 RB



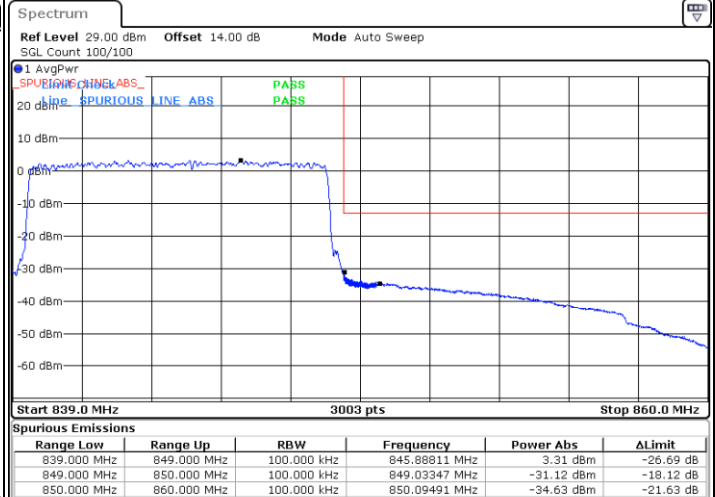
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

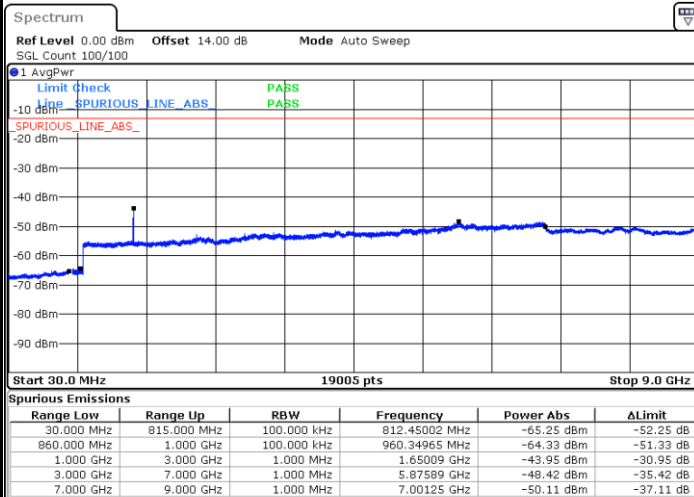




Conducted Spurious Emission

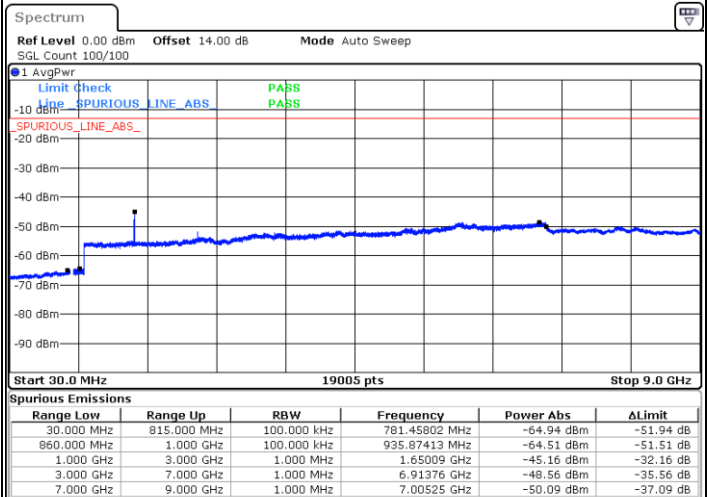
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



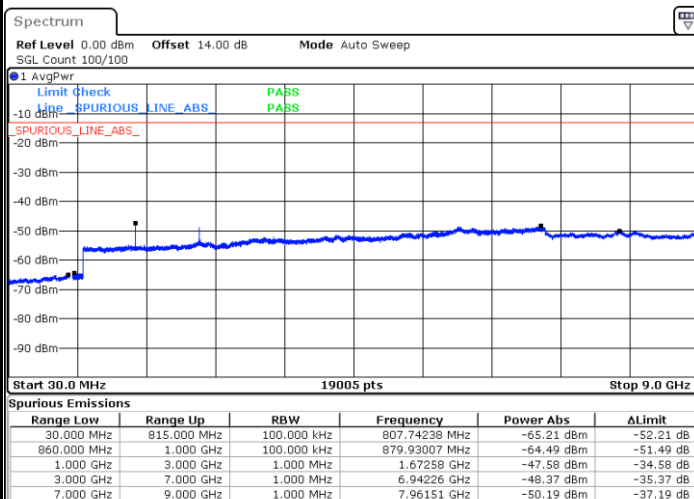
Date: 13.FEB.2021 13:25:56

Lowest Channel / 16QAM



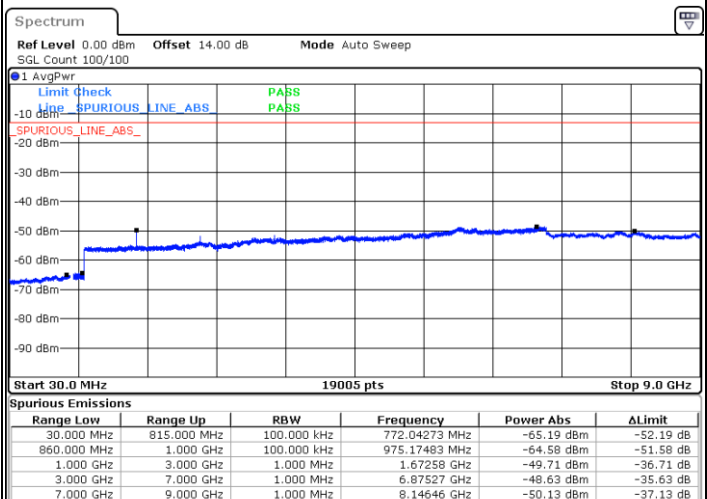
Date: 13.FEB.2021 13:26:41

Middle Channel / QPSK



Date: 13.FEB.2021 13:28:10

Middle Channel / 16QAM

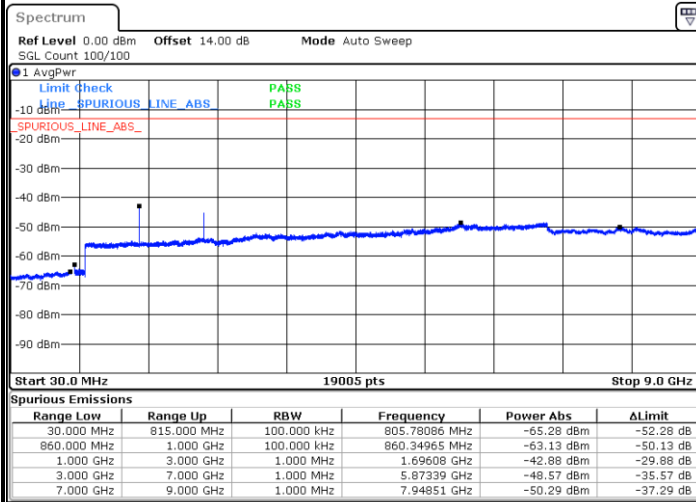


Date: 13.FEB.2021 13:28:55



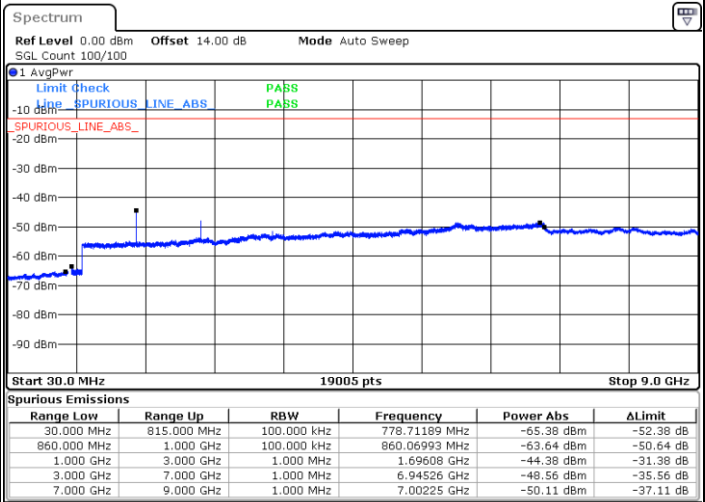
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 13.FEB.2021 13:37:02

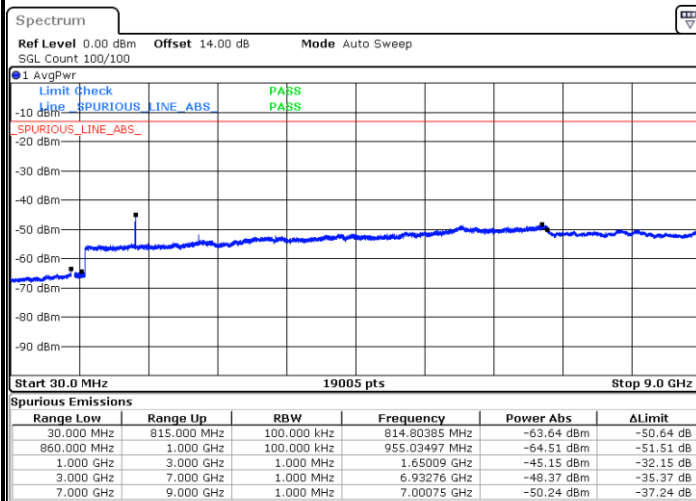
Highest Channel / 16QAM



Date: 13.FEB.2021 13:37:46

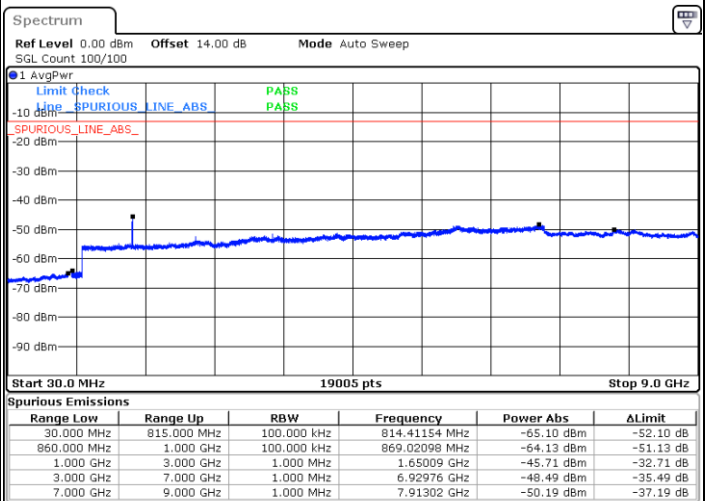
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 13.FEB.2021 12:18:33

Lowest Channel / 16QAM

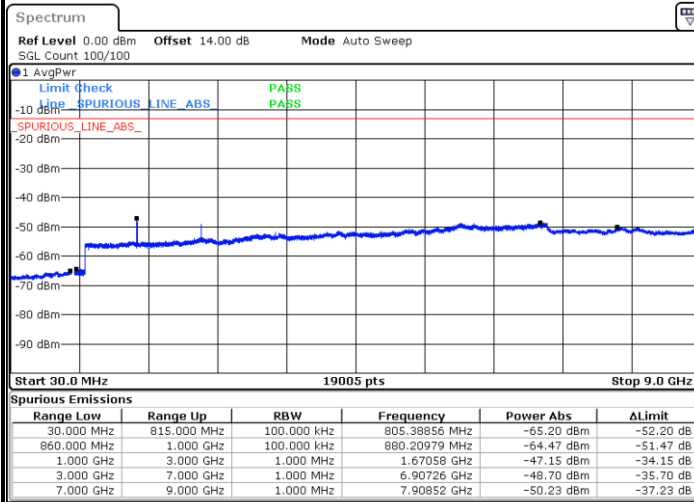


Date: 13.FEB.2021 12:19:18



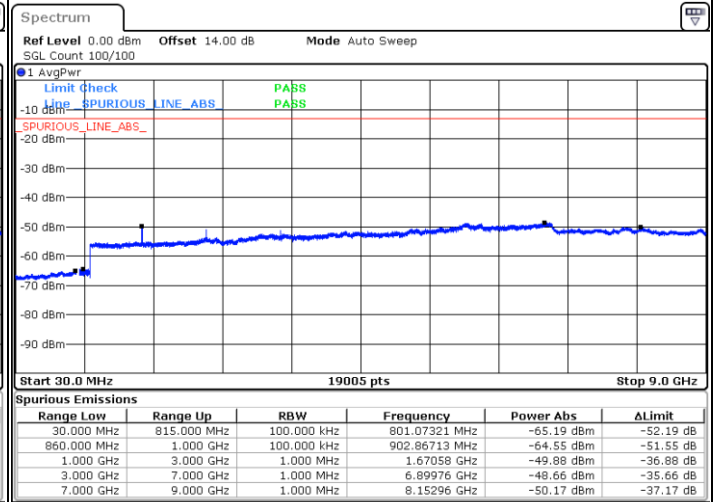
LTE Band 5 / 3MHz

Middle Channel / QPSK



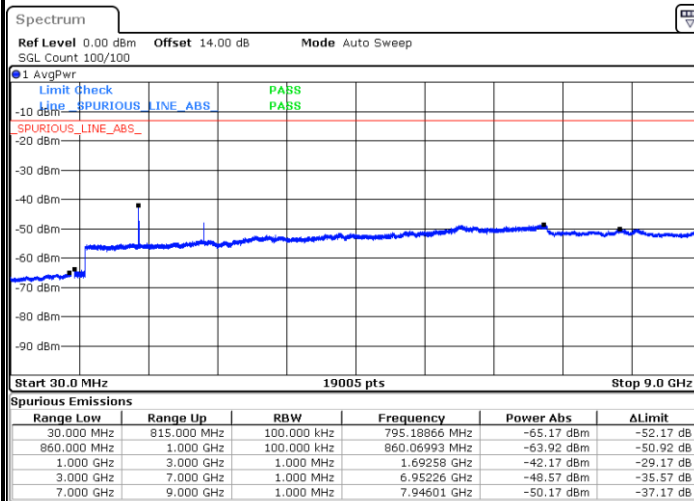
Date: 13.FEB.2021 12:20:47

Middle Channel / 16QAM



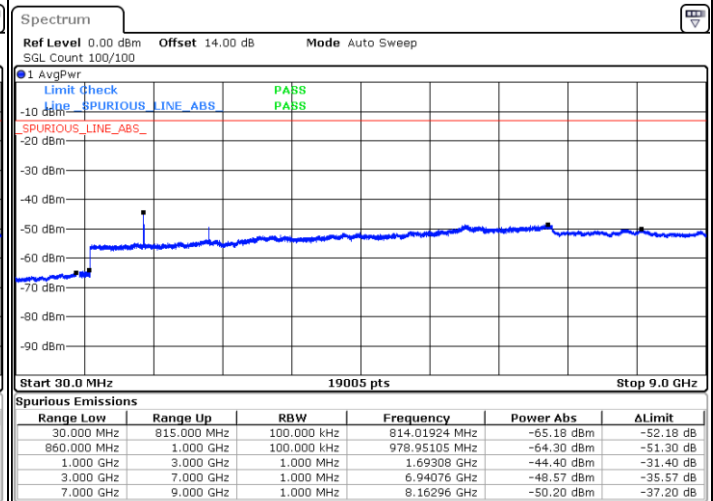
Date: 13.FEB.2021 12:21:32

Highest Channel / QPSK



Date: 13.FEB.2021 12:29:38

Highest Channel / 16QAM

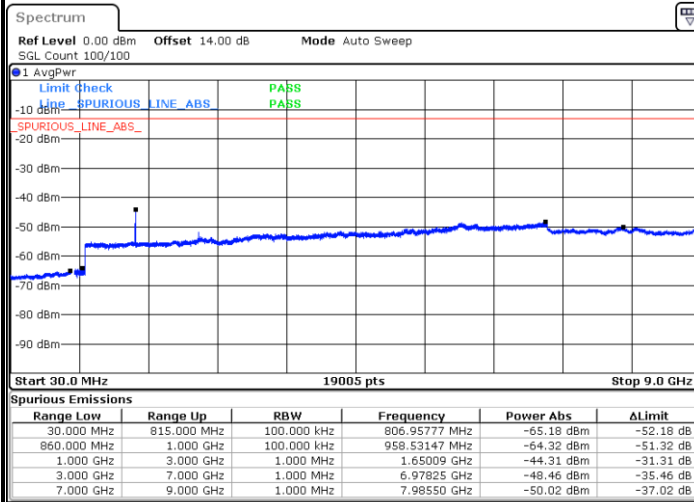


Date: 13.FEB.2021 12:30:23



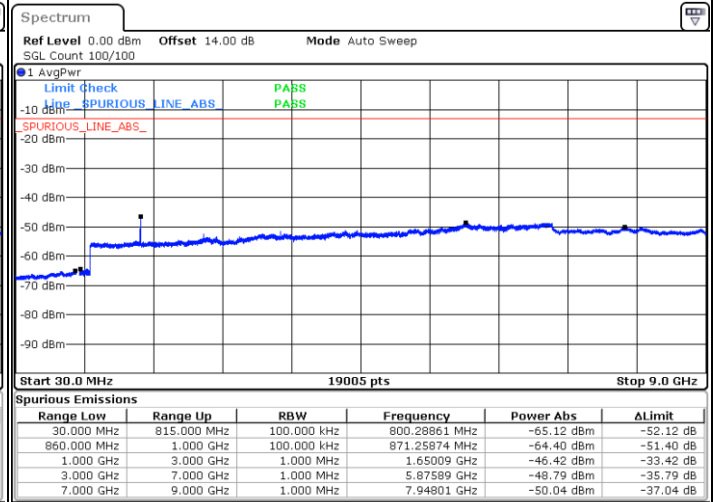
LTE Band 5 / 5MHz

Lowest Channel / QPSK



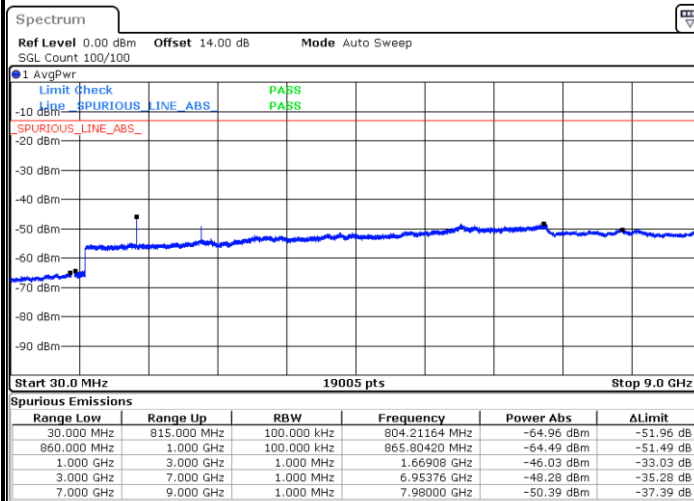
Date: 13.FEB.2021 12:38:29

Lowest Channel / 16QAM



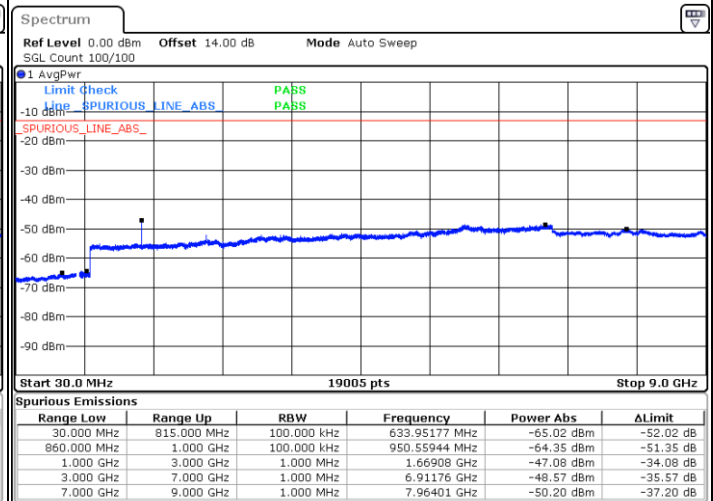
Date: 13.FEB.2021 12:39:14

Middle Channel / QPSK



Date: 13.FEB.2021 12:40:44

Middle Channel / 16QAM

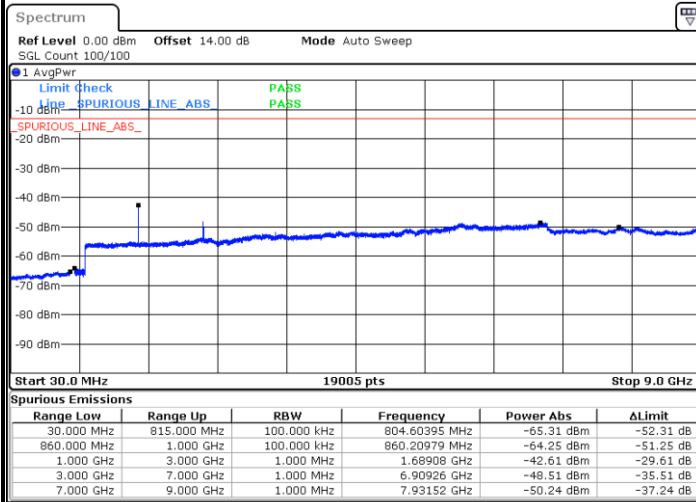


Date: 13.FEB.2021 12:41:29



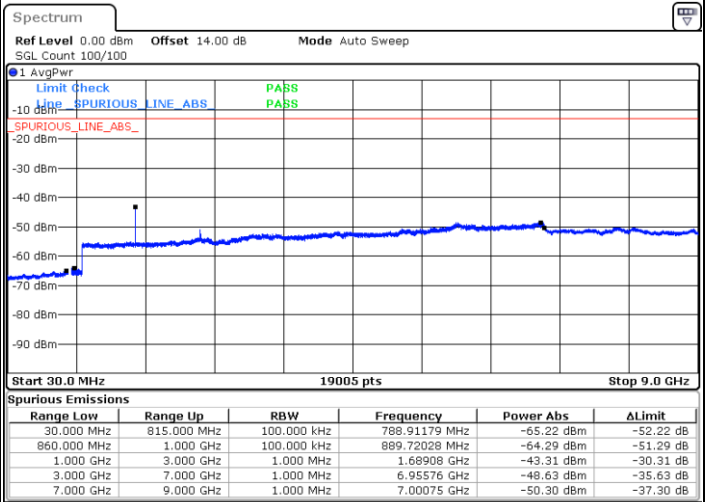
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 13.FEB.2021 12:49:35

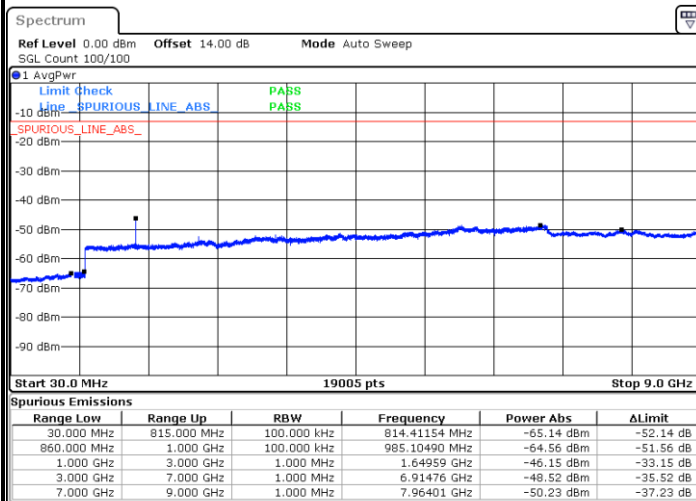
Highest Channel / 16QAM



Date: 13.FEB.2021 12:50:20

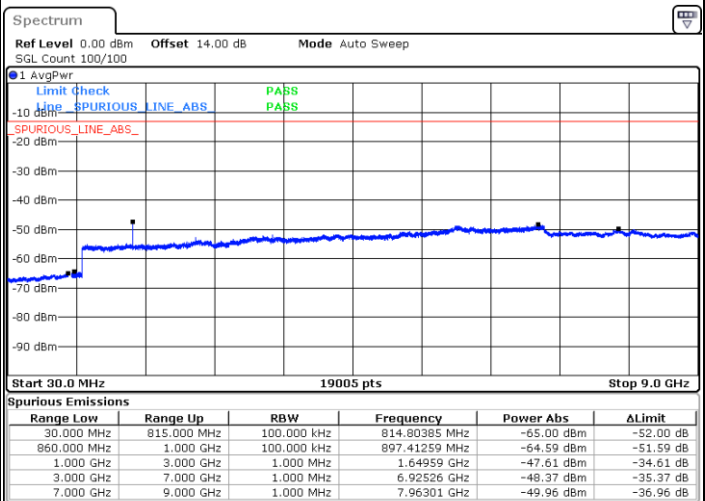
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 13.FEB.2021 12:58:27

Lowest Channel / 16QAM

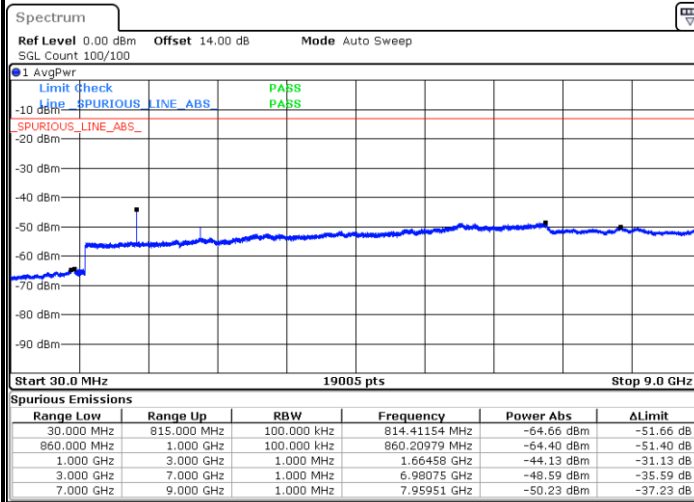


Date: 13.FEB.2021 12:59:11



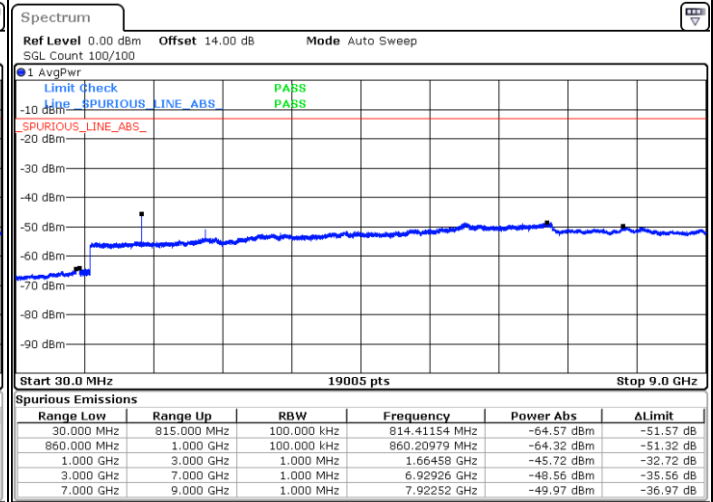
LTE Band 5 / 10MHz

Middle Channel / QPSK



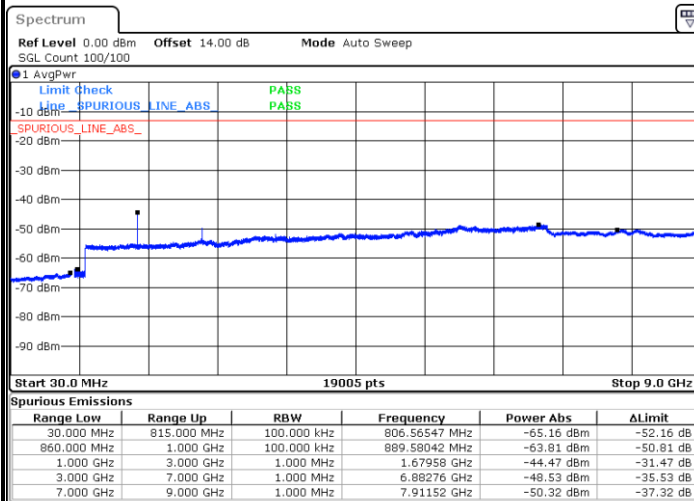
Date: 13.FEB.2021 13:00:41

Middle Channel / 16QAM



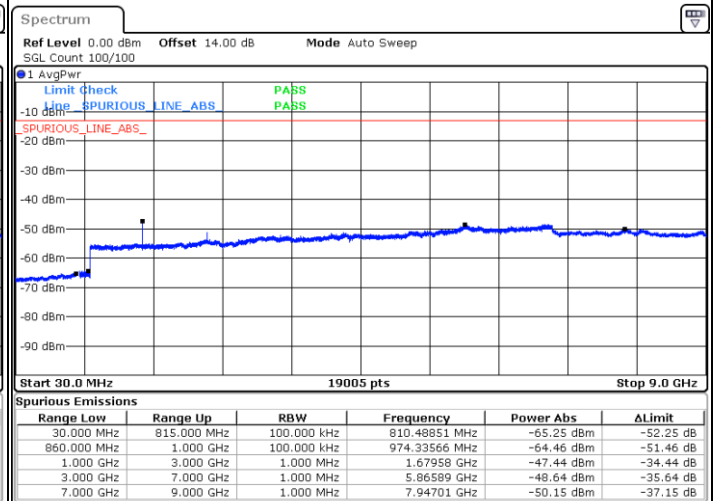
Date: 13.FEB.2021 13:01:25

Highest Channel / QPSK



Date: 13.FEB.2021 13:09:31

Highest Channel / 16QAM



Date: 13.FEB.2021 13:10:16

**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.3.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

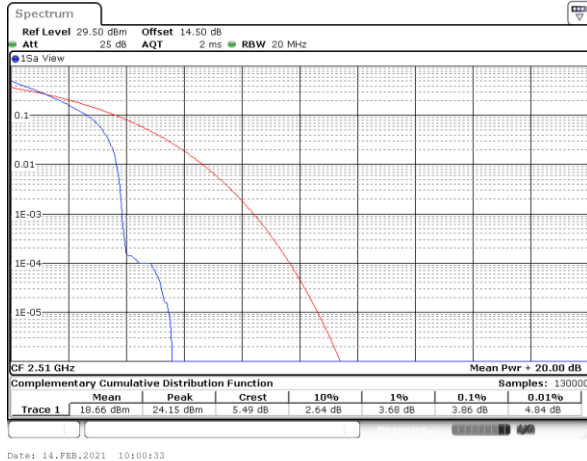
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	4.70	4.78	5.68	PASS
Middle CH	3.65	4.78	4.72	5.62	
Highest CH	3.74	4.72	5.04	5.68	

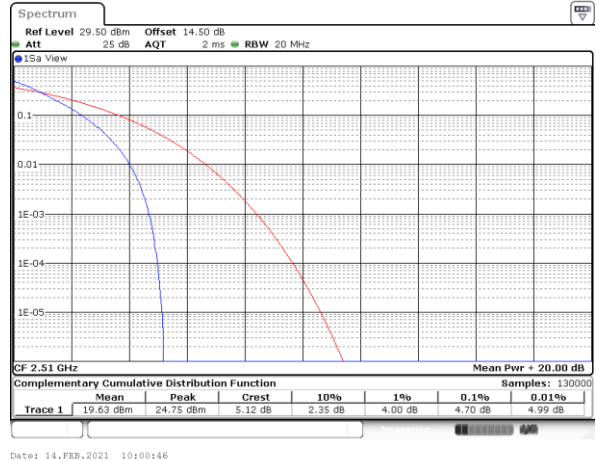


LTE Band 7 / 20MHz / QPSK

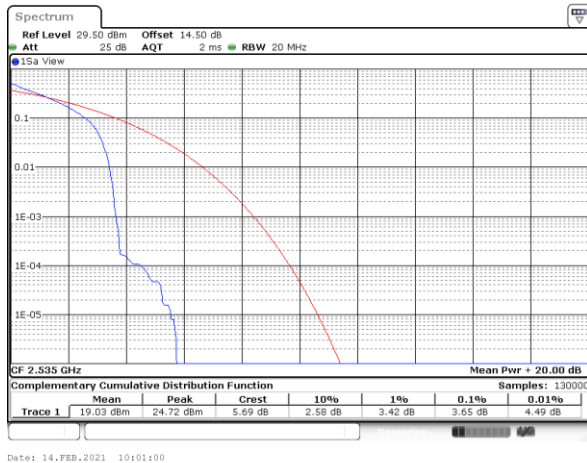
Lowest Channel / 1RB



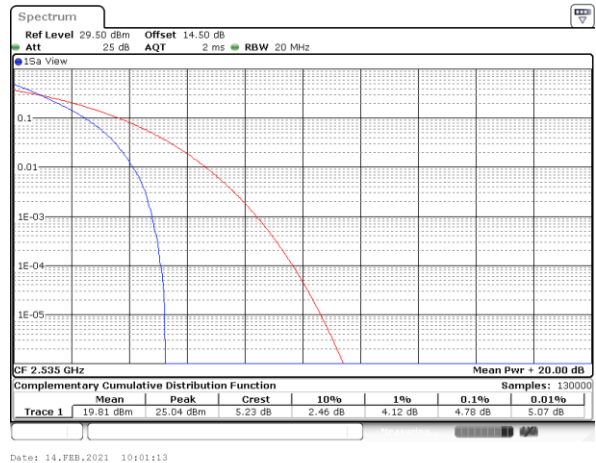
Lowest Channel / Full RB



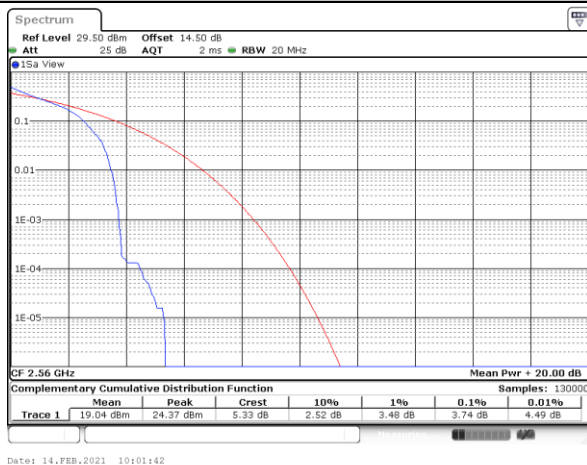
Middle Channel / 1RB



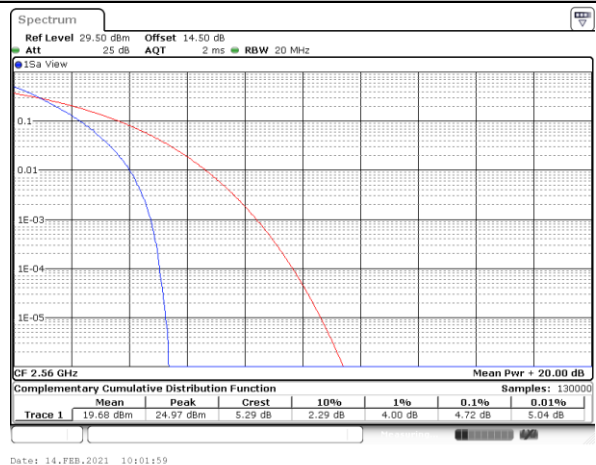
Middle Channel / Full RB



Highest Channel / 1RB



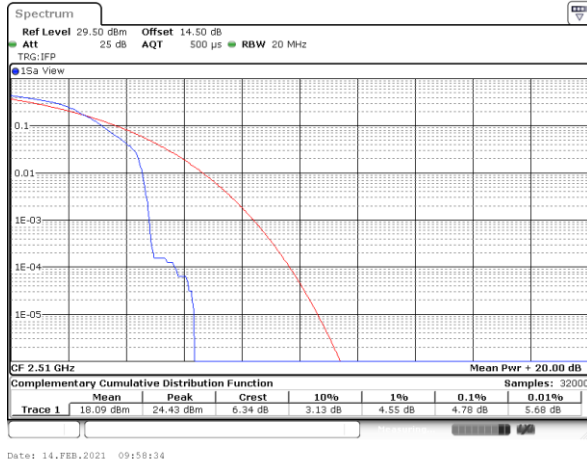
Highest Channel / Full RB



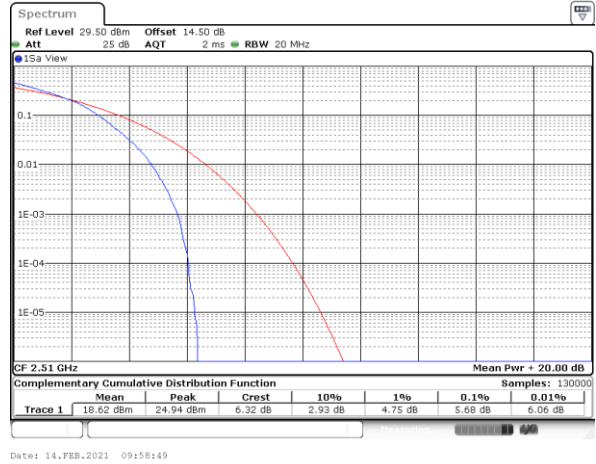


LTE Band 7 / 20MHz / 16QAM

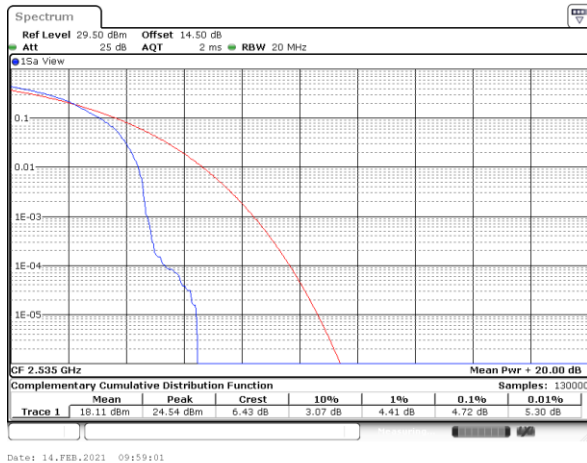
Lowest Channel / 1RB



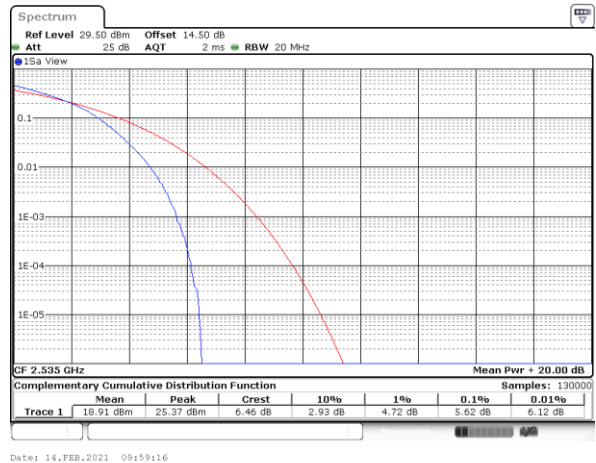
Lowest Channel / Full RB



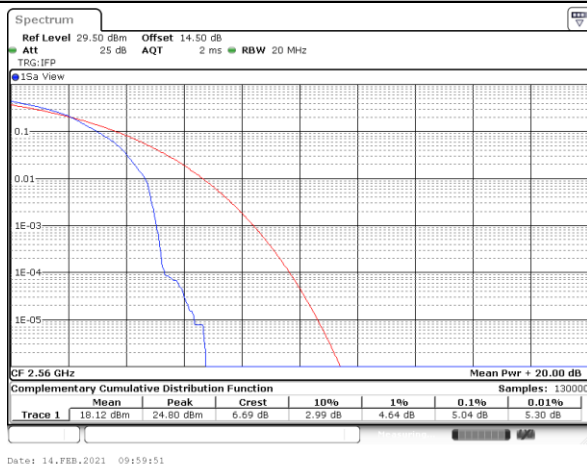
Middle Channel / 1RB



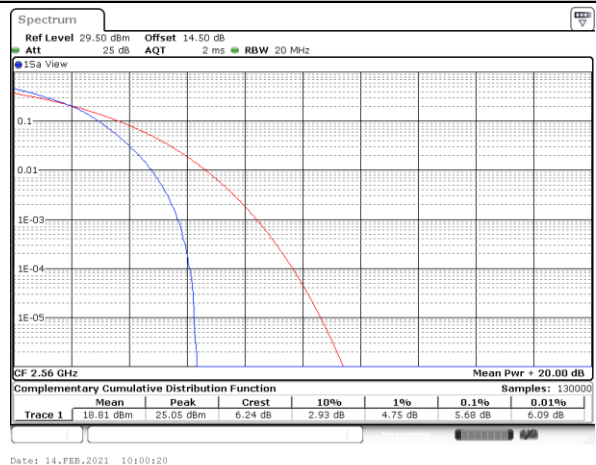
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





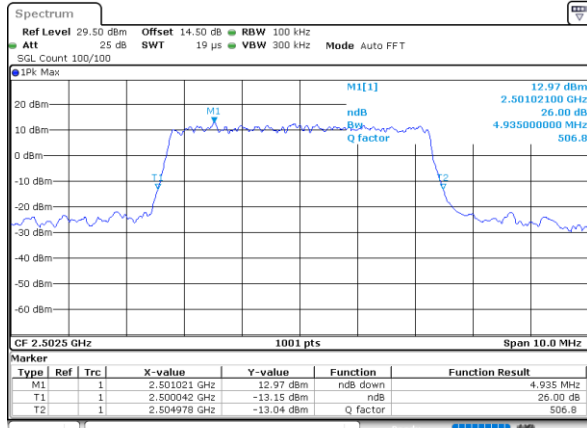
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.94	4.88	10.11	10.03	14.24	14.60	18.94	19.18
Middle CH					5.15	4.82	10.13	9.87	14.39	14.60	19.38	19.26
Highest CH					4.98	4.97	9.93	9.93	14.63	14.57	19.50	18.90



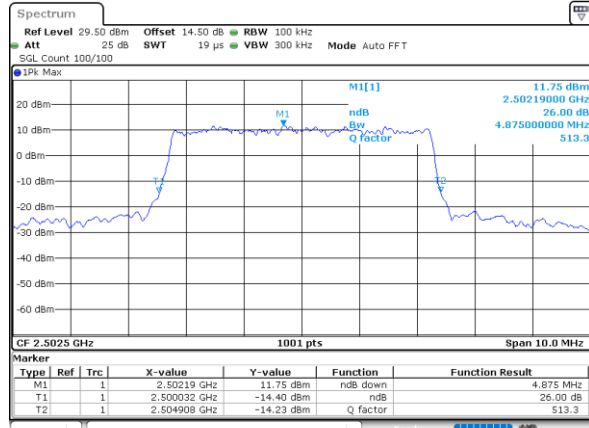
LTE Band 7

Lowest Channel / 5MHz / QPSK



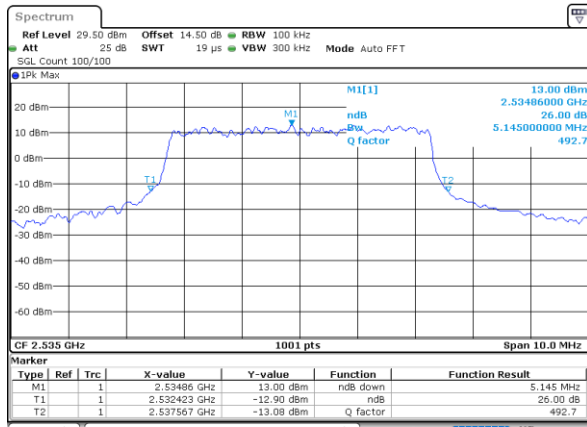
Date: 14.FEB.2021 08:52:32

Lowest Channel / 5MHz / 16QAM



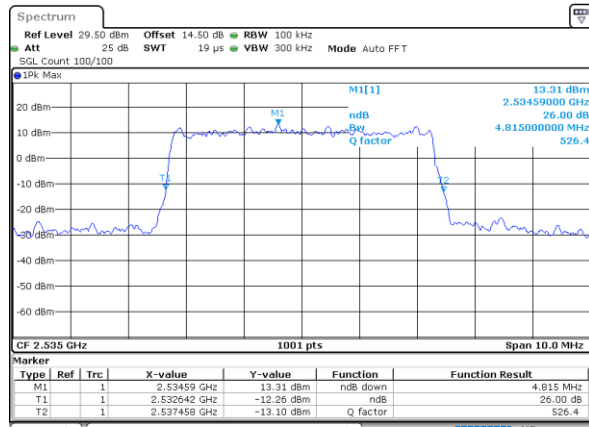
Date: 14.FEB.2021 08:52:43

Middle Channel / 5MHz / QPSK



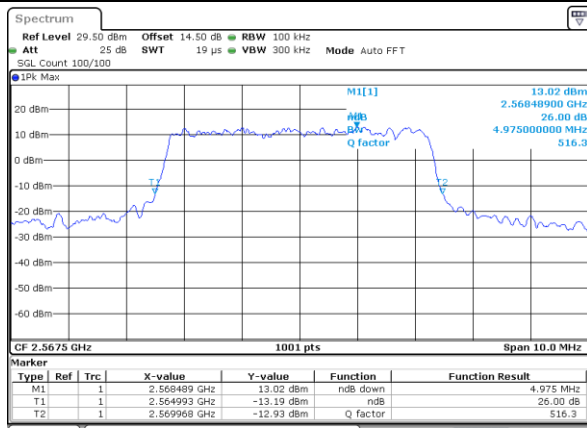
Date: 14.FEB.2021 08:58:34

Middle Channel / 5MHz / 16QAM



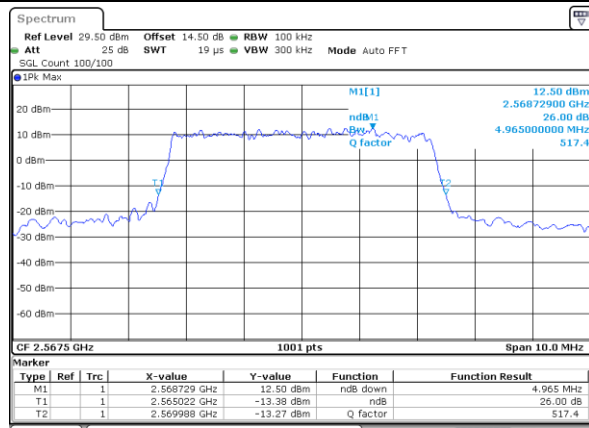
Date: 14.FEB.2021 08:58:45

Highest Channel / 5MHz / QPSK



Date: 14.FEB.2021 09:00:57

Highest Channel / 5MHz / 16QAM

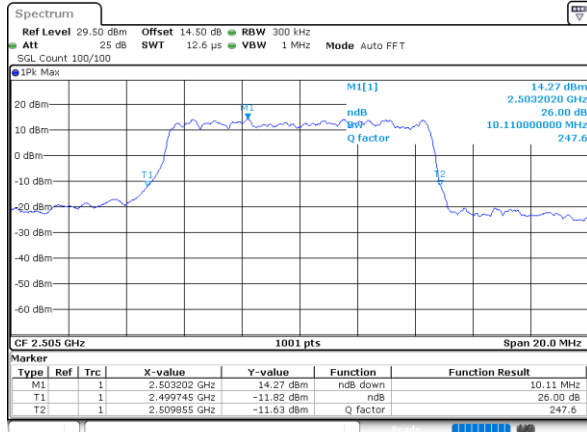


Date: 14.FEB.2021 09:01:08



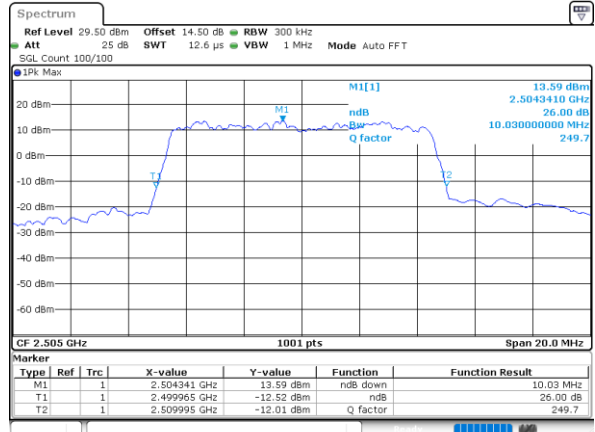
LTE Band 7

Lowest Channel / 10MHz / QPSK



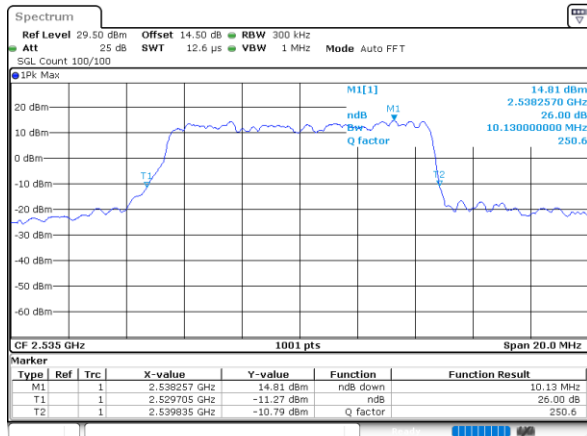
Date: 14.FEB.2021 09:06:50

Lowest Channel / 10MHz / 16QAM



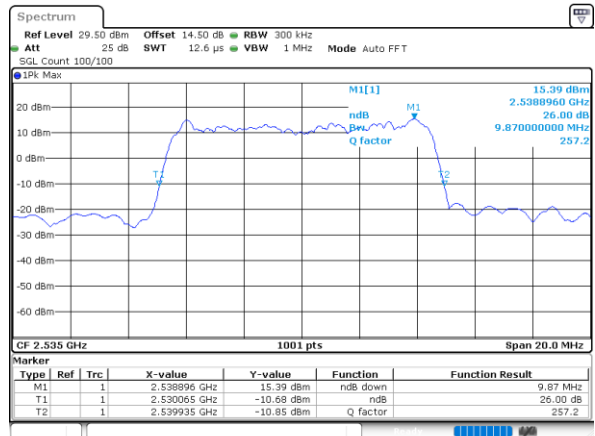
Date: 14.FEB.2021 09:07:09

Middle Channel / 10MHz / QPSK



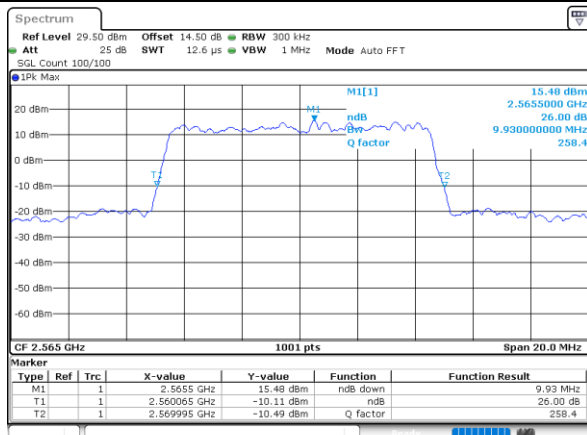
Date: 14.FEB.2021 09:12:50

Middle Channel / 10MHz / 16QAM



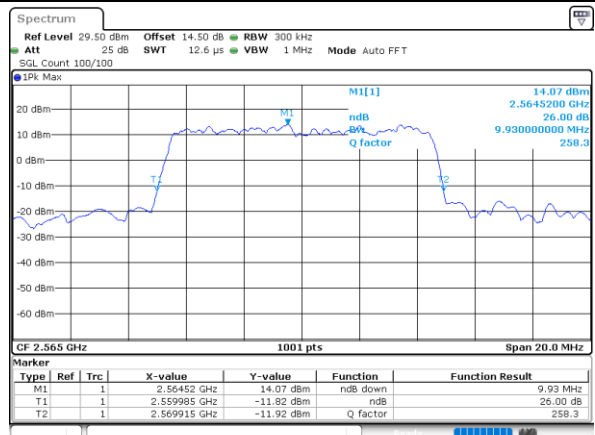
Date: 14.FEB.2021 09:13:09

Highest Channel / 10MHz / QPSK



Date: 14.FEB.2021 09:15:21

Highest Channel / 10MHz / 16QAM

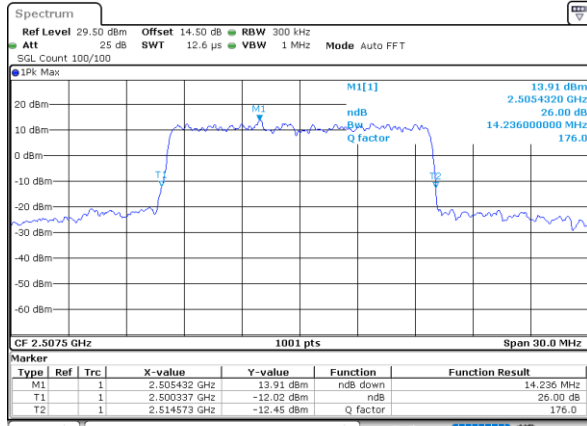


Date: 14.FEB.2021 09:15:32



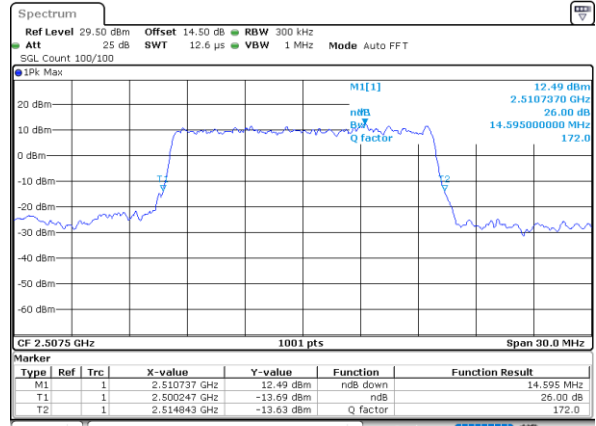
LTE Band 7

Lowest Channel / 15MHz / QPSK



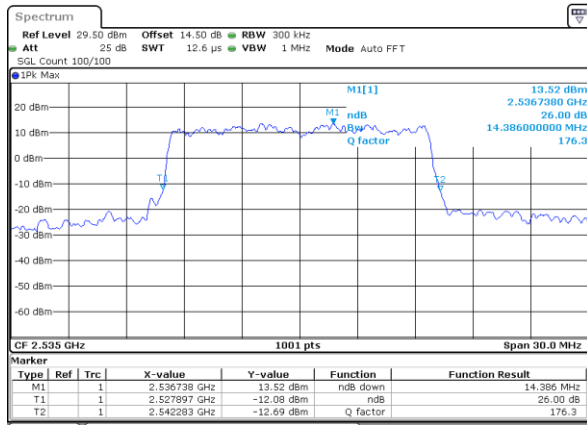
Date: 14.FEB.2021 09:21:22

Lowest Channel / 15MHz / 16QAM



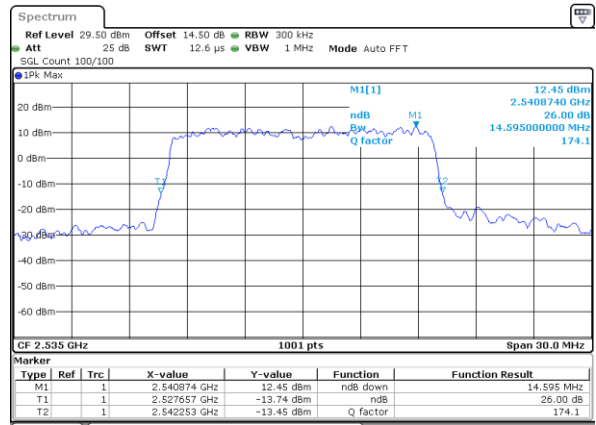
Date: 14.FEB.2021 09:21:33

Middle Channel / 15MHz / QPSK



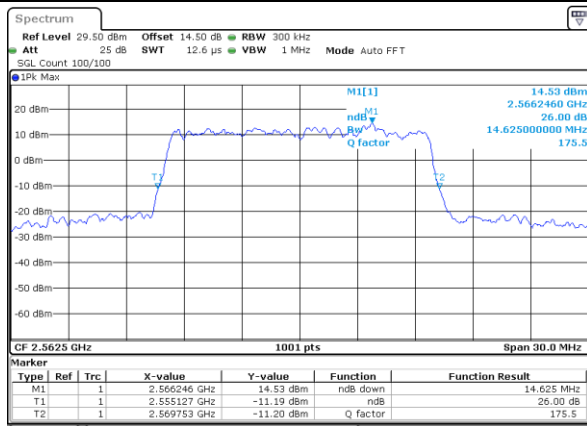
Date: 14.FEB.2021 09:27:24

Middle Channel / 15MHz / 16QAM



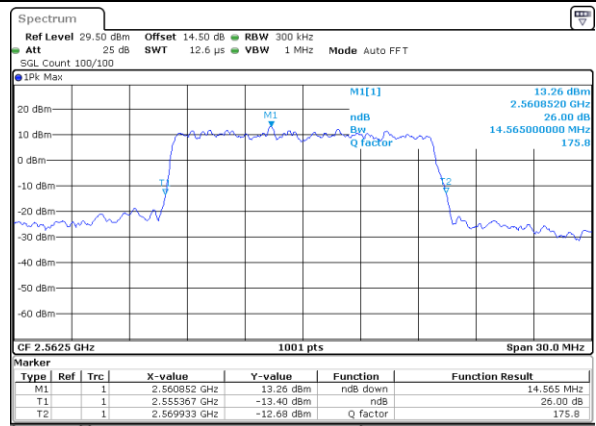
Date: 14.FEB.2021 09:27:35

Highest Channel / 15MHz / QPSK



Date: 14.FEB.2021 09:29:46

Highest Channel / 15MHz / 16QAM

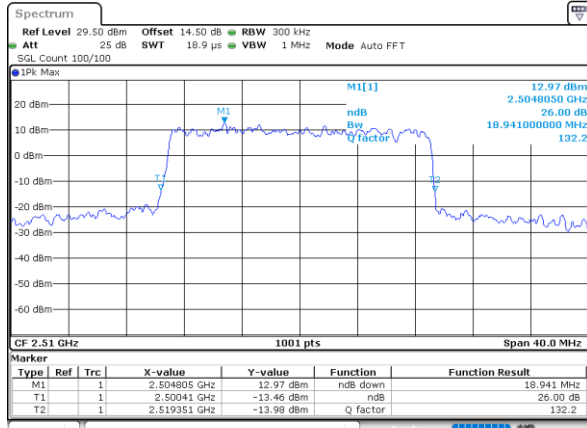


Date: 14.FEB.2021 09:29:57

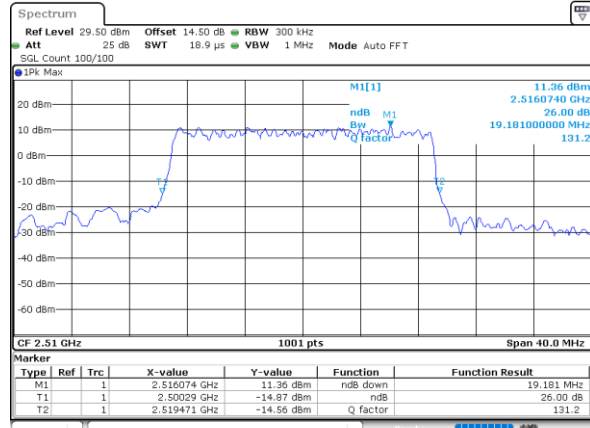


LTE Band 7

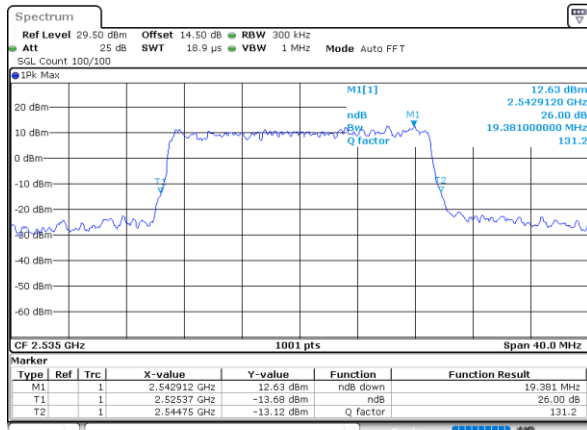
Lowest Channel / 20MHz / QPSK



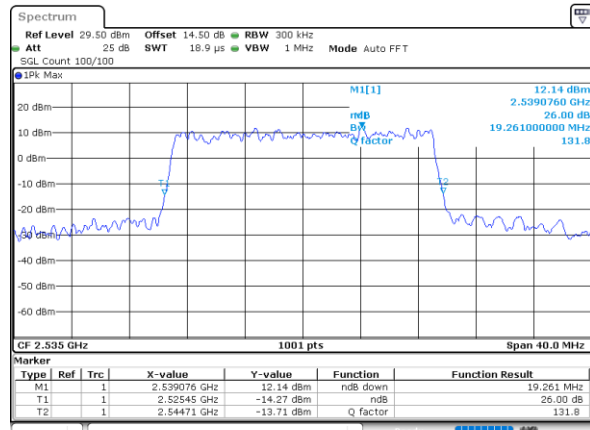
Lowest Channel / 20MHz / 16QAM



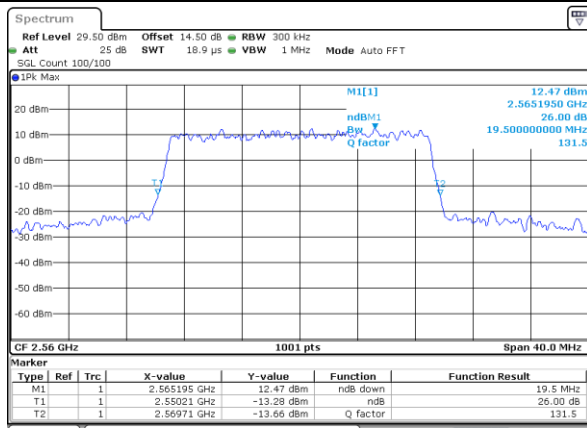
Middle Channel / 20MHz / QPSK



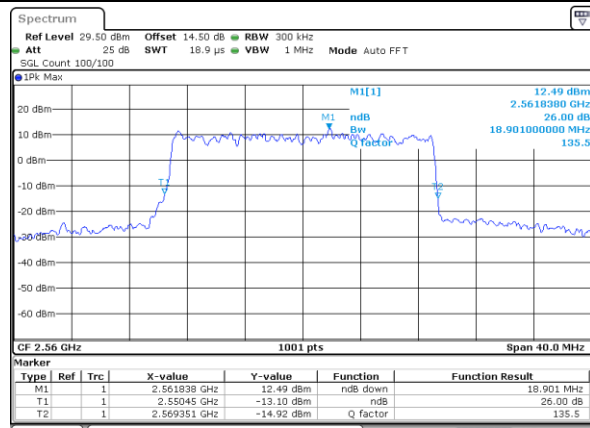
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.47	4.49	9.07	9.03	13.46	13.52	17.86	17.86
Middle CH					4.49	4.47	9.01	9.07	13.40	13.46	17.94	17.94
Highest CH					4.51	4.48	9.05	8.99	13.49	13.49	17.90	17.86