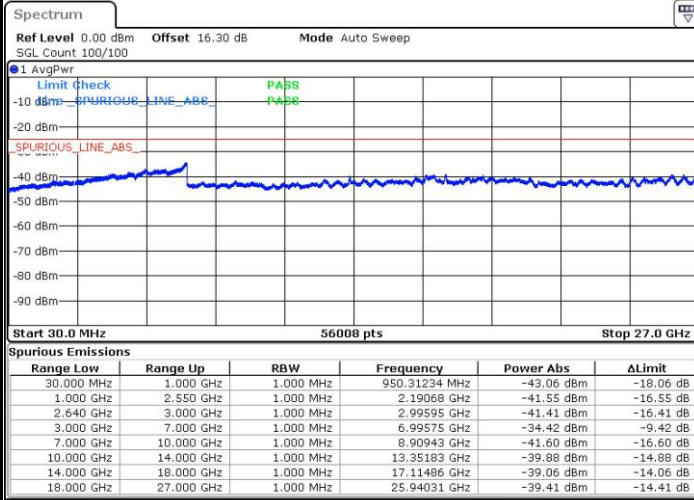




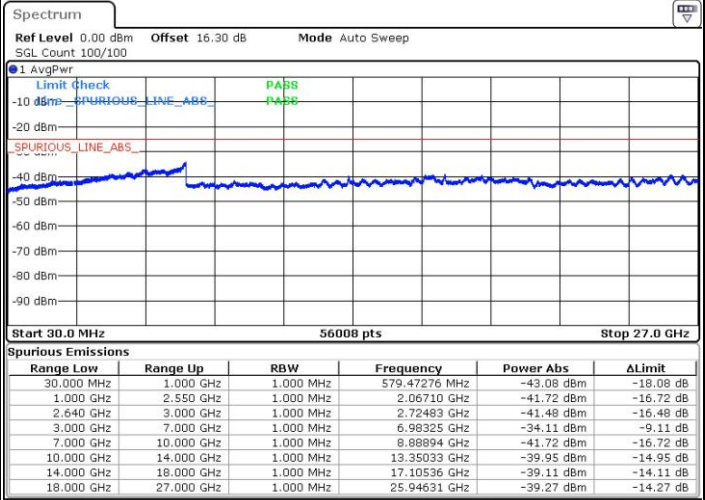
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 25.JUN.2019 05:42:47

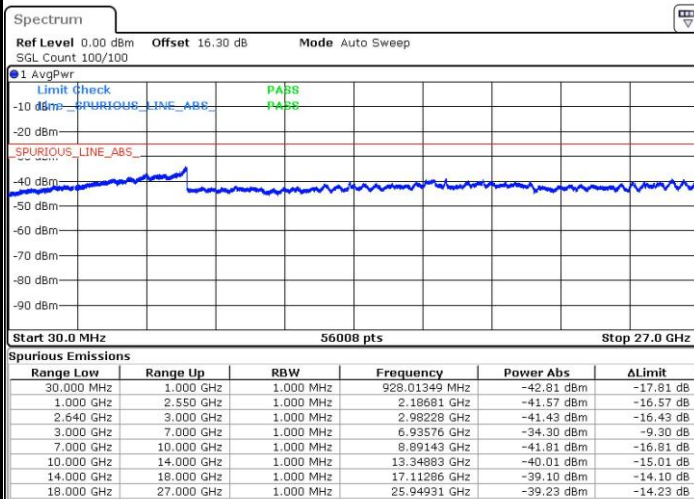
Highest Channel / 16QAM



Date: 25.JUN.2019 05:44:16

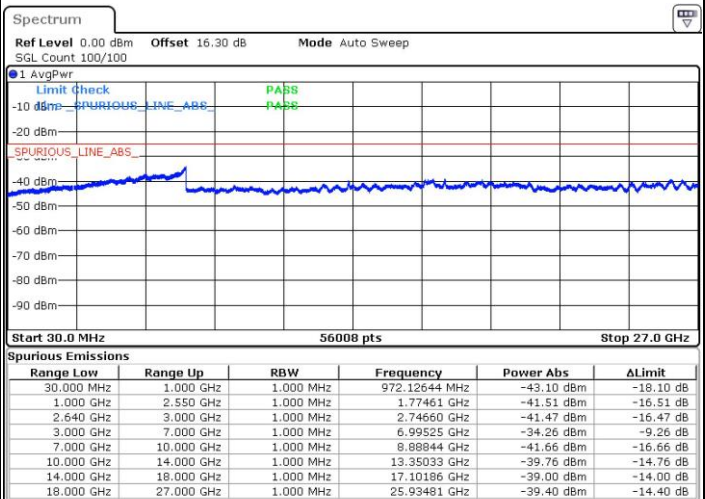
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 25.JUN.2019 05:45:44

Lowest Channel / 16QAM

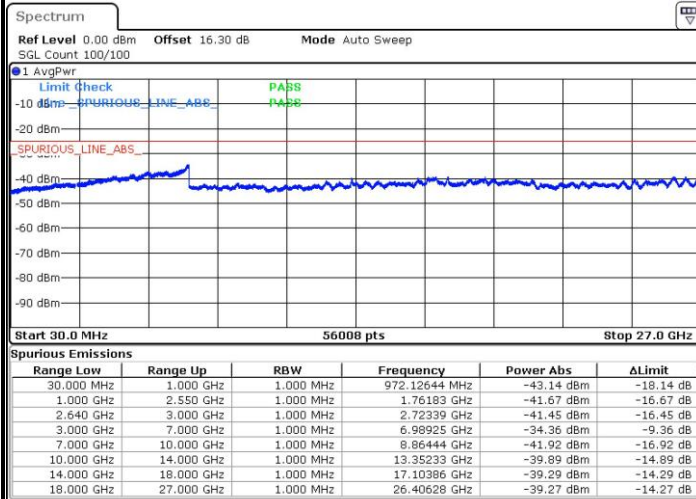


Date: 25.JUN.2019 05:47:13



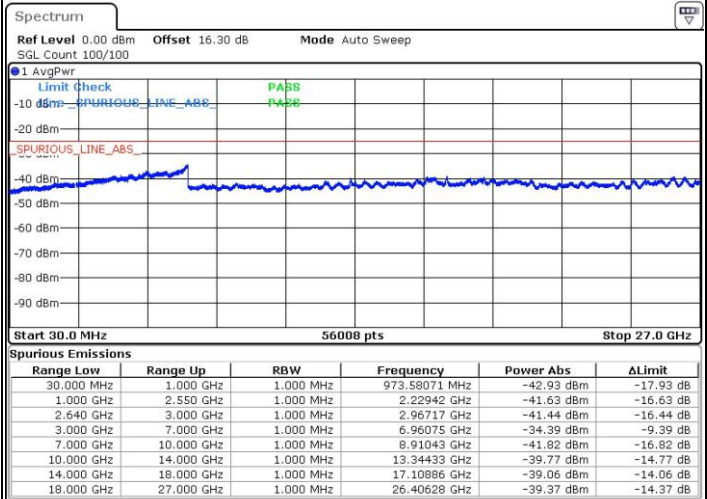
LTE Band 38 / 10MHz

Middle Channel / QPSK



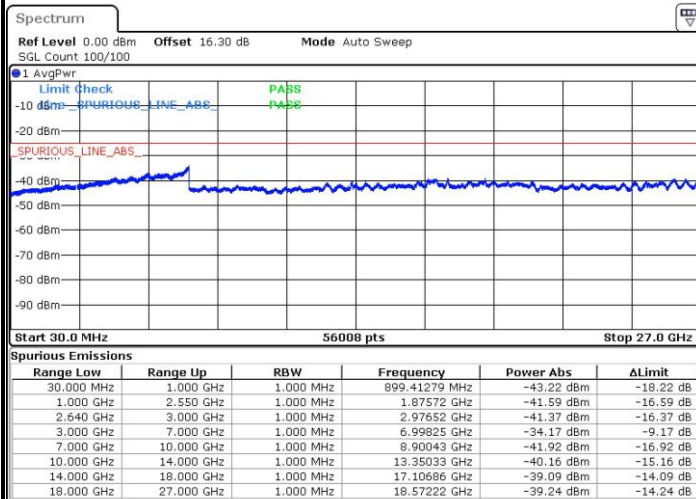
Date: 25.JUN.2019 05:48:41

Middle Channel / 16QAM



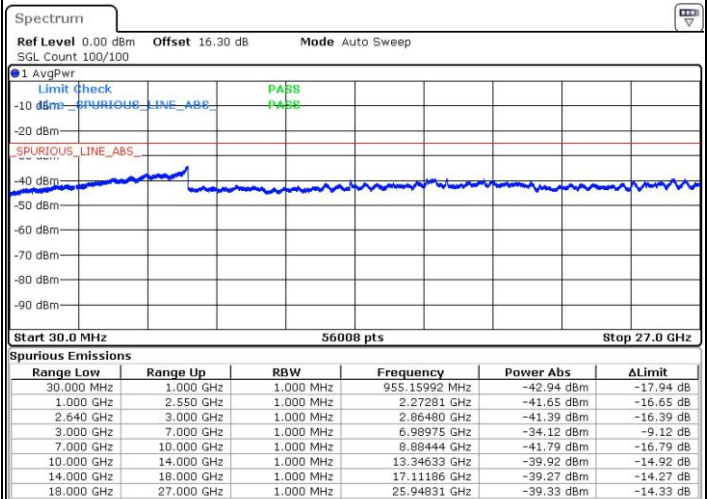
Date: 25.JUN.2019 05:50:10

Highest Channel / QPSK



Date: 25.JUN.2019 05:51:39

Highest Channel / 16QAM

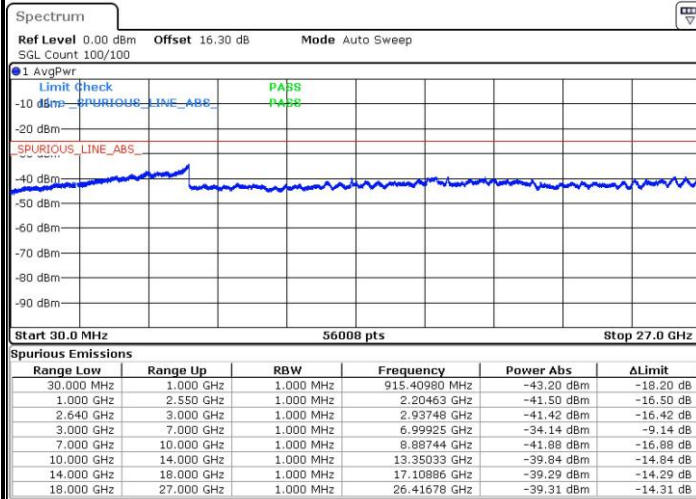


Date: 25.JUN.2019 05:53:08



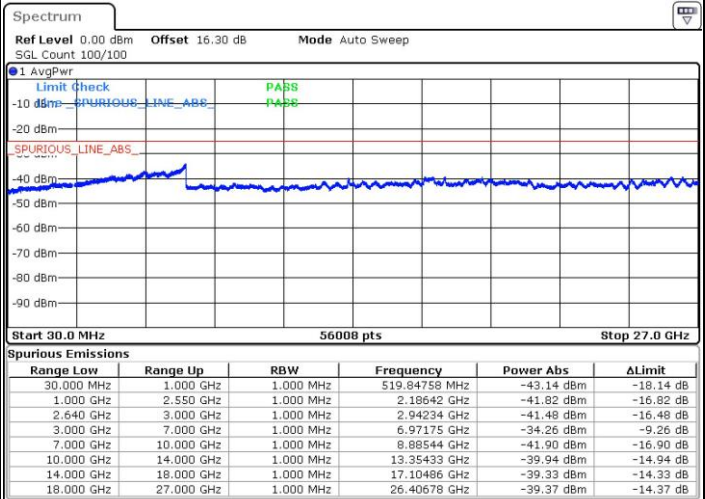
LTE Band 38 / 15MHz

Lowest Channel / QPSK



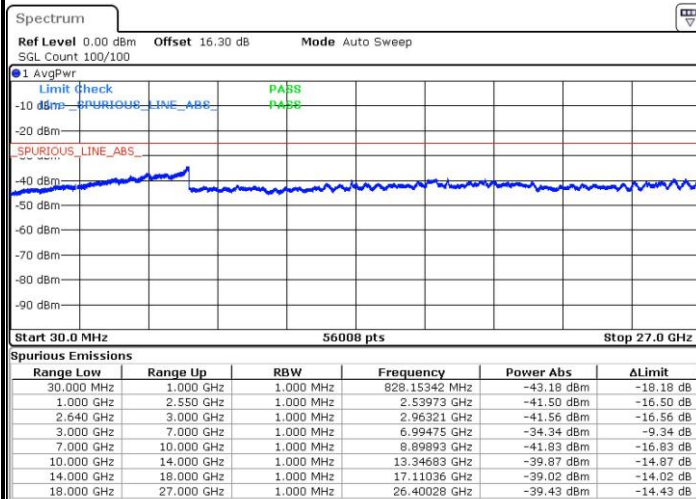
Date: 25.JUN.2019 05:54:36

Lowest Channel / 16QAM



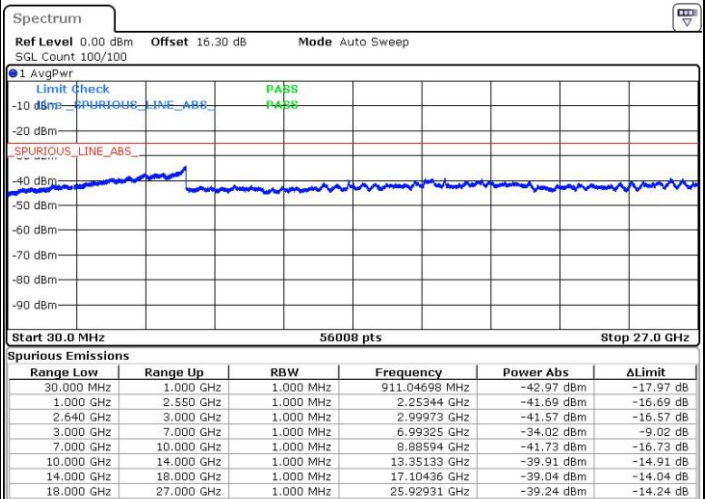
Date: 25.JUN.2019 05:56:05

Middle Channel / QPSK



Date: 25.JUN.2019 05:57:33

Middle Channel / 16QAM

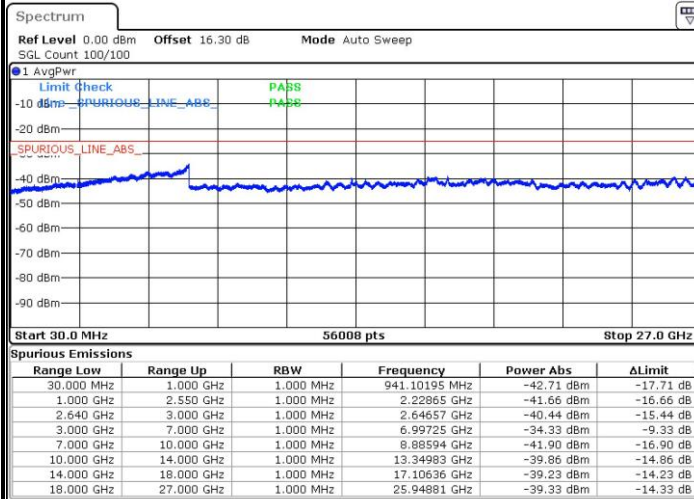


Date: 25.JUN.2019 05:59:02



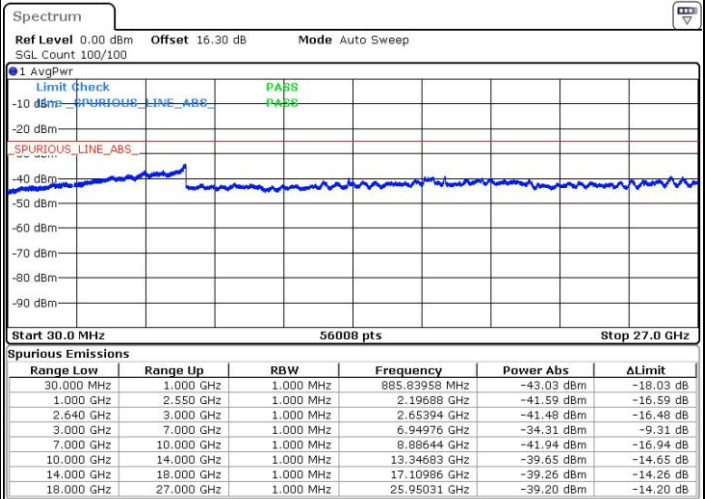
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 25.JUN.2019 06:00:30

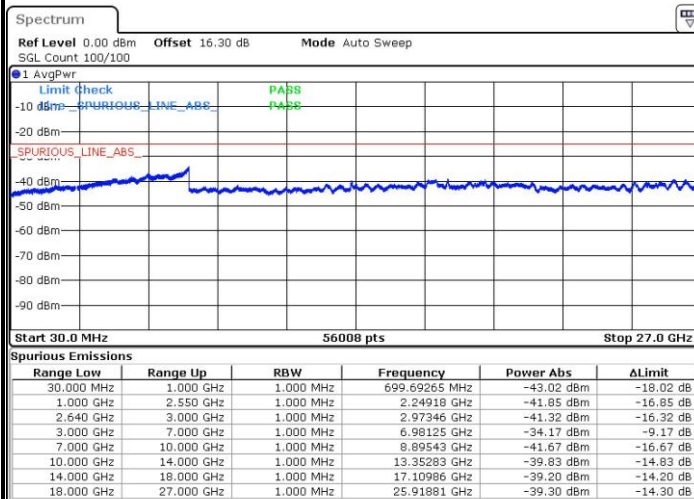
Highest Channel / 16QAM



Date: 25.JUN.2019 06:01:59

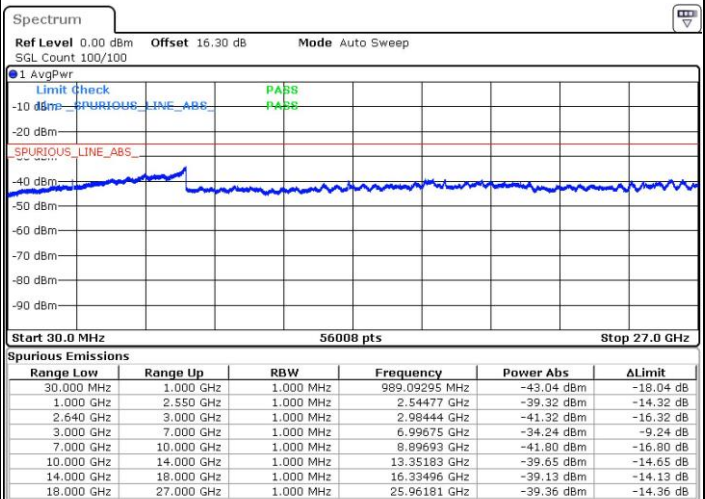
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 25.JUN.2019 06:03:28

Lowest Channel / 16QAM

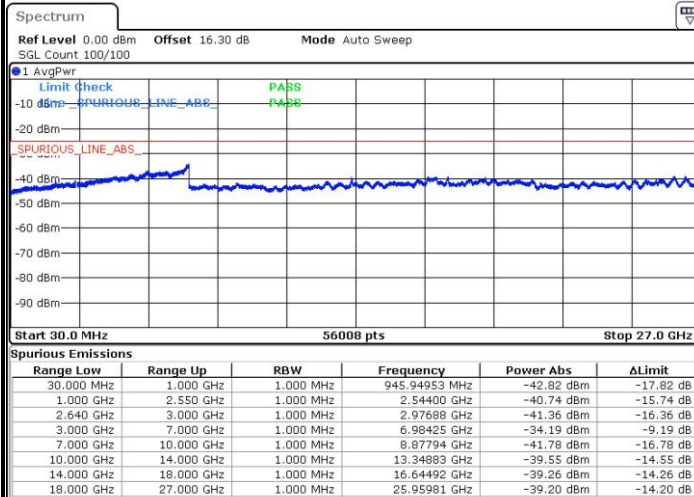


Date: 25.JUN.2019 06:04:56



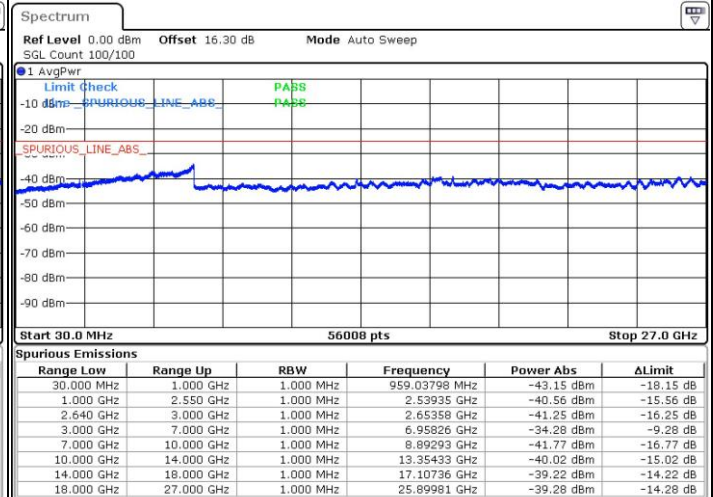
LTE Band 38 / 20MHz

Middle Channel / QPSK



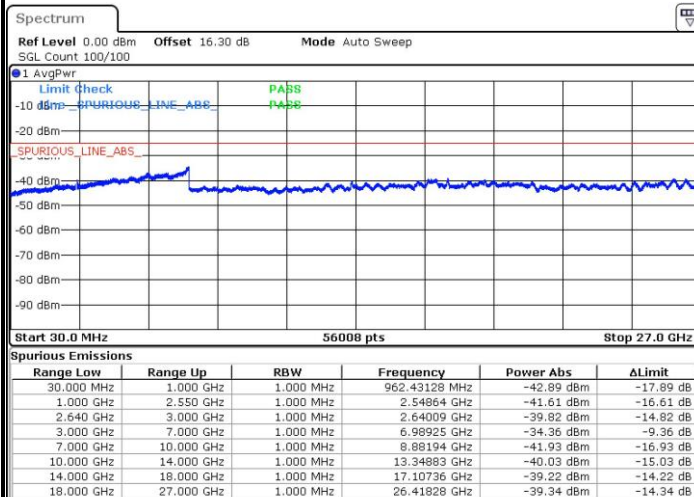
Date: 25.JUN.2019 06:06:25

Middle Channel / 16QAM



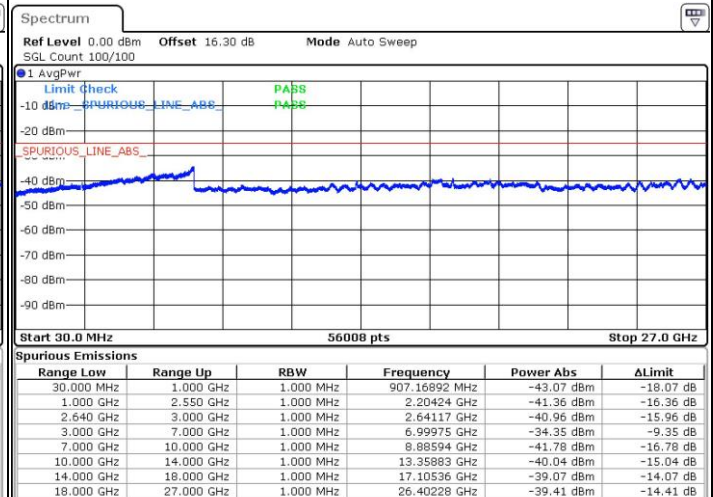
Date: 25.JUN.2019 06:07:54

Highest Channel / QPSK



Date: 25.JUN.2019 06:09:22

Highest Channel / 16QAM



Date: 25.JUN.2019 06:10:51

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.8 V. ; Maximum Voltage =8.8 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

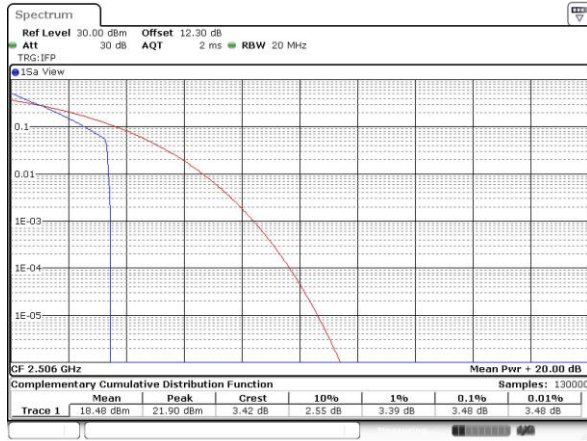
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.99	4.38	5.94	PASS
Middle CH	3.59	5.01	4.67	5.97	
Highest CH	4.64	5.01	5.36	6.03	

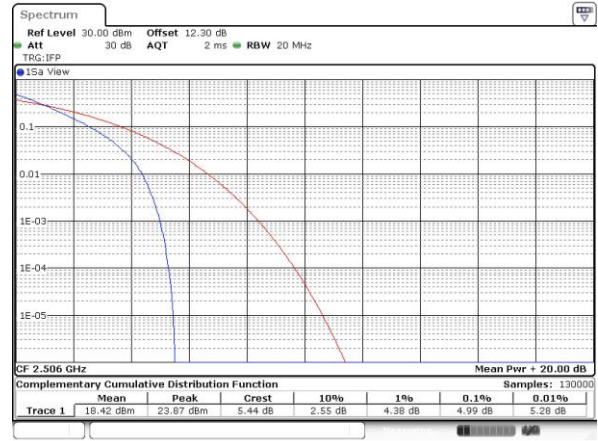


LTE Band 41 / 20MHz / QPSK

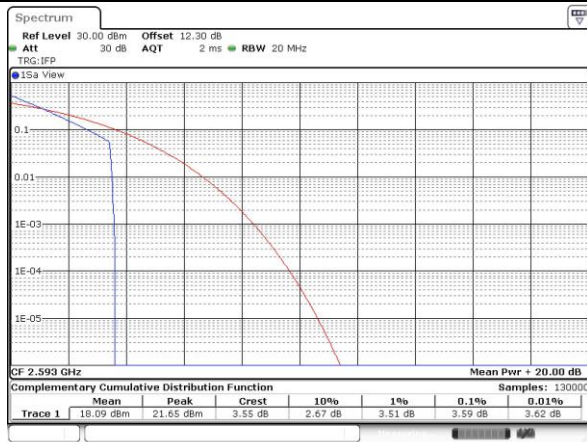
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



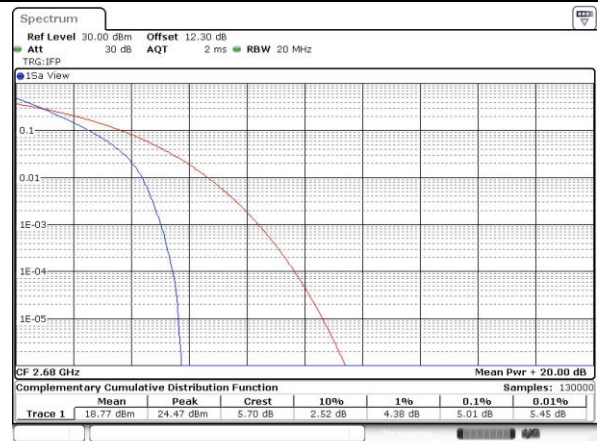
Middle Channel / Full RB



Highest Channel / 1RB



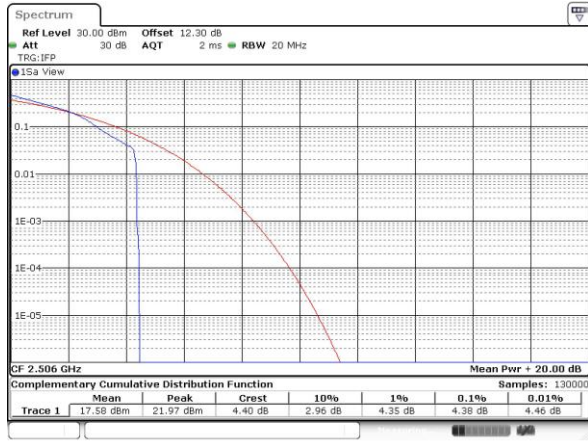
Highest Channel / Full RB



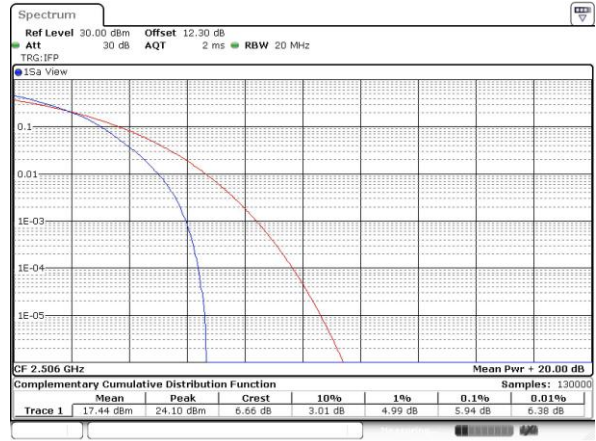


LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



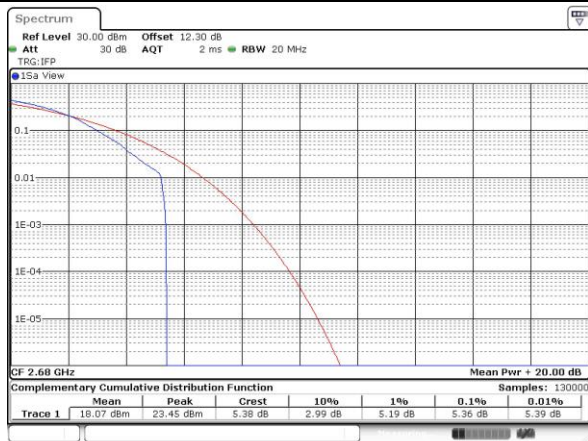
Middle Channel / 1RB



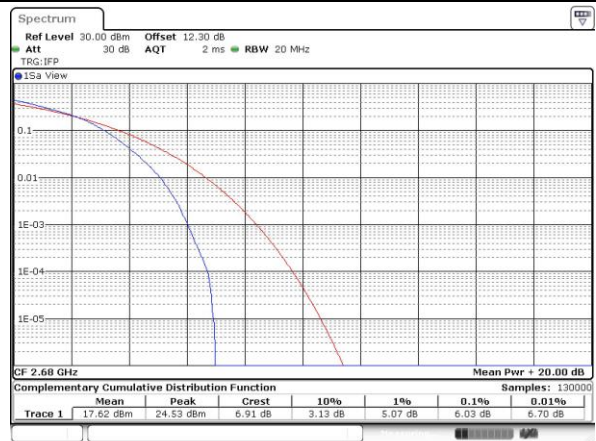
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



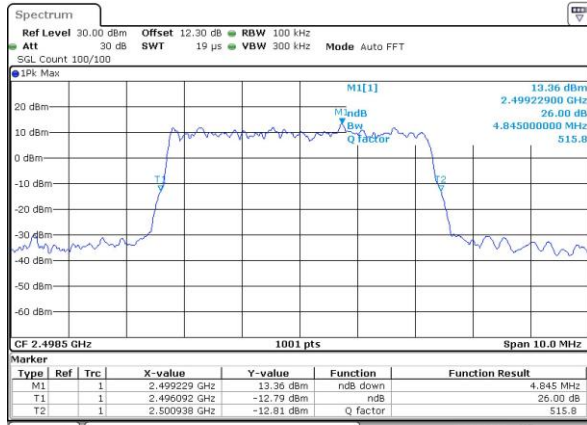
**26dB Bandwidth**

Mode BW Mod.	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.84	4.83	9.86	9.73	14.32	14.35	18.62	18.86
Middle CH	-	-	-	-	4.82	5.08	9.75	9.73	14.35	14.14	19.1	18.98
Highest CH	-	-	-	-	4.94	4.86	9.63	9.78	14.35	14.2	19.98	18.82



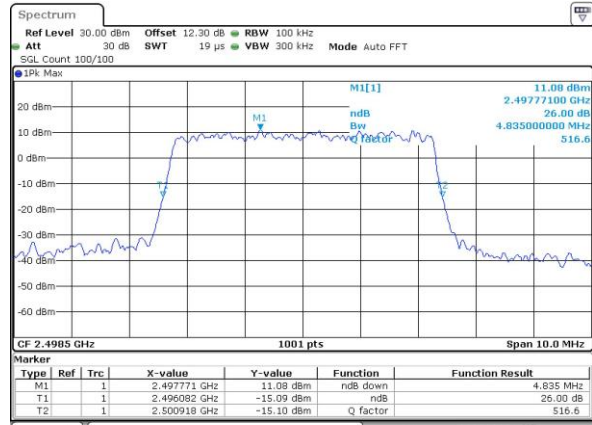
LTE Band 41

Lowest Channel / 5MHz / QPSK



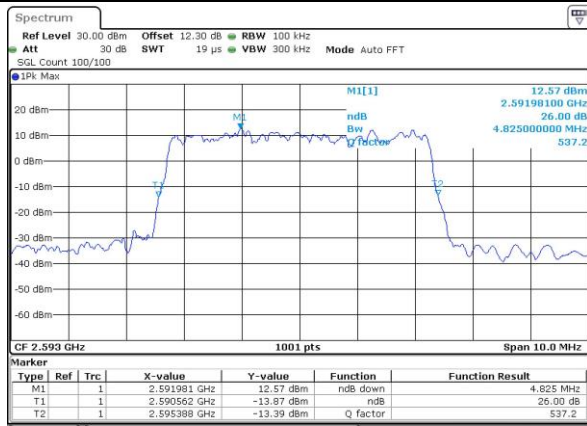
Date: 28 JUN 2019 07:05:44

Lowest Channel / 5MHz / 16QAM



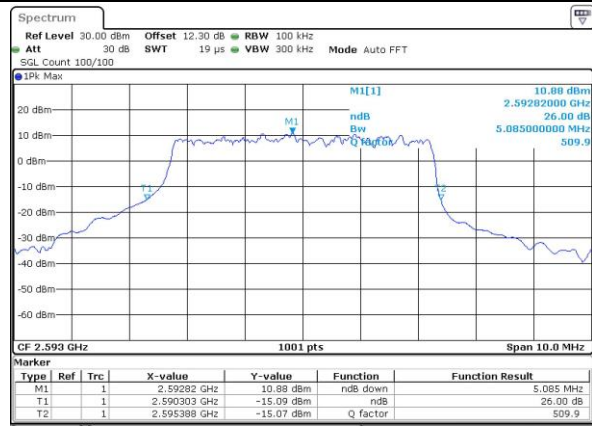
Date: 28 JUN 2019 07:05:55

Middle Channel / 5MHz / QPSK



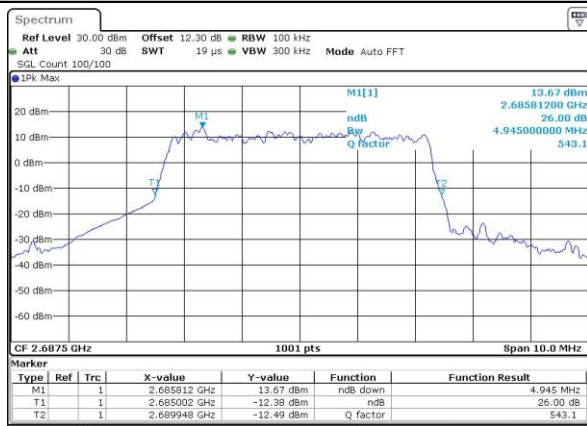
Date: 28 JUN 2019 07:06:30

Middle Channel / 5MHz / 16QAM



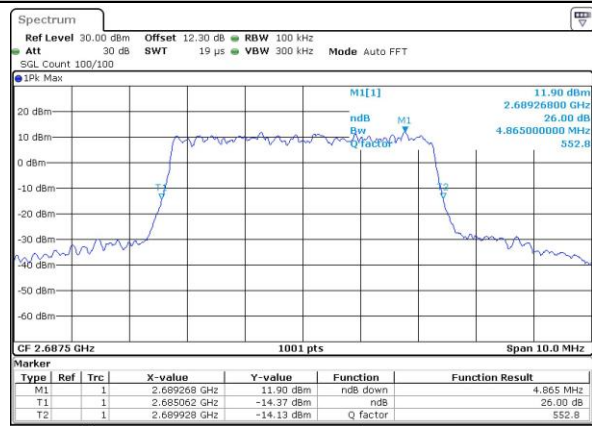
Date: 28 JUN 2019 07:06:41

Highest Channel / 5MHz / QPSK



Date: 28 JUN 2019 07:07:16

Highest Channel / 5MHz / 16QAM

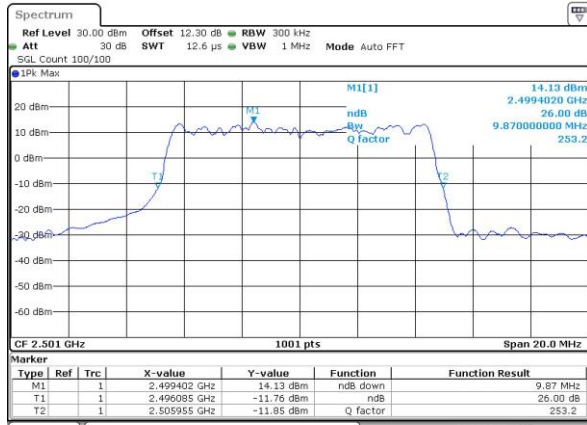


Date: 28 JUN 2019 07:07:27



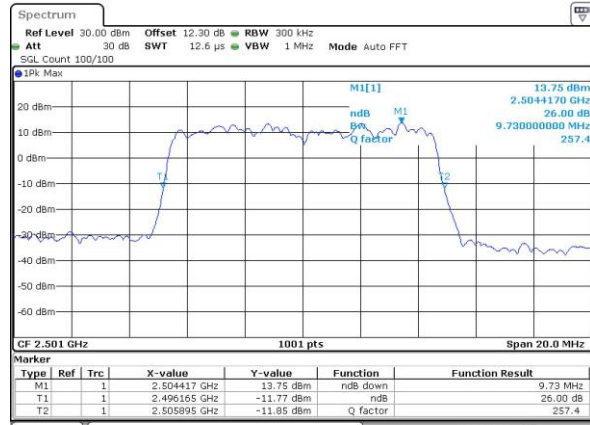
LTE Band 41

Lowest Channel / 10MHz / QPSK



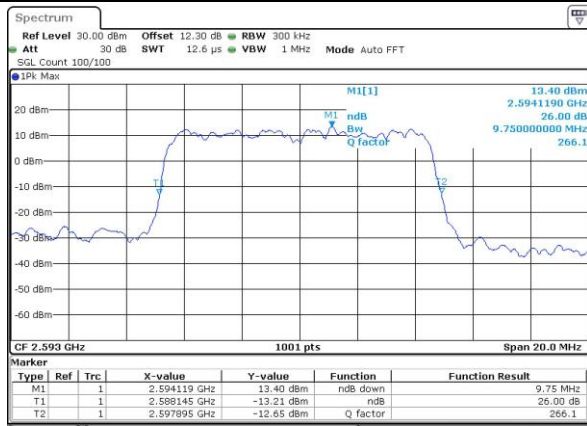
Date: 28 JUN 2019 07:08:02

Lowest Channel / 10MHz / 16QAM



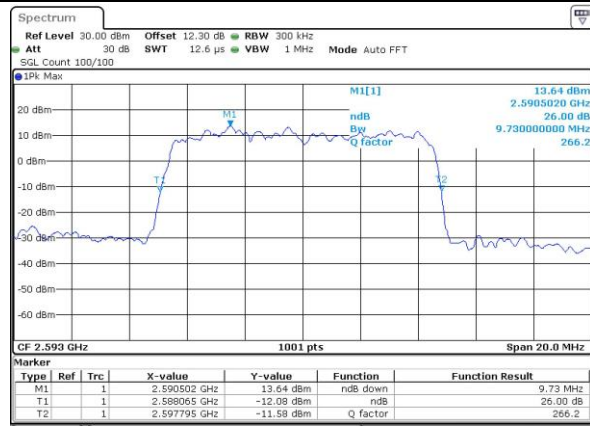
Date: 28 JUN 2019 07:08:13

Middle Channel / 10MHz / QPSK



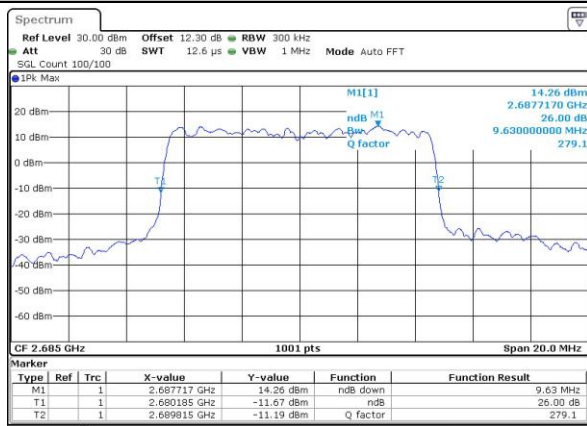
Date: 28 JUN 2019 07:08:48

Middle Channel / 10MHz / 16QAM



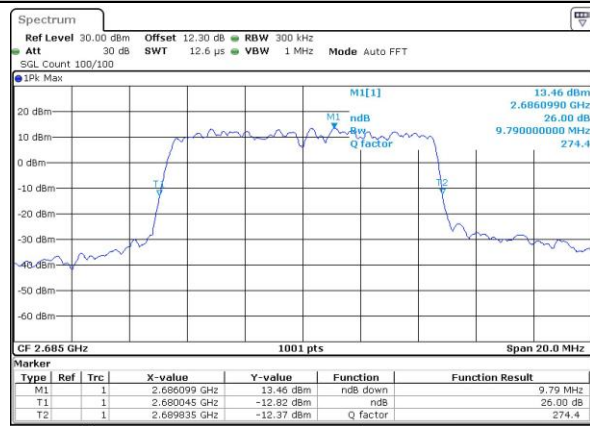
Date: 28 JUN 2019 07:08:00

Highest Channel / 10MHz / QPSK



Date: 28 JUN 2019 07:09:34

Highest Channel / 10MHz / 16QAM

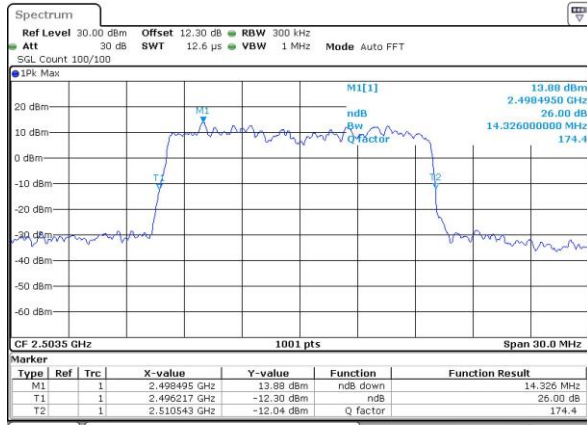


Date: 28 JUN 2019 07:09:46



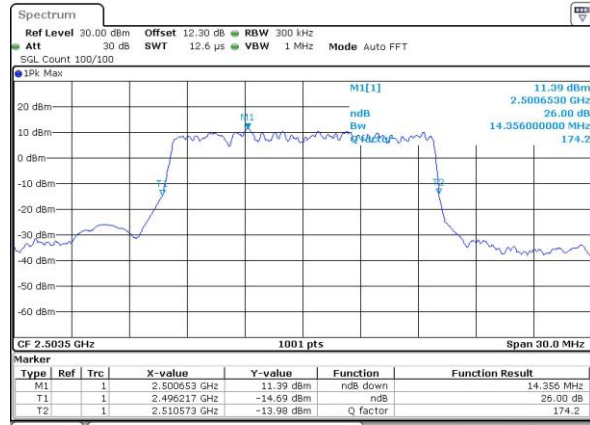
LTE Band 41

Lowest Channel / 15MHz / QPSK



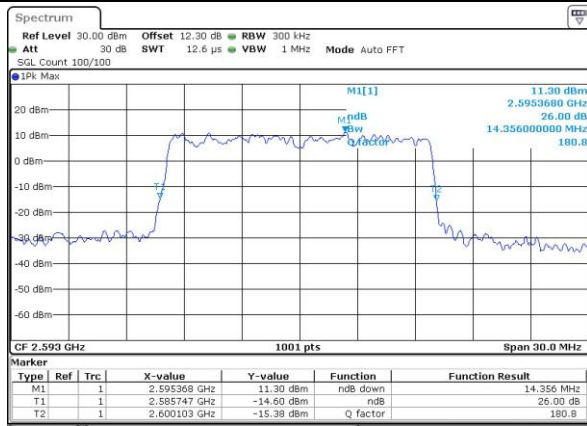
Date: 28 JUN 2019 07:10:20

Lowest Channel / 15MHz / 16QAM



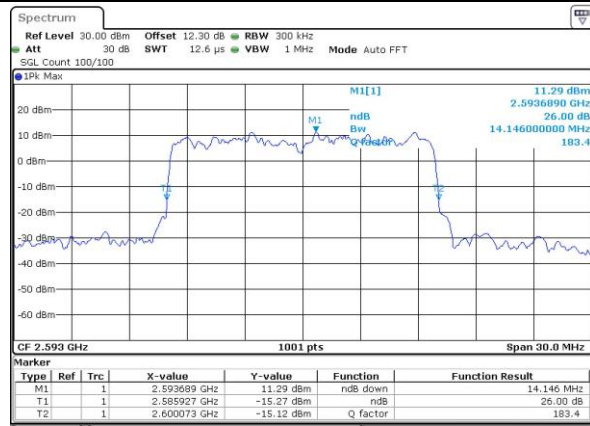
Date: 28 JUN 2019 07:10:31

Middle Channel / 15MHz / QPSK



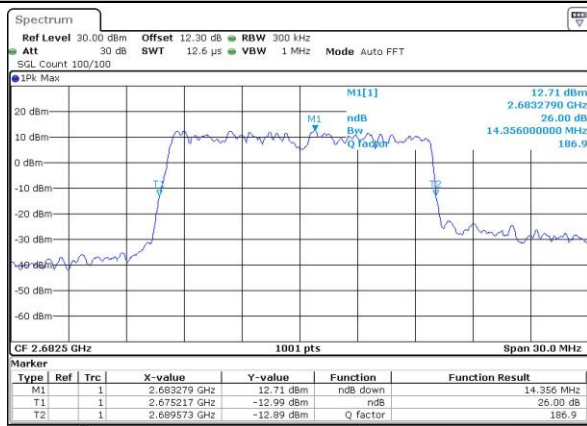
Date: 28 JUN 2019 07:11:06

Middle Channel / 15MHz / 16QAM



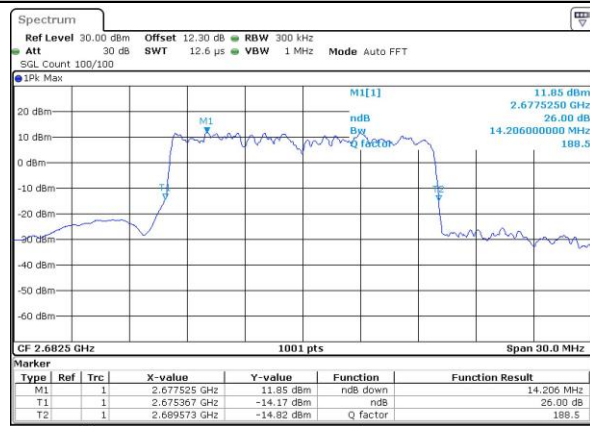
Date: 28 JUN 2019 07:11:17

Highest Channel / 15MHz / QPSK



Date: 28 JUN 2019 07:11:52

Highest Channel / 15MHz / 16QAM

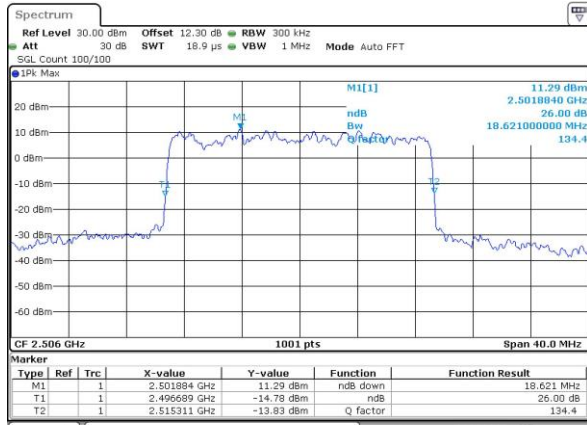


Date: 28 JUN 2019 07:12:03



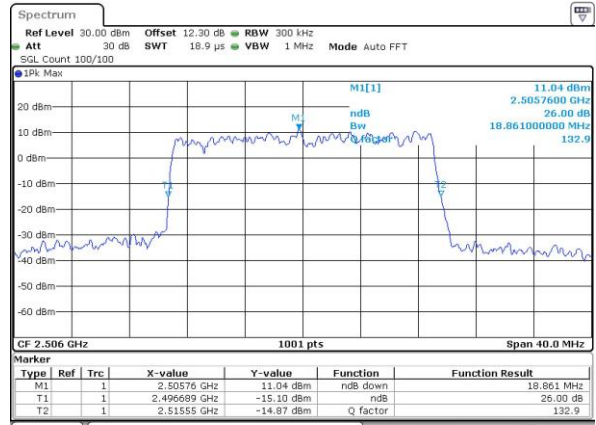
LTE Band 41

Lowest Channel / 20MHz / QPSK



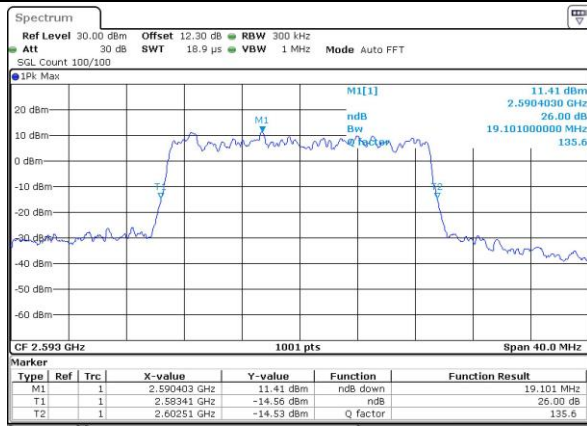
Date: 28 JUN 2019 07:12:38

Lowest Channel / 20MHz / 16QAM



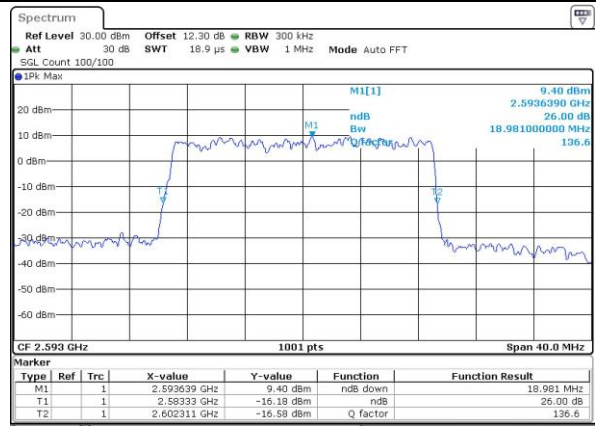
Date: 28 JUN 2019 07:12:50

Middle Channel / 20MHz / QPSK



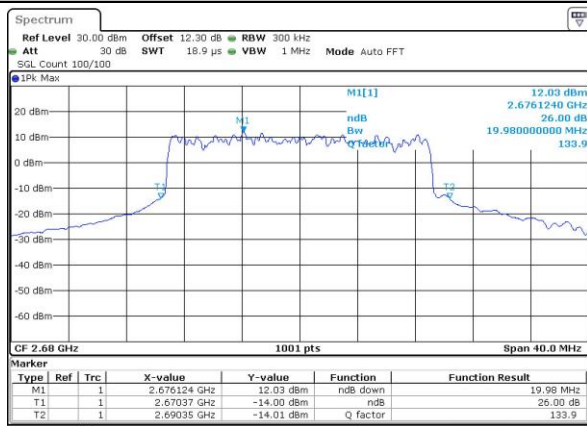
Date: 28 JUN 2019 07:13:24

Middle Channel / 20MHz / 16QAM



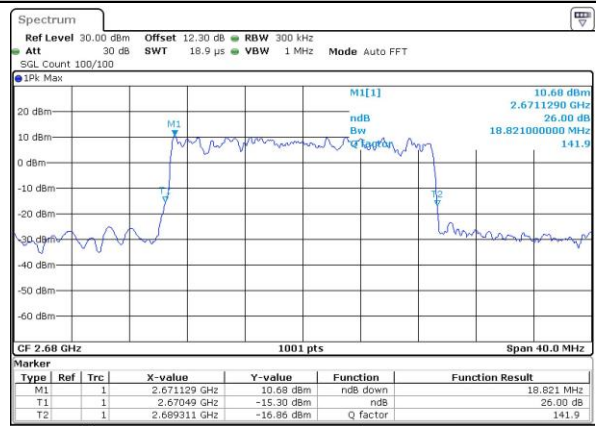
Date: 28 JUN 2019 07:13:36

Highest Channel / 20MHz / QPSK



Date: 28 JUN 2019 07:14:10

Highest Channel / 20MHz / 16QAM



Date: 28 JUN 2019 07:14:22

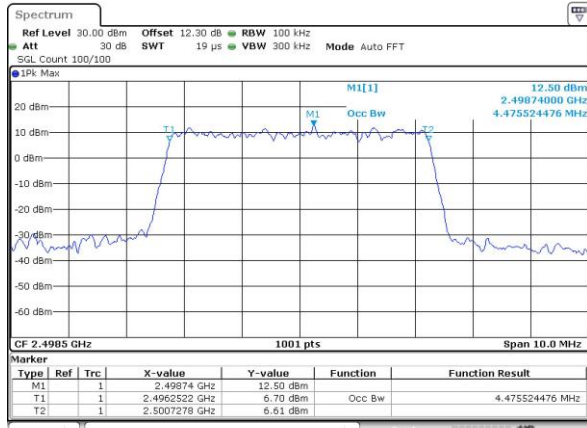
**Occupied Bandwidth**

Mode BW Mod.	LTE Band 41 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.46	9.03	8.93	13.39	13.42	18.02	17.9
Middle CH	-	-	-	-	4.49	4.48	9.01	8.93	13.45	13.42	17.94	17.86
Highest CH	-	-	-	-	4.44	4.49	9.05	9.05	13.45	13.45	17.9	17.82



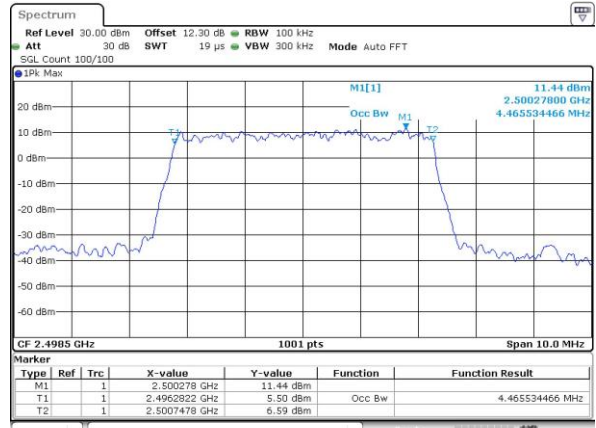
LTE Band 41

Lowest Channel / 5MHz / QPSK



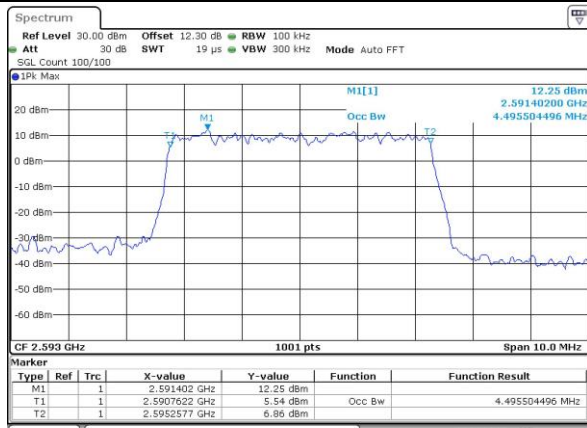
Date: 28 JUN 2019 07:05:21

Lowest Channel / 5MHz / 16QAM



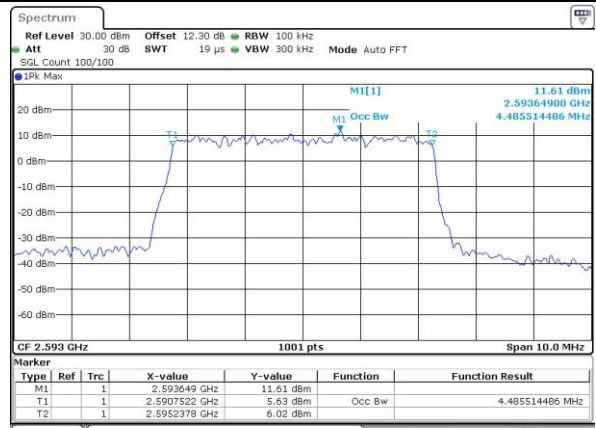
Date: 28 JUN 2019 07:05:32

Middle Channel / 5MHz / QPSK



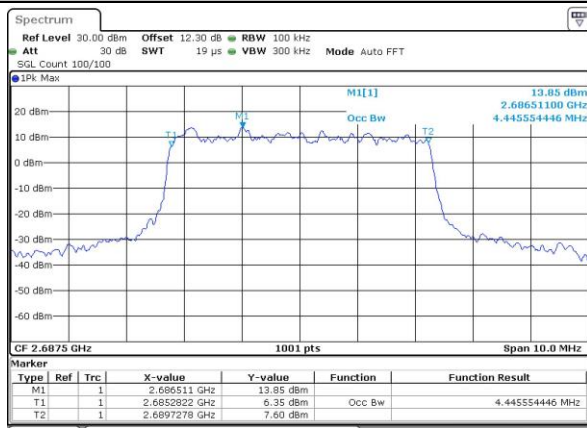
Date: 28 JUN 2019 07:06:07

Middle Channel / 5MHz / 16QAM



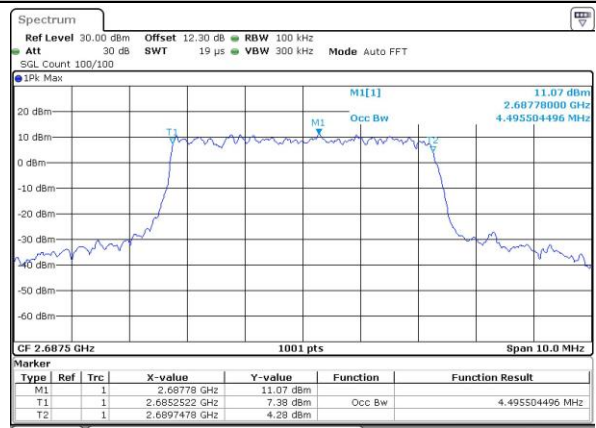
Date: 28 JUN 2019 07:06:10

Highest Channel / 5MHz / QPSK



Date: 28 JUN 2019 07:06:53

Highest Channel / 5MHz / 16QAM

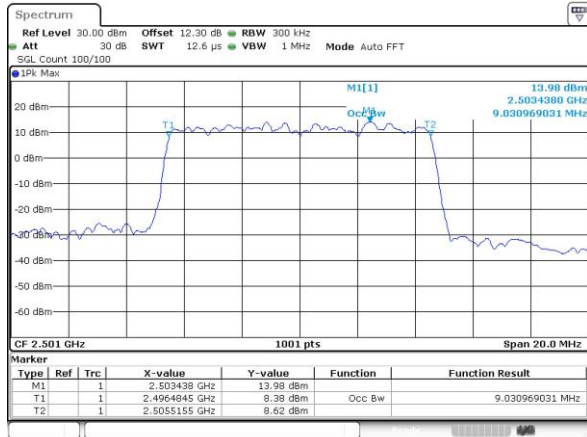


Date: 28 JUN 2019 07:07:04

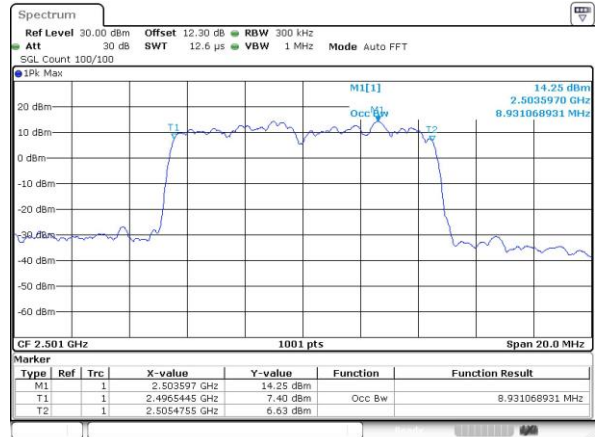


LTE Band 41

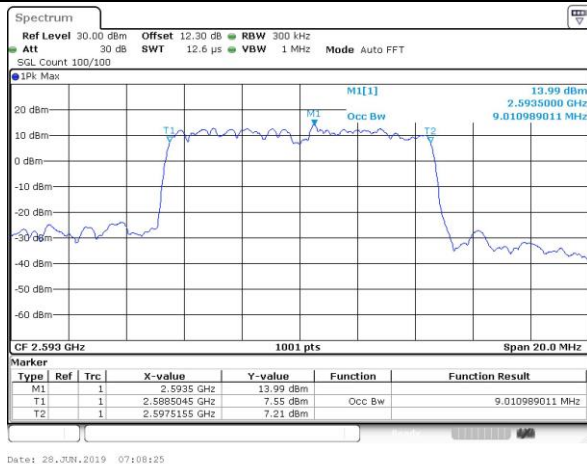
Lowest Channel / 10MHz / QPSK



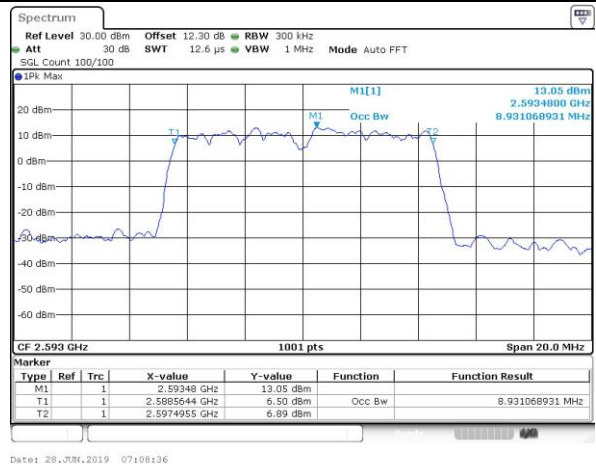
Lowest Channel / 10MHz / 16QAM



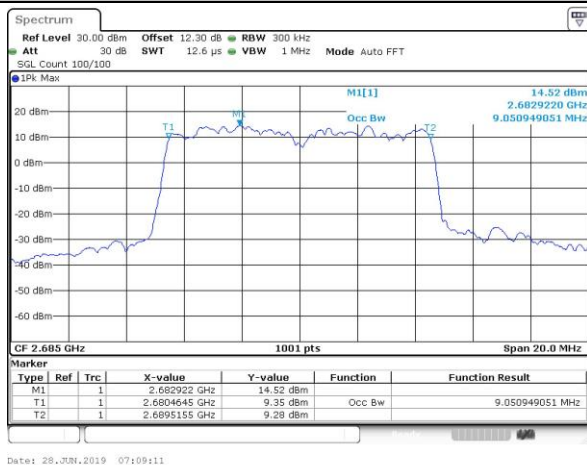
Middle Channel / 10MHz / QPSK



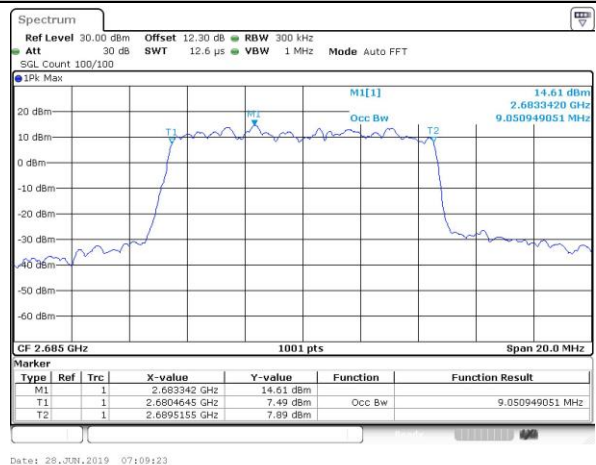
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



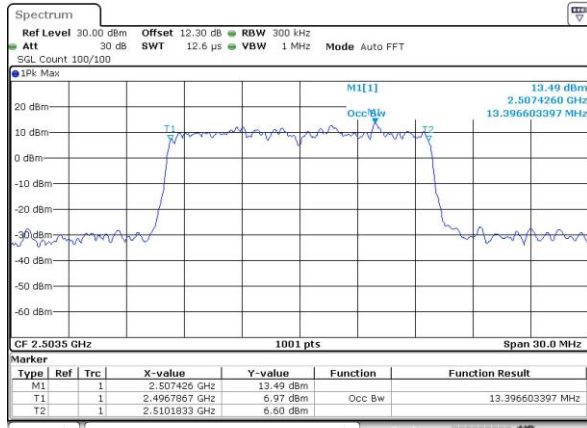
Highest Channel / 10MHz / 16QAM





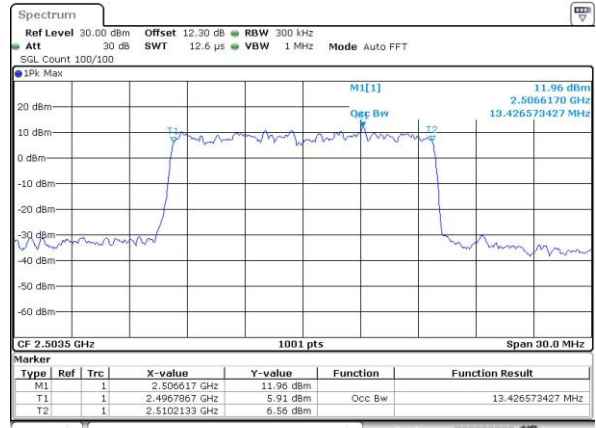
LTE Band 41

Lowest Channel / 15MHz / QPSK



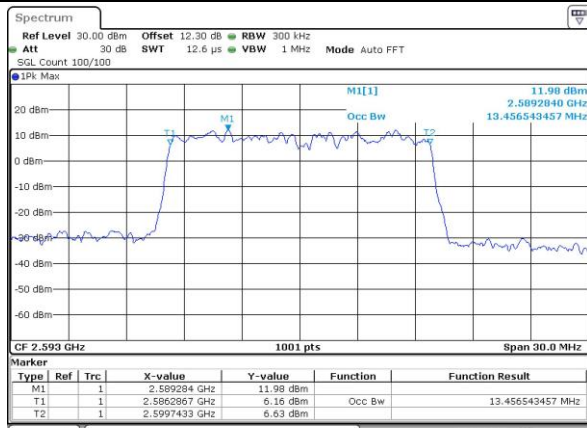
Date: 28 JUN 2019 07:09:57

Lowest Channel / 15MHz / 16QAM



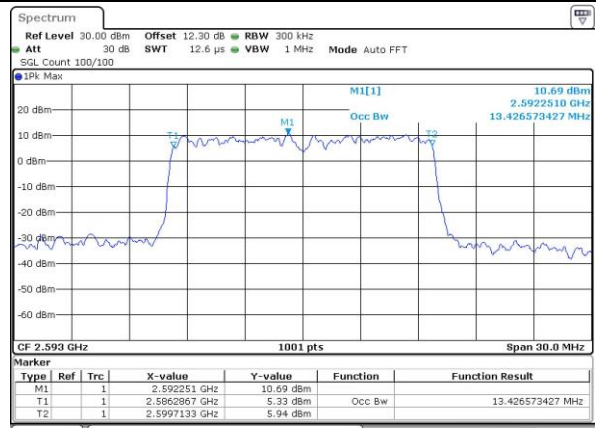
Date: 28 JUN 2019 07:10:09

Middle Channel / 15MHz / QPSK



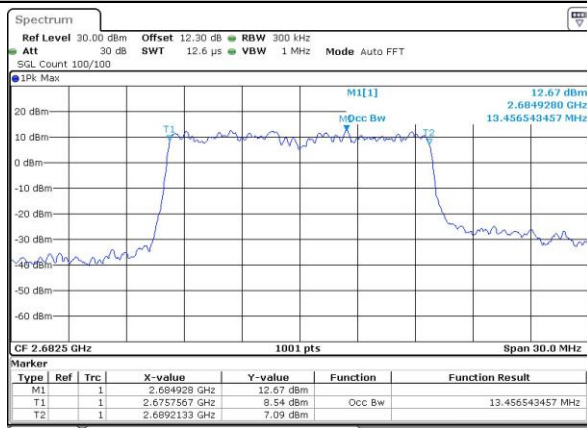
Date: 28 JUN 2019 07:10:43

Middle Channel / 15MHz / 16QAM



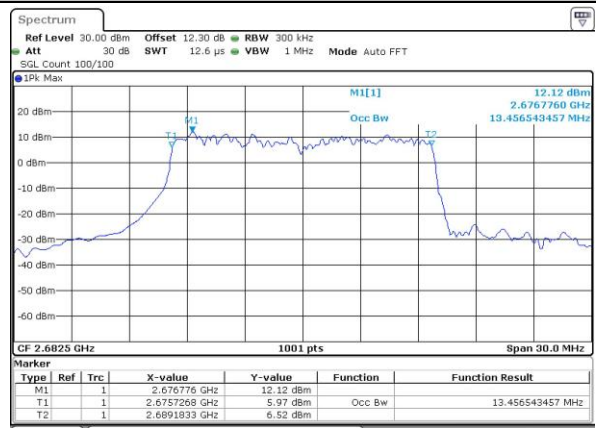
Date: 28 JUN 2019 07:10:55

Highest Channel / 15MHz / QPSK



Date: 28 JUN 2019 07:11:29

Highest Channel / 15MHz / 16QAM

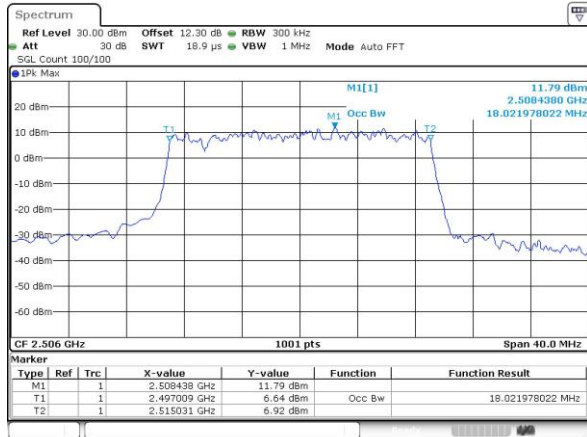


Date: 28 JUN 2019 07:11:41

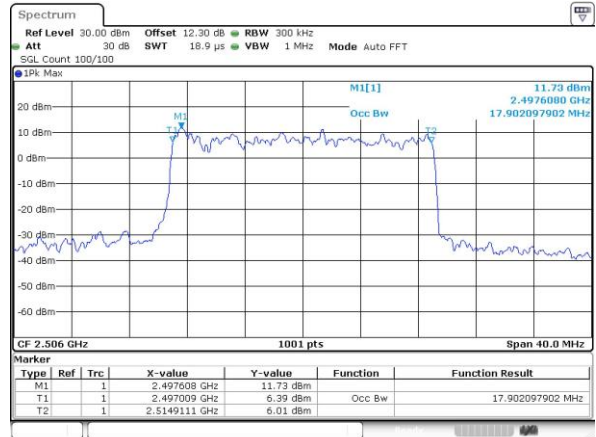


LTE Band 41

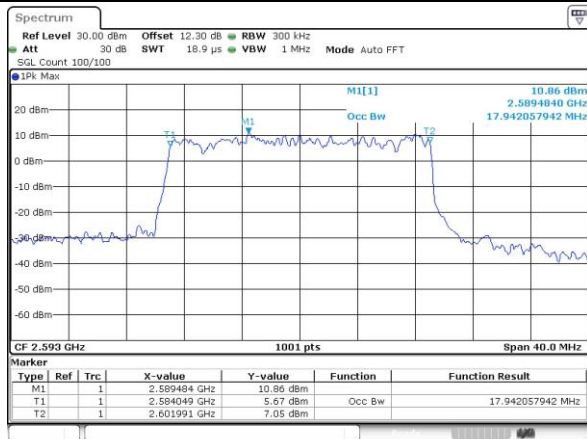
Lowest Channel / 20MHz / QPSK



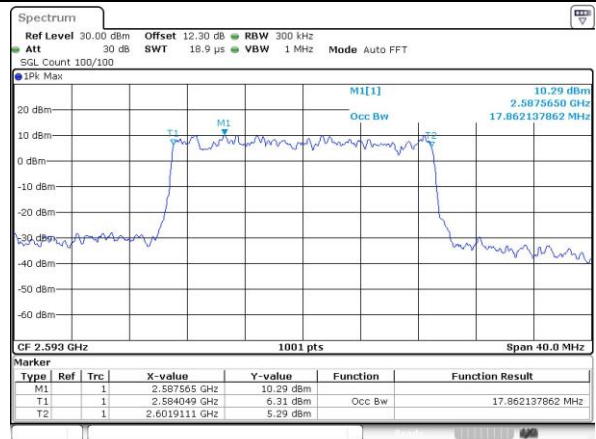
Lowest Channel / 20MHz / 16QAM



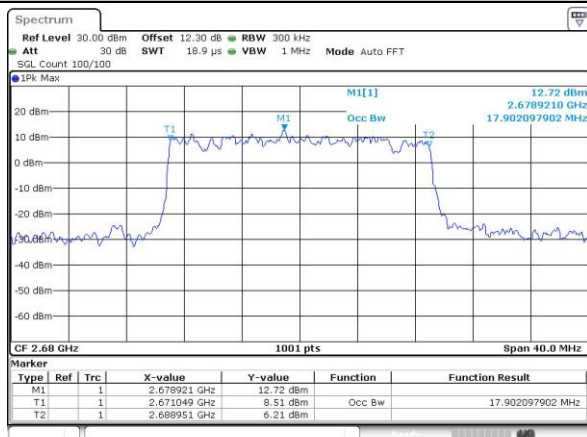
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

