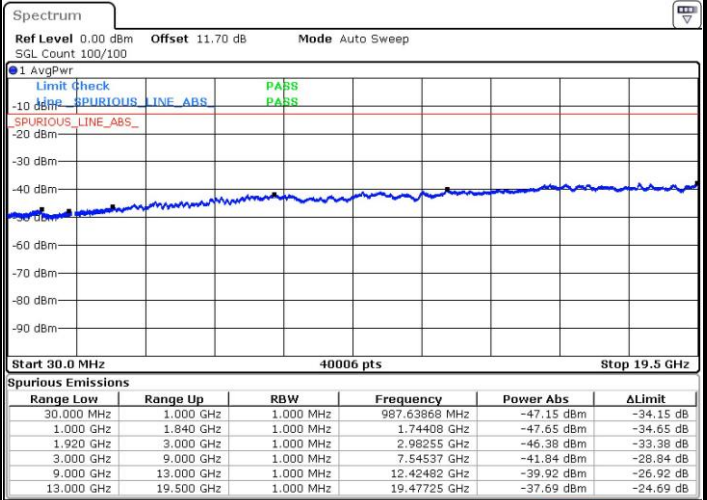
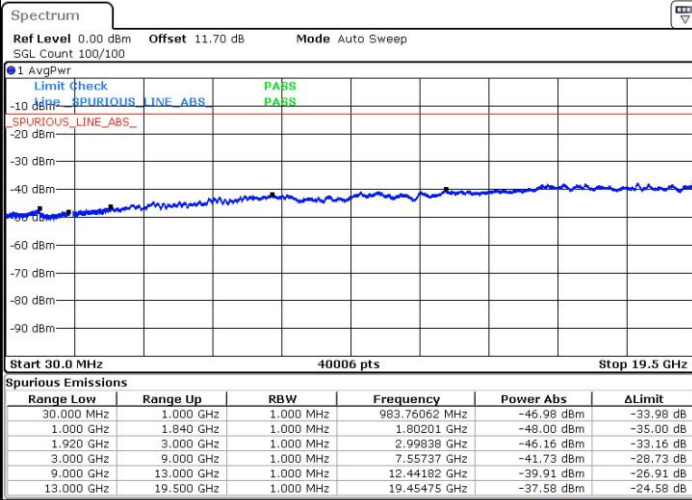




LTE Band 25 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

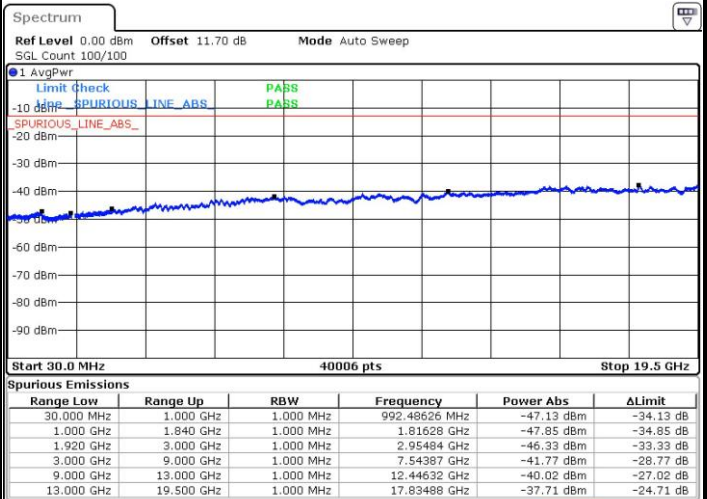
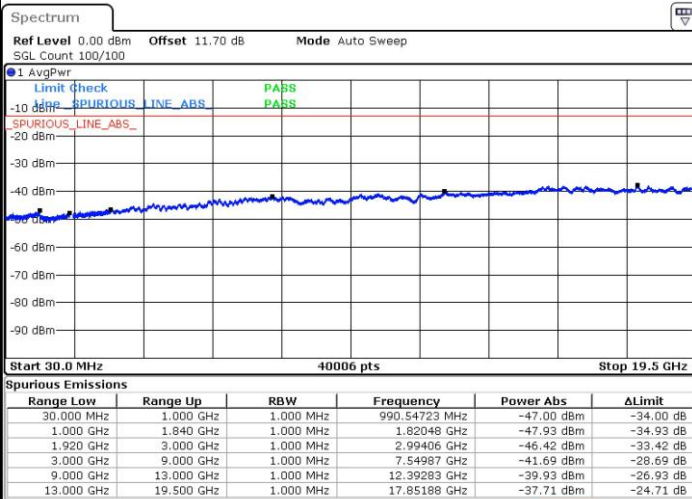


Date: 26 JUN 2019 11:10:41

Date: 26 JUN 2019 11:11:22

Highest Channel / QPSK

Highest Channel / 16QAM



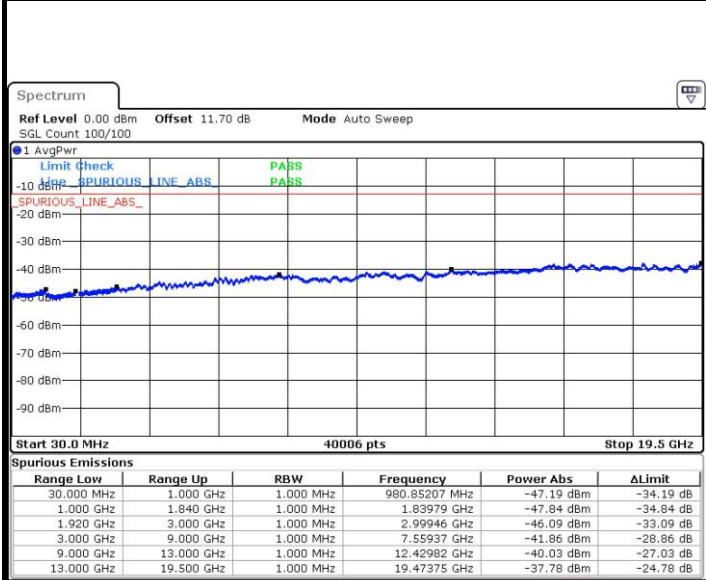
Date: 26 JUN 2019 11:16:31

Date: 26 JUN 2019 11:17:13



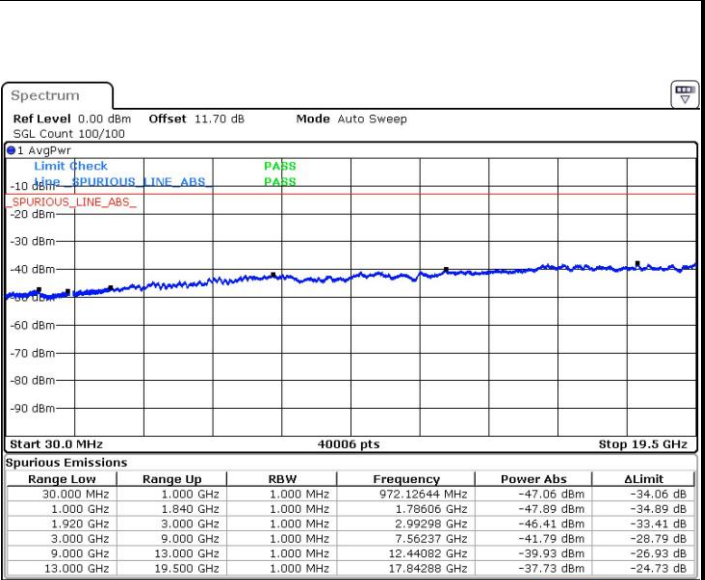
**LTE Band 25 / 1.4MHz**

**Lowest Channel / 64QAM**



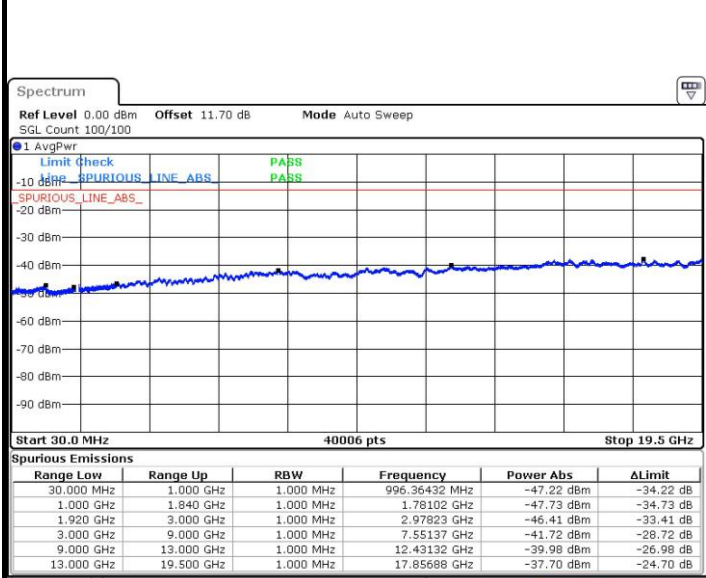
Date: 26 JUN 2019 09:25:02

**Middle Channel / 64QAM**



Date: 26 JUN 2019 09:26:08

**Highest Channel / 64QAM**



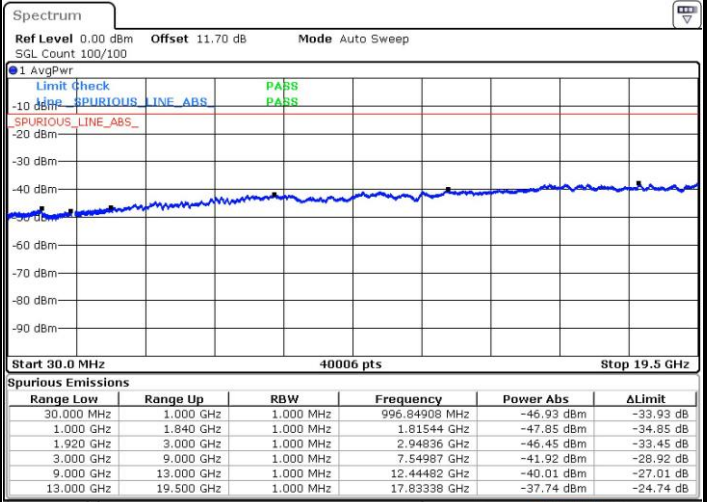
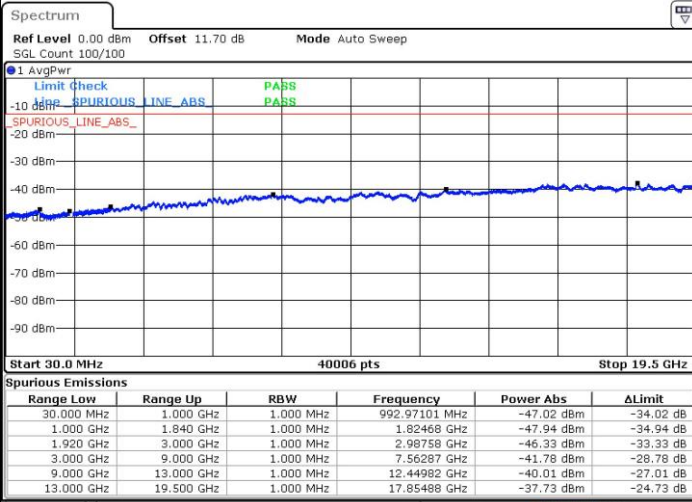
Date: 26 JUN 2019 09:29:32



LTE Band 25 / 3MHz

Lowest Channel / 64QAM

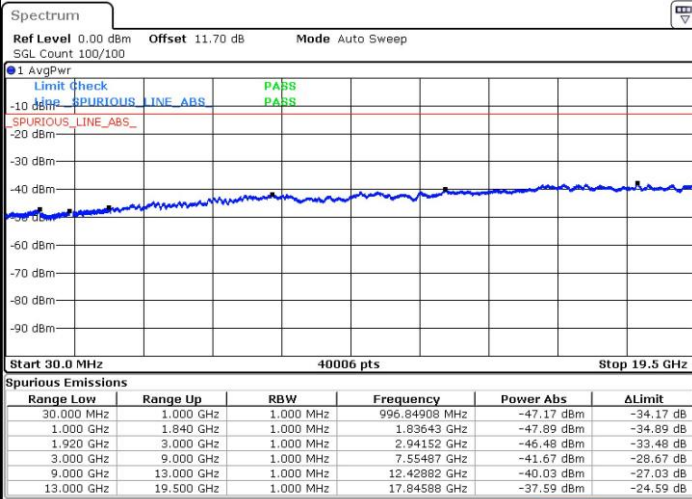
Middle Channel / 64QAM



Date: 26 JUN 2019 09:32:41

Date: 26 JUN 2019 09:33:47

Highest Channel / 64QAM



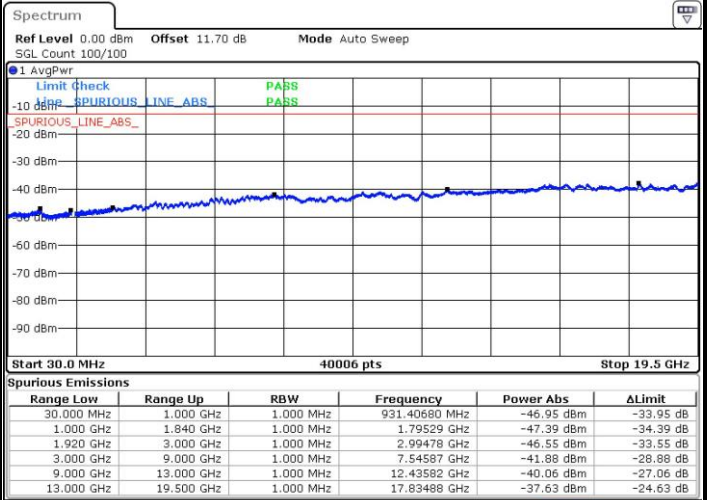
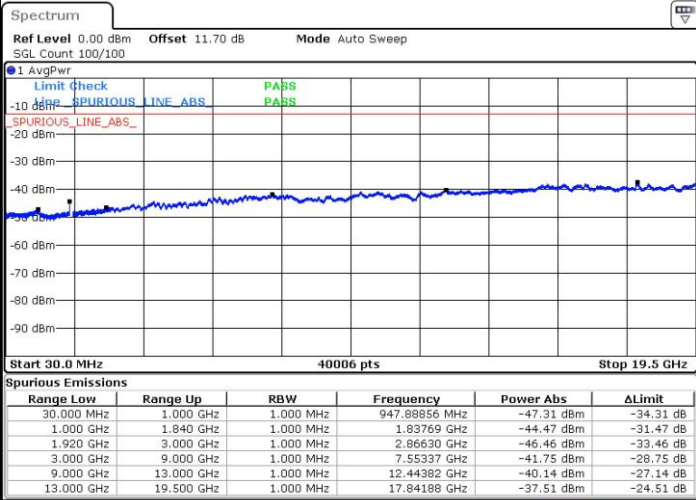
Date: 26 JUN 2019 09:36:55



LTE Band 25 / 5MHz

Lowest Channel / 64QAM

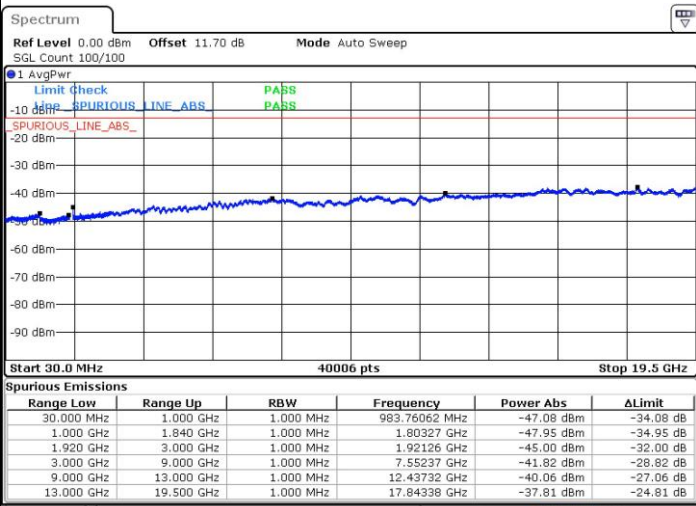
Middle Channel / 64QAM



Date: 26 JUN 2019 10:23:46

Date: 26 JUN 2019 10:24:52

Highest Channel / 64QAM



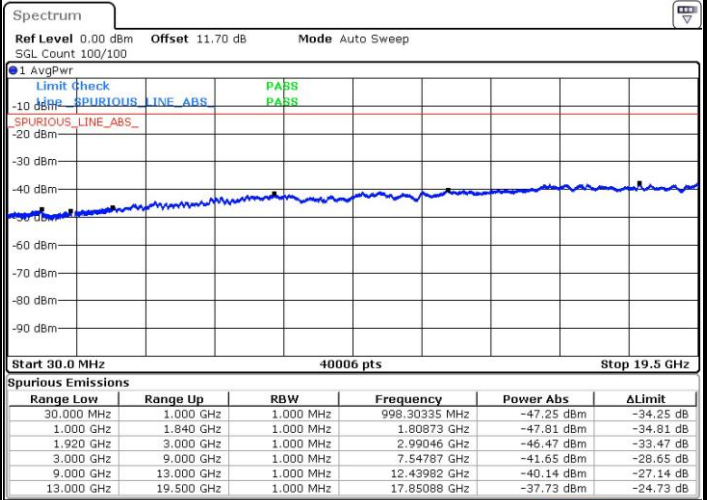
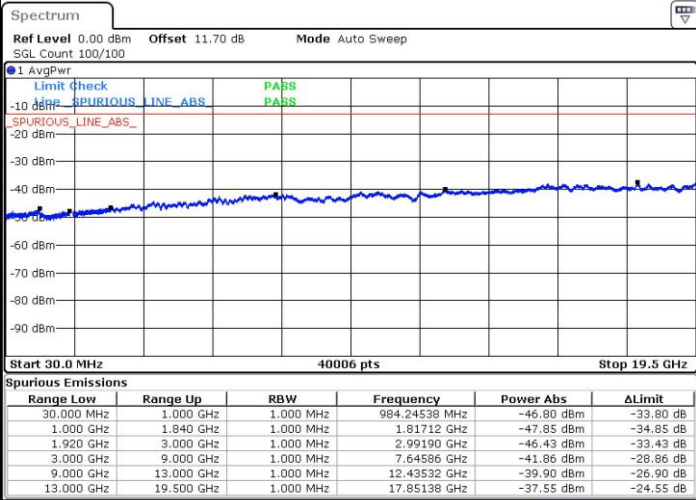
Date: 26 JUN 2019 10:27:21



LTE Band 25 / 10MHz

Lowest Channel / 64QAM

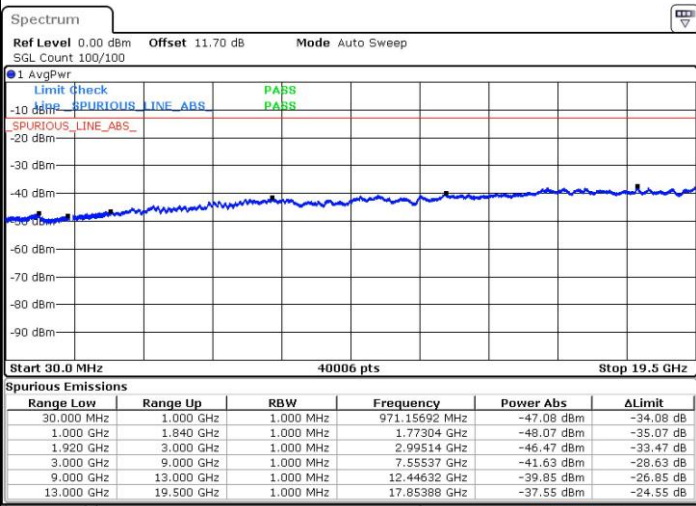
Middle Channel / 64QAM



Date: 26 JUN 2019 10:42:01

Date: 26 JUN 2019 10:43:07

Highest Channel / 64QAM



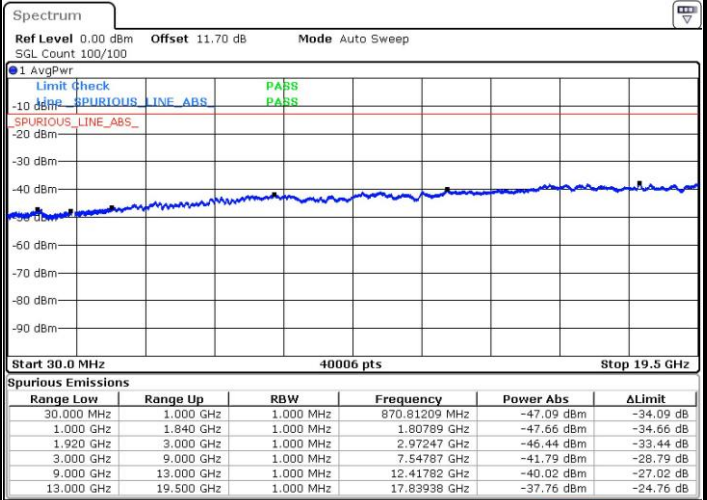
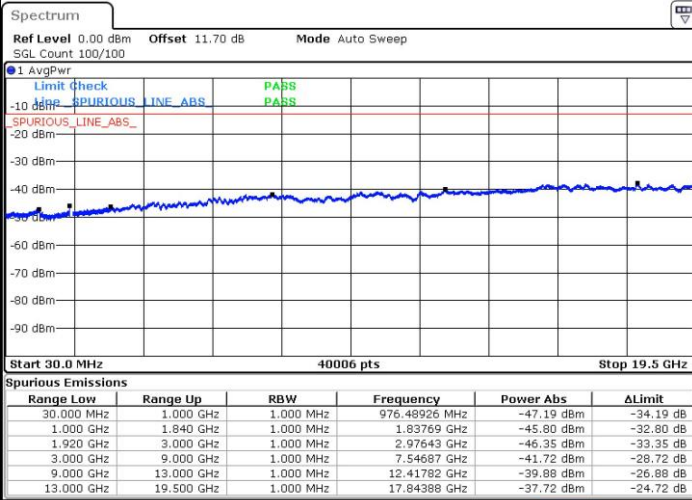
Date: 26 JUN 2019 10:45:36



LTE Band 25 / 15MHz

Lowest Channel / 64QAM

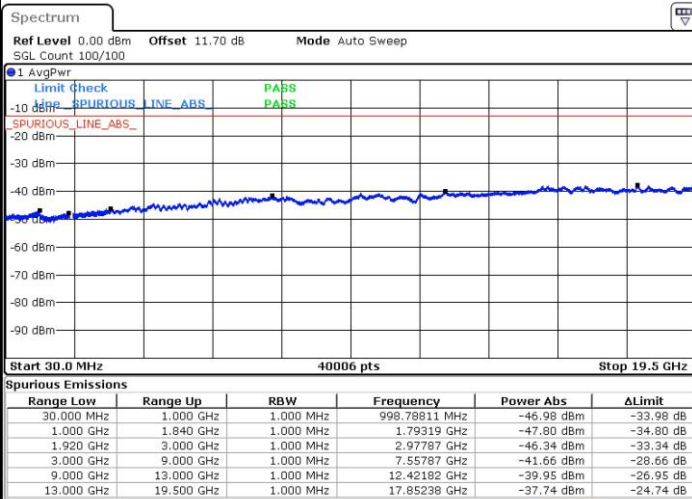
Middle Channel / 64QAM



Date: 26 JUN 2019 10:48:05

Date: 26 JUN 2019 10:49:12

Highest Channel / 64QAM



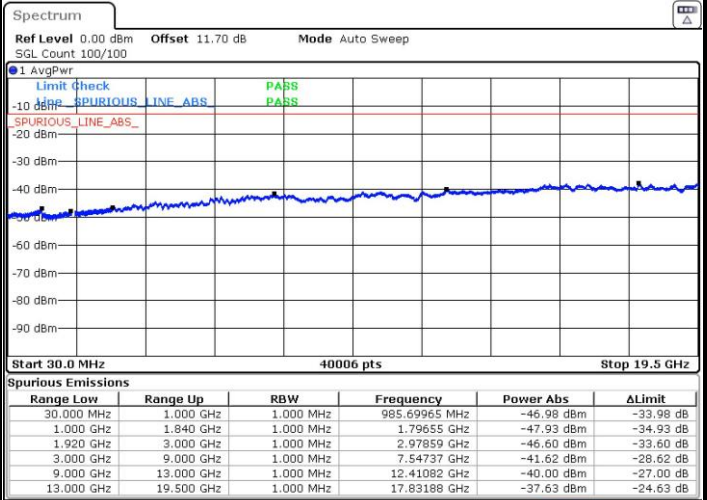
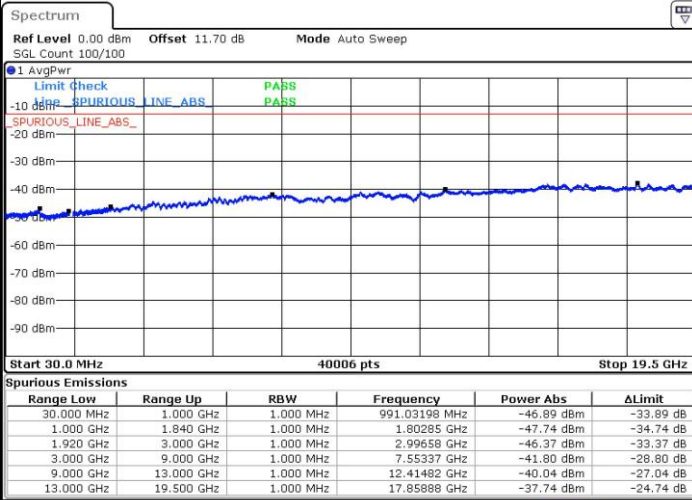
Date: 26 JUN 2019 10:51:48



LTE Band 25 / 20MHz

Lowest Channel / 64QAM

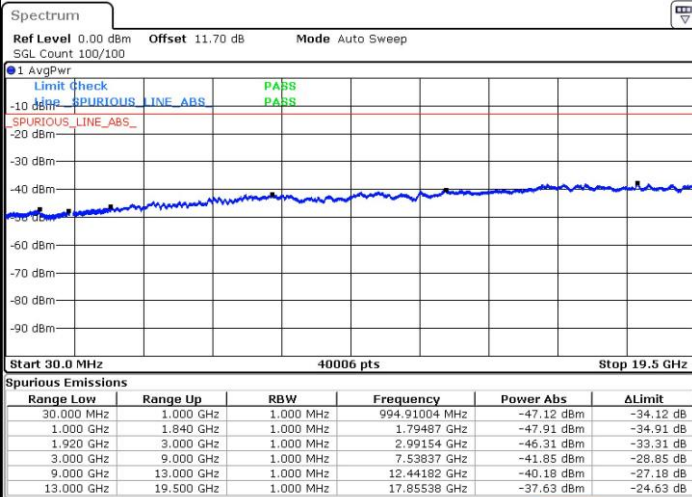
Middle Channel / 64QAM



Date: 26 JUN 2019 11:19:42

Date: 29 JUN 2019 06:59:05

Highest Channel / 64QAM



Date: 26 JUN 2019 11:23:43



Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0062	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





# LTE Band 26

## Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.71	5.16	4.03	5.88	PASS
Middle CH	3.65	5.04	4.20	5.91	
Highest CH	3.68	5.39	4.43	5.94	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.01	6.38	-	-	PASS
Middle CH	5.42	6.35	-	-	
Highest CH	5.48	6.49	-	-	



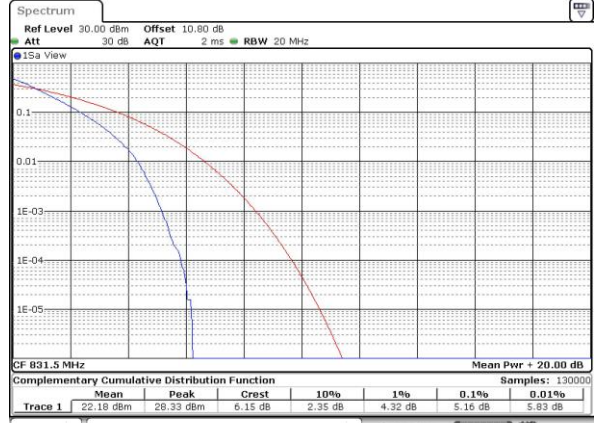
LTE Band 26 / 15MHz / QPSK

Lowest Channel / 1RB



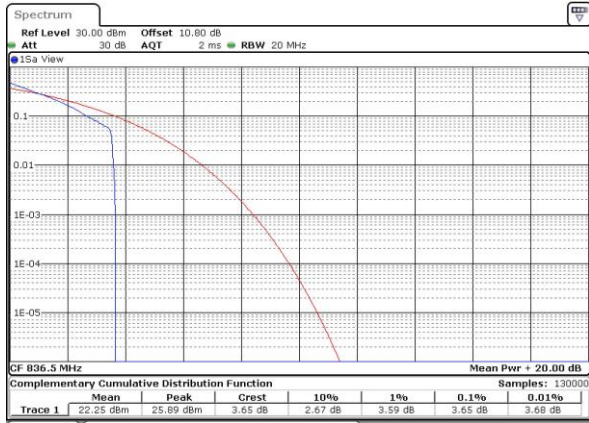
Date: 26 JUN 2019 02:36:56

Lowest Channel / Full RB



Date: 26 JUN 2019 02:36:09

Middle Channel / 1RB



Date: 26 JUN 2019 02:37:06

Middle Channel / Full RB



Date: 26 JUN 2019 02:37:41

Highest Channel / 1RB



Date: 26 JUN 2019 02:38:45

Highest Channel / Full RB



Date: 26 JUN 2019 02:37:54



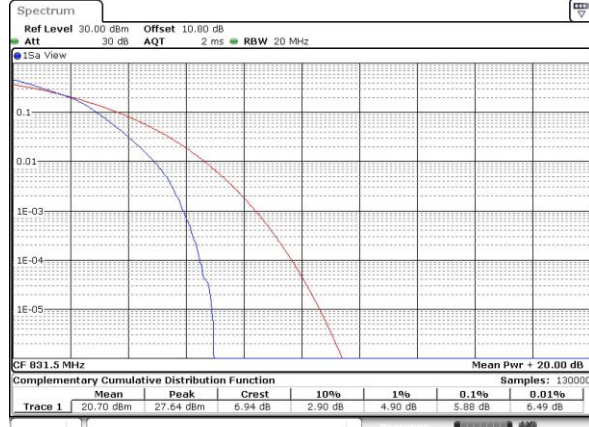
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / 1RB



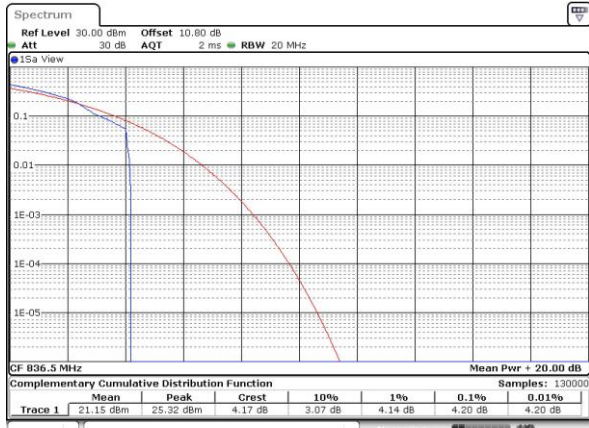
Date: 26 JUN 2019 02:36:32

Lowest Channel / Full RB



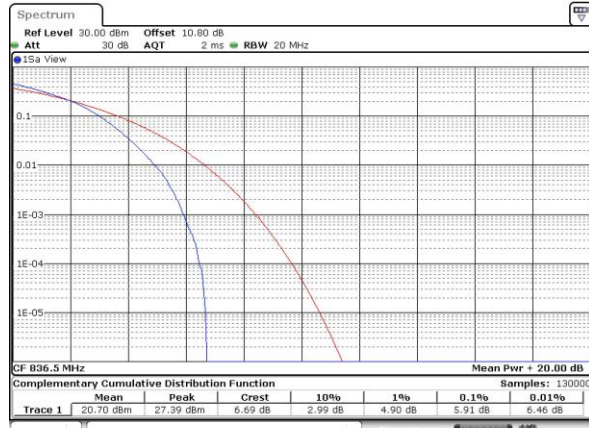
Date: 26 JUN 2019 02:36:21

Middle Channel / 1RB



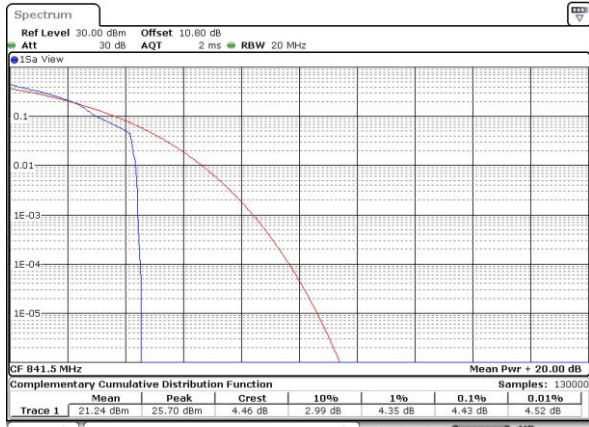
Date: 26 JUN 2019 02:37:18

Middle Channel / Full RB



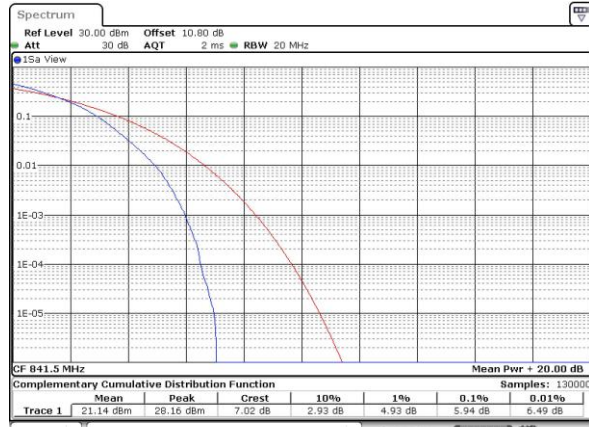
Date: 26 JUN 2019 02:37:29

Highest Channel / 1RB



Date: 26 JUN 2019 02:38:34

Highest Channel / Full RB



Date: 26 JUN 2019 02:38:05



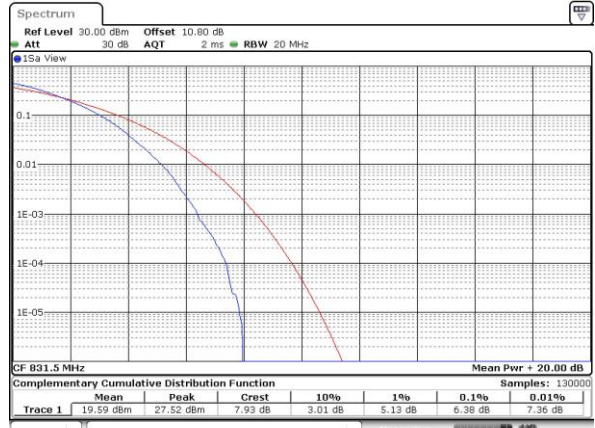
LTE Band 26 / 15MHz / 64QAM

Lowest Channel / 1RB



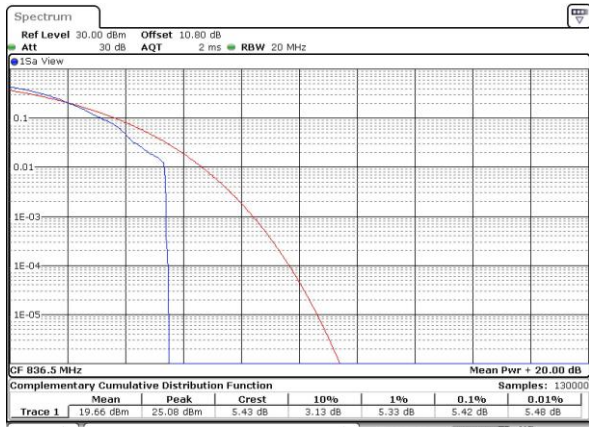
Date: 26 JUN 2019 02:39:08

Lowest Channel / Full RB



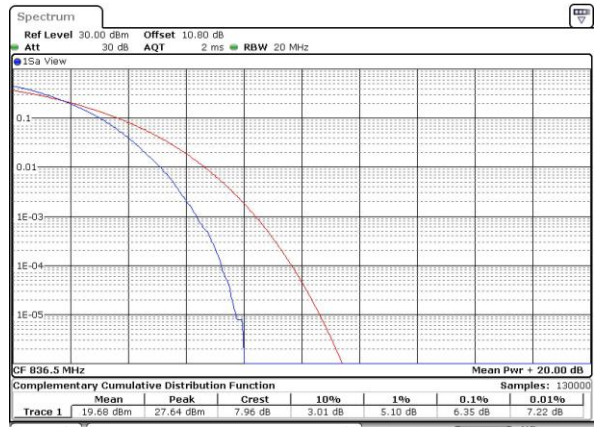
Date: 26 JUN 2019 02:38:57

Middle Channel / 1RB



Date: 26 JUN 2019 02:39:19

Middle Channel / Full RB



Date: 26 JUN 2019 02:39:31

Highest Channel / 1RB



Date: 26 JUN 2019 02:39:54

Highest Channel / Full RB



Date: 26 JUN 2019 02:39:43



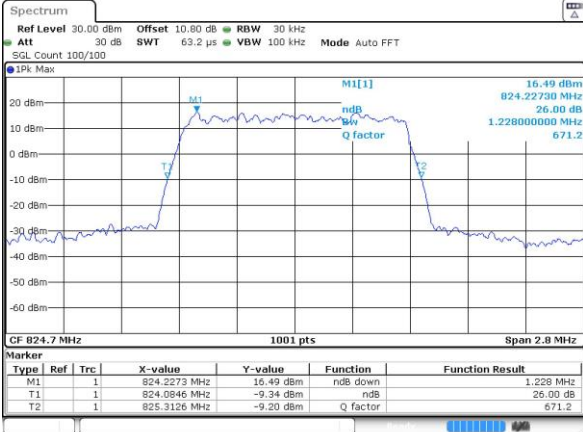
**26dB Bandwidth**

Mode	LTE Band 26 : 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	1.23	1.23	3.05	3.05	4.96	4.92	9.89	9.78	14.63	14.30	-	-
Middle CH	1.21	1.23	3.02	3.01	4.91	4.85	9.73	9.75	14.54	14.24	-	-
Highest CH	1.23	1.23	3.05	3.05	4.91	4.93	9.71	9.73	14.60	14.60	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.21	-	3.03	-	4.88	-	9.99	-	14.45	-	-	-
Middle CH	1.24	-	2.97	-	4.89	-	9.79	-	14.45	-	-	-
Highest CH	1.22	-	3.03	-	4.84	-	9.71	-	14.30	-	-	-



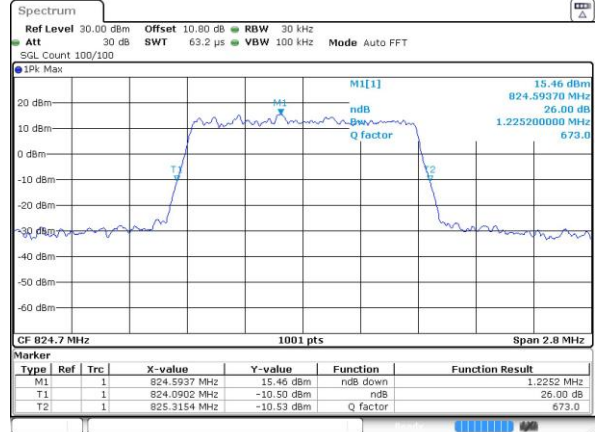
LTE Band 26

Lowest Channel / 1.4MHz / QPSK



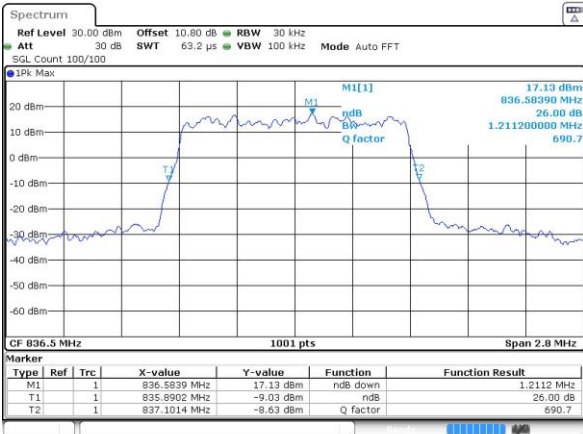
Date: 29 JUN 2019 07:05:26

Lowest Channel / 1.4MHz / 16QAM



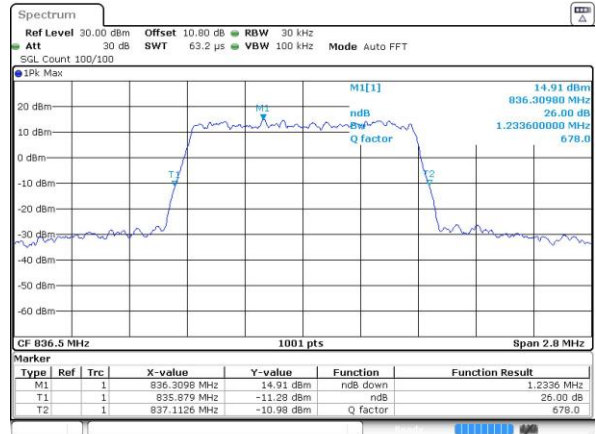
Date: 29 JUN 2019 07:05:13

Middle Channel / 1.4MHz / QPSK



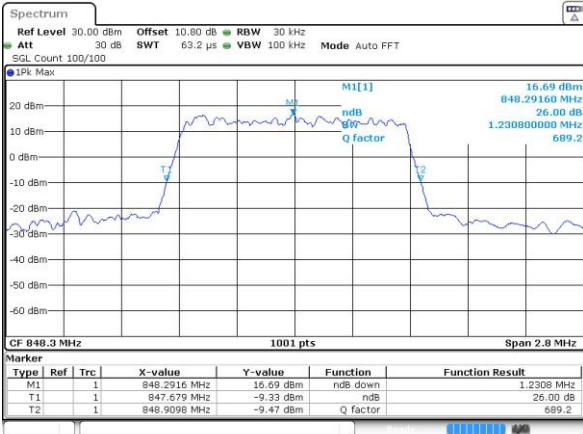
Date: 29 JUN 2019 07:06:15

Middle Channel / 1.4MHz / 16QAM



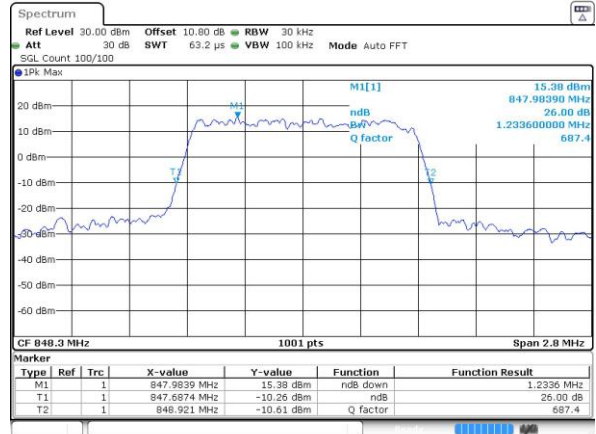
Date: 29 JUN 2019 07:06:02

Highest Channel / 1.4MHz / QPSK



Date: 29 JUN 2019 07:07:04

Highest Channel / 1.4MHz / 16QAM

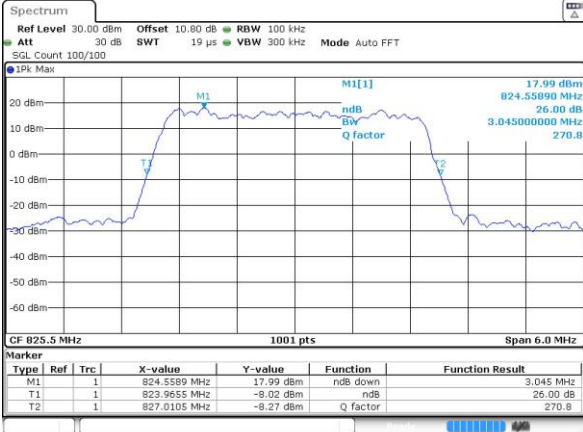


Date: 29 JUN 2019 07:06:51



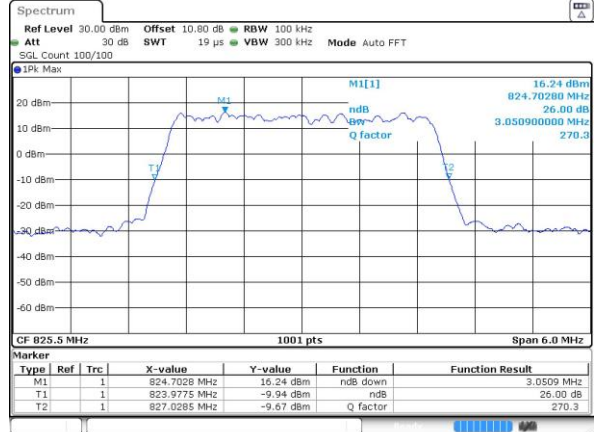
LTE Band 26

Lowest Channel / 3MHz / QPSK



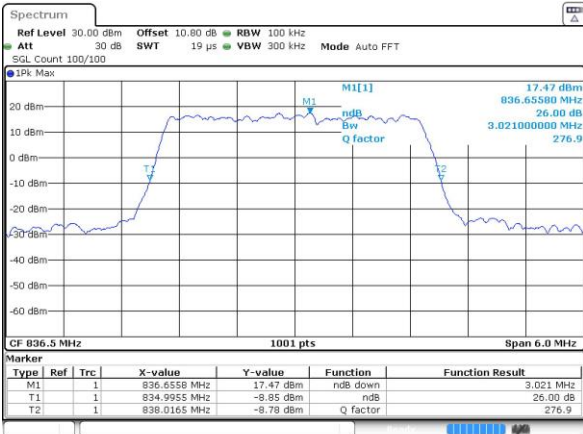
Date: 29 JUN 2019 07:18:43

Lowest Channel / 3MHz / 16QAM



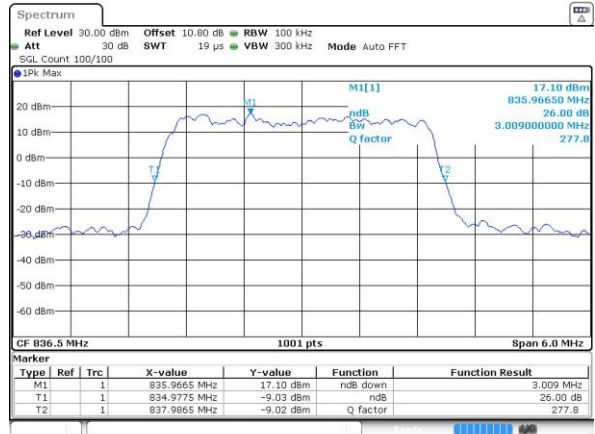
Date: 29 JUN 2019 07:18:30

Middle Channel / 3MHz / QPSK



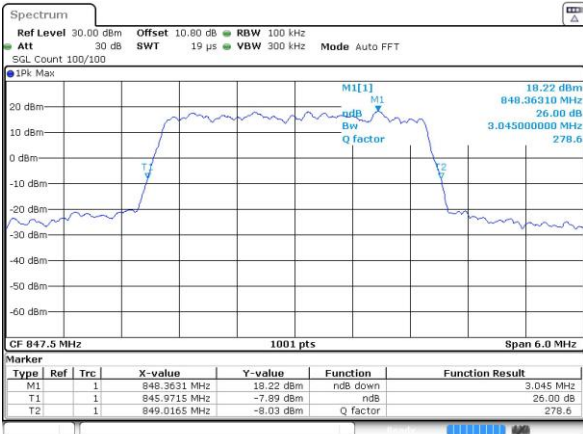
Date: 29 JUN 2019 07:19:32

Middle Channel / 3MHz / 16QAM



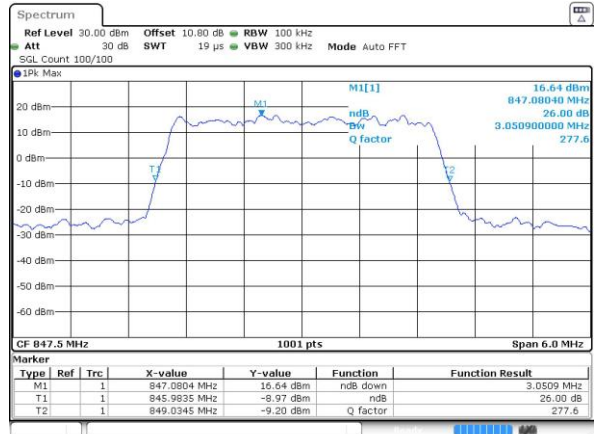
Date: 29 JUN 2019 07:19:19

Highest Channel / 3MHz / QPSK



Date: 29 JUN 2019 07:20:21

Highest Channel / 3MHz / 16QAM

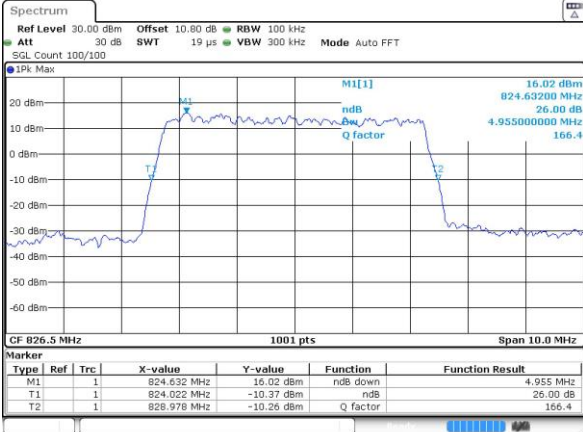


Date: 29 JUN 2019 07:20:09



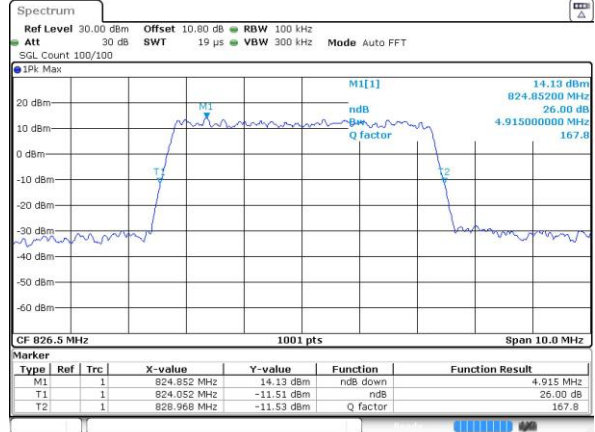
LTE Band 26

Lowest Channel / 5MHz / QPSK



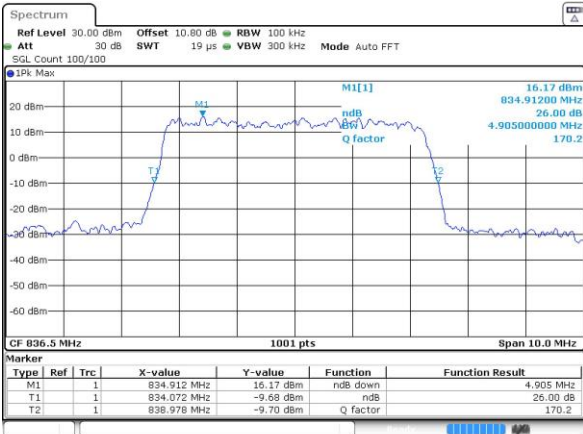
Date: 29 JUN 2019 07:21:11

Lowest Channel / 5MHz / 16QAM



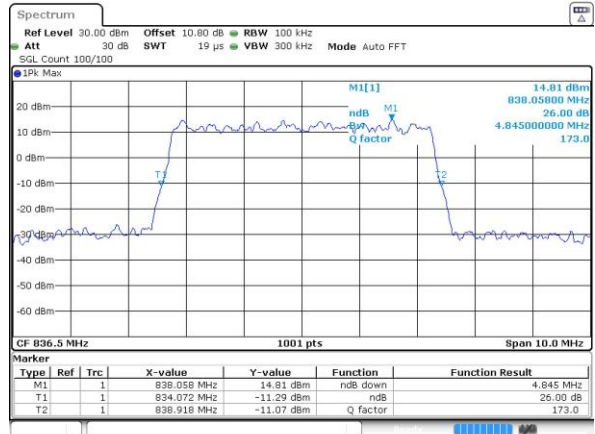
Date: 29 JUN 2019 07:20:58

Middle Channel / 5MHz / QPSK



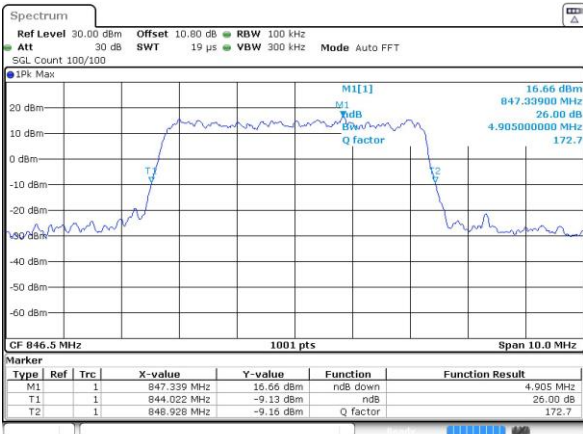
Date: 29 JUN 2019 07:22:00

Middle Channel / 5MHz / 16QAM



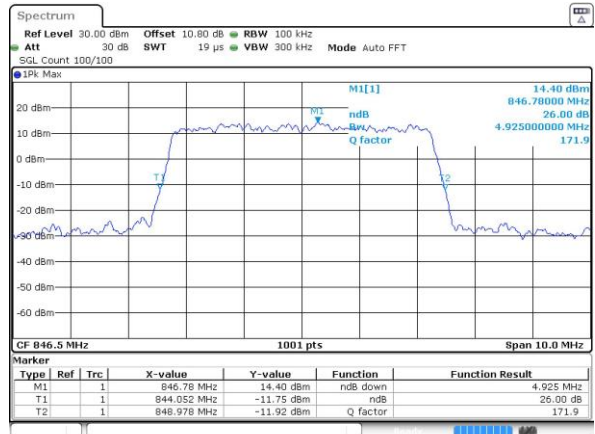
Date: 29 JUN 2019 07:21:47

Highest Channel / 5MHz / QPSK



Date: 29 JUN 2019 07:22:49

Highest Channel / 5MHz / 16QAM



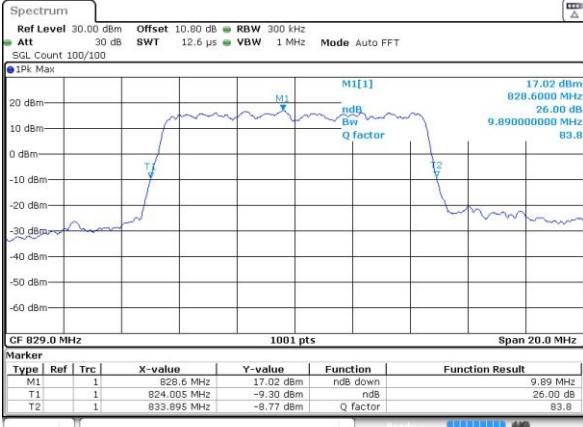
Date: 29 JUN 2019 07:22:38





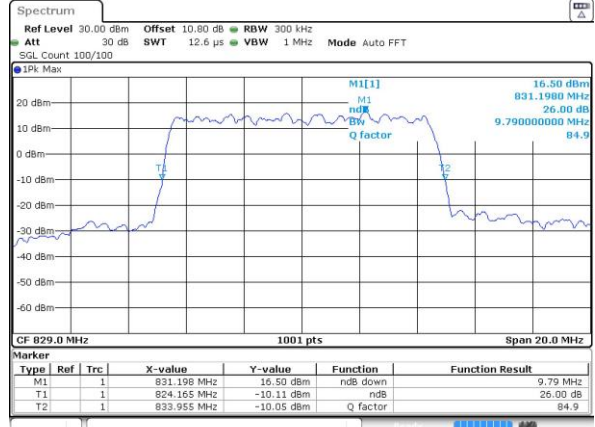
LTE Band 26

Lowest Channel / 10MHz / QPSK



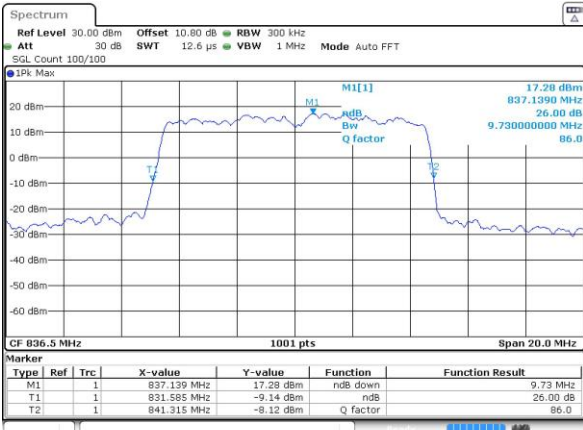
Date: 29 JUN 2019 07:23:38

Lowest Channel / 10MHz / 16QAM



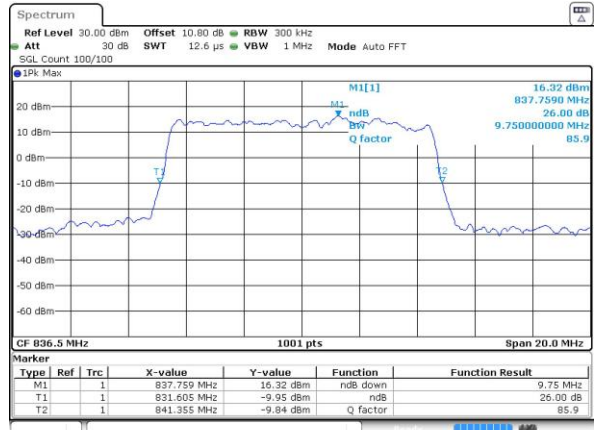
Date: 29 JUN 2019 07:23:26

Middle Channel / 10MHz / QPSK



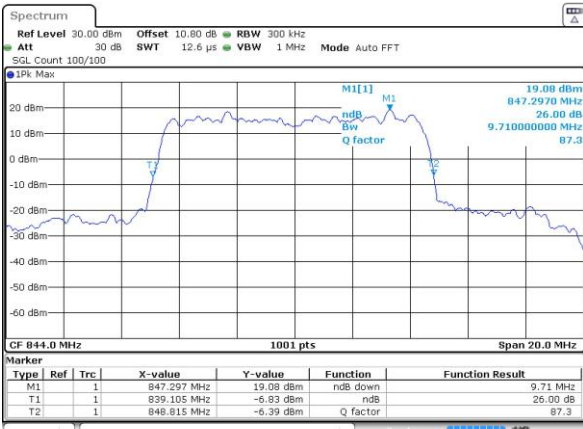
Date: 29 JUN 2019 07:24:27

Middle Channel / 10MHz / 16QAM



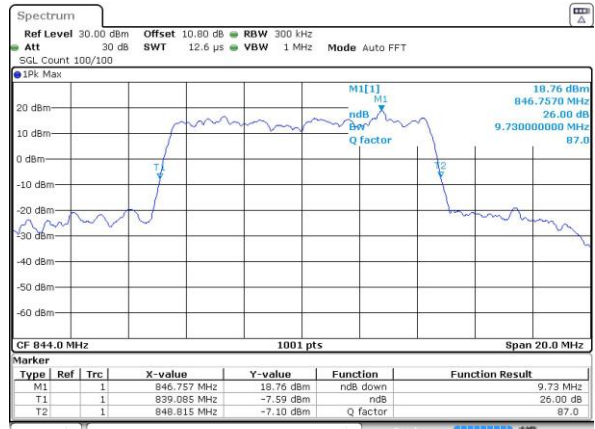
Date: 29 JUN 2019 07:24:15

Highest Channel / 10MHz / QPSK



Date: 29 JUN 2019 07:25:16

Highest Channel / 10MHz / 16QAM

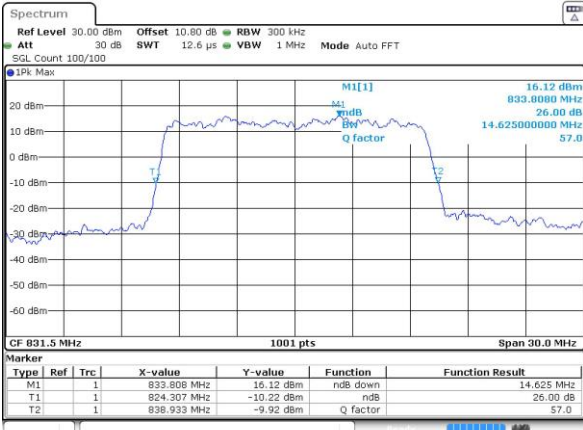


Date: 29 JUN 2019 07:25:04



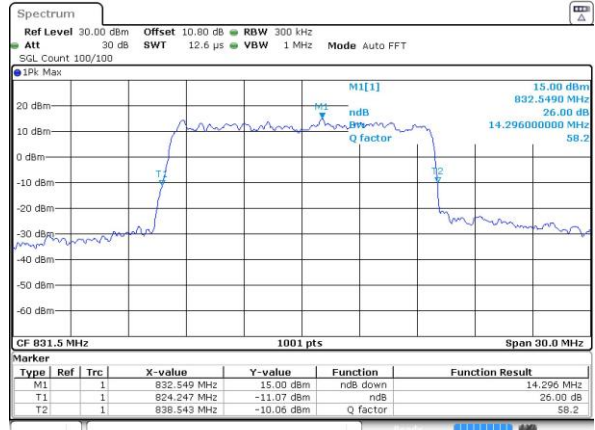
LTE Band 26

Lowest Channel / 15MHz / QPSK



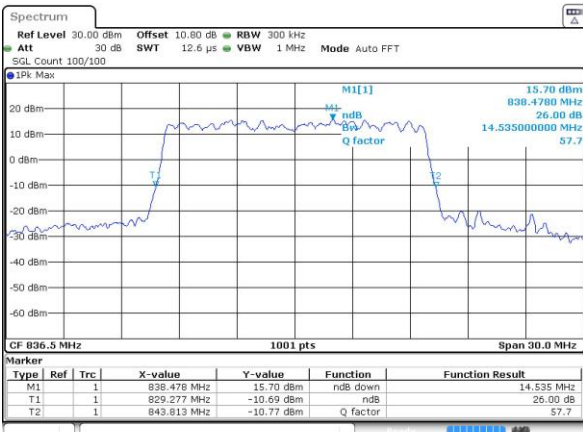
Date: 29 JUN 2019 07:26:03

Lowest Channel / 15MHz / 16QAM



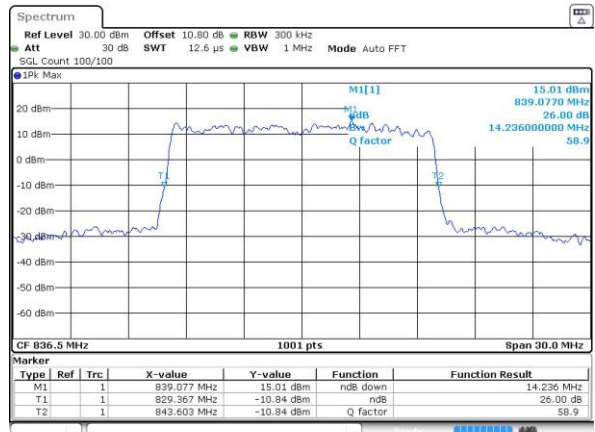
Date: 29 JUN 2019 07:25:52

Middle Channel / 15MHz / QPSK



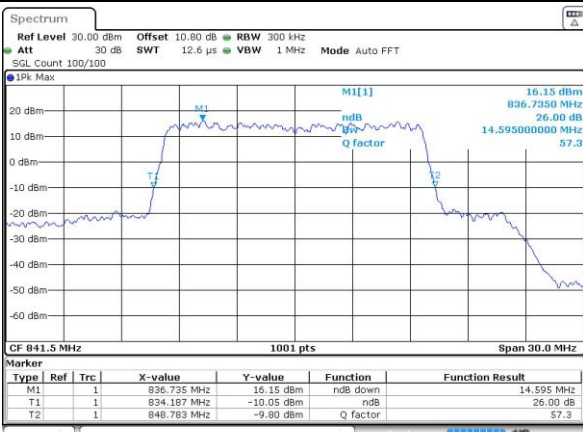
Date: 29 JUN 2019 07:26:52

Middle Channel / 15MHz / 16QAM



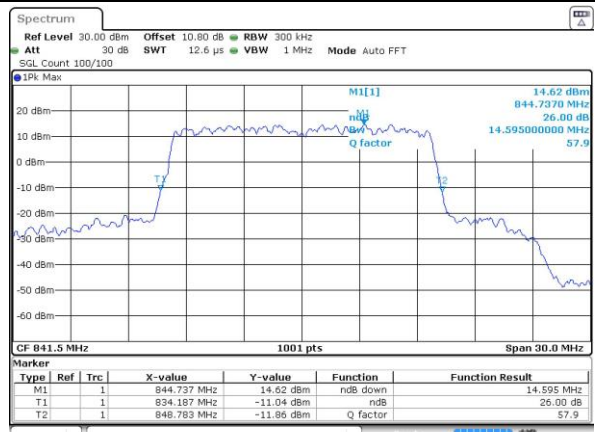
Date: 29 JUN 2019 07:26:40

Highest Channel / 15MHz / QPSK



Date: 29 JUN 2019 07:27:41

Highest Channel / 15MHz / 16QAM

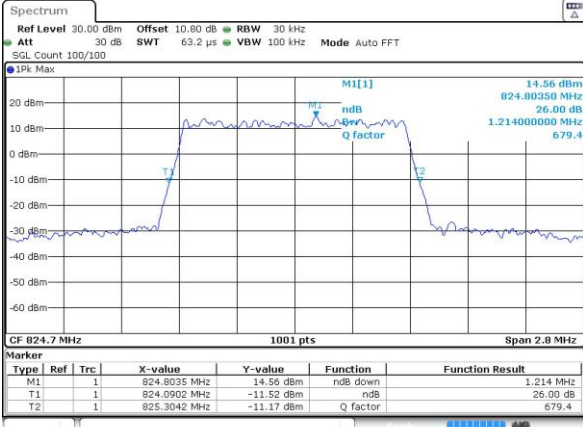


Date: 29 JUN 2019 07:27:29



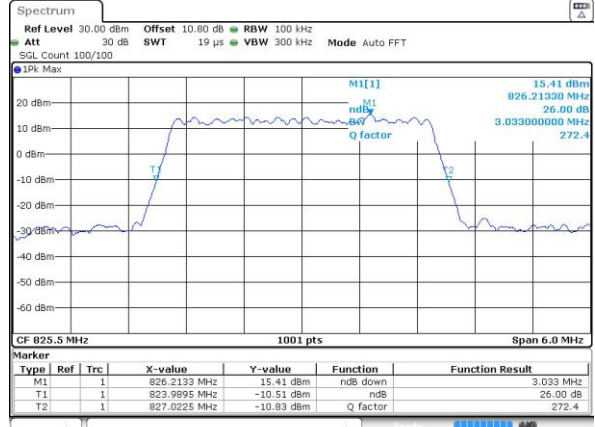
LTE Band 26

Lowest Channel / 1.4MHz / 64QAM



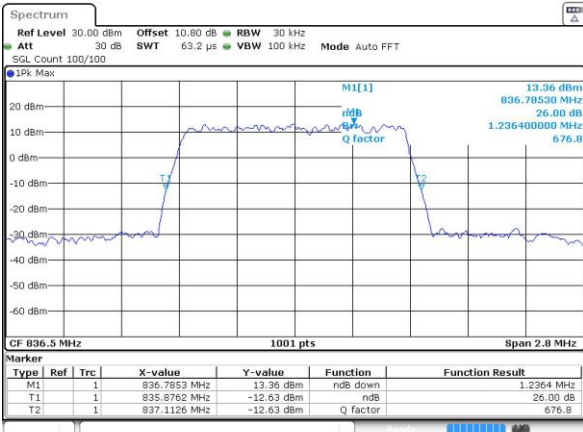
Date: 29 JUN 2019 07:07:28

Lowest Channel / 3MHz / 64QAM



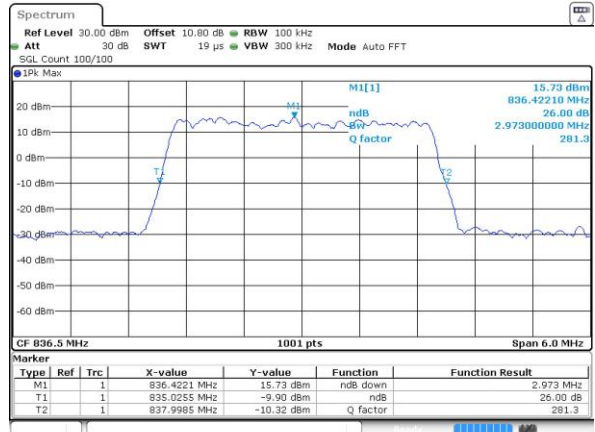
Date: 29 JUN 2019 07:13:25

Middle Channel / 1.4MHz / 64QAM



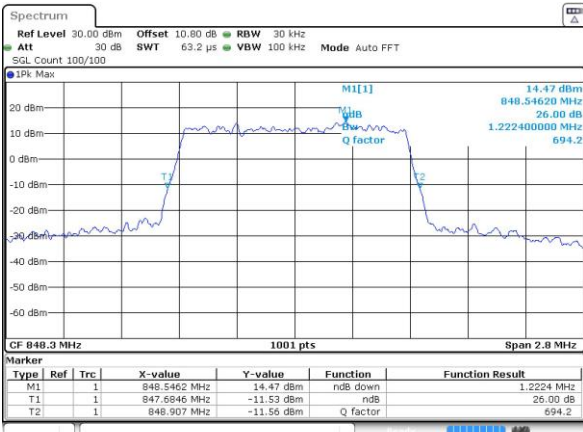
Date: 29 JUN 2019 07:07:52

Middle Channel / 3MHz / 64QAM



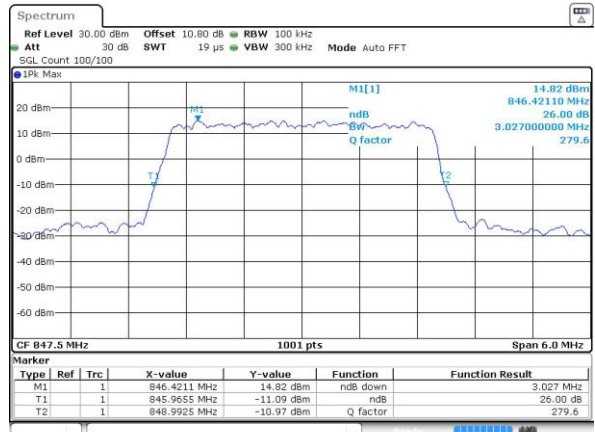
Date: 29 JUN 2019 07:13:49

Highest Channel / 1.4MHz / 64QAM



Date: 29 JUN 2019 07:08:17

Highest Channel / 3MHz / 64QAM

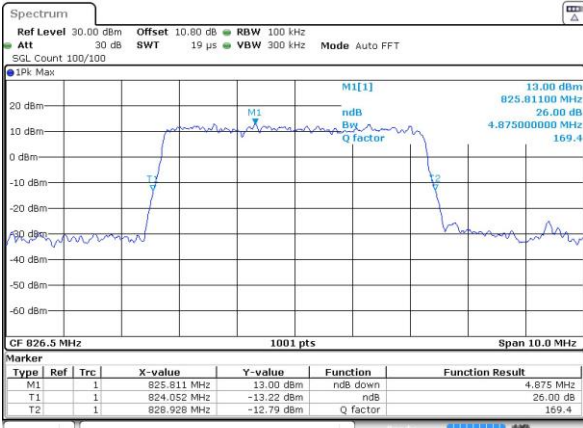


Date: 29 JUN 2019 07:14:13



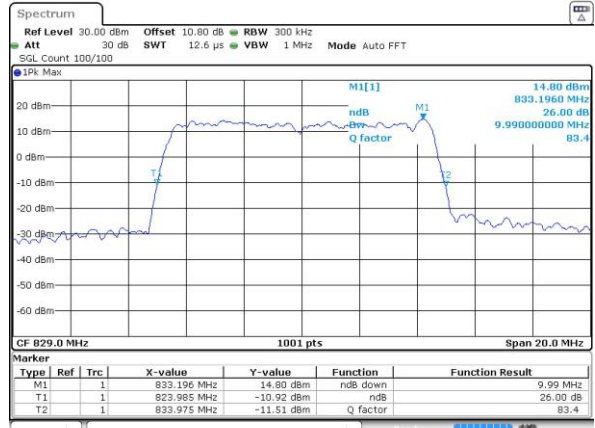
LTE Band 26

Lowest Channel / 5MHz / 64QAM



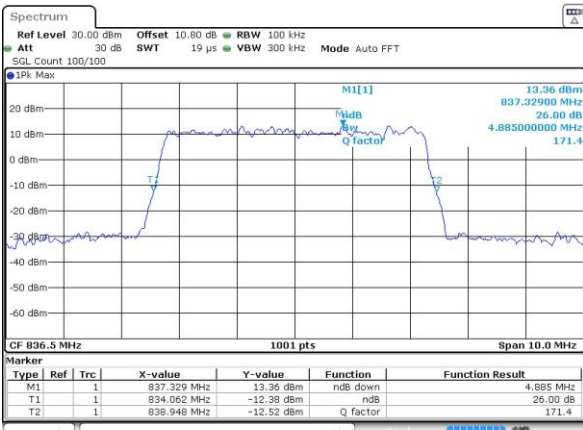
Date: 29 JUN 2019 07:14:38

Lowest Channel / 10MHz / 64QAM



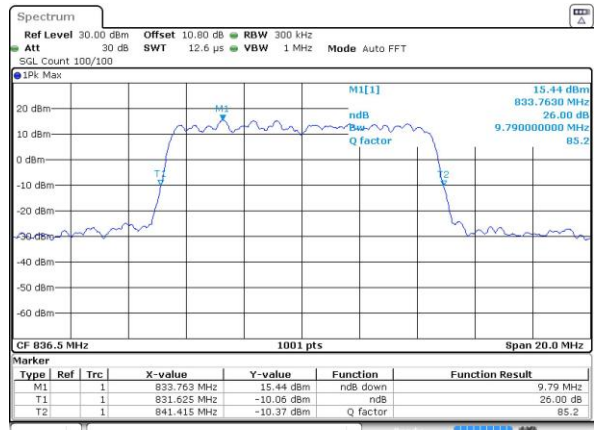
Date: 29 JUN 2019 07:15:52

Middle Channel / 5MHz / 64QAM



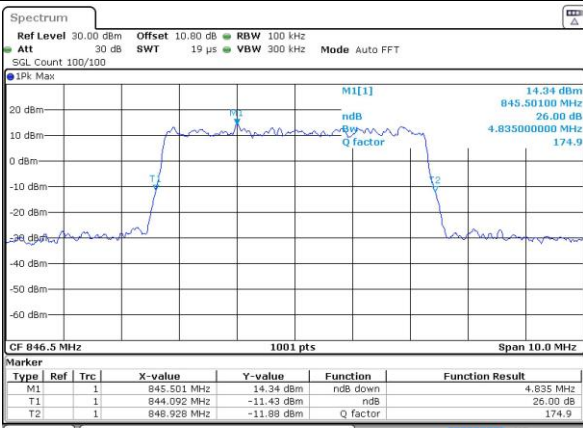
Date: 29 JUN 2019 07:15:03

Middle Channel / 10MHz / 64QAM



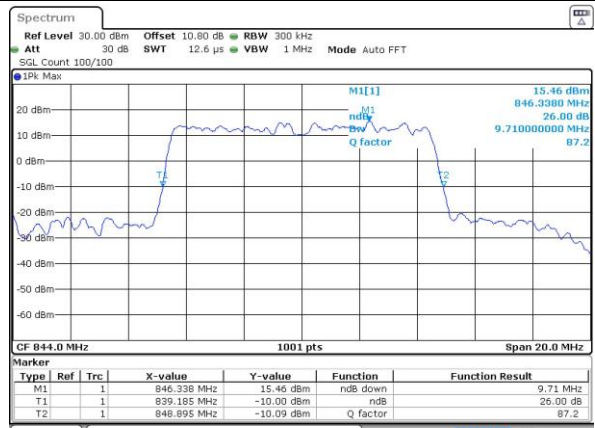
Date: 29 JUN 2019 07:16:16

Highest Channel / 5MHz / 64QAM



Date: 29 JUN 2019 07:15:27

Highest Channel / 10MHz / 64QAM

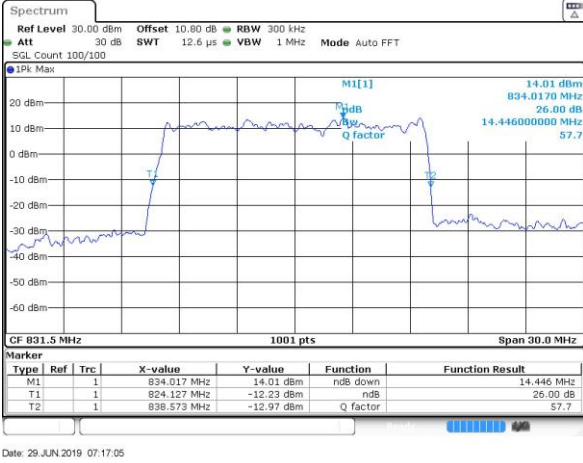


Date: 29 JUN 2019 07:16:41

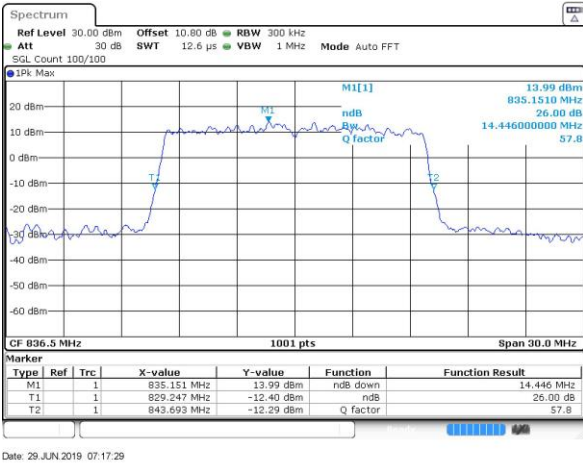


LTE Band 26

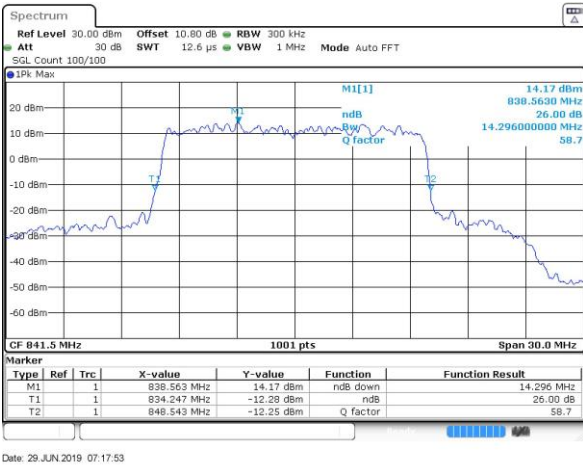
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Highest Channel / 15MHz / 64QAM





**Occupied Bandwidth**

Mode	LTE Band 26 : 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	1.09	2.71	2.72	4.49	4.48	9.03	9.01	13.37	13.43	-	-
Middle CH	1.09	1.09	2.72	2.73	4.48	4.48	9.03	9.01	13.40	13.40	-	-
Highest CH	1.09	1.09	2.72	2.71	4.49	4.49	9.01	9.03	13.46	13.49	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.50	-	9.07	-	13.40	-	-	-
Middle CH	1.08	-	2.72	-	4.51	-	9.05	-	13.46	-	-	-
Highest CH	1.10	-	2.70	-	4.49	-	9.09	-	13.46	-	-	-