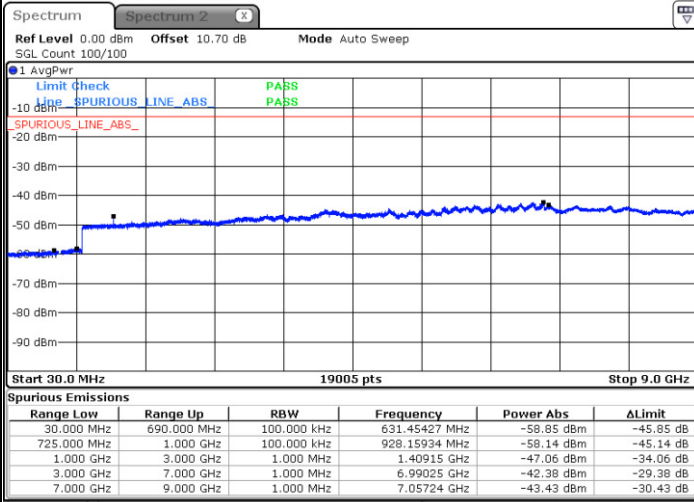




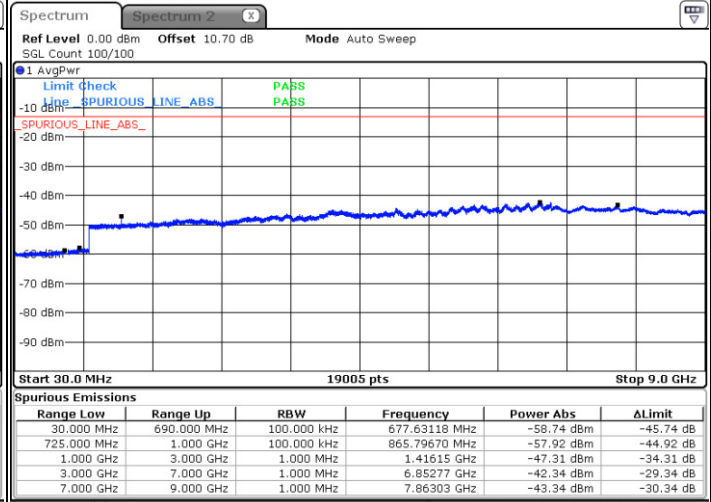
LTE Band 17 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

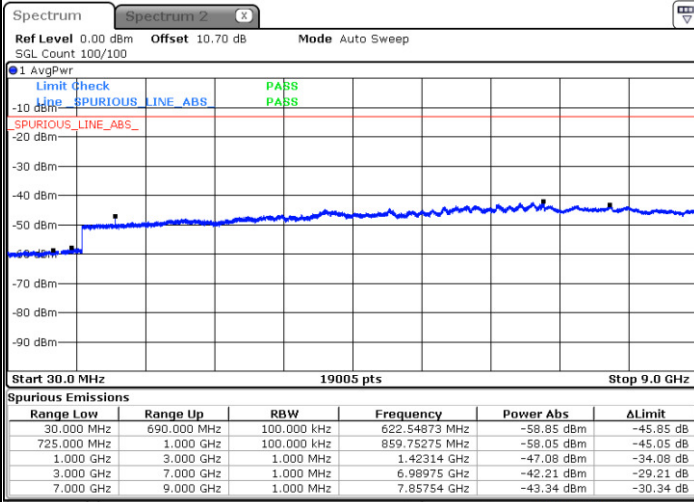


Date: 1.FEB.2018 01:24:36



Date: 1.FEB.2018 01:25:50

Highest Channel / 64QAM



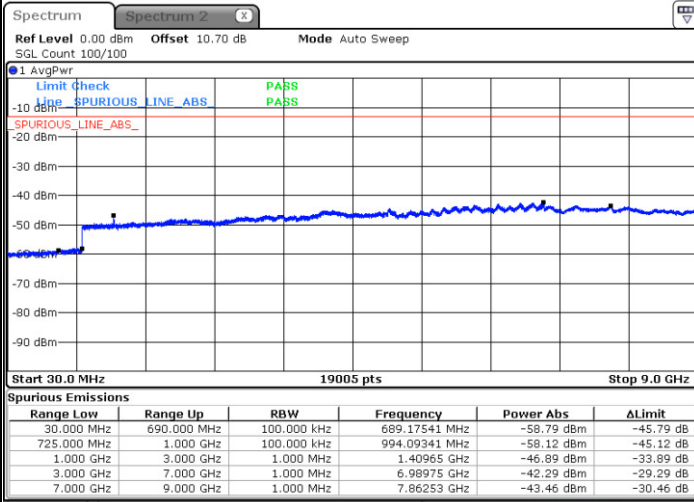
Date: 1.FEB.2018 01:29:21



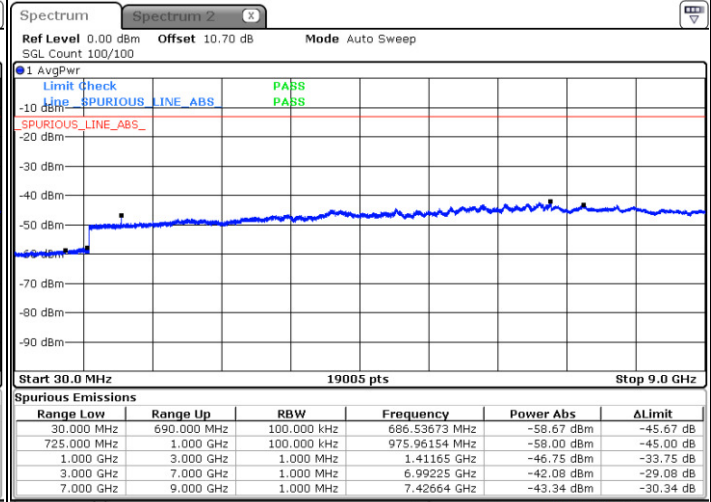
LTE Band 17 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

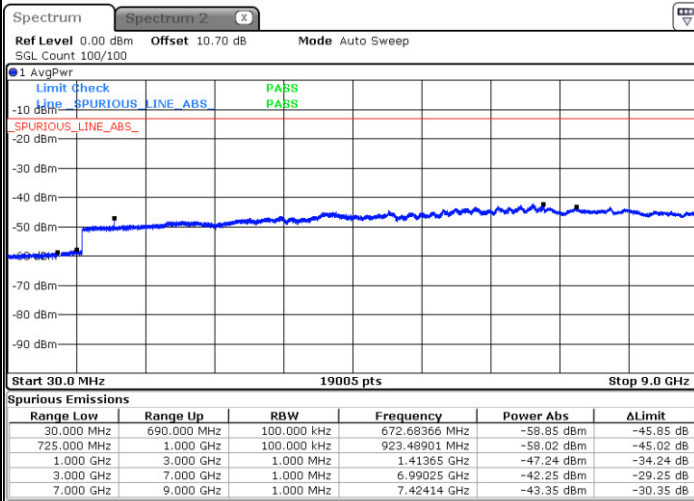


Date: 1.FEB.2018 01:32:52



Date: 1.FEB.2018 01:34:06

Highest Channel / 64QAM



Date: 1.FEB.2018 01:37:37



**Frequency Stability**

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0046	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0045	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 25

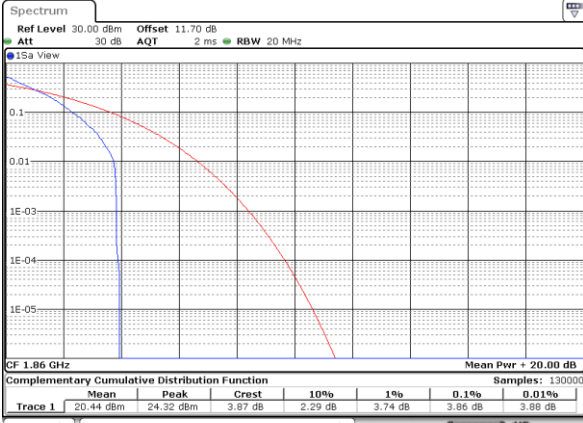
## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	4.64	4.81	5.54	PASS
Middle CH	3.97	4.49	4.9	5.54	
Highest CH	4.12	4.43	4.64	5.51	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.54	6.00	-	-	PASS
Middle CH	5.88	5.97	-	-	
Highest CH	5.54	6.03	-	-	



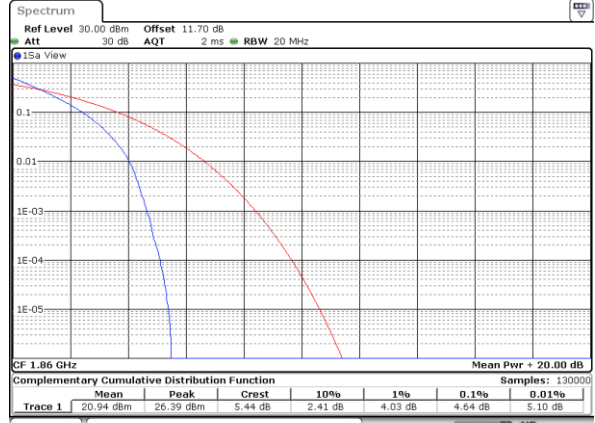
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



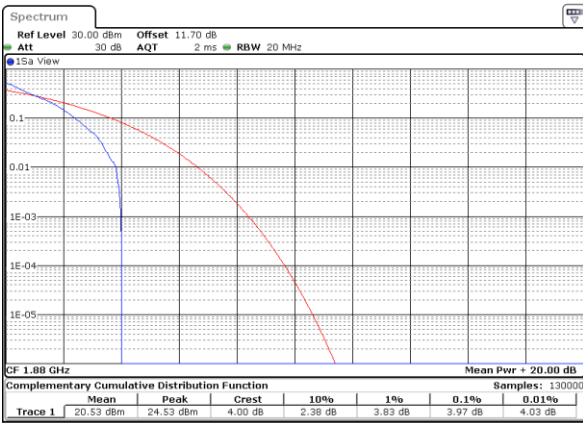
Date: 5 JAN 2018 23:14:25

Lowest Channel / Full RB



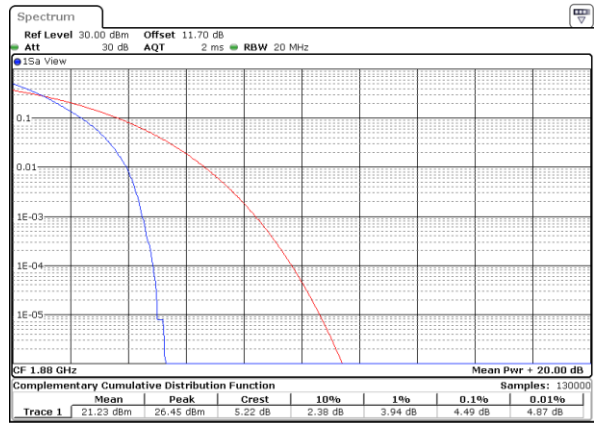
Date: 5 JAN 2018 23:17:10

Middle Channel / 1RB



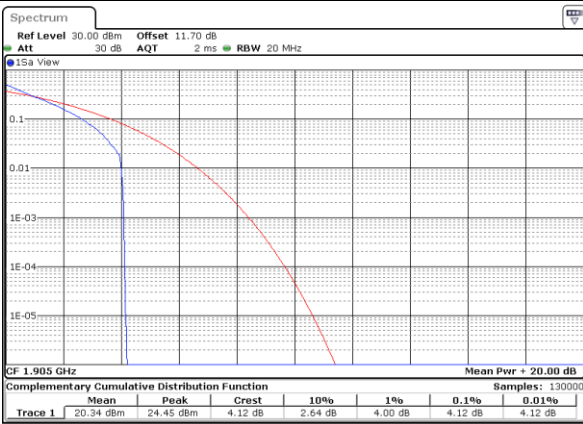
Date: 5 JAN 2018 23:20:28

Middle Channel / Full RB



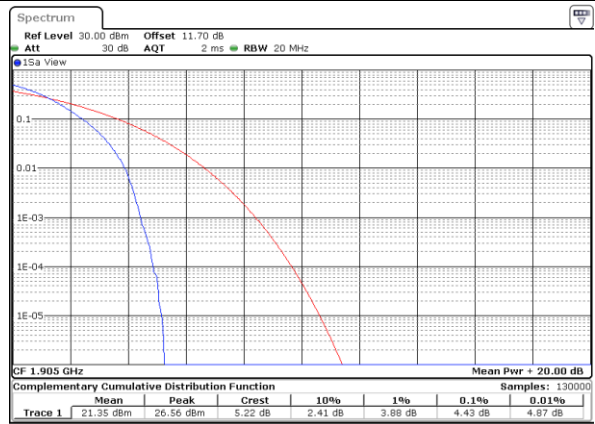
Date: 5 JAN 2018 23:27:58

Highest Channel / 1RB



Date: 5 JAN 2018 23:28:31

Highest Channel / Full RB

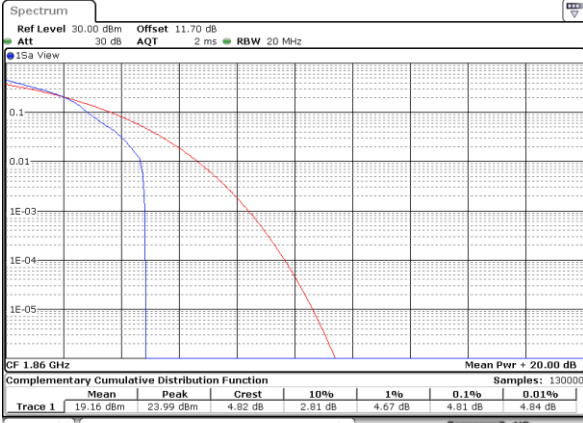


Date: 5 JAN 2018 23:28:40



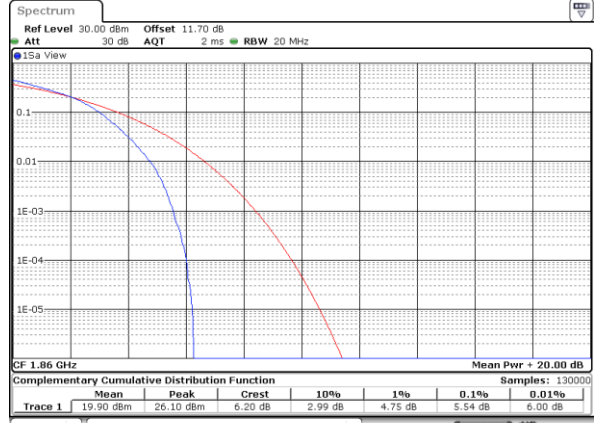
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



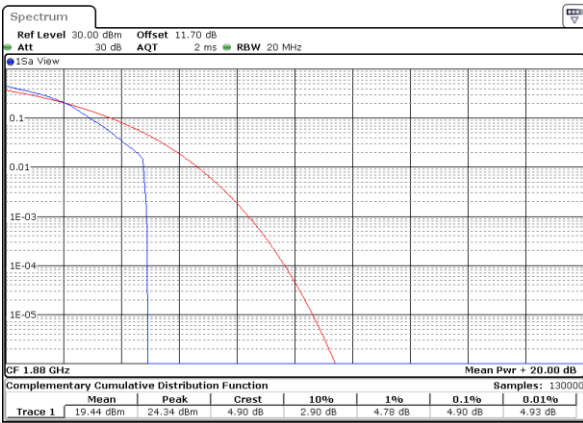
Date: 5 JAN 2018 23:12:09

Lowest Channel / Full RB



Date: 5 JAN 2018 23:12:56

Middle Channel / 1RB



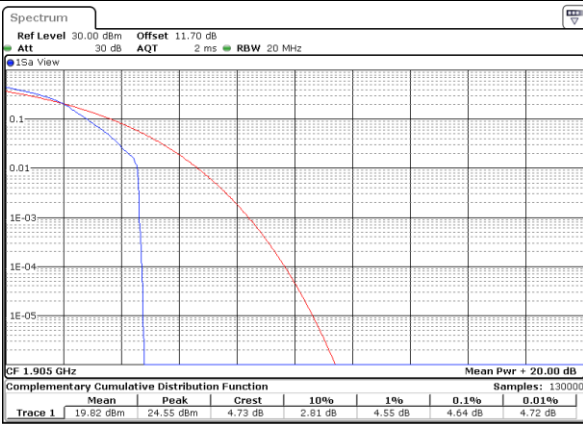
Date: 5 JAN 2018 23:17:23

Middle Channel / Full RB



Date: 5 JAN 2018 23:20:11

Highest Channel / 1RB



Date: 5 JAN 2018 23:28:10

Highest Channel / Full RB

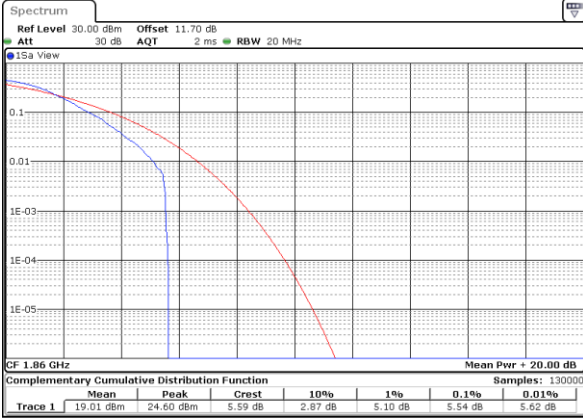


Date: 5 JAN 2018 23:28:20



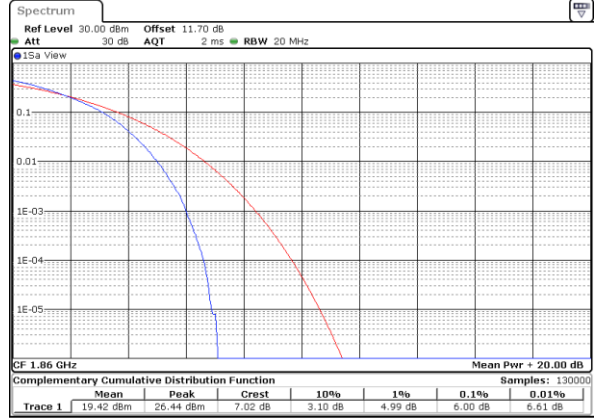
LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



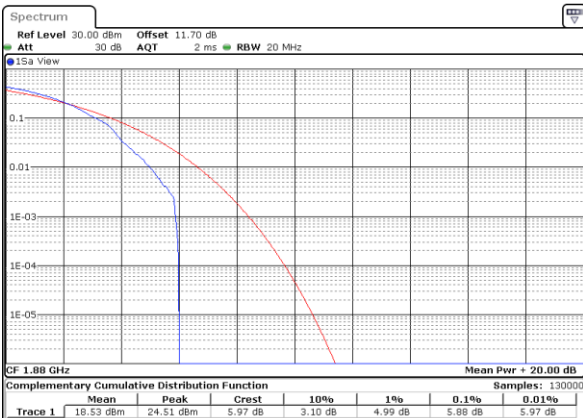
Date: 31 JAN 2018 23:23:10

Lowest Channel / Full RB



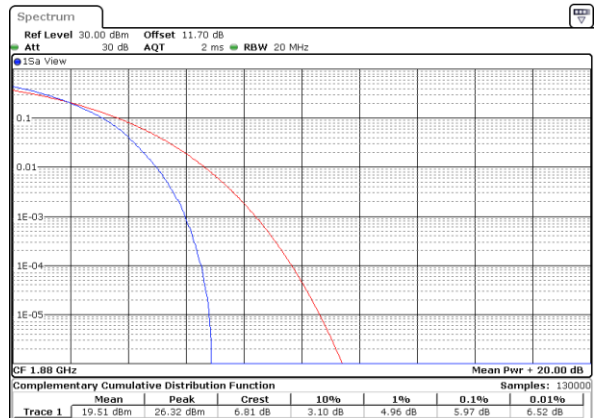
Date: 31 JAN 2018 23:23:19

Middle Channel / 1RB



Date: 31 JAN 2018 23:23:31

Middle Channel / Full RB



Date: 31 JAN 2018 23:23:40

Highest Channel / 1RB



Date: 31 JAN 2018 23:23:49

Highest Channel / Full RB



Date: 31 JAN 2018 23:23:58



**26dB Bandwidth**

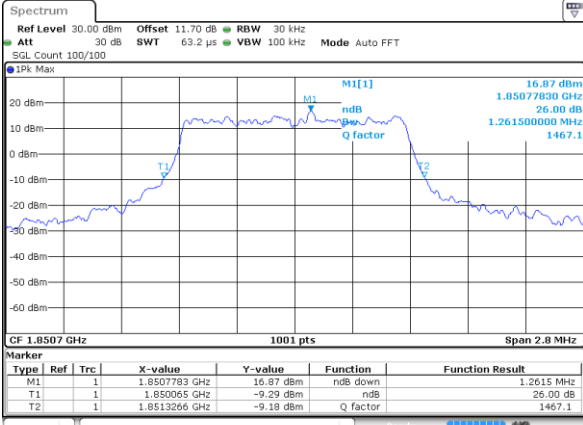
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.26	3.02	2.99	4.91	4.97	9.71	9.87	14.48	14.33	20.14	20.14
Middle CH	1.26	1.29	2.99	3.02	4.98	4.92	9.81	9.85	14.21	14.54	20.18	20.26
Highest CH	1.30	1.33	3.02	2.98	4.88	4.90	9.77	9.63	14.42	14.39	20.18	20.06
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.31	-	2.97	-	4.97	-	9.65	-	14.57	-	20.14	-
Middle CH	1.28	-	2.99	-	4.93	-	9.65	-	14.51	-	20.18	-
Highest CH	1.29	-	3.00	-	4.92	-	9.73	-	14.18	-	19.98	-





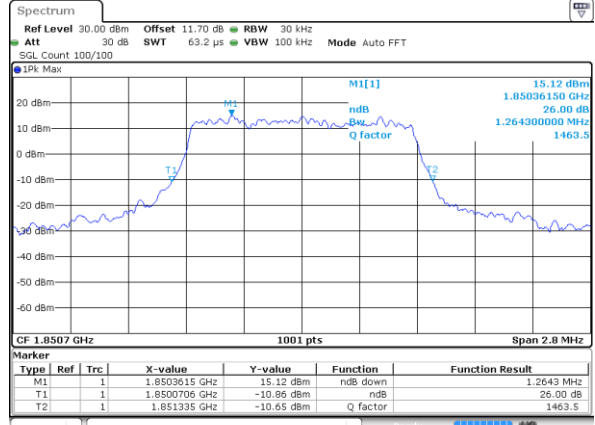
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



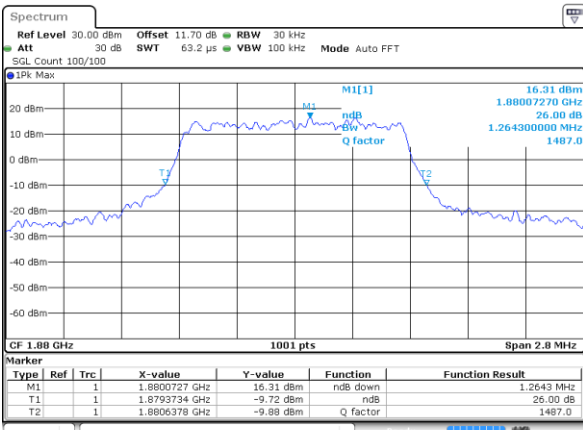
Date: 5 JAN 2018 22:37:01

Lowest Channel / 1.4MHz / 16QAM



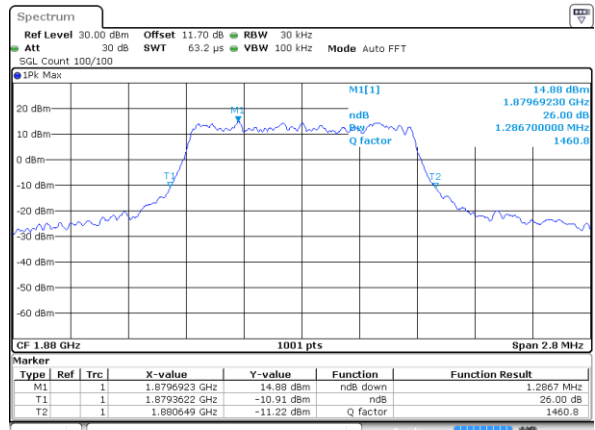
Date: 5 JAN 2018 22:37:11

Middle Channel / 1.4MHz / QPSK



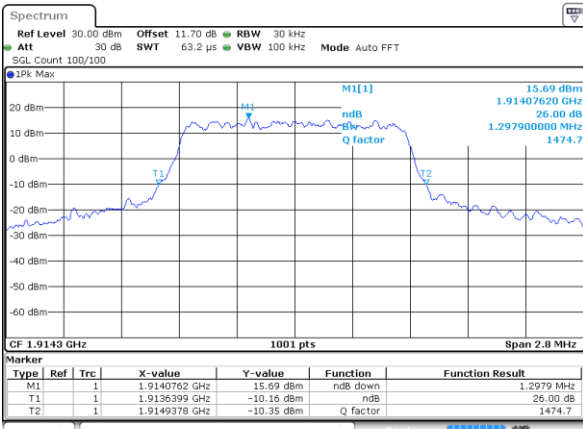
Date: 5 JAN 2018 23:02:19

Middle Channel / 1.4MHz / 16QAM



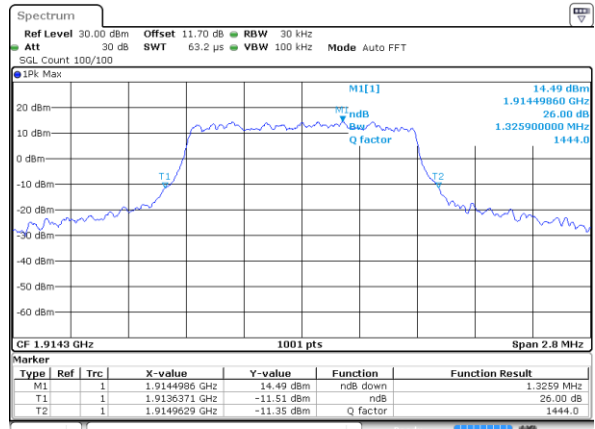
Date: 5 JAN 2018 23:02:29

Highest Channel / 1.4MHz / QPSK



Date: 5 JAN 2018 23:04:58

Highest Channel / 1.4MHz / 16QAM

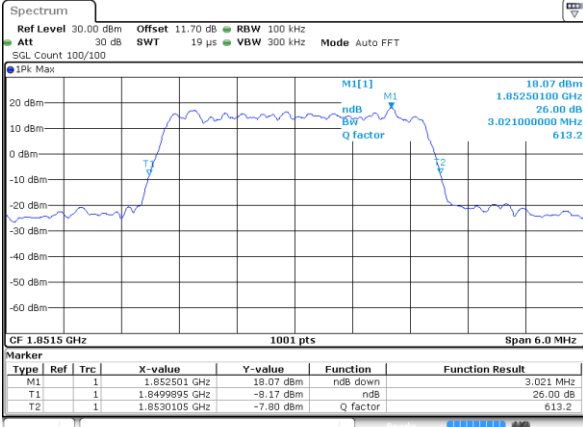


Date: 5 JAN 2018 23:04:48



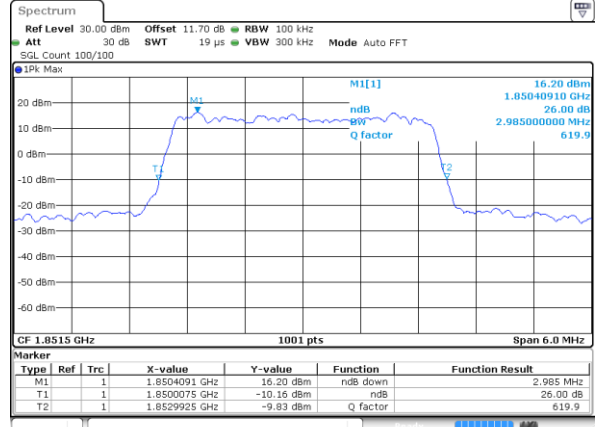
LTE Band 25

Lowest Channel / 3MHz / QPSK



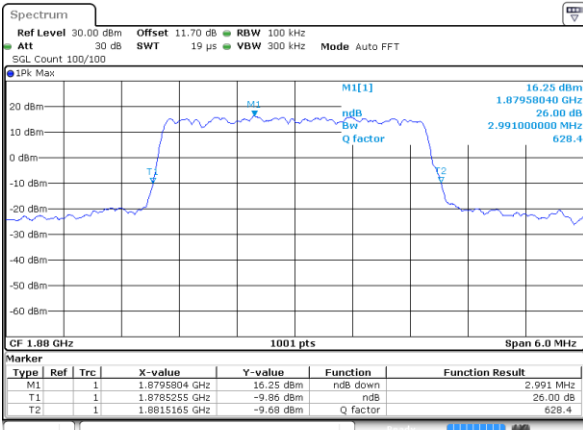
Date: 5 JAN 2018 21:08:30

Lowest Channel / 3MHz / 16QAM



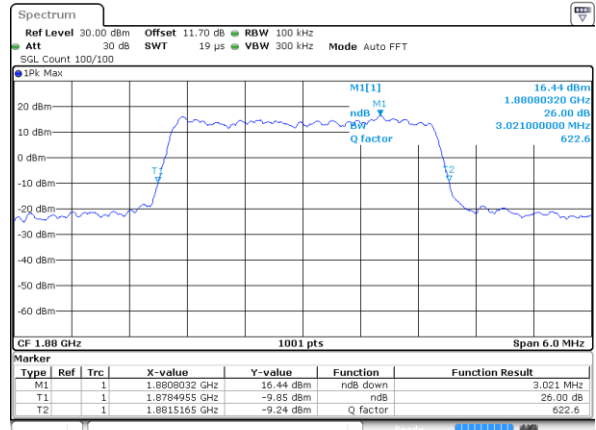
Date: 5 JAN 2018 21:08:40

Middle Channel / 3MHz / QPSK



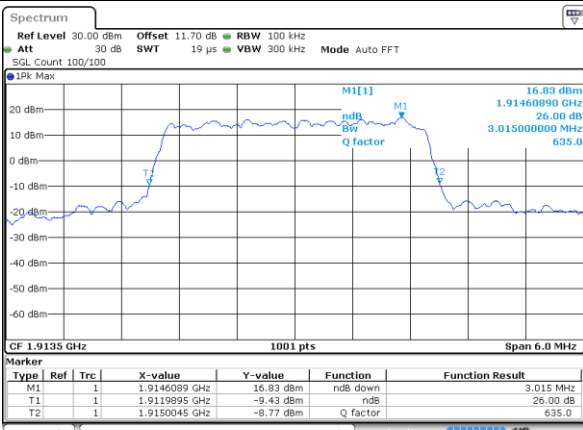
Date: 5 JAN 2018 21:15:33

Middle Channel / 3MHz / 16QAM



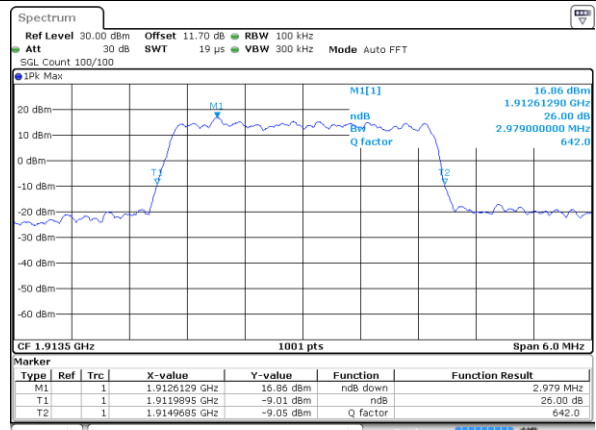
Date: 5 JAN 2018 21:15:43

Highest Channel / 3MHz / QPSK



Date: 5 JAN 2018 21:18:11

Highest Channel / 3MHz / 16QAM

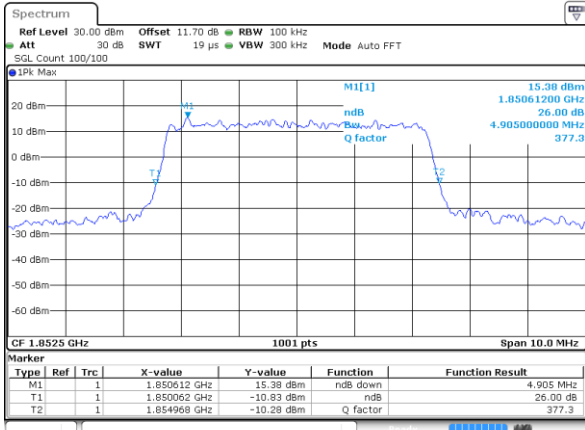


Date: 5 JAN 2018 21:18:01



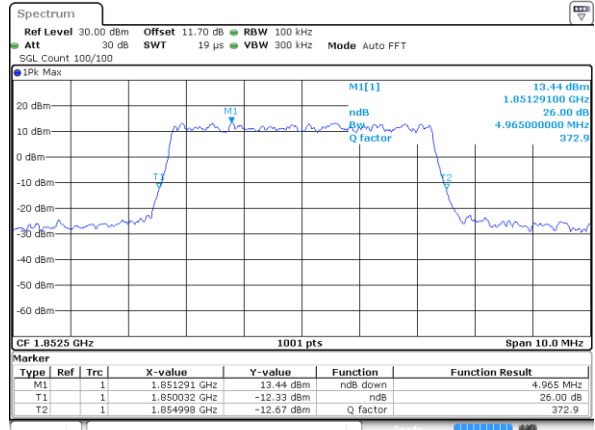
LTE Band 25

Lowest Channel / 5MHz / QPSK



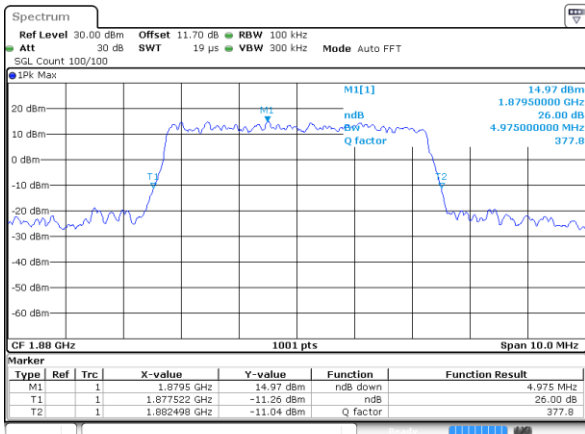
Date: 5 JAN 2018 21:25:04

Lowest Channel / 5MHz / 16QAM



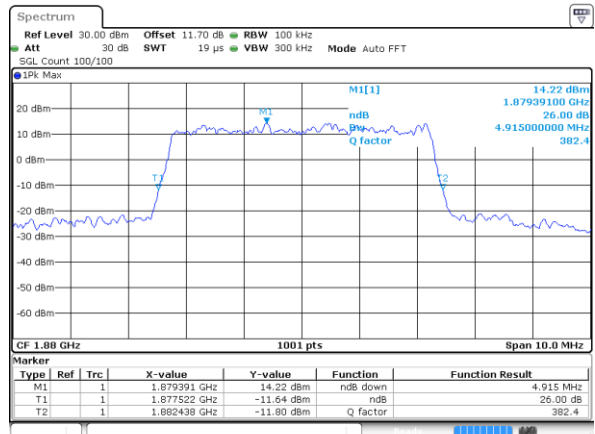
Date: 5 JAN 2018 21:25:14

Middle Channel / 5MHz / QPSK



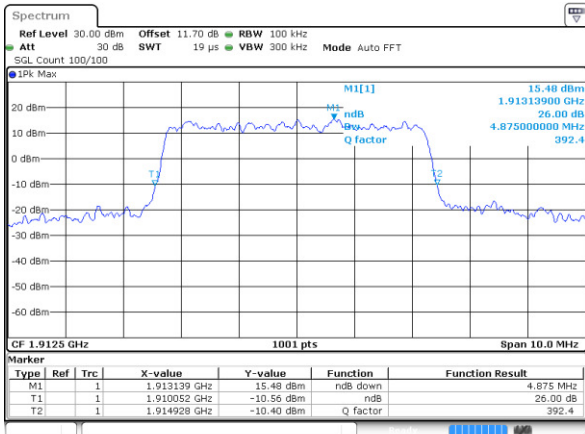
Date: 5 JAN 2018 21:32:08

Middle Channel / 5MHz / 16QAM



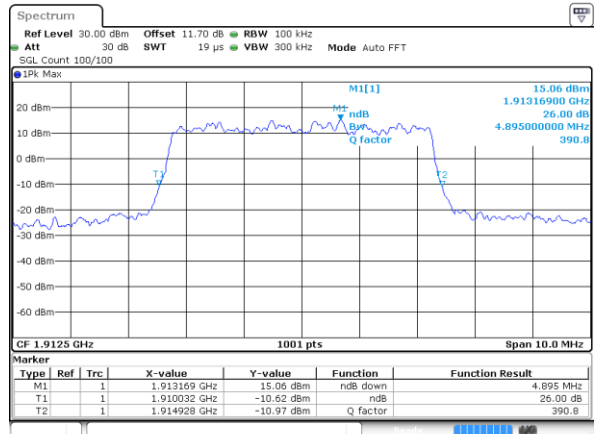
Date: 5 JAN 2018 21:32:18

Highest Channel / 5MHz / QPSK



Date: 5 JAN 2018 21:34:46

Highest Channel / 5MHz / 16QAM

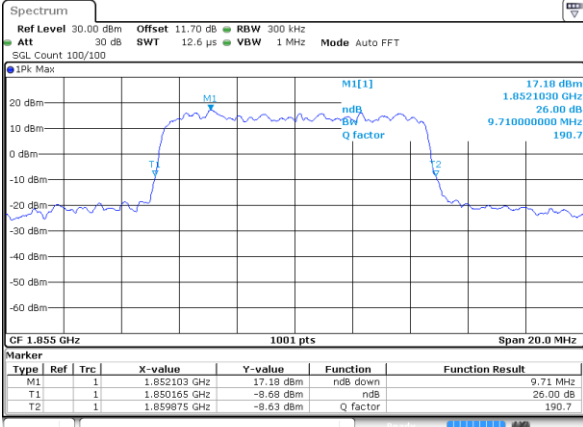


Date: 5 JAN 2018 21:34:36



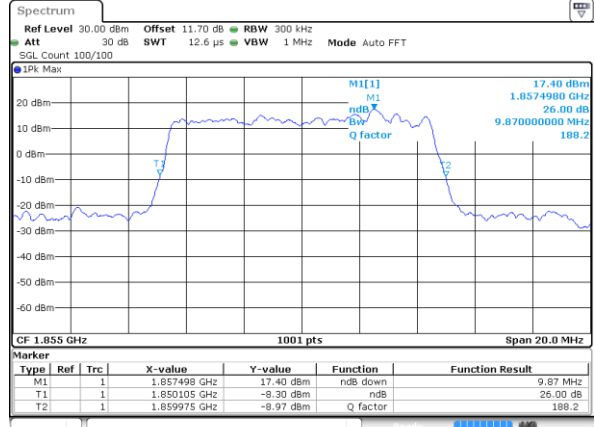
LTE Band 25

Lowest Channel / 10MHz / QPSK



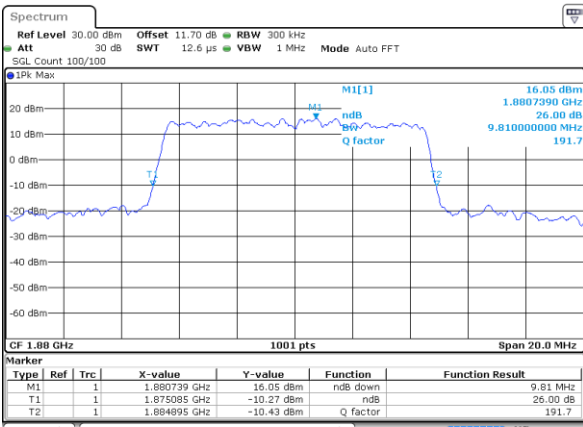
Date: 5 JAN 2018 21:41:39

Lowest Channel / 10MHz / 16QAM



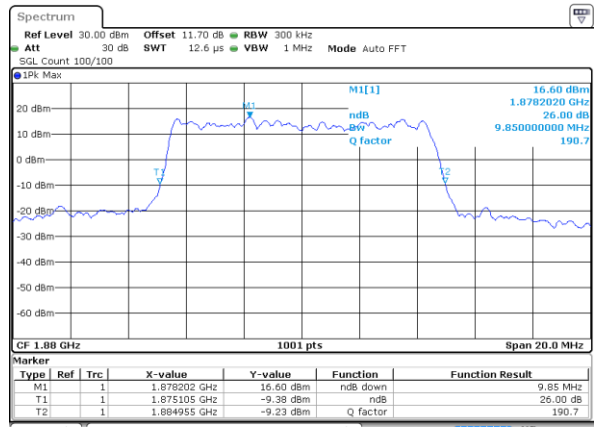
Date: 5 JAN 2018 21:41:49

Middle Channel / 10MHz / QPSK



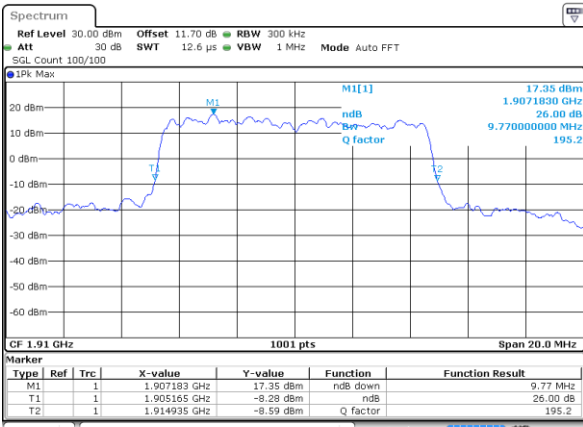
Date: 5 JAN 2018 21:48:42

Middle Channel / 10MHz / 16QAM



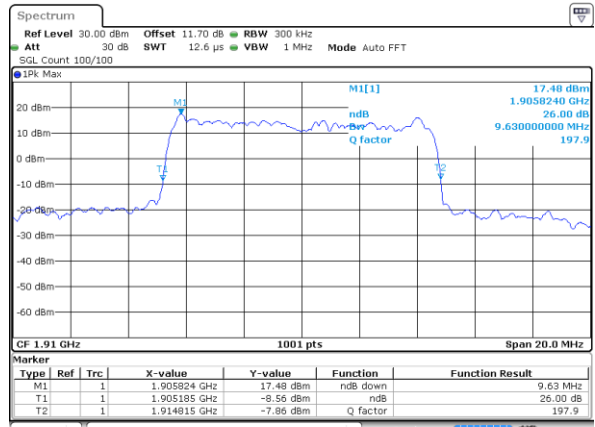
Date: 5 JAN 2018 21:48:52

Highest Channel / 10MHz / QPSK



Date: 5 JAN 2018 21:51:20

Highest Channel / 10MHz / 16QAM

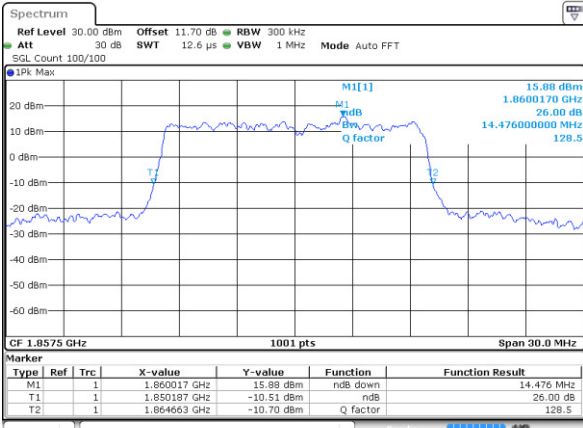


Date: 5 JAN 2018 21:51:10



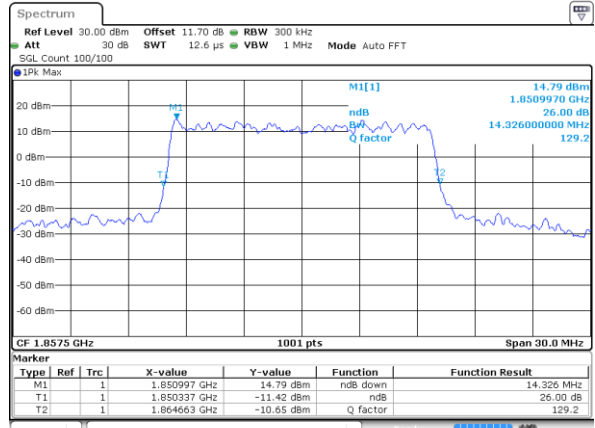
LTE Band 25

Lowest Channel / 15MHz / QPSK



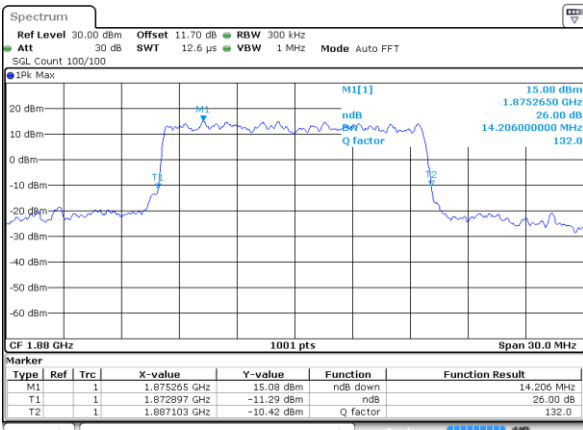
Date: 5 JAN 2018 21:58:14

Lowest Channel / 15MHz / 16QAM



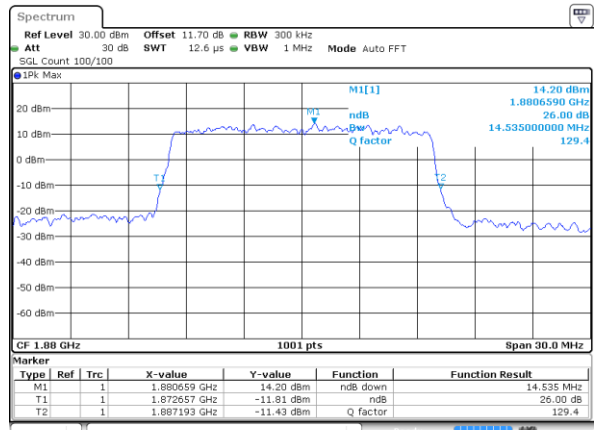
Date: 5 JAN 2018 21:58:24

Middle Channel / 15MHz / QPSK



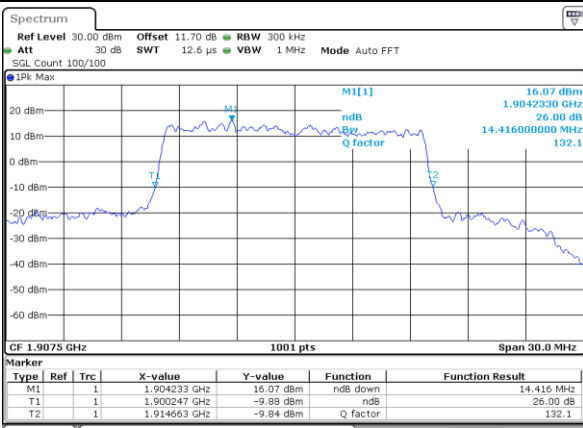
Date: 5 JAN 2018 22:05:17

Middle Channel / 15MHz / 16QAM



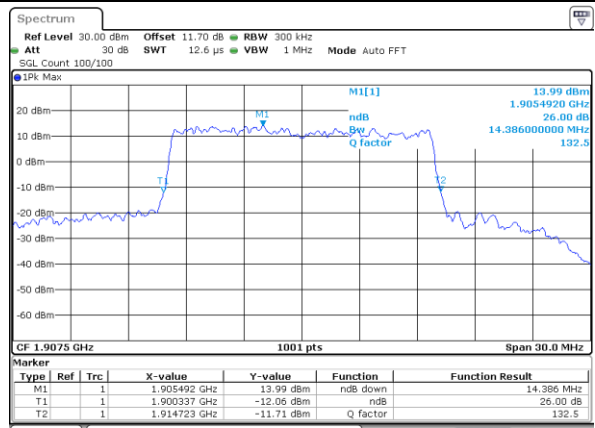
Date: 5 JAN 2018 22:05:27

Highest Channel / 15MHz / QPSK



Date: 5 JAN 2018 22:07:55

Highest Channel / 15MHz / 16QAM

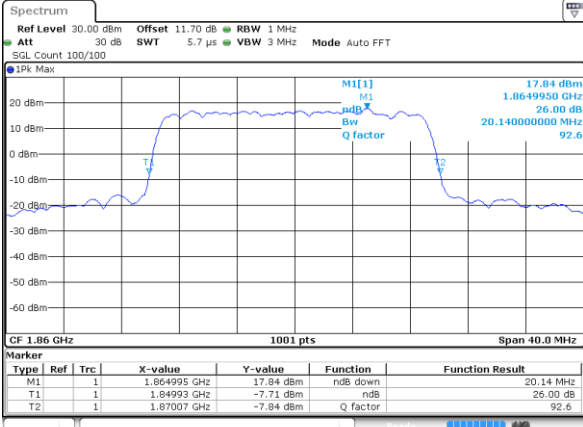


Date: 5 JAN 2018 22:07:45



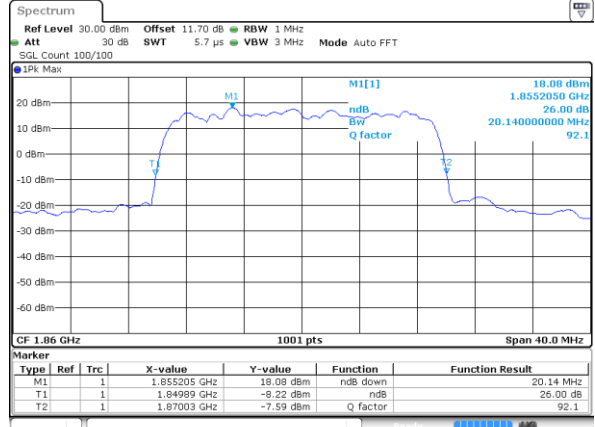
LTE Band 25

Lowest Channel / 20MHz / QPSK



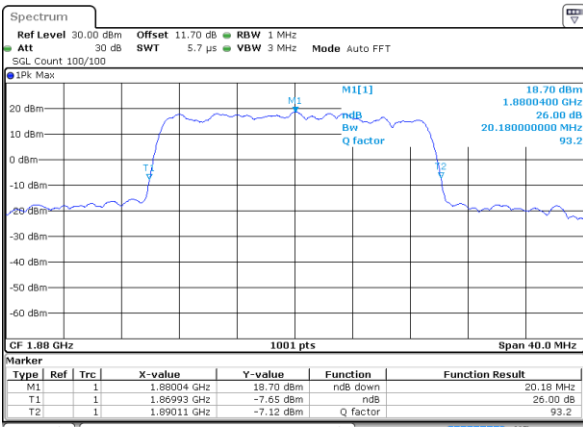
Date: 5 JAN 2018 22:14:48

Lowest Channel / 20MHz / 16QAM



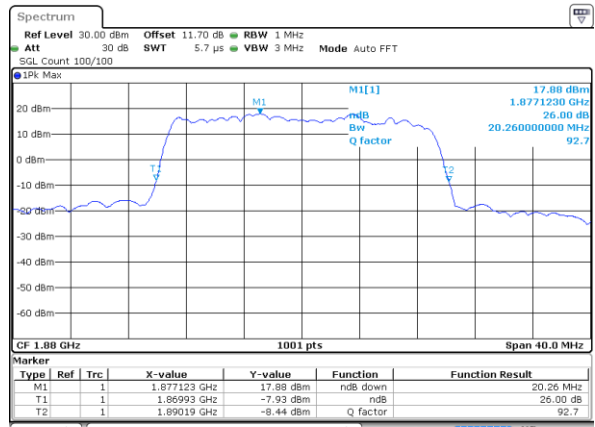
Date: 5 JAN 2018 22:14:58

Middle Channel / 20MHz / QPSK



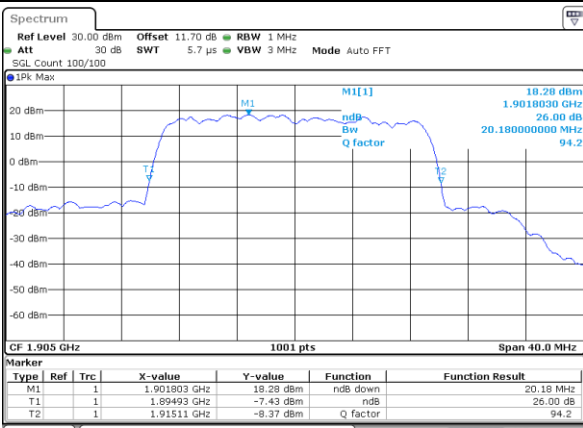
Date: 5 JAN 2018 22:21:51

Middle Channel / 20MHz / 16QAM



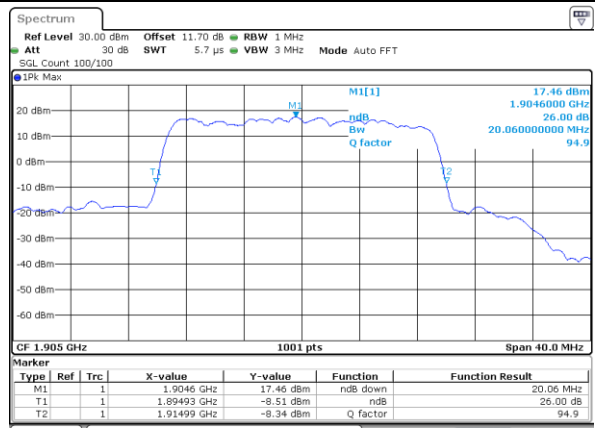
Date: 5 JAN 2018 22:22:01

Highest Channel / 20MHz / QPSK



Date: 5 JAN 2018 22:30:08

Highest Channel / 20MHz / 16QAM

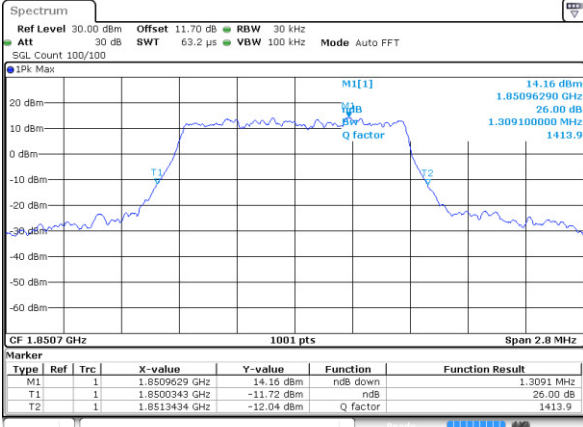


Date: 5 JAN 2018 22:29:58



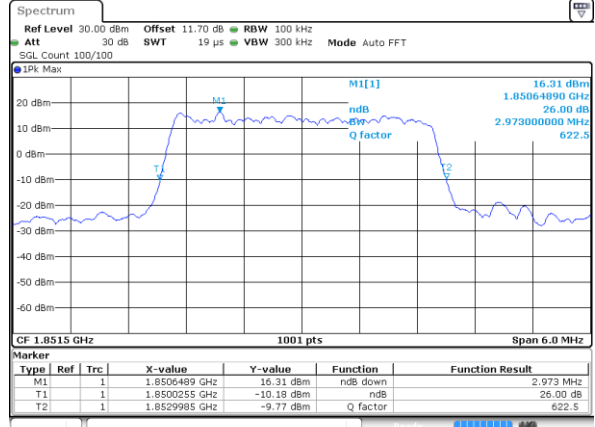
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



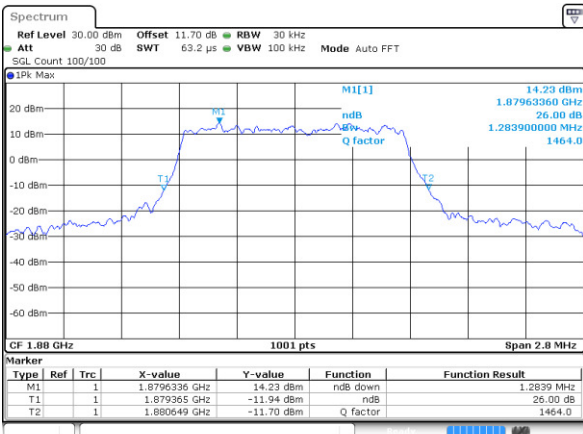
Date: 31 JAN 2018 22:50:04

Lowest Channel / 3MHz / 64QAM



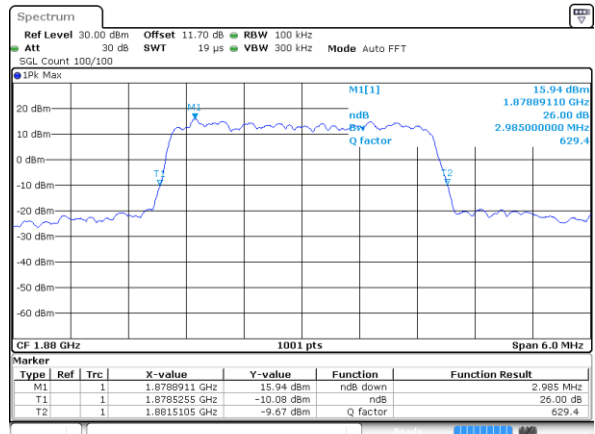
Date: 31 JAN 2018 23:28:38

Middle Channel / 1.4MHz / 64QAM



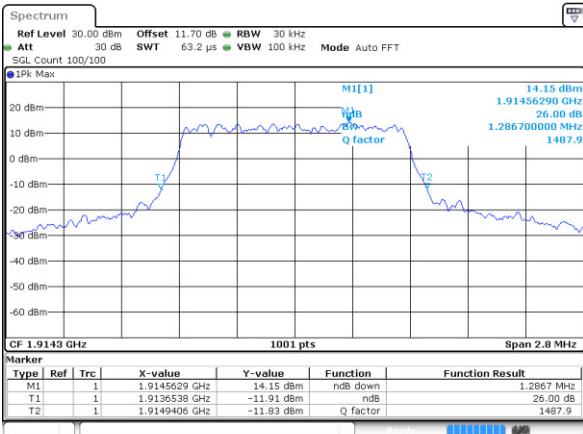
Date: 31 JAN 2018 22:53:35

Middle Channel / 3MHz / 64QAM



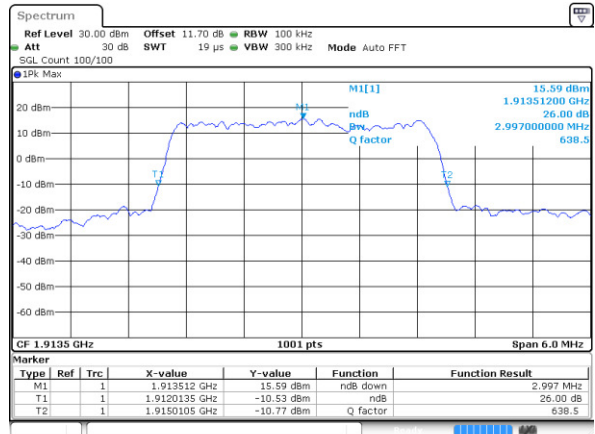
Date: 31 JAN 2018 23:32:10

Highest Channel / 1.4MHz / 64QAM



Date: 31 JAN 2018 22:54:49

Highest Channel / 3MHz / 64QAM

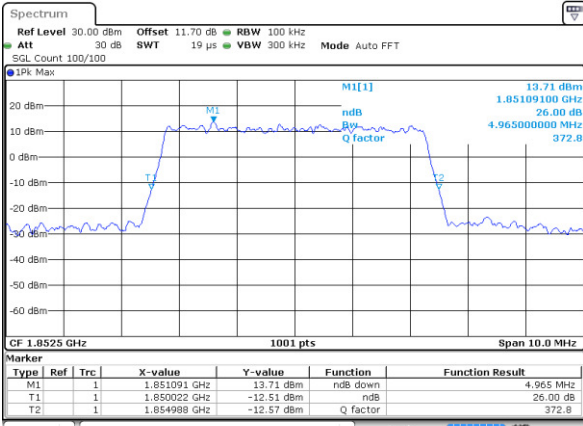


Date: 31 JAN 2018 23:33:24



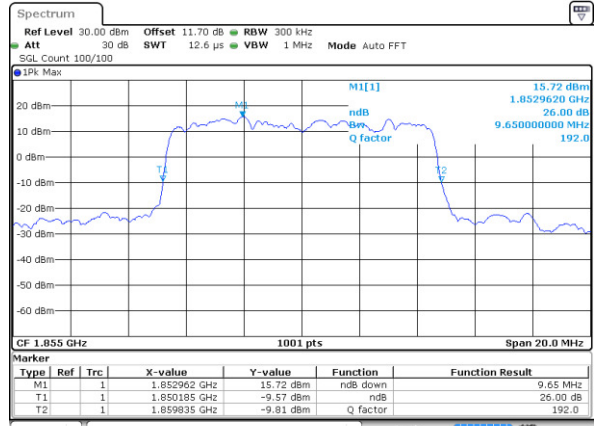
LTE Band 25

Lowest Channel / 5MHz / 64QAM



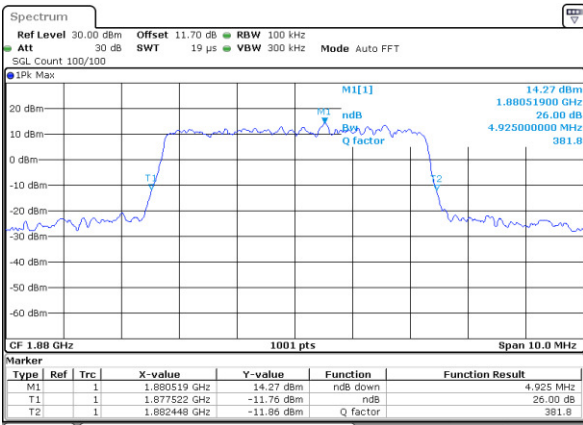
Date: 31 JAN 2018 23:36:56

Lowest Channel / 10MHz / 64QAM



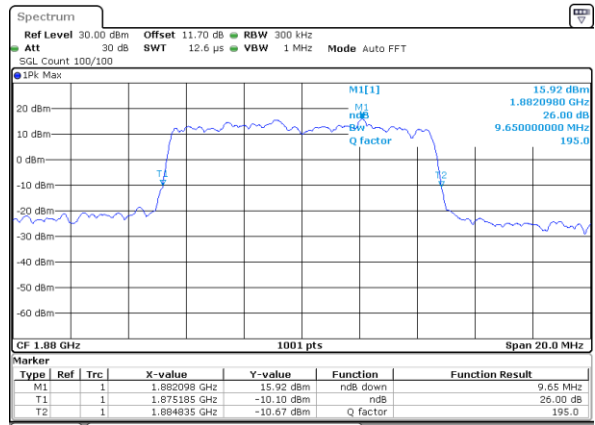
Date: 31 JAN 2018 23:45:13

Middle Channel / 5MHz / 64QAM



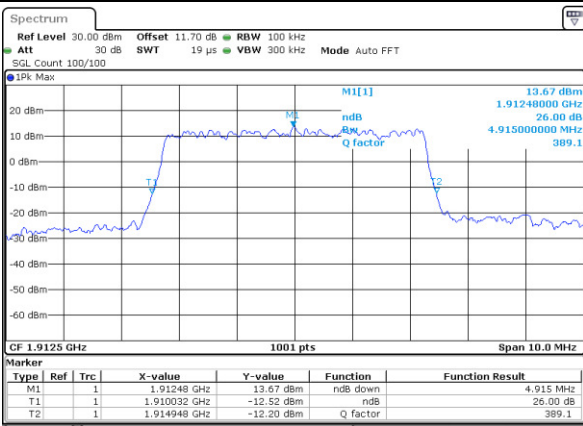
Date: 31 JAN 2018 23:40:27

Middle Channel / 10MHz / 64QAM



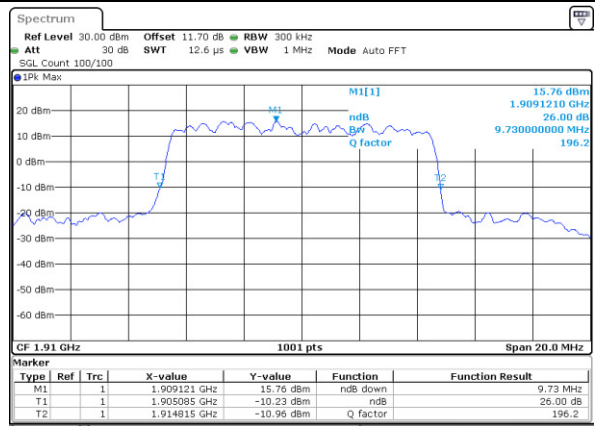
Date: 31 JAN 2018 22:28:43

Highest Channel / 5MHz / 64QAM



Date: 31 JAN 2018 23:41:41

Highest Channel / 10MHz / 64QAM



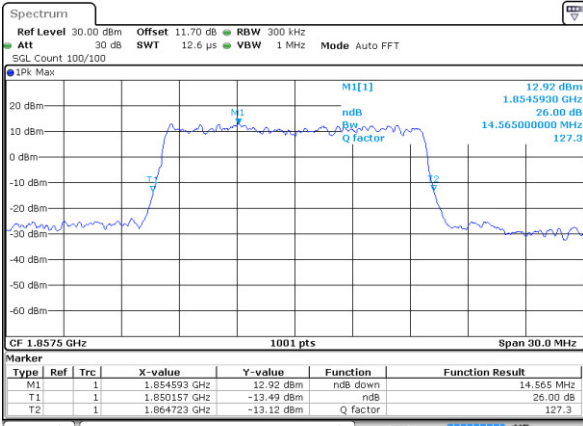
Date: 31 JAN 2018 22:29:57





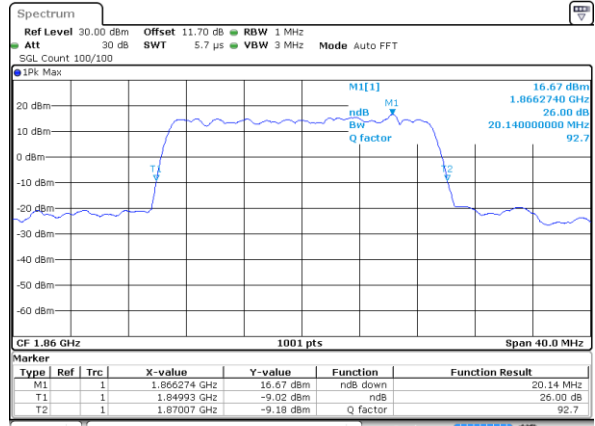
LTE Band 25

Lowest Channel / 15MHz / 64QAM



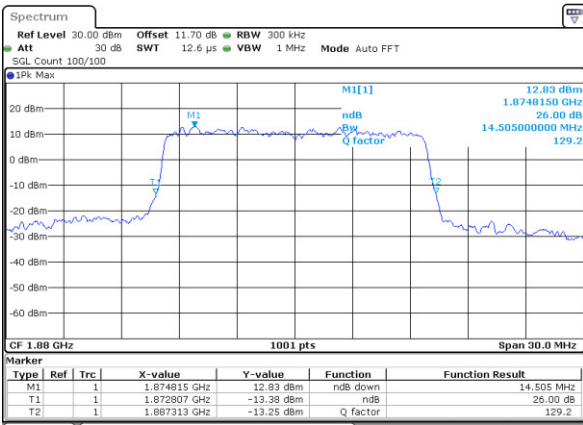
Date: 31 JAN 2018 22:33:29

Lowest Channel / 20MHz / 64QAM



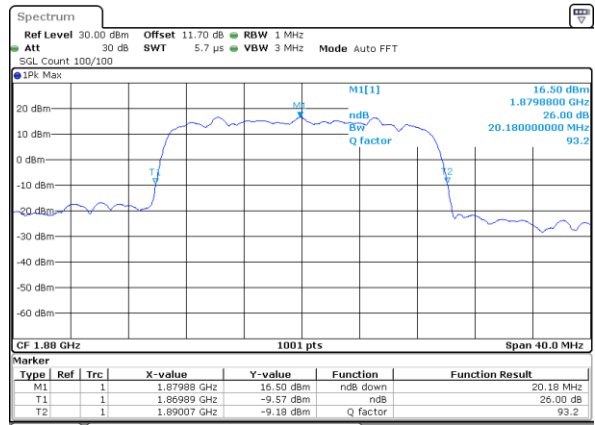
Date: 31 JAN 2018 22:41:46

Middle Channel / 15MHz / 64QAM



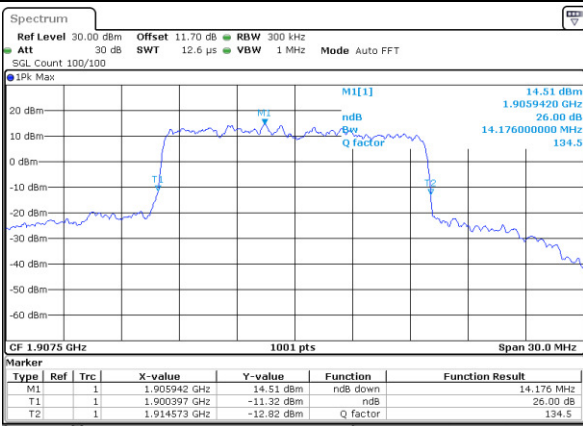
Date: 31 JAN 2018 22:37:01

Middle Channel / 20MHz / 64QAM



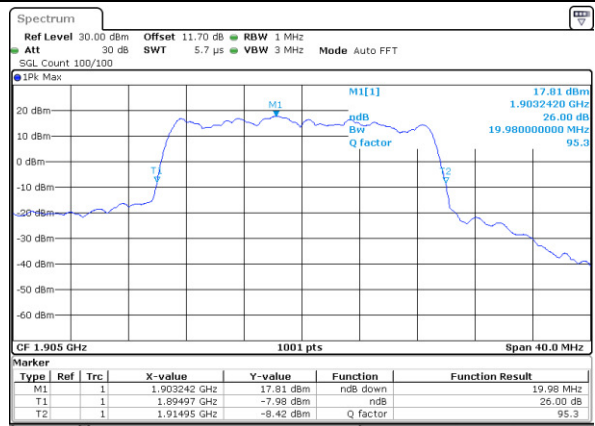
Date: 31 JAN 2018 22:45:18

Highest Channel / 15MHz / 64QAM



Date: 31 JAN 2018 22:38:15

Highest Channel / 20MHz / 64QAM



Date: 31 JAN 2018 22:46:32



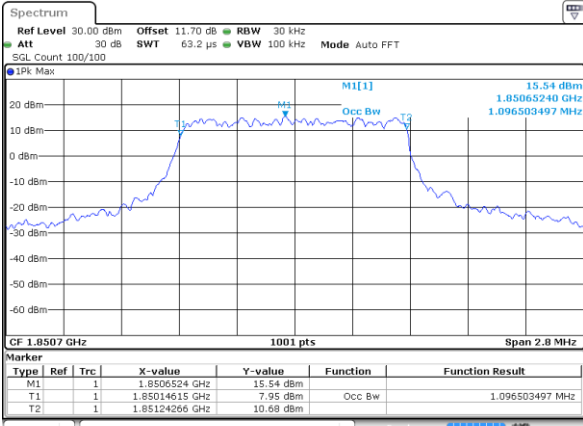
**Occupied Bandwidth**

Mode	LTE Band 25 : 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	1.1	1.1	2.72	2.72	4.48	4.48	9.03	9.01	13.43	13.46	18.58	18.74
Middle CH	1.09	1.1	2.71	2.72	4.49	4.5	8.99	9.01	13.43	13.43	18.26	18.42
Highest CH	1.09	1.09	2.72	2.74	4.51	4.48	9.03	9.01	13.46	13.43	18.3	18.26
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.10	-	2.73	-	4.49	-	9.03	-	13.52	-	18.46	-
Middle CH	1.10	-	2.73	-	4.50	-	9.05	-	13.43	-	18.38	-
Highest CH	1.09	-	2.73	-	4.49	-	9.03	-	13.40	-	18.14	-



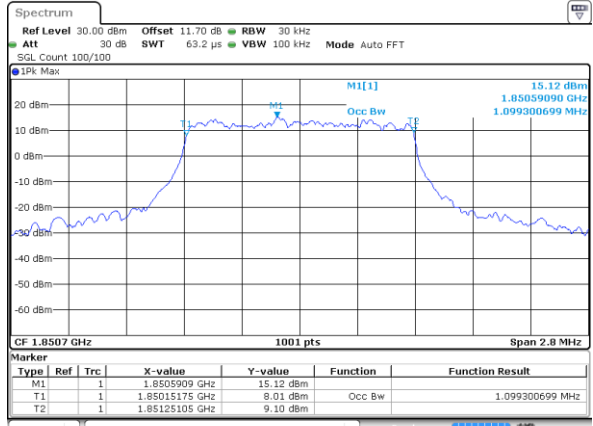
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



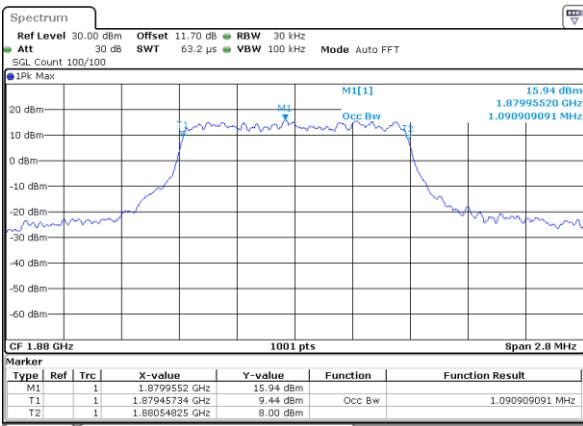
Date: 5 JAN 2018 22:36:41

Lowest Channel / 1.4MHz / 16QAM



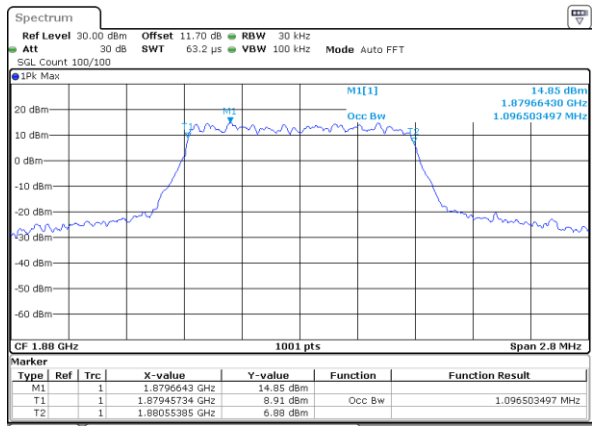
Date: 5 JAN 2018 22:36:51

Middle Channel / 1.4MHz / QPSK



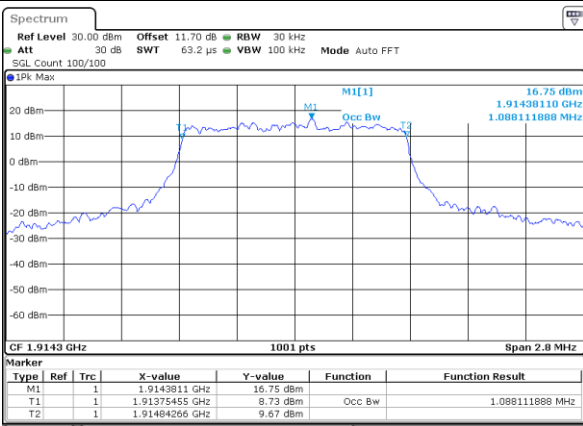
Date: 5 JAN 2018 23:01:59

Middle Channel / 1.4MHz / 16QAM



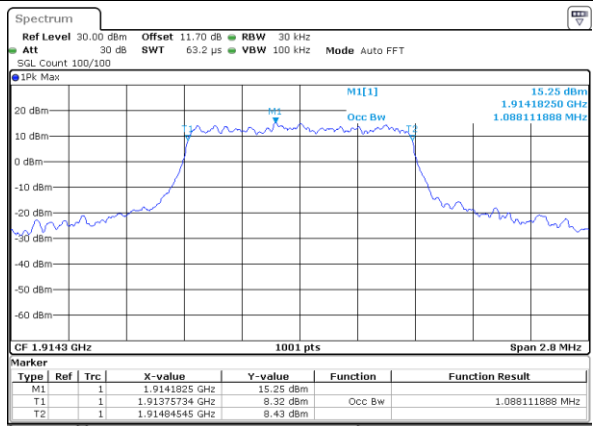
Date: 5 JAN 2018 23:02:09

Highest Channel / 1.4MHz / QPSK



Date: 5 JAN 2018 23:04:28

Highest Channel / 1.4MHz / 16QAM

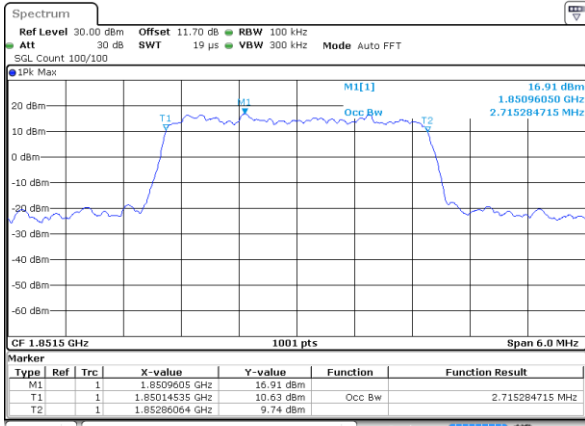


Date: 5 JAN 2018 23:04:38



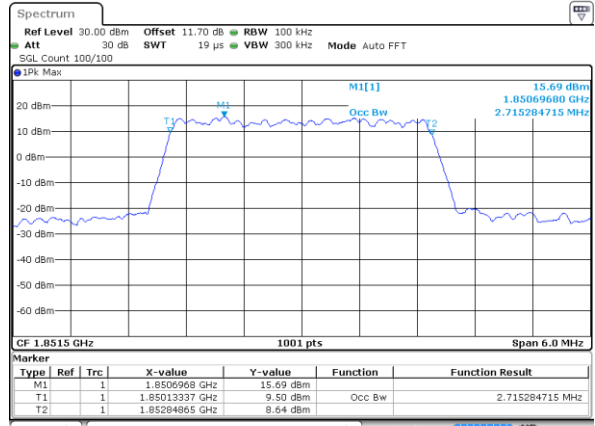
LTE Band 25

Lowest Channel / 3MHz / QPSK



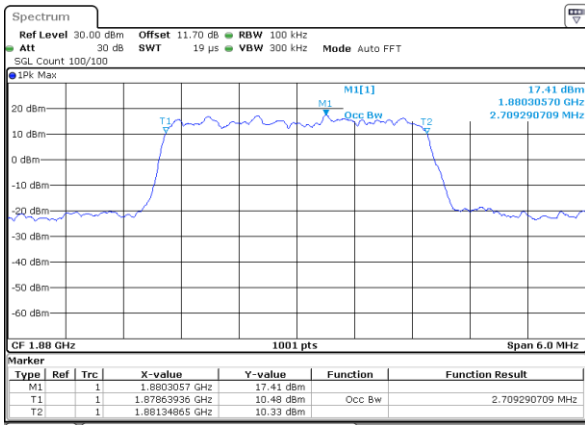
Date: 5 JAN 2018 21:08:10

Lowest Channel / 3MHz / 16QAM



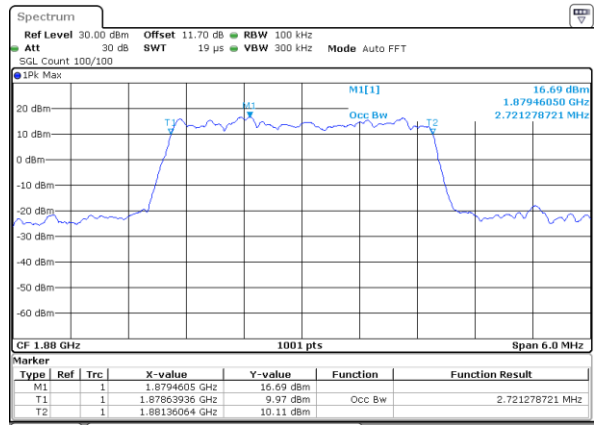
Date: 5 JAN 2018 21:08:20

Middle Channel / 3MHz / QPSK



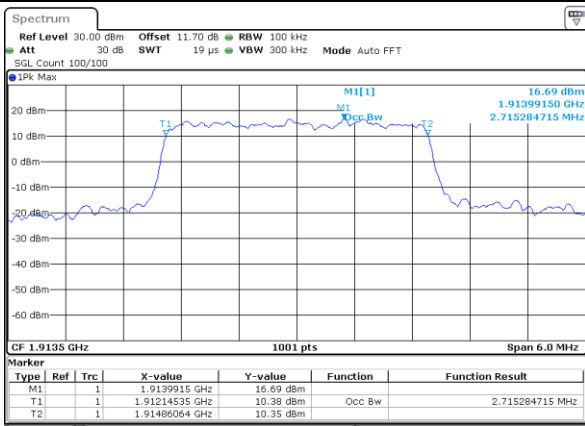
Date: 5 JAN 2018 21:15:13

Middle Channel / 3MHz / 16QAM



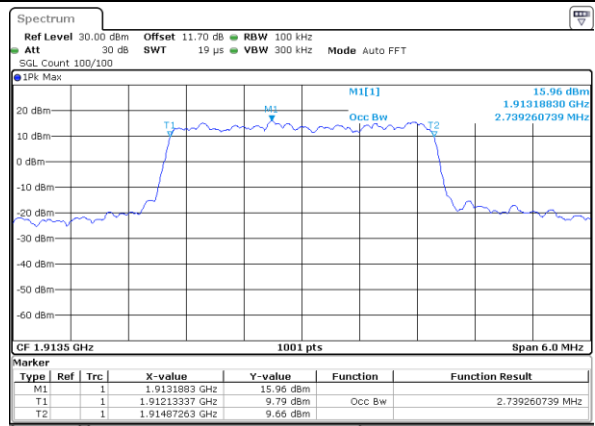
Date: 5 JAN 2018 21:15:23

Highest Channel / 3MHz / QPSK



Date: 5 JAN 2018 21:17:41

Highest Channel / 3MHz / 16QAM

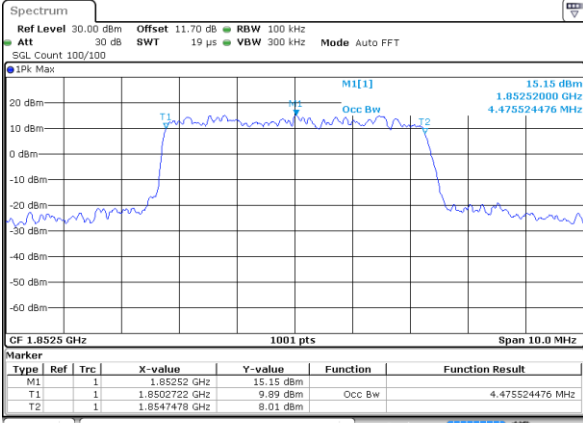


Date: 5 JAN 2018 21:17:51



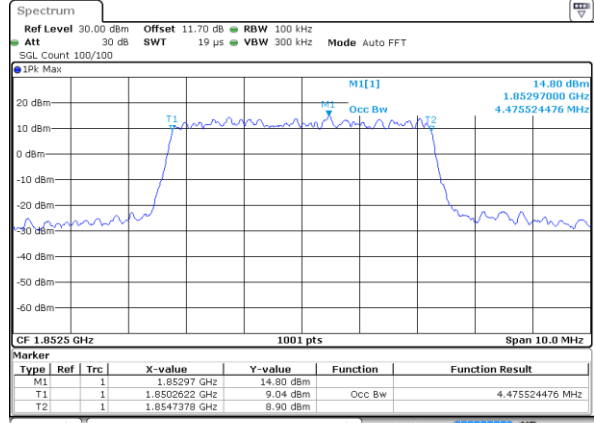
LTE Band 25

Lowest Channel / 5MHz / QPSK



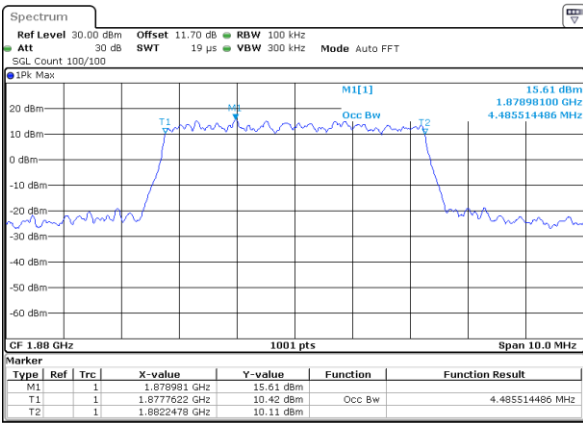
Date: 5 JAN 2018 21:24:44

Lowest Channel / 5MHz / 16QAM



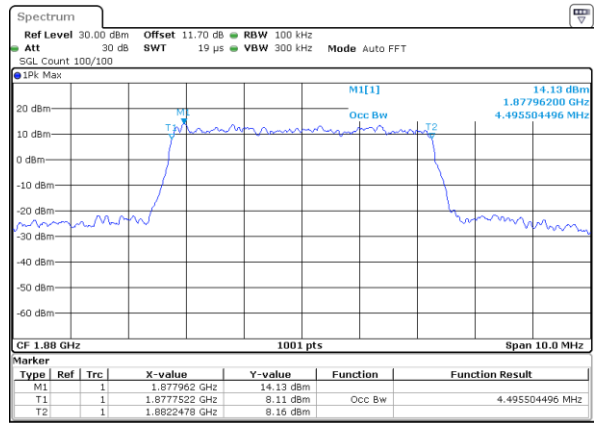
Date: 5 JAN 2018 21:24:54

Middle Channel / 5MHz / QPSK



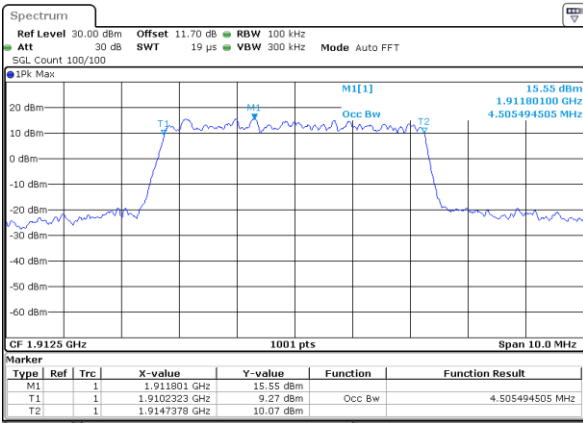
Date: 5 JAN 2018 21:31:47

Middle Channel / 5MHz / 16QAM



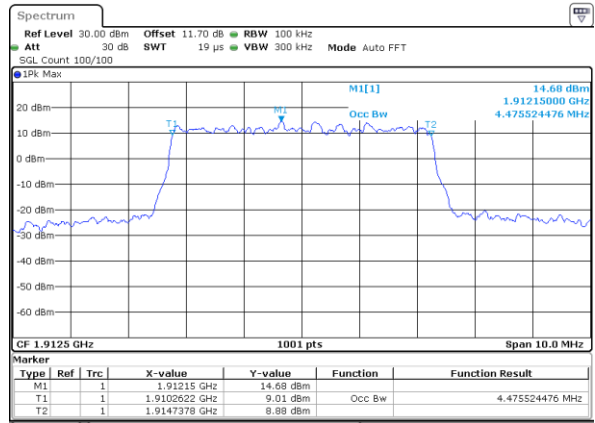
Date: 5 JAN 2018 21:31:57

Highest Channel / 5MHz / QPSK



Date: 5 JAN 2018 21:34:16

Highest Channel / 5MHz / 16QAM

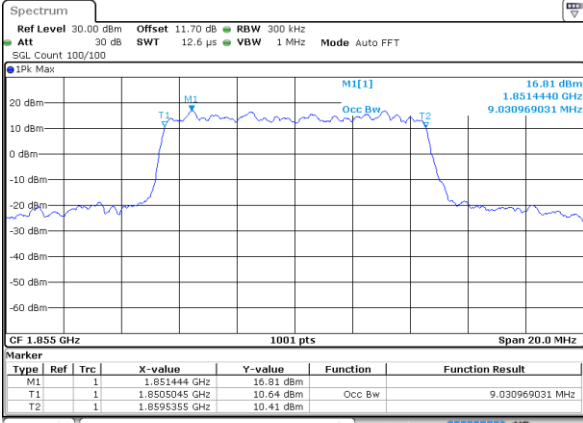


Date: 5 JAN 2018 21:34:26



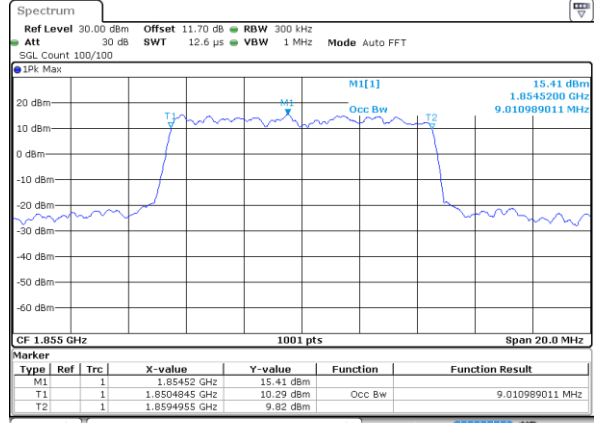
LTE Band 25

Lowest Channel / 10MHz / QPSK



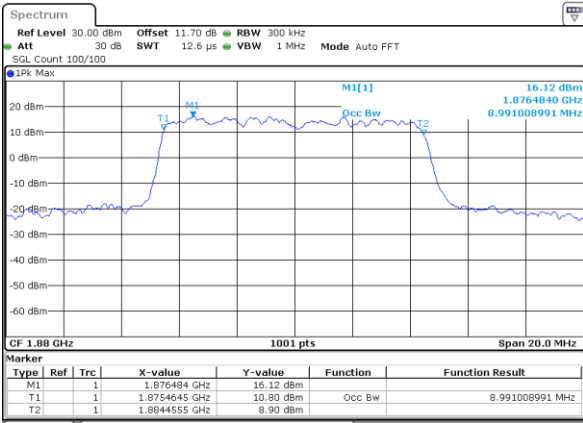
Date: 5 JAN 2018 21:41:19

Lowest Channel / 10MHz / 16QAM



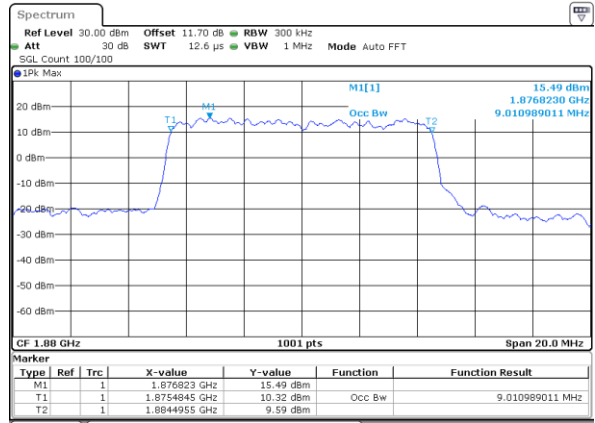
Date: 5 JAN 2018 21:41:29

Middle Channel / 10MHz / QPSK



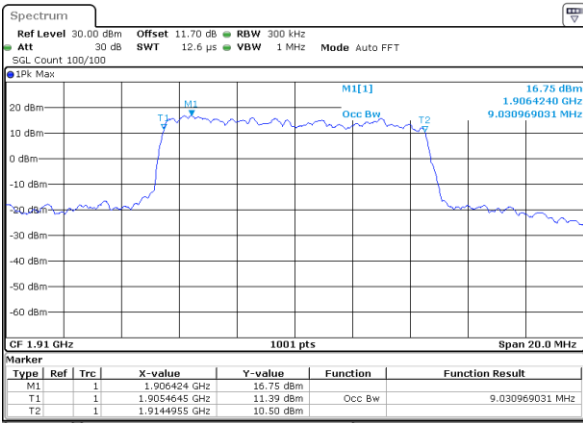
Date: 5 JAN 2018 21:48:22

Middle Channel / 10MHz / 16QAM



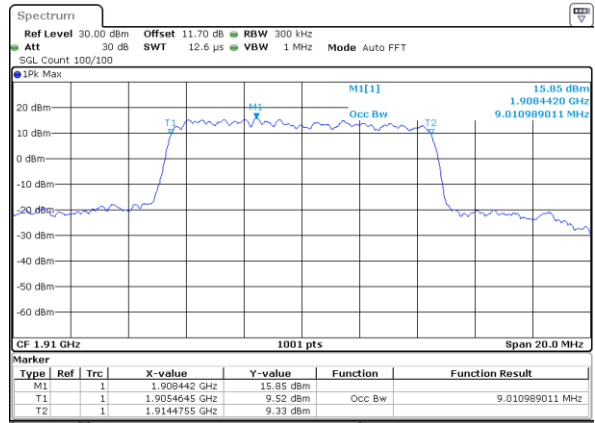
Date: 5 JAN 2018 21:48:32

Highest Channel / 10MHz / QPSK



Date: 5 JAN 2018 21:50:50

Highest Channel / 10MHz / 16QAM

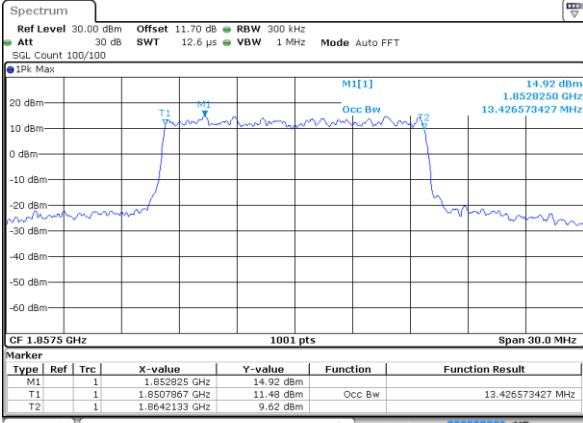


Date: 5 JAN 2018 21:51:00



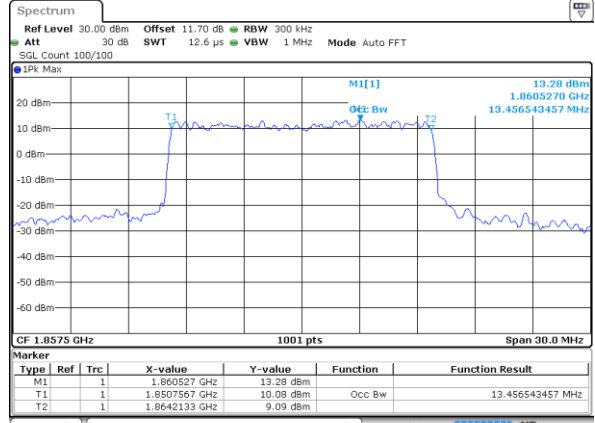
LTE Band 25

Lowest Channel / 15MHz / QPSK



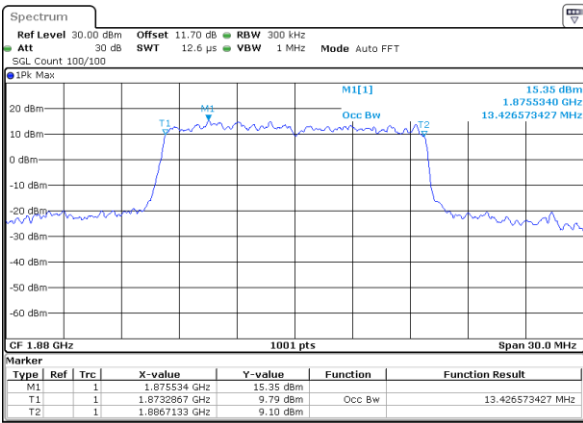
Date: 5 JAN 2018 21:57:53

Lowest Channel / 15MHz / 16QAM



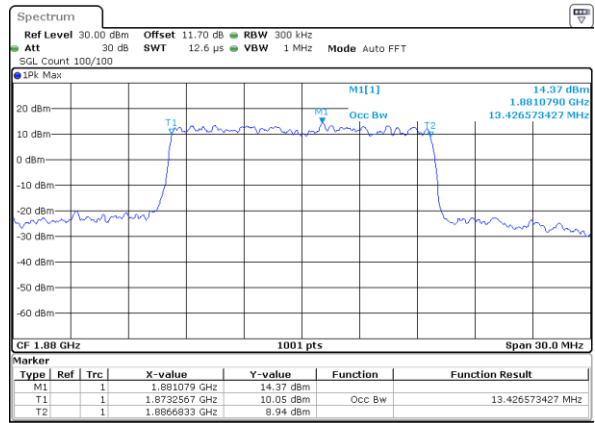
Date: 5 JAN 2018 21:58:04

Middle Channel / 15MHz / QPSK



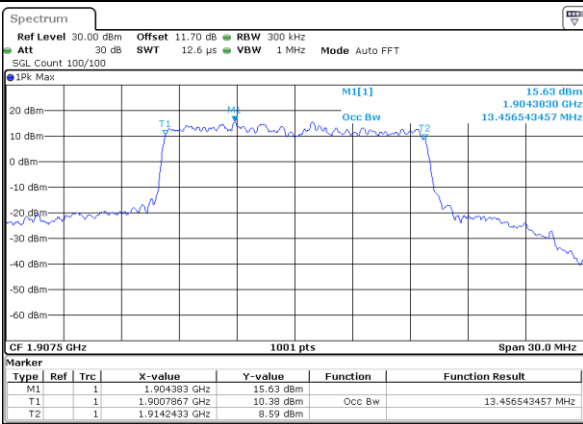
Date: 5 JAN 2018 22:04:57

Middle Channel / 15MHz / 16QAM



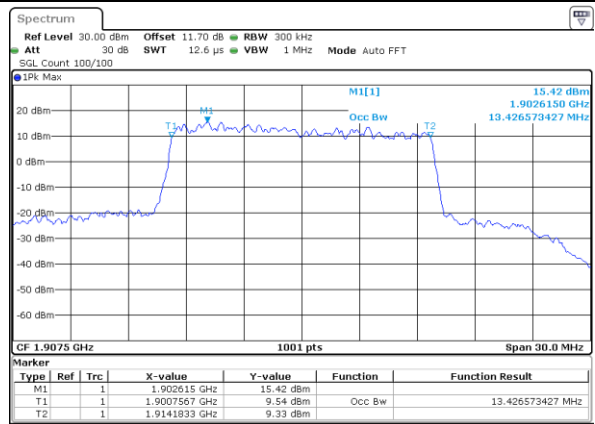
Date: 5 JAN 2018 22:05:07

Highest Channel / 15MHz / QPSK



Date: 5 JAN 2018 22:07:25

Highest Channel / 15MHz / 16QAM

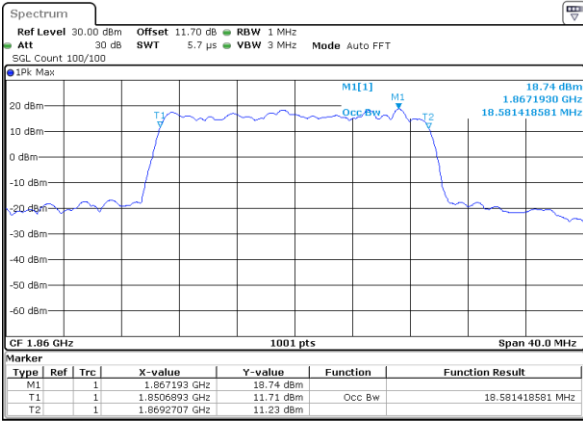


Date: 5 JAN 2018 22:07:35



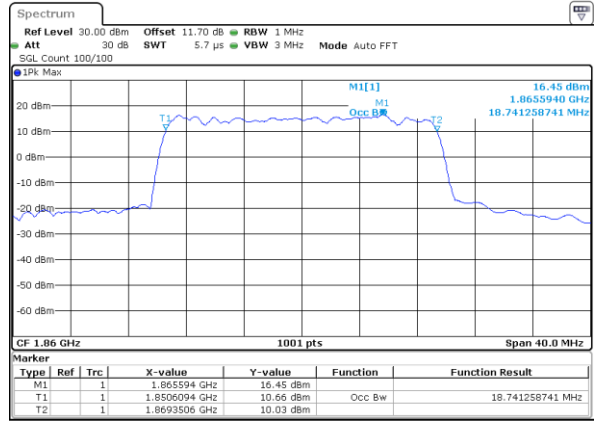
LTE Band 25

Lowest Channel / 20MHz / QPSK



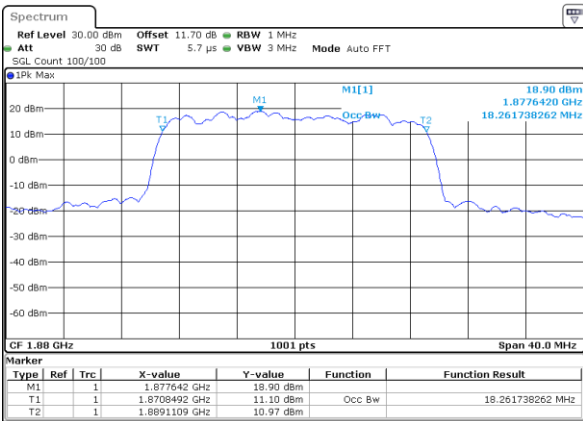
Date: 5 JAN 2018 22:14:28

Lowest Channel / 20MHz / 16QAM



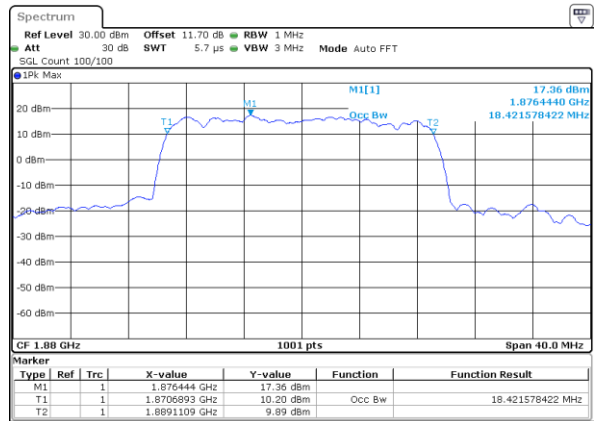
Date: 5 JAN 2018 22:14:38

Middle Channel / 20MHz / QPSK



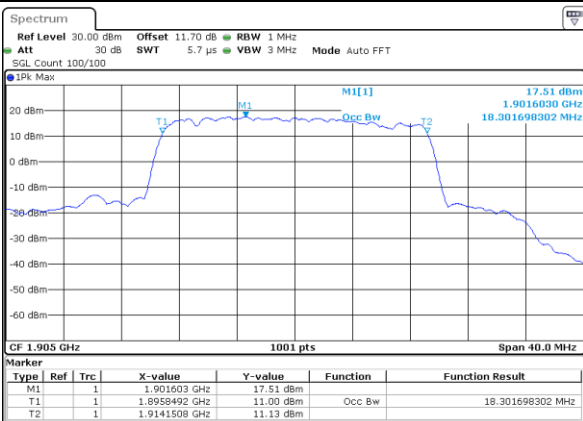
Date: 5 JAN 2018 22:21:31

Middle Channel / 20MHz / 16QAM



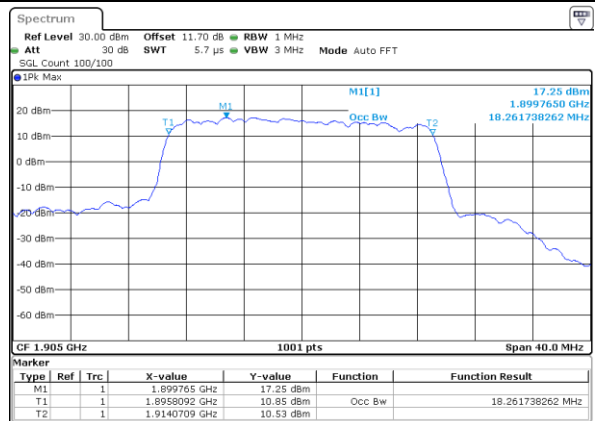
Date: 5 JAN 2018 22:21:41

Highest Channel / 20MHz / QPSK



Date: 5 JAN 2018 22:29:37

Highest Channel / 20MHz / 16QAM



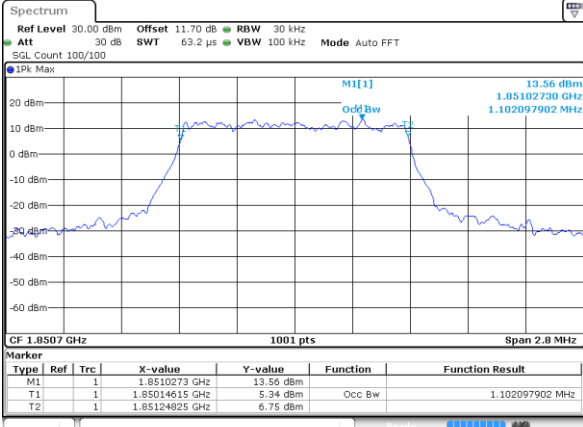
Date: 5 JAN 2018 22:29:48





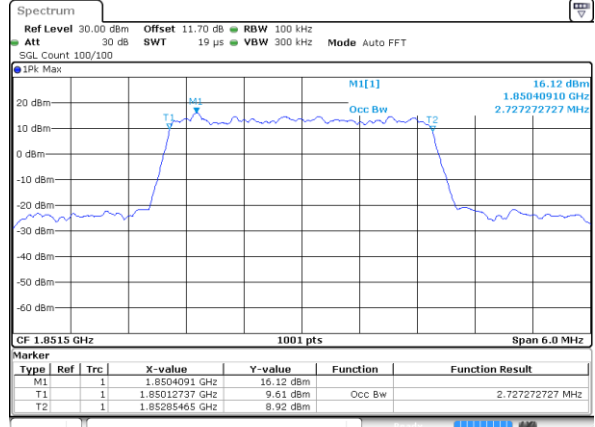
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



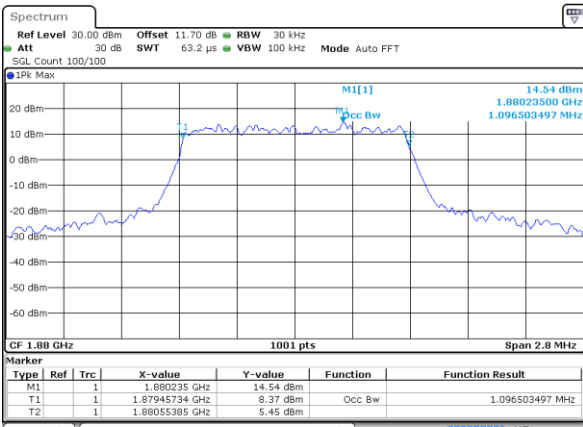
Date: 31 JAN 2018 22:49:54

Lowest Channel / 3MHz / 64QAM



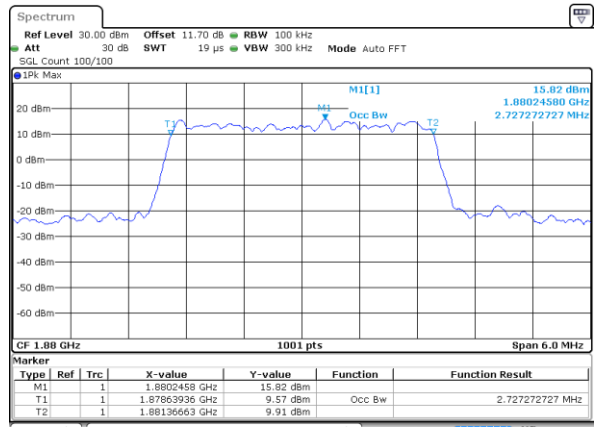
Date: 31 JAN 2018 23:28:28

Middle Channel / 1.4MHz / 64QAM



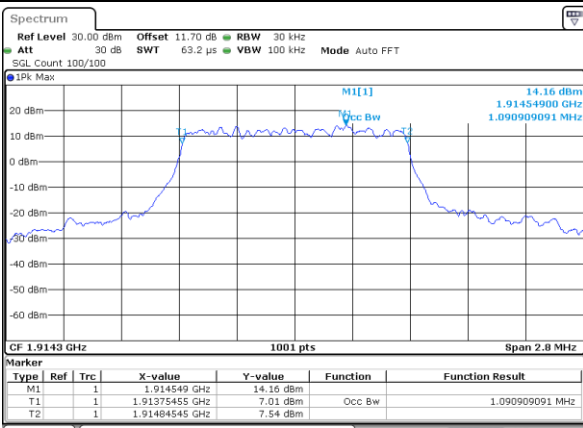
Date: 31 JAN 2018 22:53:25

Middle Channel / 3MHz / 64QAM



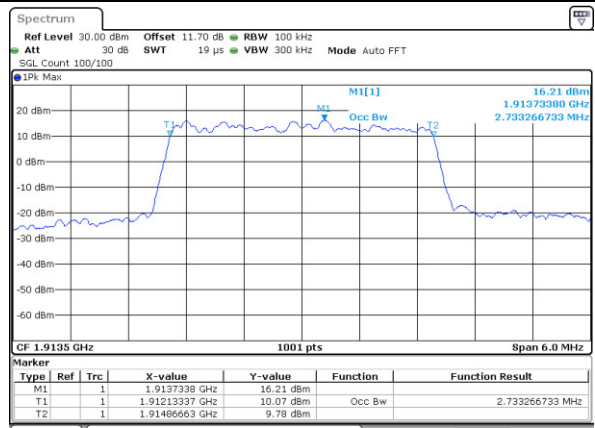
Date: 31 JAN 2018 23:32:00

Highest Channel / 1.4MHz / 64QAM



Date: 31 JAN 2018 22:54:39

Highest Channel / 3MHz / 64QAM

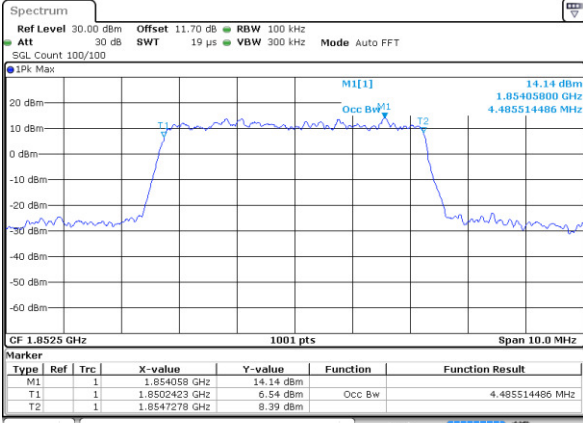


Date: 31 JAN 2018 23:33:14



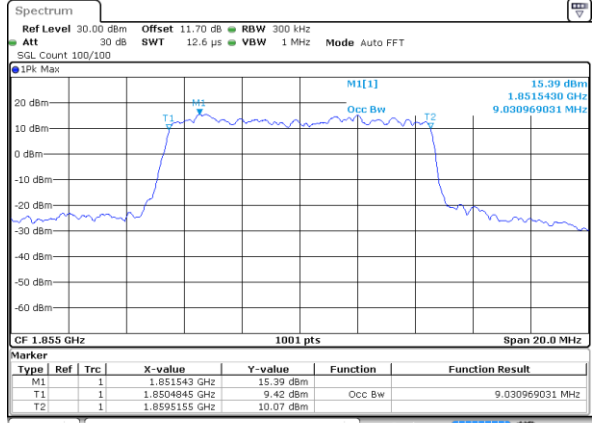
LTE Band 25

Lowest Channel / 5MHz / 64QAM



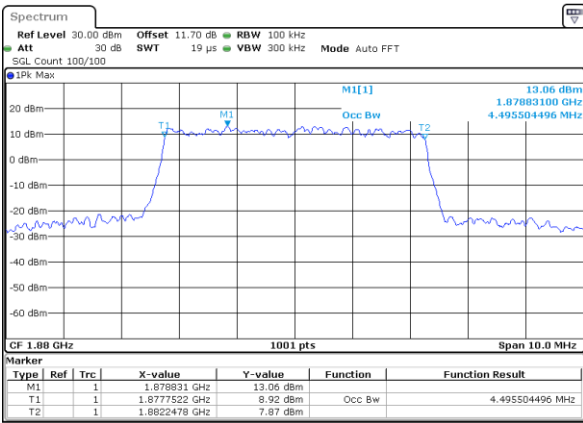
Date: 31 JAN 2018 23:36:46

Lowest Channel / 10MHz / 64QAM



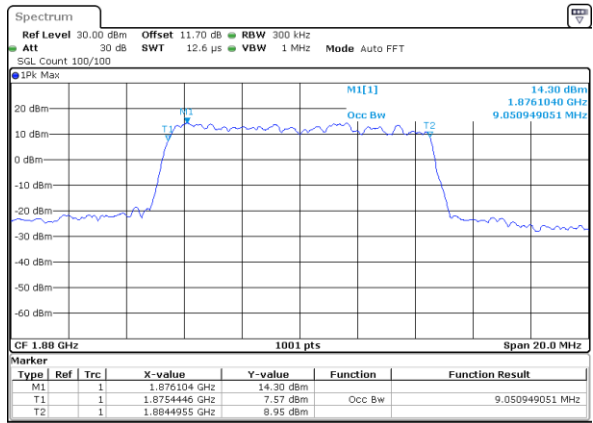
Date: 31 JAN 2018 23:45:03

Middle Channel / 5MHz / 64QAM



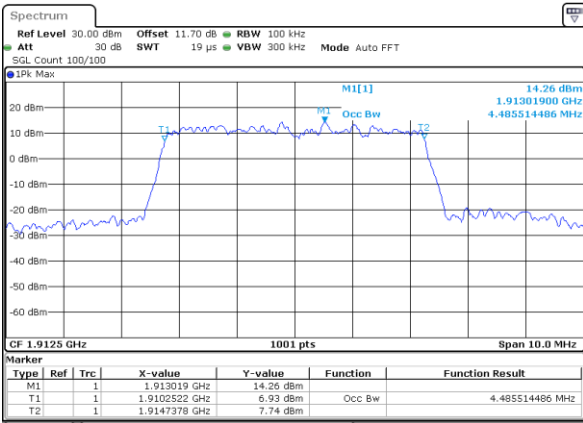
Date: 31 JAN 2018 23:40:17

Middle Channel / 10MHz / 64QAM



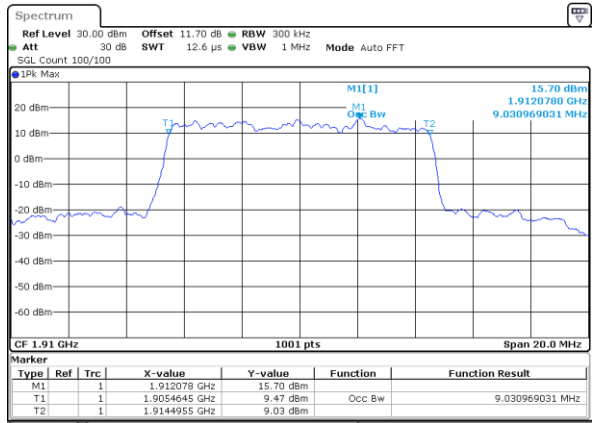
Date: 31 JAN 2018 22:28:33

Highest Channel / 5MHz / 64QAM



Date: 31 JAN 2018 23:41:31

Highest Channel / 10MHz / 64QAM



Date: 31 JAN 2018 22:29:47