

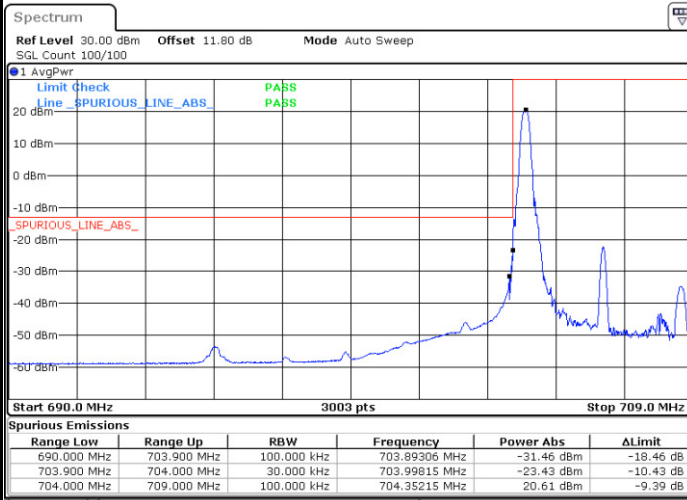


**Conducted Band Edge**



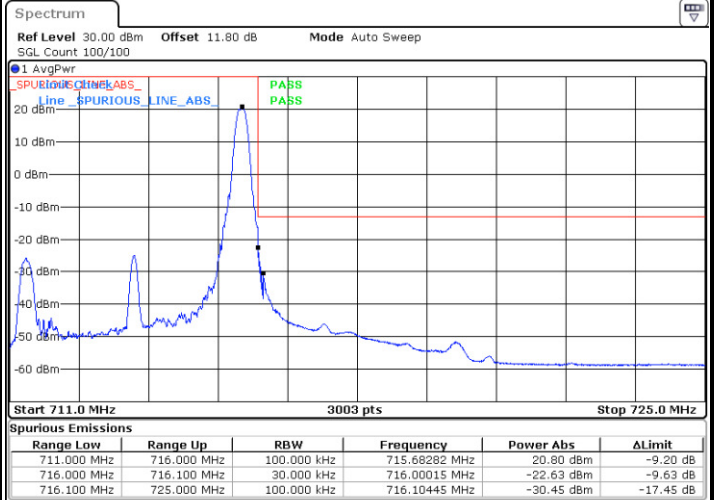
LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



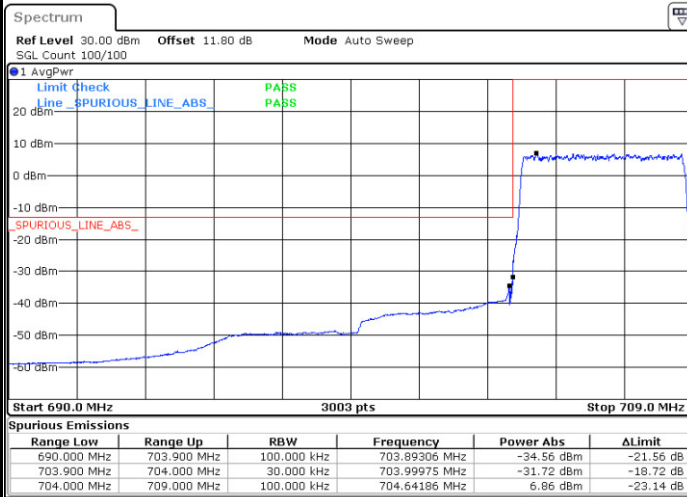
Date: 6.JAN.2018 23:44:46

Highest Band Edge / 1 RB



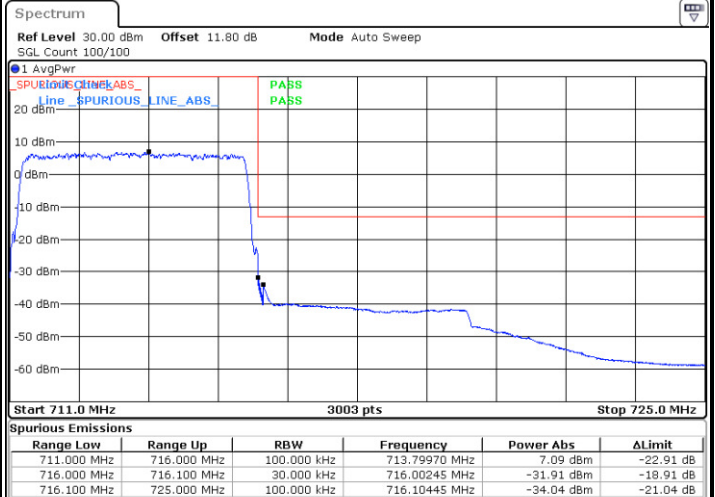
Date: 6.JAN.2018 23:54:09

Lowest Band Edge / Full RB



Date: 6.JAN.2018 23:47:02

Highest Band Edge / Full RB

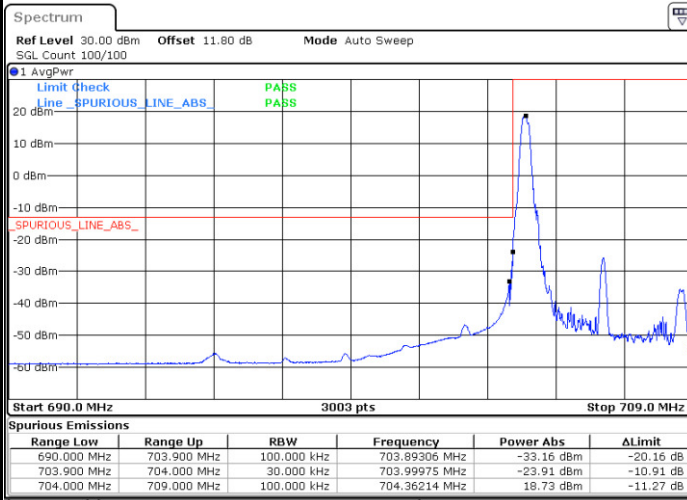


Date: 6.JAN.2018 23:56:25



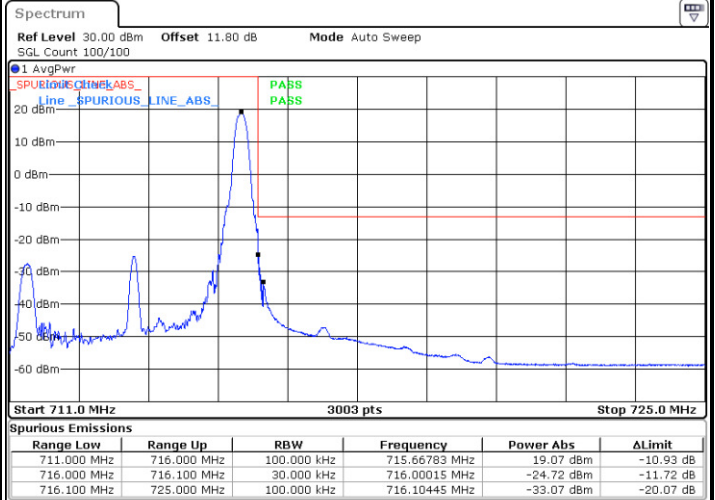
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



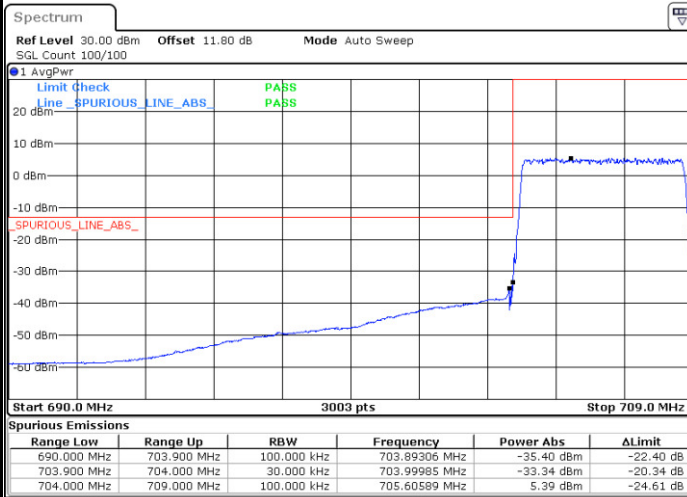
Date: 6.JAN.2018 23:45:54

Highest Band Edge / 1 RB



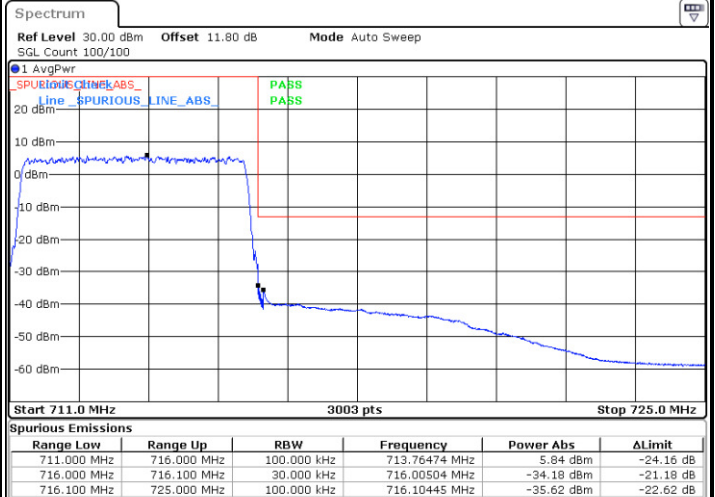
Date: 6.JAN.2018 23:55:17

Lowest Band Edge / Full RB



Date: 6.JAN.2018 23:48:10

Highest Band Edge / Full RB

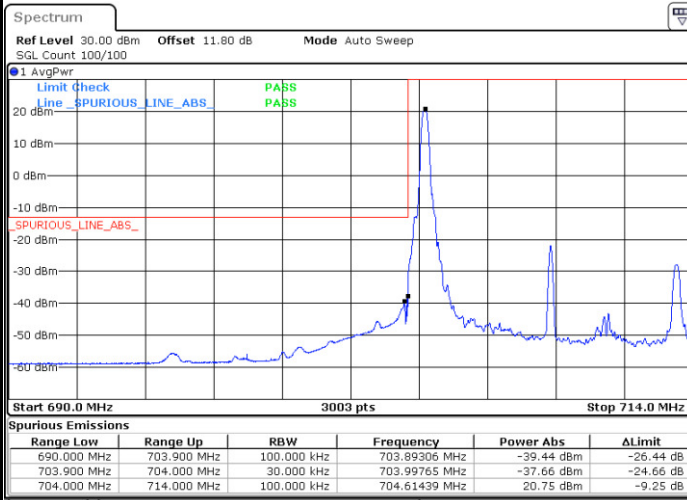


Date: 6.JAN.2018 23:57:33



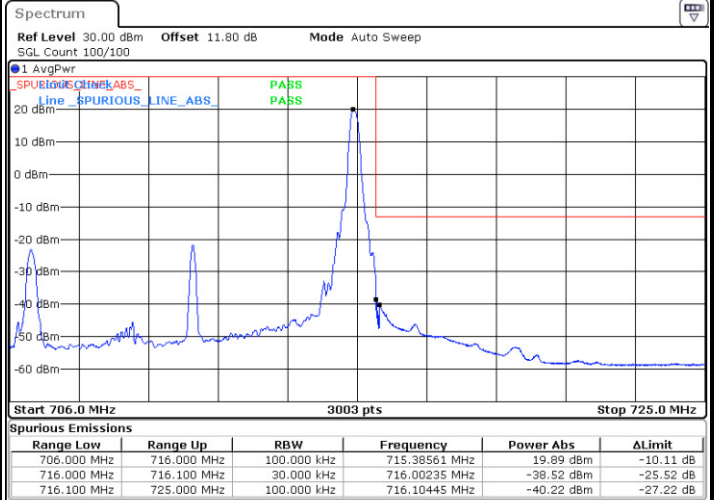
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



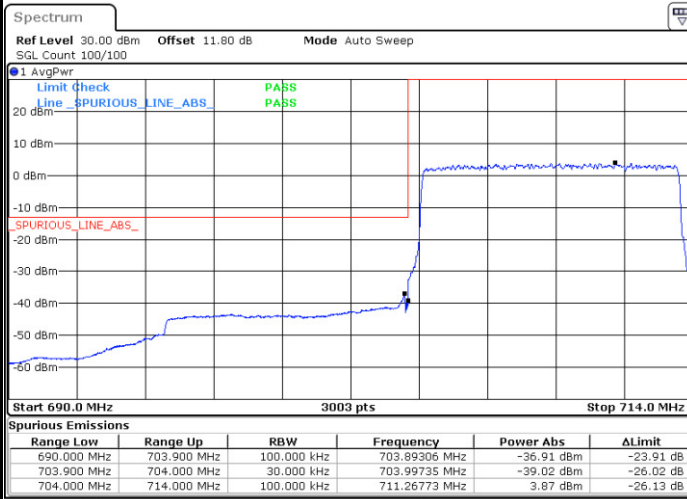
Date: 7.JAN.2018 00:01:06

Highest Band Edge / 1 RB



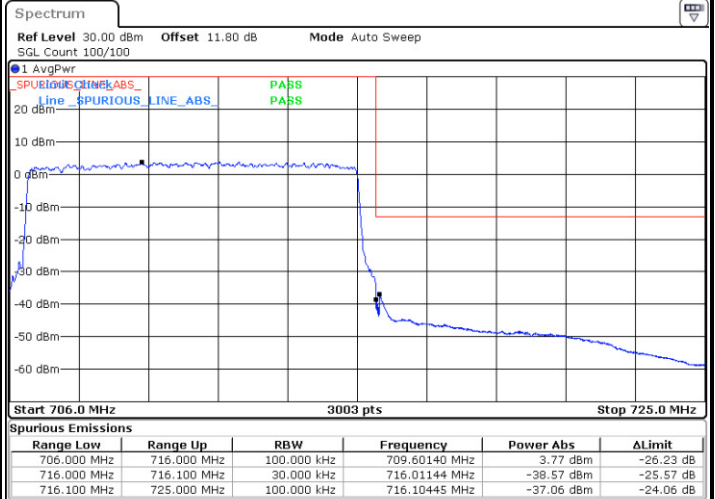
Date: 7.JAN.2018 00:10:30

Lowest Band Edge / Full RB



Date: 7.JAN.2018 00:03:22

Highest Band Edge / Full RB



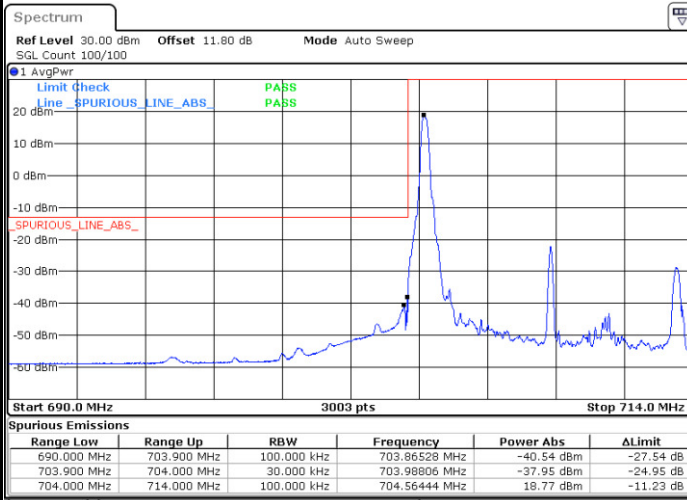
Date: 7.JAN.2018 00:12:45





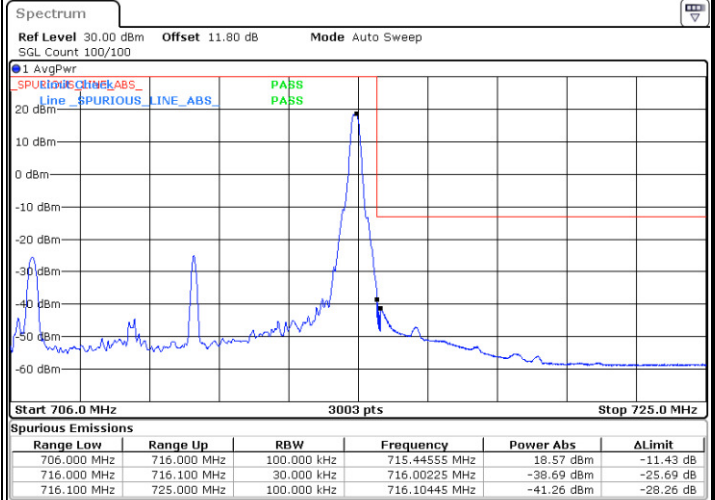
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



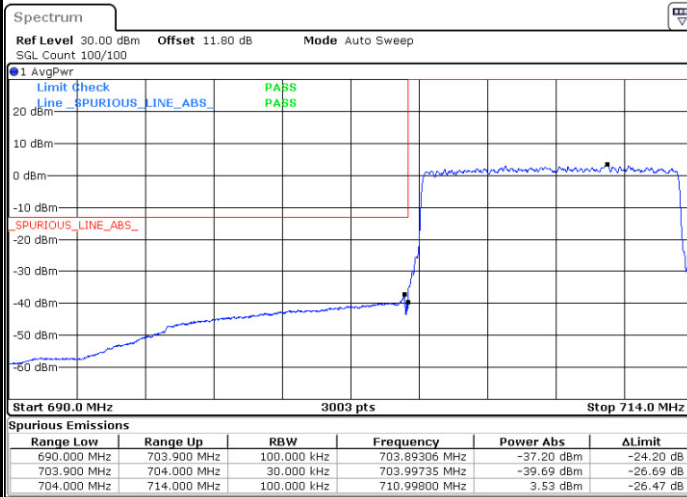
Date: 7.JAN.2018 00:02:14

Highest Band Edge / 1 RB



Date: 7.JAN.2018 00:11:37

Lowest Band Edge / Full RB



Date: 7.JAN.2018 00:04:30

Highest Band Edge / Full RB



Date: 7.JAN.2018 00:13:53



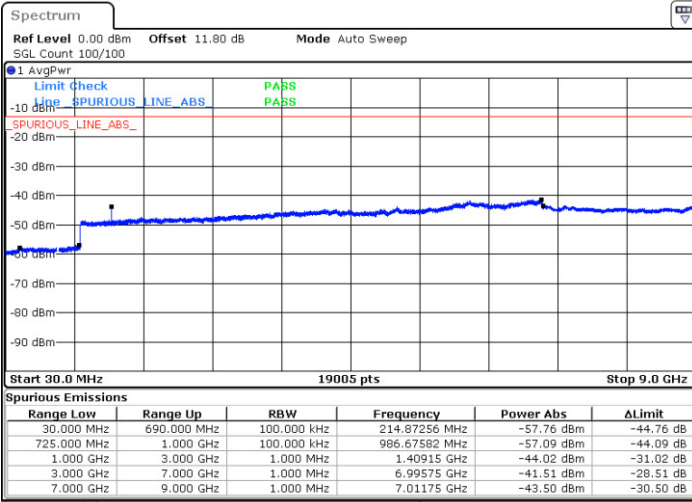
**Conducted Spurious Emission**



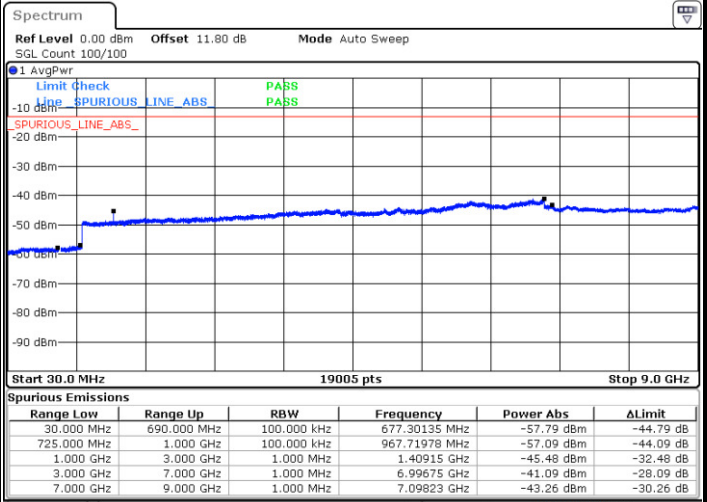
LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



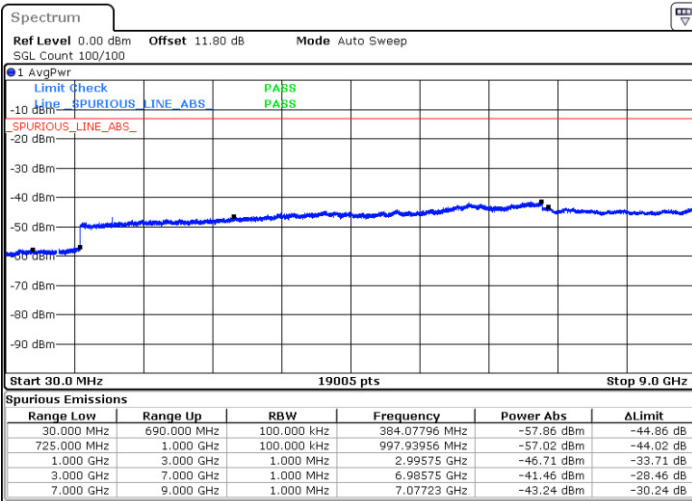
Date: 6. JAN. 2018 23:49:04



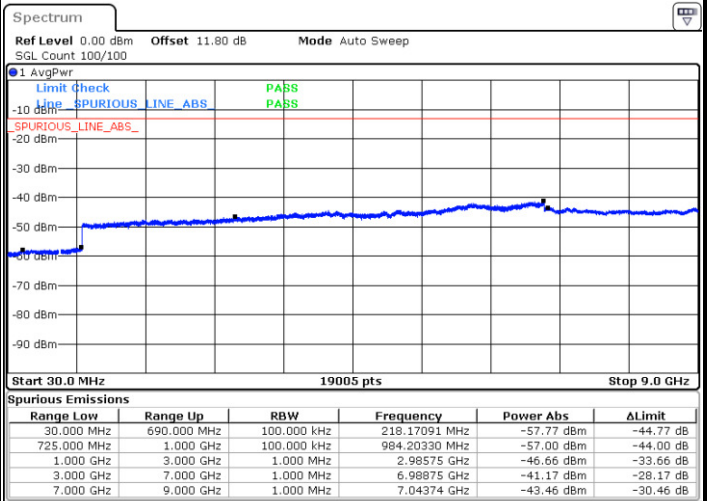
Date: 6. JAN. 2018 23:49:57

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6. JAN. 2018 23:51:29

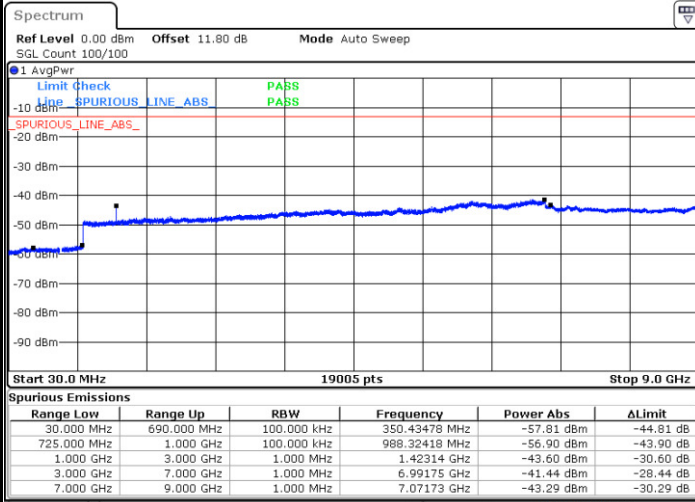


Date: 6. JAN. 2018 23:52:22



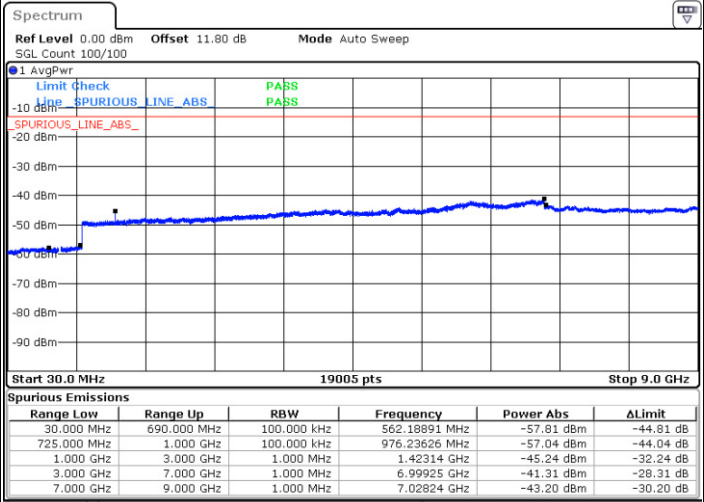
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 6.JAN.2018 23:58:26

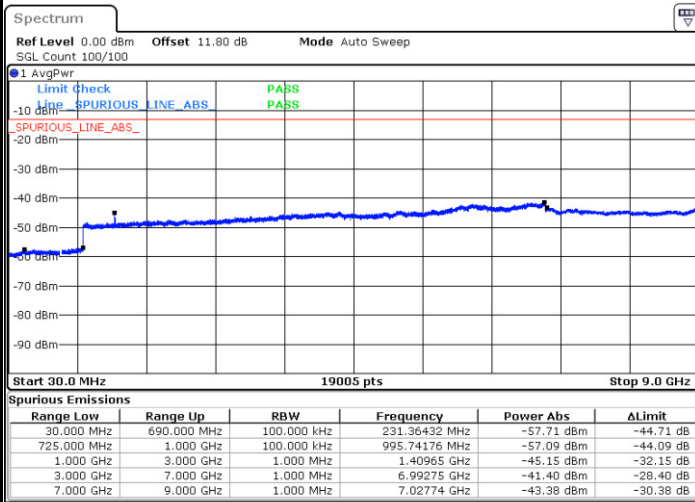
Highest Channel / 16QAM



Date: 6.JAN.2018 23:59:19

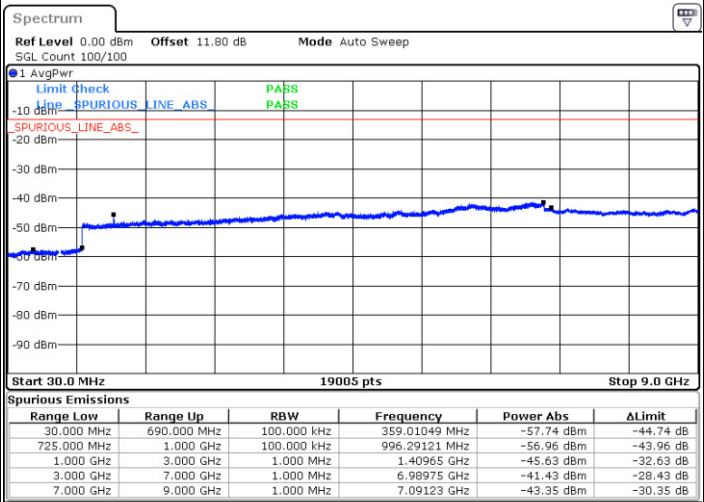
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 7.JAN.2018 00:05:24

Lowest Channel / 16QAM



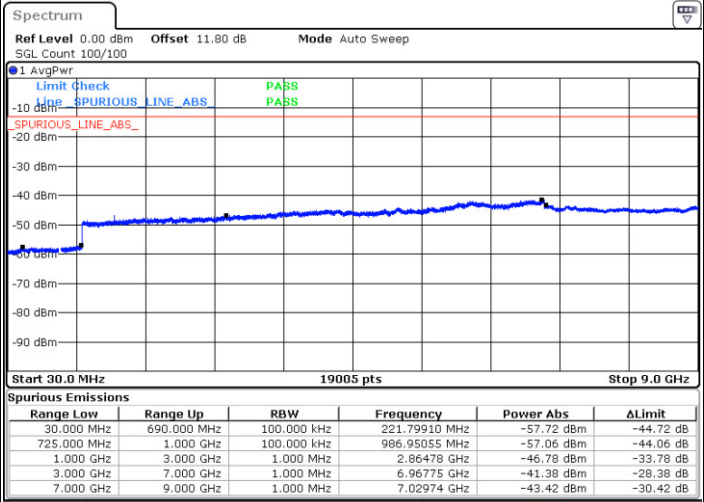
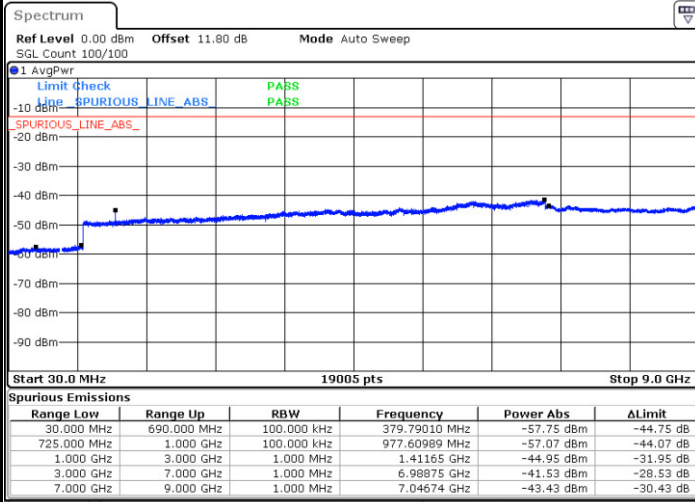
Date: 7.JAN.2018 00:06:17



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

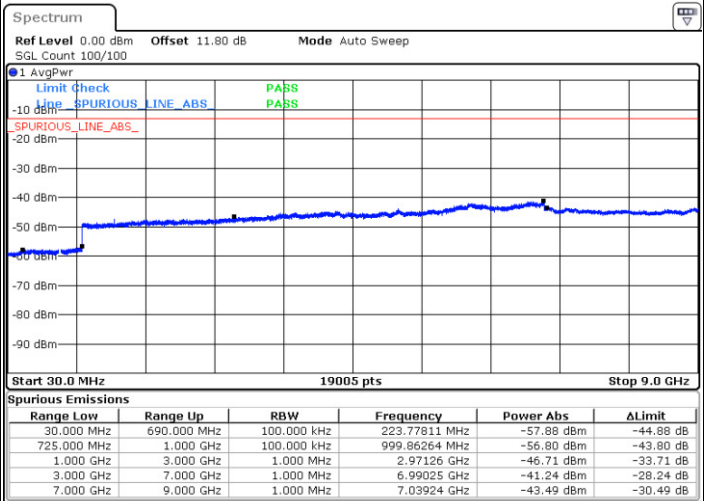
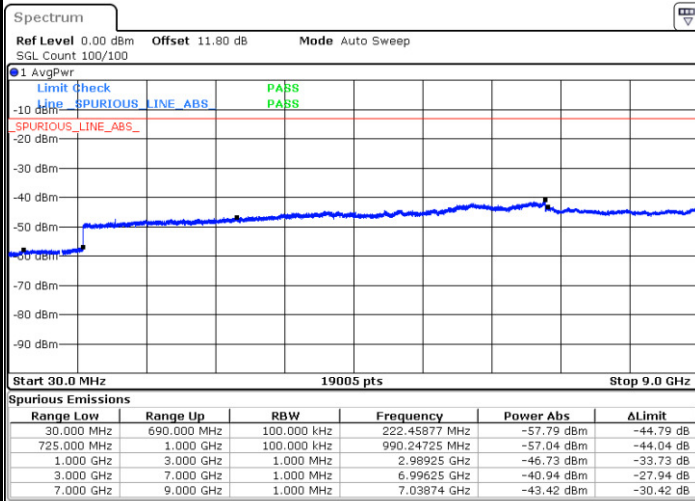


Date: 7. JAN. 2018 00:07:49

Date: 7. JAN. 2018 00:08:42

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7. JAN. 2018 00:14:47

Date: 7. JAN. 2018 00:15:40



### 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	0.0007	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

**Note:**

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



## LTE Band 25

### Peak-to-Average Ratio

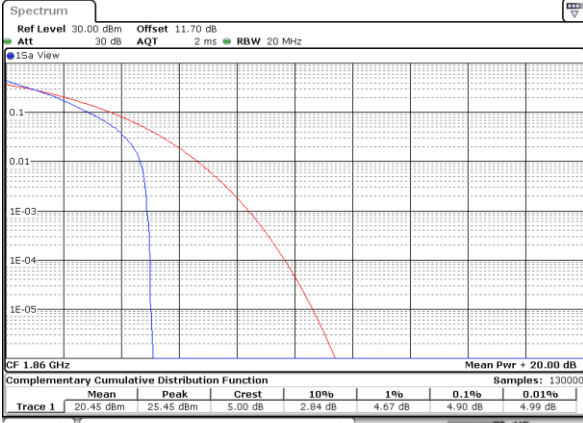
Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.9	5.13	5.91	6.35	<b>PASS</b>
Middle CH	4.93	5.22	5.54	6.32	
Highest CH	4.81	5.01	5.59	6.2	





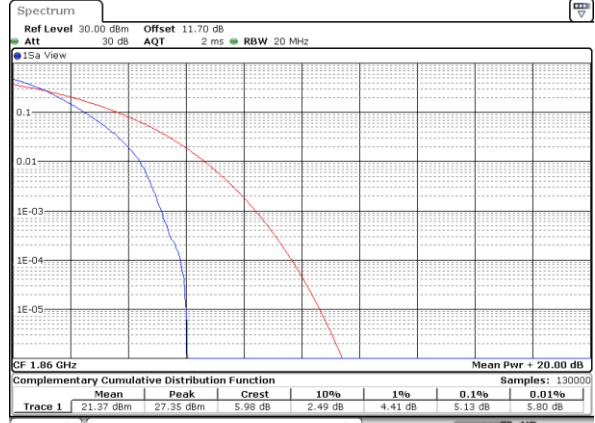
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 4 JAN 2018 11:48:01

Lowest Channel / Full RB



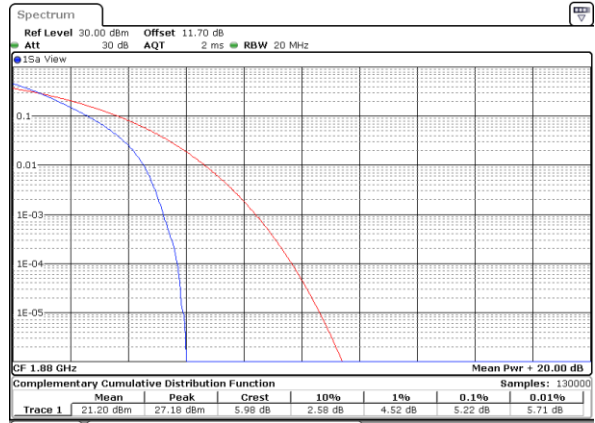
Date: 4 JAN 2018 11:53:27

Middle Channel / 1RB



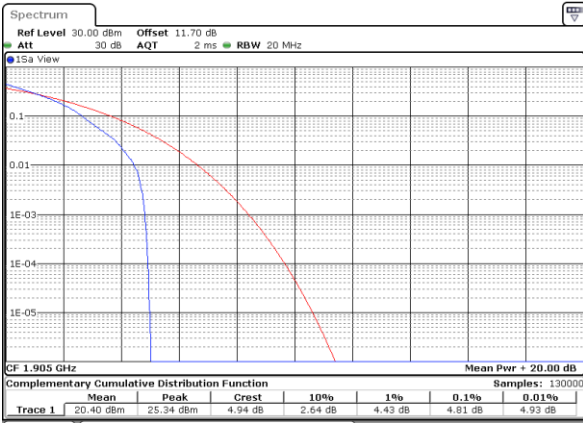
Date: 4 JAN 2018 11:54:18

Middle Channel / Full RB



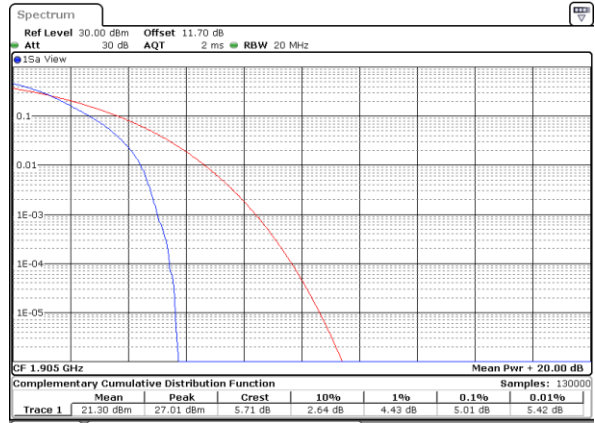
Date: 4 JAN 2018 11:54:36

Highest Channel / 1RB



Date: 4 JAN 2018 11:55:33

Highest Channel / Full RB

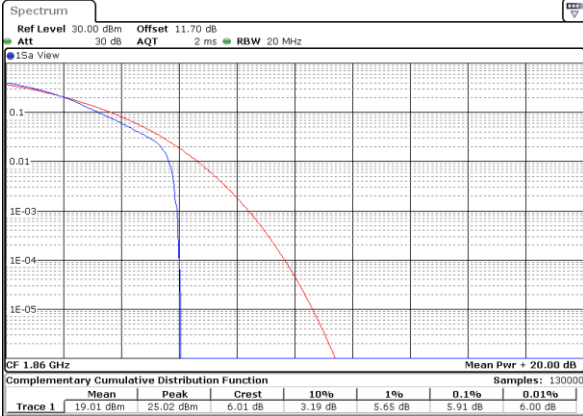


Date: 4 JAN 2018 11:55:50



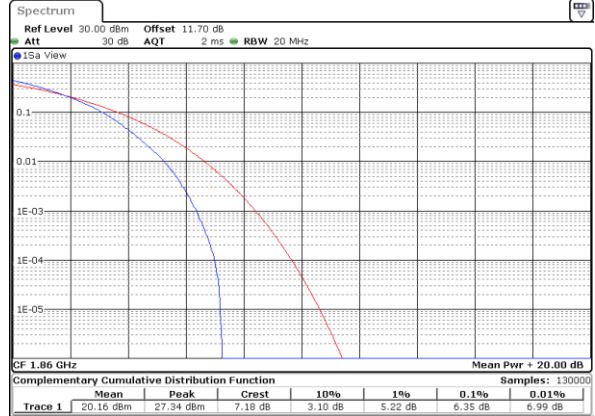
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



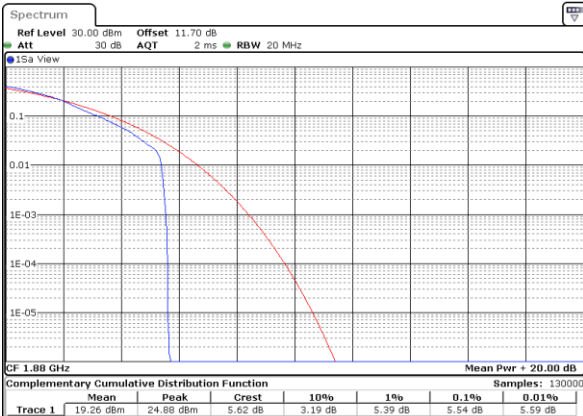
Date: 4 JAN 2018 11:46:36

Lowest Channel / Full RB



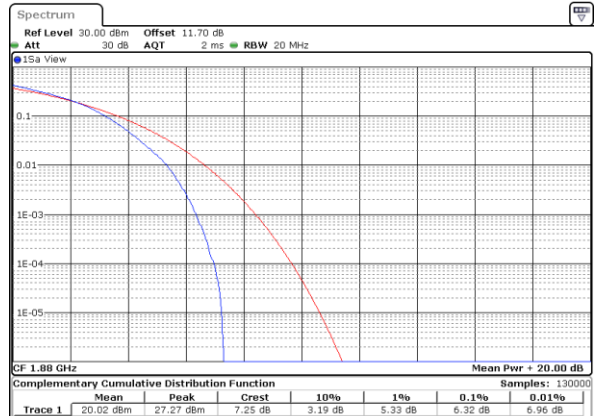
Date: 4 JAN 2018 11:47:11

Middle Channel / 1RB



Date: 4 JAN 2018 11:53:49

Middle Channel / Full RB



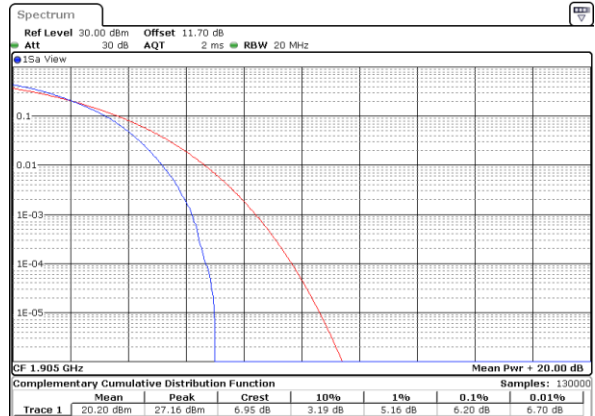
Date: 4 JAN 2018 11:53:59

Highest Channel / 1RB



Date: 4 JAN 2018 11:54:47

Highest Channel / Full RB



Date: 4 JAN 2018 11:55:09



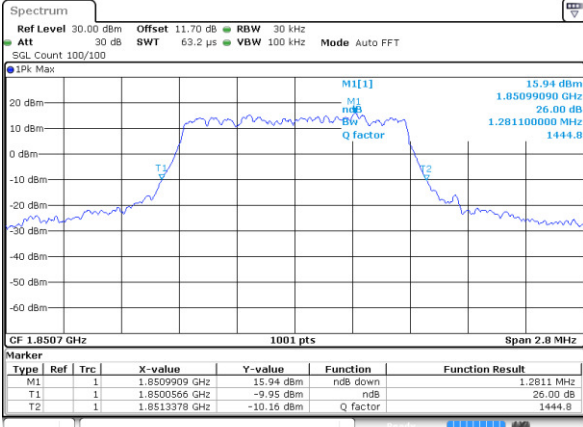
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.28	3.04	2.99	4.90	4.89	9.89	9.73	14.45	14.66	20.22	20.18
Middle CH	1.26	1.28	2.99	3.02	4.92	4.89	9.67	9.87	14.48	14.42	20.14	20.06
Highest CH	1.26	1.31	3.01	3.00	4.93	4.93	9.75	9.65	14.33	14.33	20.22	20.10



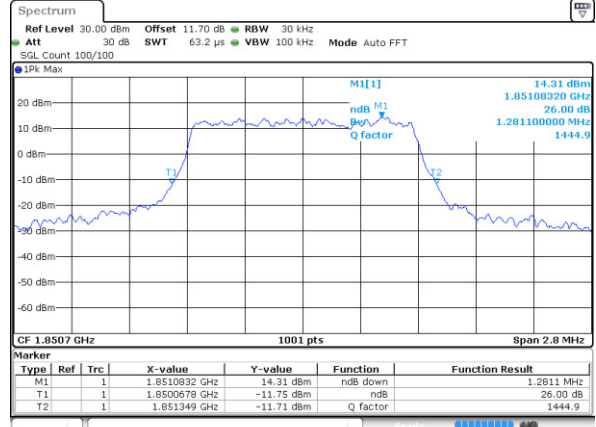
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



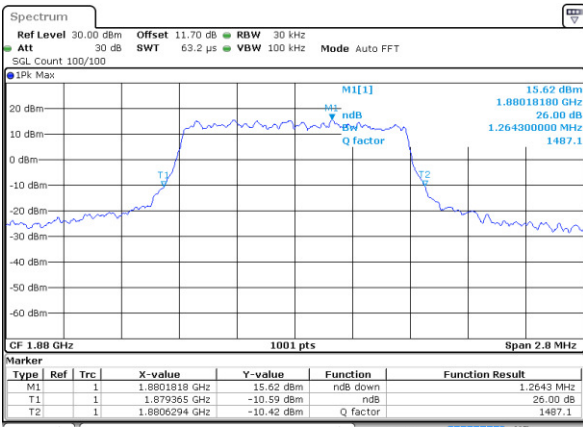
Date: 4 JAN 2018 11:17:55

Lowest Channel / 1.4MHz / 16QAM



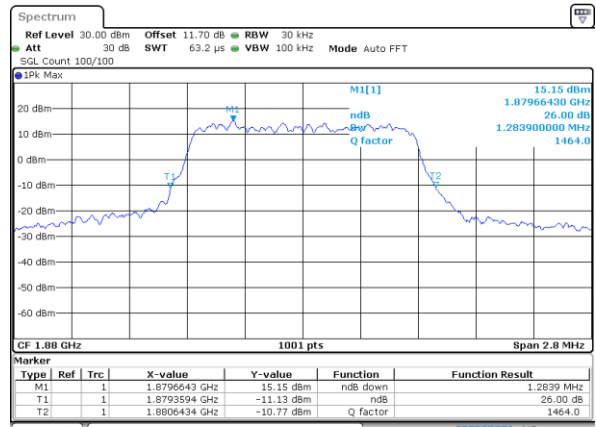
Date: 4 JAN 2018 11:18:04

Middle Channel / 1.4MHz / QPSK



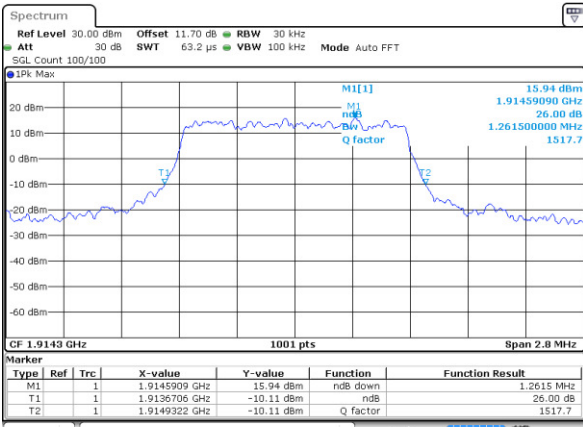
Date: 4 JAN 2018 11:24:57

Middle Channel / 1.4MHz / 16QAM



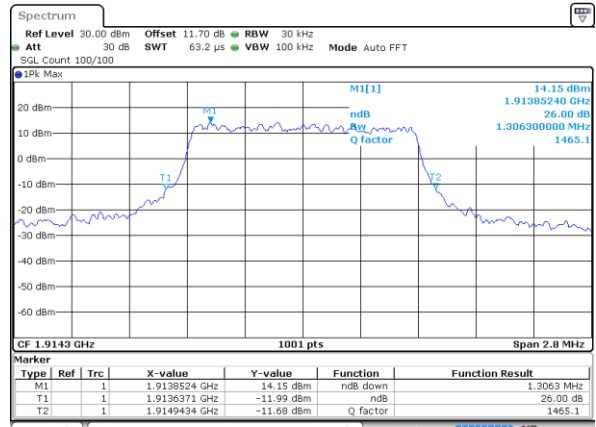
Date: 4 JAN 2018 11:25:07

Highest Channel / 1.4MHz / QPSK



Date: 4 JAN 2018 11:27:35

Highest Channel / 1.4MHz / 16QAM

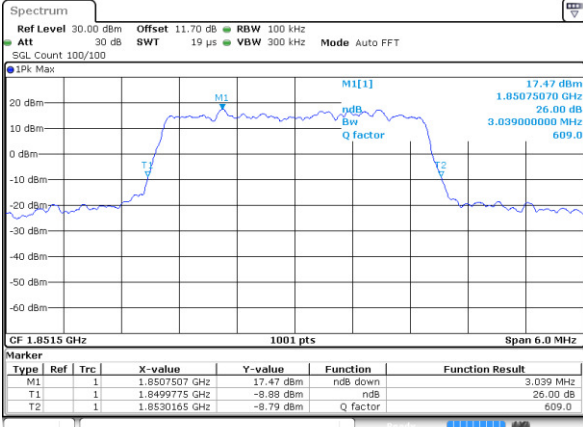


Date: 4 JAN 2018 11:27:25



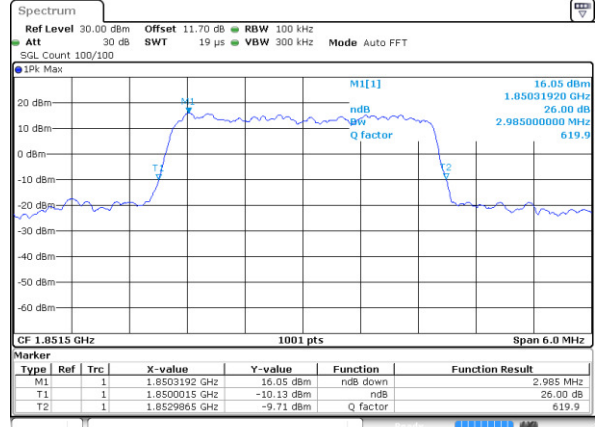
LTE Band 25

Lowest Channel / 3MHz / QPSK



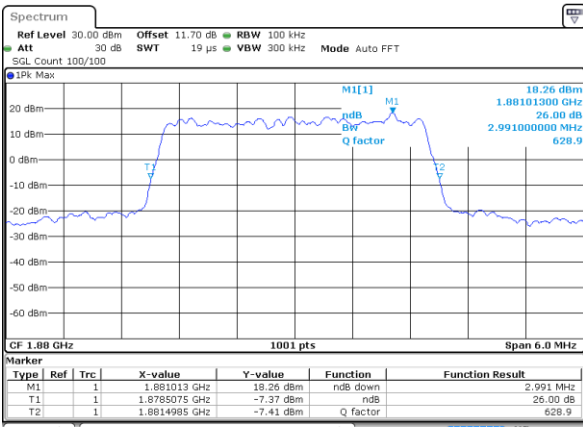
Date: 3 JAN 2018 17:35:14

Lowest Channel / 3MHz / 16QAM



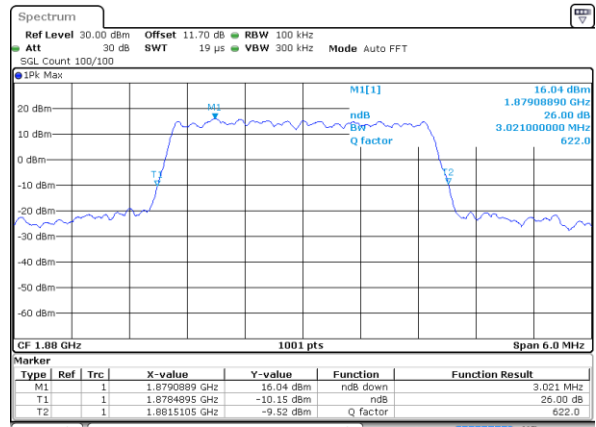
Date: 3 JAN 2018 17:35:24

Middle Channel / 3MHz / QPSK



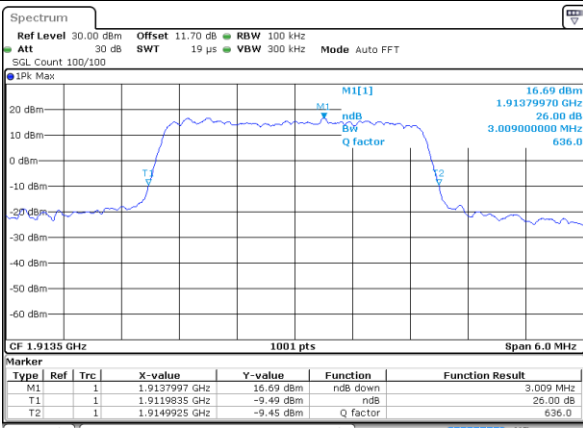
Date: 3 JAN 2018 17:42:18

Middle Channel / 3MHz / 16QAM



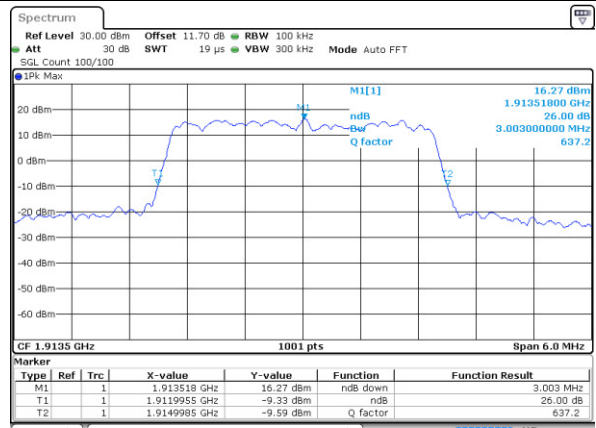
Date: 3 JAN 2018 17:42:28

Highest Channel / 3MHz / QPSK



Date: 3 JAN 2018 17:44:56

Highest Channel / 3MHz / 16QAM

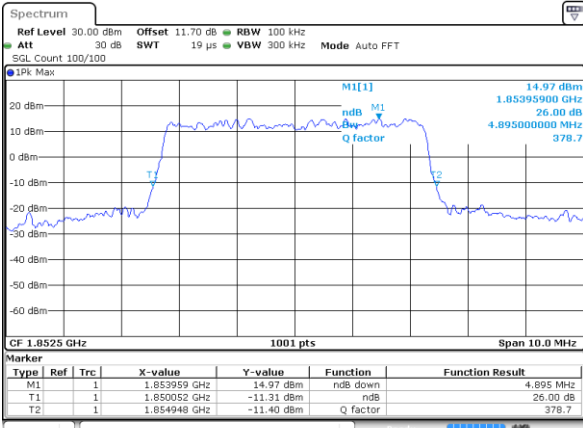


Date: 3 JAN 2018 17:44:46



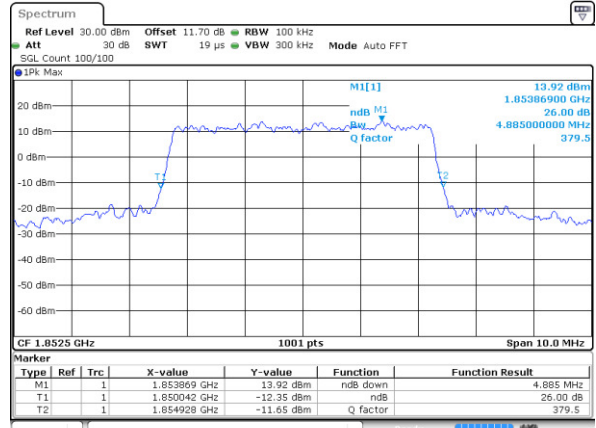
LTE Band 25

Lowest Channel / 5MHz / QPSK



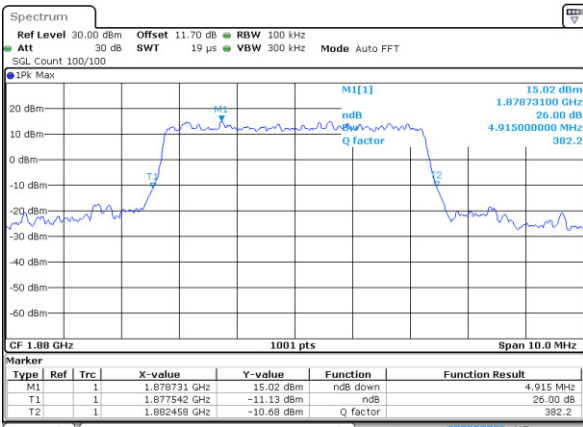
Date: 3 JAN 2018 17:51:49

Lowest Channel / 5MHz / 16QAM



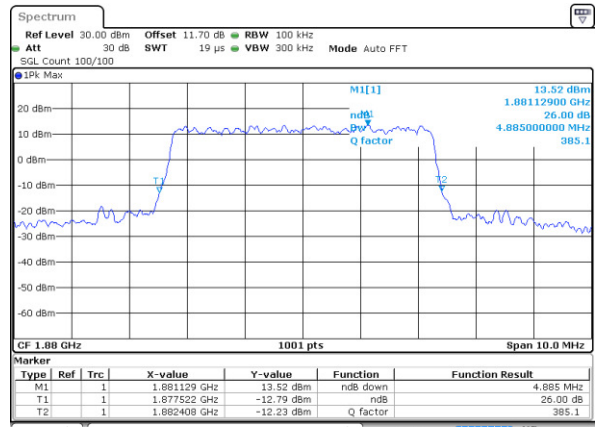
Date: 3 JAN 2018 17:51:59

Middle Channel / 5MHz / QPSK



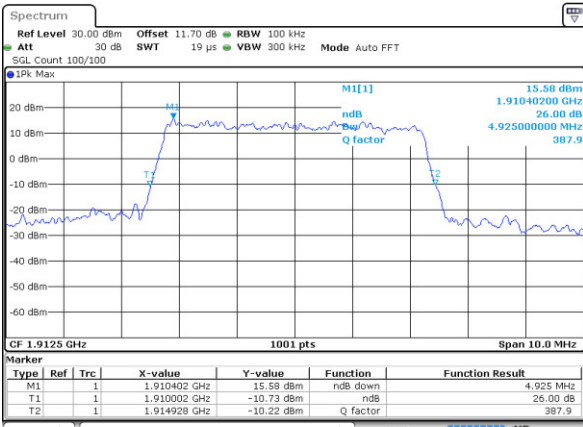
Date: 3 JAN 2018 17:58:52

Middle Channel / 5MHz / 16QAM



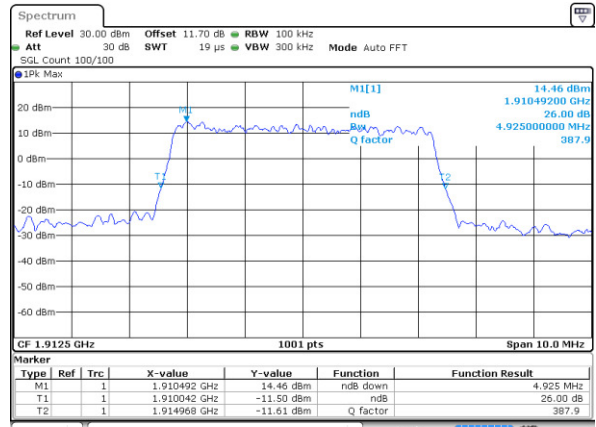
Date: 3 JAN 2018 17:59:02

Highest Channel / 5MHz / QPSK



Date: 3 JAN 2018 18:01:30

Highest Channel / 5MHz / 16QAM

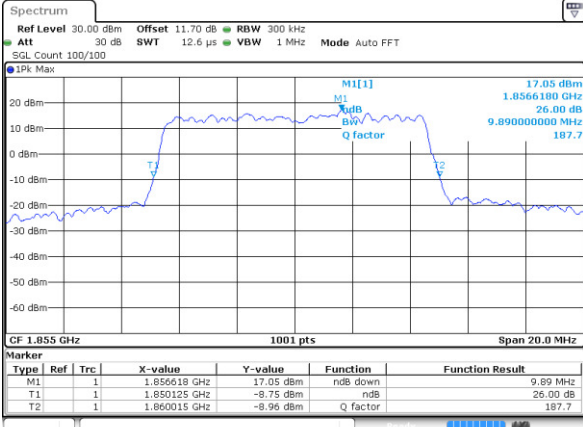


Date: 3 JAN 2018 18:01:20



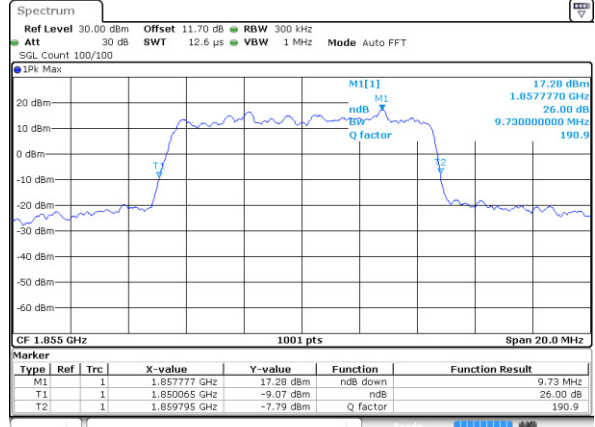
LTE Band 25

Lowest Channel / 10MHz / QPSK



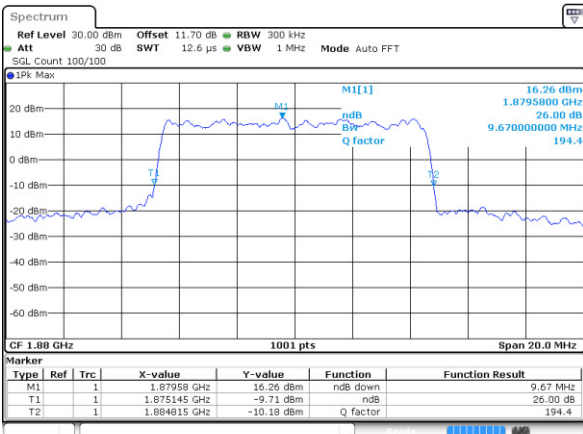
Date: 4 JAN 2018 10:26:42

Lowest Channel / 10MHz / 16QAM



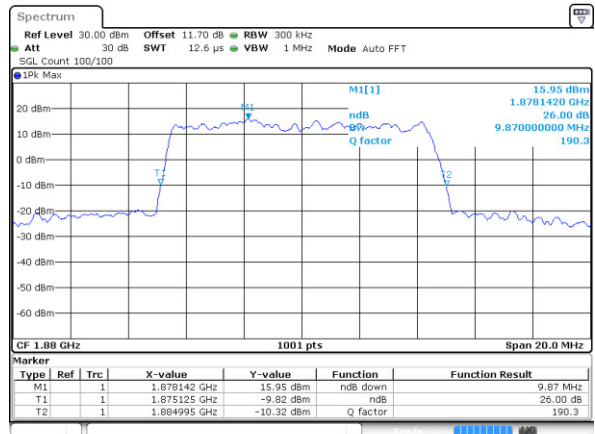
Date: 4 JAN 2018 10:26:52

Middle Channel / 10MHz / QPSK



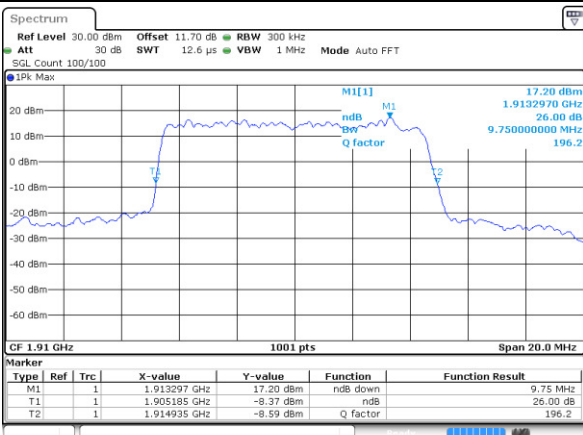
Date: 4 JAN 2018 10:33:46

Middle Channel / 10MHz / 16QAM



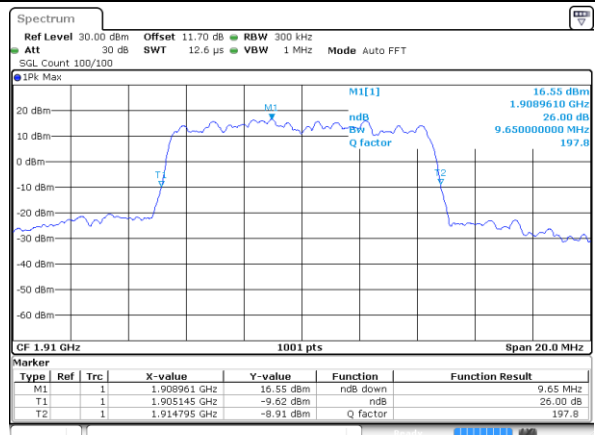
Date: 4 JAN 2018 10:33:56

Highest Channel / 10MHz / QPSK



Date: 4 JAN 2018 10:36:24

Highest Channel / 10MHz / 16QAM



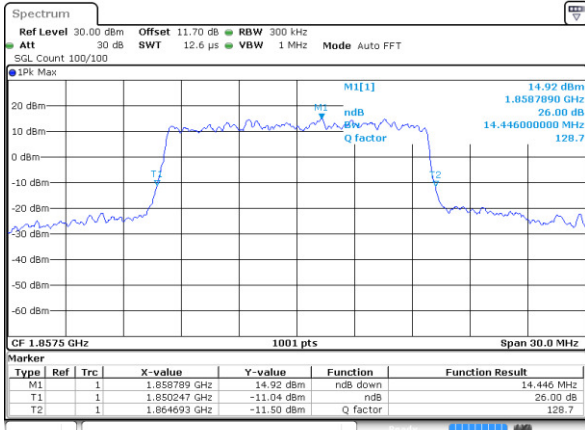
Date: 4 JAN 2018 10:36:14





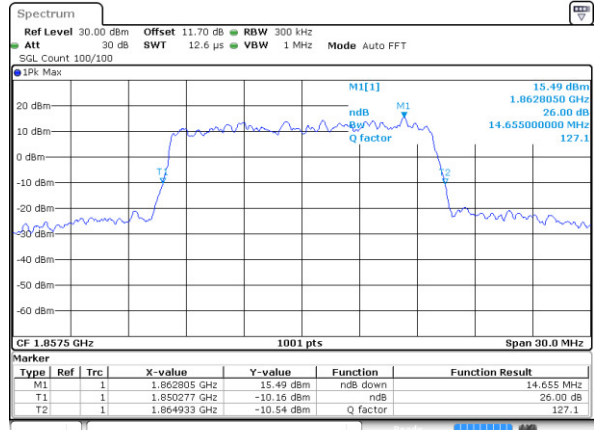
LTE Band 25

Lowest Channel / 15MHz / QPSK



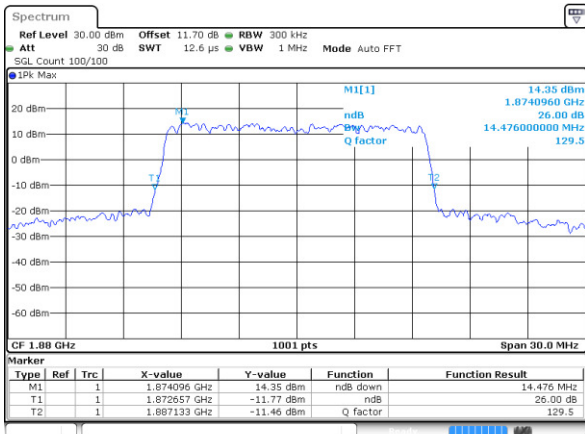
Date: 4 JAN 2018 10:43:17

Lowest Channel / 15MHz / 16QAM



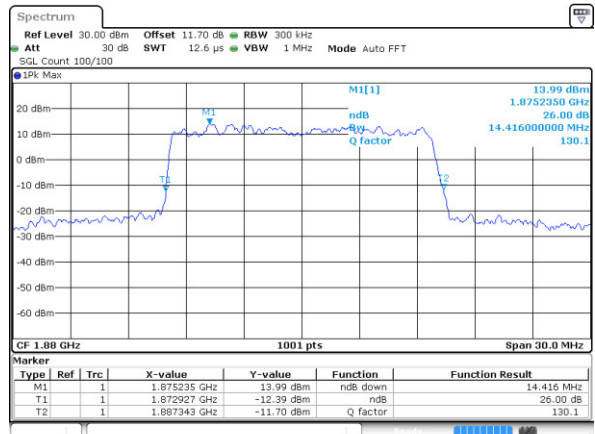
Date: 4 JAN 2018 10:43:27

Middle Channel / 15MHz / QPSK



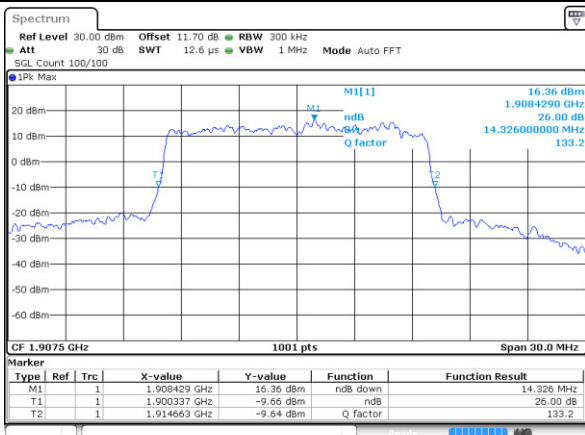
Date: 4 JAN 2018 10:50:20

Middle Channel / 15MHz / 16QAM



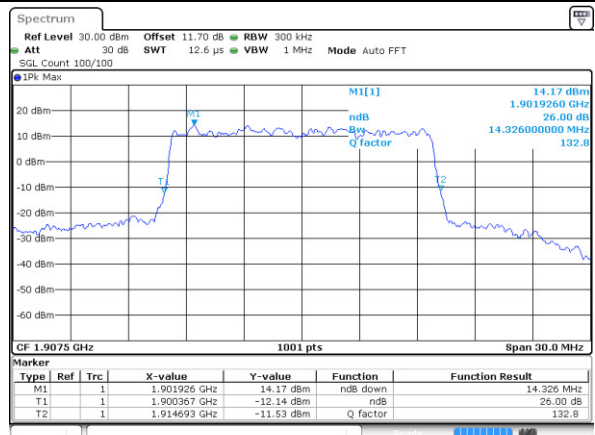
Date: 4 JAN 2018 10:50:30

Highest Channel / 15MHz / QPSK



Date: 4 JAN 2018 10:52:58

Highest Channel / 15MHz / 16QAM

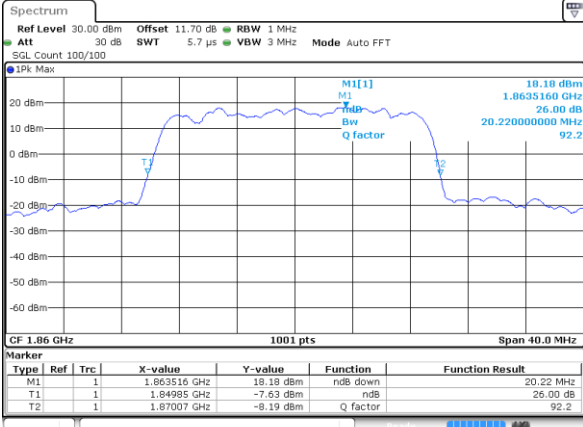


Date: 4 JAN 2018 10:52:48



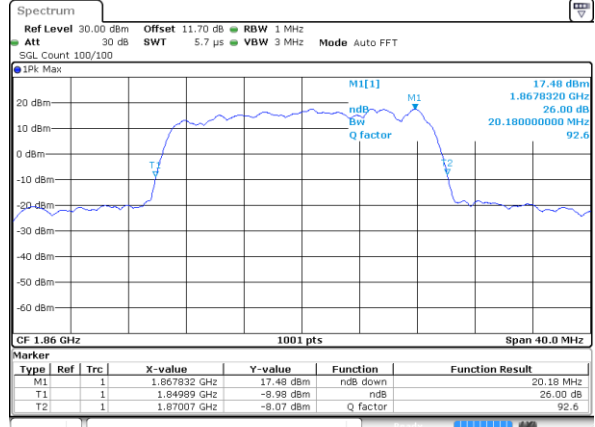
LTE Band 25

Lowest Channel / 20MHz / QPSK



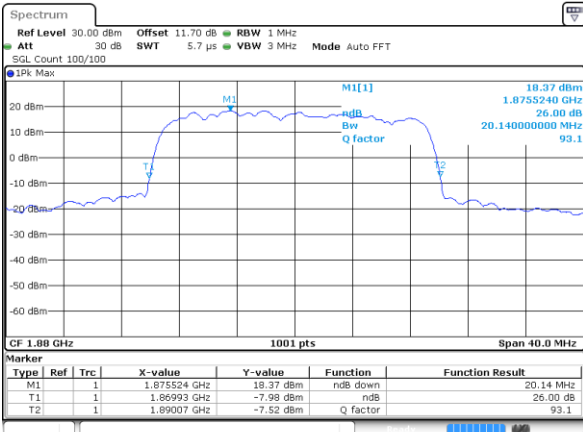
Date: 4 JAN 2018 10:59:51

Lowest Channel / 20MHz / 16QAM



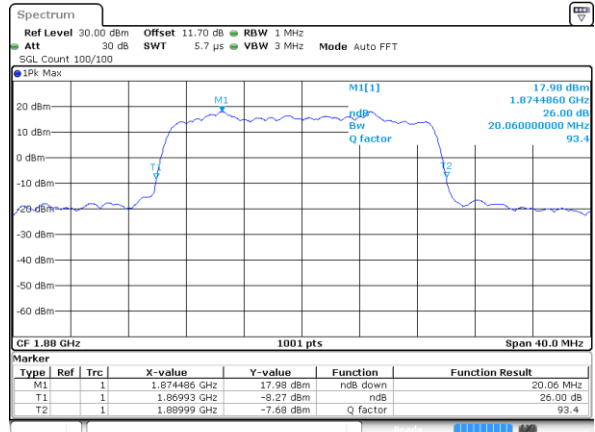
Date: 4 JAN 2018 11:00:01

Middle Channel / 20MHz / QPSK



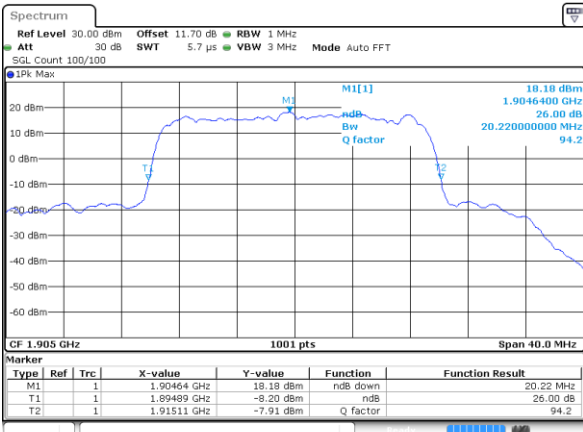
Date: 4 JAN 2018 11:06:54

Middle Channel / 20MHz / 16QAM



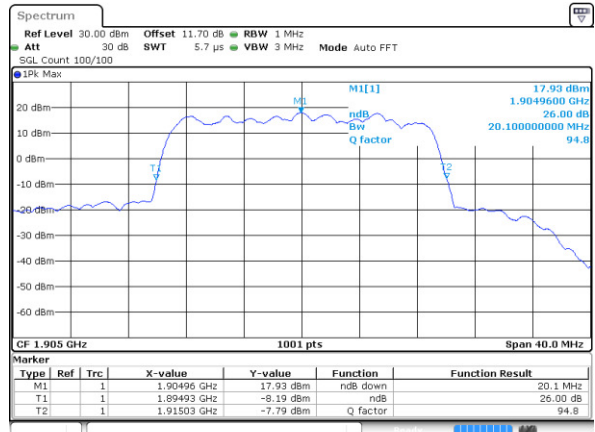
Date: 4 JAN 2018 11:07:04

Highest Channel / 20MHz / QPSK



Date: 4 JAN 2018 11:09:32

Highest Channel / 20MHz / 16QAM



Date: 4 JAN 2018 11:09:22



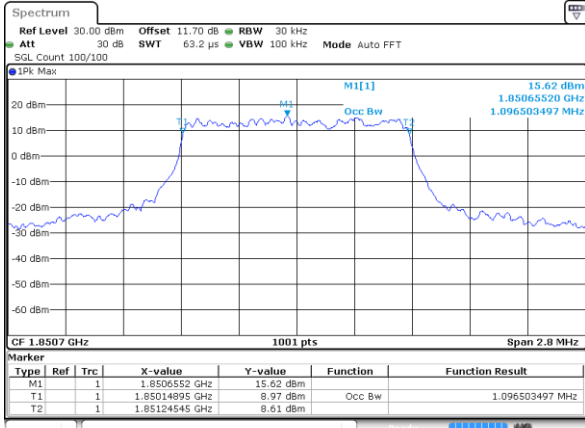
### Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.09	2.72	2.72	4.52	4.5	8.99	8.97	13.43	13.4	18.18	18.38
Middle CH	1.1	1.09	2.72	2.72	4.5	4.5	9.05	9.01	13.37	13.4	18.46	18.14
Highest CH	1.09	1.1	2.72	2.74	4.51	4.49	8.97	8.97	13.34	13.34	18.1	18.3



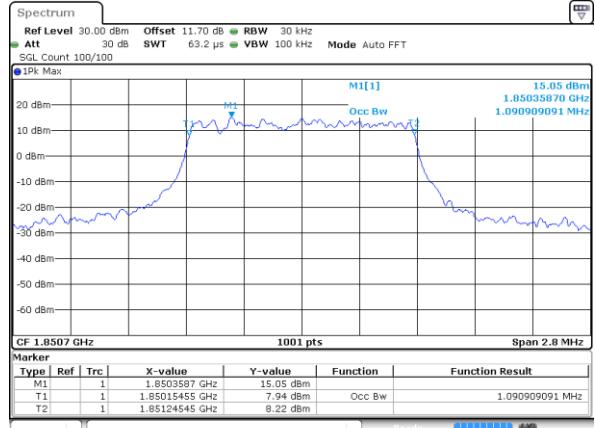
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



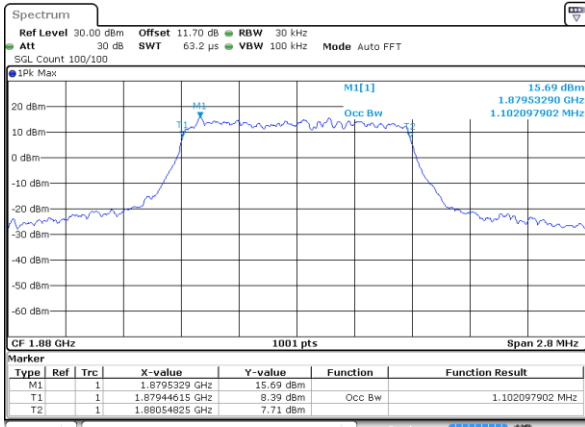
Date: 4 JAN 2018 11:17:34

Lowest Channel / 1.4MHz / 16QAM



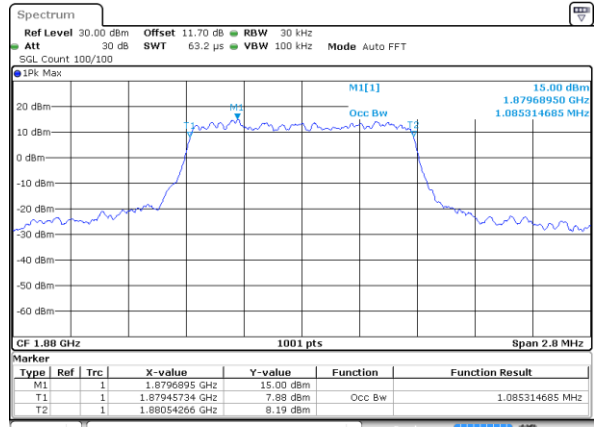
Date: 4 JAN 2018 11:17:45

Middle Channel / 1.4MHz / QPSK



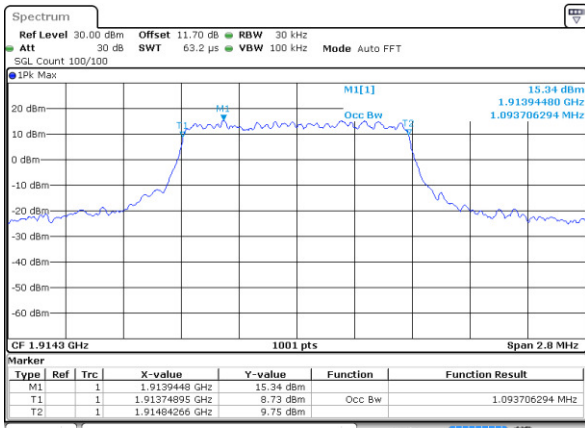
Date: 4 JAN 2018 11:24:37

Middle Channel / 1.4MHz / 16QAM



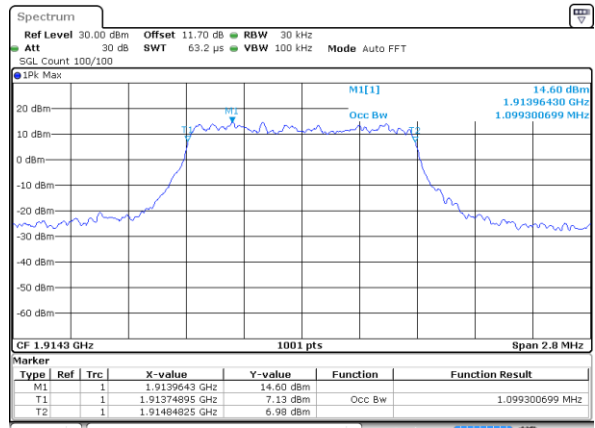
Date: 4 JAN 2018 11:24:47

Highest Channel / 1.4MHz / QPSK



Date: 4 JAN 2018 11:27:05

Highest Channel / 1.4MHz / 16QAM

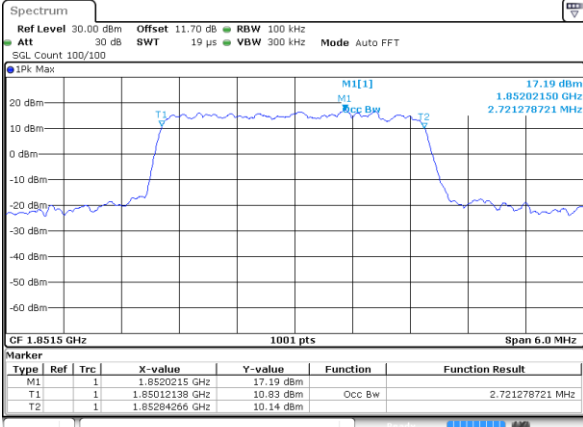


Date: 4 JAN 2018 11:27:15



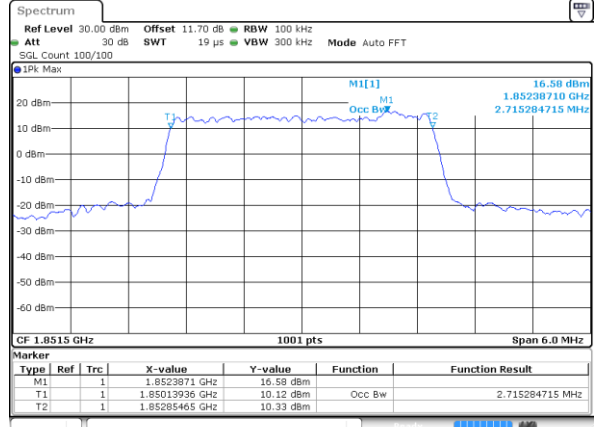
LTE Band 25

Lowest Channel / 3MHz / QPSK



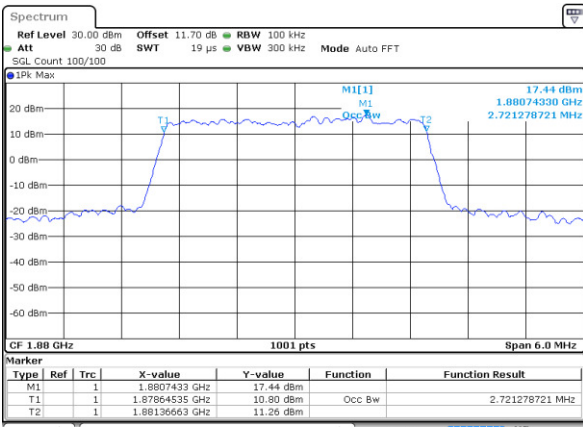
Date: 3 JAN 2018 17:34:54

Lowest Channel / 3MHz / 16QAM



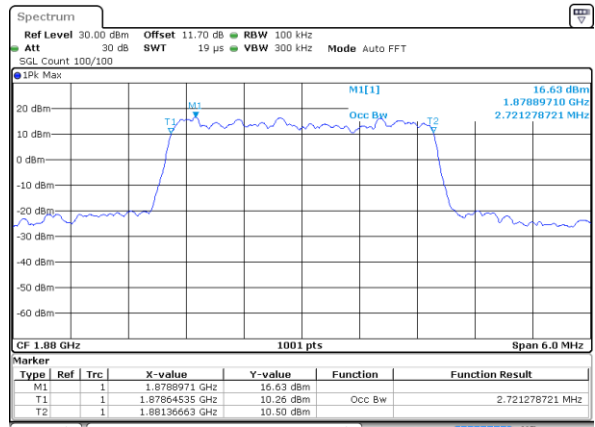
Date: 3 JAN 2018 17:35:04

Middle Channel / 3MHz / QPSK



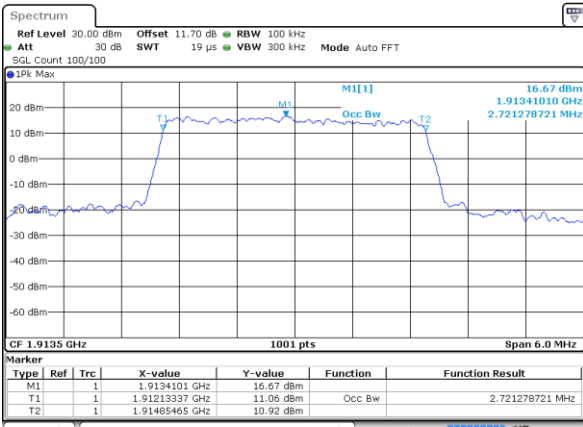
Date: 3 JAN 2018 17:41:58

Middle Channel / 3MHz / 16QAM



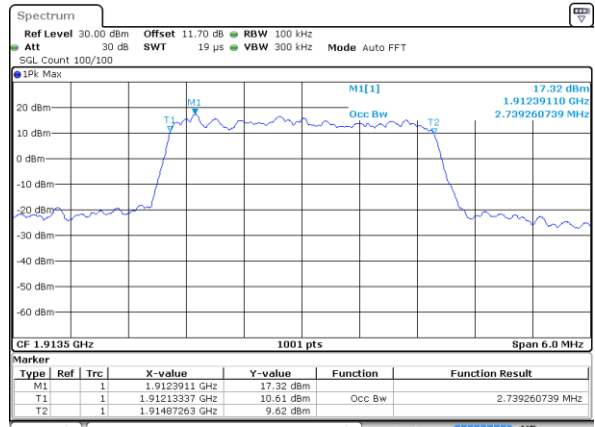
Date: 3 JAN 2018 17:42:08

Highest Channel / 3MHz / QPSK



Date: 3 JAN 2018 17:44:26

Highest Channel / 3MHz / 16QAM

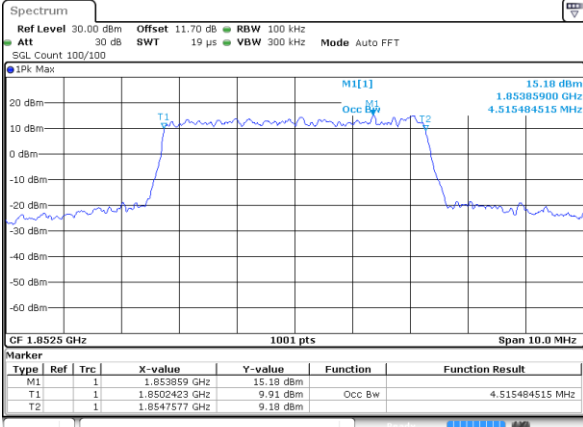


Date: 3 JAN 2018 17:44:36



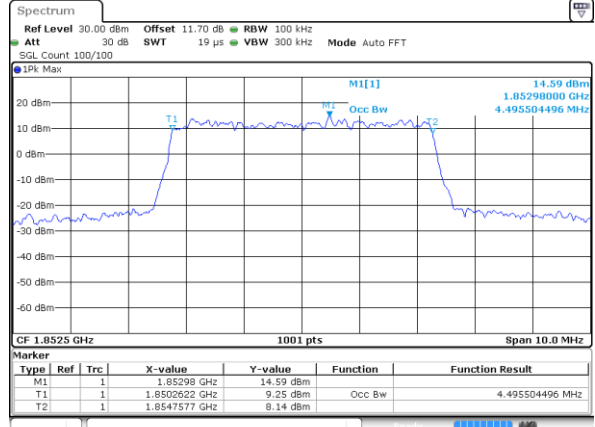
LTE Band 25

Lowest Channel / 5MHz / QPSK



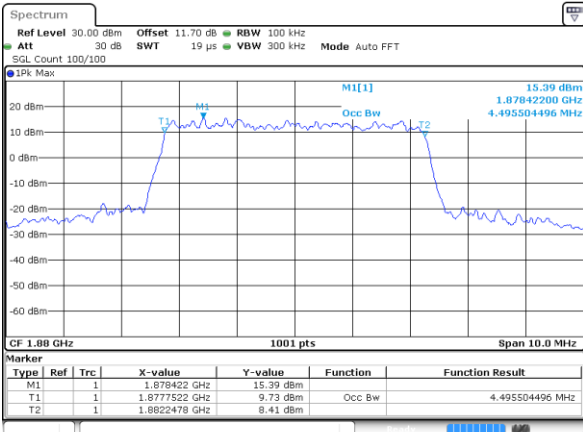
Date: 3 JAN 2018 17:51:29

Lowest Channel / 5MHz / 16QAM



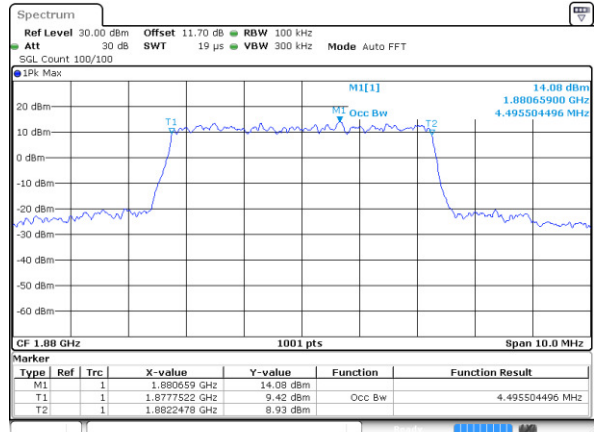
Date: 3 JAN 2018 17:51:39

Middle Channel / 5MHz / QPSK



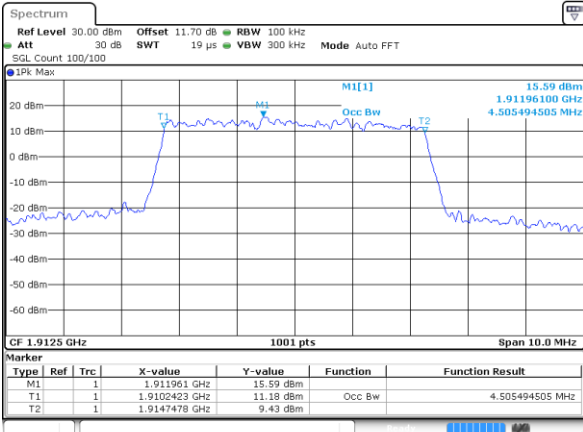
Date: 3 JAN 2018 17:58:32

Middle Channel / 5MHz / 16QAM



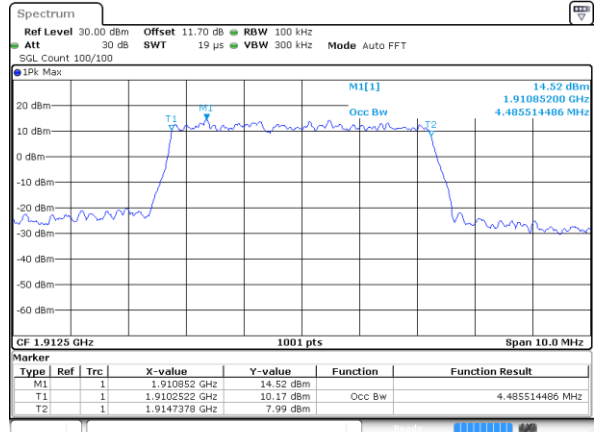
Date: 3 JAN 2018 17:58:42

Highest Channel / 5MHz / QPSK



Date: 3 JAN 2018 18:01:00

Highest Channel / 5MHz / 16QAM

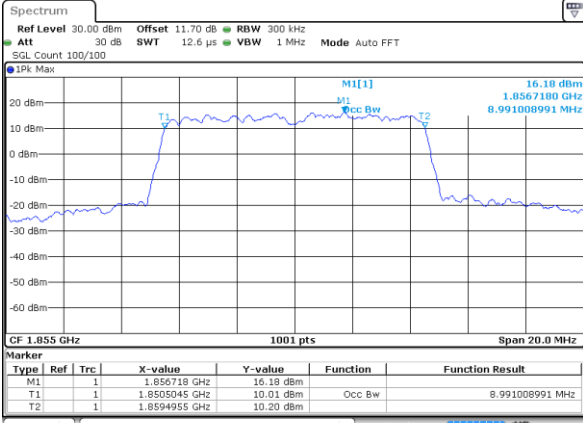


Date: 3 JAN 2018 18:01:10



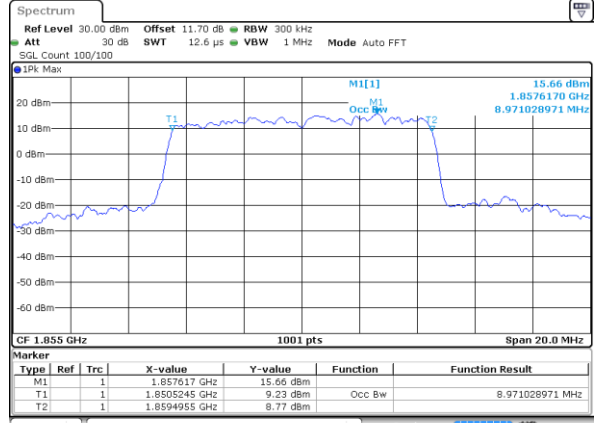
LTE Band 25

Lowest Channel / 10MHz / QPSK



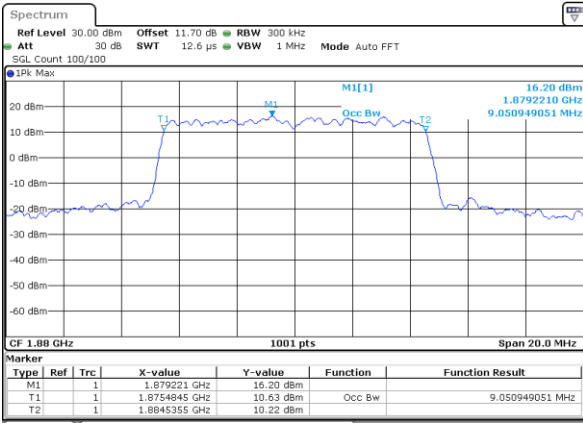
Date: 4 JAN 2018 10:26:22

Lowest Channel / 10MHz / 16QAM



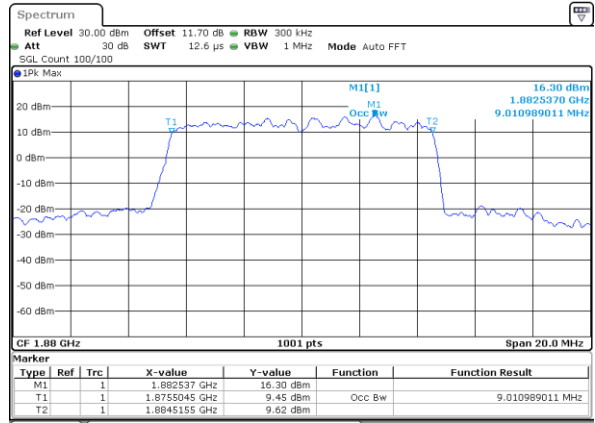
Date: 4 JAN 2018 10:26:32

Middle Channel / 10MHz / QPSK



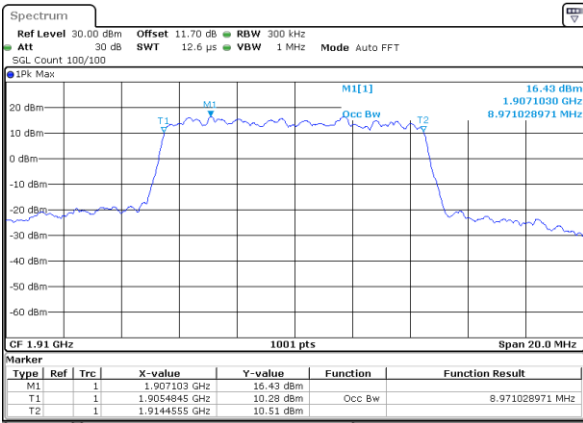
Date: 4 JAN 2018 10:33:26

Middle Channel / 10MHz / 16QAM



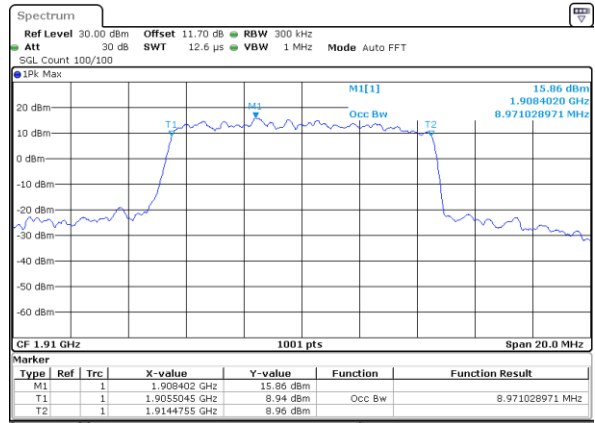
Date: 4 JAN 2018 10:33:36

Highest Channel / 10MHz / QPSK



Date: 4 JAN 2018 10:35:54

Highest Channel / 10MHz / 16QAM



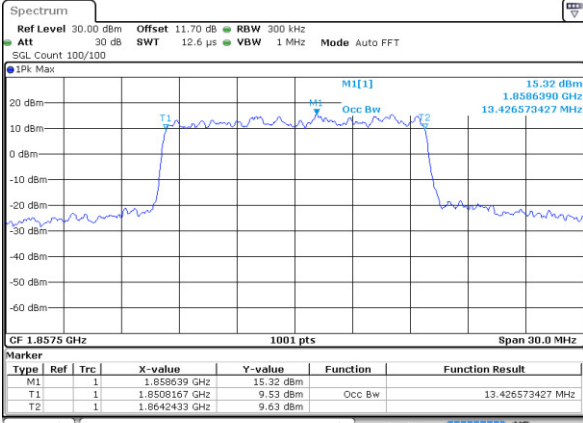
Date: 4 JAN 2018 10:36:04





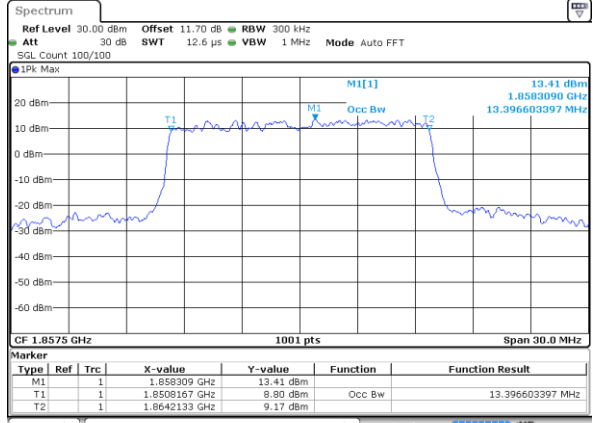
LTE Band 25

Lowest Channel / 15MHz / QPSK



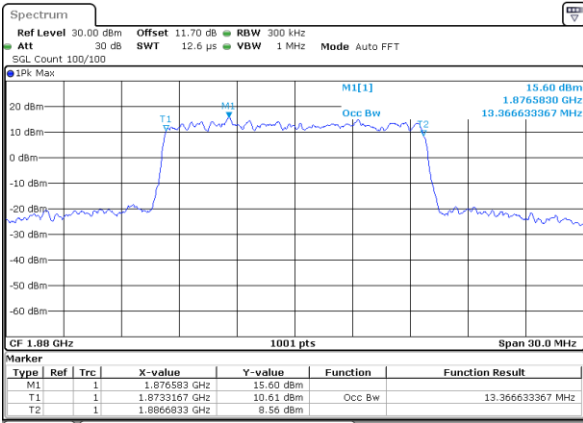
Date: 4 JAN 2018 10:42:57

Lowest Channel / 15MHz / 16QAM



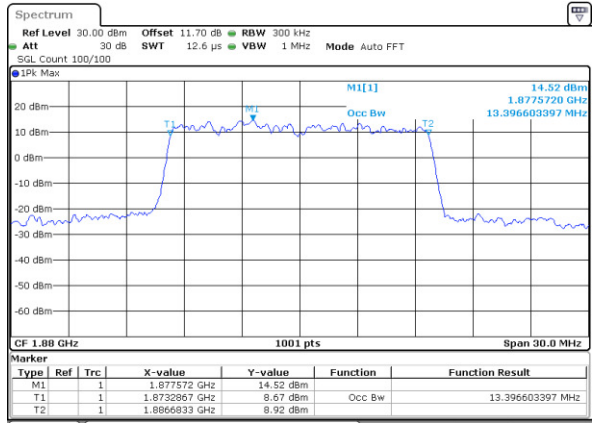
Date: 4 JAN 2018 10:43:07

Middle Channel / 15MHz / QPSK



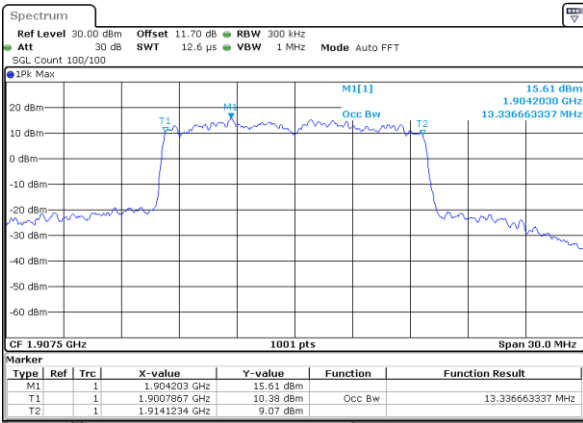
Date: 4 JAN 2018 10:50:00

Middle Channel / 15MHz / 16QAM



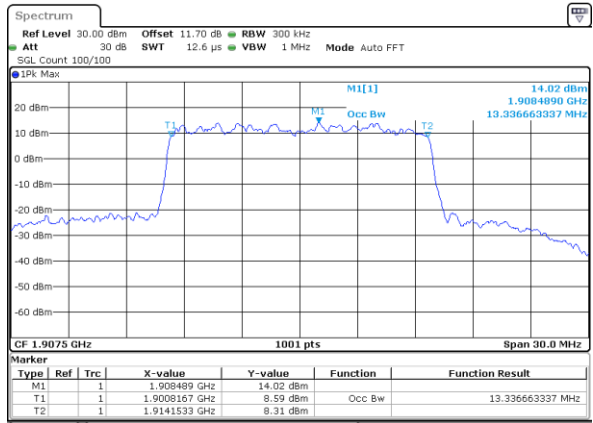
Date: 4 JAN 2018 10:50:10

Highest Channel / 15MHz / QPSK



Date: 4 JAN 2018 10:52:28

Highest Channel / 15MHz / 16QAM

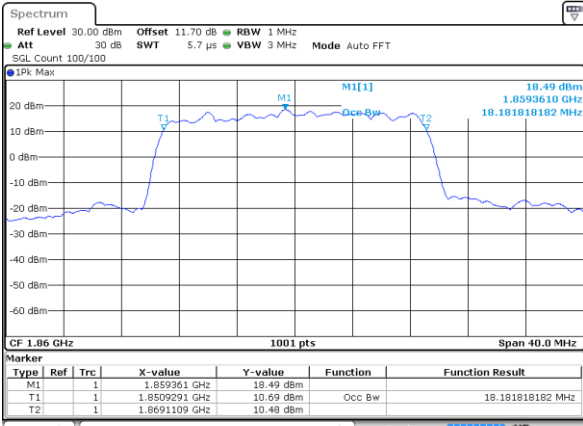


Date: 4 JAN 2018 10:52:38



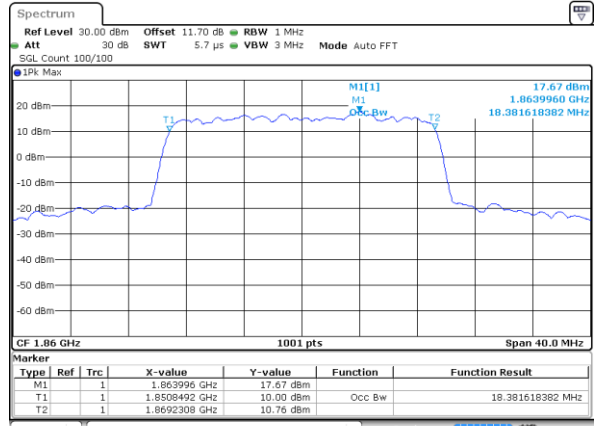
LTE Band 25

Lowest Channel / 20MHz / QPSK



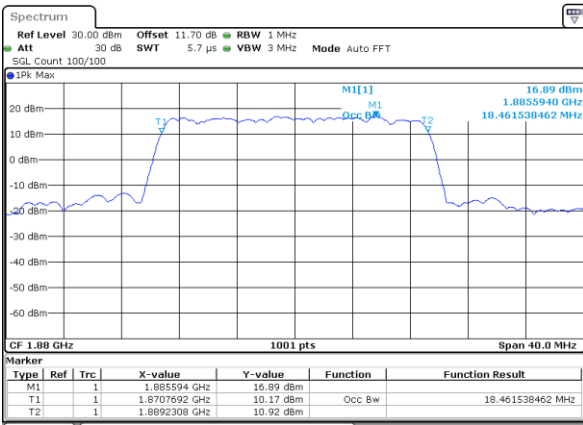
Date: 4 JAN 2018 10:59:31

Lowest Channel / 20MHz / 16QAM



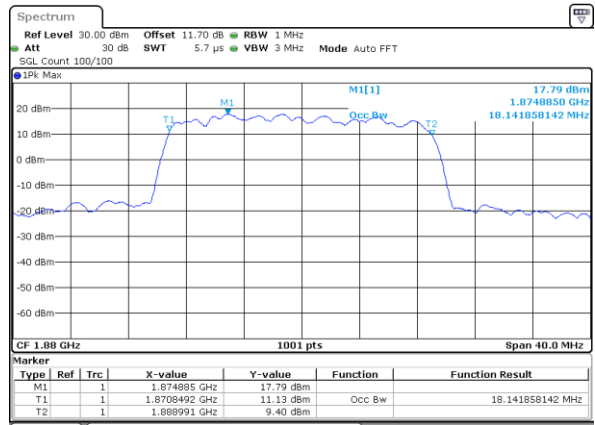
Date: 4 JAN 2018 10:59:41

Middle Channel / 20MHz / QPSK



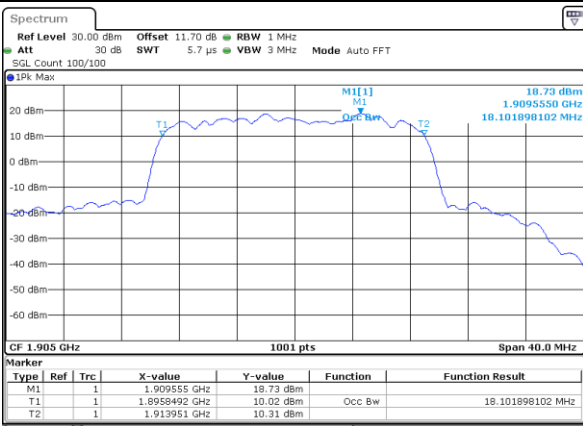
Date: 4 JAN 2018 11:06:34

Middle Channel / 20MHz / 16QAM



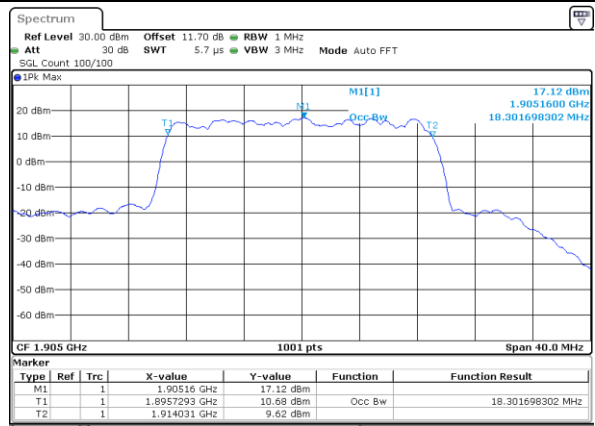
Date: 4 JAN 2018 11:06:44

Highest Channel / 20MHz / QPSK



Date: 4 JAN 2018 11:09:02

Highest Channel / 20MHz / 16QAM



Date: 4 JAN 2018 11:09:12

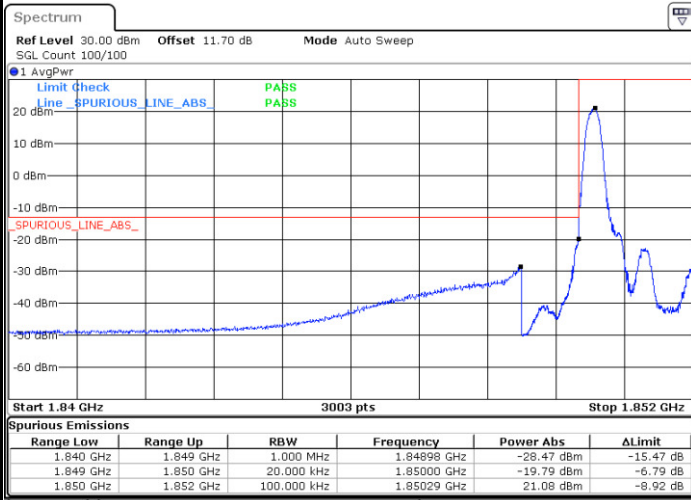


**Conducted Band Edge**



LTE Band 25 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



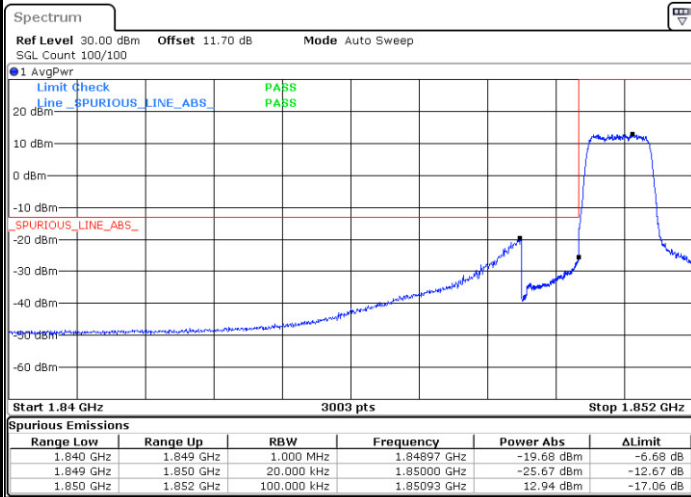
Date: 9 JAN 2018 21:51:08

Highest Band Edge / 1RB



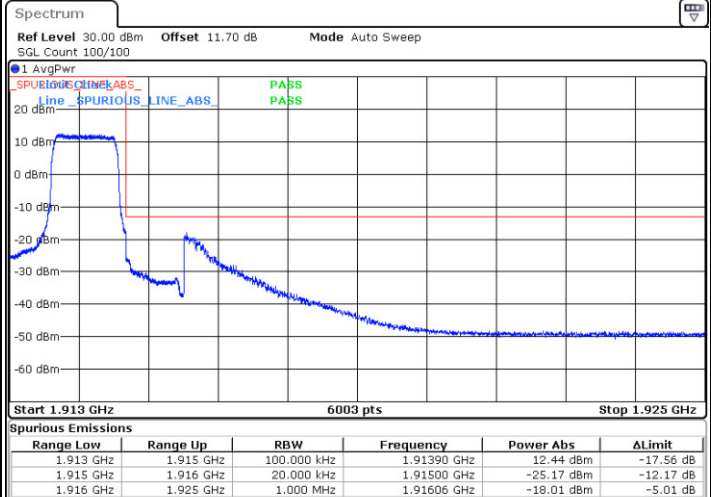
Date: 4 JAN 2018 11:32:10

Lowest Band Edge / Full RB



Date: 4 JAN 2018 11:21:30

Highest Band Edge / Full RB



Date: 4 JAN 2018 11:28:44



**LTE Band 25 / 1.4MHz / 16QAM**

