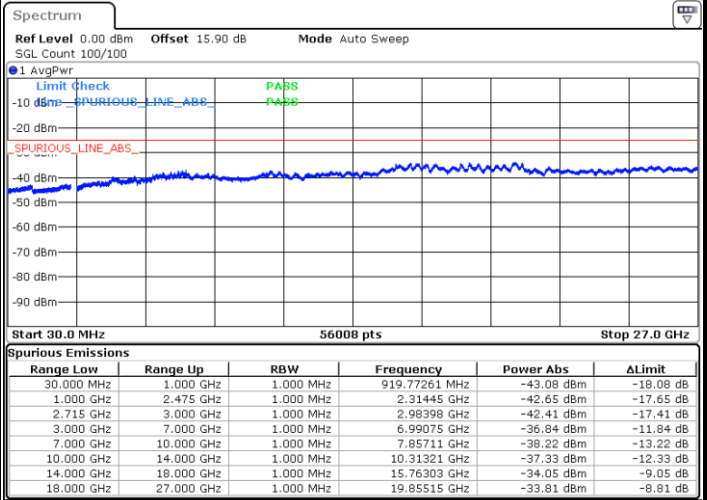
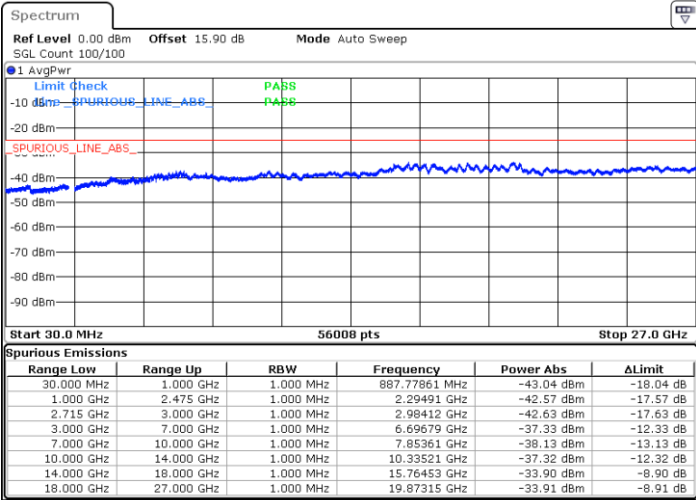




LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

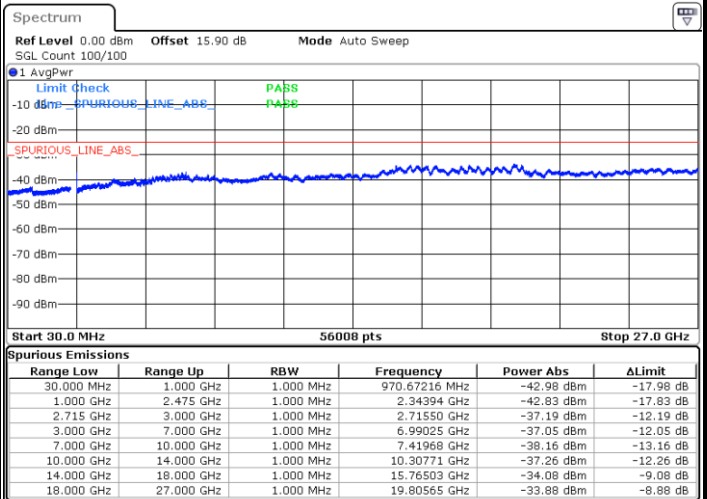
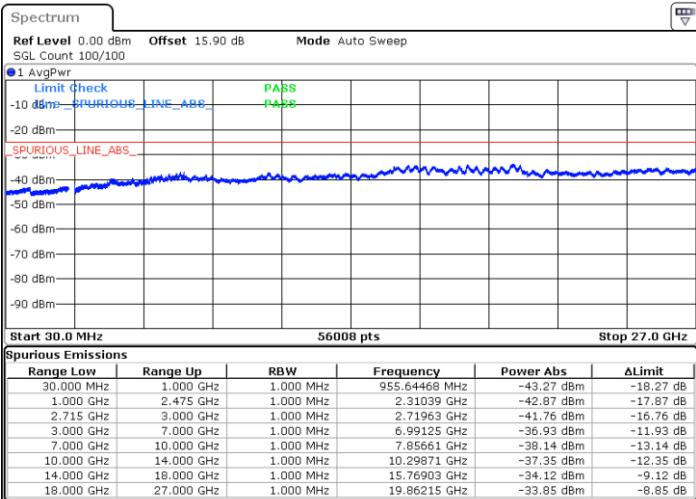


Date: 7. JAN 2018 14:57:59

Date: 7. JAN 2018 14:58:52

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7. JAN 2018 14:59:46

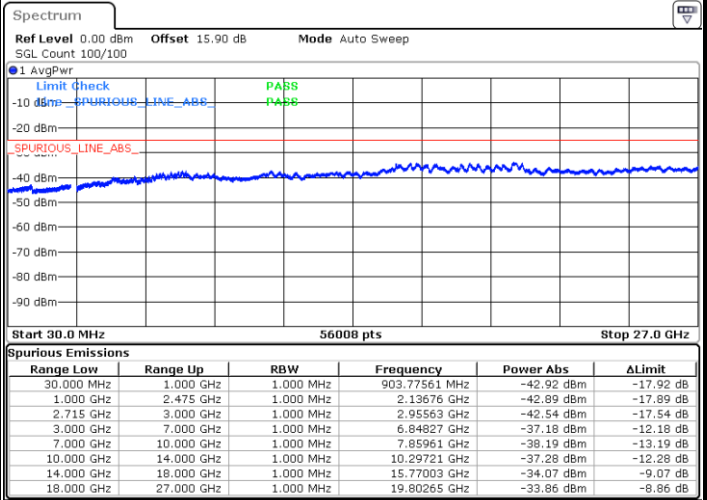
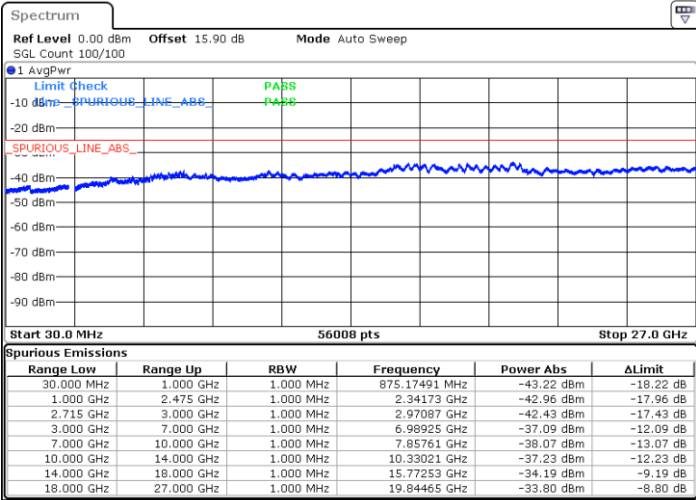
Date: 7. JAN 2018 15:00:40



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

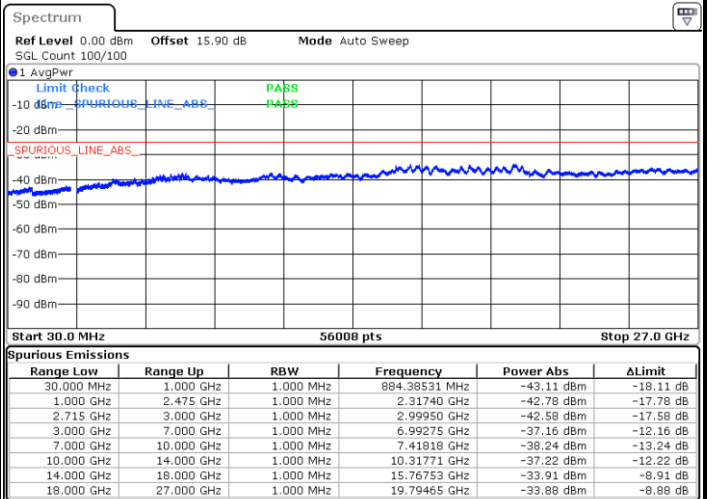
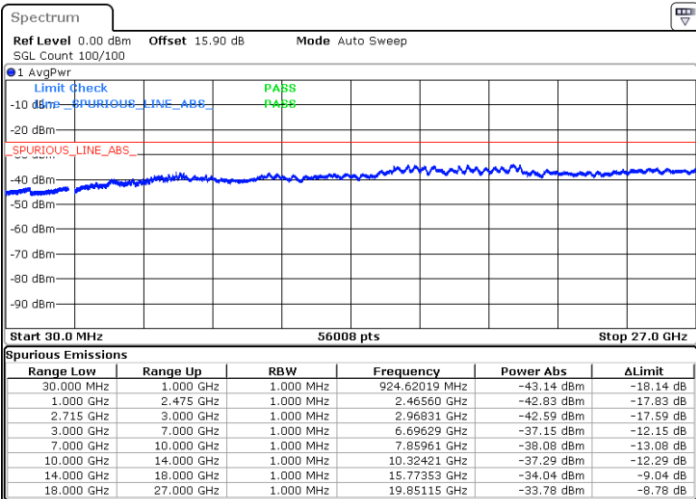


Date: 7. JAN 2018 15:01:35

Date: 7. JAN 2018 15:02:28

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7. JAN 2018 15:03:23

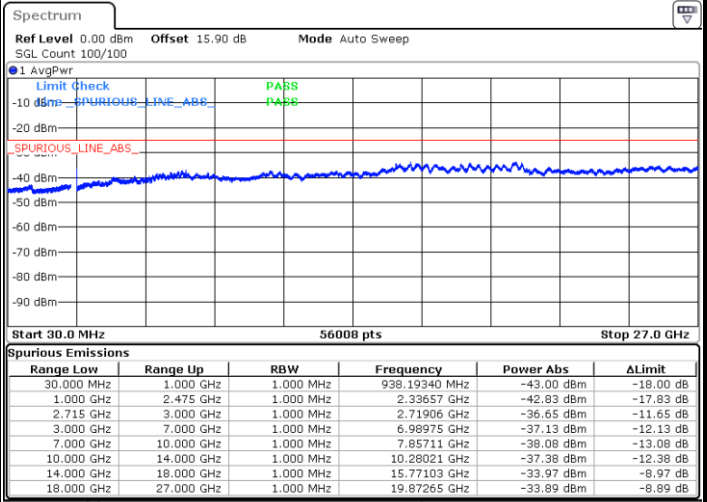
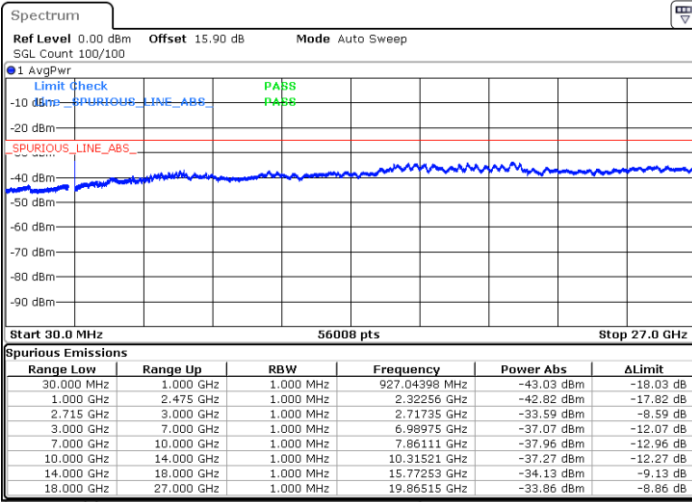
Date: 7. JAN 2018 15:04:17



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



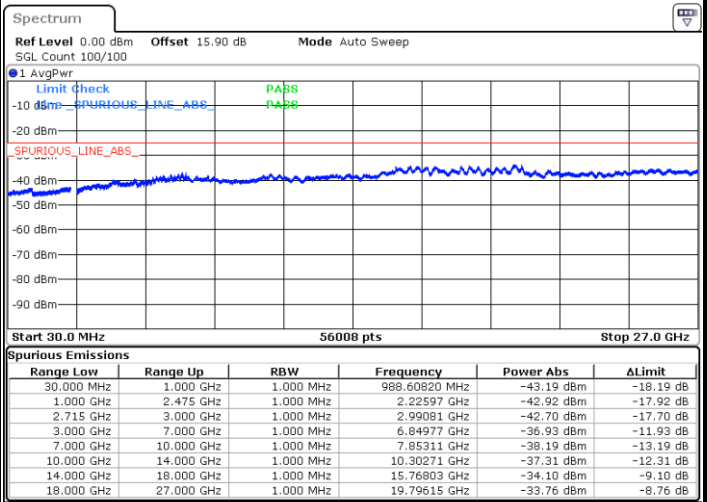
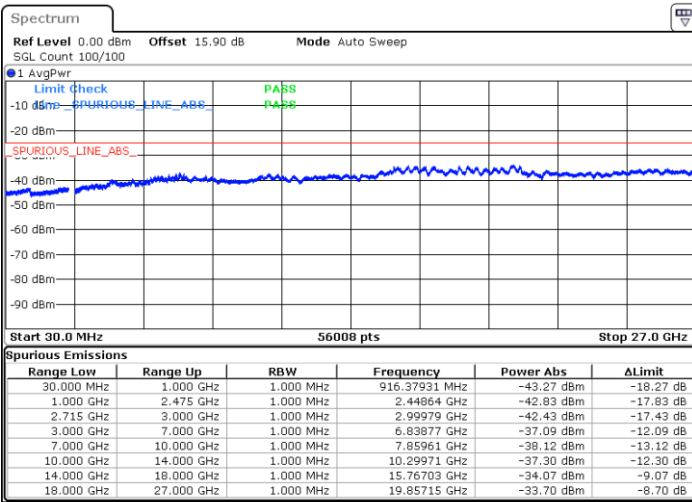
Date: 7.JAN 2018 15:05:10

Date: 7.JAN 2018 15:06:05

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 7.JAN 2018 15:06:58

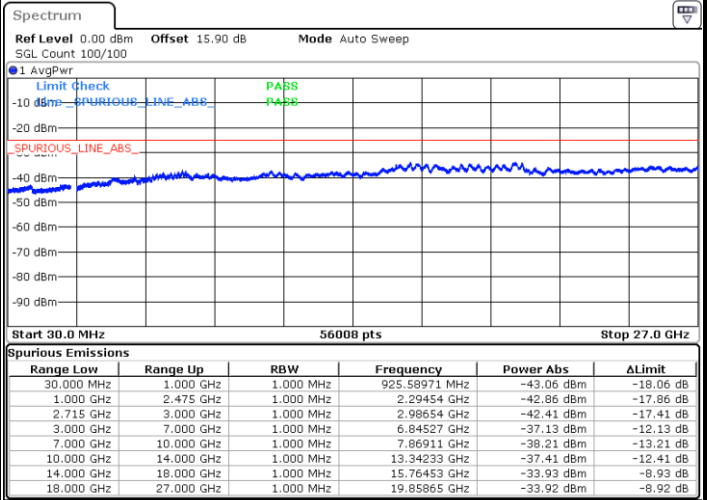
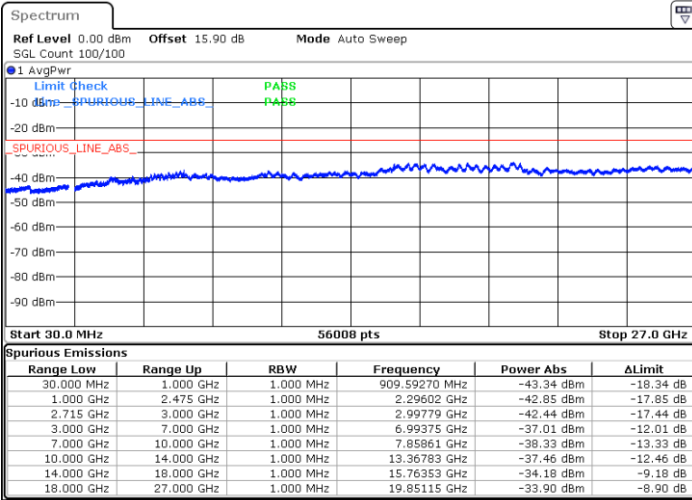
Date: 7.JAN 2018 15:07:53



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

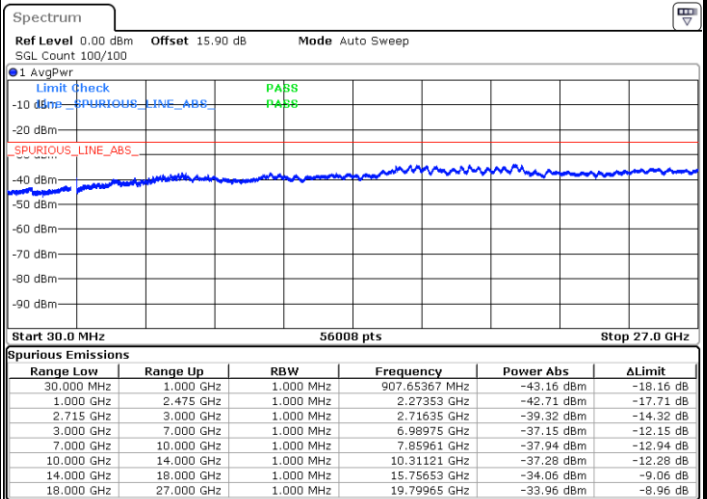
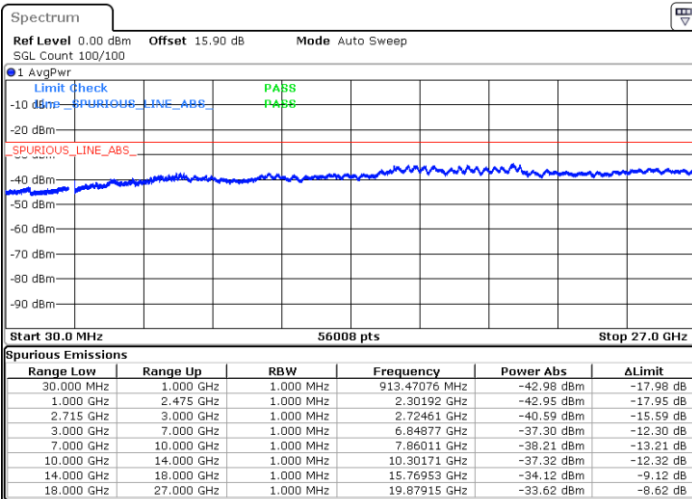


Date: 7.JAN 2018 15:08:47

Date: 7.JAN 2018 15:09:41

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 7.JAN 2018 15:10:35

Date: 7.JAN 2018 15:11:29



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

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 66

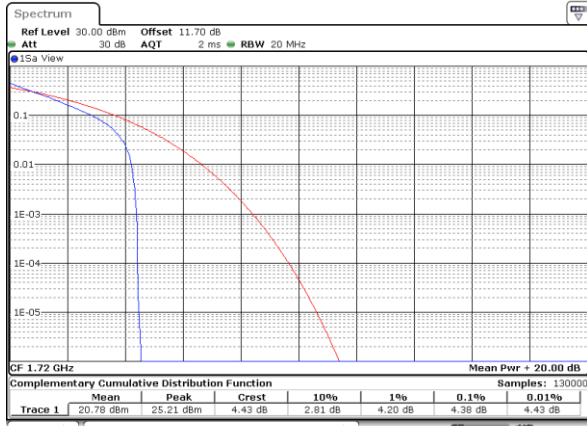
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	4.55	5.42	5.59	PASS
Middle CH	3.77	4.84	5.16	5.88	
Highest CH	4.32	4.99	5.25	6	



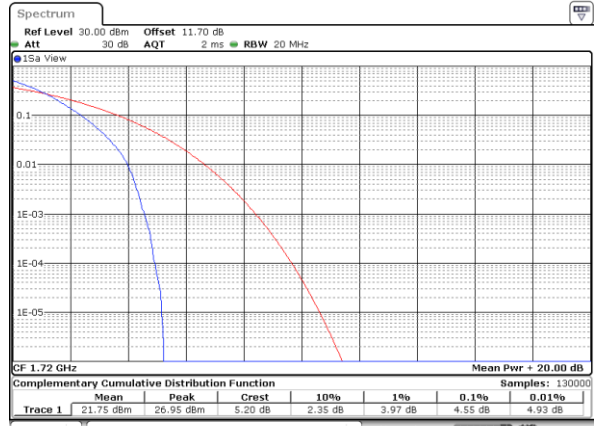
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



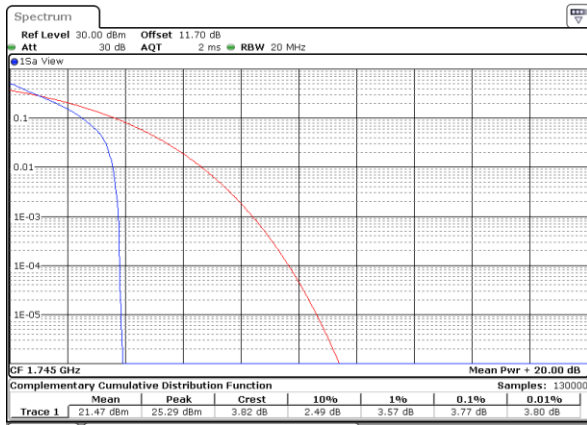
Date: 7 JAN 2018 13:51:38

Lowest Channel / Full RB



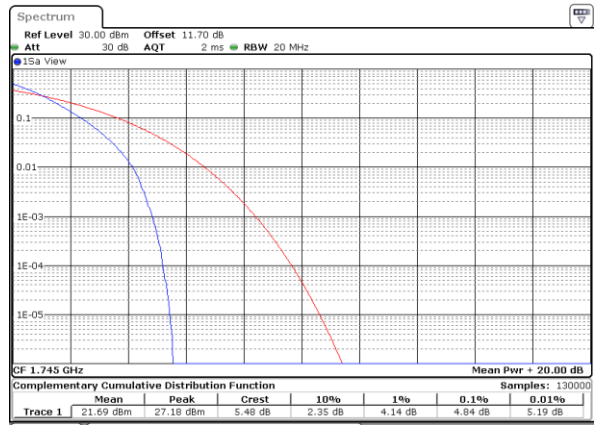
Date: 7 JAN 2018 13:53:44

Middle Channel / 1RB



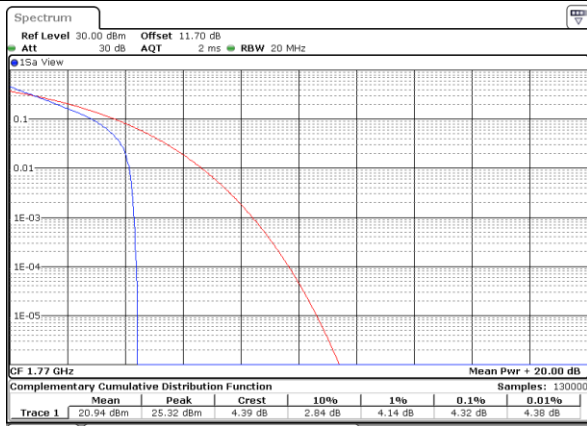
Date: 7 JAN 2018 13:54:11

Middle Channel / Full RB



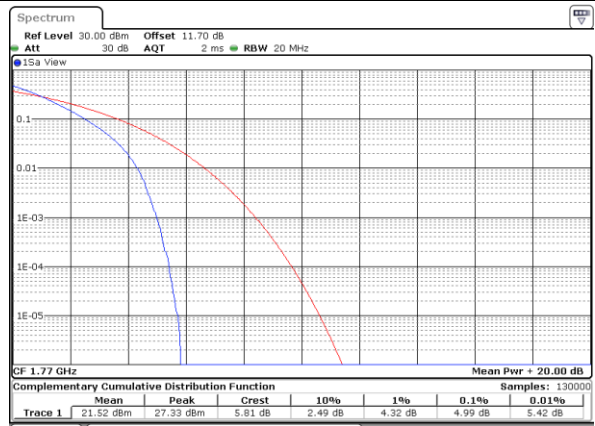
Date: 7 JAN 2018 13:54:21

Highest Channel / 1RB



Date: 7 JAN 2018 13:54:36

Highest Channel / Full RB

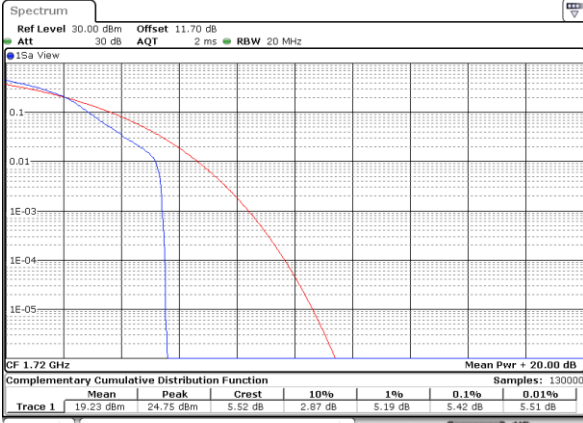


Date: 7 JAN 2018 13:54:44



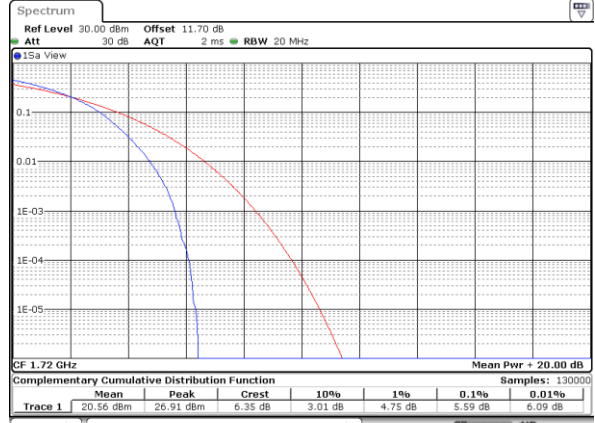
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



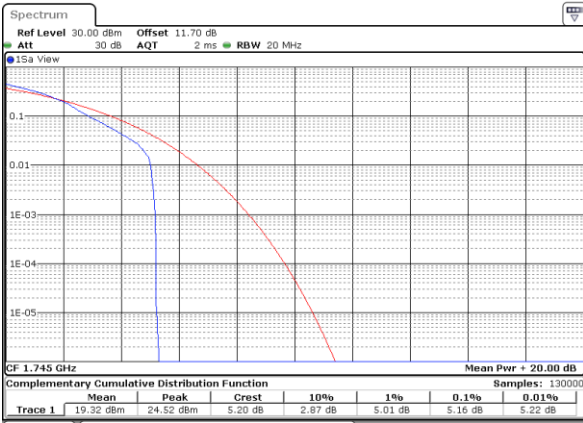
Date: 7 JAN 2018 13:40:41

Lowest Channel / Full RB



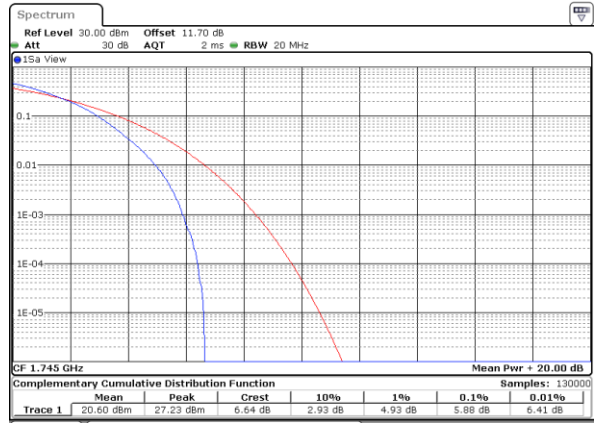
Date: 7 JAN 2018 13:40:50

Middle Channel / 1RB



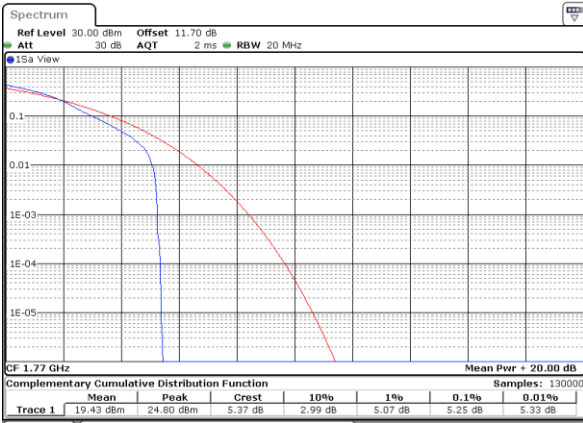
Date: 7 JAN 2018 13:41:34

Middle Channel / Full RB



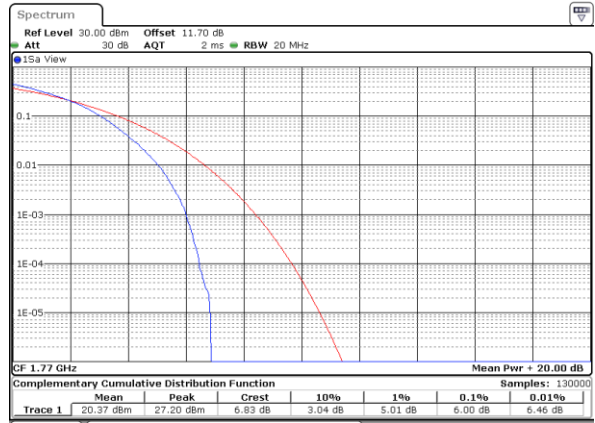
Date: 7 JAN 2018 13:50:43

Highest Channel / 1RB



Date: 7 JAN 2018 13:51:06

Highest Channel / Full RB



Date: 7 JAN 2018 13:51:22



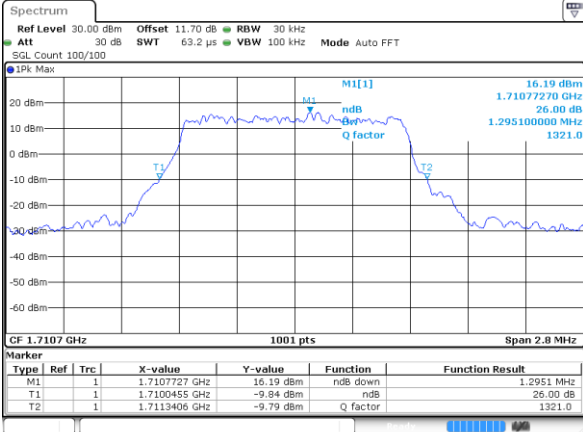
26dB Bandwidth

Mode	LTE Band 66 : 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	1.30	1.26	3.03	3.00	4.93	4.95	9.89	9.83	14.51	14.42	20.10	20.26
Middle CH	1.26	1.25	3.04	3.03	4.83	4.92	9.65	9.83	14.21	14.27	20.30	20.30
Highest CH	1.26	1.28	2.98	2.99	4.99	4.92	10.01	9.85	14.45	14.57	20.14	20.10



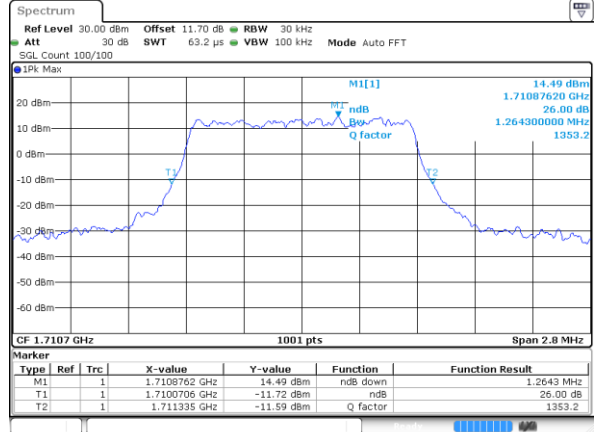
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



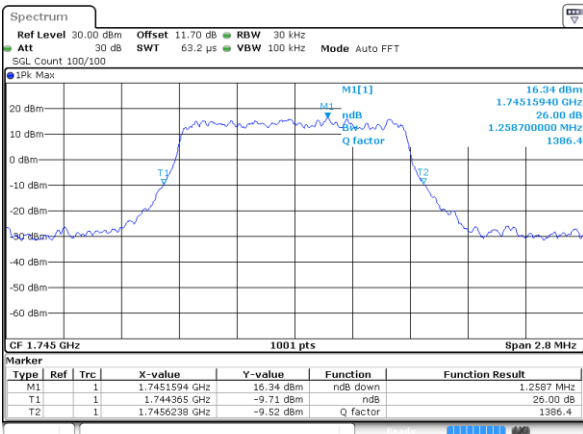
Date: 7 JAN 2018 13:19:46

Lowest Channel / 1.4MHz / 16QAM



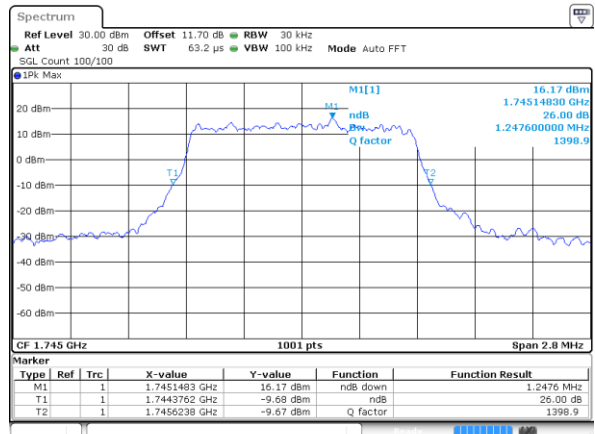
Date: 7 JAN 2018 13:19:56

Middle Channel / 1.4MHz / QPSK



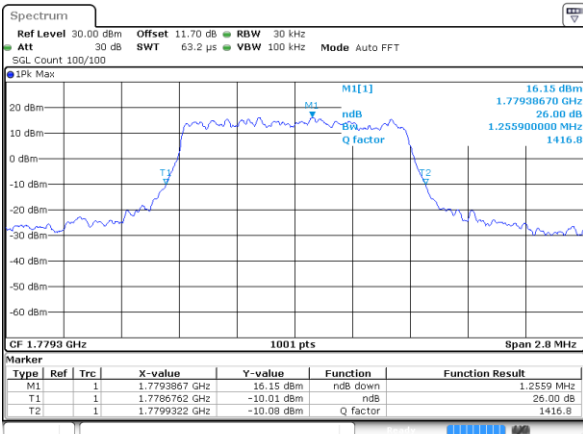
Date: 7 JAN 2018 13:26:50

Middle Channel / 1.4MHz / 16QAM



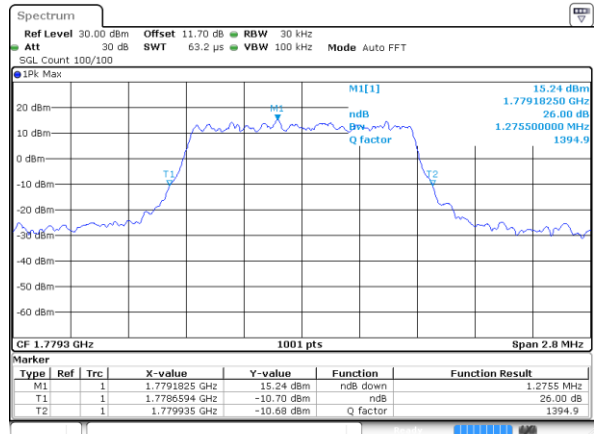
Date: 7 JAN 2018 13:27:00

Highest Channel / 1.4MHz / QPSK



Date: 7 JAN 2018 13:29:46

Highest Channel / 1.4MHz / 16QAM

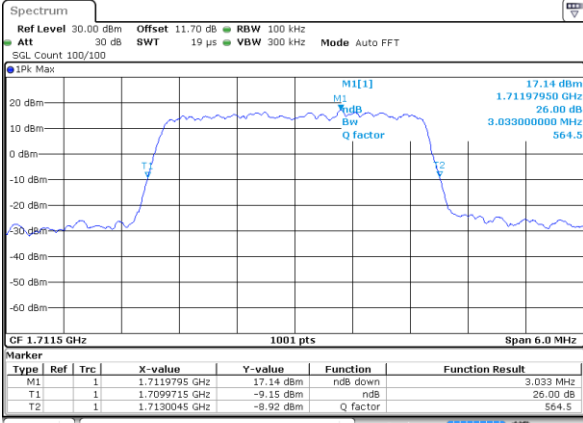


Date: 7 JAN 2018 13:29:56



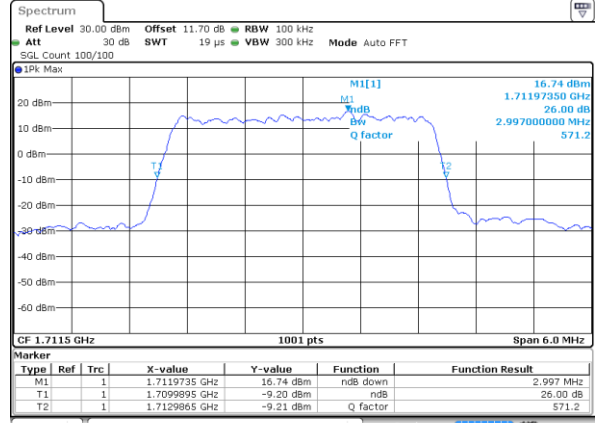
LTE Band 66

Lowest Channel / 3MHz / QPSK



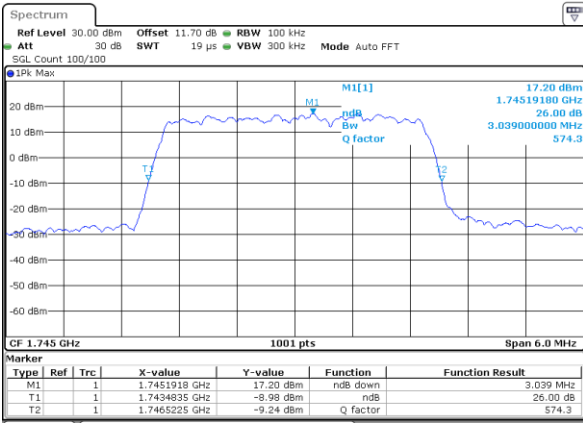
Date: 7 JAN 2018 11:41:03

Lowest Channel / 3MHz / 16QAM



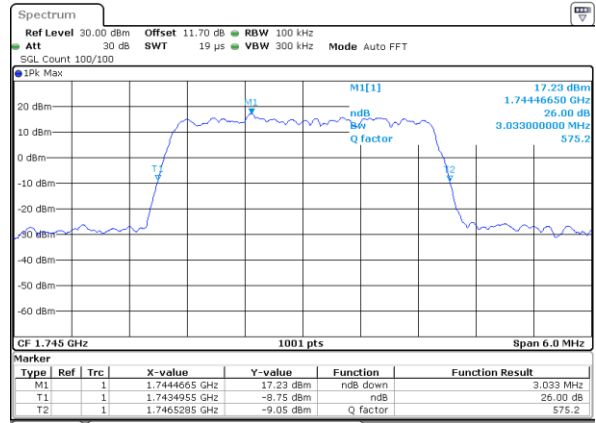
Date: 7 JAN 2018 11:41:13

Middle Channel / 3MHz / QPSK



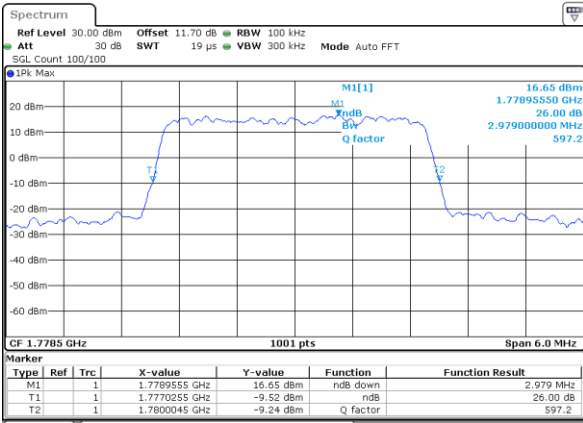
Date: 7 JAN 2018 11:48:07

Middle Channel / 3MHz / 16QAM



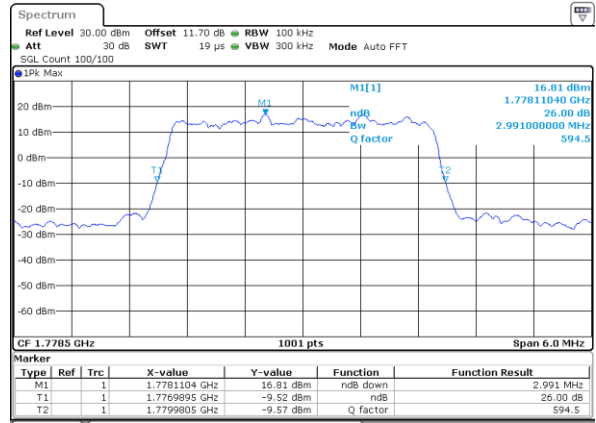
Date: 7 JAN 2018 11:48:18

Highest Channel / 3MHz / QPSK



Date: 7 JAN 2018 11:50:37

Highest Channel / 3MHz / 16QAM

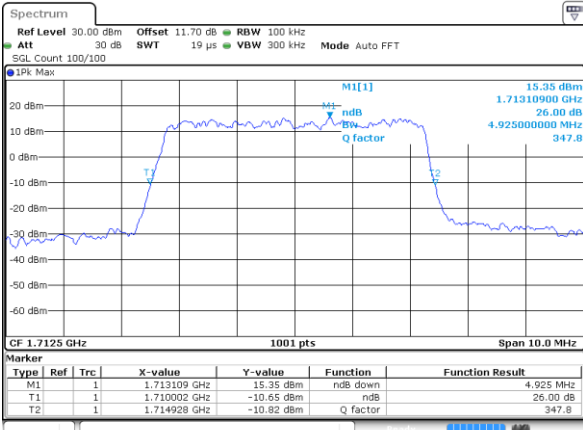


Date: 7 JAN 2018 11:50:47



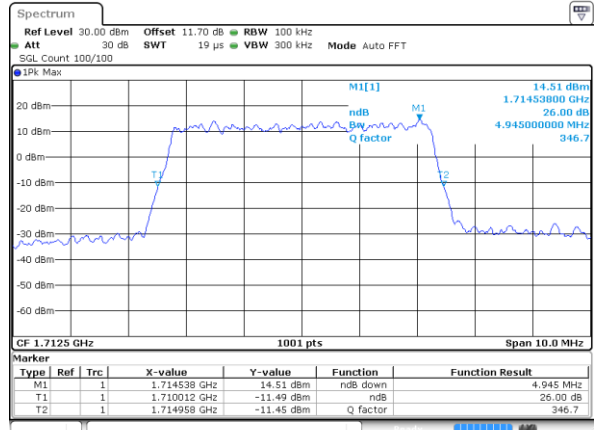
LTE Band 66

Lowest Channel / 5MHz / QPSK



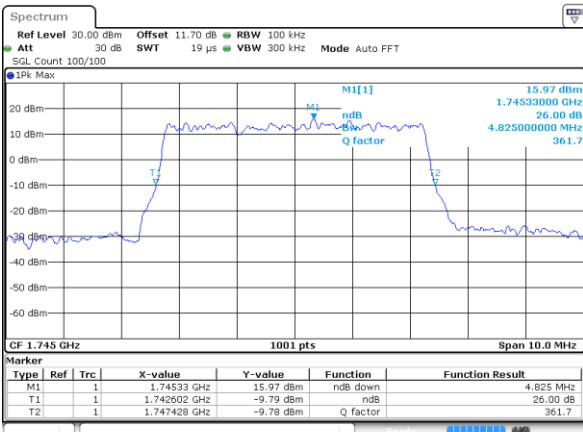
Date: 7 JAN 2018 11:57:41

Lowest Channel / 5MHz / 16QAM



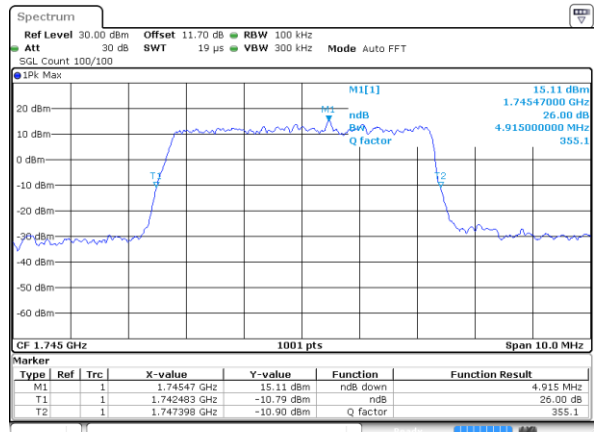
Date: 7 JAN 2018 11:57:51

Middle Channel / 5MHz / QPSK



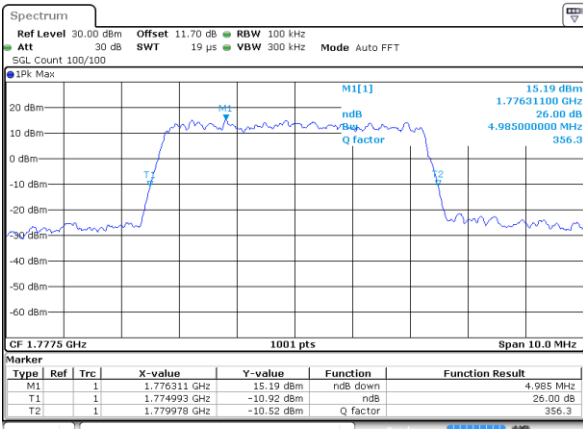
Date: 7 JAN 2018 12:04:45

Middle Channel / 5MHz / 16QAM



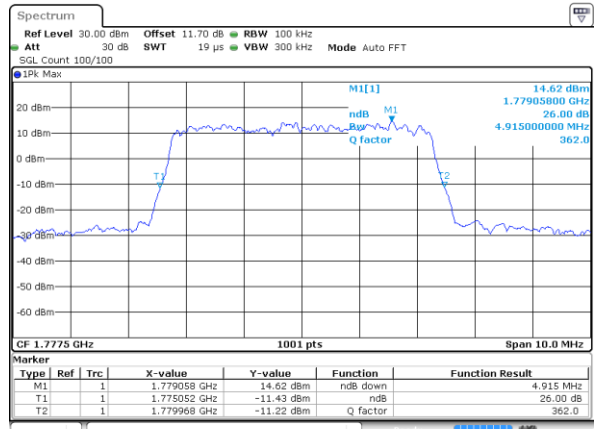
Date: 7 JAN 2018 12:04:55

Highest Channel / 5MHz / QPSK



Date: 7 JAN 2018 12:07:14

Highest Channel / 5MHz / 16QAM

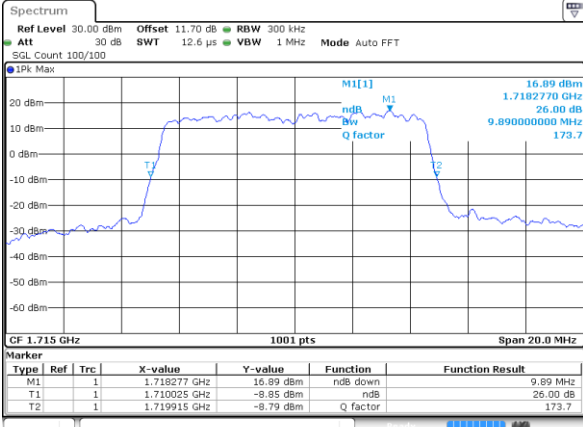


Date: 7 JAN 2018 12:07:24



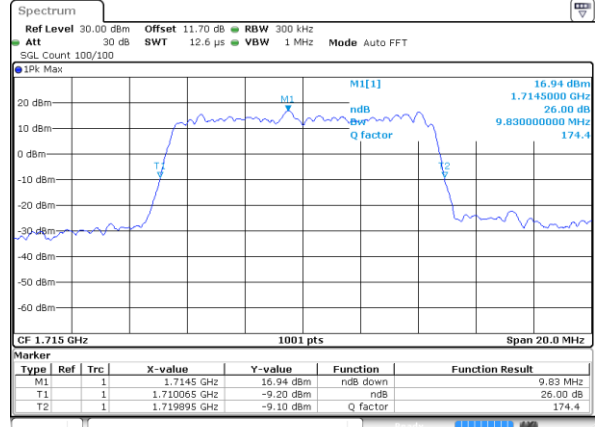
LTE Band 66

Lowest Channel / 10MHz / QPSK



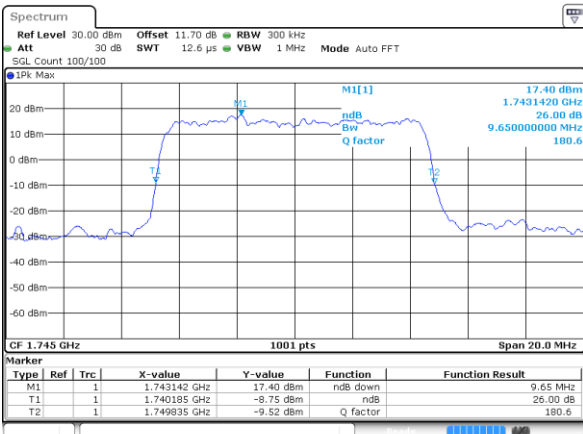
Date: 7 JAN 2018 12:14:18

Lowest Channel / 10MHz / 16QAM



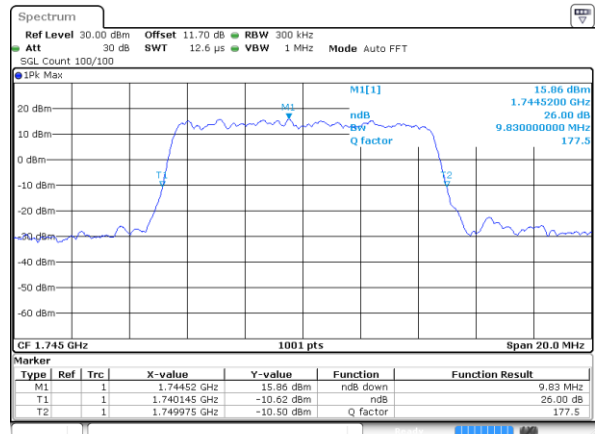
Date: 7 JAN 2018 12:14:28

Middle Channel / 10MHz / QPSK



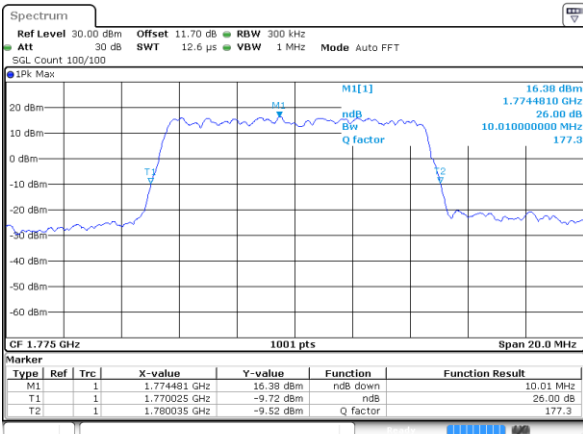
Date: 7 JAN 2018 12:21:22

Middle Channel / 10MHz / 16QAM



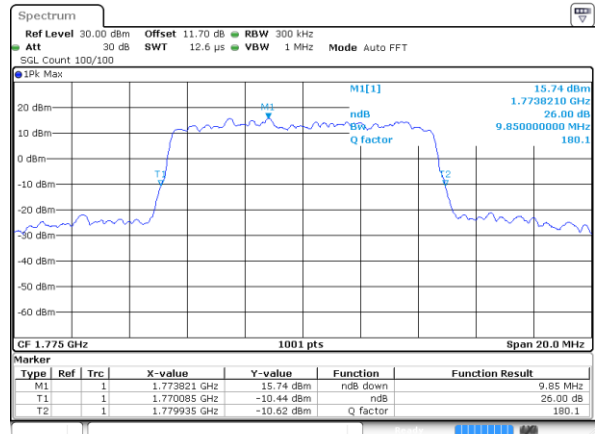
Date: 7 JAN 2018 12:21:31

Highest Channel / 10MHz / QPSK



Date: 7 JAN 2018 12:23:51

Highest Channel / 10MHz / 16QAM

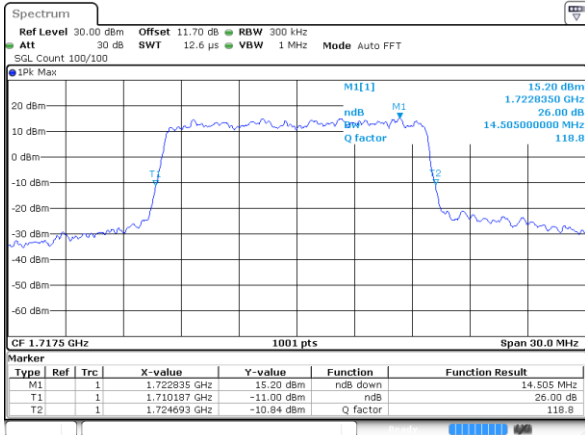


Date: 7 JAN 2018 12:24:01



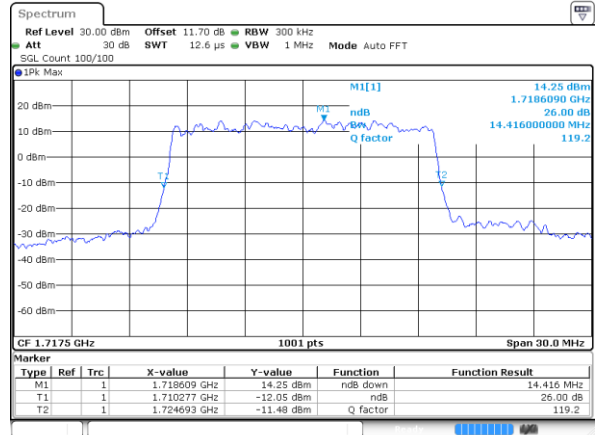
LTE Band 66

Lowest Channel / 15MHz / QPSK



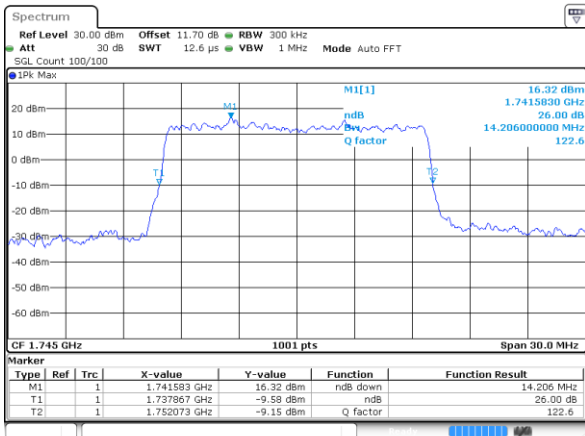
Date: 7 JAN 2018 12:30:55

Lowest Channel / 15MHz / 16QAM



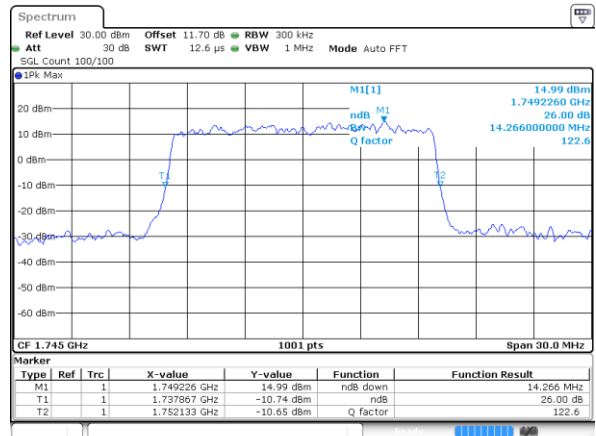
Date: 7 JAN 2018 12:31:05

Middle Channel / 15MHz / QPSK



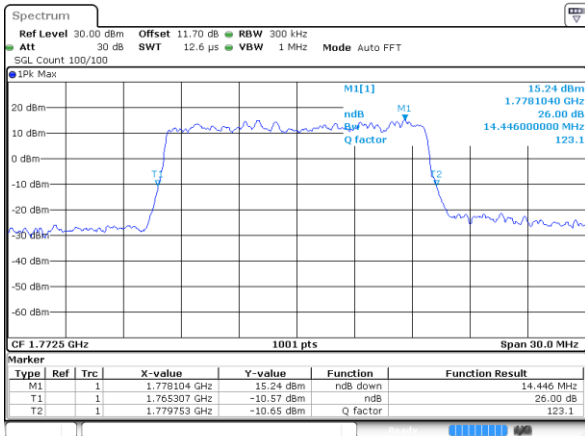
Date: 7 JAN 2018 12:37:59

Middle Channel / 15MHz / 16QAM



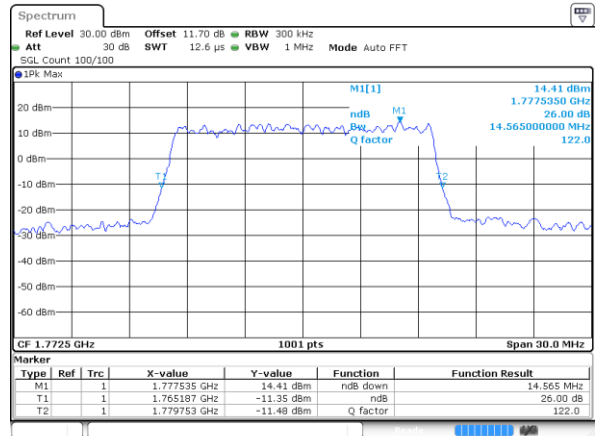
Date: 7 JAN 2018 12:38:09

Highest Channel / 15MHz / QPSK



Date: 7 JAN 2018 12:40:28

Highest Channel / 15MHz / 16QAM

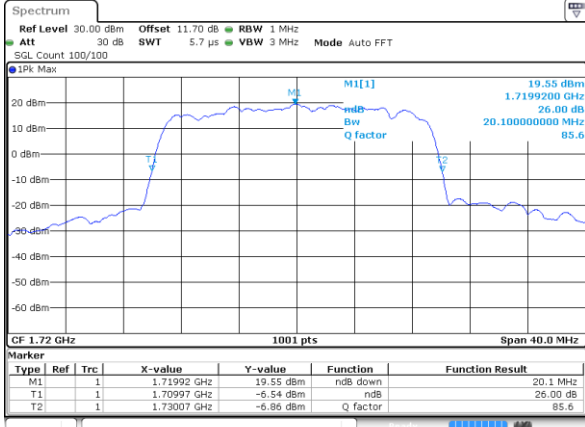


Date: 7 JAN 2018 12:40:38



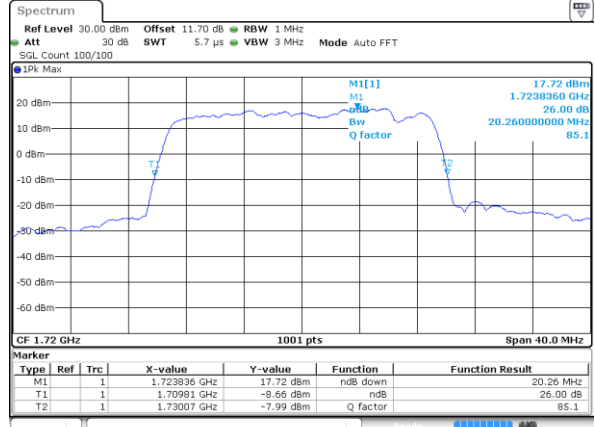
LTE Band 66

Lowest Channel / 20MHz / QPSK



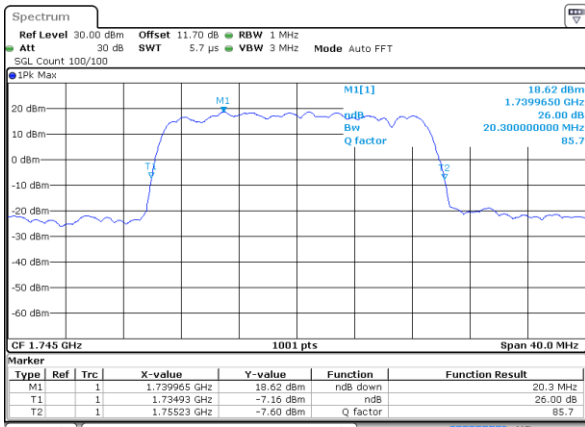
Date: 7 JAN 2018 13:01:46

Lowest Channel / 20MHz / 16QAM



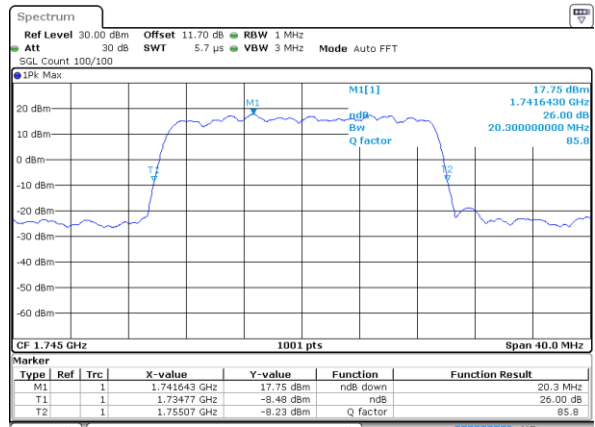
Date: 7 JAN 2018 13:01:56

Middle Channel / 20MHz / QPSK



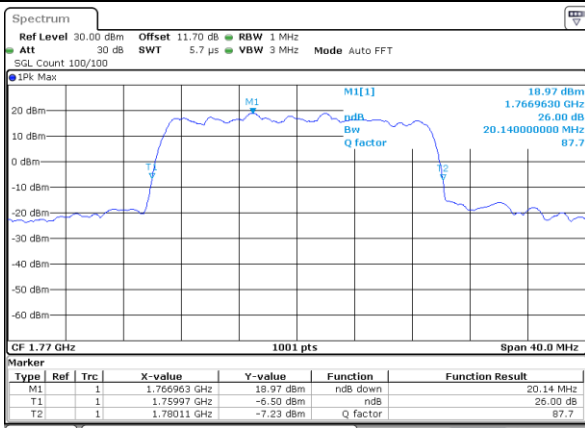
Date: 7 JAN 2018 13:08:50

Middle Channel / 20MHz / 16QAM



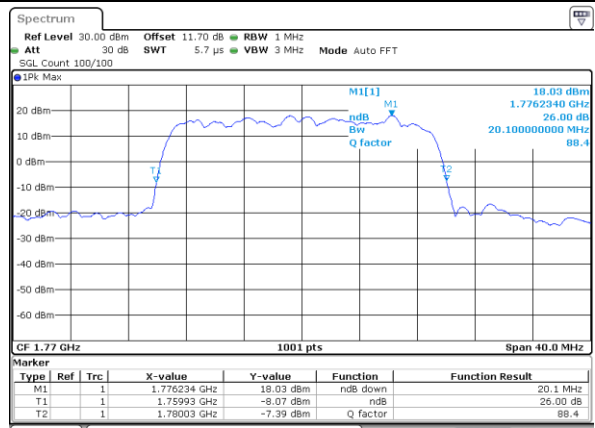
Date: 7 JAN 2018 13:09:00

Highest Channel / 20MHz / QPSK



Date: 7 JAN 2018 13:11:19

Highest Channel / 20MHz / 16QAM



Date: 7 JAN 2018 13:11:29



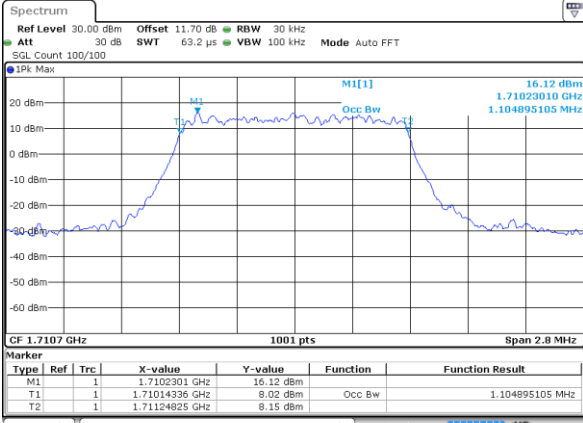
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.1	2.7	2.74	4.5	4.5	8.97	9.09	13.46	13.43	18.26	18.3
Middle CH	1.09	1.09	2.73	2.72	4.48	4.5	9.05	9.05	13.46	13.46	18.22	18.26
Highest CH	1.09	1.09	2.72	2.71	4.48	4.5	9.01	8.99	13.43	13.4	18.3	18.3



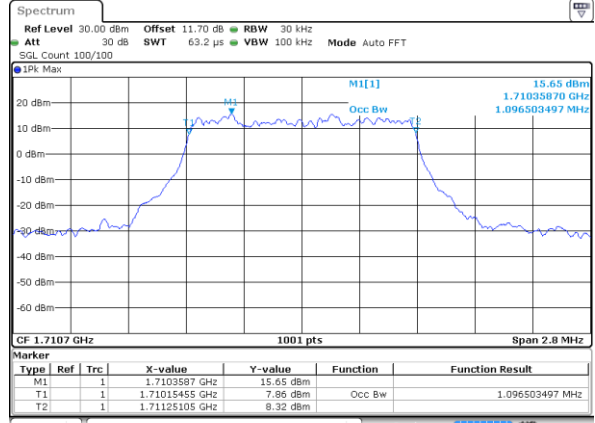
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



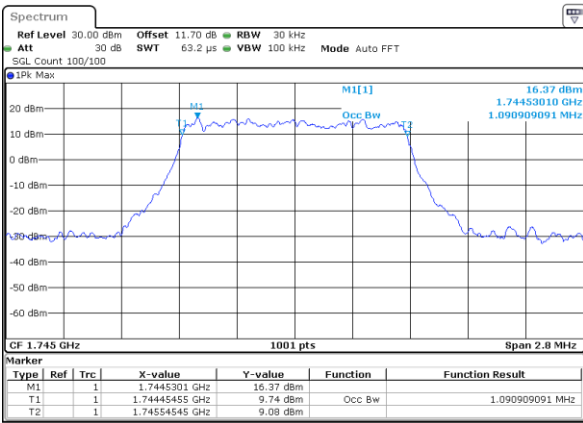
Date: 7 JAN 2018 13:19:26

Lowest Channel / 1.4MHz / 16QAM



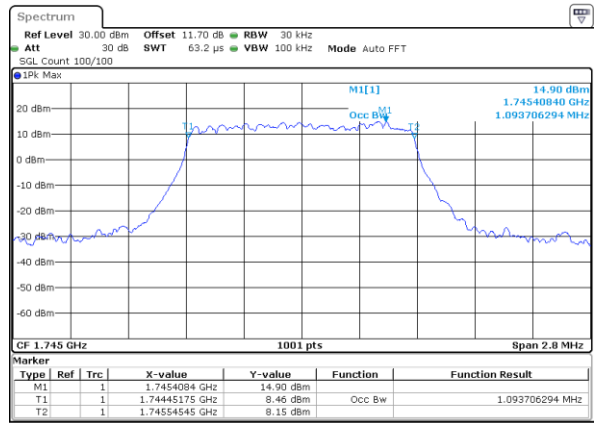
Date: 7 JAN 2018 13:19:36

Middle Channel / 1.4MHz / QPSK



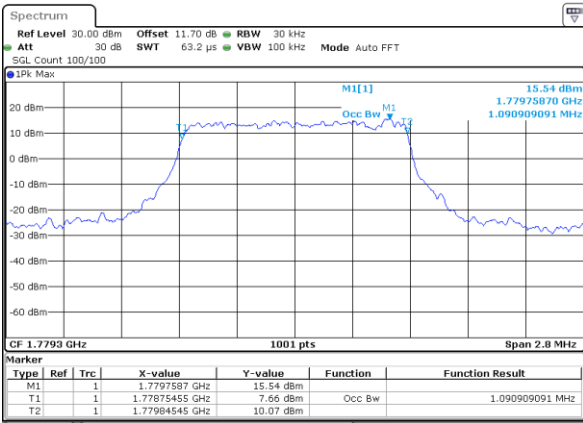
Date: 7 JAN 2018 13:26:30

Middle Channel / 1.4MHz / 16QAM



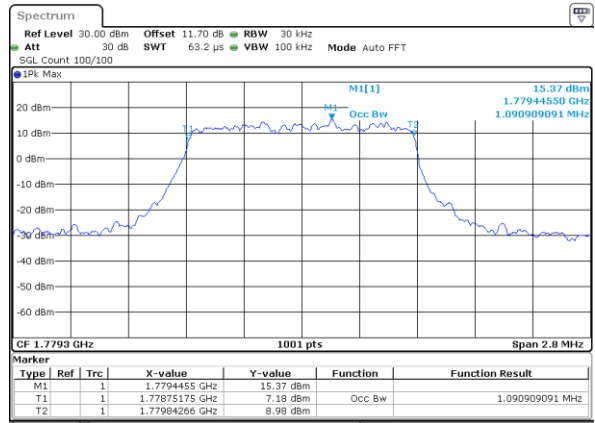
Date: 7 JAN 2018 13:26:40

Highest Channel / 1.4MHz / QPSK



Date: 7 JAN 2018 13:28:59

Highest Channel / 1.4MHz / 16QAM

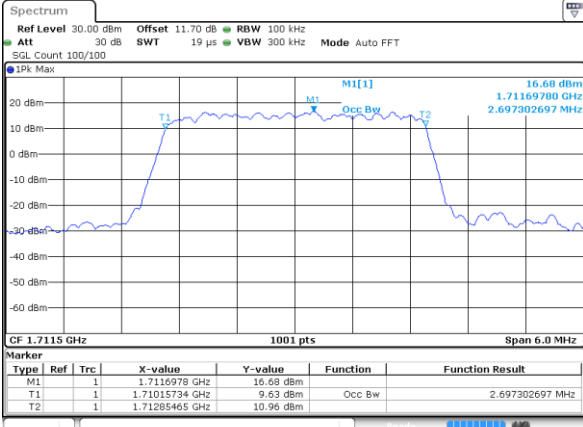


Date: 7 JAN 2018 13:29:36



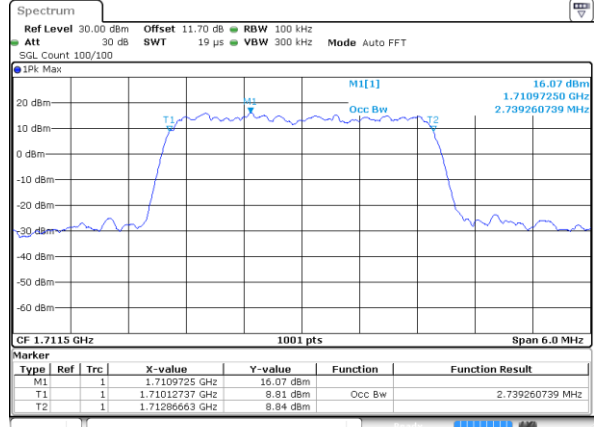
LTE Band 66

Lowest Channel / 3MHz / QPSK



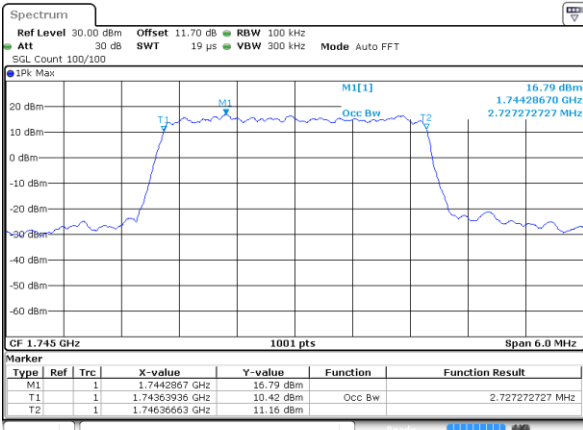
Date: 7 JAN 2018 11:40:43

Lowest Channel / 3MHz / 16QAM



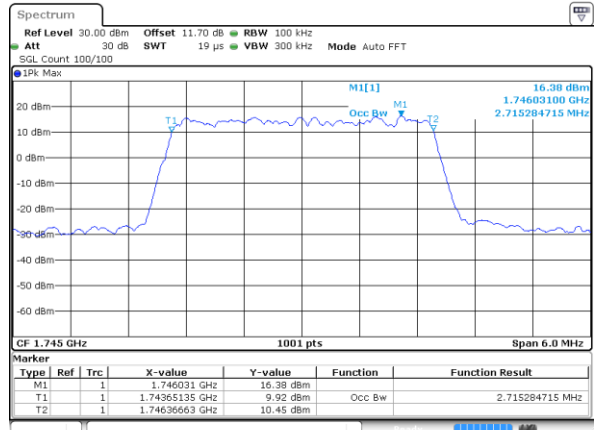
Date: 7 JAN 2018 11:40:53

Middle Channel / 3MHz / QPSK



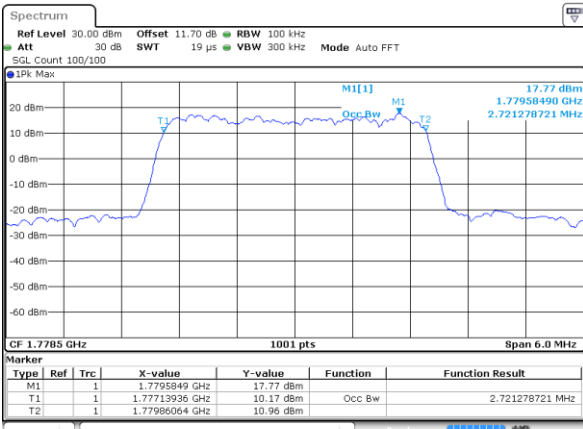
Date: 7 JAN 2018 11:47:47

Middle Channel / 3MHz / 16QAM



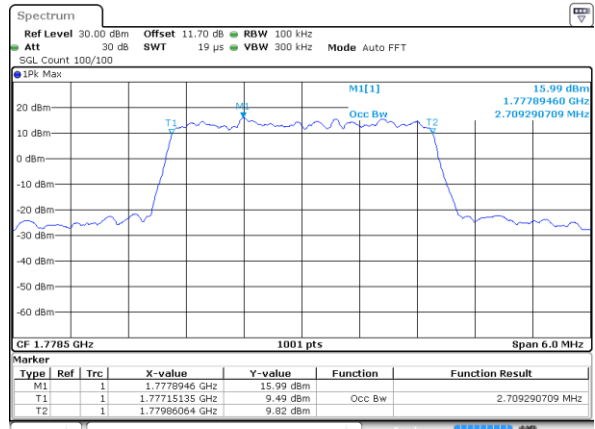
Date: 7 JAN 2018 11:47:57

Highest Channel / 3MHz / QPSK



Date: 7 JAN 2018 11:50:17

Highest Channel / 3MHz / 16QAM

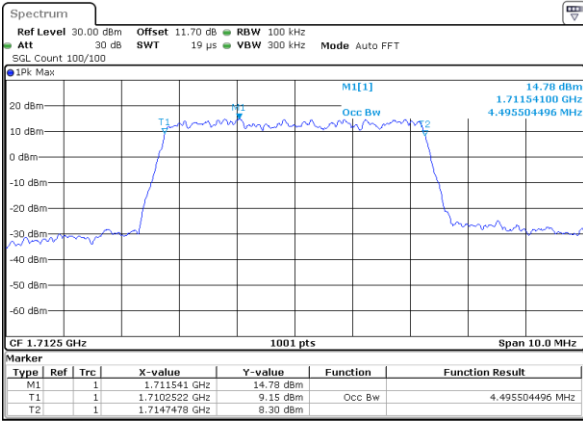


Date: 7 JAN 2018 11:50:27



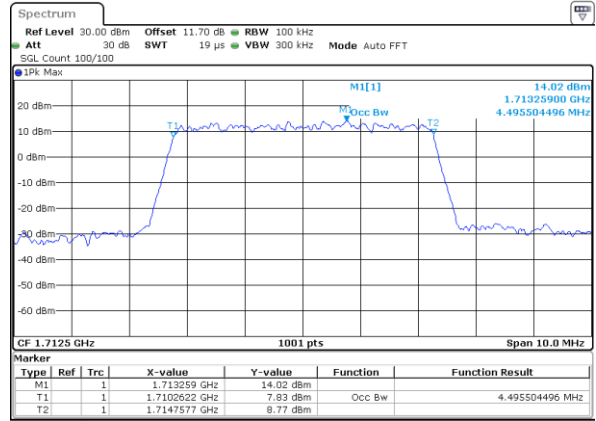
LTE Band 66

Lowest Channel / 5MHz / QPSK



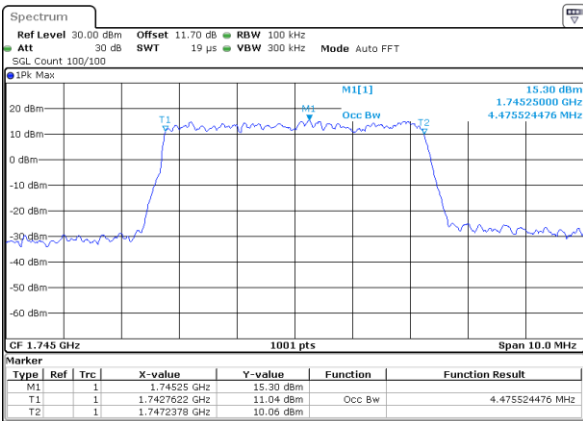
Date: 7 JAN 2018 11:57:21

Lowest Channel / 5MHz / 16QAM



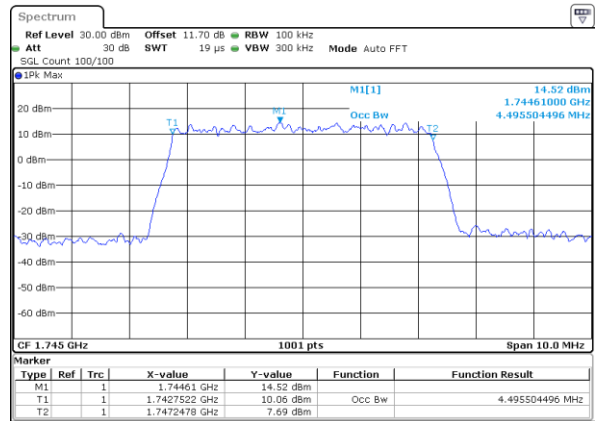
Date: 7 JAN 2018 11:57:31

Middle Channel / 5MHz / QPSK



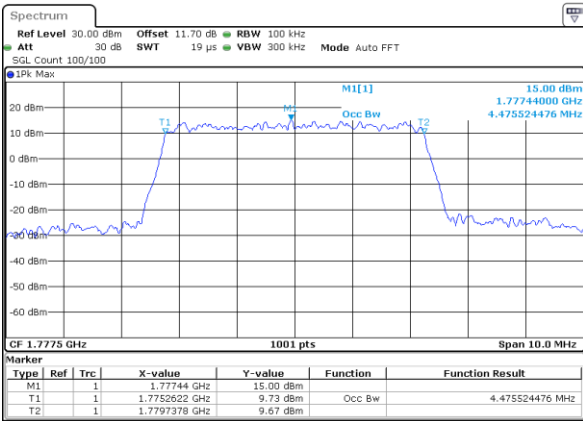
Date: 7 JAN 2018 12:04:25

Middle Channel / 5MHz / 16QAM



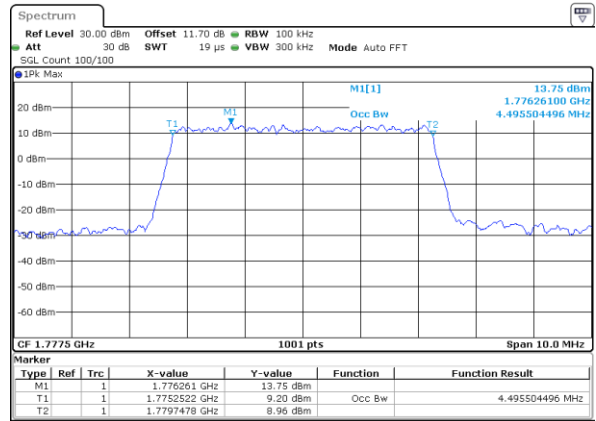
Date: 7 JAN 2018 12:04:35

Highest Channel / 5MHz / QPSK



Date: 7 JAN 2018 12:06:54

Highest Channel / 5MHz / 16QAM

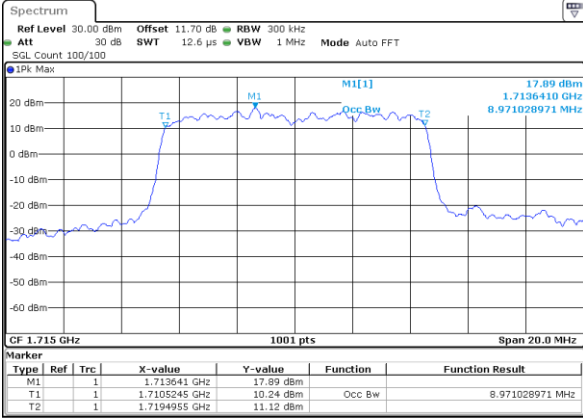


Date: 7 JAN 2018 12:07:04



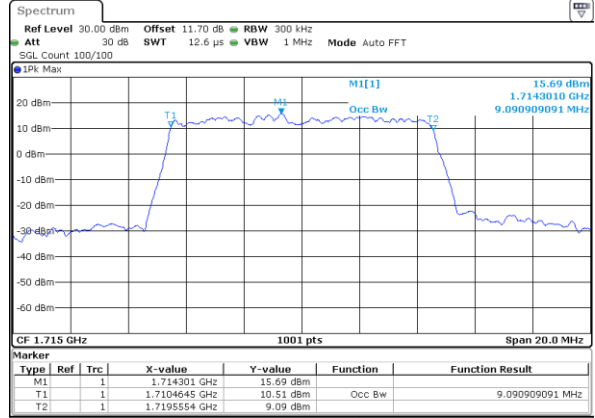
LTE Band 66

Lowest Channel / 10MHz / QPSK



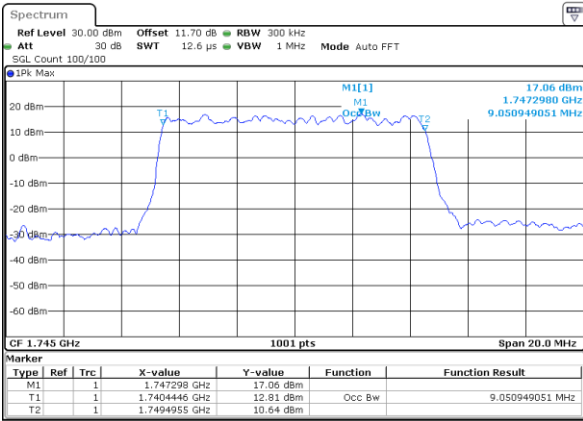
Date: 7 JAN 2018 12:13:58

Lowest Channel / 10MHz / 16QAM



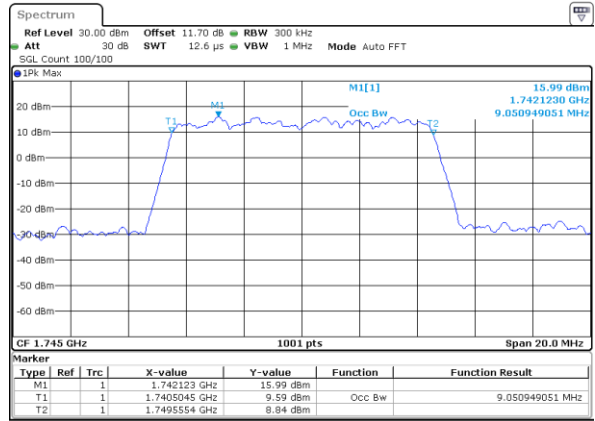
Date: 7 JAN 2018 12:14:08

Middle Channel / 10MHz / QPSK



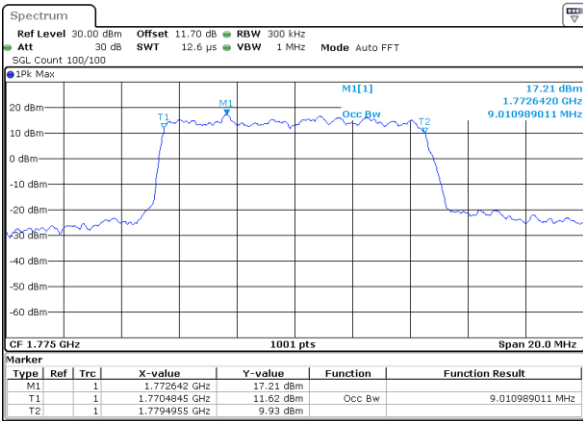
Date: 7 JAN 2018 12:21:01

Middle Channel / 10MHz / 16QAM



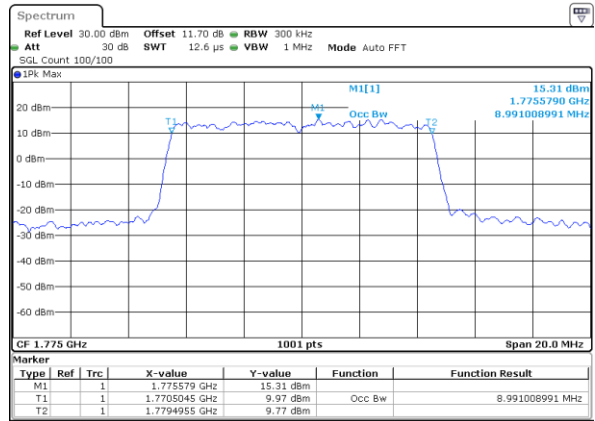
Date: 7 JAN 2018 12:21:11

Highest Channel / 10MHz / QPSK



Date: 7 JAN 2018 12:23:31

Highest Channel / 10MHz / 16QAM

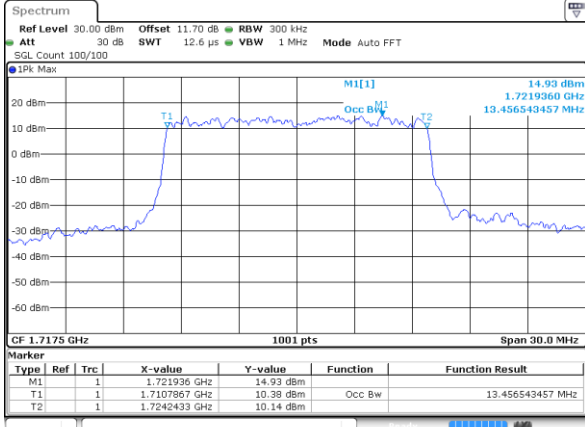


Date: 7 JAN 2018 12:23:41



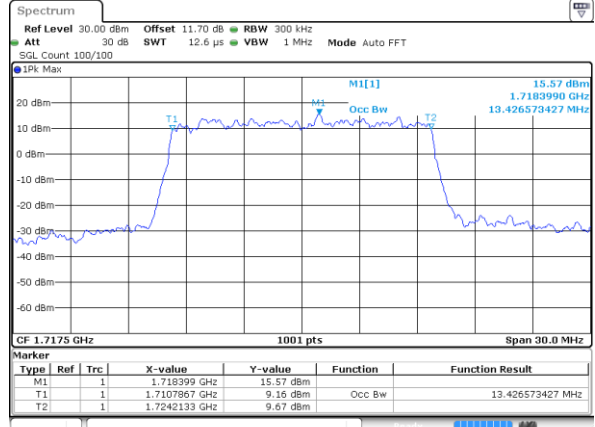
LTE Band 66

Lowest Channel / 15MHz / QPSK



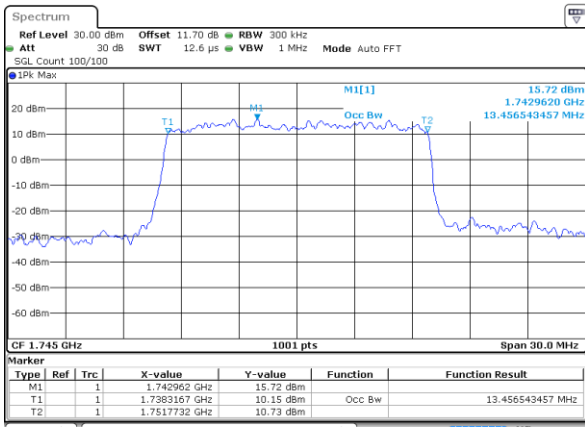
Date: 7 JAN 2018 12:30:35

Lowest Channel / 15MHz / 16QAM



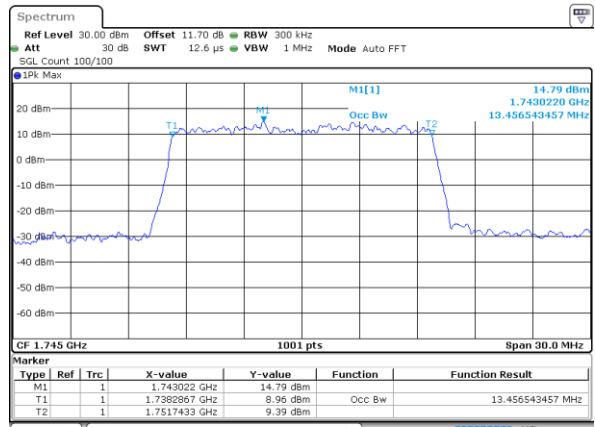
Date: 7 JAN 2018 12:30:45

Middle Channel / 15MHz / QPSK



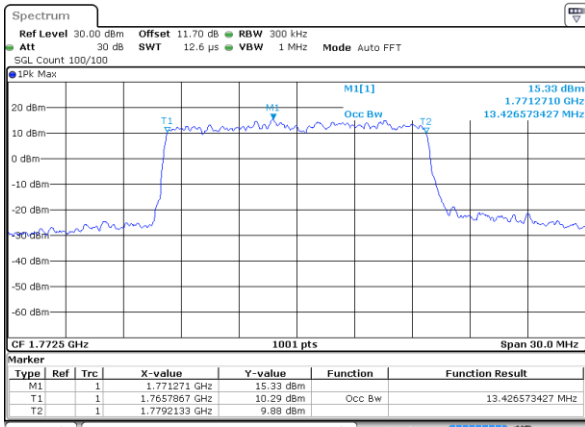
Date: 7 JAN 2018 12:37:39

Middle Channel / 15MHz / 16QAM



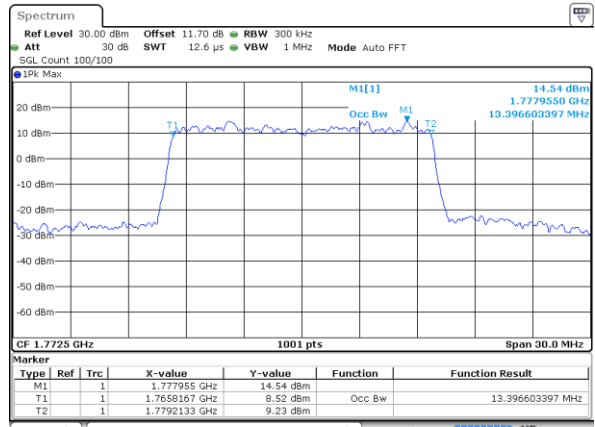
Date: 7 JAN 2018 12:37:49

Highest Channel / 15MHz / QPSK



Date: 7 JAN 2018 12:40:08

Highest Channel / 15MHz / 16QAM

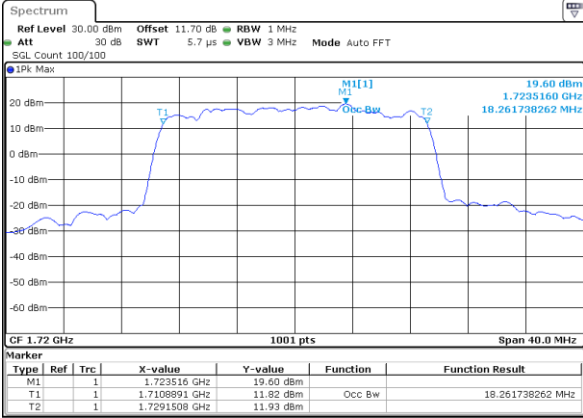


Date: 7 JAN 2018 12:40:18



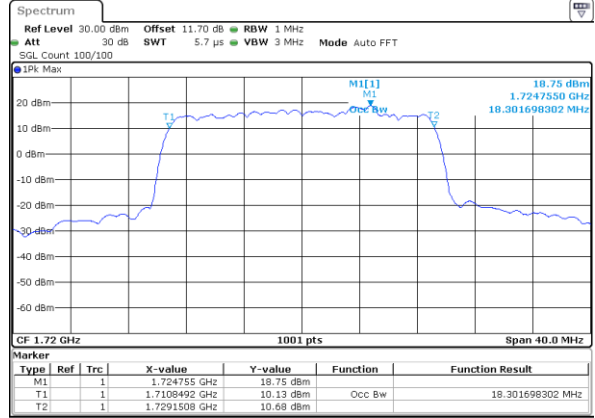
LTE Band 66

Lowest Channel / 20MHz / QPSK



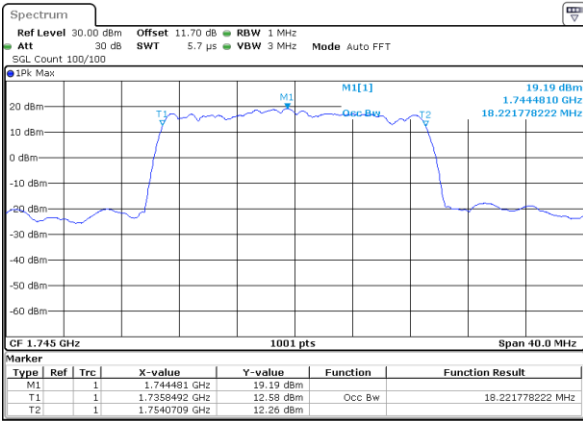
Date: 7 JAN 2018 13:01:26

Lowest Channel / 20MHz / 16QAM



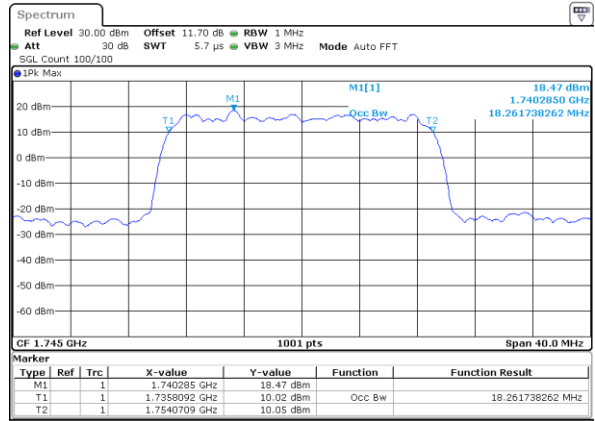
Date: 7 JAN 2018 13:01:36

Middle Channel / 20MHz / QPSK



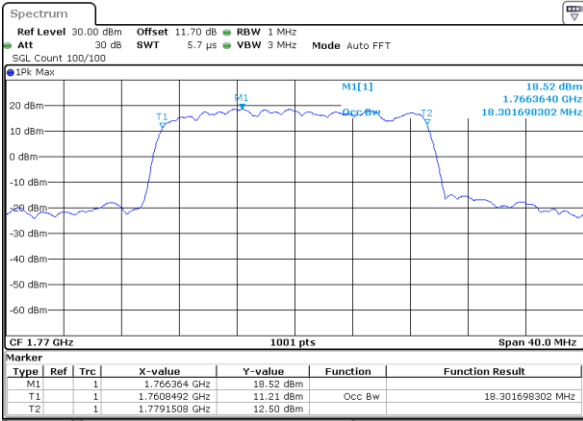
Date: 7 JAN 2018 13:08:30

Middle Channel / 20MHz / 16QAM



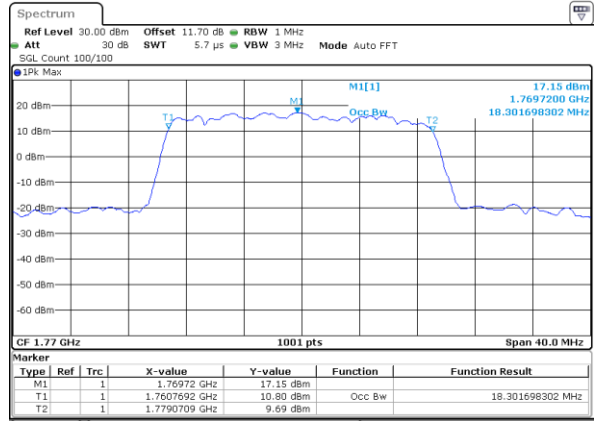
Date: 7 JAN 2018 13:08:40

Highest Channel / 20MHz / QPSK



Date: 7 JAN 2018 13:10:59

Highest Channel / 20MHz / 16QAM



Date: 7 JAN 2018 13:11:09

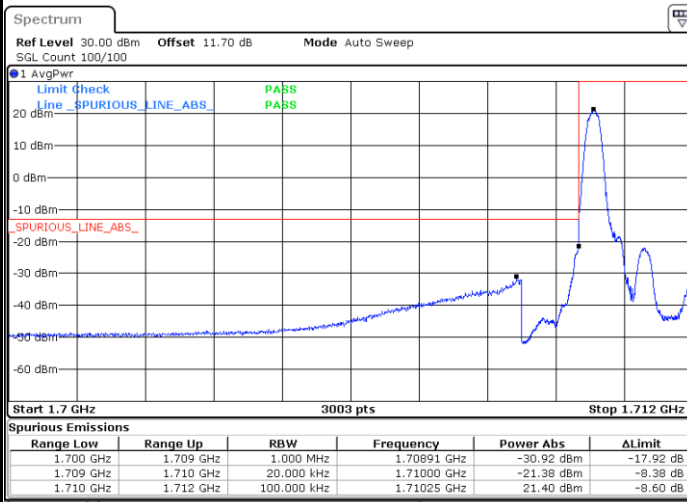


Conducted Band Edge



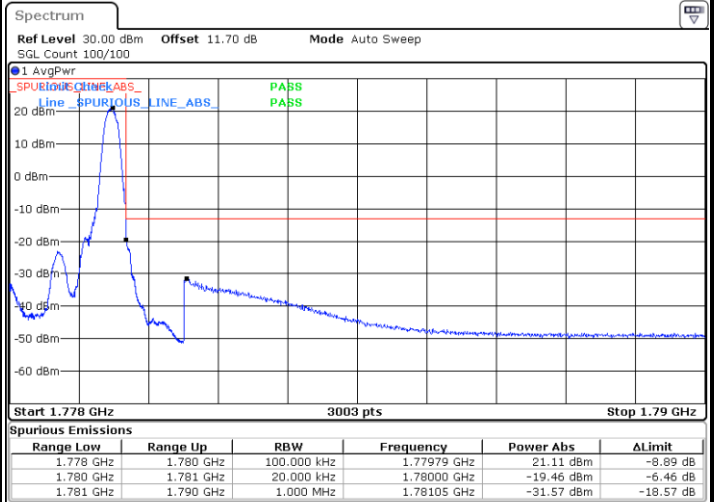
LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



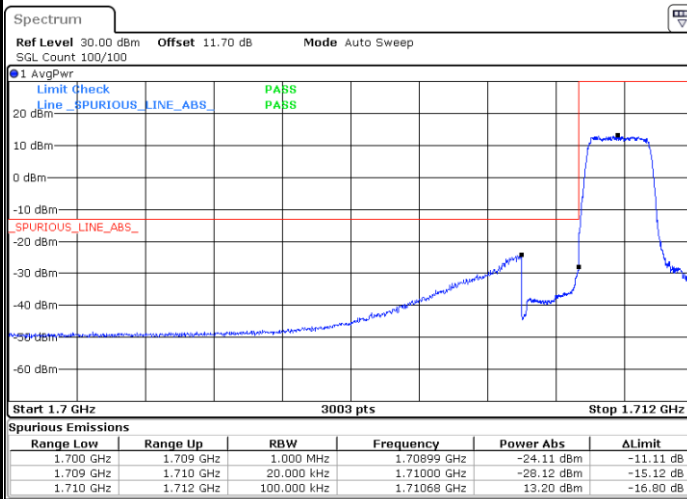
Date: 7.JAN.2018 13:21:04

Highest Band Edge / 1RB



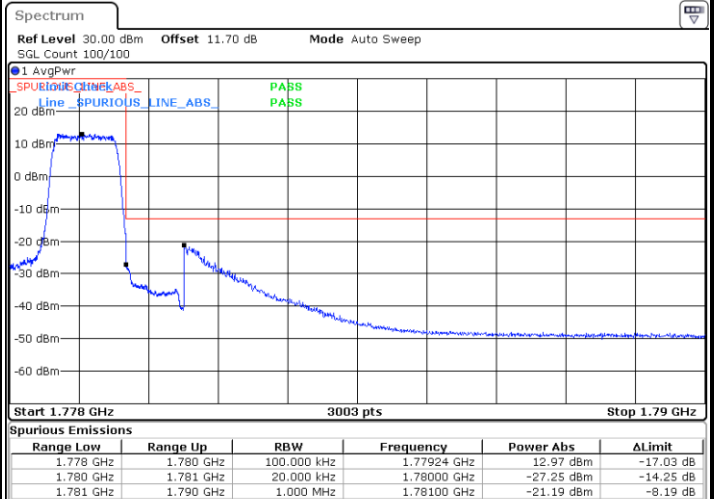
Date: 7.JAN.2018 13:31:04

Lowest Band Edge / Full RB



Date: 7.JAN.2018 13:23:21

Highest Band Edge / Full RB

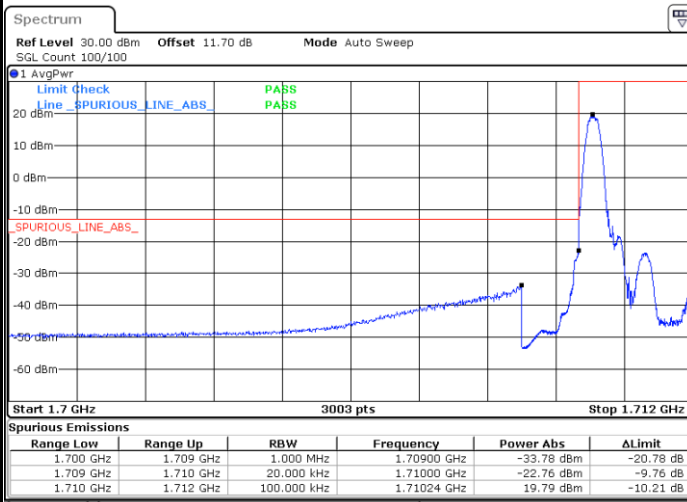


Date: 7.JAN.2018 13:33:22



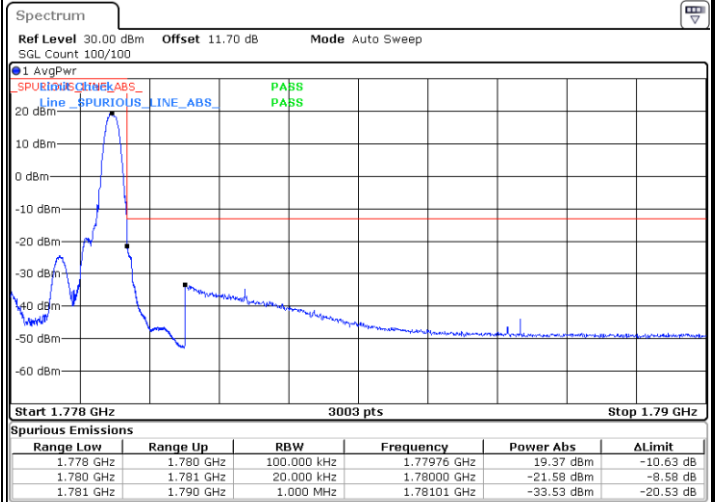
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



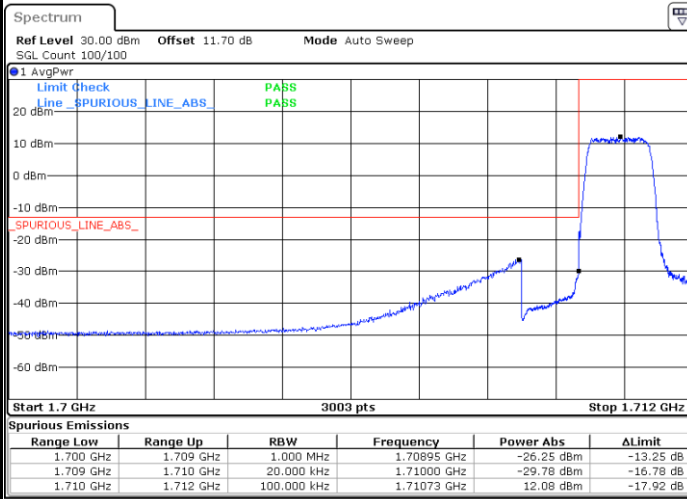
Date: 7.JAN.2018 13:22:13

Highest Band Edge / 1 RB



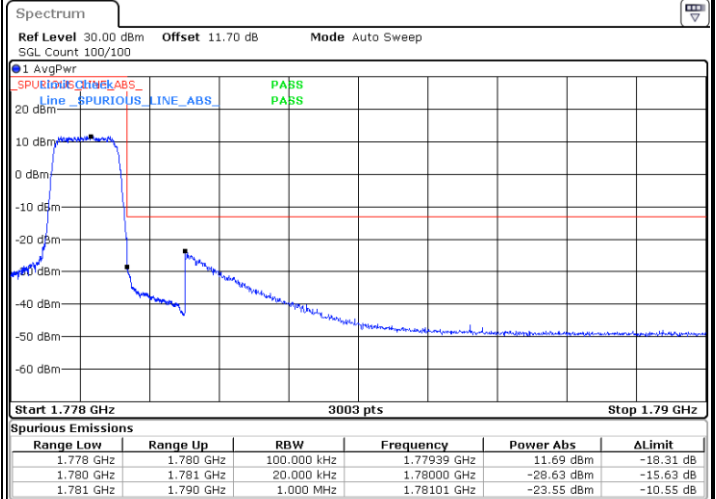
Date: 7.JAN.2018 13:32:13

Lowest Band Edge / Full RB



Date: 7.JAN.2018 13:24:30

Highest Band Edge / Full RB

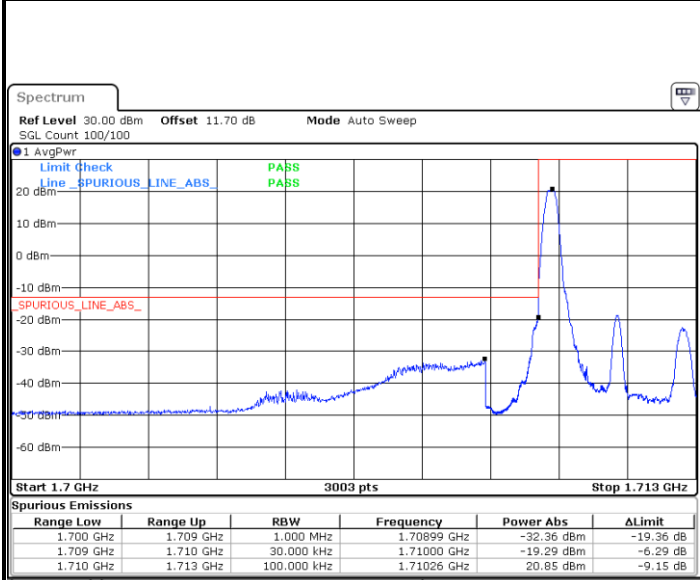


Date: 7.JAN.2018 13:34:30



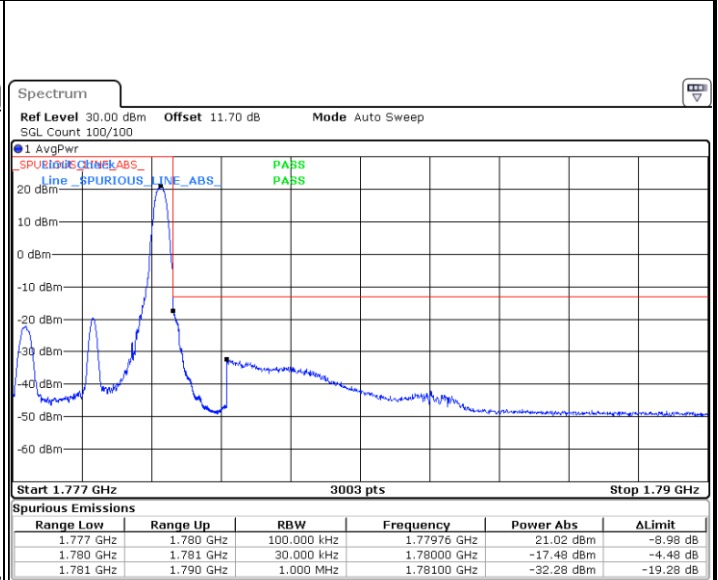
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



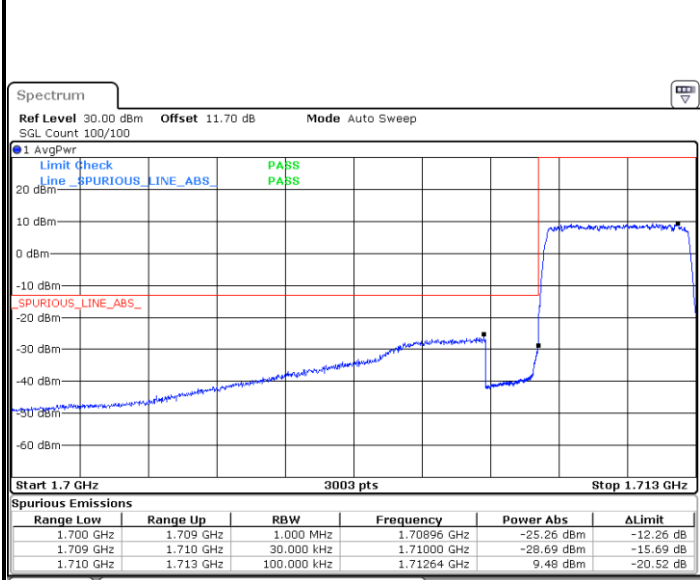
Date: 7. JAN 2018 11:42:22

Highest Band Edge / 1 RB



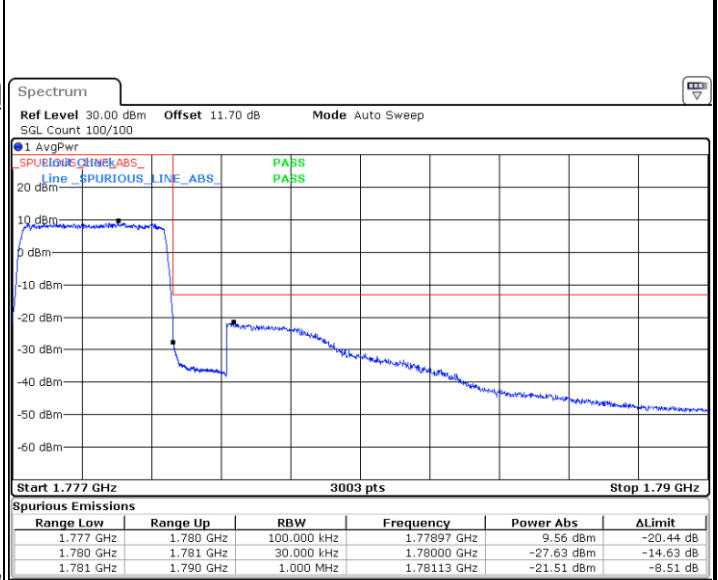
Date: 7. JAN 2018 11:51:55

Lowest Band Edge / Full RB



Date: 7. JAN 2018 11:44:39

Highest Band Edge / Full RB

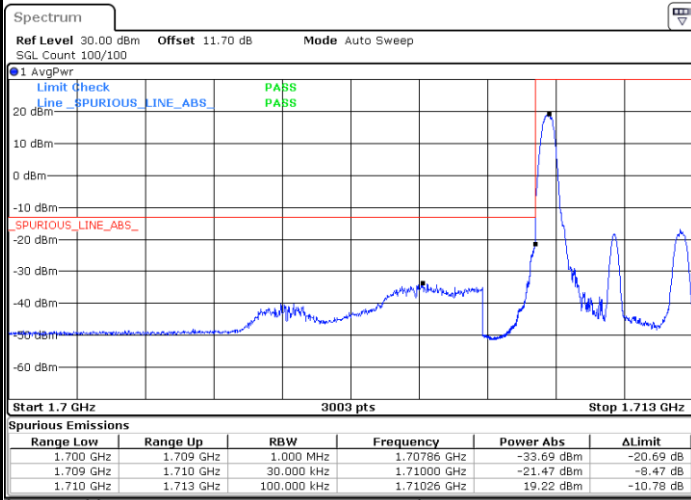


Date: 7. JAN 2018 11:54:12



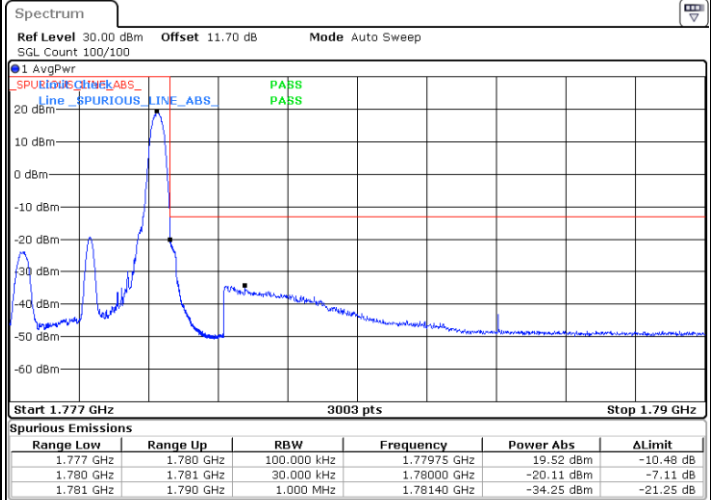
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



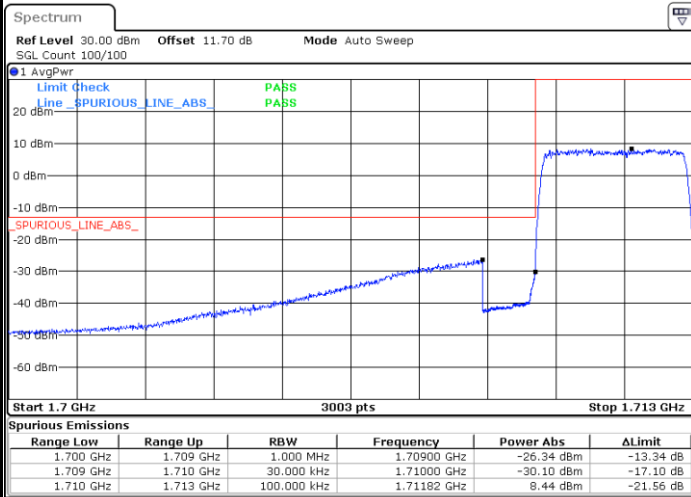
Date: 7.JAN.2018 11:43:30

Highest Band Edge / 1 RB



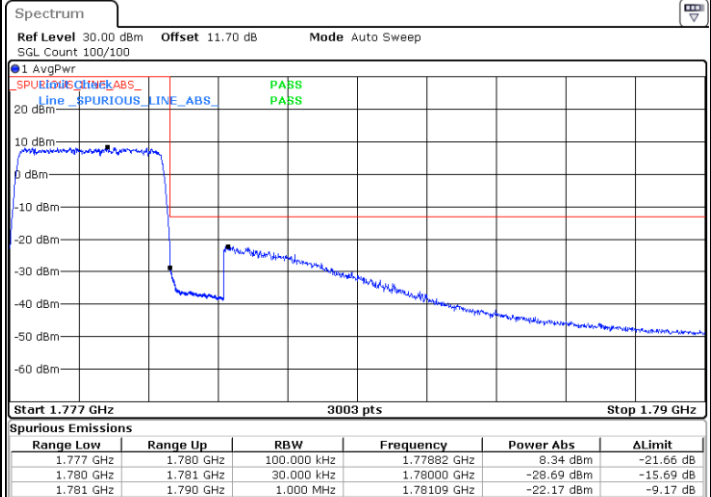
Date: 7.JAN.2018 11:53:04

Lowest Band Edge / Full RB



Date: 7.JAN.2018 11:45:48

Highest Band Edge / Full RB



Date: 7.JAN.2018 11:55:21