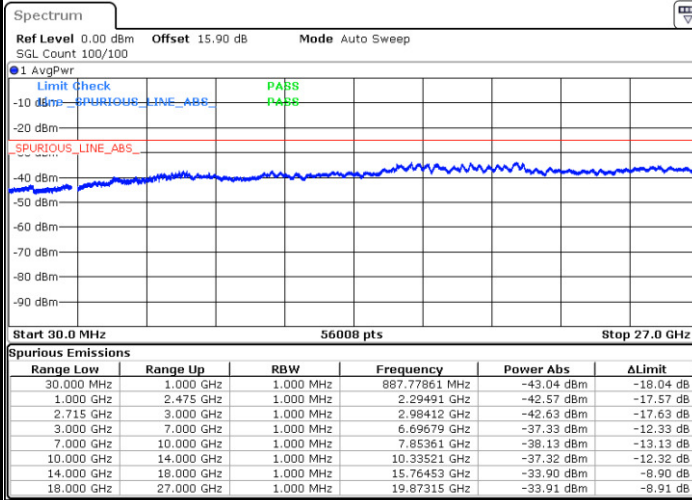




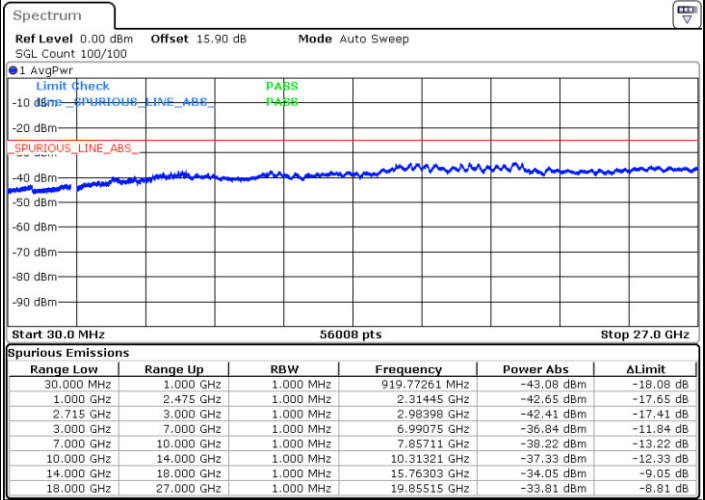
LTE Band 41 / 10MHz

Middle Channel / QPSK



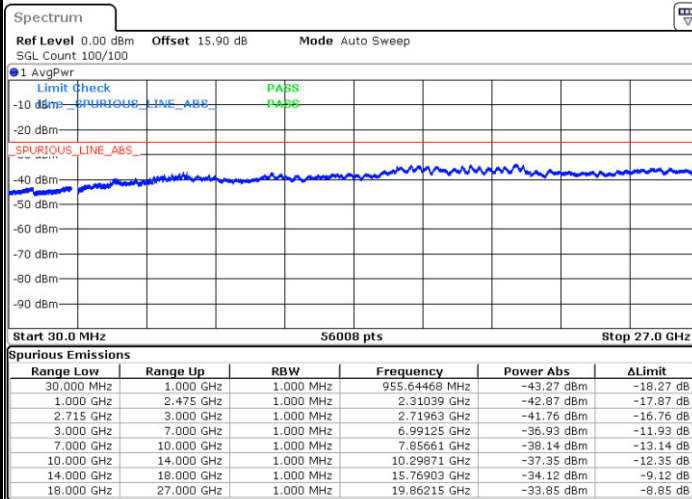
Date: 7.JAN.2018 14:57:59

Middle Channel / 16QAM



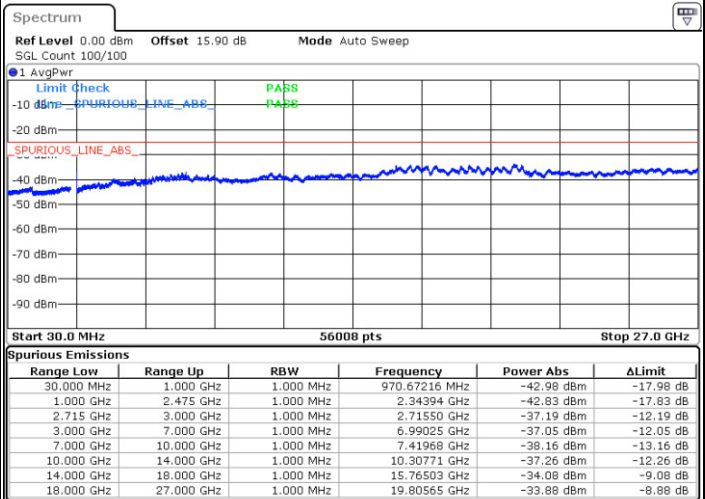
Date: 7.JAN.2018 14:58:52

Highest Channel / QPSK



Date: 7.JAN.2018 14:59:46

Highest Channel / 16QAM

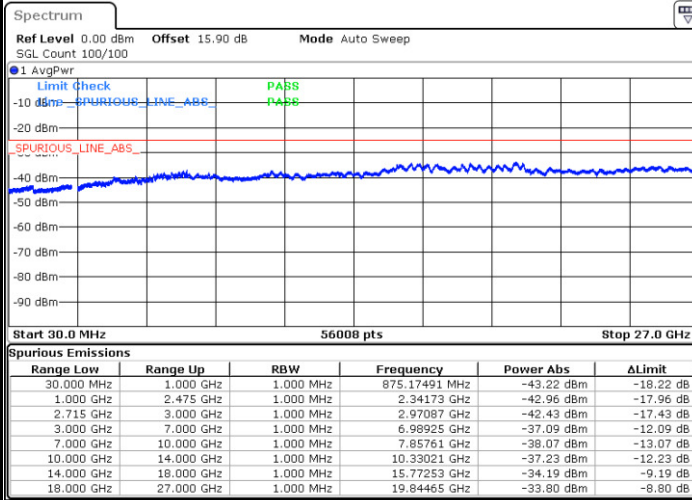


Date: 7.JAN.2018 15:00:40



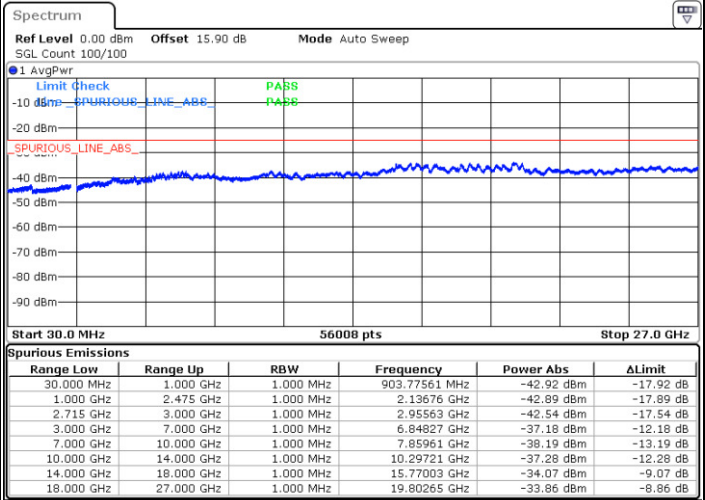
LTE Band 41 / 15MHz

Lowest Channel / QPSK



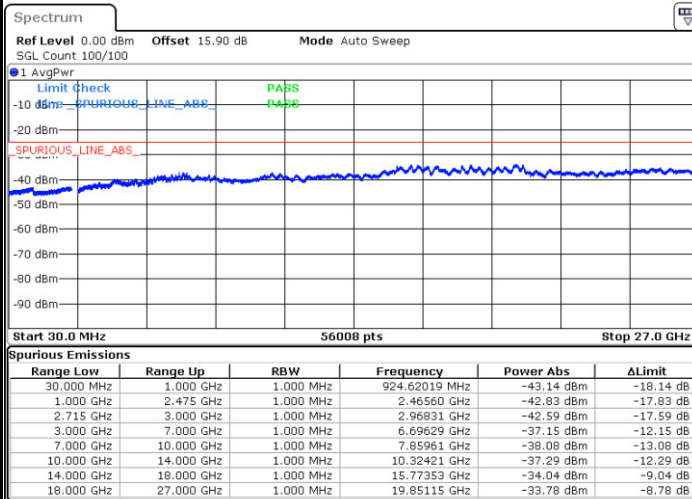
Date: 7.JAN.2018 15:01:35

Lowest Channel / 16QAM



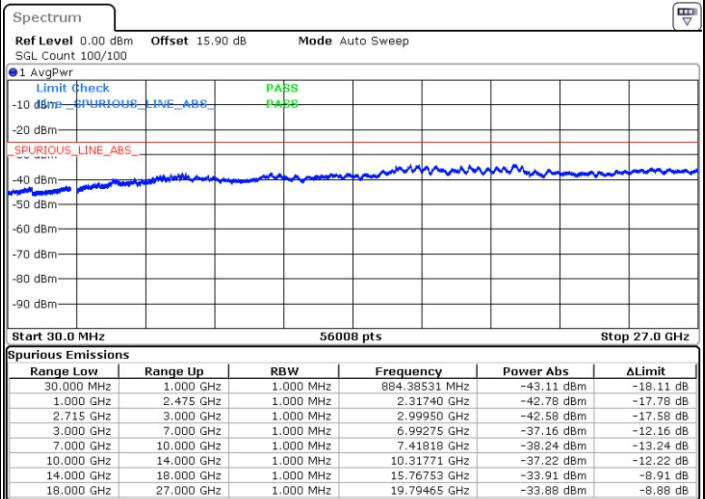
Date: 7.JAN.2018 15:02:28

Middle Channel / QPSK



Date: 7.JAN.2018 15:03:23

Middle Channel / 16QAM

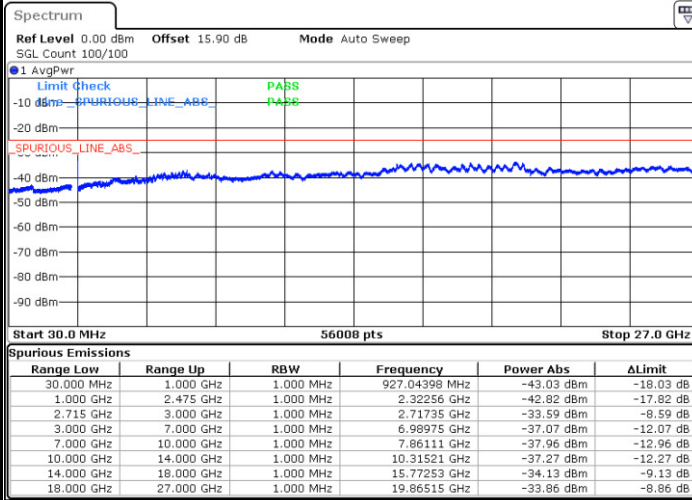


Date: 7.JAN.2018 15:04:17



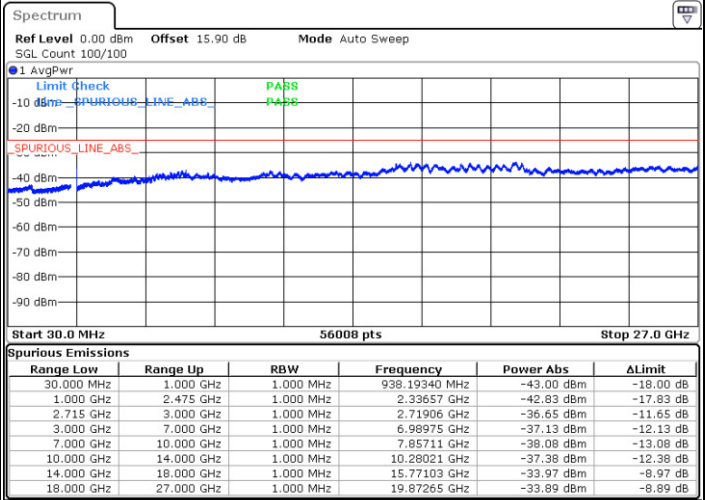
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 7.JAN 2018 15:05:10

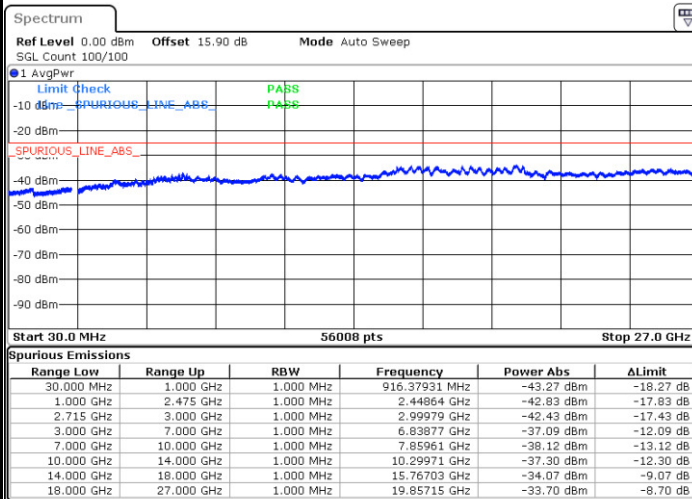
Highest Channel / 16QAM



Date: 7.JAN 2018 15:06:05

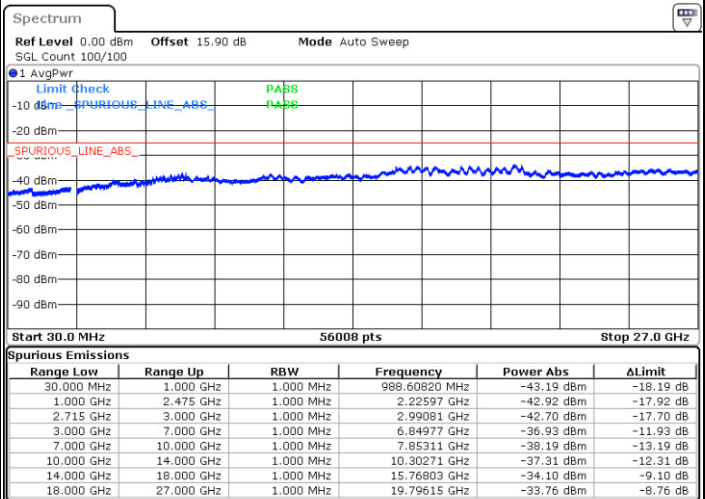
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 7.JAN 2018 15:06:58

Lowest Channel / 16QAM

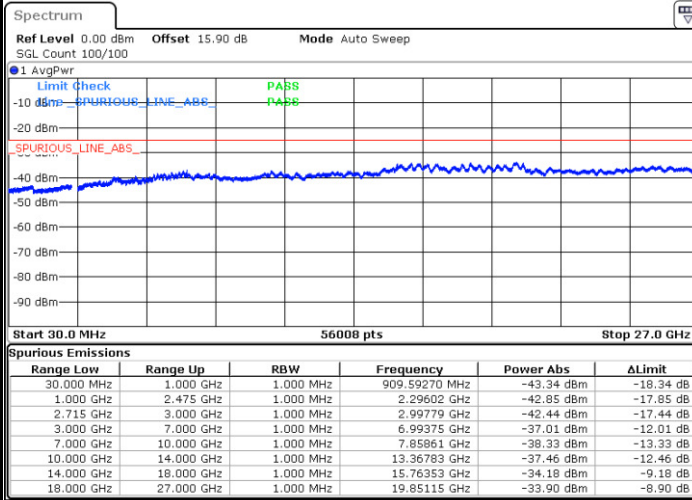


Date: 7.JAN 2018 15:07:53



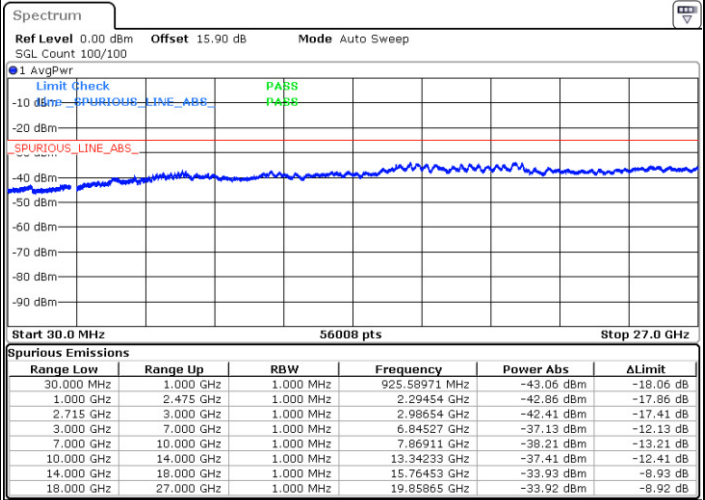
LTE Band 41 / 20MHz

Middle Channel / QPSK



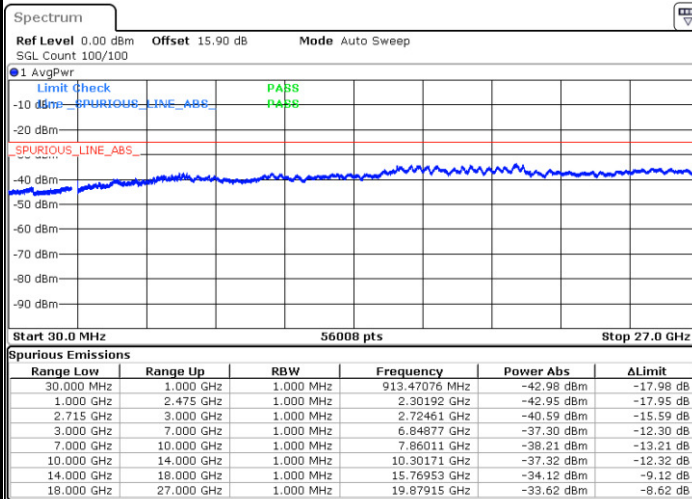
Date: 7.JAN.2018 15:08:47

Middle Channel / 16QAM



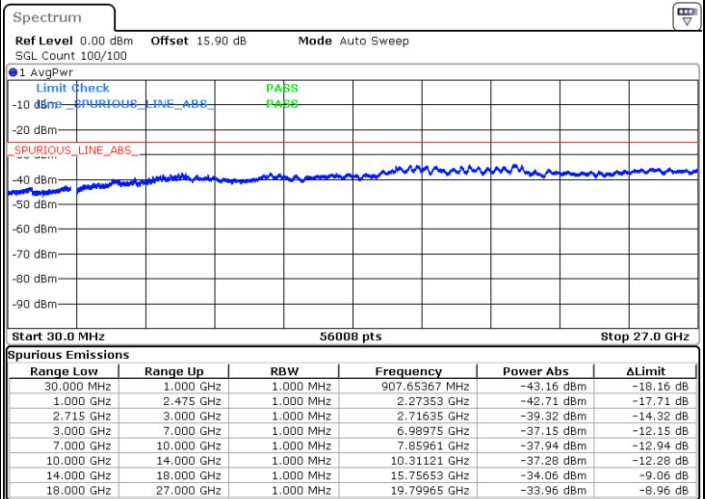
Date: 7.JAN.2018 15:09:41

Highest Channel / QPSK



Date: 7.JAN.2018 15:10:35

Highest Channel / 16QAM



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:

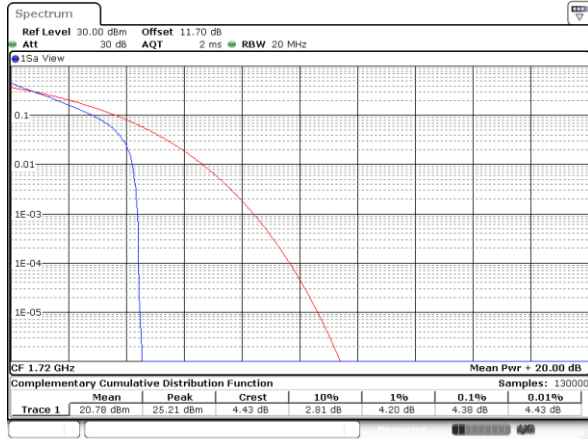
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



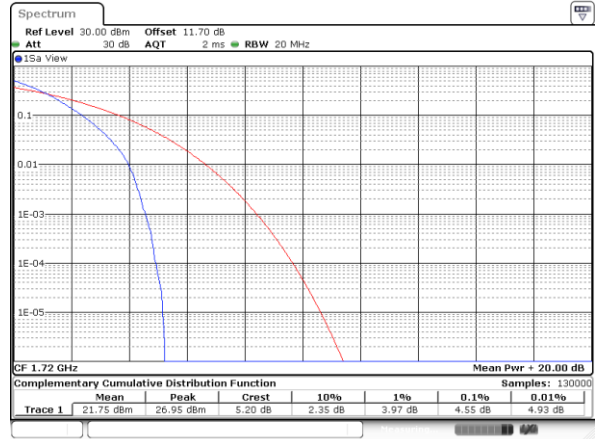
LTE Band 66

Peak-to-Average Ratio

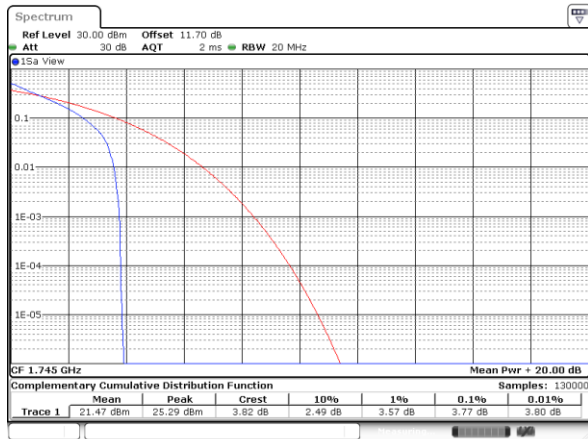
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	4.55	5.42	5.59	PASS
Middle CH	3.77	4.84	5.16	5.88	
Highest CH	4.32	4.99	5.25	6	

LTE Band 66 / 20MHz / QPSK
Lowest Channel / 1RB


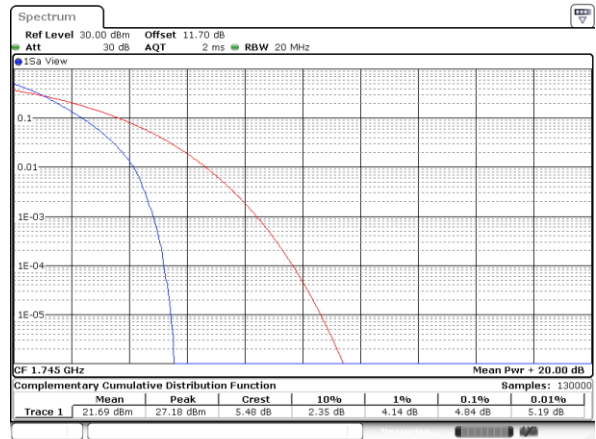
Date: 7 JAN 2018 13:51:38

Lowest Channel / Full RB


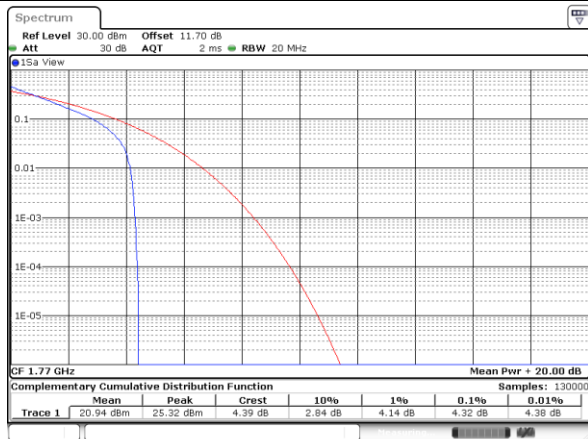
Date: 7 JAN 2018 13:53:44

Middle Channel / 1RB


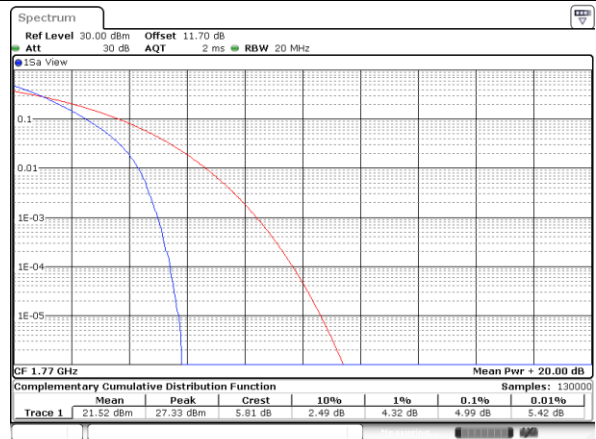
Date: 7 JAN 2018 13:54:11

Middle Channel / Full RB


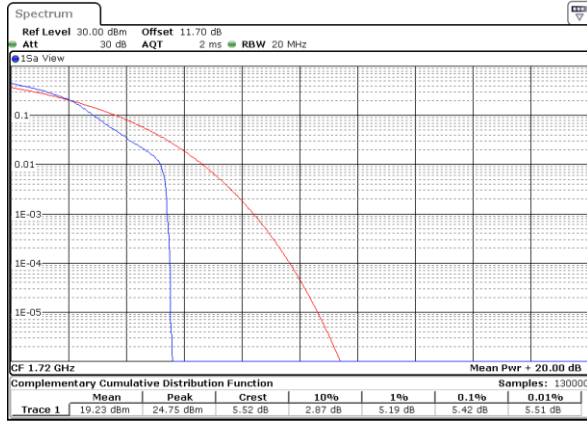
Date: 7 JAN 2018 13:54:21

Highest Channel / 1RB


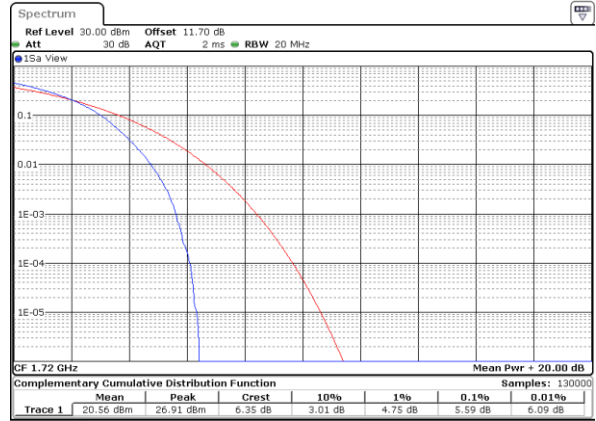
Date: 7 JAN 2018 13:54:36

Highest Channel / Full RB


Date: 7 JAN 2018 13:54:44

LTE Band 66 / 20MHz / 16QAM
Lowest Channel / 1RB


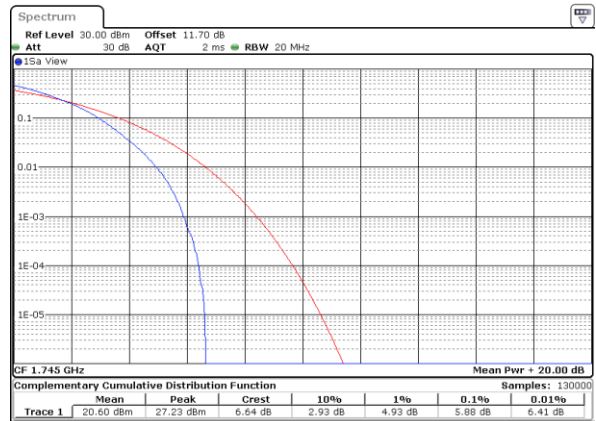
Date: 7 JAN 2018 13:40:41

Lowest Channel / Full RB


Date: 7 JAN 2018 13:40:50

Middle Channel / 1RB

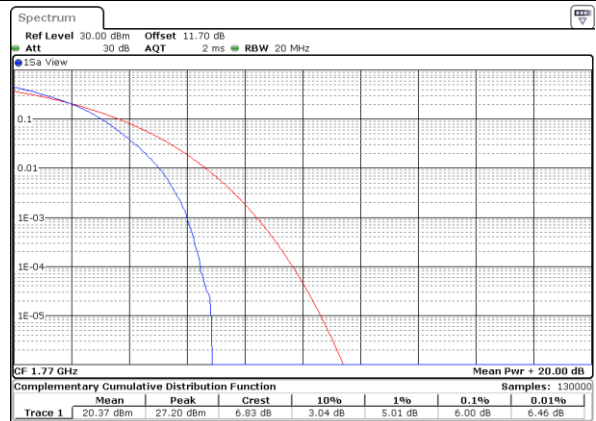

Date: 7 JAN 2018 13:41:34

Middle Channel / Full RB


Date: 7 JAN 2018 13:50:43

Highest Channel / 1RB

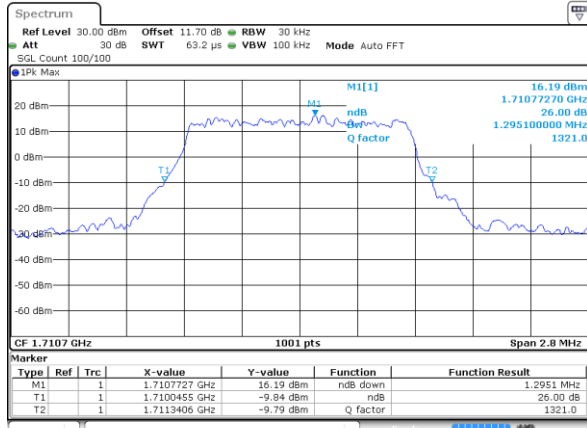

Date: 7 JAN 2018 13:51:06

Highest Channel / Full RB


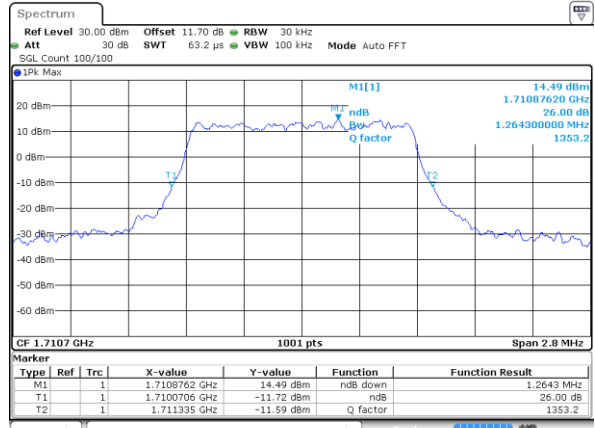
Date: 7 JAN 2018 13:51:22

**26dB Bandwidth**

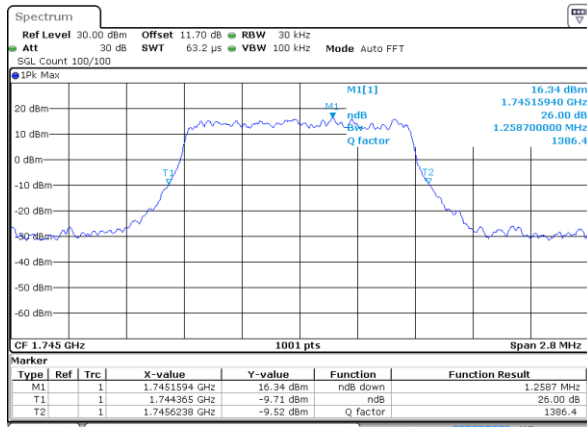
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.30	1.26	3.03	3.00	4.93	4.95	9.89	9.83	14.51	14.42	20.10	20.26
Middle CH	1.26	1.25	3.04	3.03	4.83	4.92	9.65	9.83	14.21	14.27	20.30	20.30
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


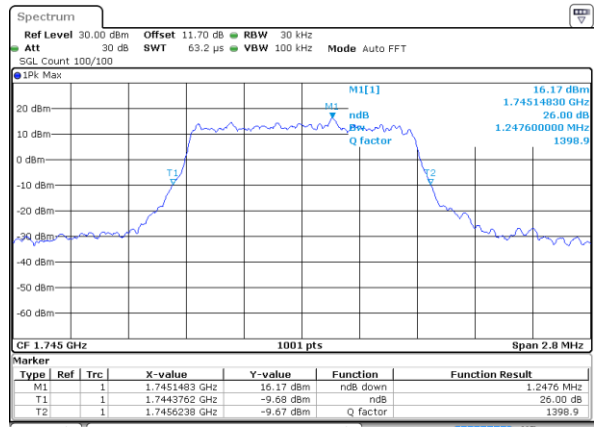
Date: 7 JAN 2018 13:19:46

Lowest Channel / 1.4MHz / 16QAM


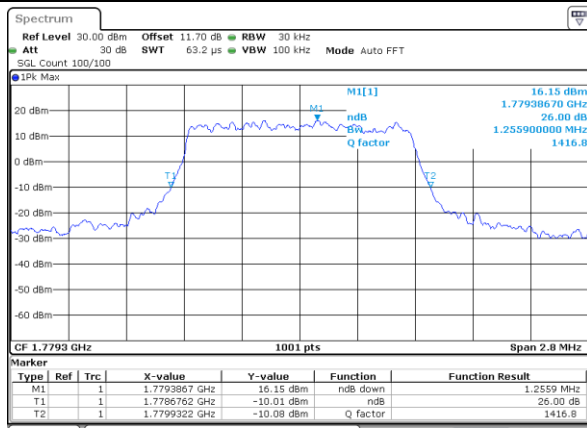
Date: 7 JAN 2018 13:19:56

Middle Channel / 1.4MHz / QPSK


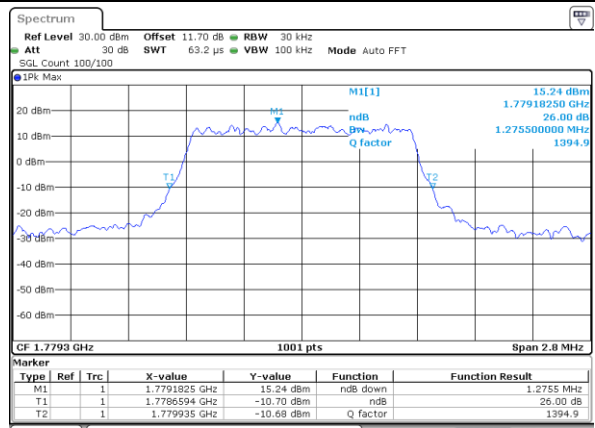
Date: 7 JAN 2018 13:26:50

Middle Channel / 1.4MHz / 16QAM


Date: 7 JAN 2018 13:27:00

Highest Channel / 1.4MHz / QPSK


Date: 7 JAN 2018 13:29:46

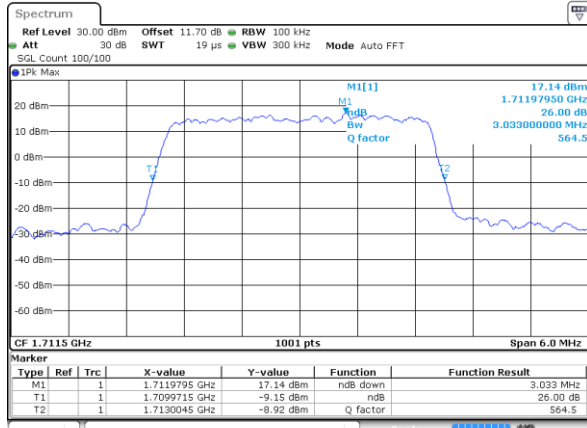
Highest Channel / 1.4MHz / 16QAM


Date: 7 JAN 2018 13:29:56



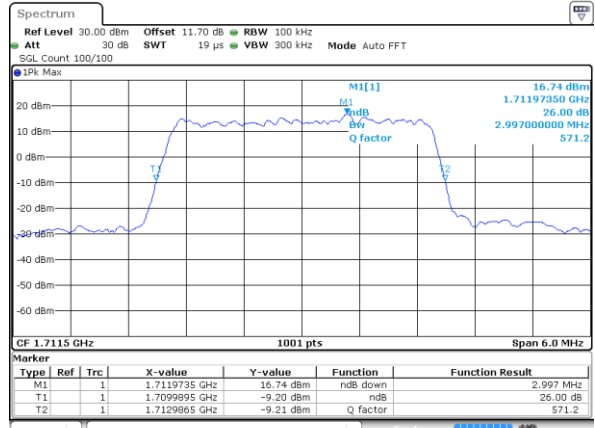
LTE Band 66

Lowest Channel / 3MHz / QPSK



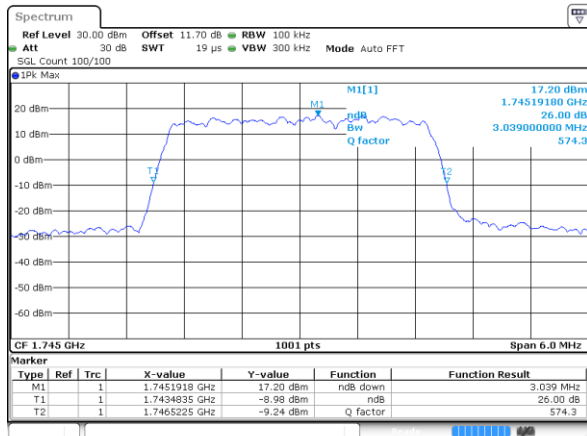
Date: 7 JAN 2018 11:41:03

Lowest Channel / 3MHz / 16QAM



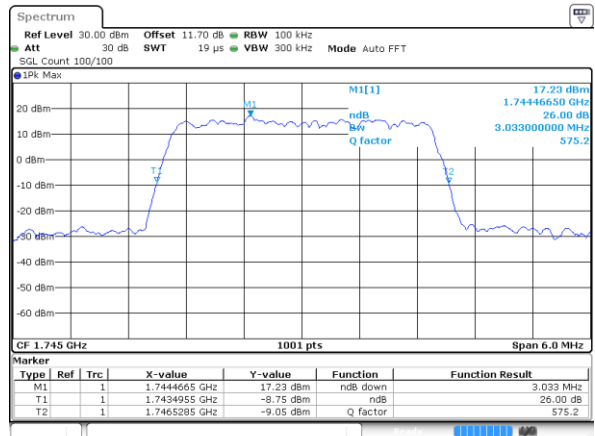
Date: 7 JAN 2018 11:41:13

Middle Channel / 3MHz / QPSK



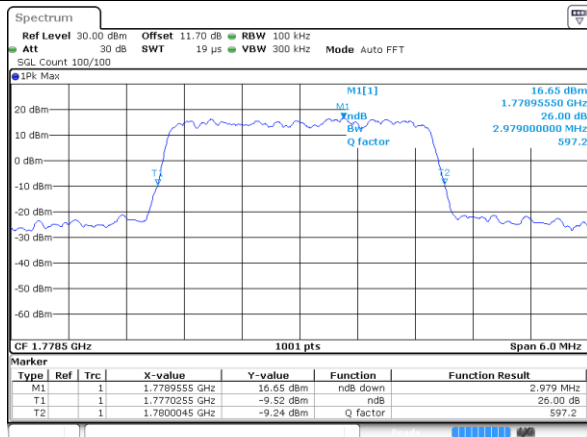
Date: 7 JAN 2018 11:48:07

Middle Channel / 3MHz / 16QAM



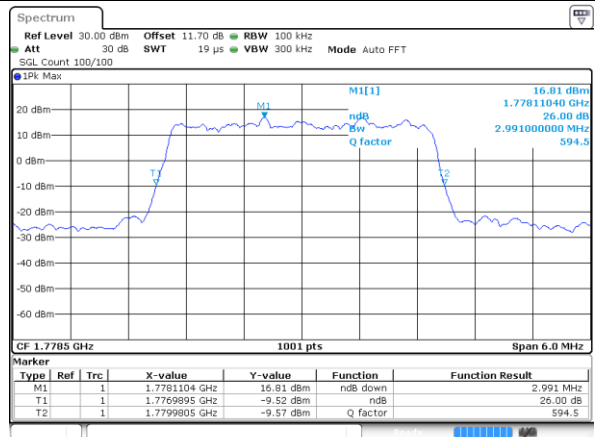
Date: 7 JAN 2018 11:48:18

Highest Channel / 3MHz / QPSK



Date: 7 JAN 2018 11:50:37

Highest Channel / 3MHz / 16QAM

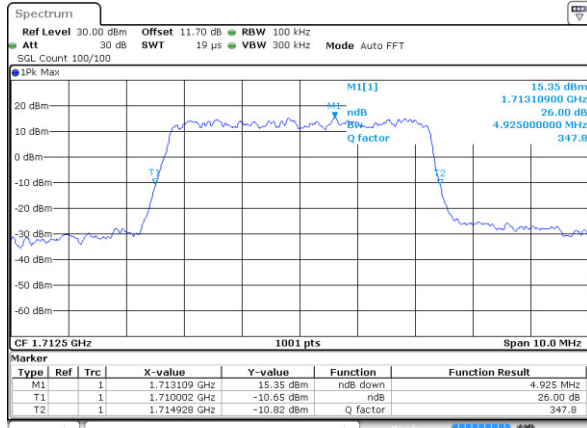


Date: 7 JAN 2018 11:50:47



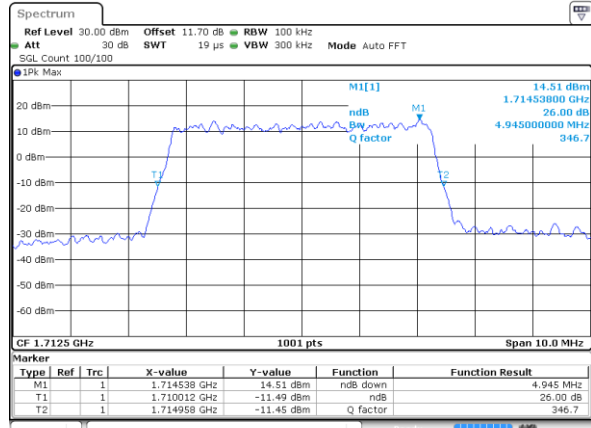
LTE Band 66

Lowest Channel / 5MHz / QPSK



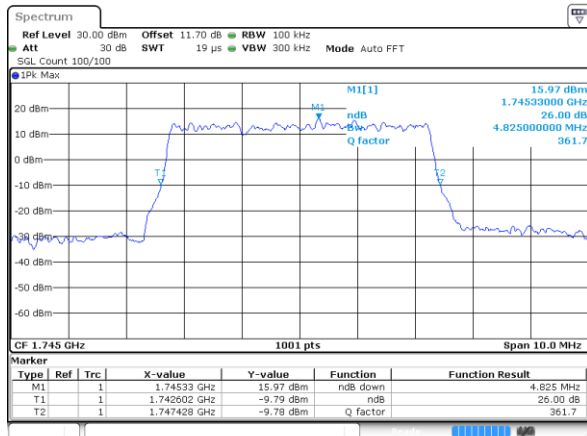
Date: 7 JAN 2018 11:57:41

Lowest Channel / 5MHz / 16QAM



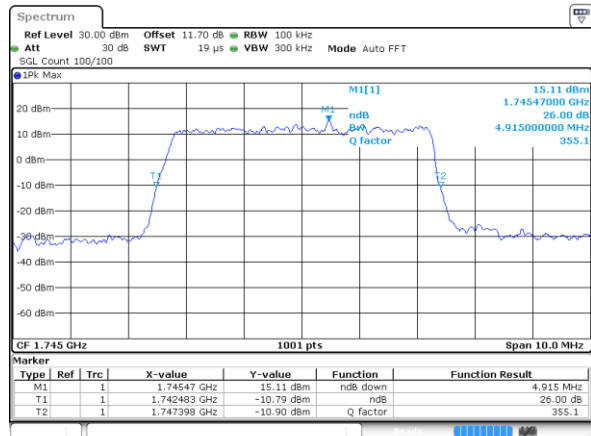
Date: 7 JAN 2018 11:57:51

Middle Channel / 5MHz / QPSK



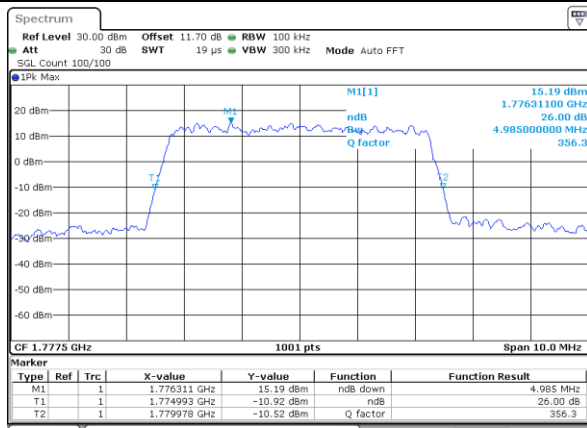
Date: 7 JAN 2018 12:04:45

Middle Channel / 5MHz / 16QAM



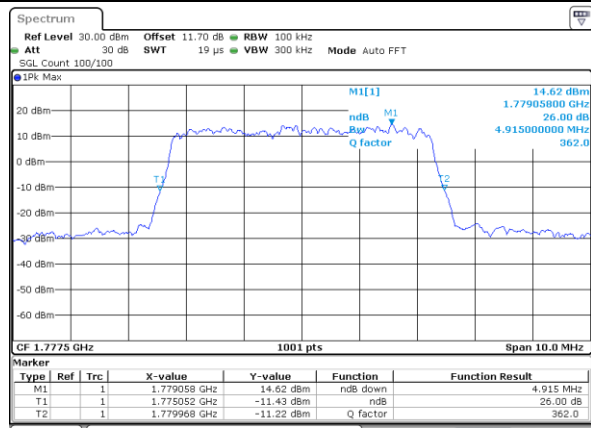
Date: 7 JAN 2018 12:04:55

Highest Channel / 5MHz / QPSK



Date: 7 JAN 2018 12:07:14

Highest Channel / 5MHz / 16QAM

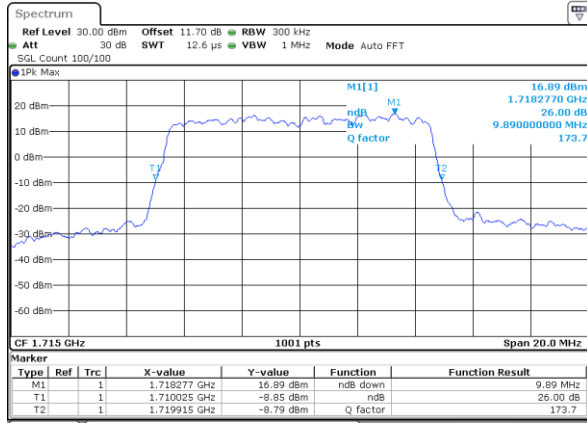


Date: 7 JAN 2018 12:07:24

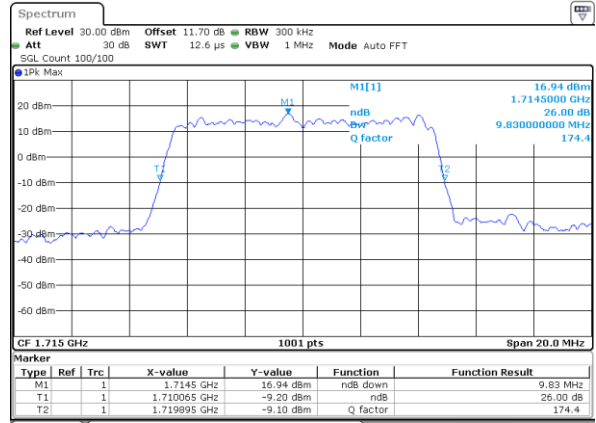


LTE Band 66

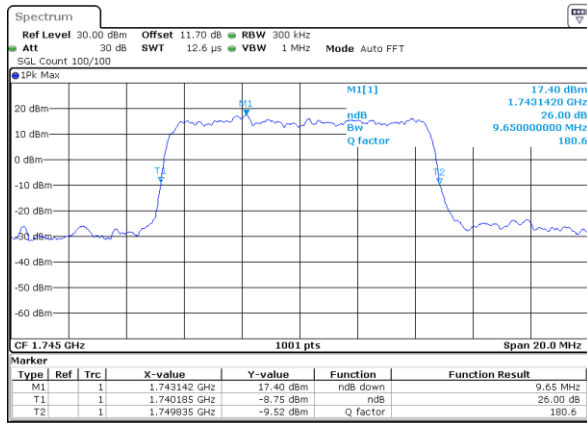
Lowest Channel / 10MHz / QPSK



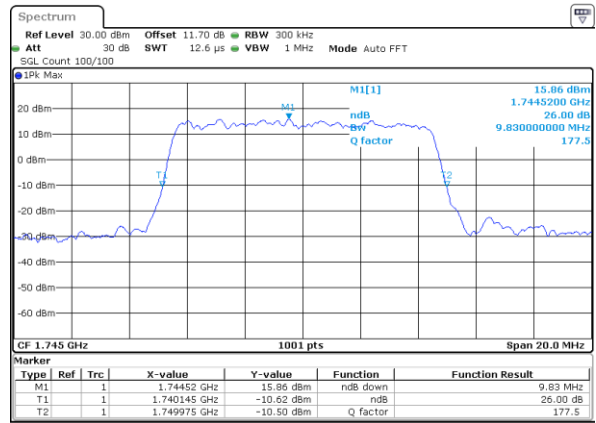
Lowest Channel / 10MHz / 16QAM



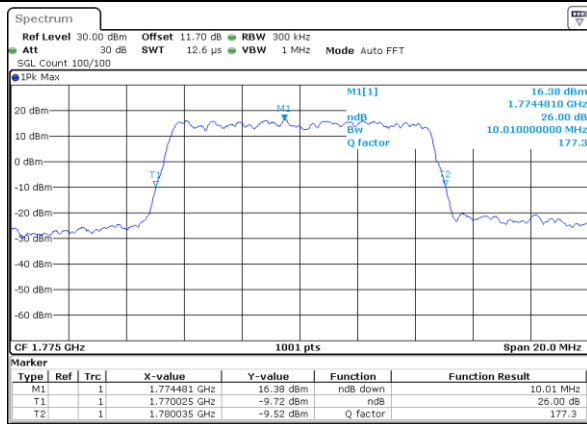
Middle Channel / 10MHz / QPSK



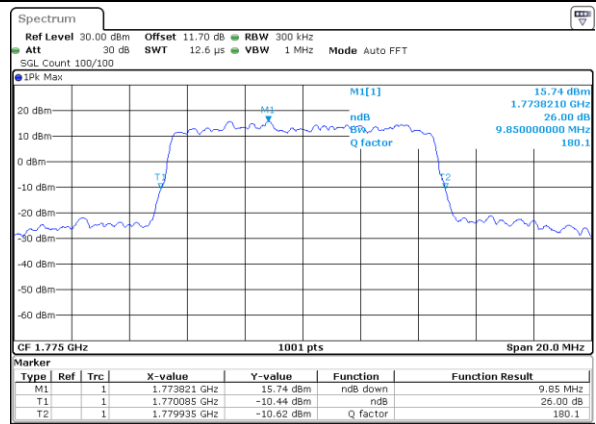
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



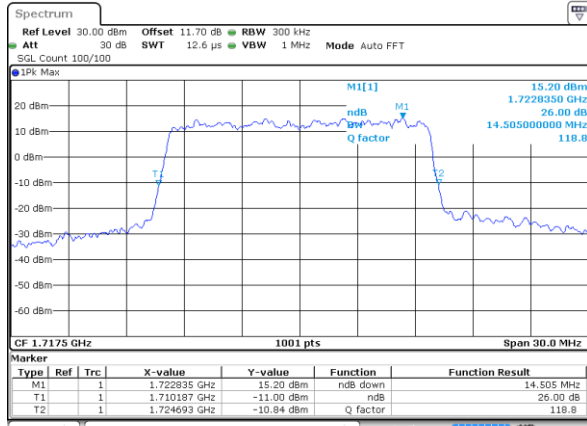
Highest Channel / 10MHz / 16QAM





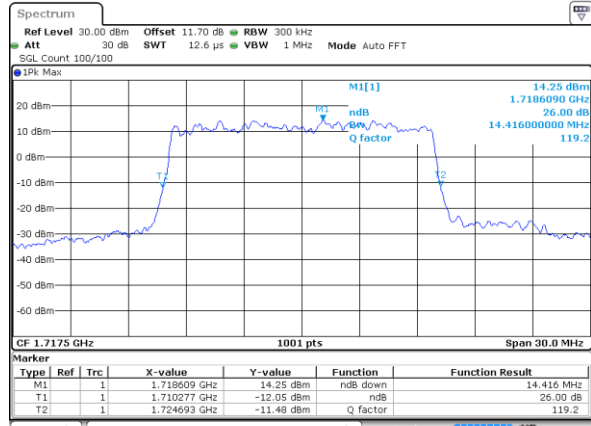
LTE Band 66

Lowest Channel / 15MHz / QPSK



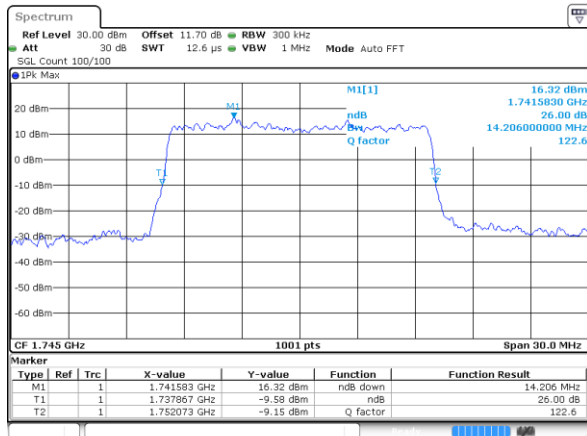
Date: 7 JAN 2018 12:30:55

Lowest Channel / 15MHz / 16QAM



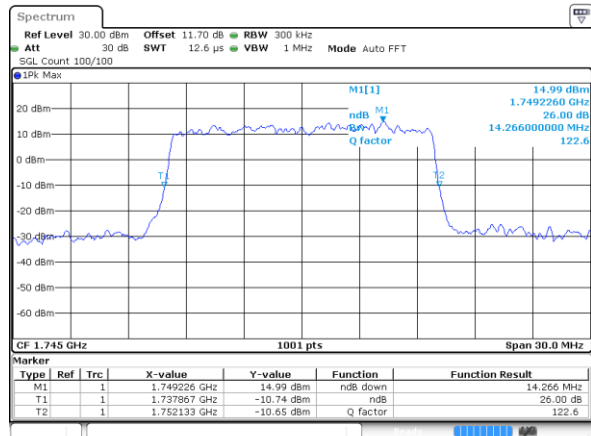
Date: 7 JAN 2018 12:31:05

Middle Channel / 15MHz / QPSK



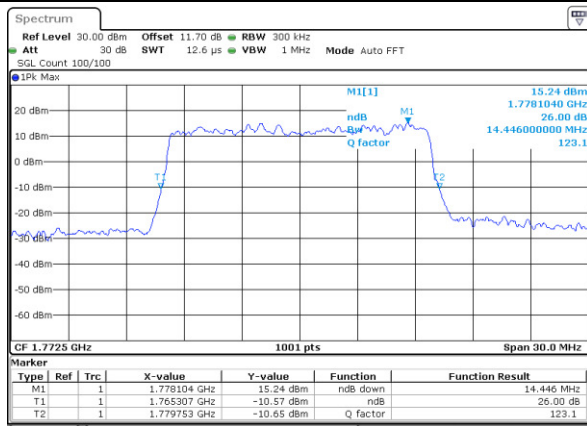
Date: 7 JAN 2018 12:37:59

Middle Channel / 15MHz / 16QAM



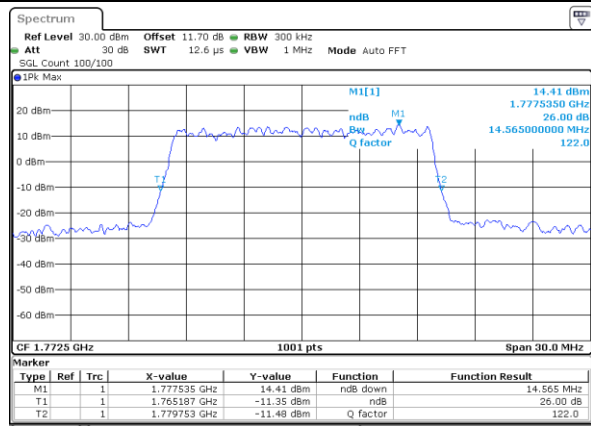
Date: 7 JAN 2018 12:38:09

Highest Channel / 15MHz / QPSK



Date: 7 JAN 2018 12:40:28

Highest Channel / 15MHz / 16QAM

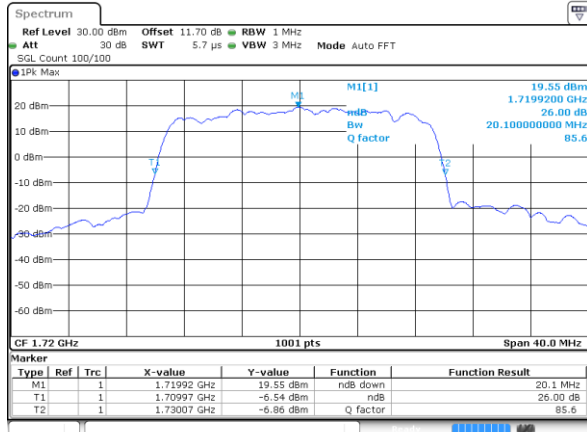


Date: 7 JAN 2018 12:40:38



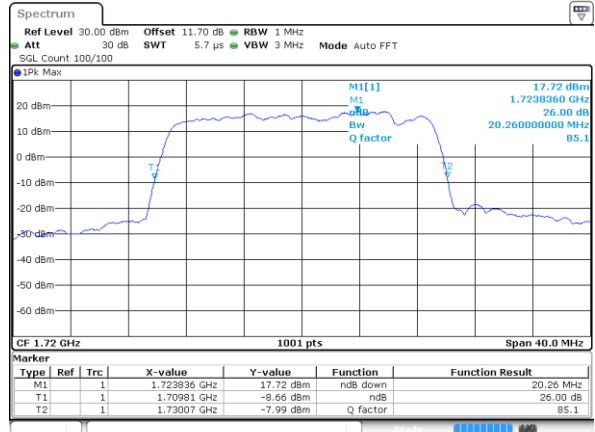
LTE Band 66

Lowest Channel / 20MHz / QPSK



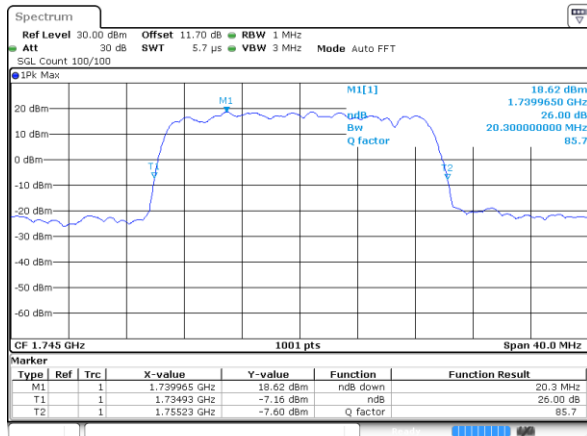
Date: 7 JAN 2018 13:01:46

Lowest Channel / 20MHz / 16QAM



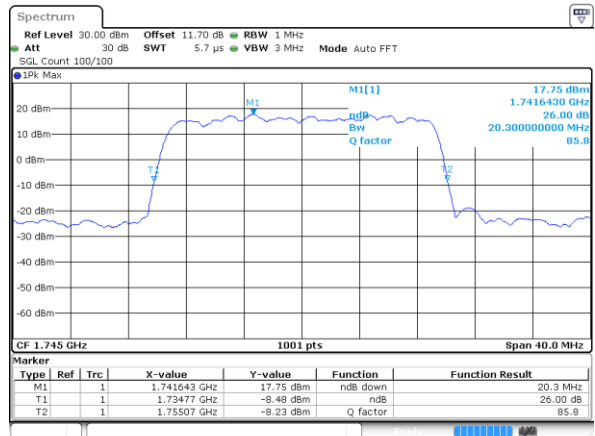
Date: 7 JAN 2018 13:01:56

Middle Channel / 20MHz / QPSK



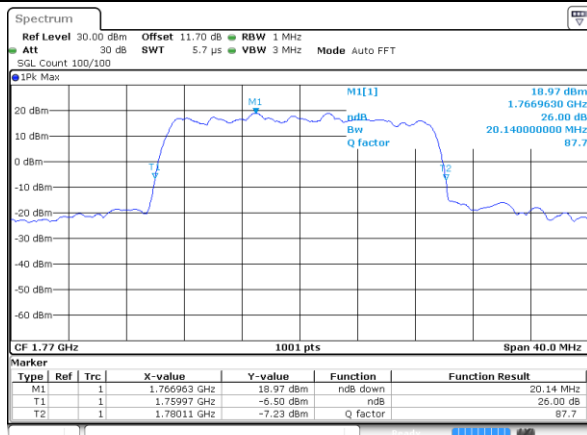
Date: 7 JAN 2018 13:08:50

Middle Channel / 20MHz / 16QAM



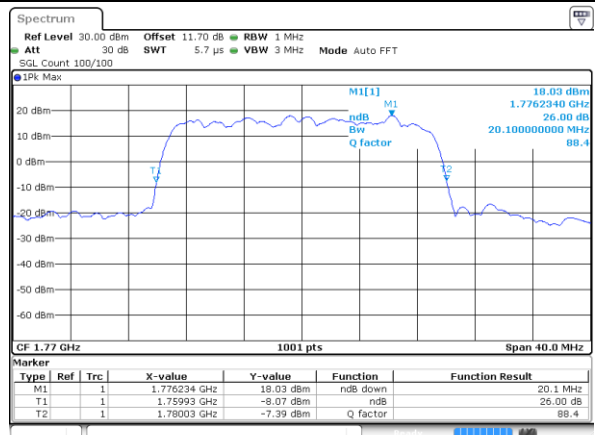
Date: 7 JAN 2018 13:09:00

Highest Channel / 20MHz / QPSK



Date: 7 JAN 2018 13:11:19

Highest Channel / 20MHz / 16QAM



Date: 7 JAN 2018 13:11:29

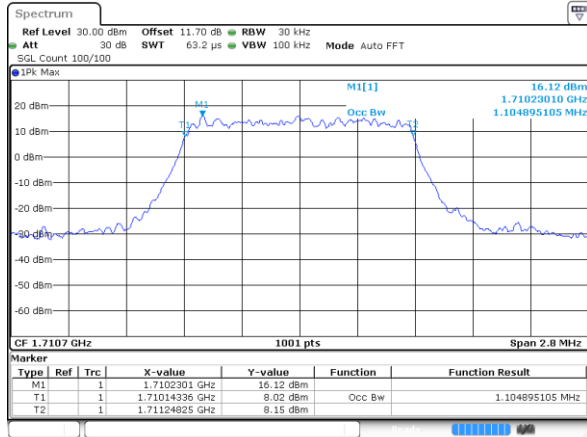
**Occupied Bandwidth**

Mode	LTE Band 66 : 99%OBW(MHz)											
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	2.7	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

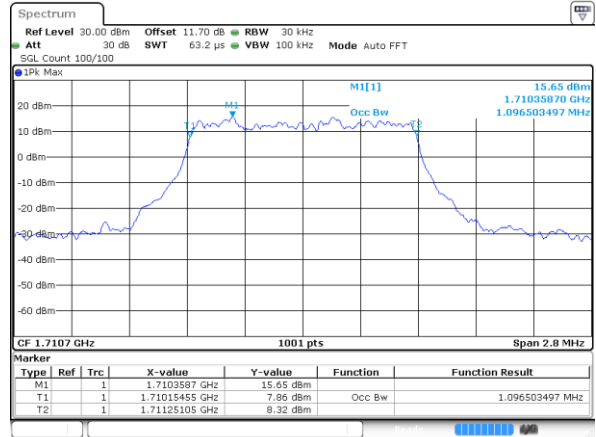


LTE Band 66

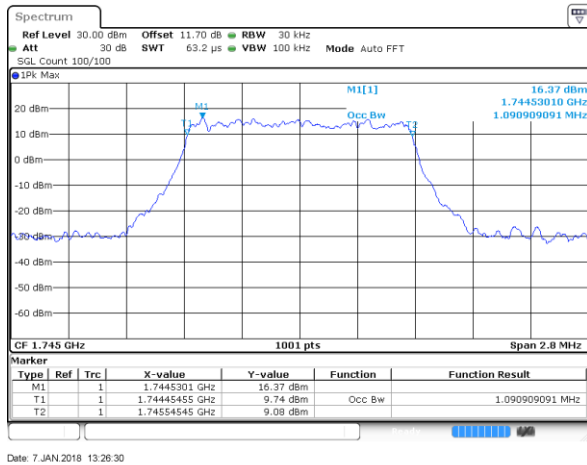
Lowest Channel / 1.4MHz / QPSK



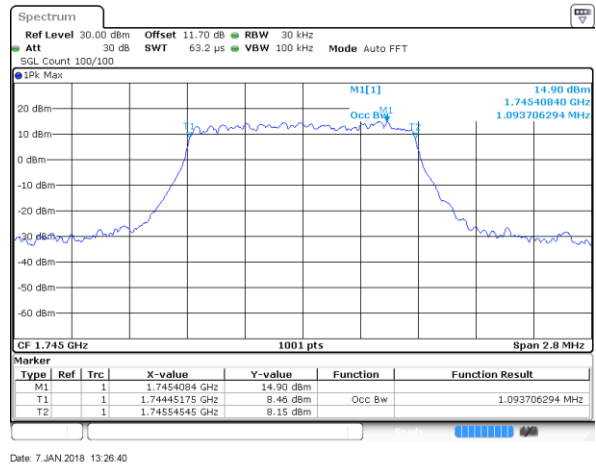
Lowest Channel / 1.4MHz / 16QAM



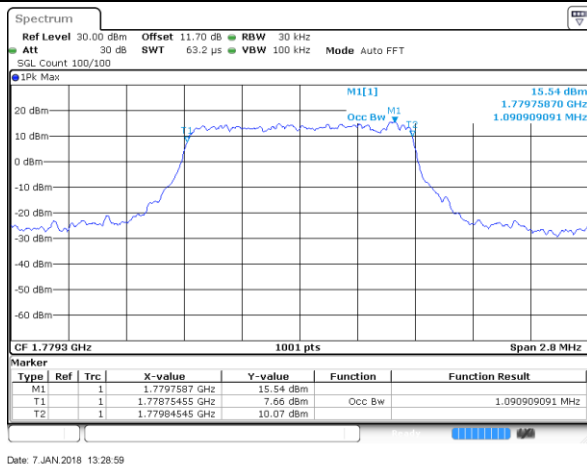
Middle Channel / 1.4MHz / QPSK



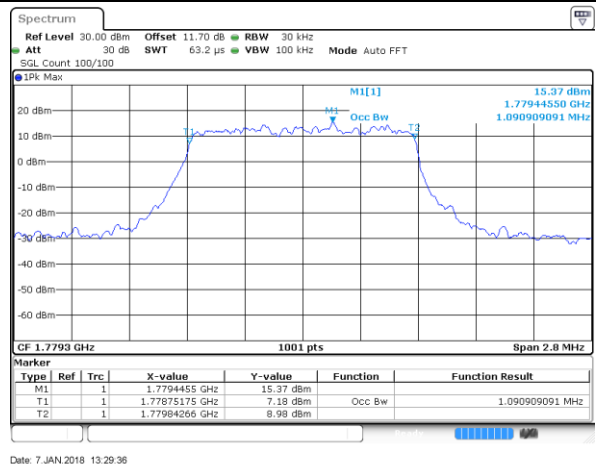
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



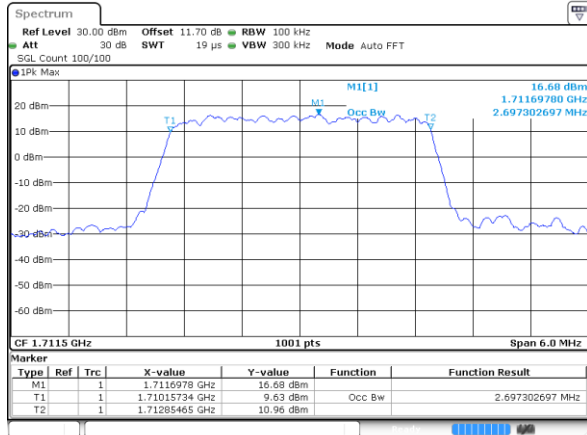
Highest Channel / 1.4MHz / 16QAM



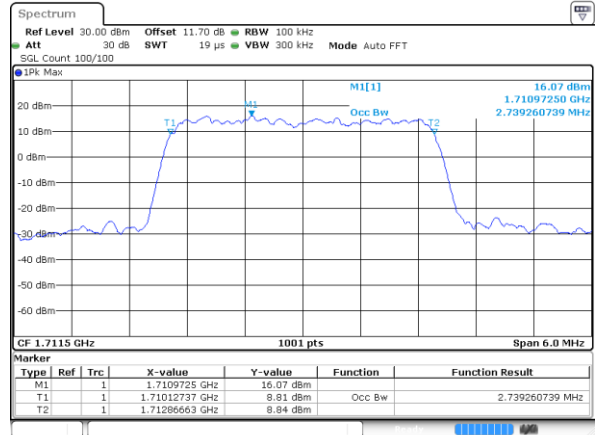


LTE Band 66

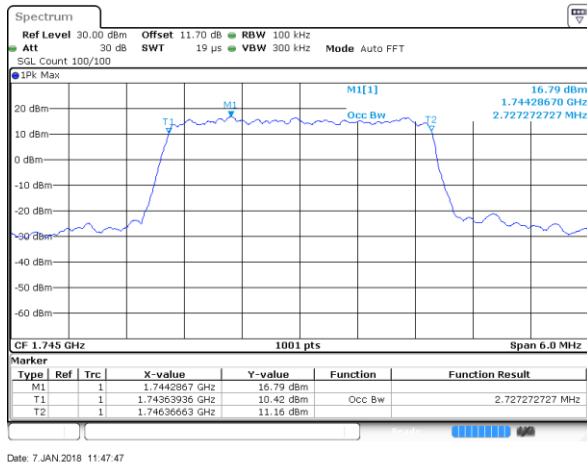
Lowest Channel / 3MHz / QPSK



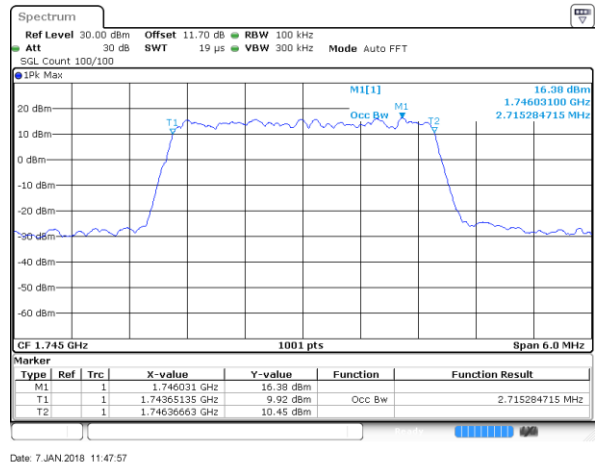
Lowest Channel / 3MHz / 16QAM



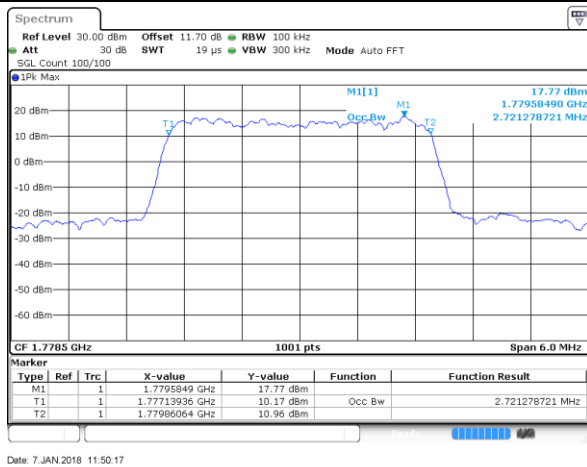
Middle Channel / 3MHz / QPSK



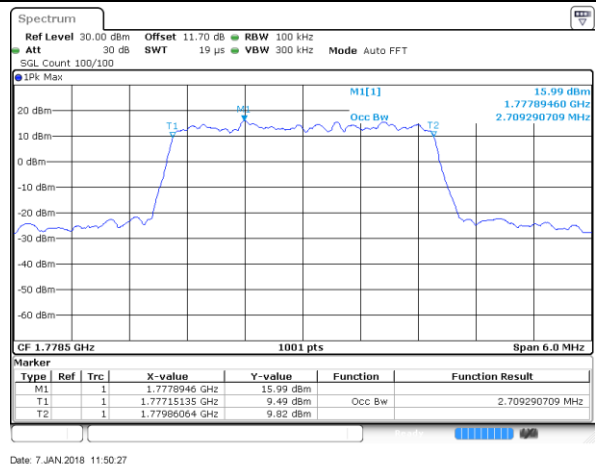
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



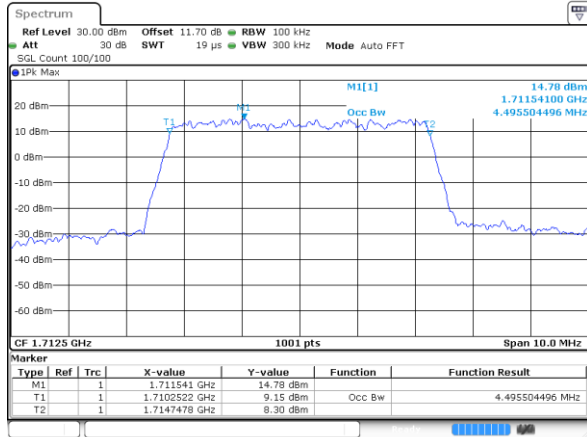
Highest Channel / 3MHz / 16QAM



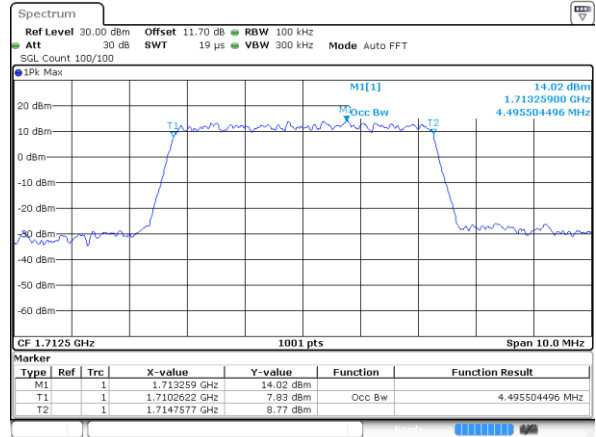


LTE Band 66

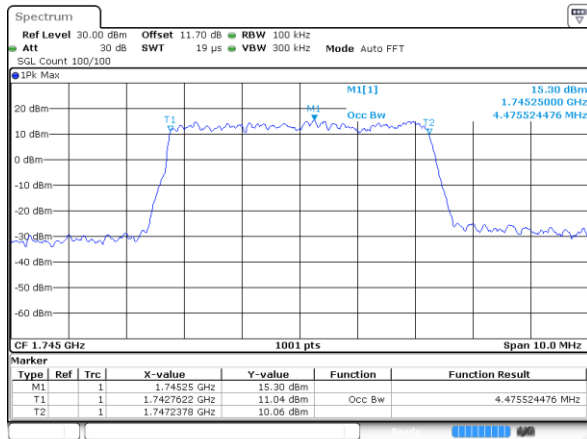
Lowest Channel / 5MHz / QPSK



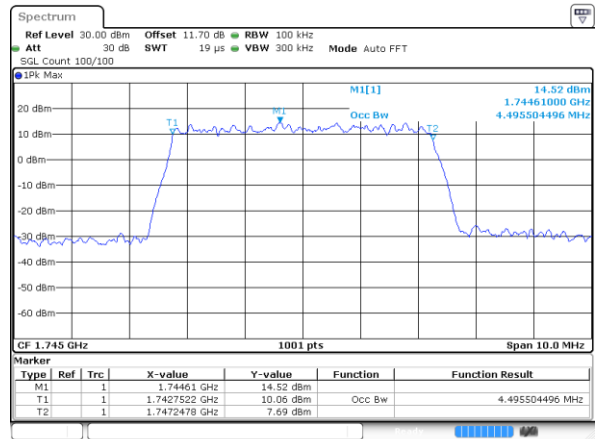
Lowest Channel / 5MHz / 16QAM



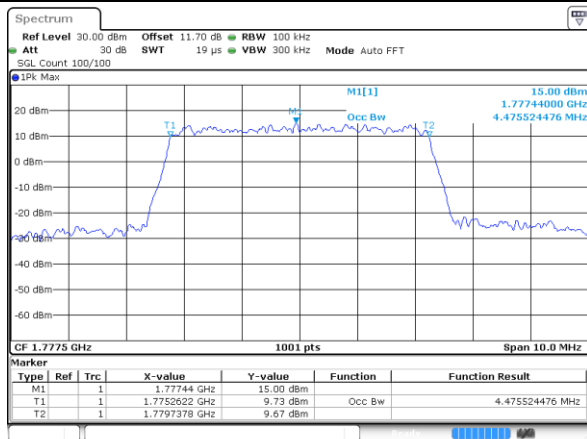
Middle Channel / 5MHz / QPSK



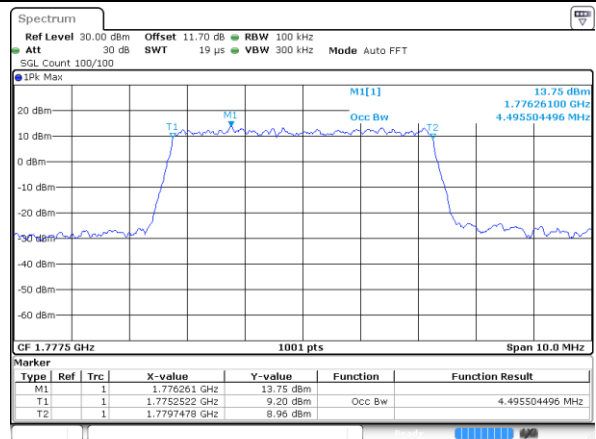
Middle Channel / 5MHz / 16QAM

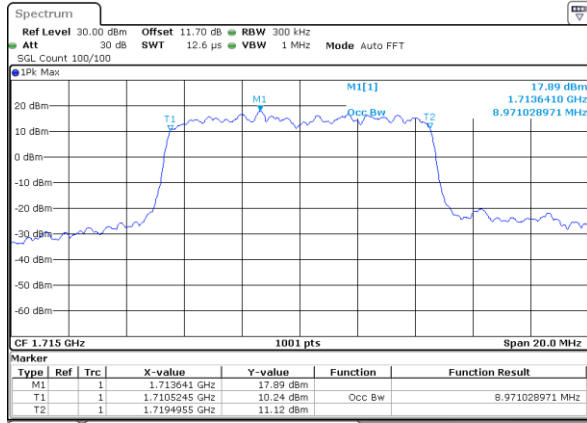


Highest Channel / 5MHz / QPSK

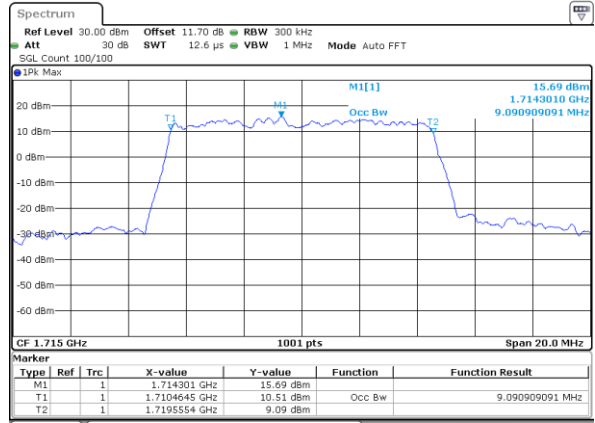


Highest Channel / 5MHz / 16QAM

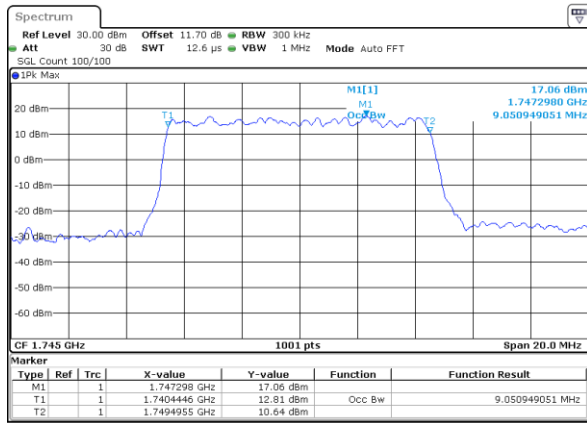


LTE Band 66
Lowest Channel / 10MHz / QPSK


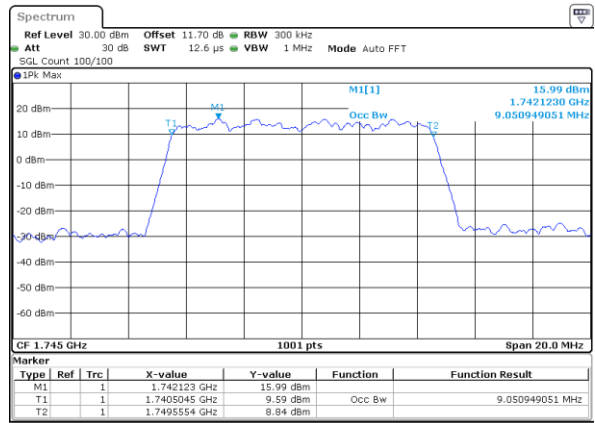
Date: 7 JAN 2018 12:13:58

Lowest Channel / 10MHz / 16QAM


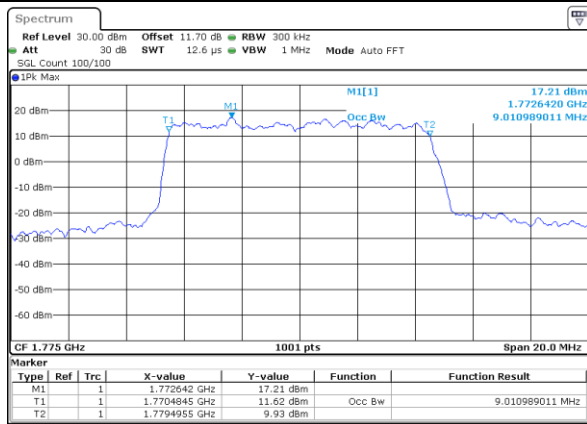
Date: 7 JAN 2018 12:14:08

Middle Channel / 10MHz / QPSK


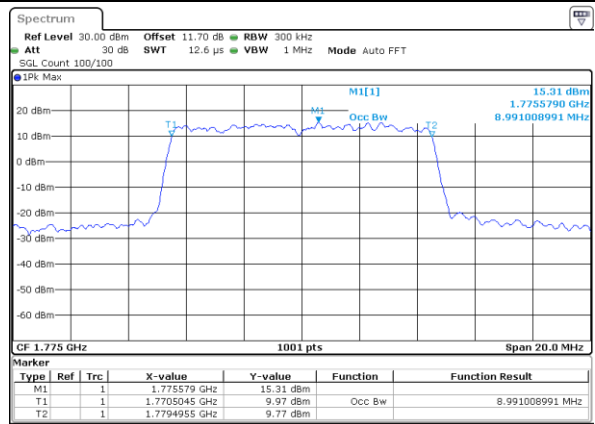
Date: 7 JAN 2018 12:21:01

Middle Channel / 10MHz / 16QAM


Date: 7 JAN 2018 12:21:11

Highest Channel / 10MHz / QPSK


Date: 7 JAN 2018 12:23:31

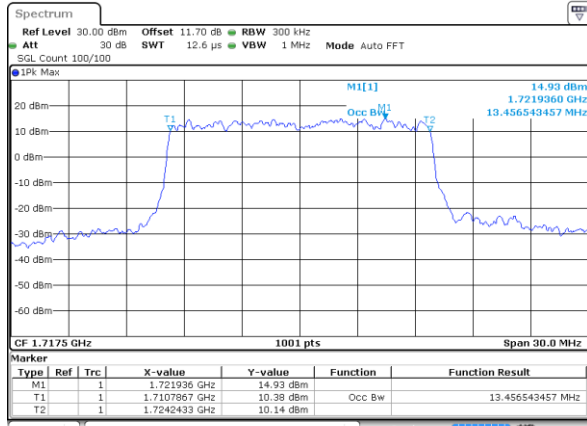
Highest Channel / 10MHz / 16QAM


Date: 7 JAN 2018 12:23:41



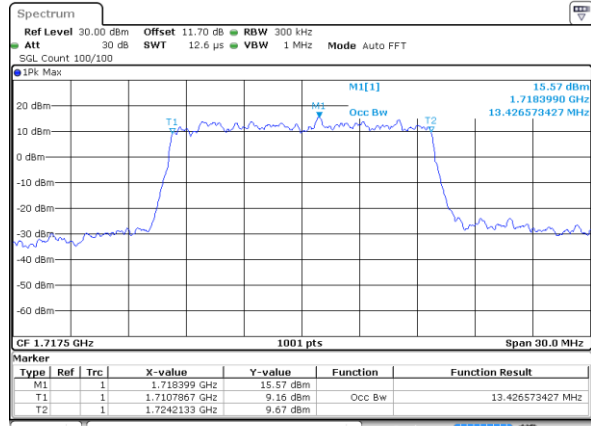
LTE Band 66

Lowest Channel / 15MHz / QPSK



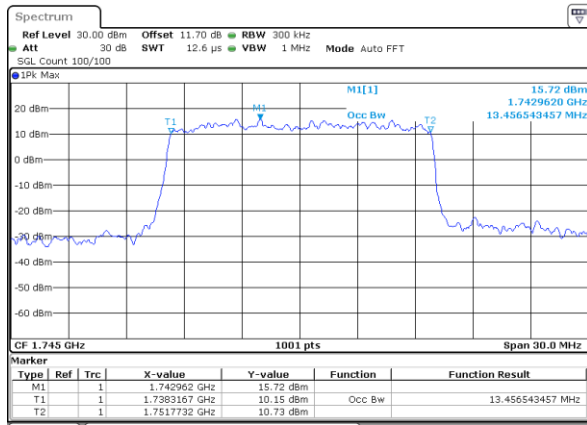
Date: 7 JAN 2018 12:30:35

Lowest Channel / 15MHz / 16QAM



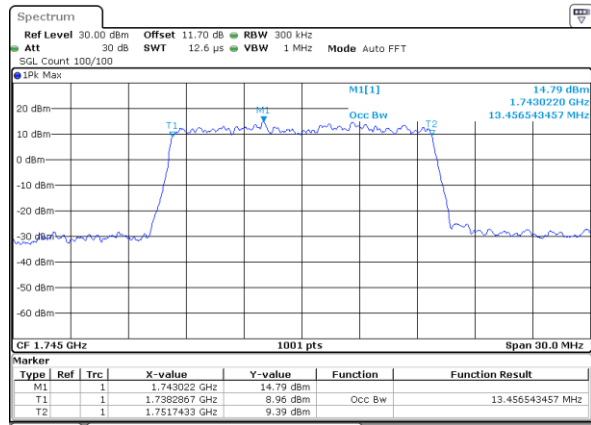
Date: 7 JAN 2018 12:30:45

Middle Channel / 15MHz / QPSK



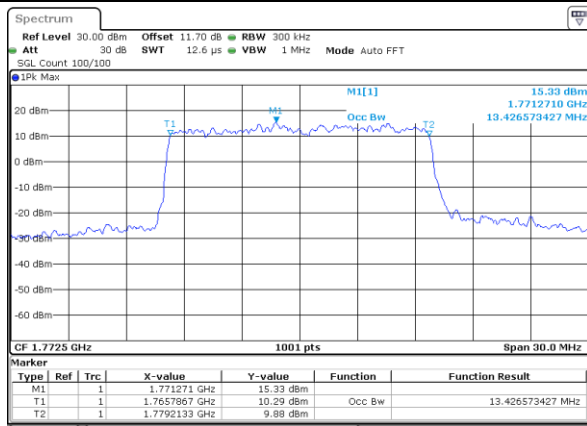
Date: 7 JAN 2018 12:37:39

Middle Channel / 15MHz / 16QAM



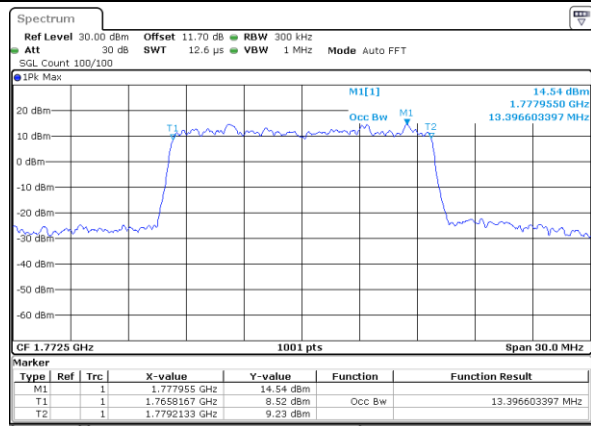
Date: 7 JAN 2018 12:37:49

Highest Channel / 15MHz / QPSK



Date: 7 JAN 2018 12:40:08

Highest Channel / 15MHz / 16QAM

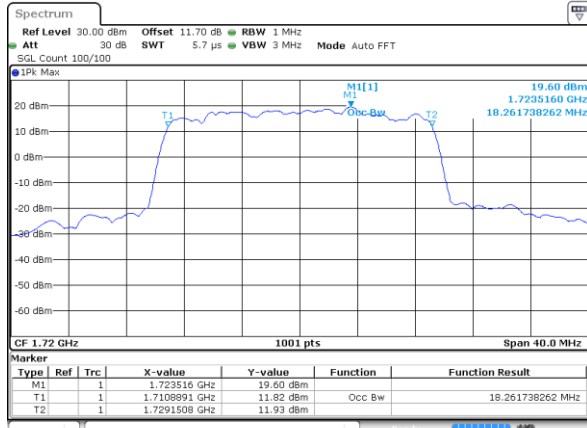


Date: 7 JAN 2018 12:40:18

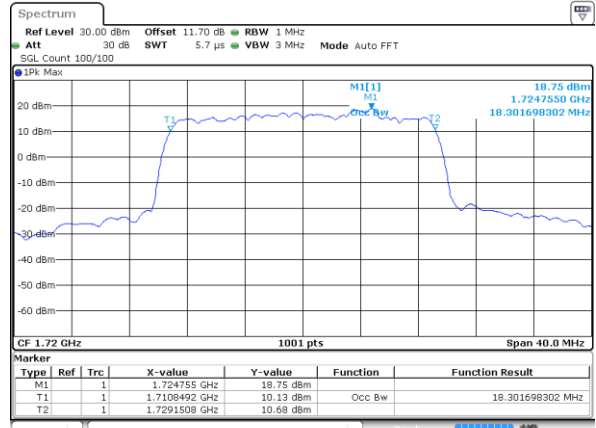


LTE Band 66

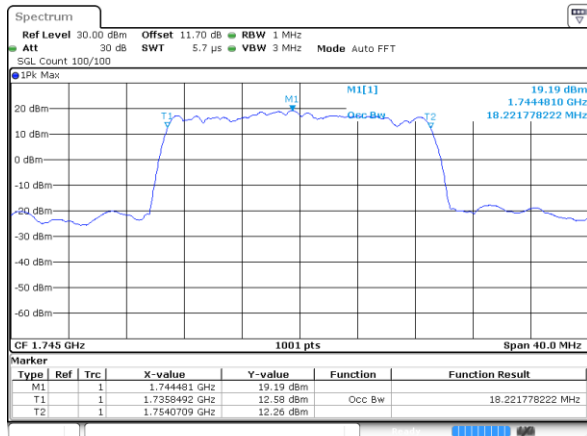
Lowest Channel / 20MHz / QPSK



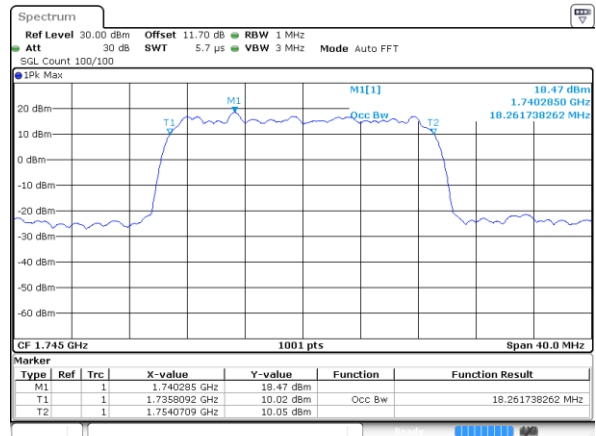
Lowest Channel / 20MHz / 16QAM



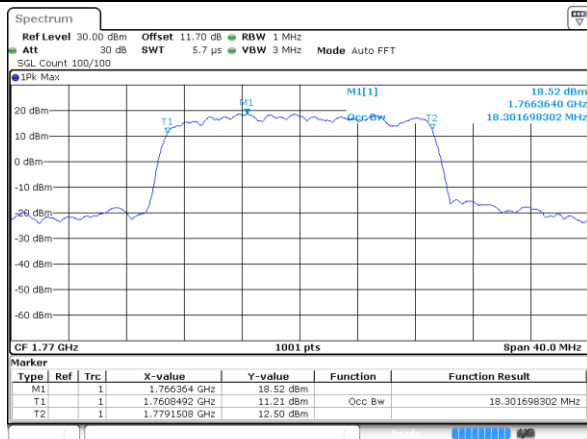
Middle Channel / 20MHz / QPSK



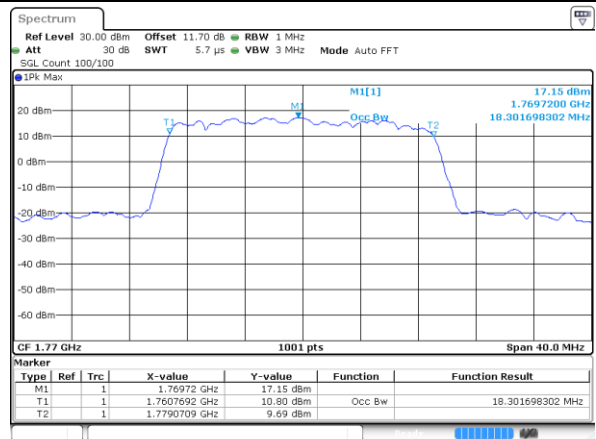
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



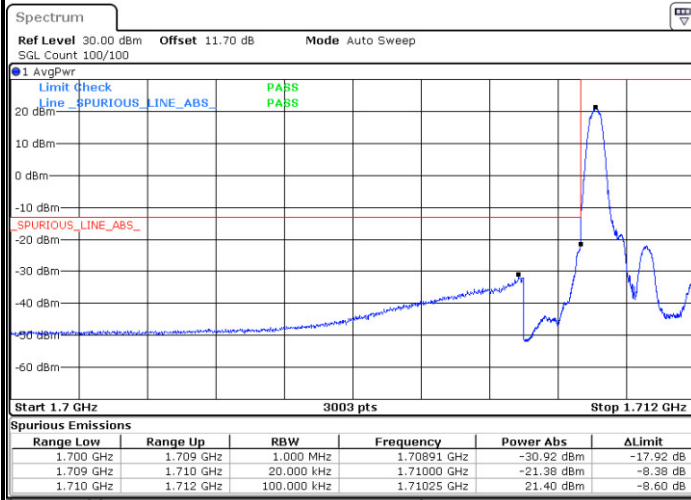


Conducted Band Edge

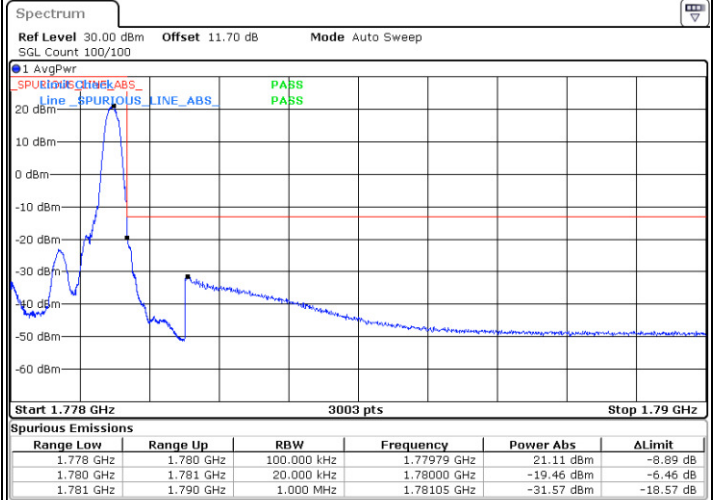


LTE Band 66 / 1.4MHz / QPSK

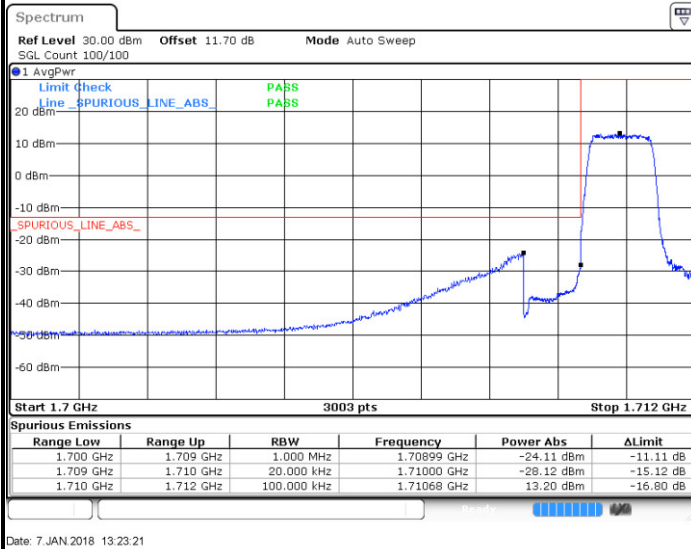
Lowest Band Edge / 1RB



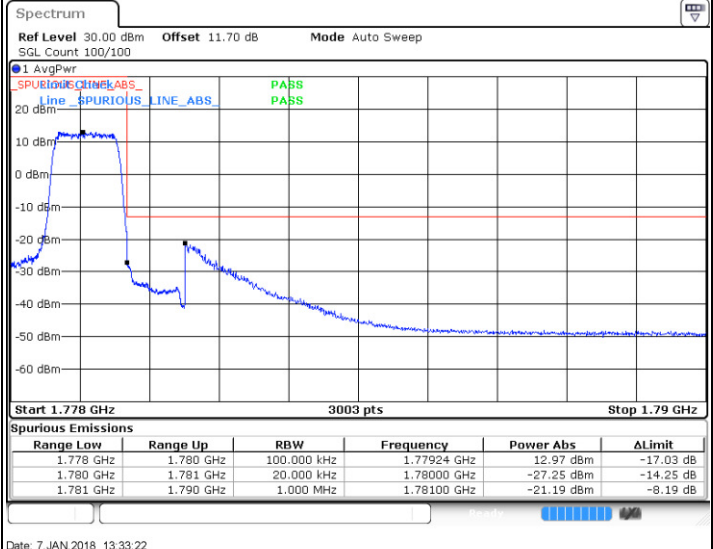
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



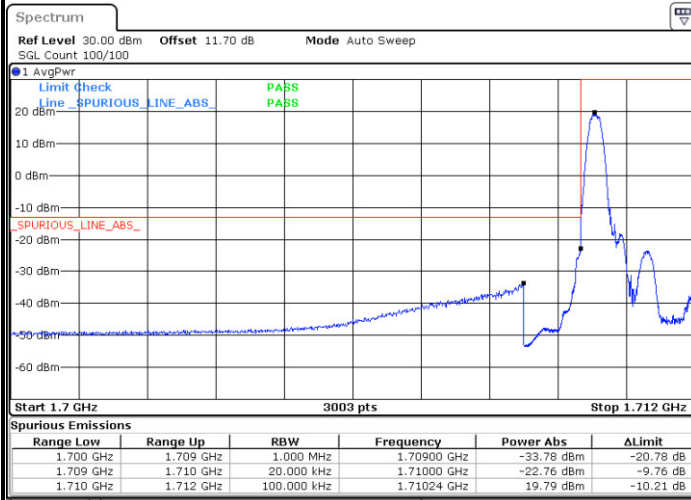
Highest Band Edge / Full RB





LTE Band 66 / 1.4MHz / 16QAM

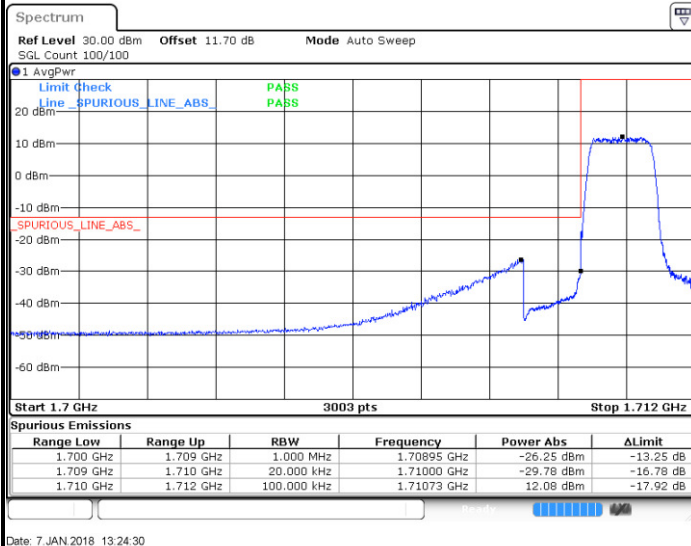
Lowest Band Edge / 1 RB



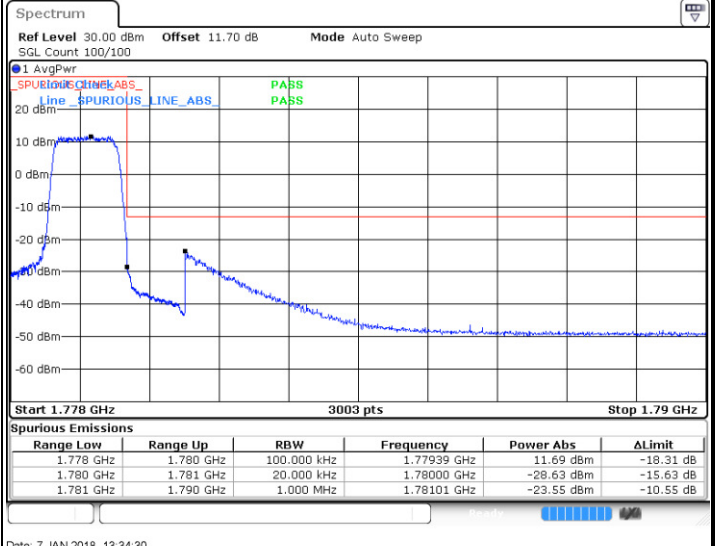
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



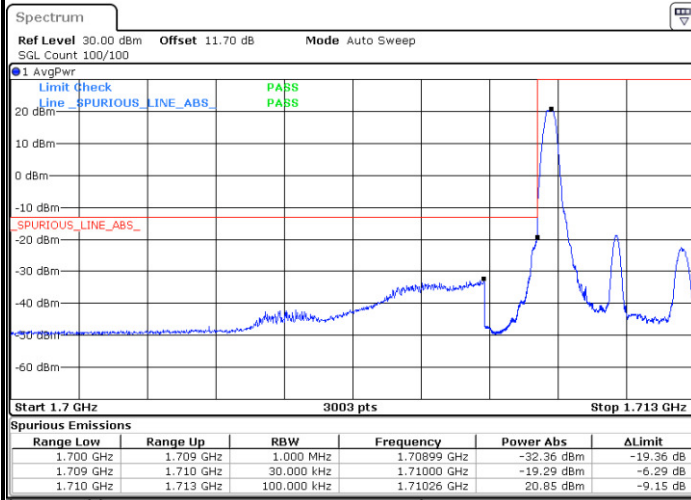
Highest Band Edge / Full RB



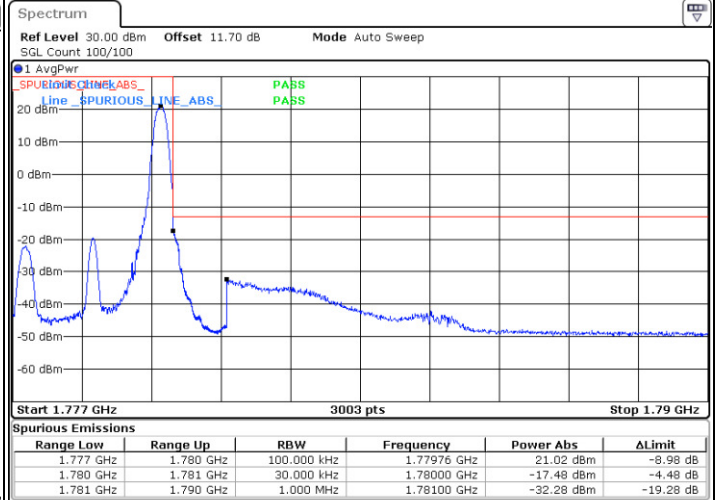


LTE Band 66 / 3MHz / QPSK

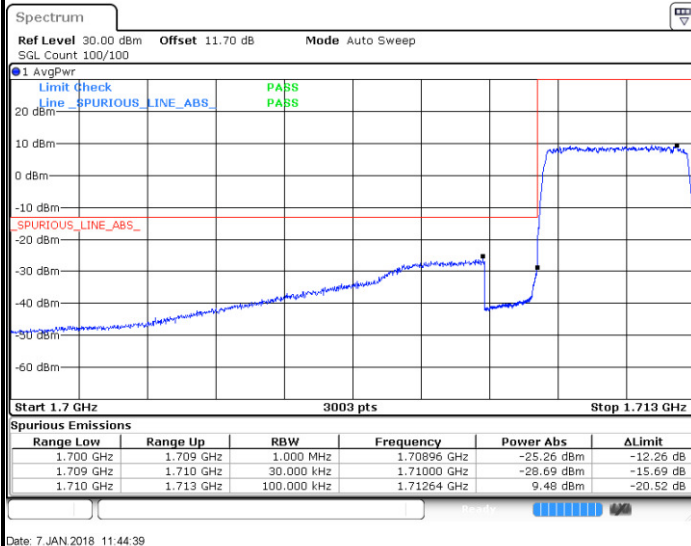
Lowest Band Edge / 1RB



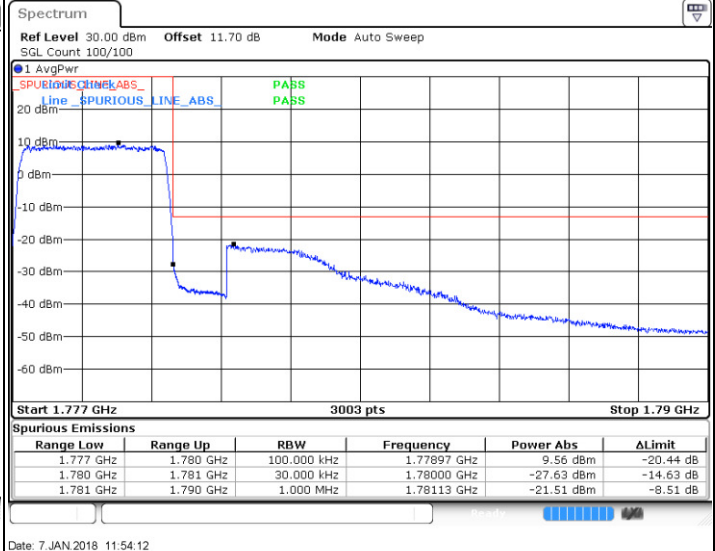
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



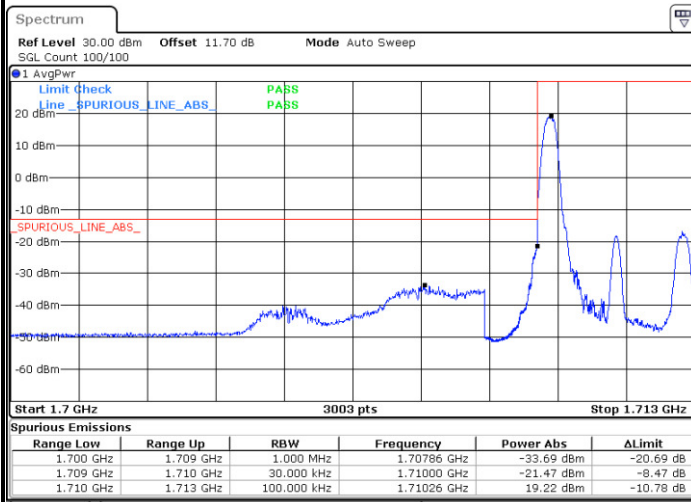
Highest Band Edge / Full RB



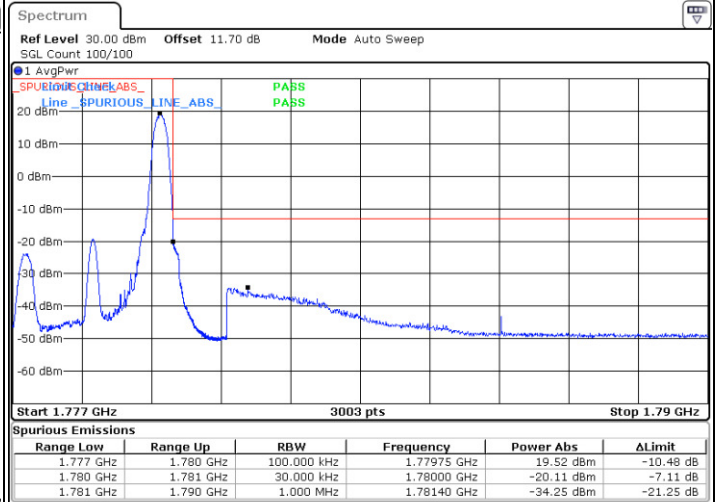


LTE Band 66 / 3MHz / 16QAM

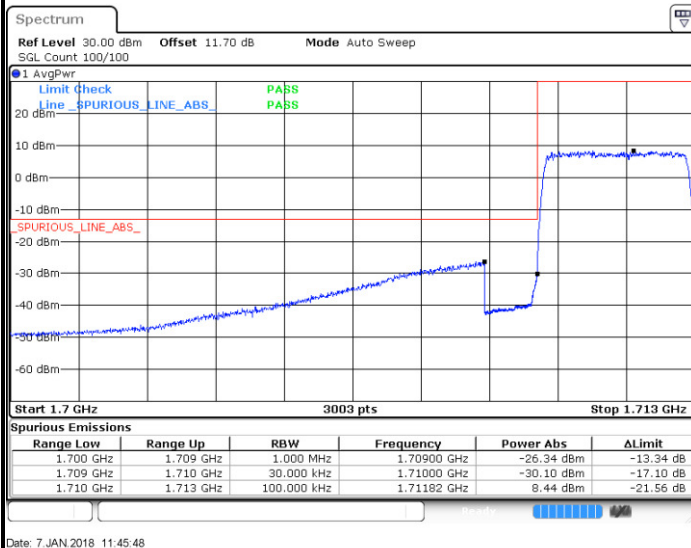
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

