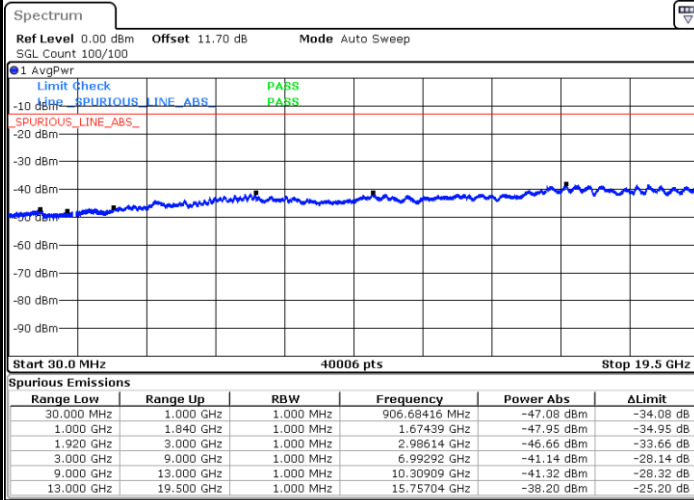




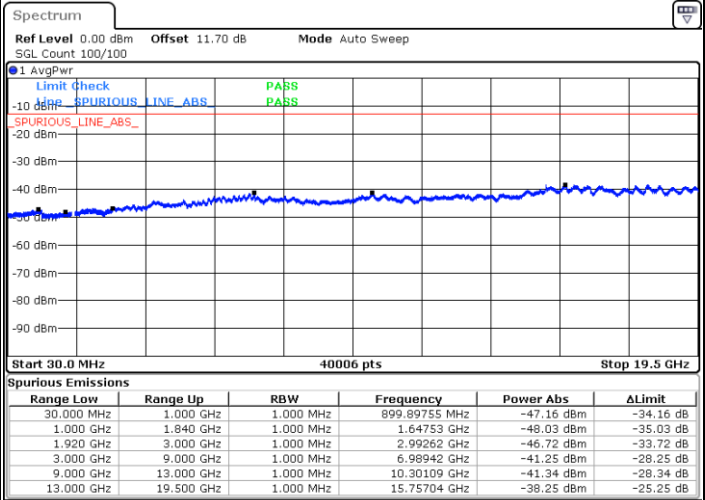
LTE Band 25 / 5MHz

Lowest Channel / 64QAM



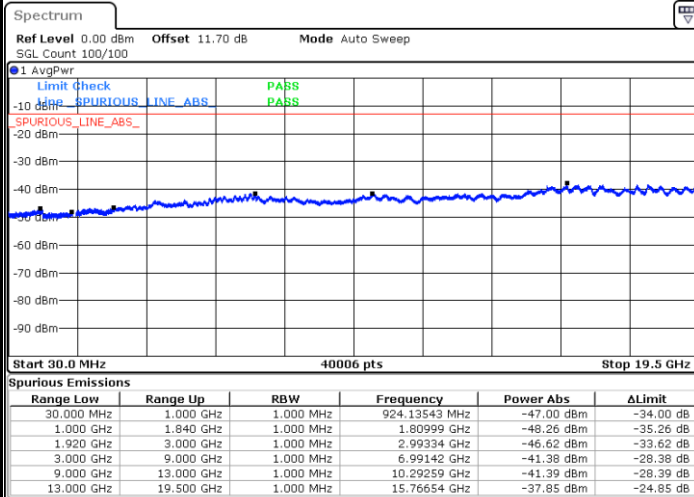
Date: 6.OCT.2017 23:08:56

Middle Channel / 64QAM



Date: 6.OCT.2017 23:10:10

Highest Channel / 64QAM

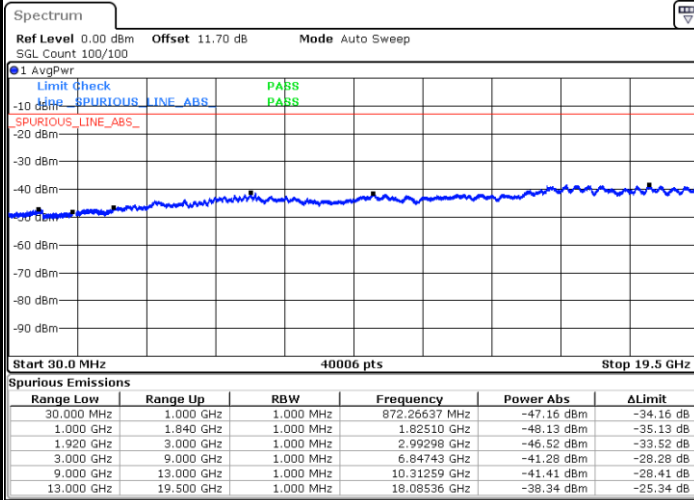


Date: 6.OCT.2017 23:13:41



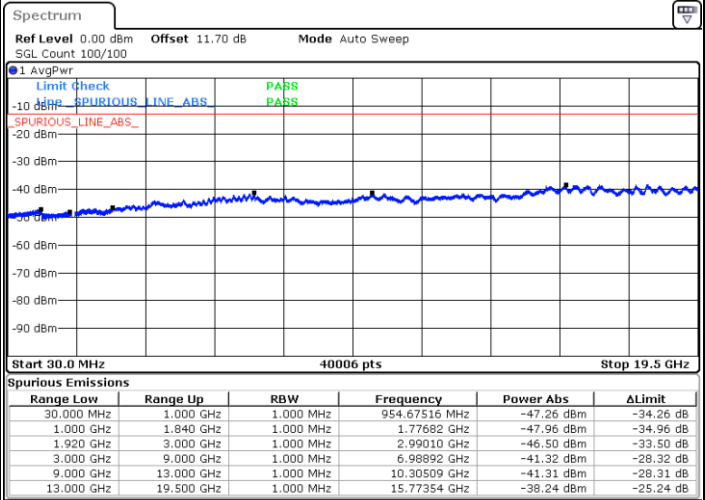
LTE Band 25 / 10MHz

Lowest Channel / 64QAM



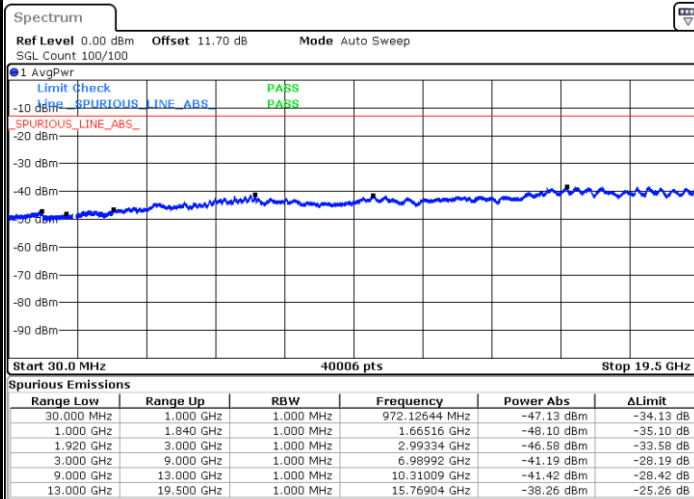
Date: 6.OCT.2017 23:17:13

Middle Channel / 64QAM



Date: 6.OCT.2017 23:18:27

Highest Channel / 64QAM

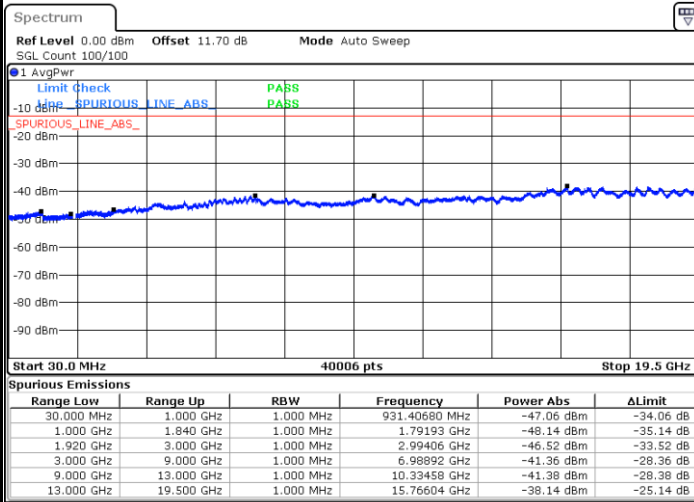


Date: 6.OCT.2017 23:21:58



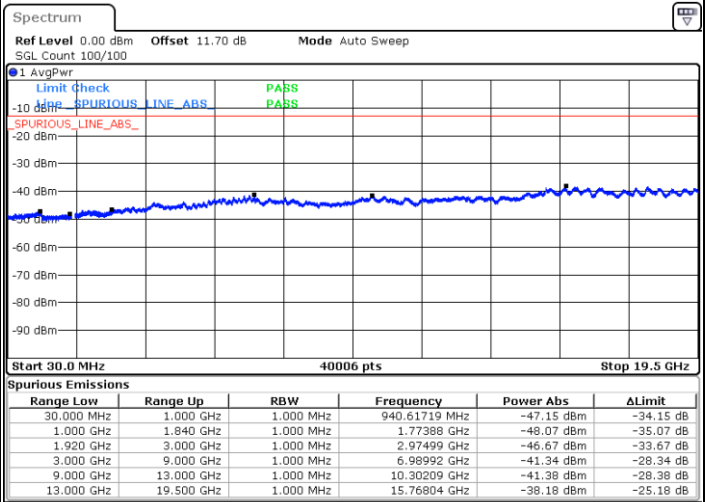
LTE Band 25 / 15MHz

Lowest Channel / 64QAM



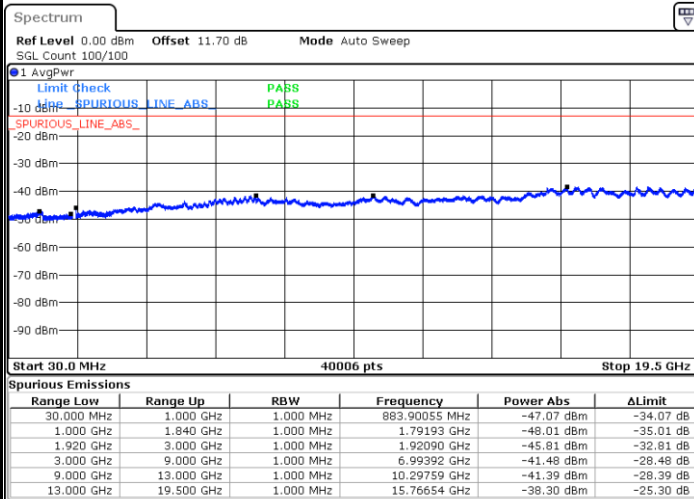
Date: 6 OCT.2017 23:25:30

Middle Channel / 64QAM



Date: 6 OCT.2017 23:26:44

Highest Channel / 64QAM

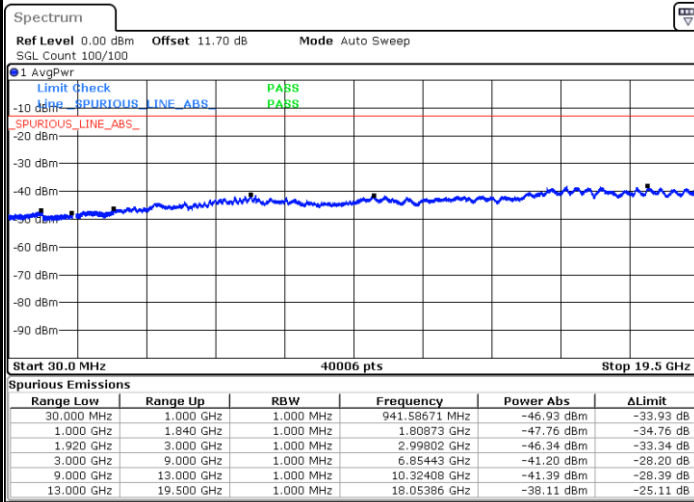


Date: 6 OCT.2017 23:30:15



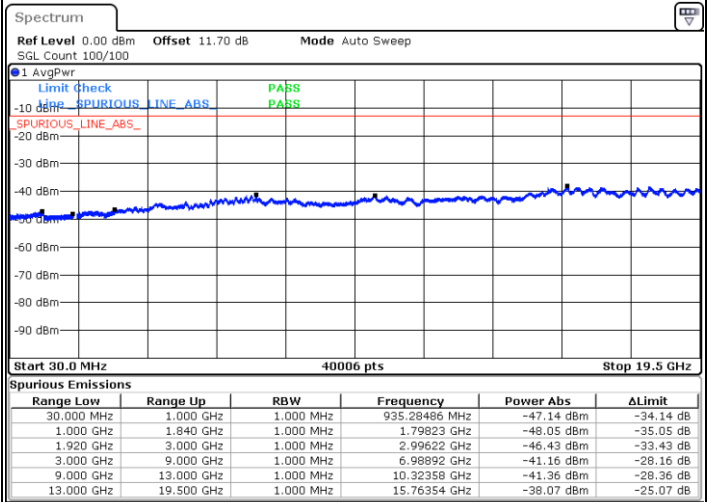
LTE Band 25 / 20MHz

Lowest Channel / 64QAM



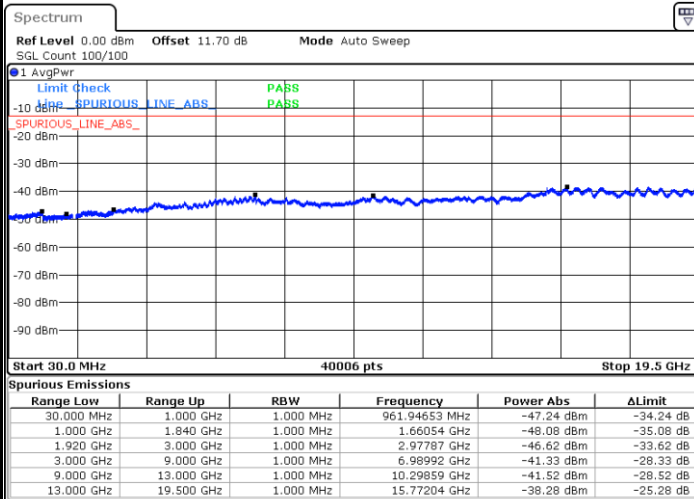
Date: 6.OCT.2017 23:33:47

Middle Channel / 64QAM



Date: 6.OCT.2017 23:35:01

Highest Channel / 64QAM



Date: 6.OCT.2017 23:38:32

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

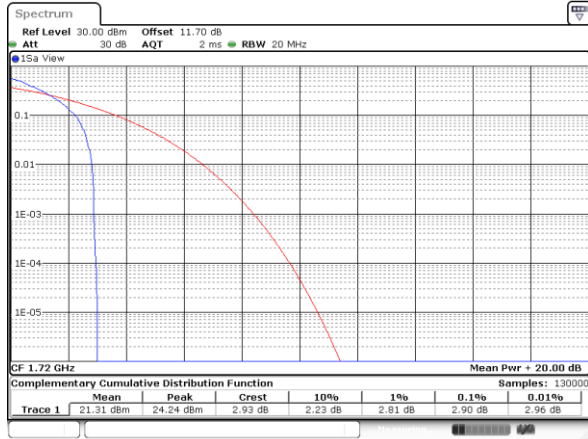
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	2.9	4.41	3.94	5.39	PASS
Middle CH	3.62	4.35	4.38	5.51	
Highest CH	3.74	4.58	4.46	5.62	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.7	5.88	-	-	PASS
Middle CH	5.07	5.59	-	-	
Highest CH	5.51	5.97	-	-	

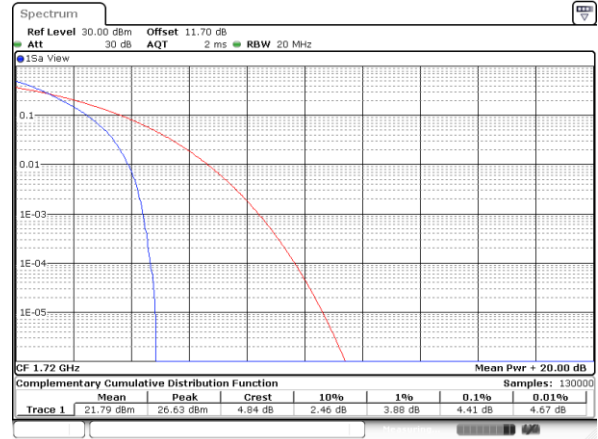


LTE Band 66 / 20MHz / QPSK

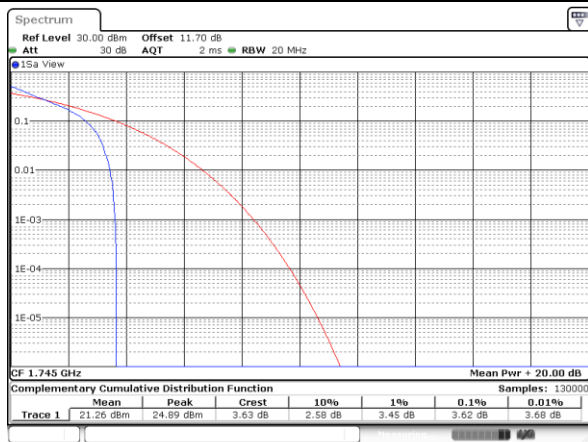
Lowest Channel / 1RB



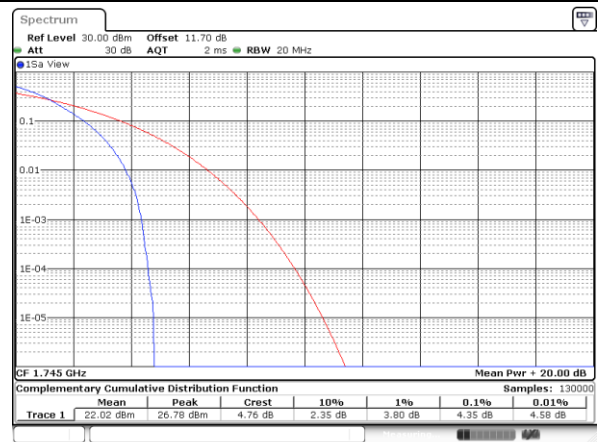
Lowest Channel / Full RB



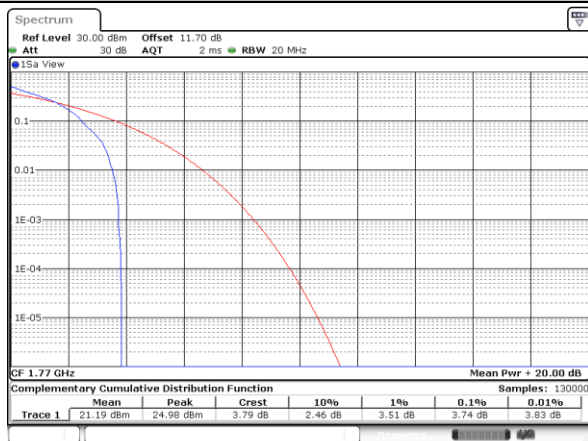
Middle Channel / 1RB



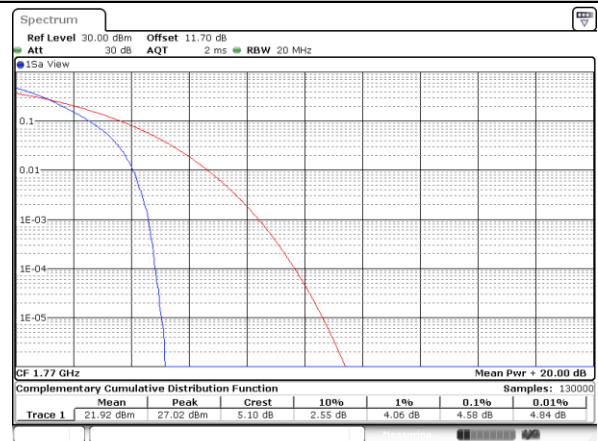
Middle Channel / Full RB



Highest Channel / 1RB



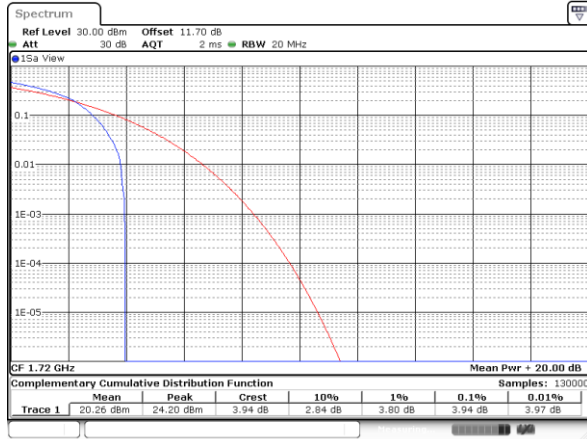
Highest Channel / Full RB



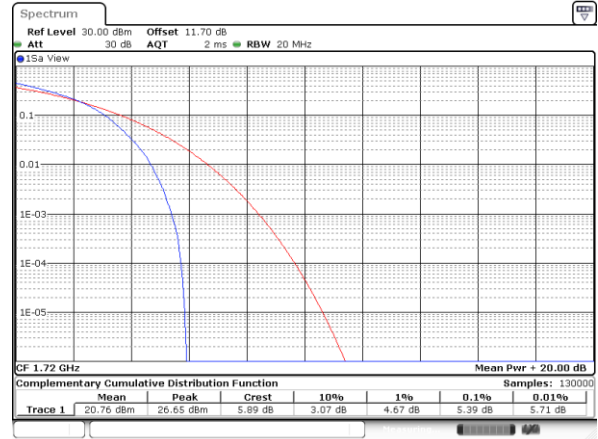


LTE Band 66 / 20MHz / 16QAM

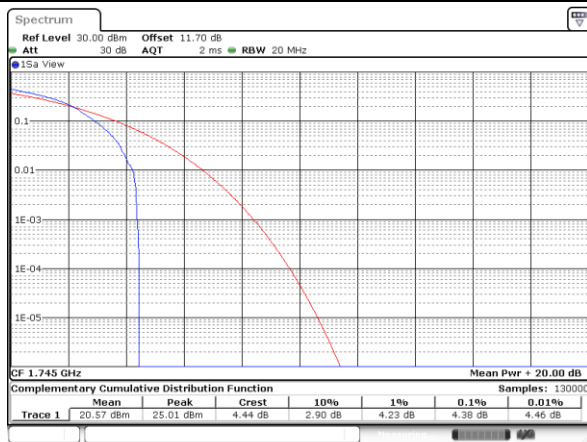
Lowest Channel / 1RB



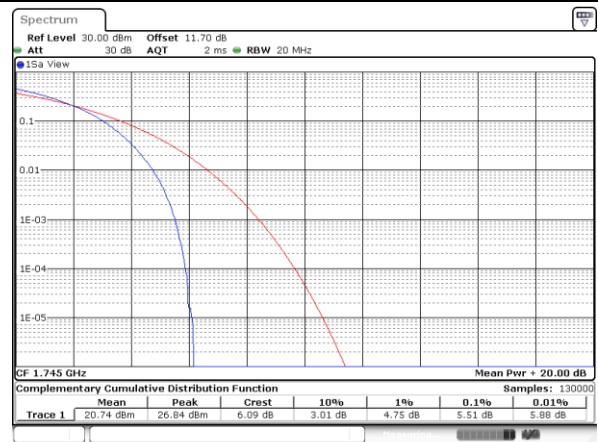
Lowest Channel / Full RB



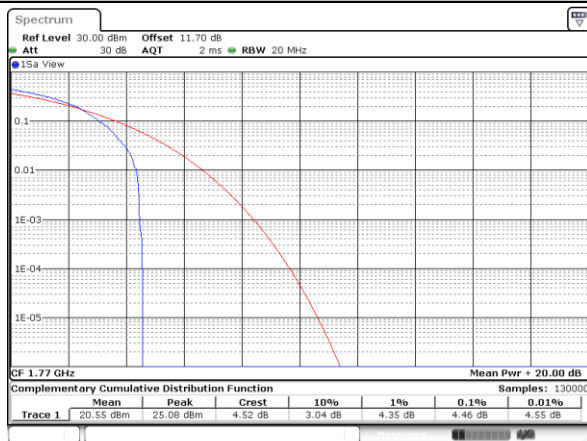
Middle Channel / 1RB



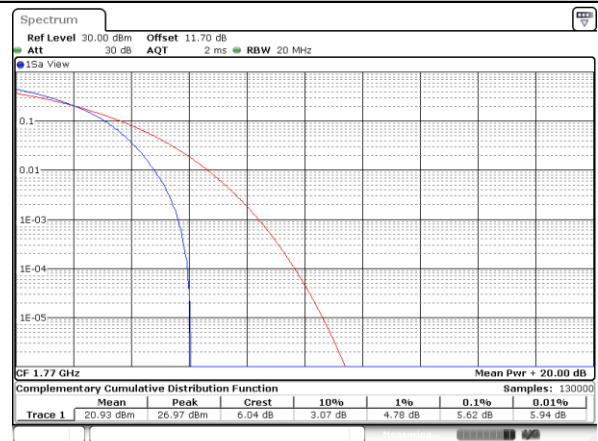
Middle Channel / Full RB



Highest Channel / 1RB



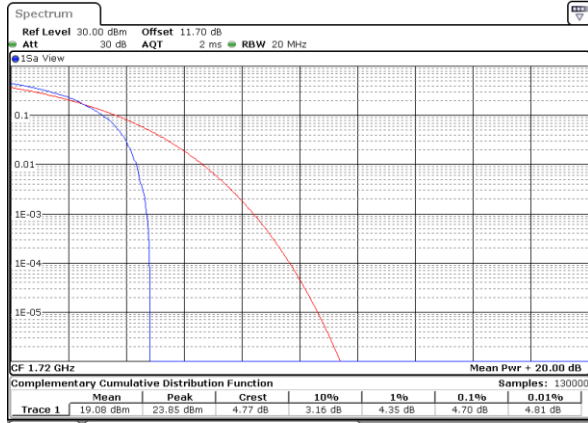
Highest Channel / Full RB



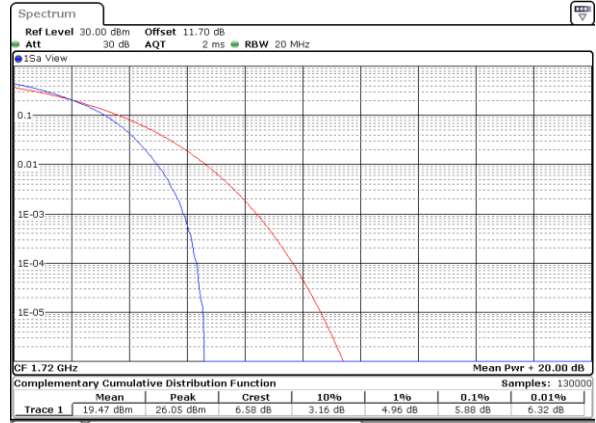


LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



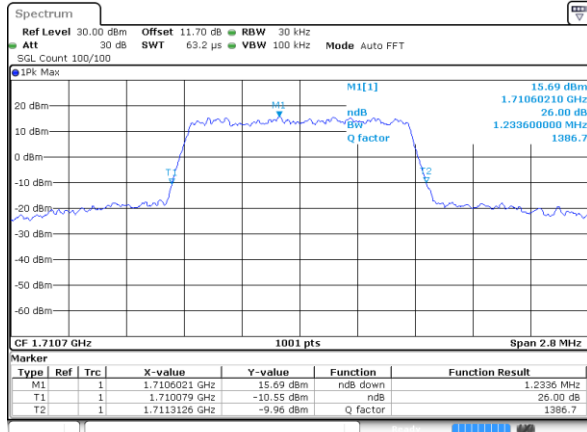
**26dB Bandwidth**

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	1.23	1.23	3.05	2.97	4.94	4.86	9.81	9.91	14.39	14.39	20.30	20.10
Middle CH	1.23	1.23	3.08	3.03	4.96	4.92	9.99	9.91	14.48	14.15	20.10	20.18
Highest CH	1.24	1.24	3.04	3.04	4.91	4.99	9.91	9.73	14.57	14.18	20.06	20.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.21	-	3.01	-	4.9	-	9.83	-	14.24	-	20.22	-
Middle CH	1.22	-	3	-	4.91	-	9.79	-	14.48	-	20.14	-
Highest CH	1.23	-	3.03	-	4.95	-	9.75	-	4.42	-	20.02	-

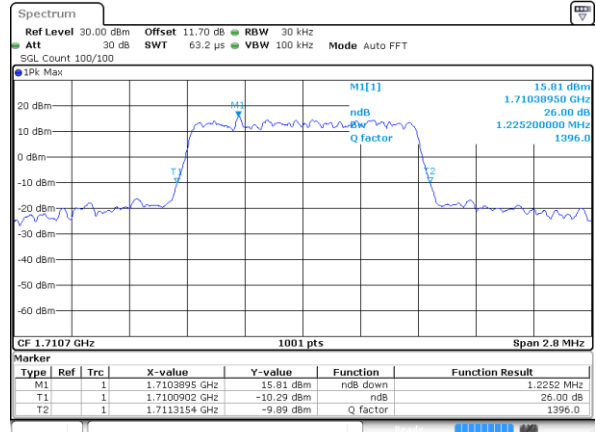


LTE Band 66

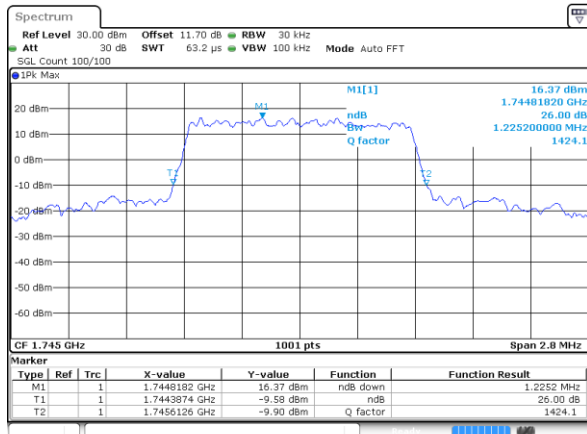
Lowest Channel / 1.4MHz / QPSK



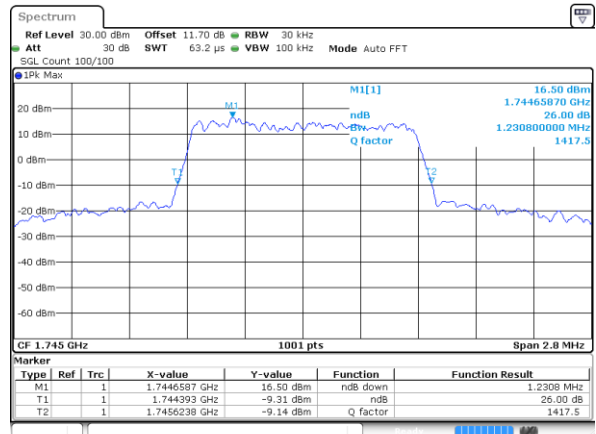
Lowest Channel / 1.4MHz / 16QAM



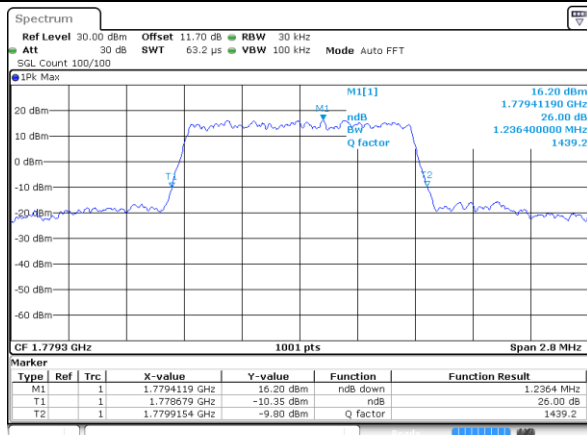
Middle Channel / 1.4MHz / QPSK



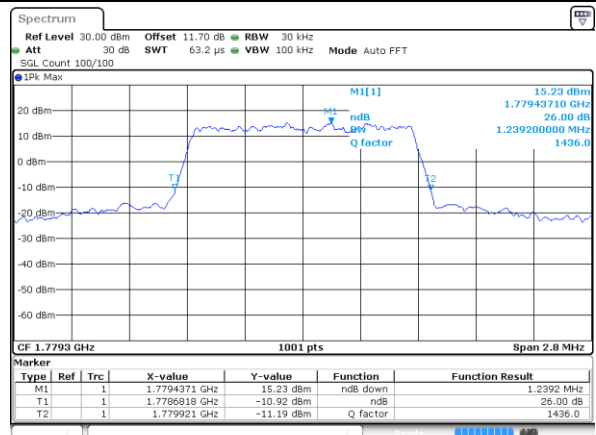
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



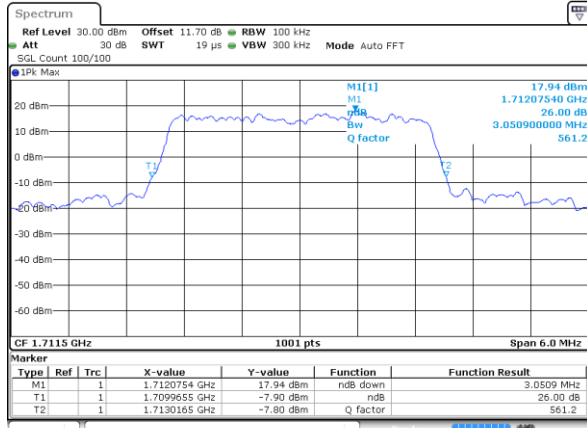
Highest Channel / 1.4MHz / 16QAM





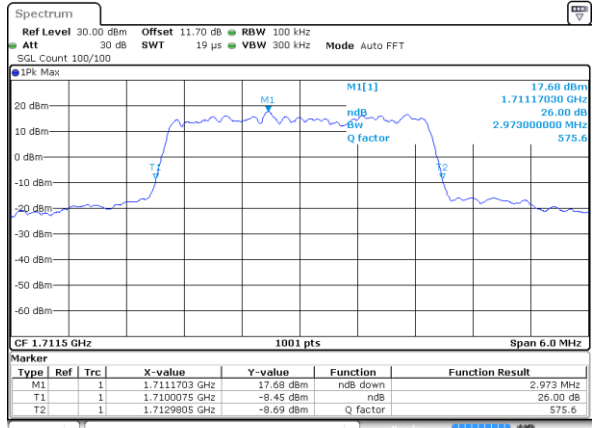
LTE Band 66

Lowest Channel / 3MHz / QPSK



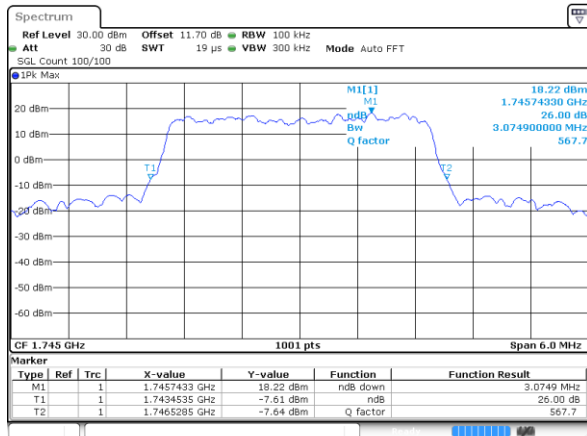
Date: 4 AUG 2017 09:10:33

Lowest Channel / 3MHz / 16QAM



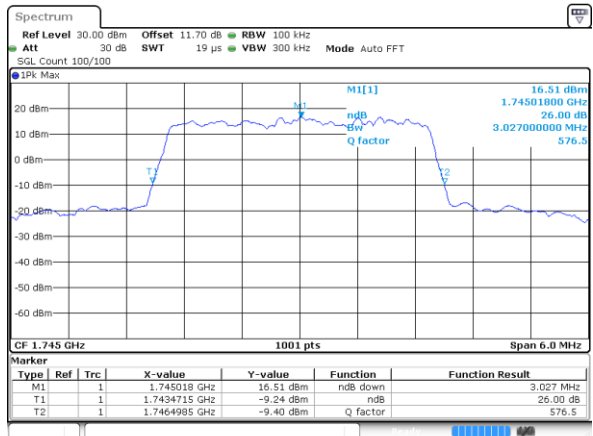
Date: 4 AUG 2017 09:10:43

Middle Channel / 3MHz / QPSK



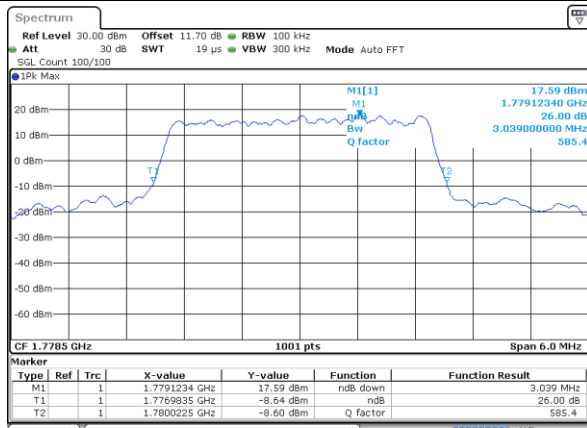
Date: 4 AUG 2017 09:17:37

Middle Channel / 3MHz / 16QAM



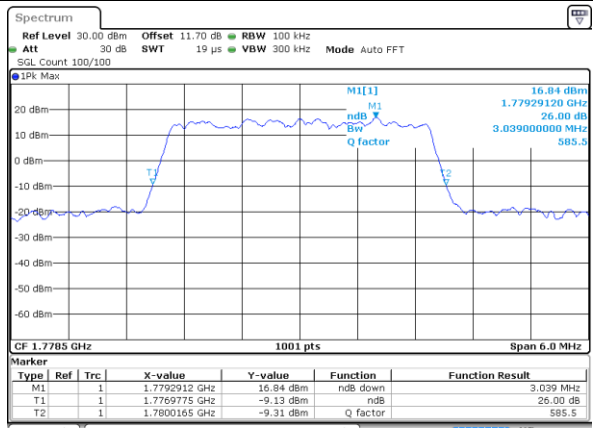
Date: 4 AUG 2017 09:17:47

Highest Channel / 3MHz / QPSK



Date: 4 AUG 2017 09:20:06

Highest Channel / 3MHz / 16QAM

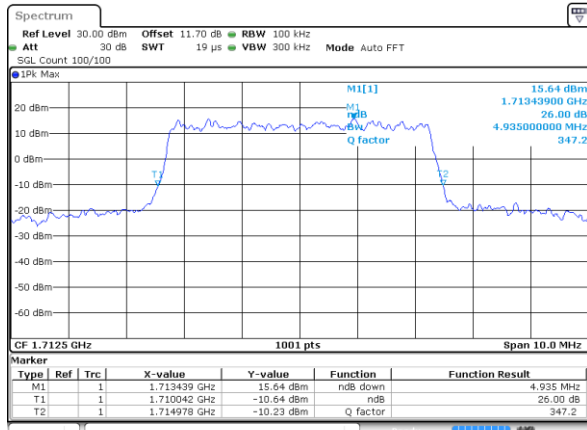


Date: 4 AUG 2017 09:20:16



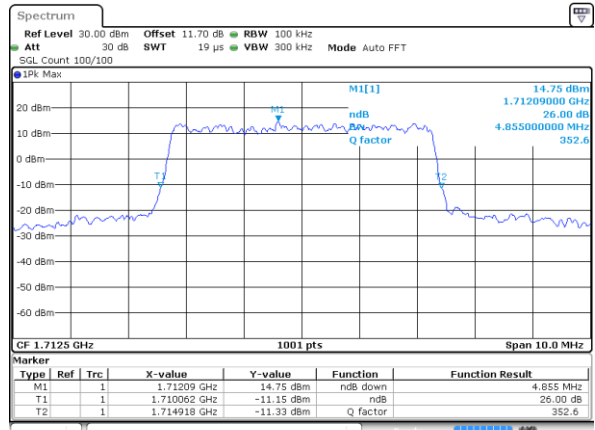
LTE Band 66

Lowest Channel / 5MHz / QPSK



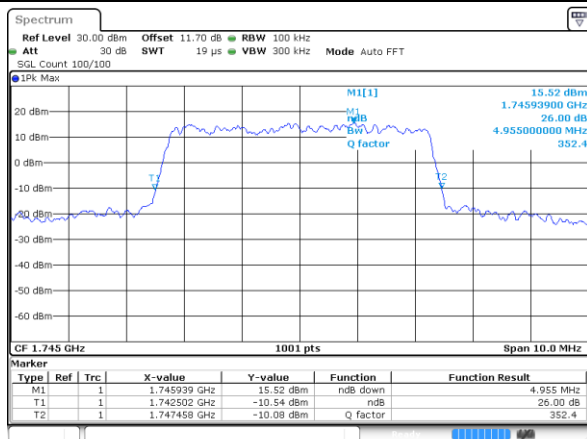
Date: 4 AUG 2017 09:27:10

Lowest Channel / 5MHz / 16QAM



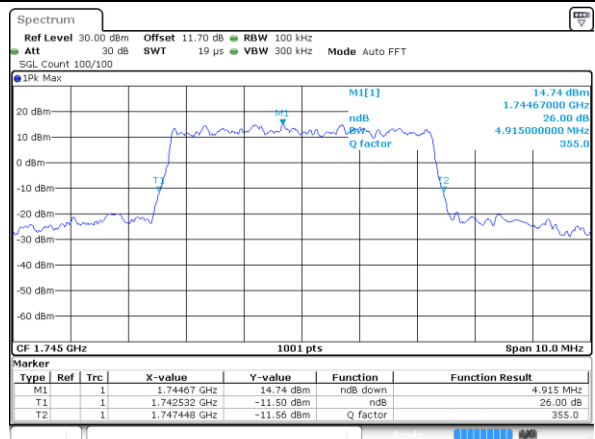
Date: 4 AUG 2017 09:27:20

Middle Channel / 5MHz / QPSK



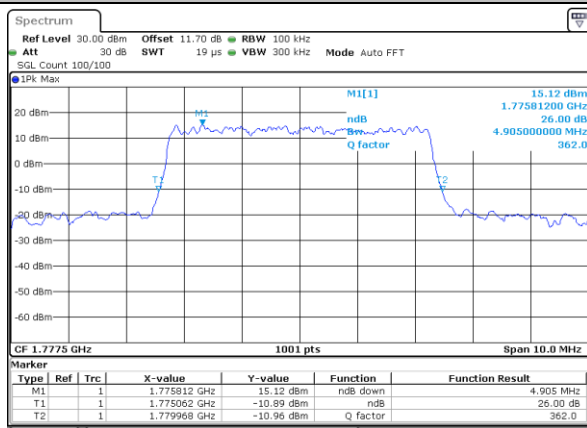
Date: 4 AUG 2017 09:34:14

Middle Channel / 5MHz / 16QAM



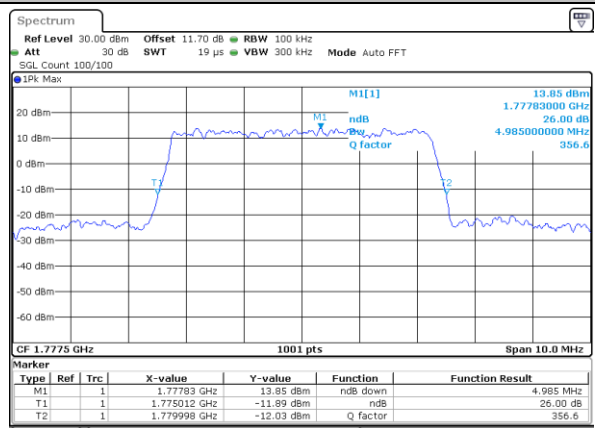
Date: 4 AUG 2017 09:34:24

Highest Channel / 5MHz / QPSK



Date: 4 AUG 2017 09:36:43

Highest Channel / 5MHz / 16QAM

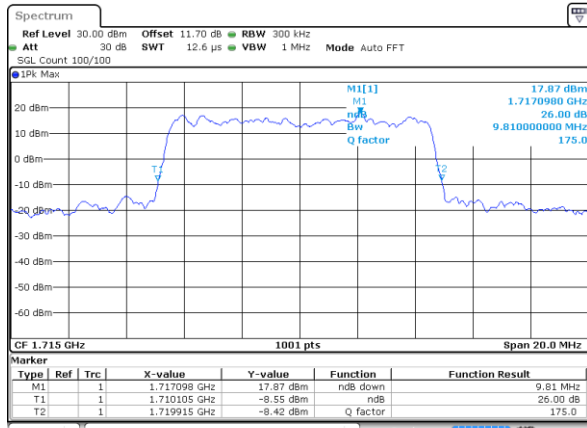


Date: 4 AUG 2017 09:36:53



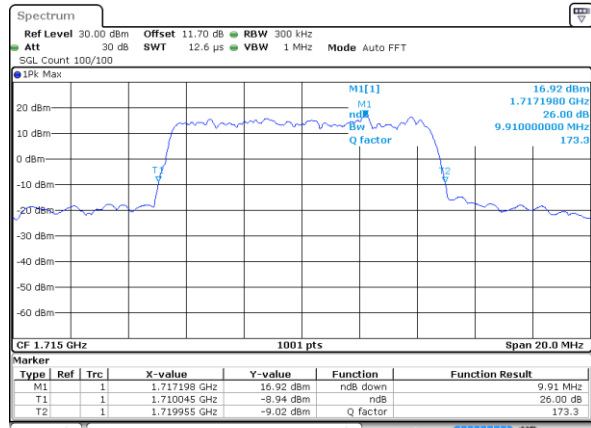
LTE Band 66

Lowest Channel / 10MHz / QPSK



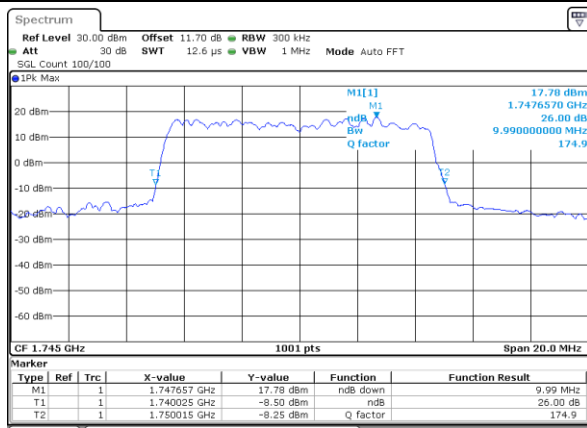
Date: 4 AUG 2017 09:43:47

Lowest Channel / 10MHz / 16QAM



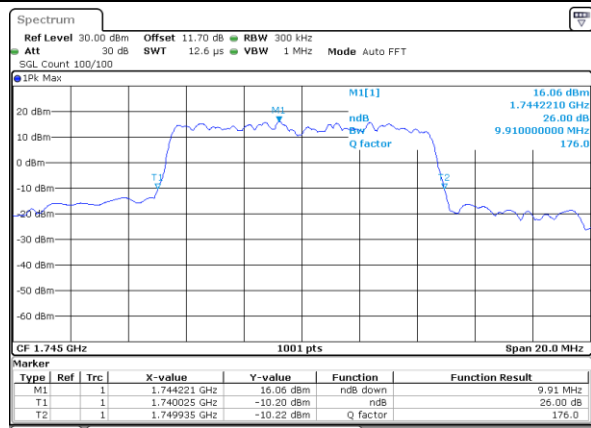
Date: 4 AUG 2017 09:43:57

Middle Channel / 10MHz / QPSK



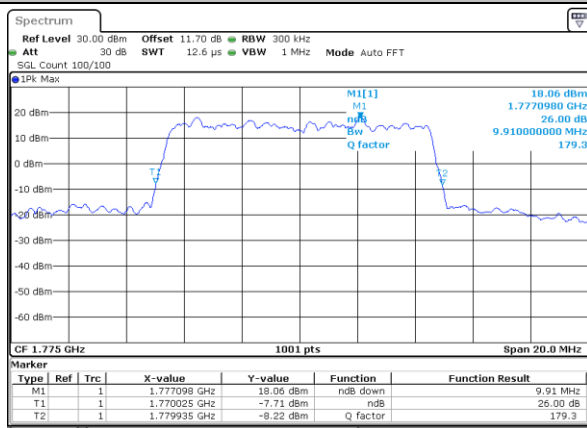
Date: 4 AUG 2017 09:50:51

Middle Channel / 10MHz / 16QAM



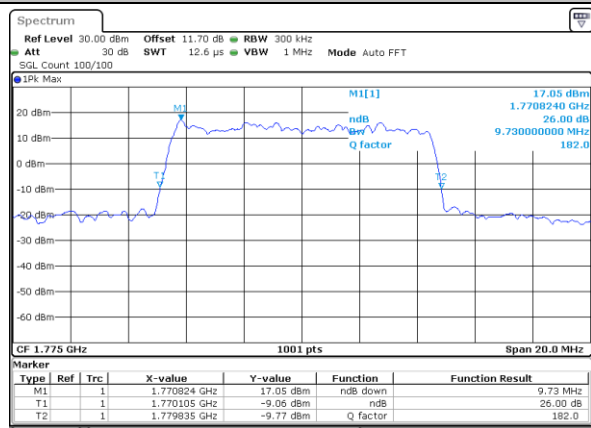
Date: 4 AUG 2017 09:51:01

Highest Channel / 10MHz / QPSK



Date: 4 AUG 2017 09:53:20

Highest Channel / 10MHz / 16QAM

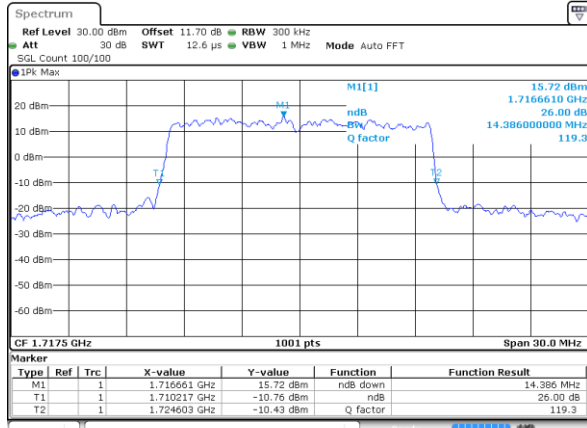


Date: 4 AUG 2017 09:53:30



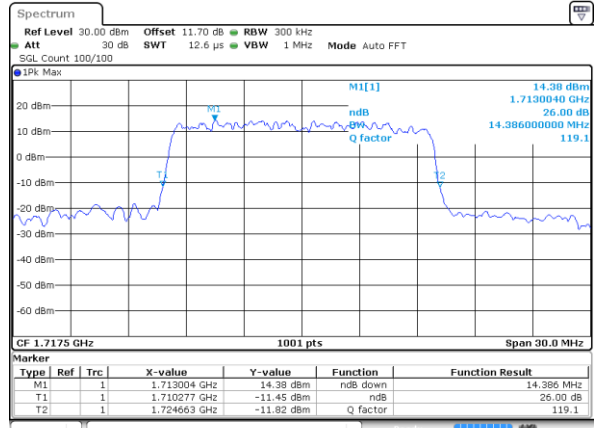
LTE Band 66

Lowest Channel / 15MHz / QPSK



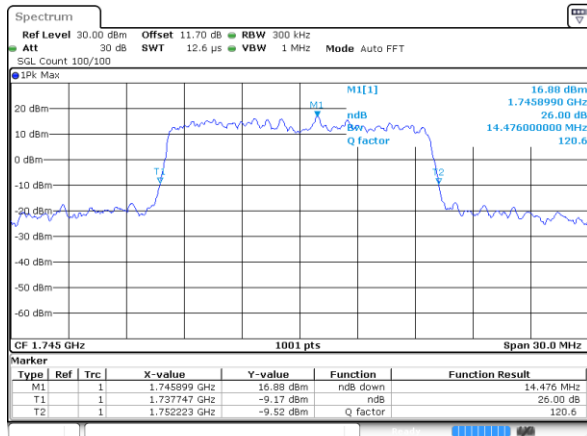
Date: 4 AUG 2017 10:00:24

Lowest Channel / 15MHz / 16QAM



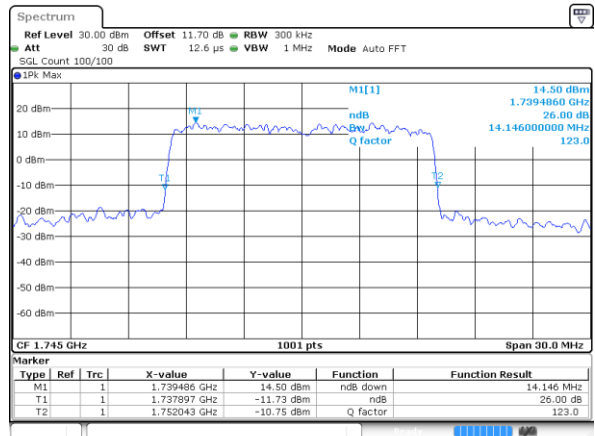
Date: 4 AUG 2017 10:00:34

Middle Channel / 15MHz / QPSK



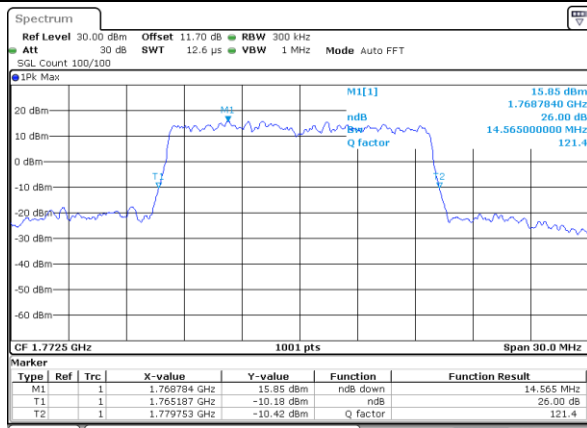
Date: 4 AUG 2017 10:07:28

Middle Channel / 15MHz / 16QAM



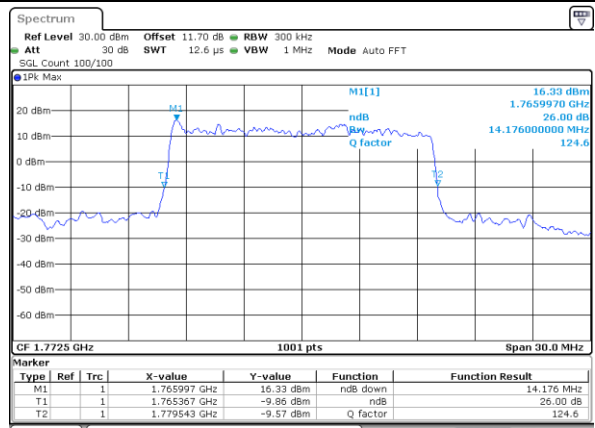
Date: 4 AUG 2017 10:07:38

Highest Channel / 15MHz / QPSK



Date: 4 AUG 2017 10:09:57

Highest Channel / 15MHz / 16QAM

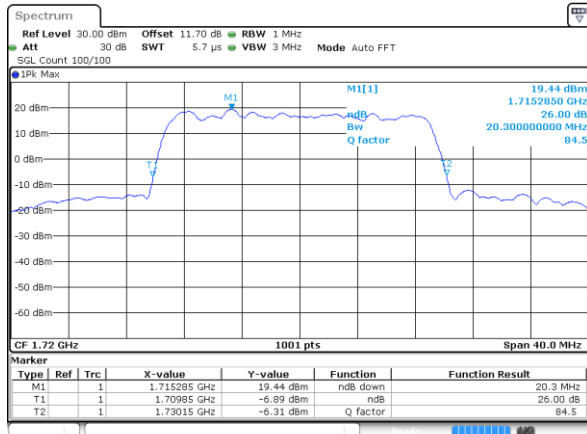


Date: 4 AUG 2017 10:10:07

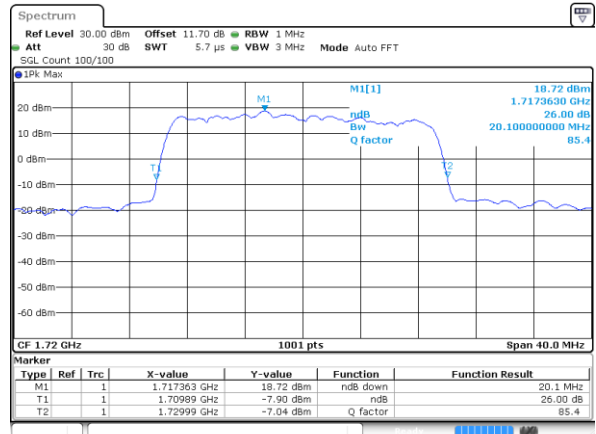


LTE Band 66

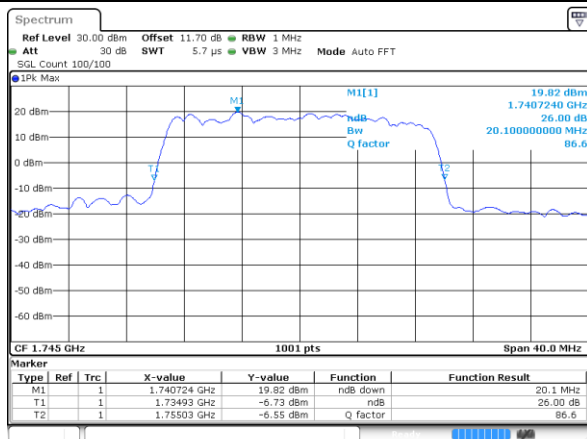
Lowest Channel / 20MHz / QPSK



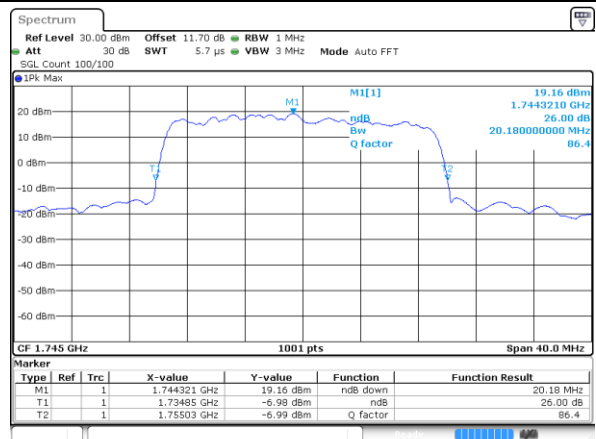
Lowest Channel / 20MHz / 16QAM



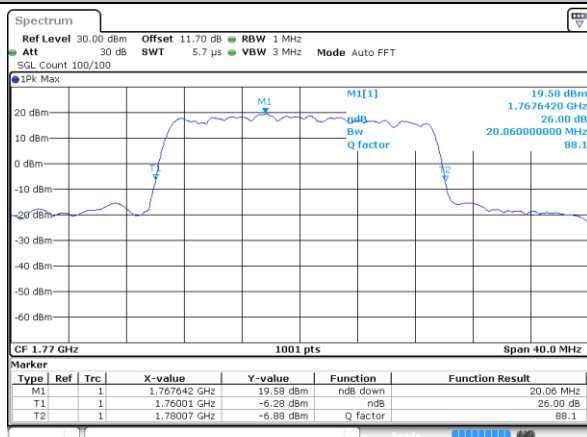
Middle Channel / 20MHz / QPSK



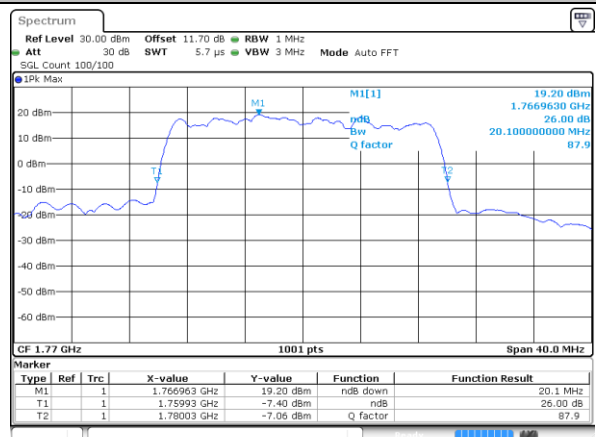
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



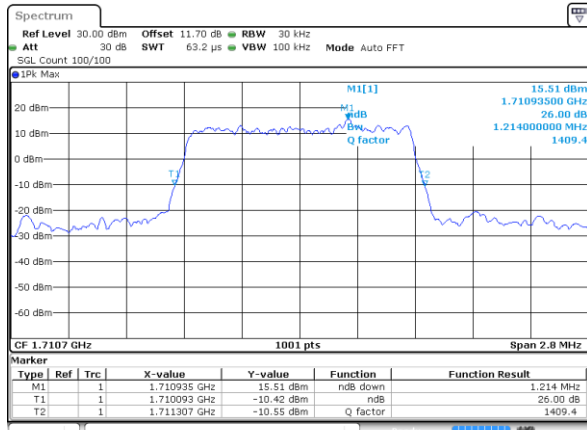
Highest Channel / 20MHz / 16QAM





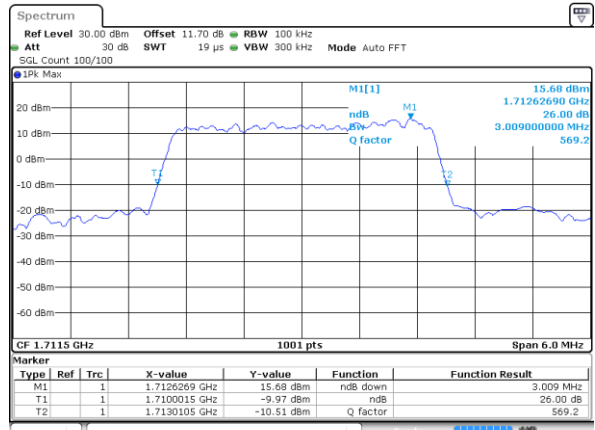
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



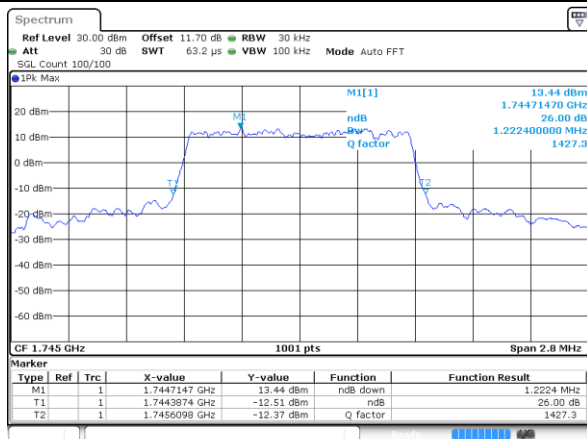
Date: 11.OCT.2017 10:12:24

Lowest Channel / 3MHz / 64QAM



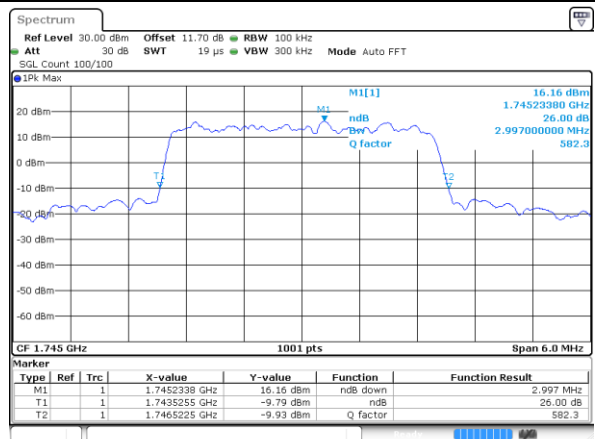
Date: 11.OCT.2017 09:30:50

Middle Channel / 20MHz / 64QAM



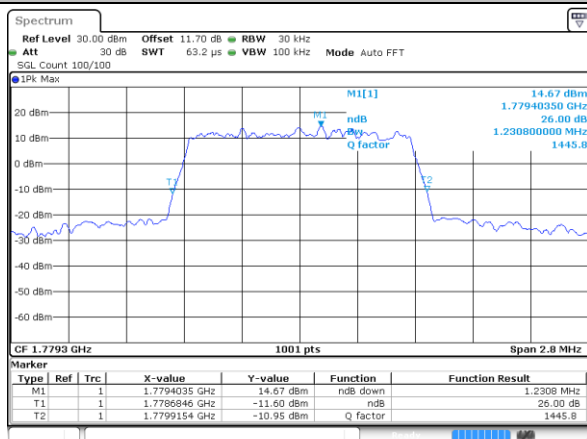
Date: 11.OCT.2017 10:15:56

Middle Channel / 3MHz / 64QAM



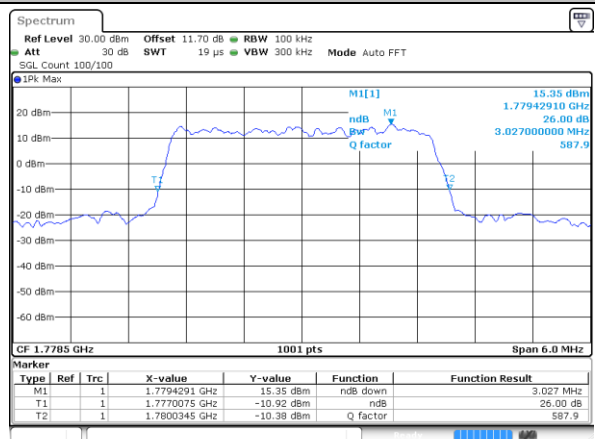
Date: 11.OCT.2017 09:34:23

Highest Channel / 20MHz / 64QAM



Date: 11.OCT.2017 10:17:11

Highest Channel / 3MHz / 64QAM

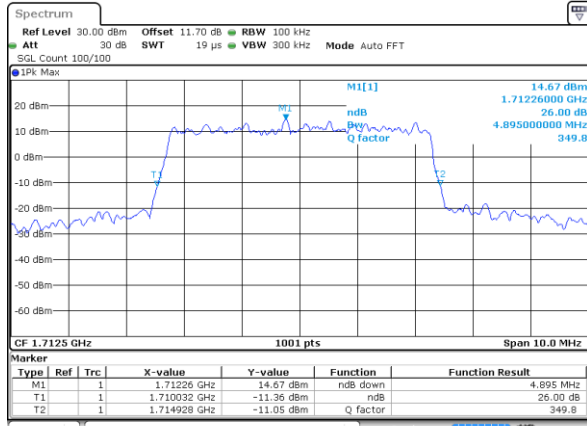


Date: 11.OCT.2017 09:35:37



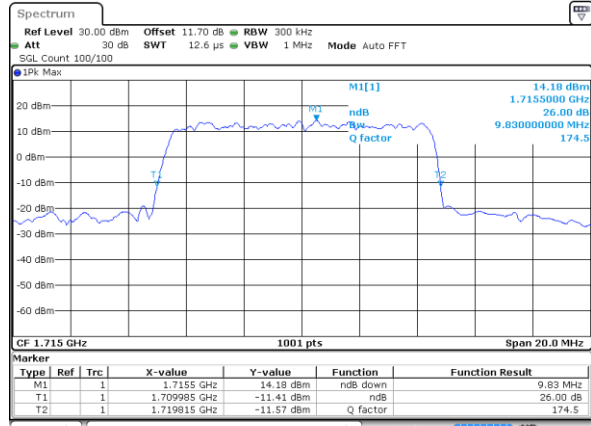
LTE Band 66

Lowest Channel / 5MHz / 64QAM



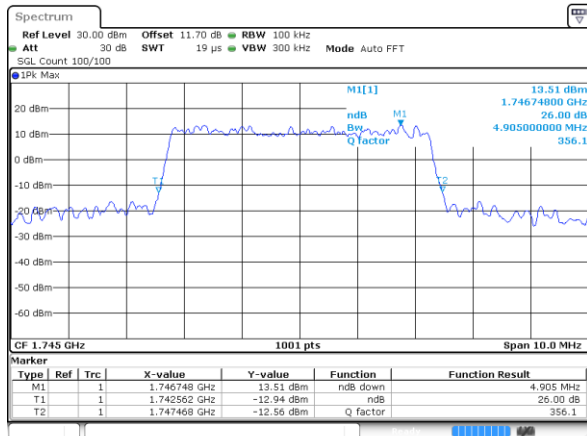
Date: 11.OCT.2017 09:39:09

Lowest Channel / 10MHz / 64QAM



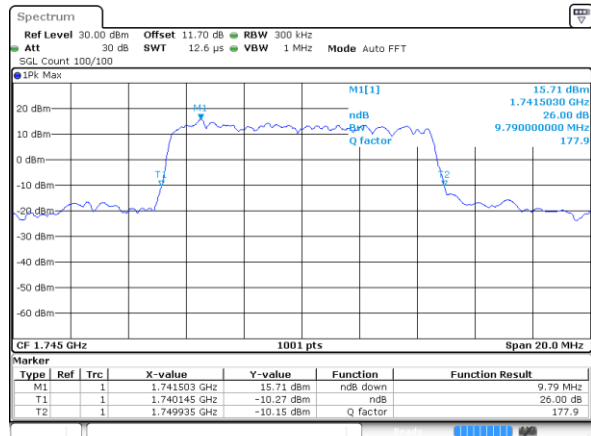
Date: 11.OCT.2017 09:47:28

Middle Channel / 5MHz / 64QAM



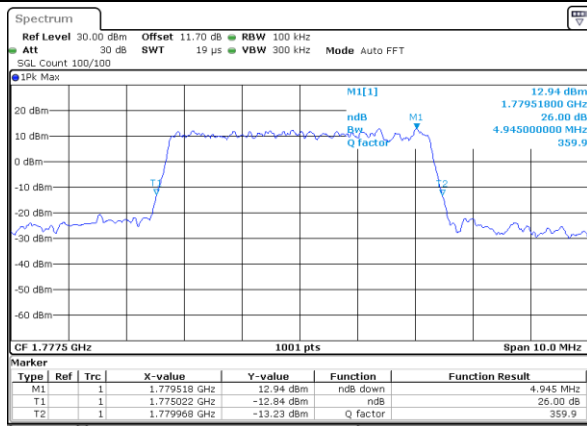
Date: 11.OCT.2017 09:42:41

Middle Channel / 10MHz / 64QAM



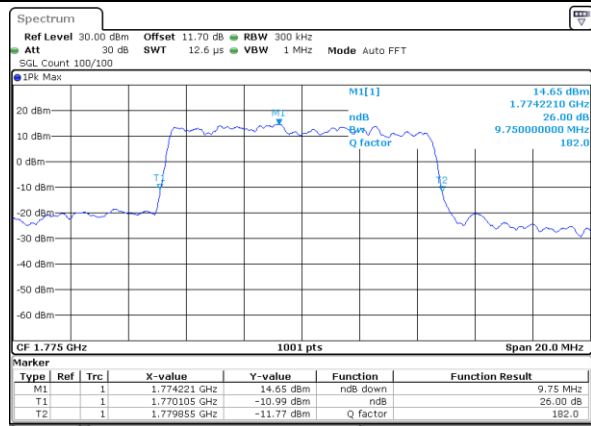
Date: 11.OCT.2017 09:51:00

Highest Channel / 5MHz / 64QAM



Date: 11.OCT.2017 09:43:56

Highest Channel / 10MHz / 64QAM

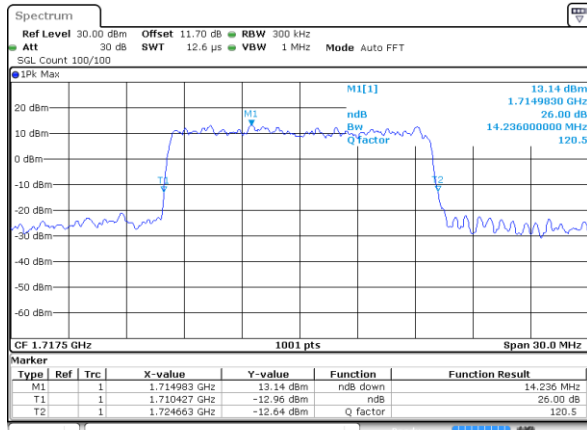


Date: 11.OCT.2017 09:52:15



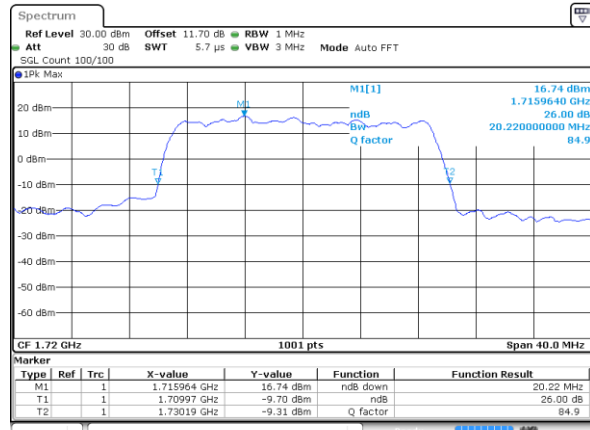
LTE Band 66

Lowest Channel / 15MHz / 64QAM



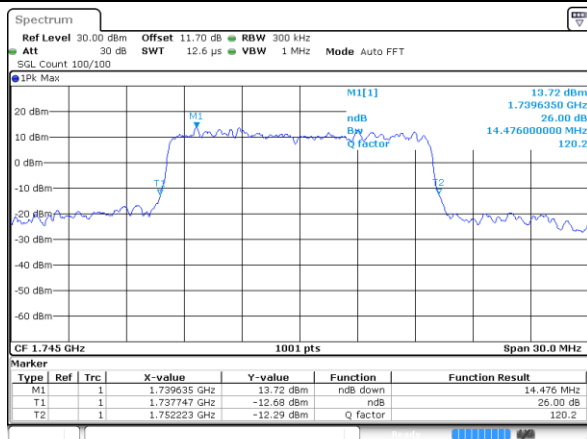
Date: 11.OCT.2017 09:55:47

Lowest Channel / 20MHz / 64QAM



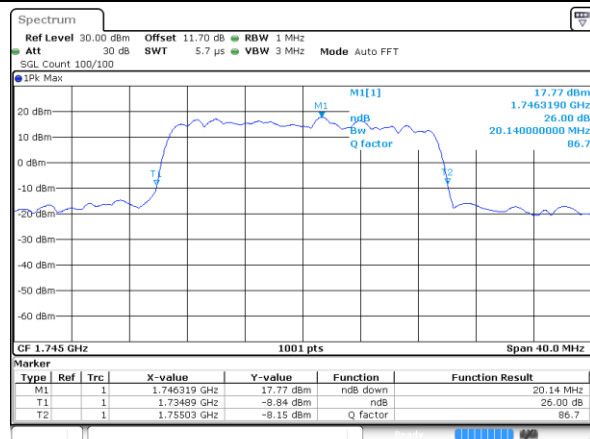
Date: 11.OCT.2017 10:04:06

Middle Channel / 15MHz / 64QAM



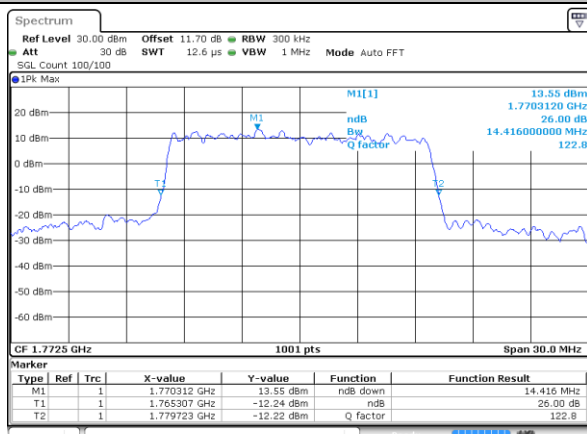
Date: 11.OCT.2017 09:59:19

Middle Channel / 20MHz / 64QAM



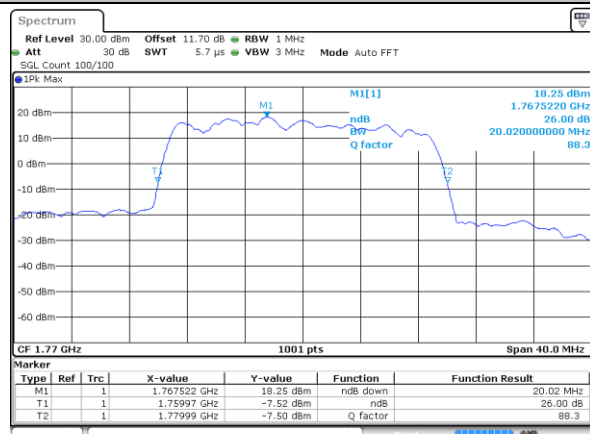
Date: 11.OCT.2017 10:07:38

Highest Channel / 15MHz / 64QAM



Date: 11.OCT.2017 10:00:34

Highest Channel / 20MHz / 64QAM



Date: 11.OCT.2017 10:08:52

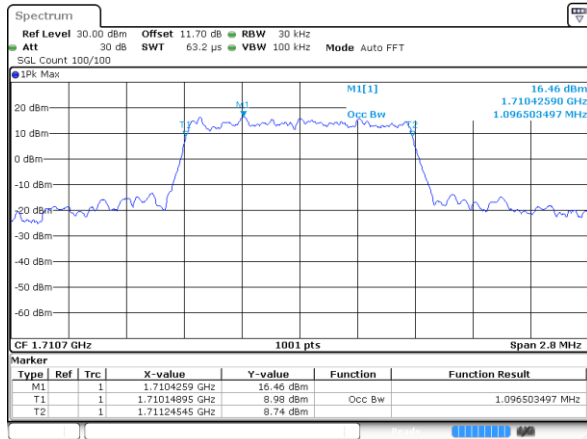
**Occupied Bandwidth**

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	1.09	2.72	2.75	4.49	4.51	9.11	8.99	13.43	13.46	18.34	18.38
Middle CH	1.1	1.09	2.72	2.72	4.48	4.48	9.03	9.03	13.43	13.46	18.22	18.42
Highest CH	1.09	1.09	2.72	2.72	4.49	4.5	9.07	8.99	13.4	13.37	18.18	18.38
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.5	-	9.01	-	13.4	-	18.42	-
Middle CH	1.09	-	2.73	-	4.51	-	9.03	-	13.49	-	18.38	-
Highest CH	1.09	-	2.73	-	4.49	-	9.03	-	13.37	-	18.26	-

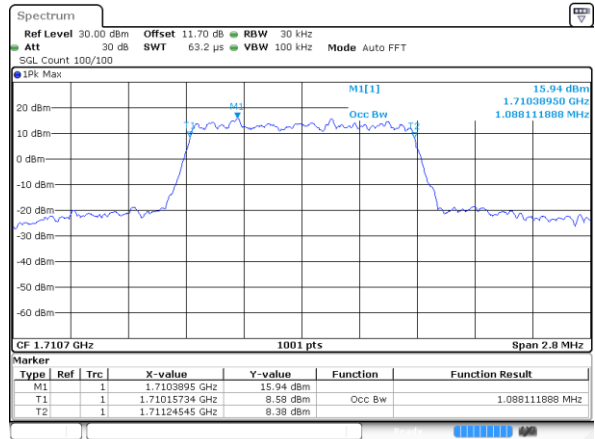


LTE Band 66

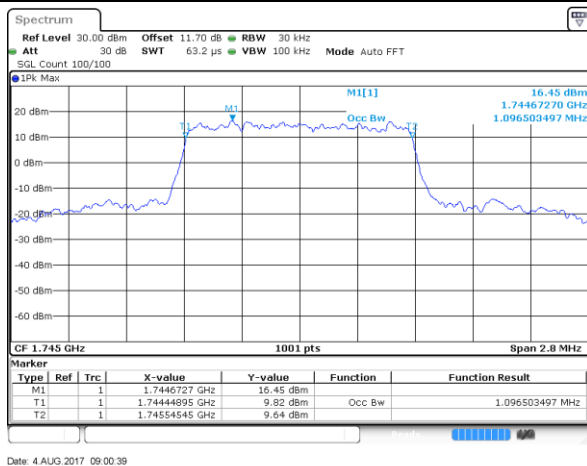
Lowest Channel / 1.4MHz / QPSK



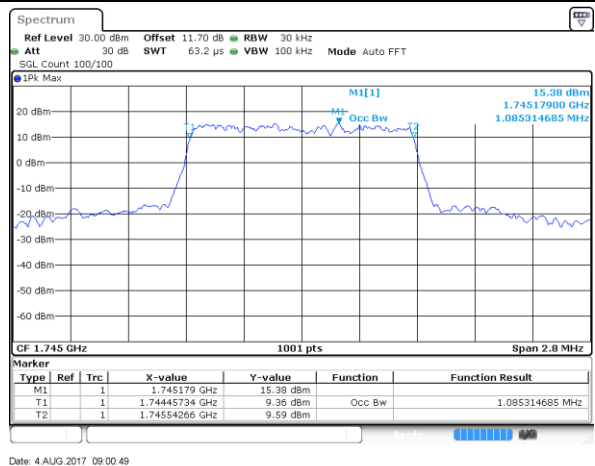
Lowest Channel / 1.4MHz / 16QAM



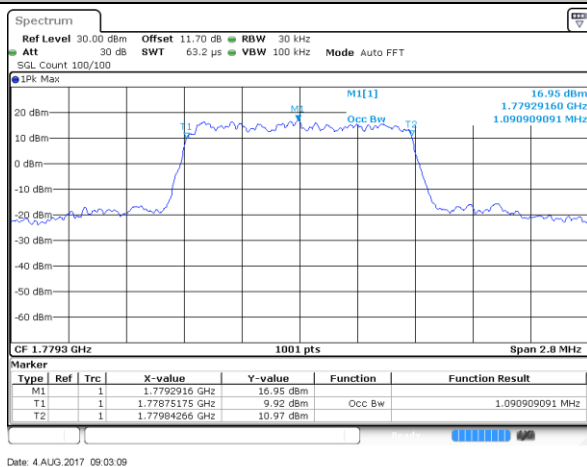
Middle Channel / 1.4MHz / QPSK



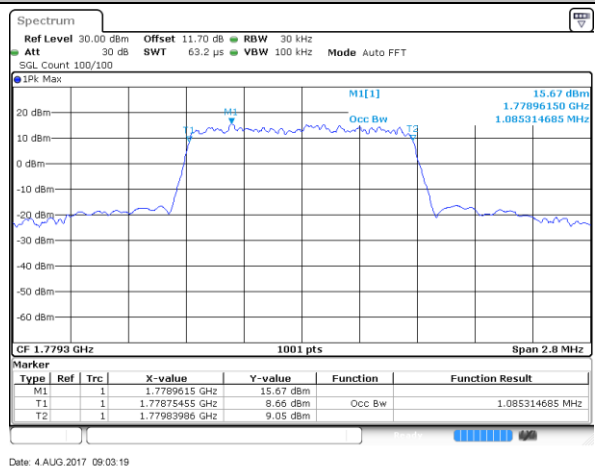
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



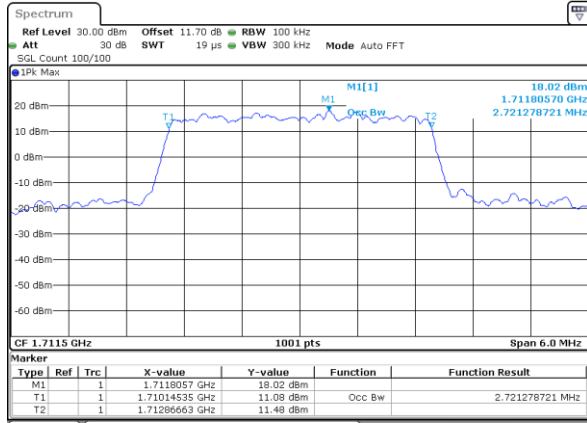
Highest Channel / 1.4MHz / 16QAM





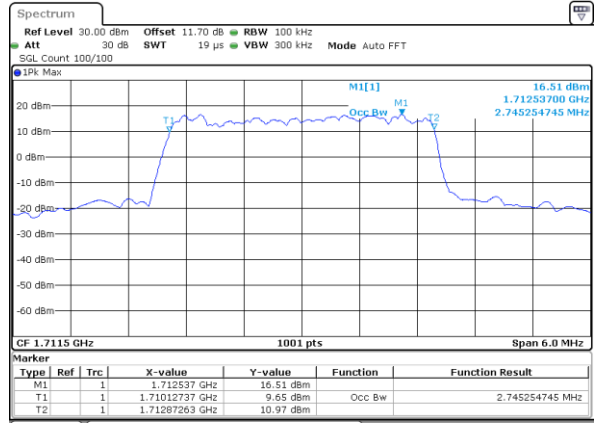
LTE Band 66

Lowest Channel / 3MHz / QPSK



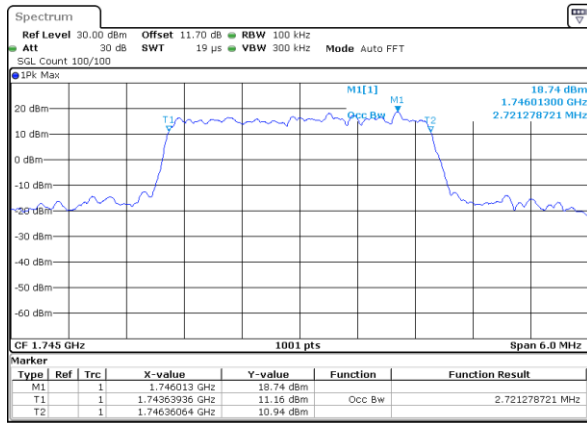
Date: 4 AUG 2017 09:10:13

Lowest Channel / 3MHz / 16QAM



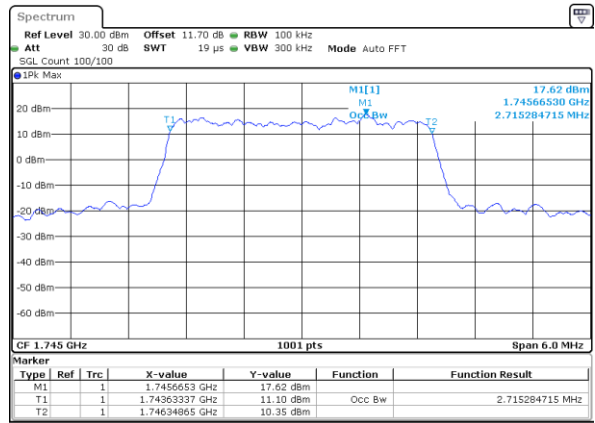
Date: 4 AUG 2017 09:10:23

Middle Channel / 3MHz / QPSK



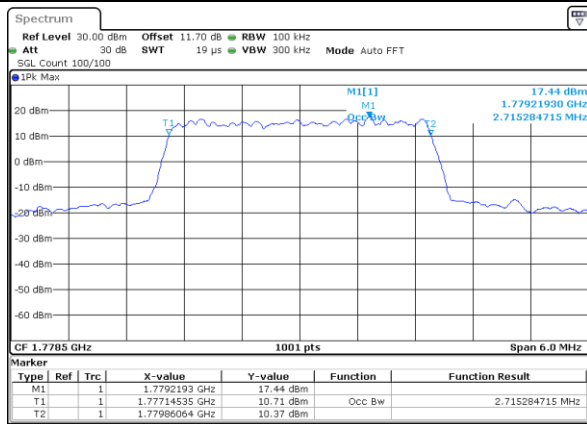
Date: 4 AUG 2017 09:17:17

Middle Channel / 3MHz / 16QAM



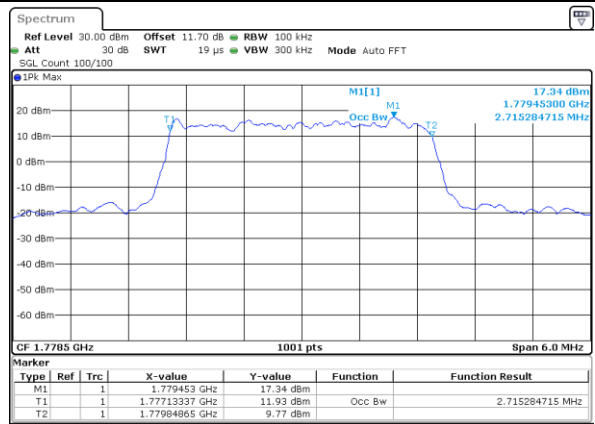
Date: 4 AUG 2017 09:17:27

Highest Channel / 3MHz / QPSK



Date: 4 AUG 2017 09:19:46

Highest Channel / 3MHz / 16QAM

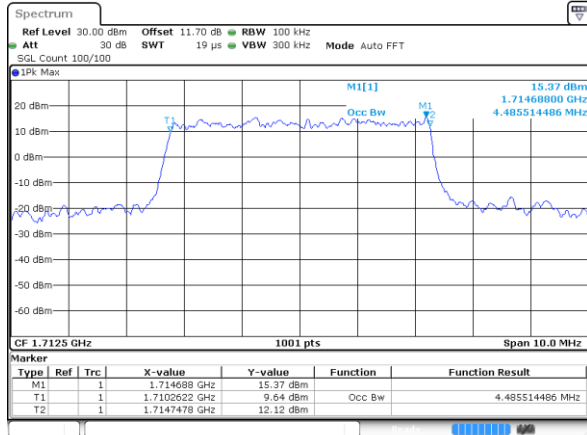


Date: 4 AUG 2017 09:19:56



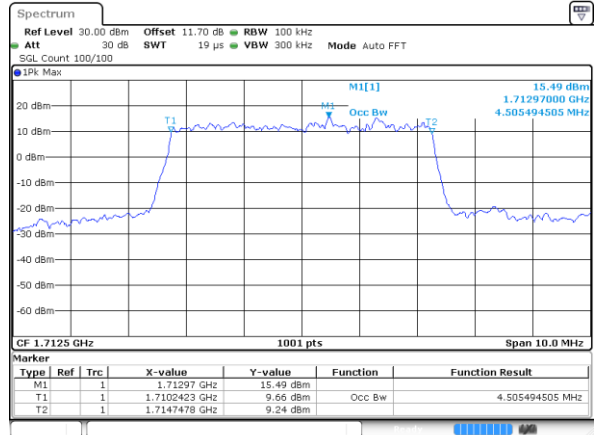
LTE Band 66

Lowest Channel / 5MHz / QPSK



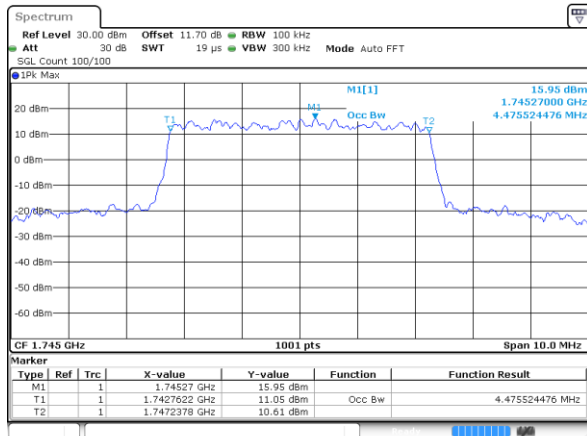
Date: 4 AUG 2017 09:26:50

Lowest Channel / 5MHz / 16QAM



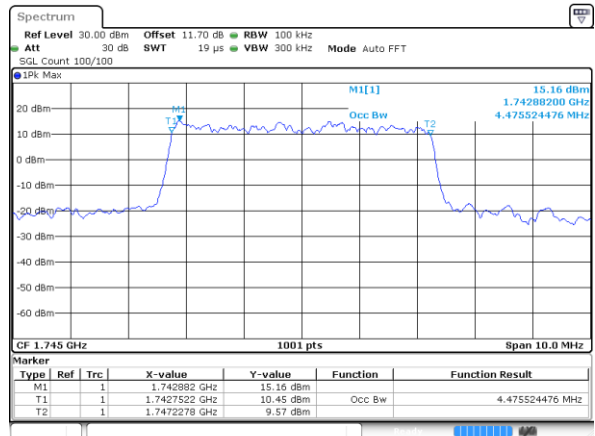
Date: 4 AUG 2017 09:27:00

Middle Channel / 5MHz / QPSK



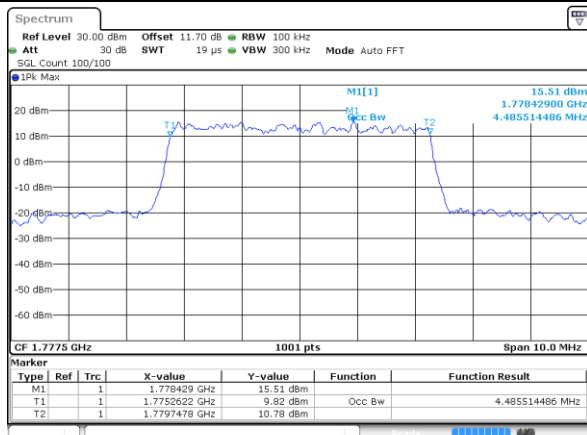
Date: 4 AUG 2017 09:33:54

Middle Channel / 5MHz / 16QAM



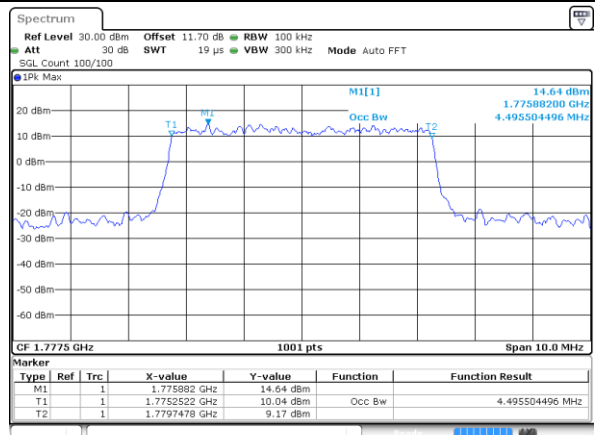
Date: 4 AUG 2017 09:34:04

Highest Channel / 5MHz / QPSK



Date: 4 AUG 2017 09:36:23

Highest Channel / 5MHz / 16QAM

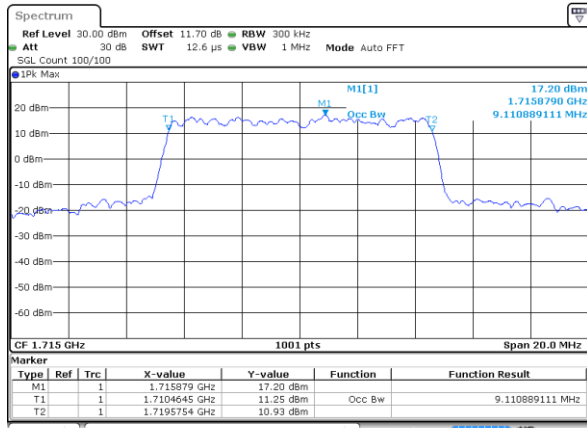


Date: 4 AUG 2017 09:36:33



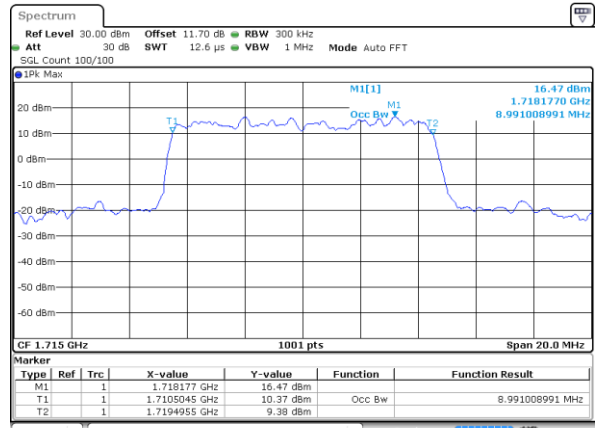
LTE Band 66

Lowest Channel / 10MHz / QPSK



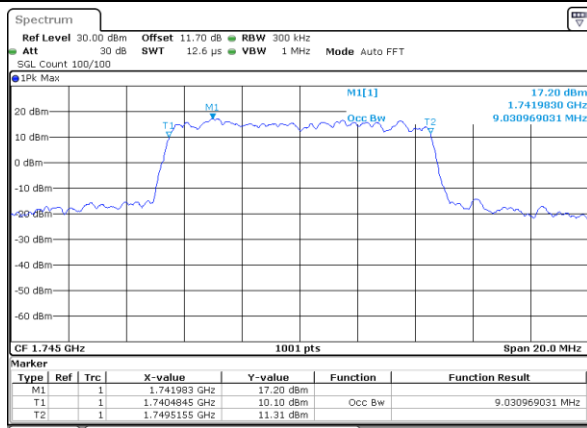
Date: 4 AUG 2017 09:43:27

Lowest Channel / 10MHz / 16QAM



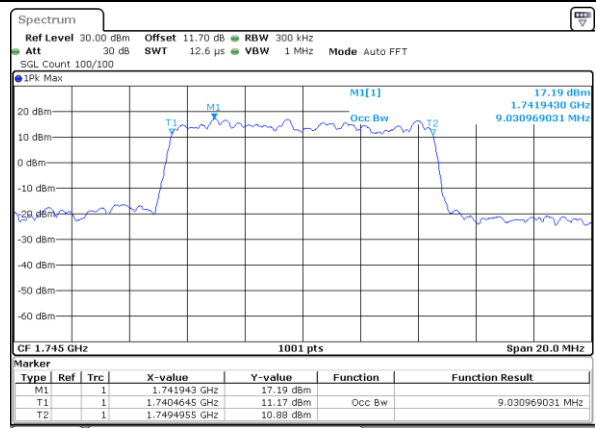
Date: 4 AUG 2017 09:43:37

Middle Channel / 10MHz / QPSK



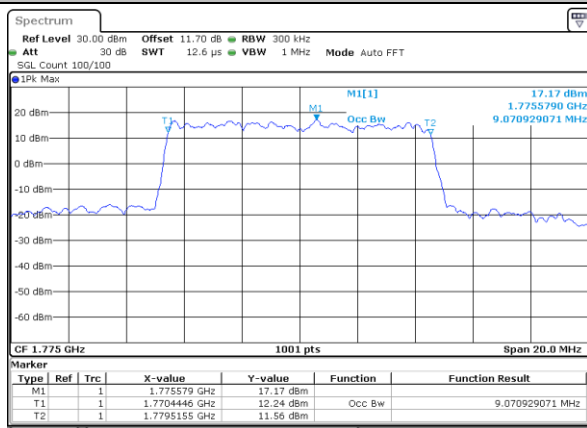
Date: 4 AUG 2017 09:50:31

Middle Channel / 10MHz / 16QAM



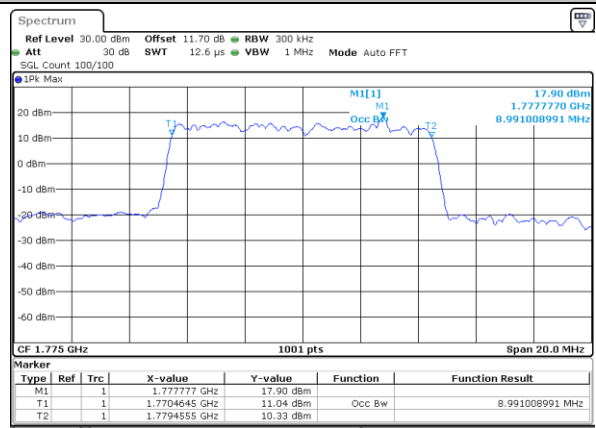
Date: 4 AUG 2017 09:50:41

Highest Channel / 10MHz / QPSK



Date: 4 AUG 2017 09:53:00

Highest Channel / 10MHz / 16QAM

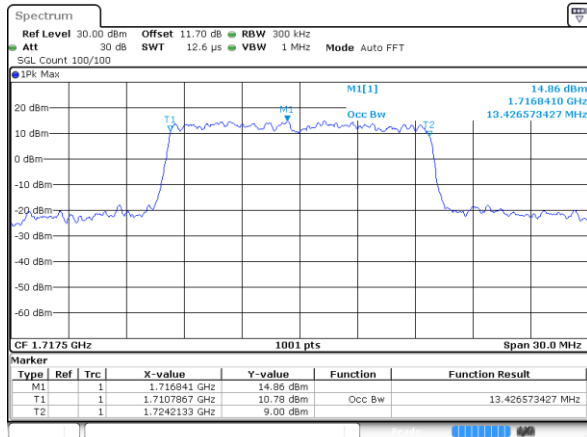


Date: 4 AUG 2017 09:53:10

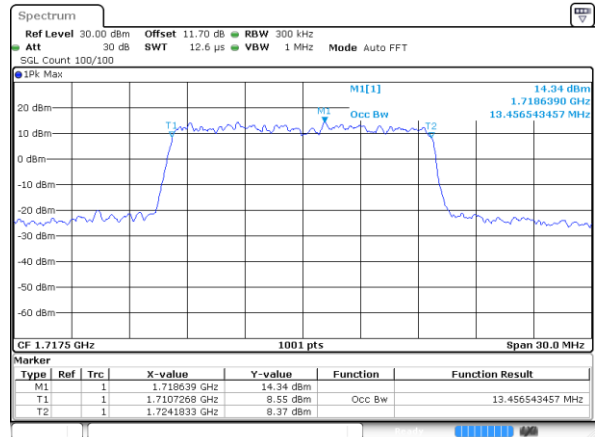


LTE Band 66

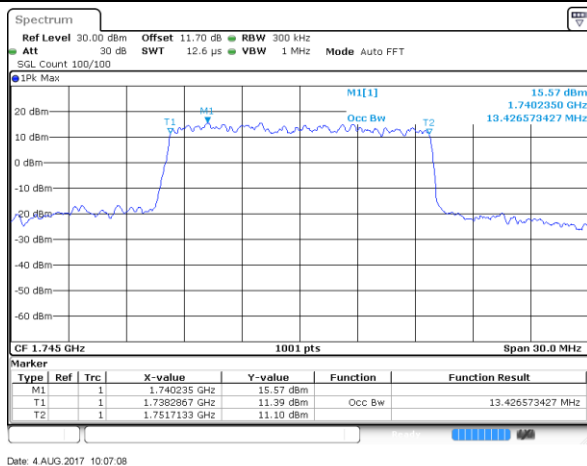
Lowest Channel / 15MHz / QPSK



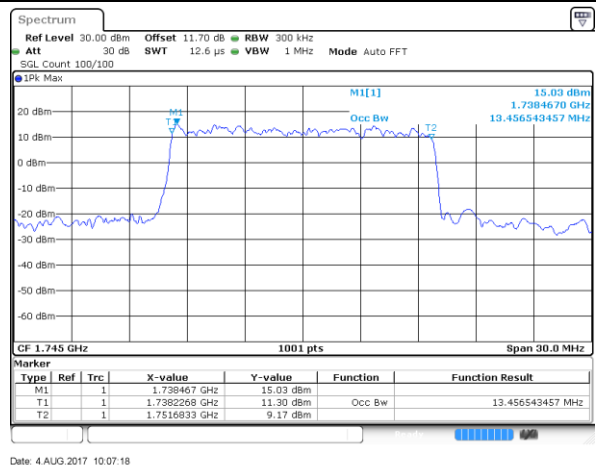
Lowest Channel / 15MHz / 16QAM



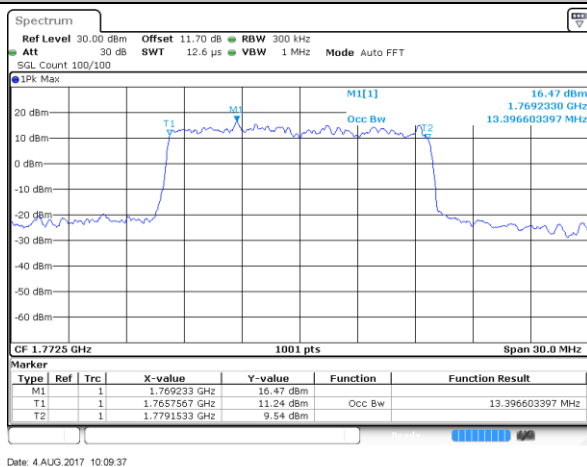
Middle Channel / 15MHz / QPSK



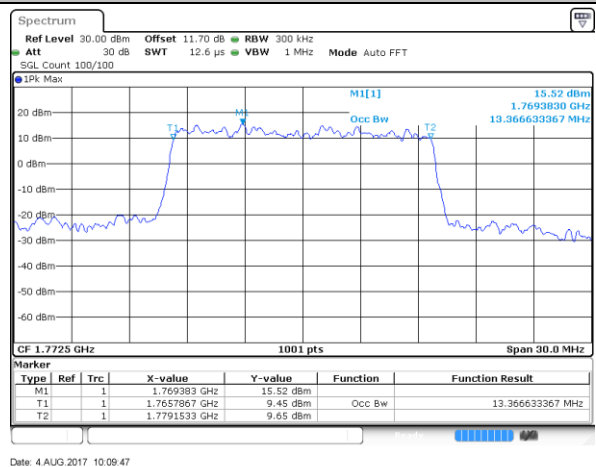
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



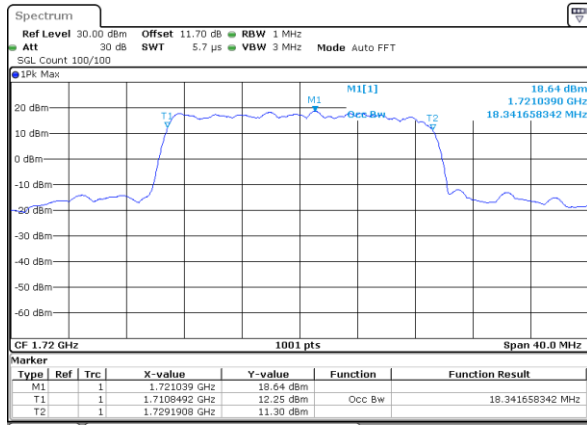
Highest Channel / 15MHz / 16QAM





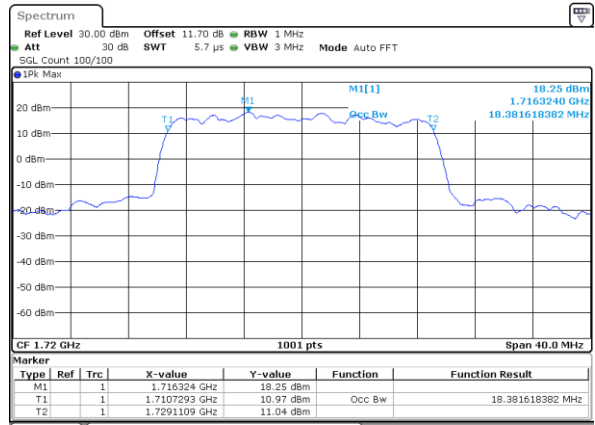
LTE Band 66

Lowest Channel / 20MHz / QPSK



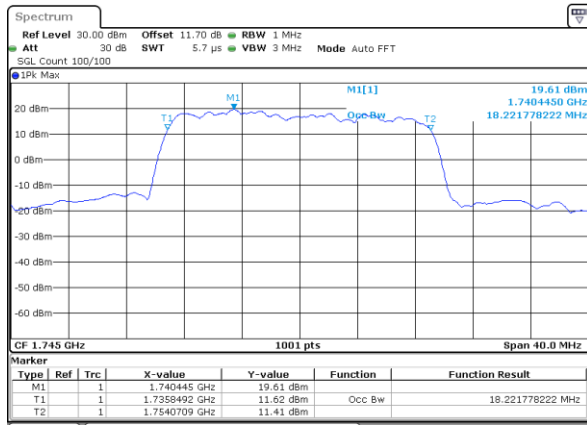
Date: 4 AUG 2017 10:16:41

Lowest Channel / 20MHz / 16QAM



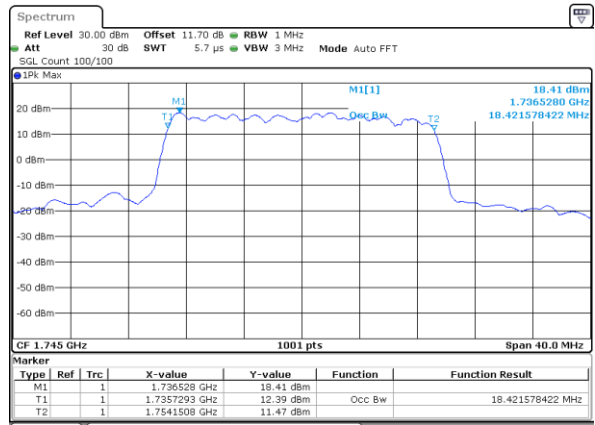
Date: 4 AUG 2017 10:16:51

Middle Channel / 20MHz / QPSK



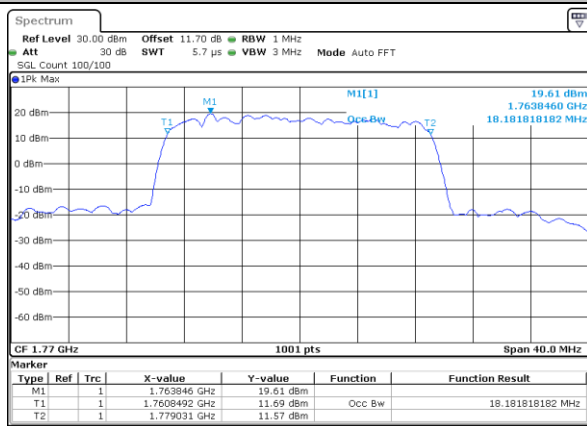
Date: 4 AUG 2017 10:23:45

Middle Channel / 20MHz / 16QAM



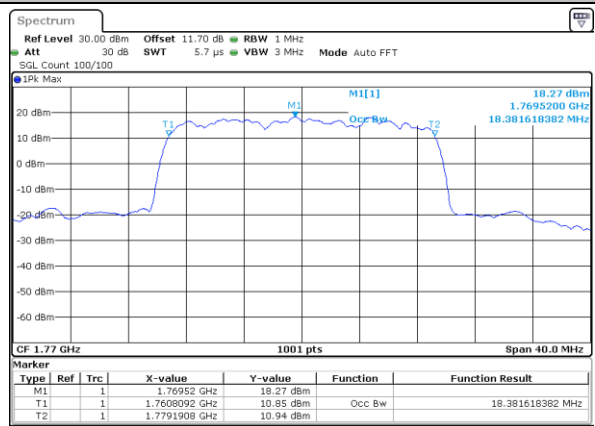
Date: 4 AUG 2017 10:23:55

Highest Channel / 20MHz / QPSK



Date: 4 AUG 2017 10:26:14

Highest Channel / 20MHz / 16QAM

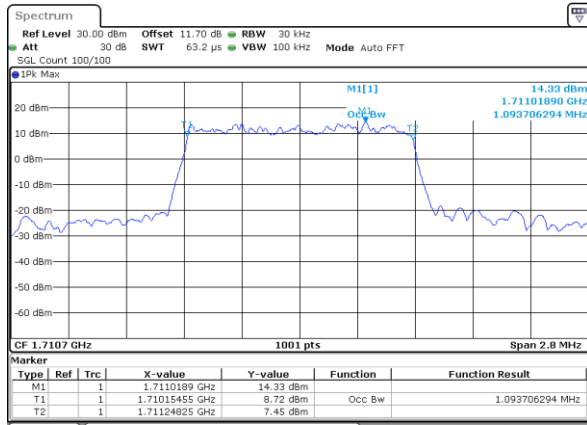


Date: 4 AUG 2017 10:26:24



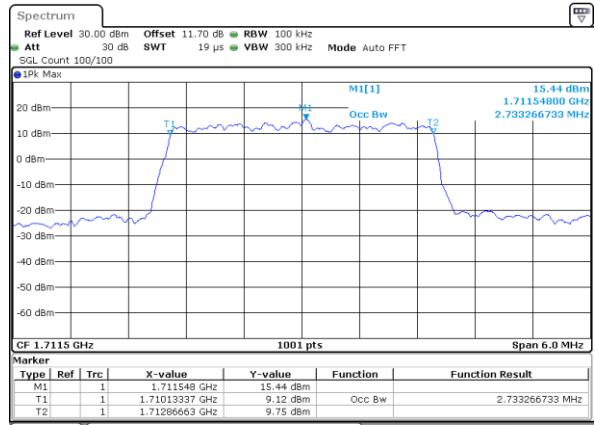
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



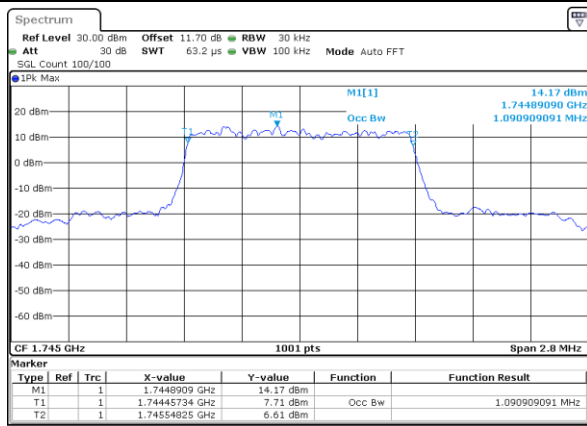
Date: 11.OCT.2017 10:12:14

Lowest Channel / 3MHz / 64QAM



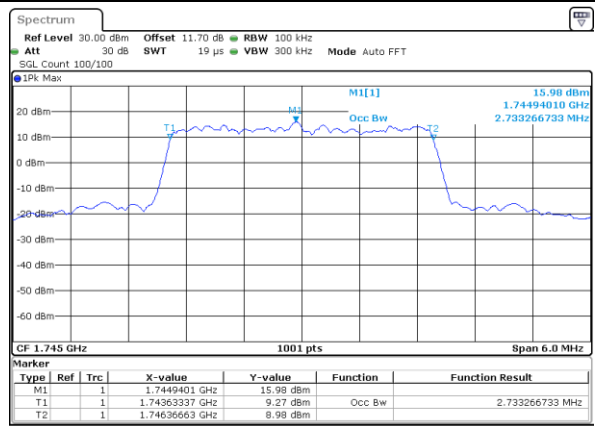
Date: 11.OCT.2017 09:30:40

Middle Channel / 20MHz / 64QAM



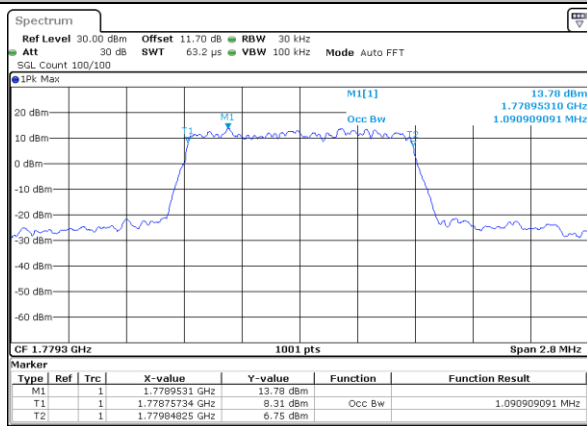
Date: 11.OCT.2017 10:15:46

Middle Channel / 3MHz / 64QAM



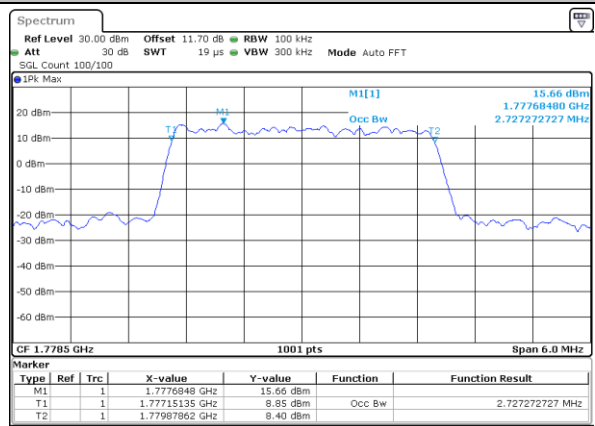
Date: 11.OCT.2017 09:34:13

Highest Channel / 20MHz / 64QAM



Date: 11.OCT.2017 10:17:01

Highest Channel / 3MHz / 64QAM



Date: 11.OCT.2017 09:35:27