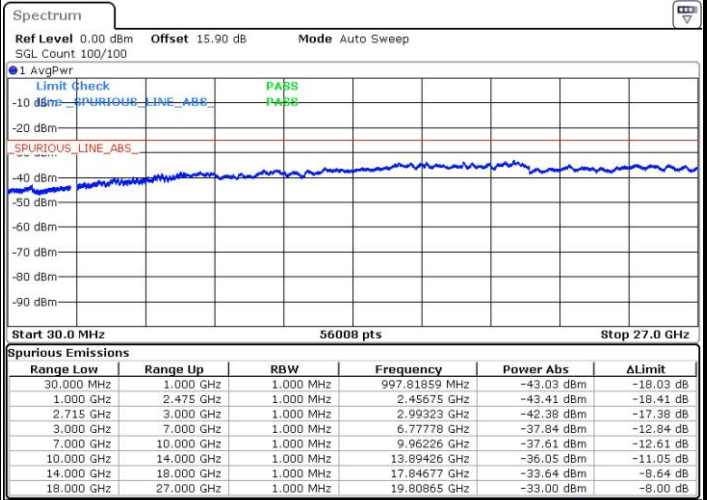
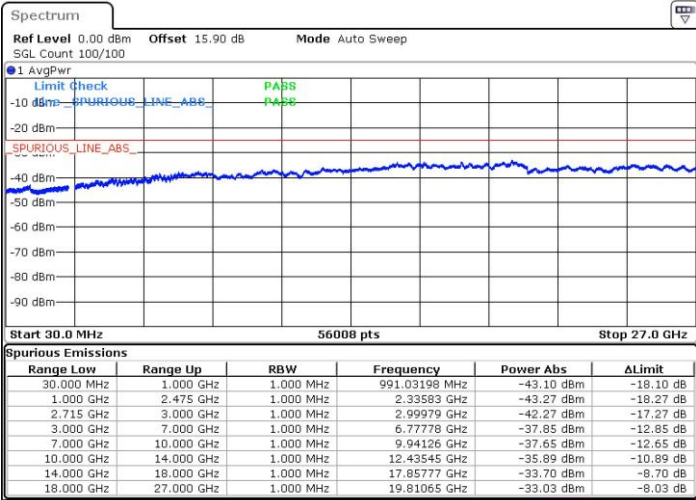




LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

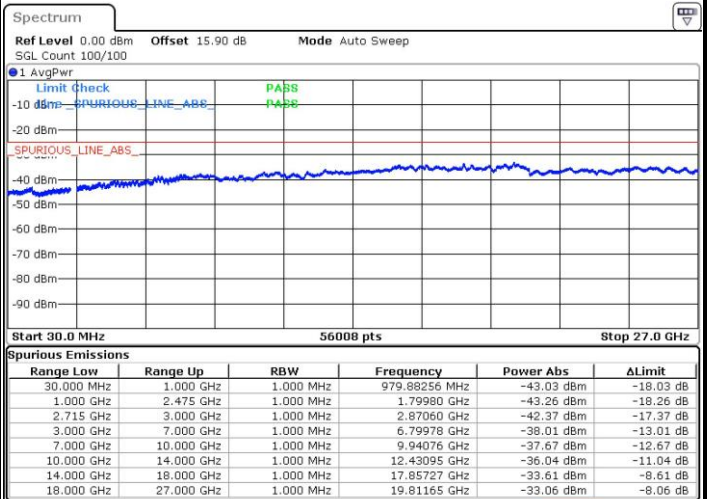
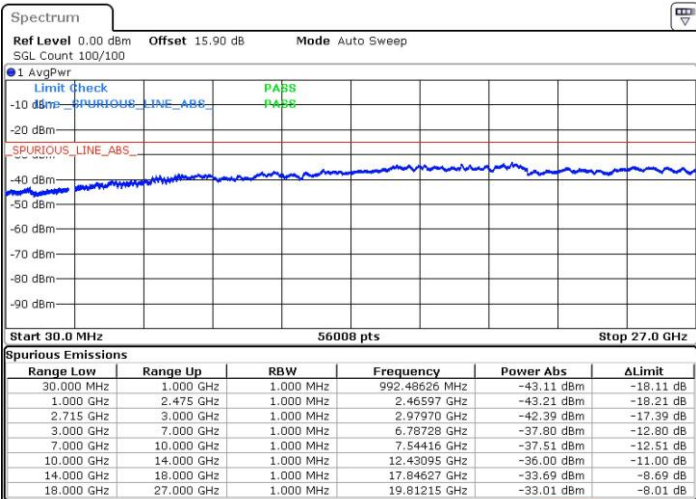


Date: 15.AUG.2018 19:53:07

Date: 15.AUG.2018 19:54:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.AUG.2018 19:55:09

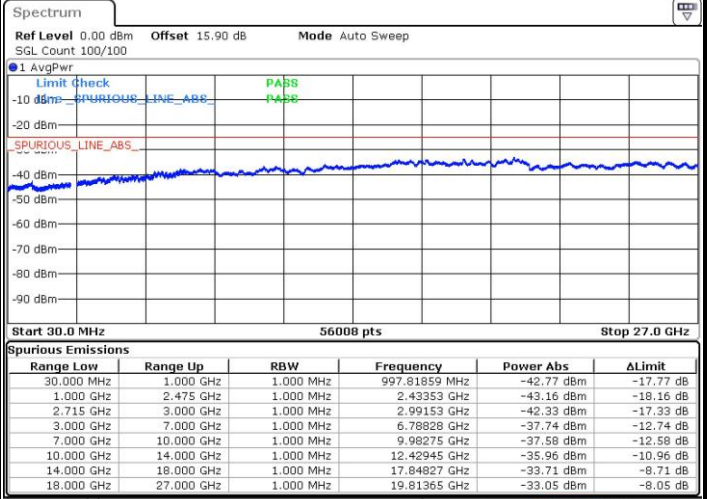
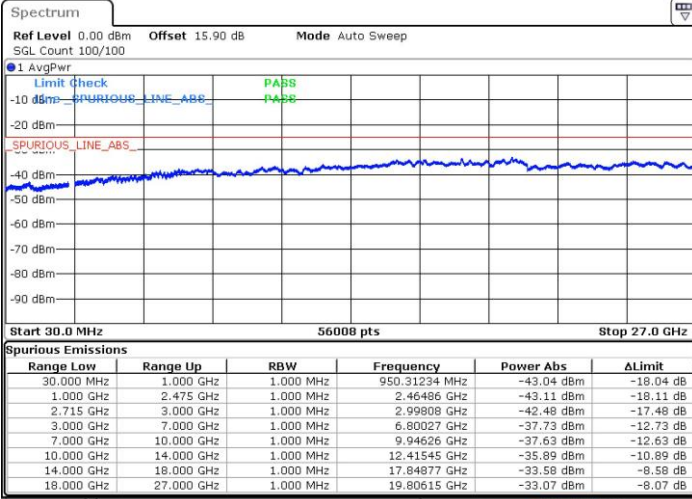
Date: 15.AUG.2018 19:56:09



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

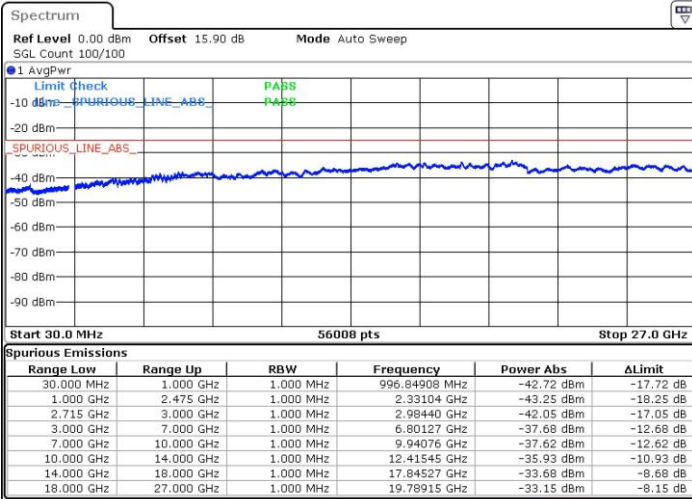
Middle Channel / 64QAM



Date: 15.AUG.2018 19:20:50

Date: 15.AUG.2018 19:21:51

Highest Channel / 64QAM



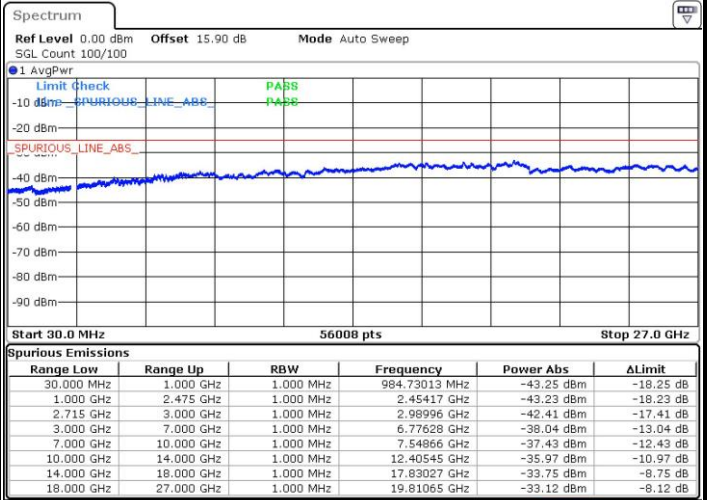
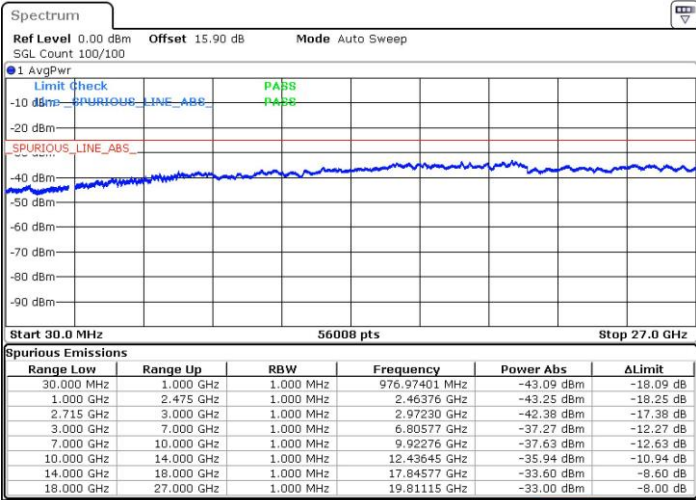
Date: 15.AUG.2018 19:22:51



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

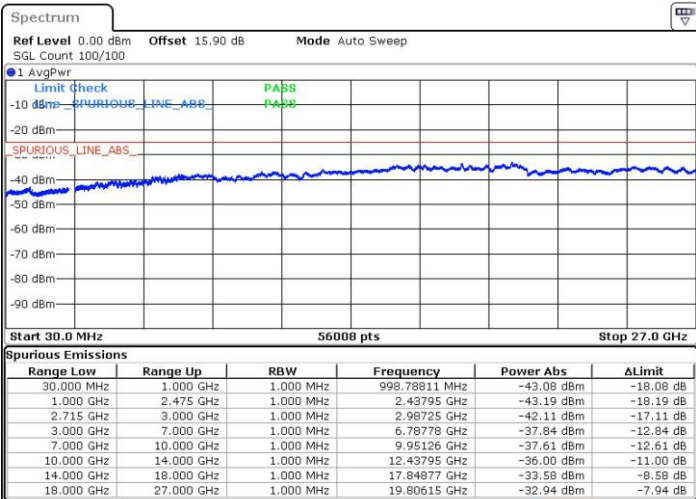
Middle Channel / 64QAM



Date: 15.AUG.2018 19:23:52

Date: 15.AUG.2018 19:24:52

Highest Channel / 64QAM



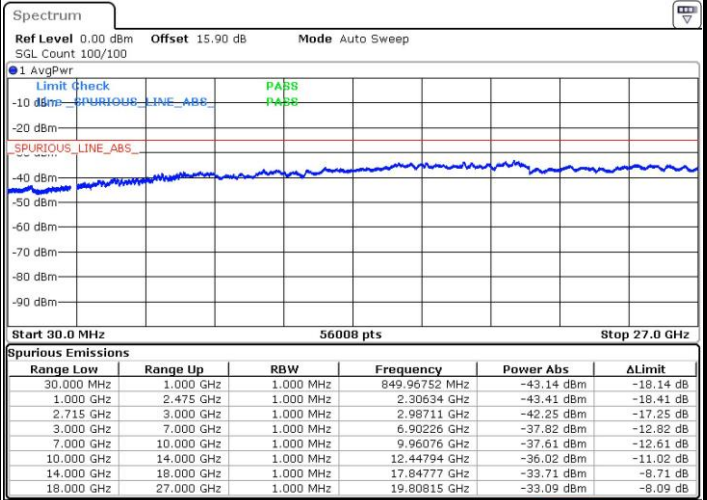
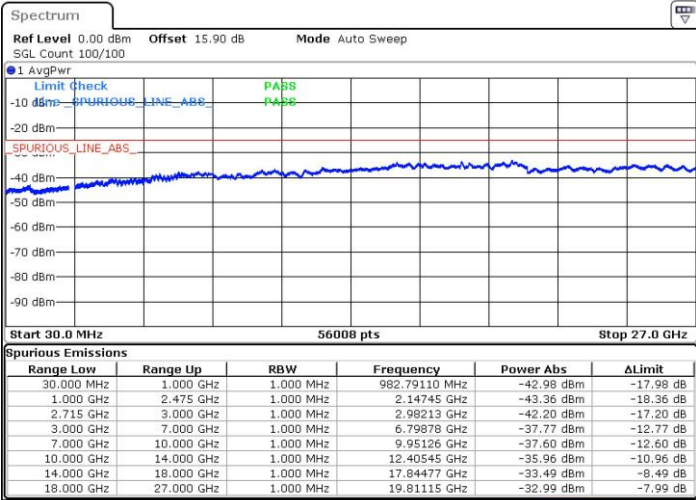
Date: 15.AUG.2018 19:25:53



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

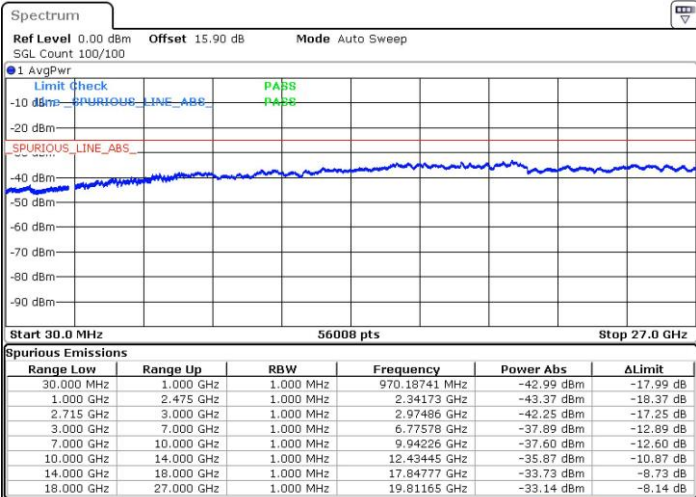
Middle Channel / 64QAM



Date: 15.AUG.2018 19:26:54

Date: 15.AUG.2018 19:27:54

Highest Channel / 64QAM



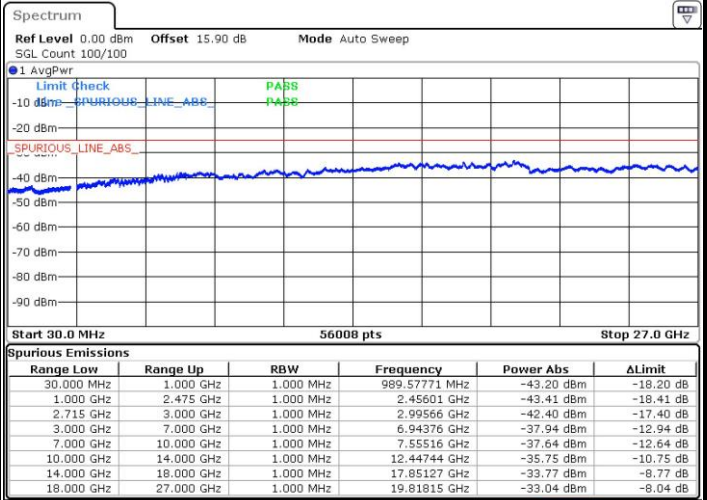
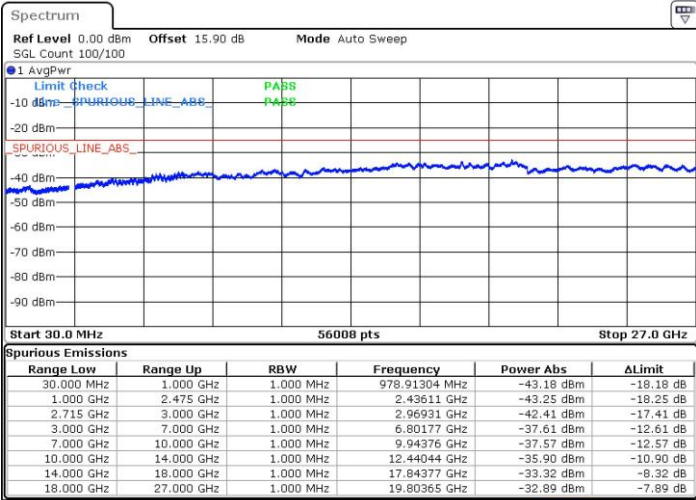
Date: 15.AUG.2018 19:28:54



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

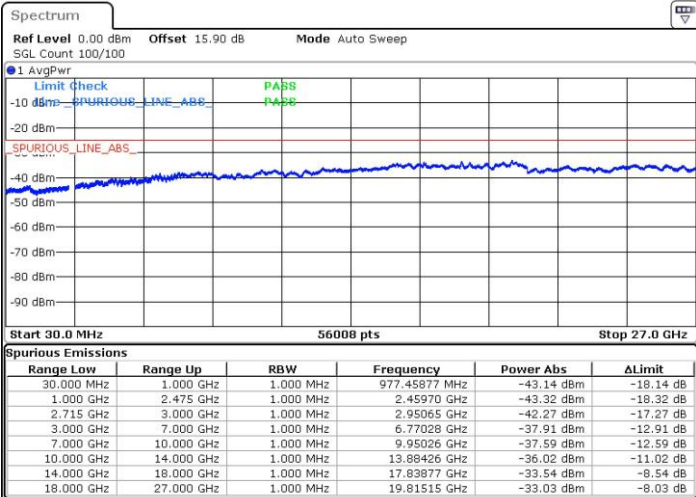
Middle Channel / 64QAM



Date: 15.AUG.2018 19:29:55

Date: 15.AUG.2018 19:30:55

Highest Channel / 64QAM



Date: 15.AUG.2018 19:31:56



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	0.0006	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0077	
0	Normal Voltage	0.0081	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0080	
20	Maximum Voltage	0.0081	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0077	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. 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	3.45	4.58	4.96	5.88	PASS
Middle CH	3.71	4.55	5.22	5.86	
Highest CH	3.48	4.35	5.3	5.68	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.12	6.49	-	-	PASS
Middle CH	6.26	6.43	-	-	
Highest CH	5.88	6.38	-	-	



LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 21 AUG 2018 22:56:19

Lowest Channel / Full RB



Date: 21 AUG 2018 22:56:29

Middle Channel / 1RB



Date: 21 AUG 2018 22:56:39

Middle Channel / Full RB



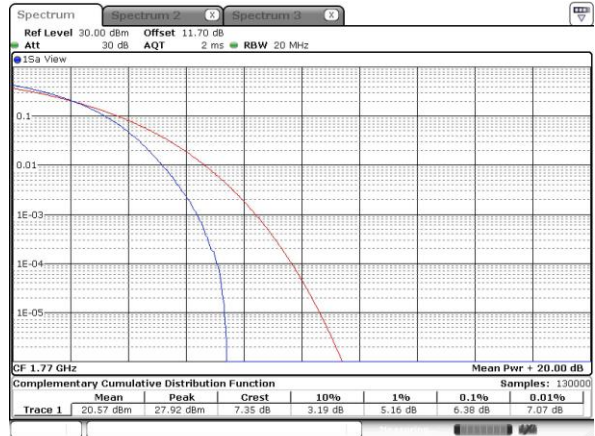
Date: 21 AUG 2018 22:56:54

Highest Channel / 1RB



Date: 21 AUG 2018 22:57:04

Highest Channel / Full RB



Date: 21 AUG 2018 22:58:27



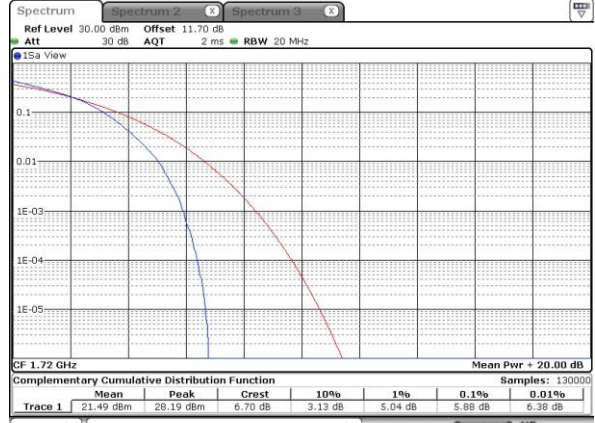
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 21 AUG 2018 22:55:15

Lowest Channel / Full RB



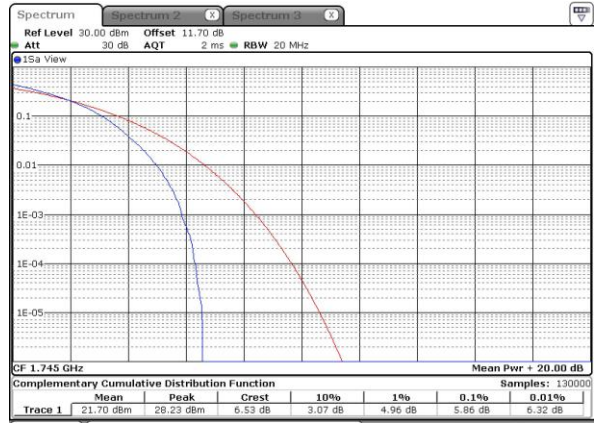
Date: 21 AUG 2018 22:55:26

Middle Channel / 1RB



Date: 21 AUG 2018 22:55:37

Middle Channel / Full RB



Date: 21 AUG 2018 22:55:47

Highest Channel / 1RB



Date: 21 AUG 2018 22:55:57

Highest Channel / Full RB



Date: 21 AUG 2018 22:56:08



LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 21 AUG 2018 22:57:27

Lowest Channel / Full RB



Date: 21 AUG 2018 22:57:38

Middle Channel / 1RB



Date: 21 AUG 2018 22:57:51

Middle Channel / Full RB



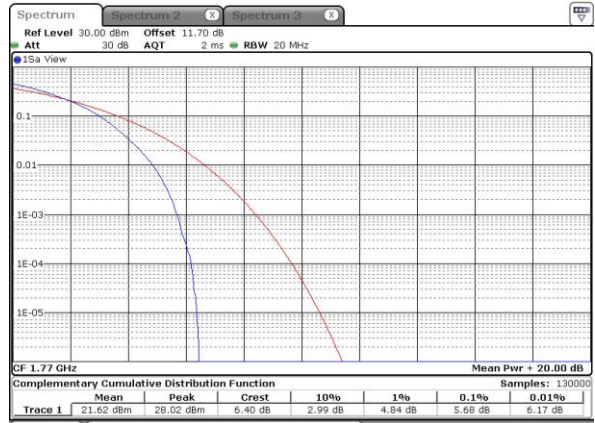
Date: 21 AUG 2018 22:58:02

Highest Channel / 1RB



Date: 21 AUG 2018 22:58:16

Highest Channel / Full RB



Date: 21 AUG 2018 22:58:08



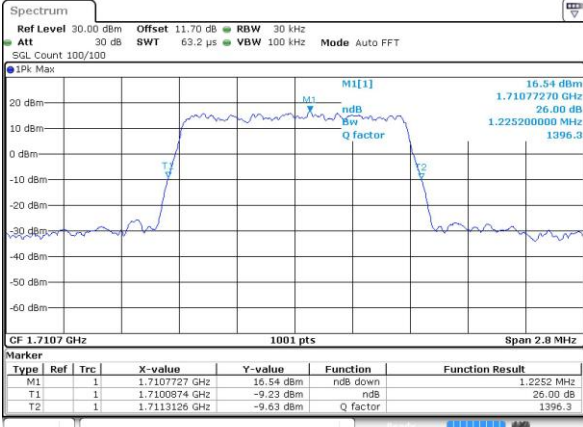
26dB Bandwidth

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	1.22	3.03	2.97	4.9	4.83	9.95	9.81	14.33	14.21	20.14	20.26
Middle CH	1.24	1.22	3.06	3.01	4.91	4.89	9.69	9.85	14.24	14.48	20.14	20.3
Highest CH	1.23	1.22	3.02	2.97	4.9	4.92	9.71	9.75	14.72	14.12	20.18	20.02
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	3.03	-	4.94	-	9.83	-	14.57	-	20.06	-
Middle CH	1.21	-	3.03	-	4.97	-	9.75	-	14.27	-	20.18	-
Highest CH	1.23	-	3.07	-	4.90	-	9.79	-	14.42	-	20.22	-



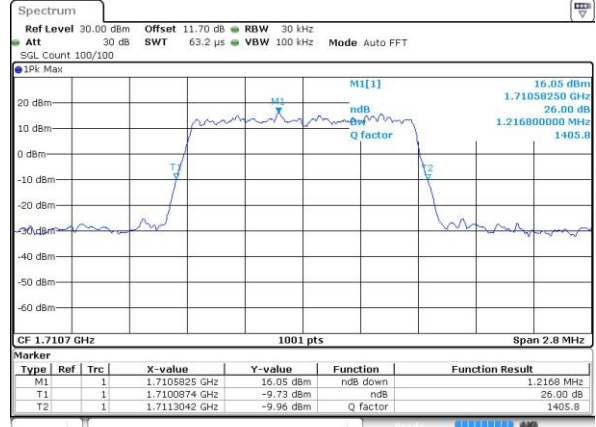
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



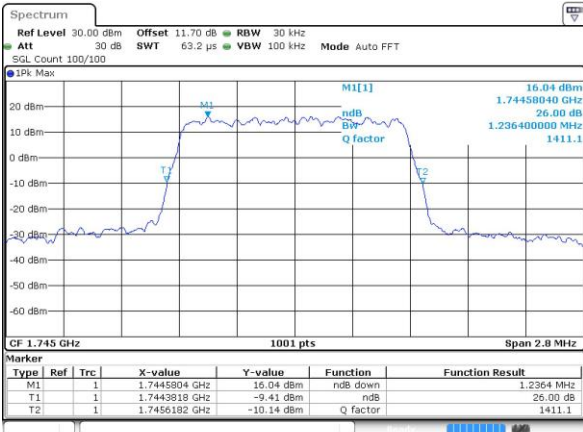
Date: 19 AUG 2018 23:22:00

Lowest Channel / 1.4MHz / 16QAM



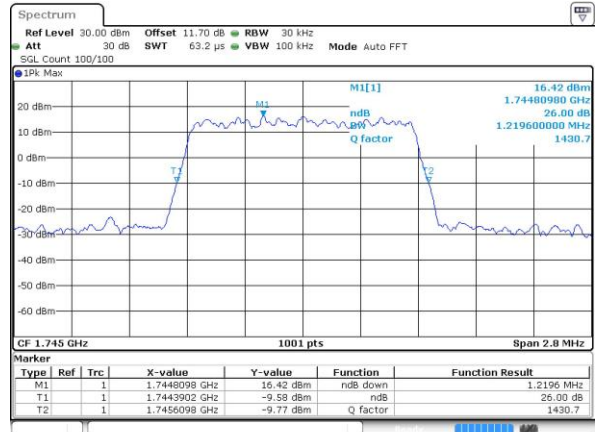
Date: 19 AUG 2018 23:22:11

Middle Channel / 1.4MHz / QPSK



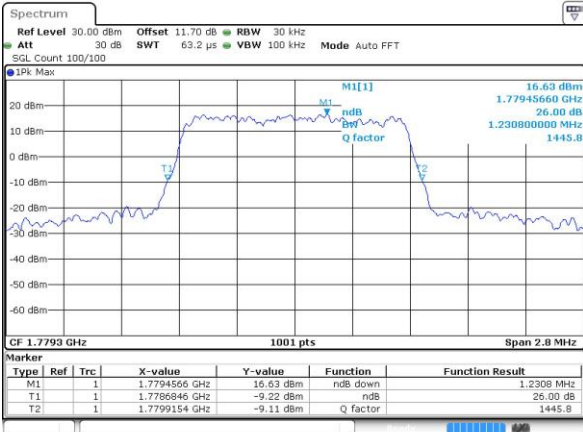
Date: 19 AUG 2018 23:29:28

Middle Channel / 1.4MHz / 16QAM



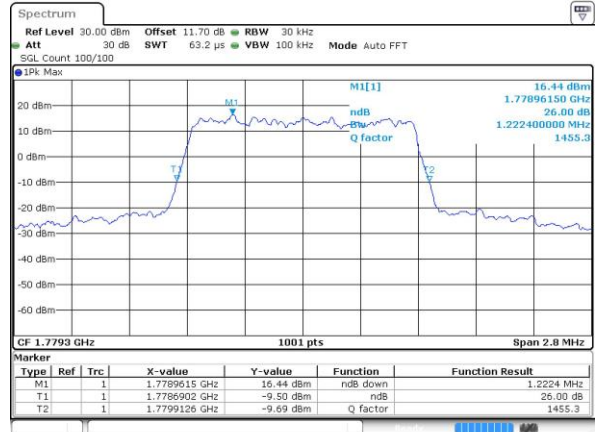
Date: 19 AUG 2018 23:29:39

Highest Channel / 1.4MHz / QPSK



Date: 19 AUG 2018 23:32:16

Highest Channel / 1.4MHz / 16QAM

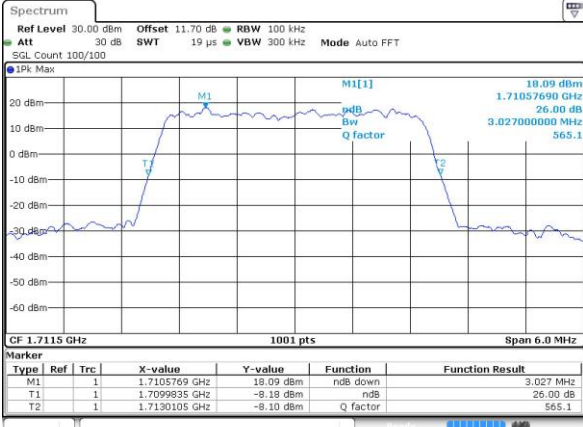


Date: 19 AUG 2018 23:32:27



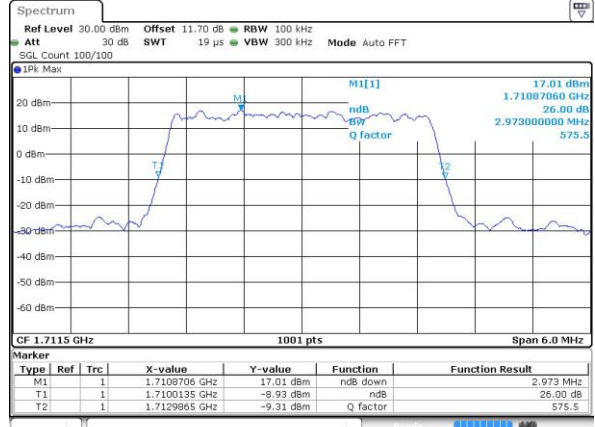
LTE Band 66

Lowest Channel / 3MHz / QPSK



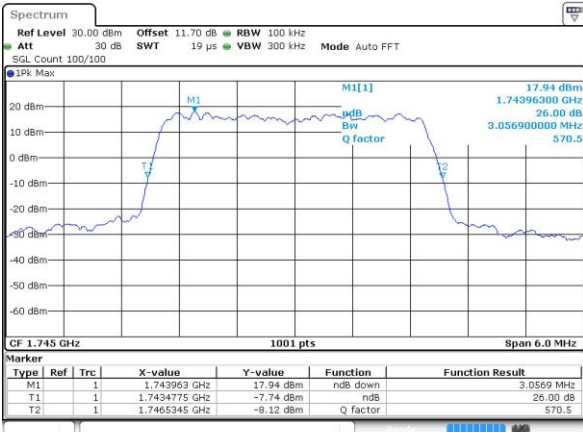
Date: 19 AUG 2018 23:48:36

Lowest Channel / 3MHz / 16QAM



Date: 19 AUG 2018 23:48:48

Middle Channel / 3MHz / QPSK



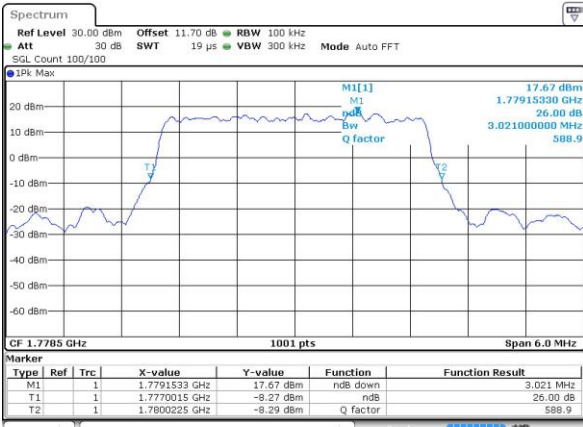
Date: 19 AUG 2018 23:56:45

Middle Channel / 3MHz / 16QAM



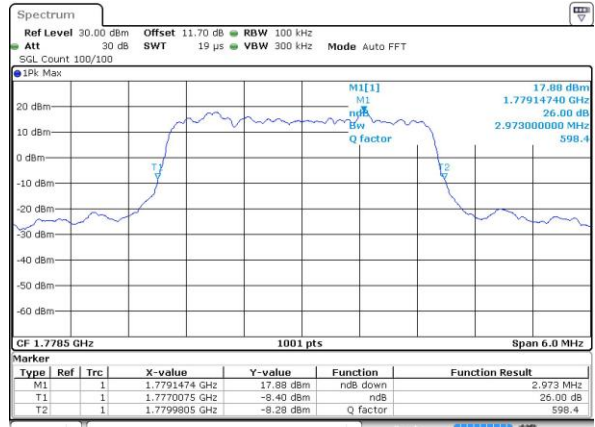
Date: 19 AUG 2018 23:56:56

Highest Channel / 3MHz / QPSK



Date: 19 AUG 2018 23:59:33

Highest Channel / 3MHz / 16QAM

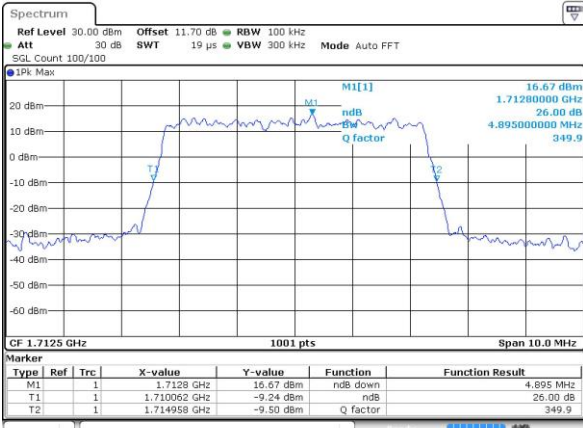


Date: 19 AUG 2018 23:59:44



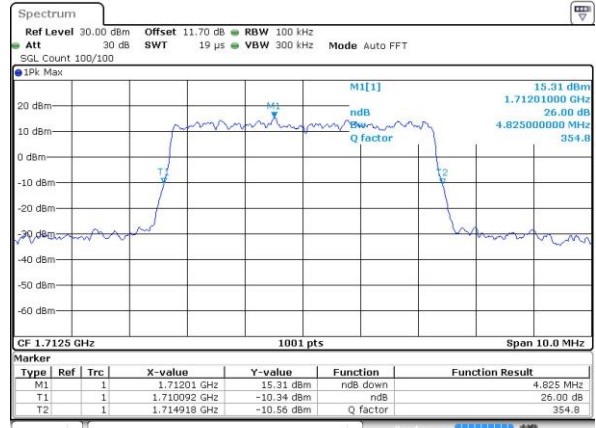
LTE Band 66

Lowest Channel / 5MHz / QPSK



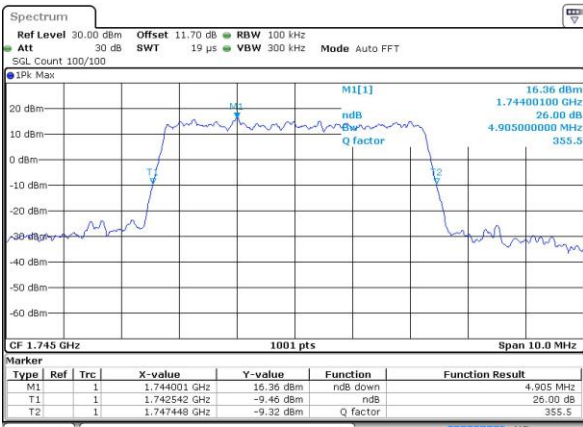
Date: 20 AUG 2018 00:07:01

Lowest Channel / 5MHz / 16QAM



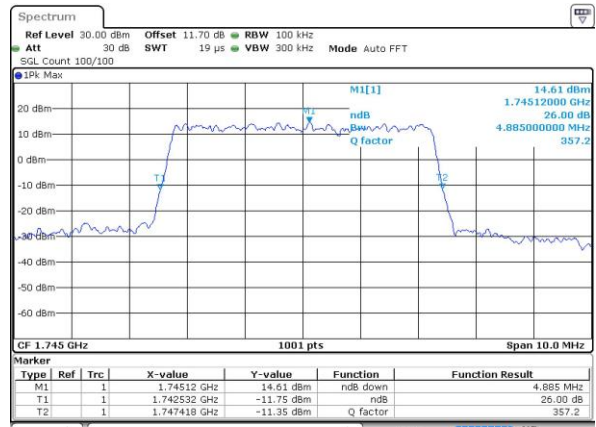
Date: 20 AUG 2018 00:07:13

Middle Channel / 5MHz / QPSK



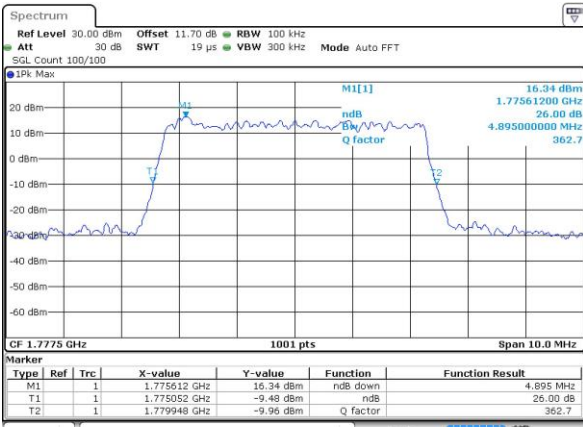
Date: 20 AUG 2018 00:14:30

Middle Channel / 5MHz / 16QAM



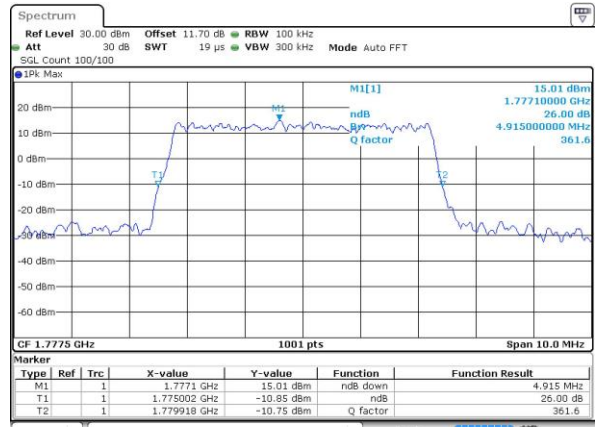
Date: 20 AUG 2018 00:14:41

Highest Channel / 5MHz / QPSK



Date: 20 AUG 2018 00:17:18

Highest Channel / 5MHz / 16QAM



Date: 20 AUG 2018 00:17:29



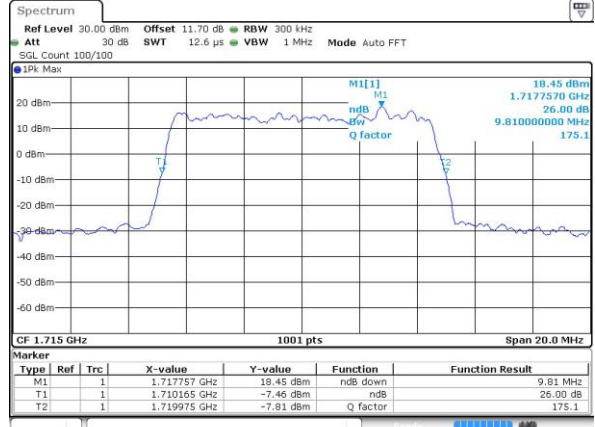
LTE Band 66

Lowest Channel / 10MHz / QPSK



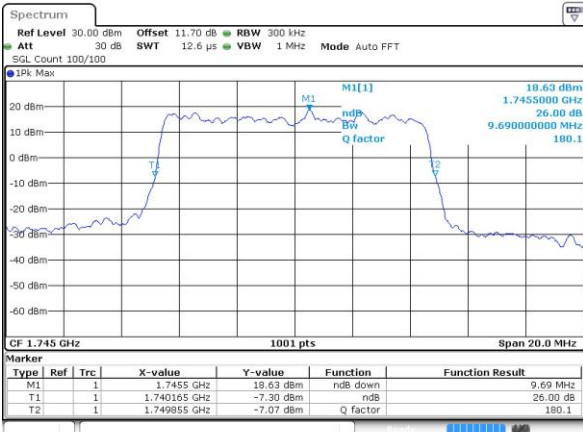
Date: 20 AUG 2018 00:24:46

Lowest Channel / 10MHz / 16QAM



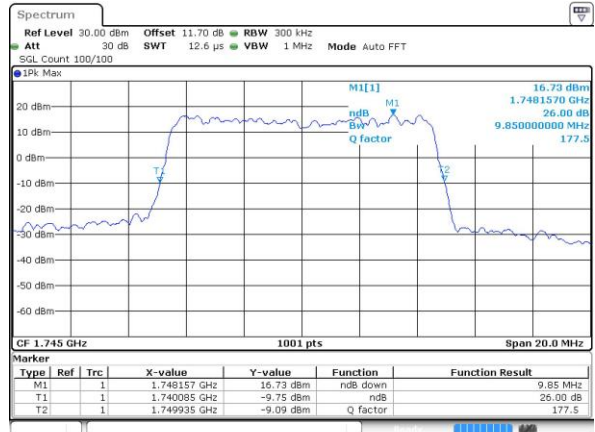
Date: 20 AUG 2018 00:24:57

Middle Channel / 10MHz / QPSK



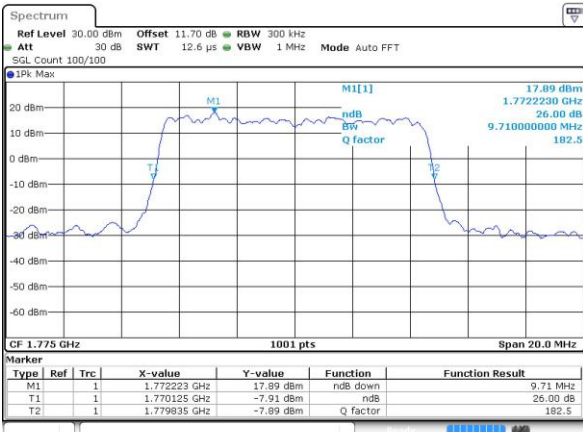
Date: 20 AUG 2018 00:32:14

Middle Channel / 10MHz / 16QAM



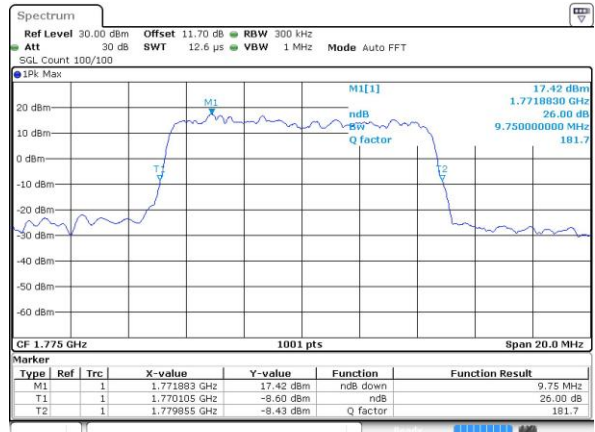
Date: 20 AUG 2018 00:32:26

Highest Channel / 10MHz / QPSK



Date: 20 AUG 2018 00:35:02

Highest Channel / 10MHz / 16QAM

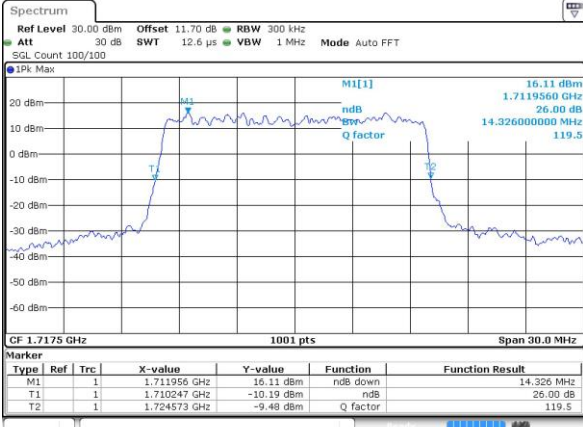


Date: 20 AUG 2018 00:35:14



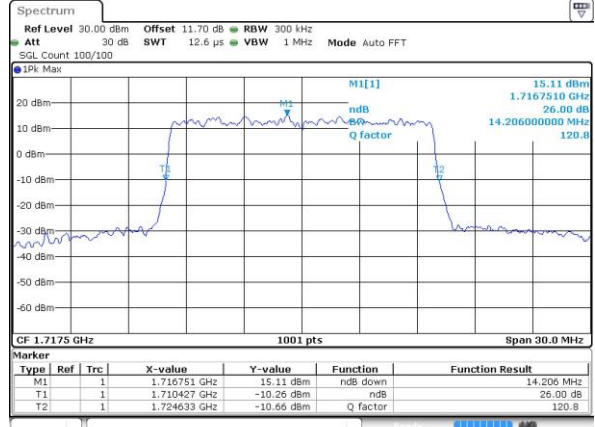
LTE Band 66

Lowest Channel / 15MHz / QPSK



Date: 20 AUG 2018 00:50:45

Lowest Channel / 15MHz / 16QAM



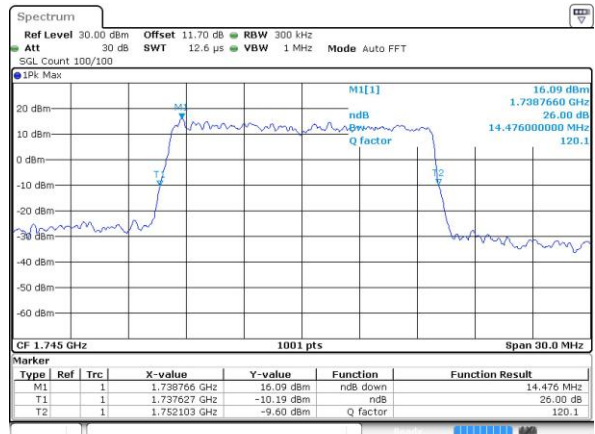
Date: 20 AUG 2018 00:50:56

Middle Channel / 15MHz / QPSK



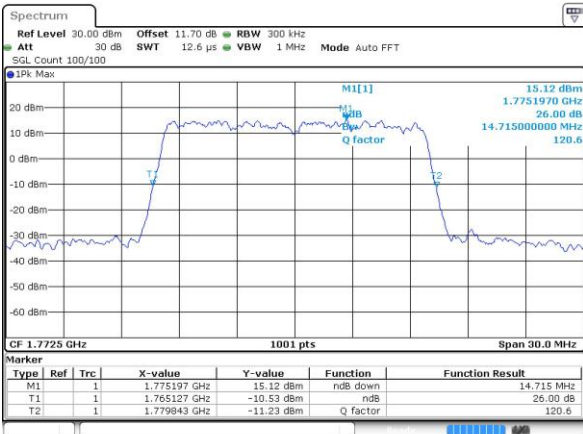
Date: 20 AUG 2018 00:58:14

Middle Channel / 15MHz / 16QAM



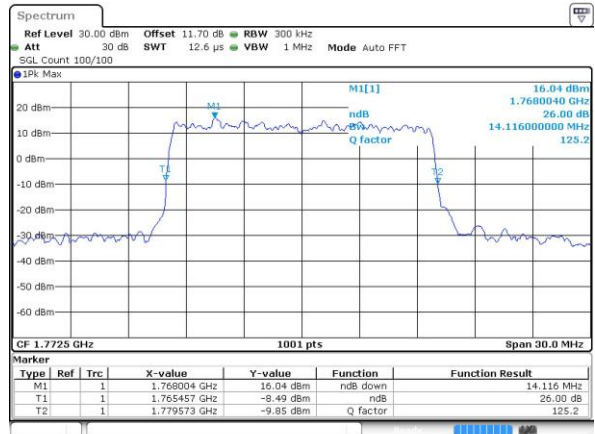
Date: 20 AUG 2018 00:58:25

Highest Channel / 15MHz / QPSK



Date: 20 AUG 2018 01:01:02

Highest Channel / 15MHz / 16QAM

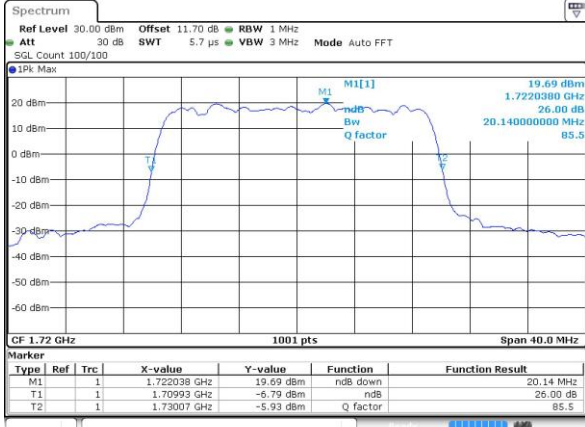


Date: 20 AUG 2018 01:01:13



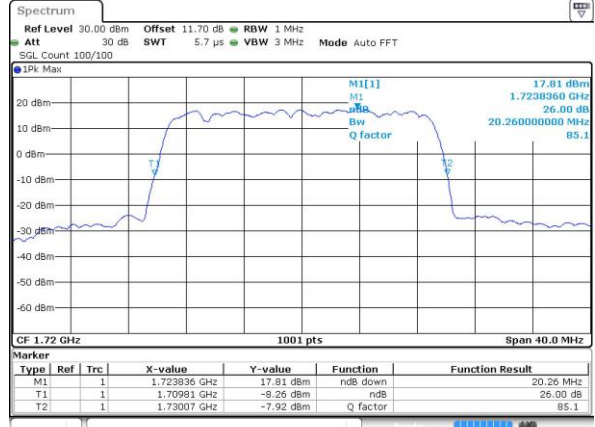
LTE Band 66

Lowest Channel / 20MHz / QPSK



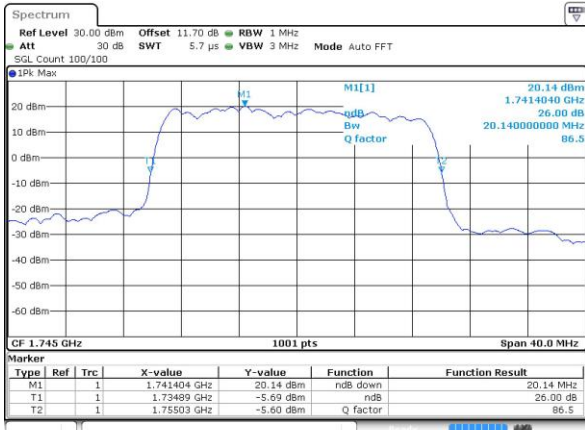
Date: 20 AUG 2018 01:08:30

Lowest Channel / 20MHz / 16QAM



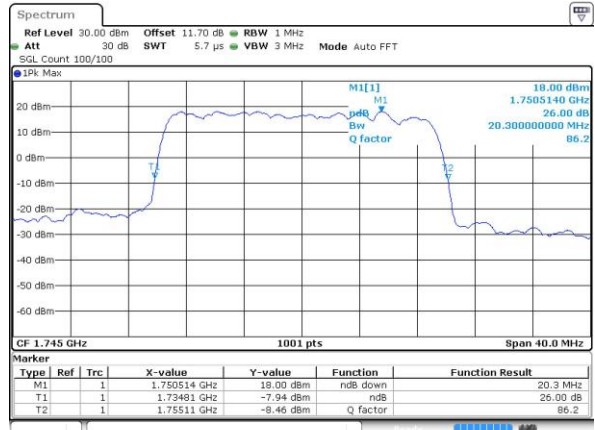
Date: 20 AUG 2018 01:08:41

Middle Channel / 20MHz / QPSK



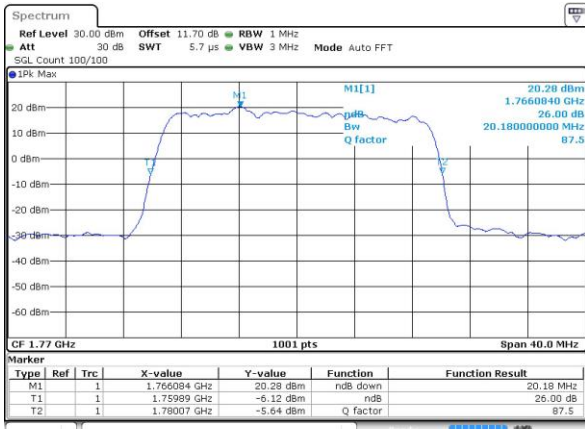
Date: 20 AUG 2018 01:15:58

Middle Channel / 20MHz / 16QAM



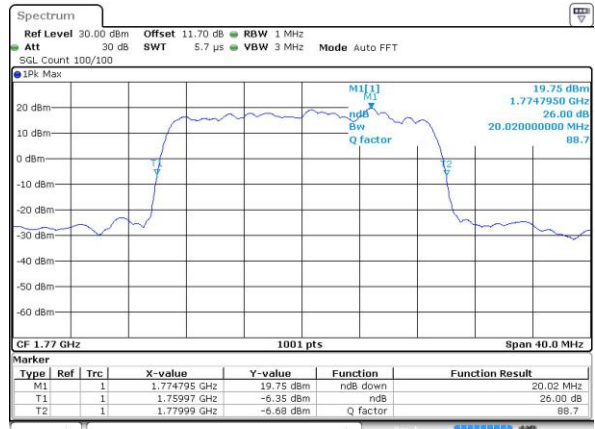
Date: 20 AUG 2018 01:16:10

Highest Channel / 20MHz / QPSK



Date: 20 AUG 2018 01:18:47

Highest Channel / 20MHz / 16QAM

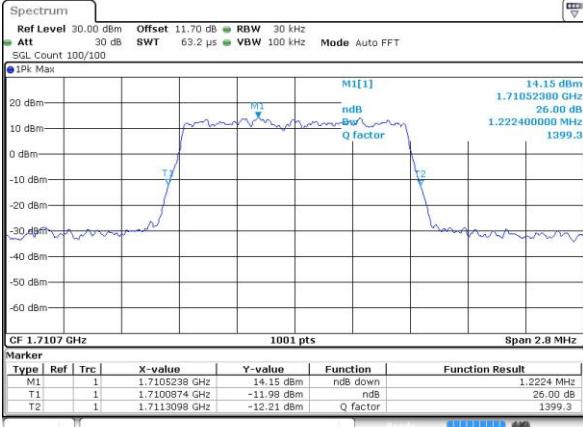


Date: 20 AUG 2018 01:18:58



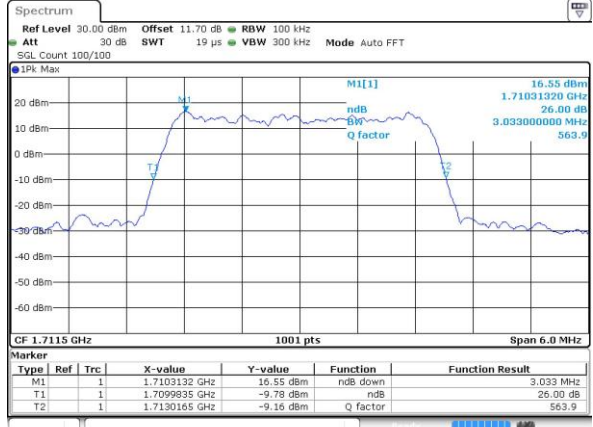
LTE Band 66

Lowest Channel / 1.4MHz / 64QAM



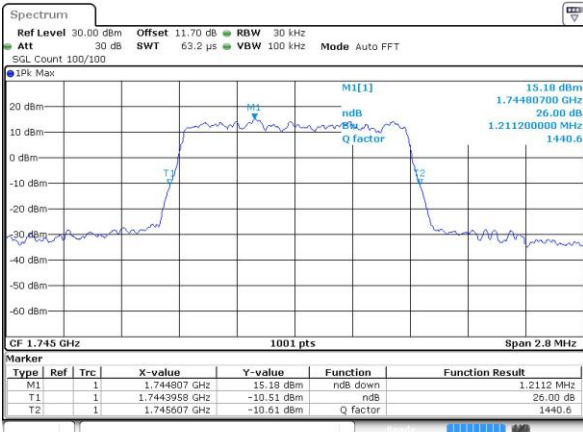
Date: 19 AUG 2018 23:39:32

Lowest Channel / 3MHz / 64QAM



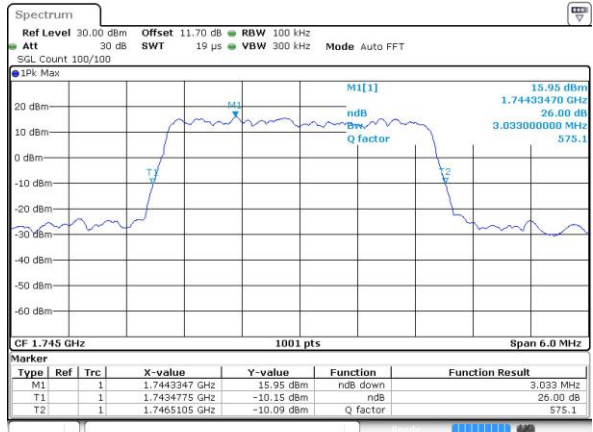
Date: 20 AUG 2018 01:26:04

Middle Channel / 20MHz / 64QAM



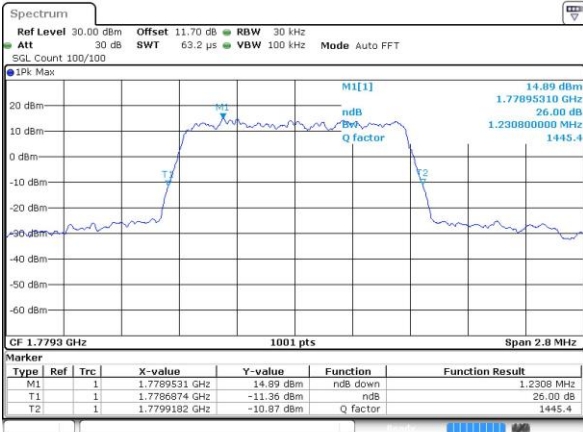
Date: 19 AUG 2018 23:43:17

Middle Channel / 3MHz / 64QAM



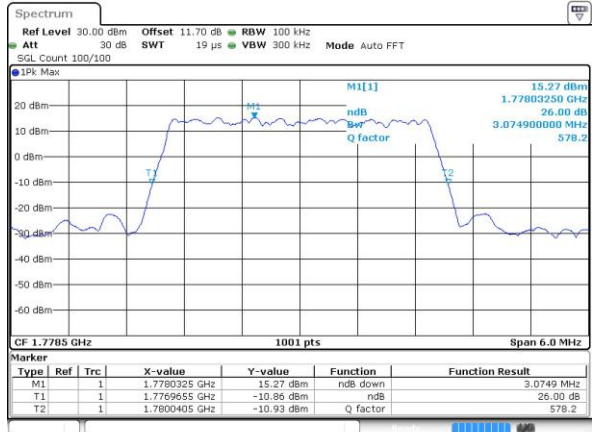
Date: 20 AUG 2018 01:29:48

Highest Channel / 20MHz / 64QAM



Date: 19 AUG 2018 23:44:41

Highest Channel / 3MHz / 64QAM



Date: 20 AUG 2018 01:31:12