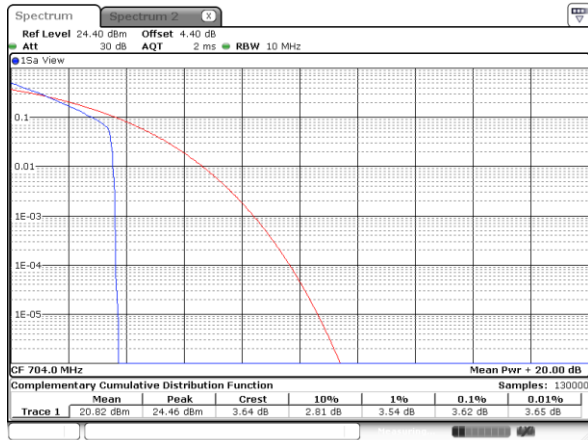




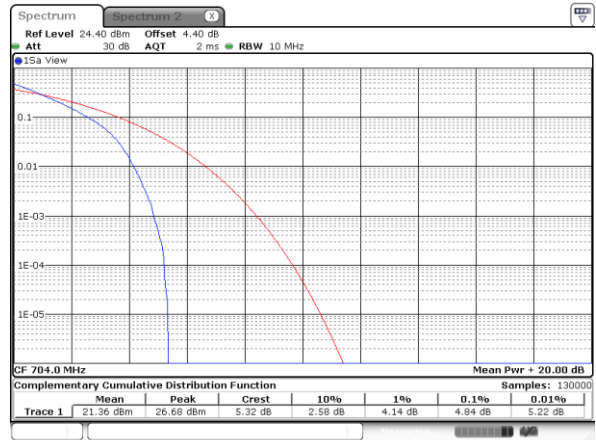
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



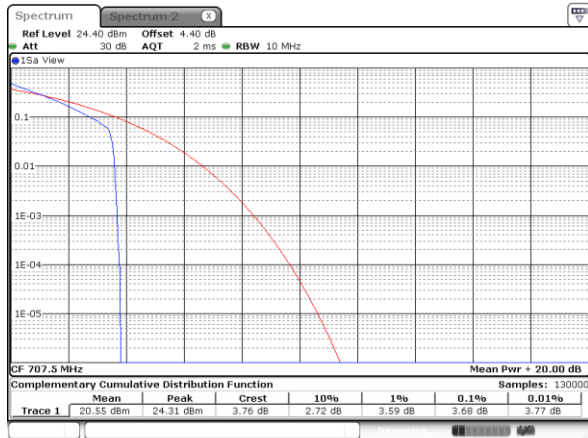
Date: 21 JAN 2019 14:23:36

Lowest Channel / Full RB



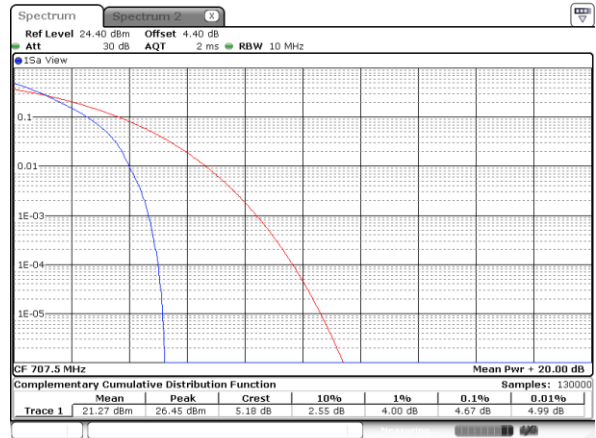
Date: 21 JAN 2019 14:23:45

Middle Channel / 1RB



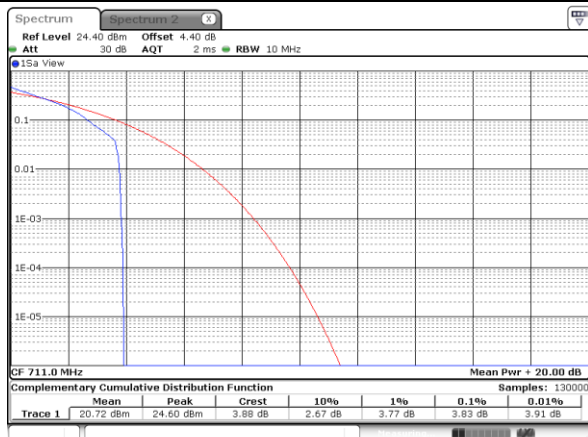
Date: 21 JAN 2019 14:24:23

Middle Channel / Full RB



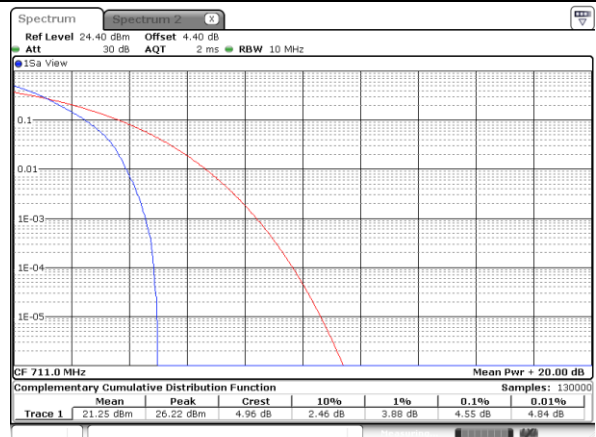
Date: 21 JAN 2019 14:24:13

Highest Channel / 1RB



Date: 21 JAN 2019 14:24:51

Highest Channel / Full RB

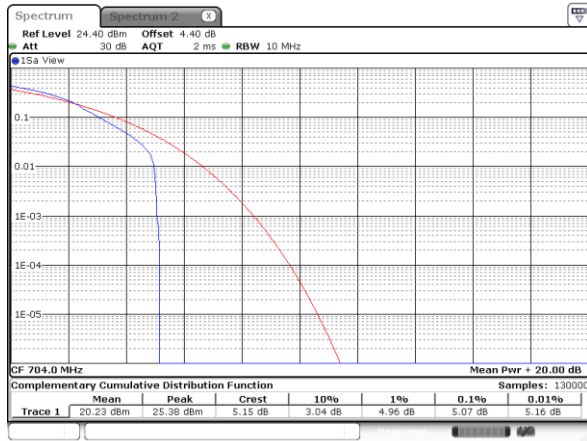


Date: 21 JAN 2019 14:25:00

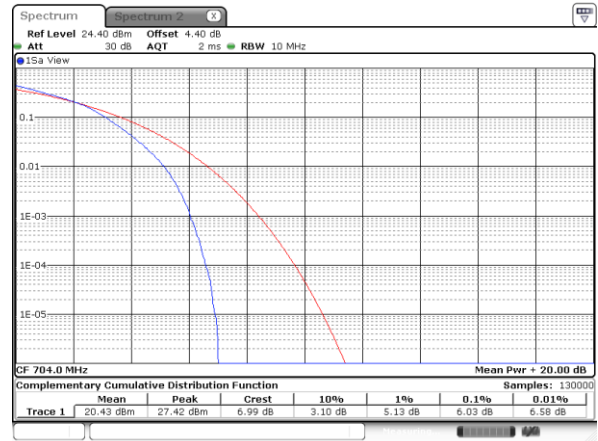


LTE Band 12 / 10MHz / 16QAM

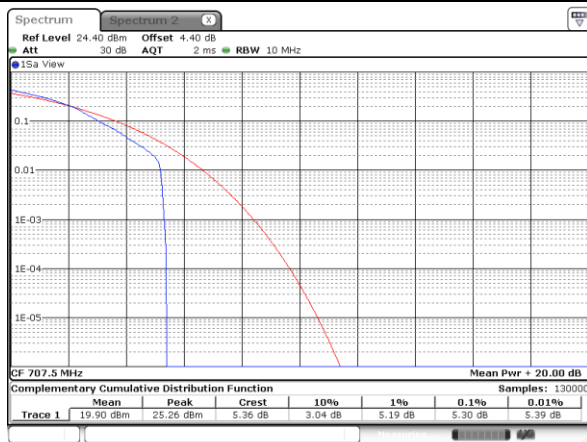
Lowest Channel / 1RB



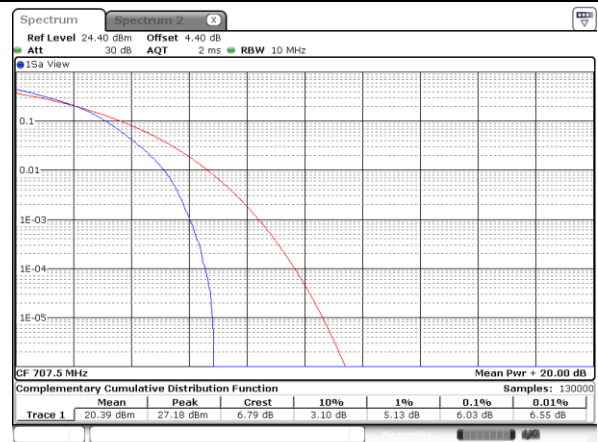
Lowest Channel / Full RB



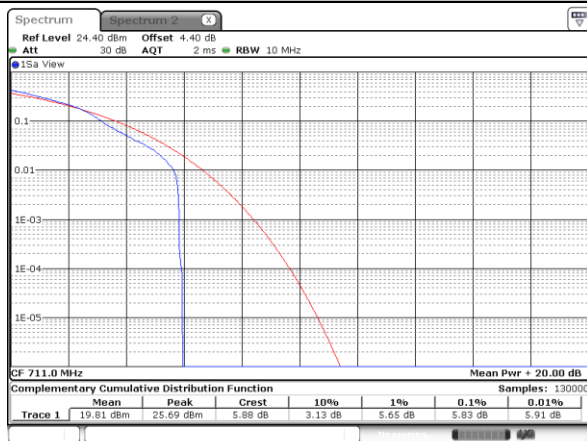
Middle Channel / 1RB



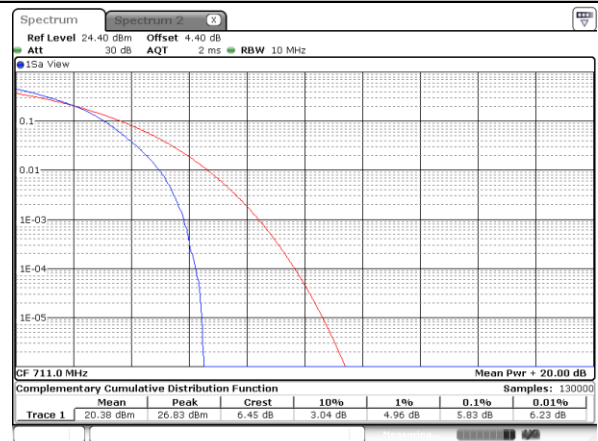
Middle Channel / Full RB

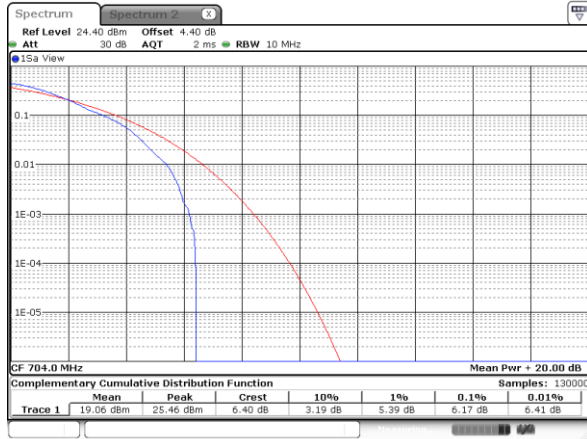


Highest Channel / 1RB

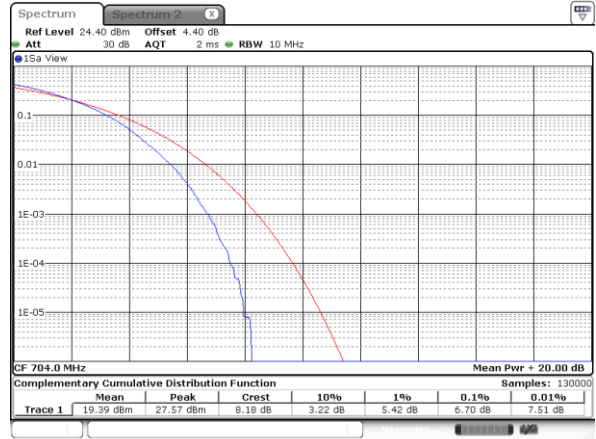


Highest Channel / Full RB

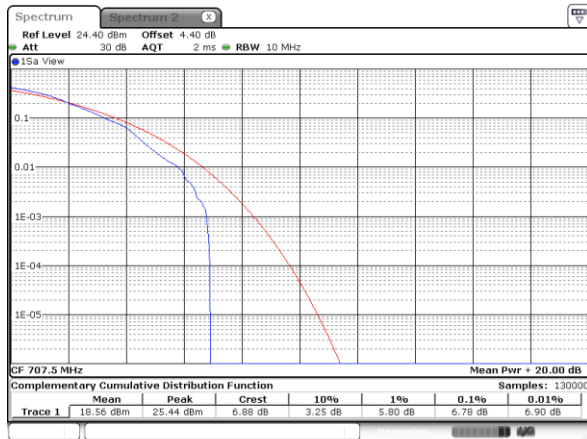


LTE Band 12 / 10MHz / 64QAM
Lowest Channel / 1RB


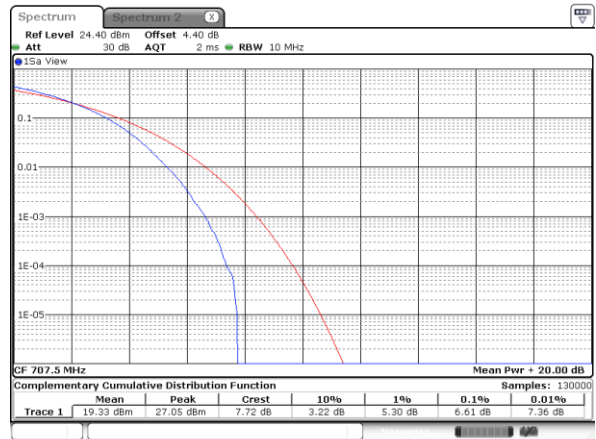
Date: 21 JAN 2019 14:59:06

Lowest Channel / Full RB


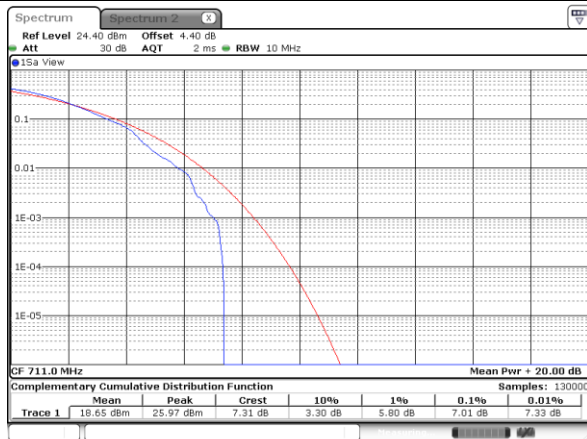
Date: 21 JAN 2019 14:59:15

Middle Channel / 1RB


Date: 21 JAN 2019 14:59:34

Middle Channel / Full RB


Date: 21 JAN 2019 14:59:25

Highest Channel / 1RB


Date: 21 JAN 2019 14:59:43

Highest Channel / Full RB


Date: 21 JAN 2019 14:59:54



LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



Middle Channel / Full RB



LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Middle Channel / Full RB



LTE Band 13 / 10MHz / 64QAM

Middle Channel/ 1RB



Middle Channel / Full RB





LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



Lowest Channel / Full RB



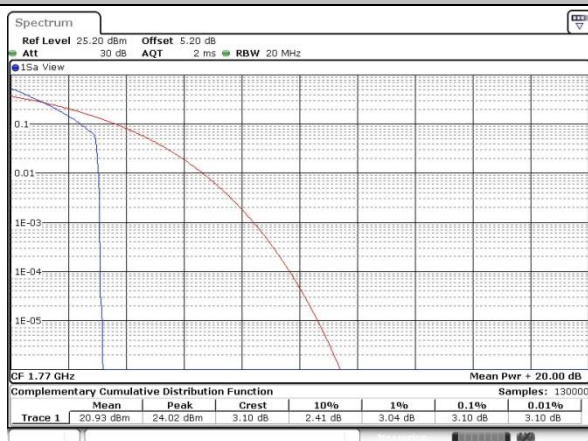
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



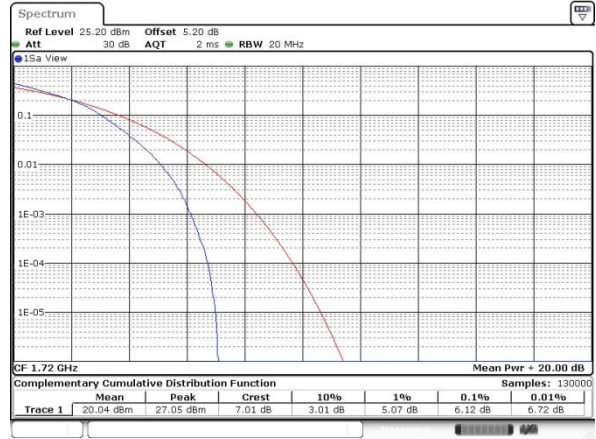


LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel / 1RB



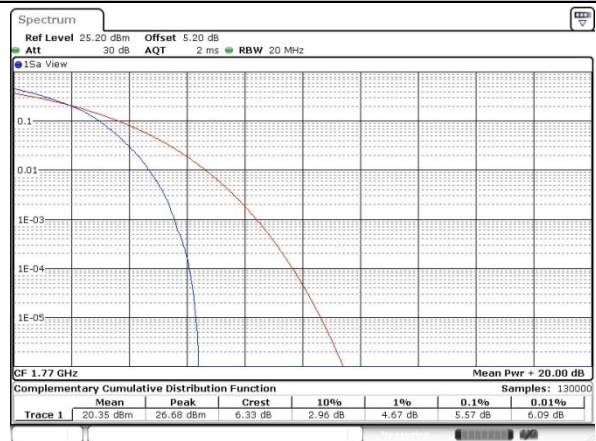
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



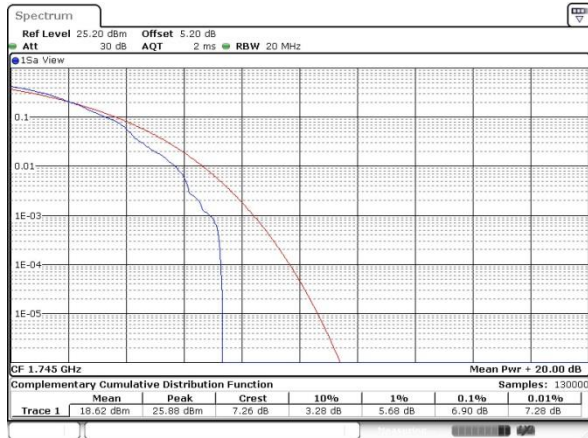
Date: 31 JAN 2019 16:05:10

Lowest Channel / Full RB



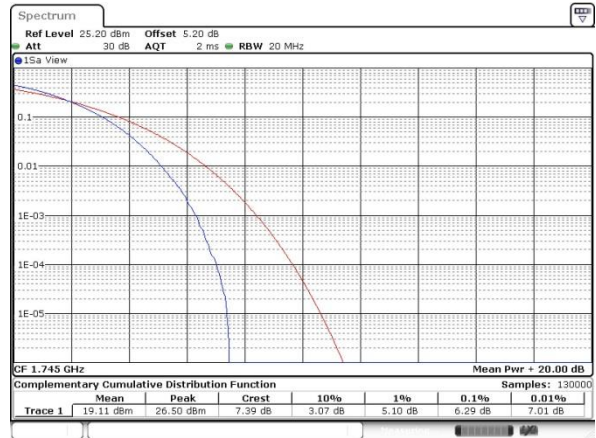
Date: 31 JAN 2019 16:09:23

Middle Channel / 1RB



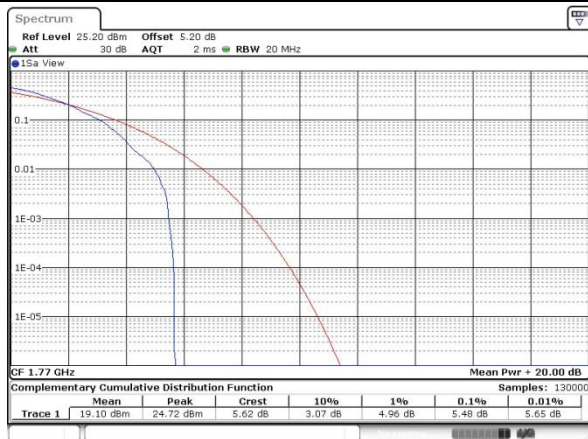
Date: 31 JAN 2019 16:02:57

Middle Channel / Full RB



Date: 31 JAN 2019 16:00:31

Highest Channel / 1RB



Date: 31 JAN 2019 16:15:42

Highest Channel / Full RB



Date: 31 JAN 2019 16:10:57

**26dB Bandwidth**

Mode	LTE Band 2 : 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	1.228	1.231	3.063	3.015	4.905	4.885	9.77	9.81	14.386	14.505	20.18	20.1
Middle CH	1.217	1.228	3.027	3.009	4.985	4.875	9.65	9.77	14.446	14.625	20.22	20.18
Highest CH	1.225	1.231	3.009	3.027	4.965	4.875	9.65	9.83	14.416	14.326	20.1	20.26
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.228		2.991		4.825		9.75		14.146		20.22	
Middle CH	1.234		3.045		4.875		9.75		14.386		20.22	
Highest CH	1.237		3.003		4.935		9.77		14.266		20.06	

Mode	LTE Band 5 : 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	1.2308	1.2168	3.0569	2.967	4.925	4.905	9.85	9.63				
Middle CH	1.2196	1.2196	2.997	3.033	4.905	4.905	9.77	9.69				
Highest CH	1.242	1.2308	3.033	3.033	4.945	4.855	9.81	9.69				
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2392		3.009		4.935		9.77					
Middle CH	1.2224		3.045		4.925		9.85					
Highest CH	1.2364		3.027		4.905		9.69					

Mode												
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.855	4.905	9.83	9.75	14.476	14.266	20.22	20.14	4.855	9.79	14.296	20.22
Middle CH	4.995	4.915	9.85	9.71	14.625	14.356	20.34	20.26	4.905	9.71	14.446	20.18
Highest CH	4.965	4.905	9.89	9.87	14.685	14.505	20.22	20.22	4.985	9.79	14.476	20.18



Mode	LTE Band 12 : 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	1.2196	1.2308	2.979	3.003	4.915	4.885	9.69	9.75				
Middle CH	1.2336	1.2252	2.973	2.955	4.895	4.835	9.67	9.79				
Highest CH	1.2252	1.2168	2.967	3.003	4.825	4.915	9.69	9.83				
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.228		3.027		4.955		9.71					
Middle CH	1.2224		3.0509		4.905		9.85					
Highest CH	1.2224		3.003		4.835		9.75					

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.915	4.855			4.865							
Middle CH	4.875	4.815	9.79	9.67	4.855	9.81						
Highest CH	4.935	4.875			4.795							

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	1.2168	1.2364	3.0629	3.027	4.865	4.895	9.81	9.97	14.176	14.476	20.22	20.30
Middle CH	1.2252	1.2336	3.0749	3.0569	4.915	4.905	9.87	9.69	14.236	14.565	20.14	20.10
Highest CH	1.2336	1.228	3.045	3.0569	4.935	4.925	9.81	9.71	14.476	14.266	20.14	20.18
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2252		3.021		4.895		9.75		14.206		20.26	
Middle CH	1.2308		2.997		4.875		9.97		14.146		20.26	
Highest CH	1.2336		3.0749		4.905		9.83		14.505		20.30	



For CA:

Mode	LTE Band 5 : 26dB BW(MHz)				
QPSK					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	15.944	16.094	20.859		
Middle CH	15.854	16.064	20.859		
Highest CH	15.914	16.064	20.939		

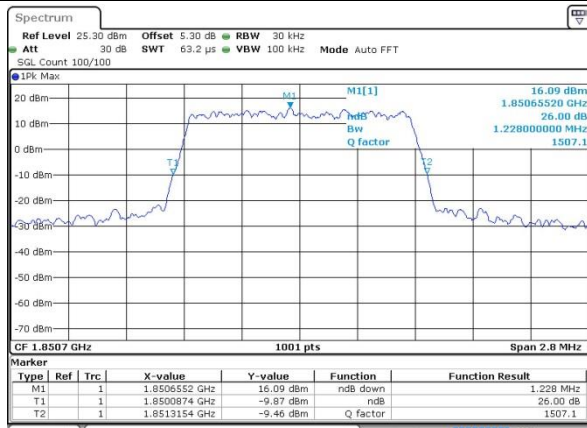
Mode	LTE Band 5 : 26dB BW(MHz)				
16QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	15.914	16.064	20.939		
Middle CH	15.704	16.004	20.899		
Highest CH	16.034	15.974	20.819		

Mode	LTE Band 5 : 26dB BW(MHz)				
64QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	15.854	16.004	20.779		
Middle CH	15.914	16.064	20.739		
Highest CH	15.914	16.004	20.859		



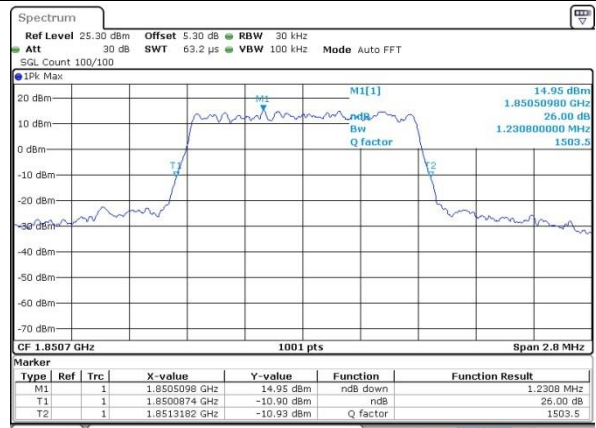
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



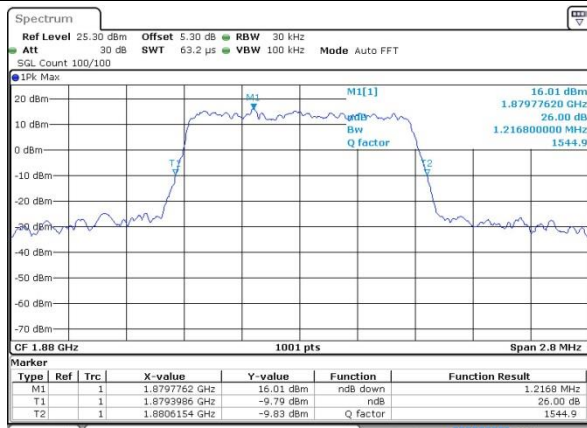
Date: 26 JAN 2019 15:39:59

Lowest Channel / 1.4MHz / 16QAM



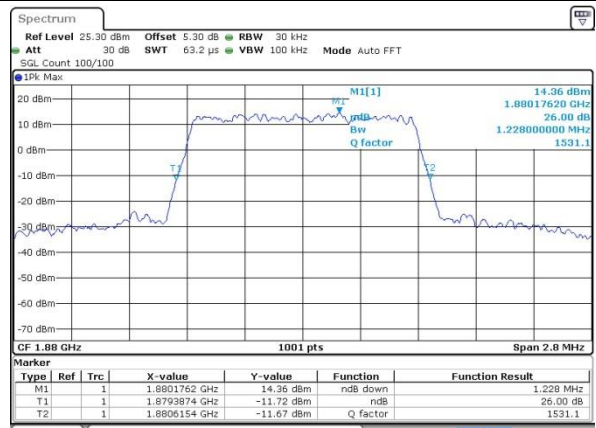
Date: 26 JAN 2019 15:40:09

Middle Channel / 1.4MHz / QPSK



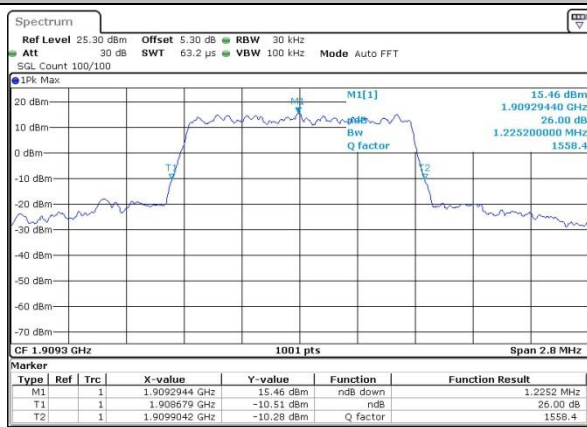
Date: 25 JAN 2019 00:58:16

Middle Channel / 1.4MHz / 16QAM



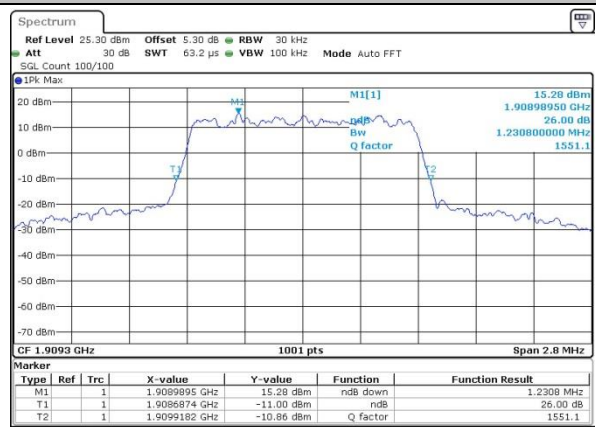
Date: 25 JAN 2019 00:58:32

Highest Channel / 1.4MHz / QPSK



Date: 25 JAN 2019 01:01:21

Highest Channel / 1.4MHz / 16QAM

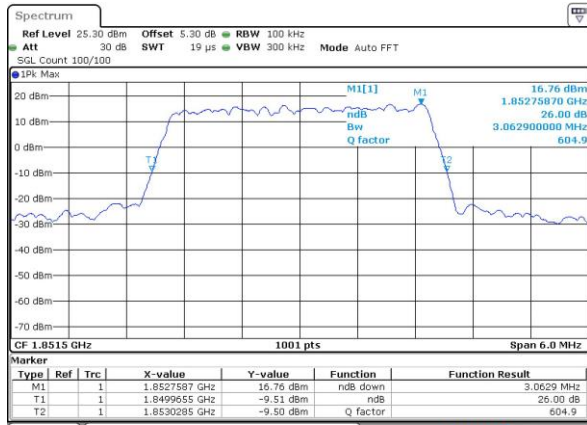


Date: 25 JAN 2019 01:01:33

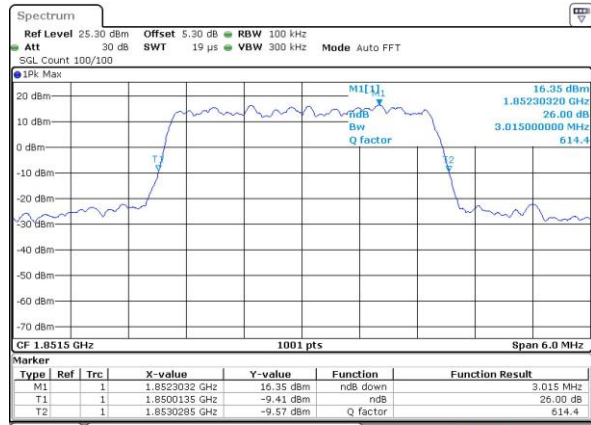


LTE Band 2

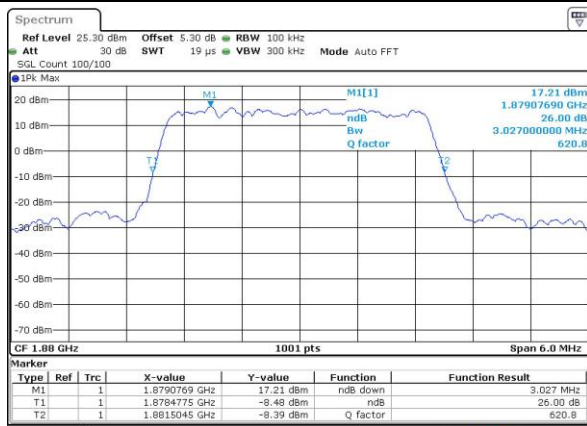
Lowest Channel / 3MHz / QPSK



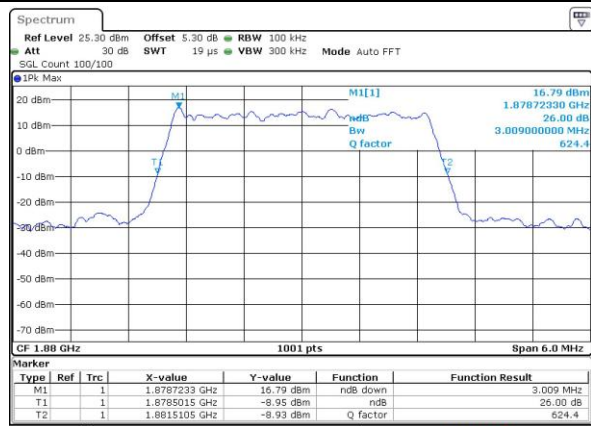
Lowest Channel / 3MHz / 16QAM



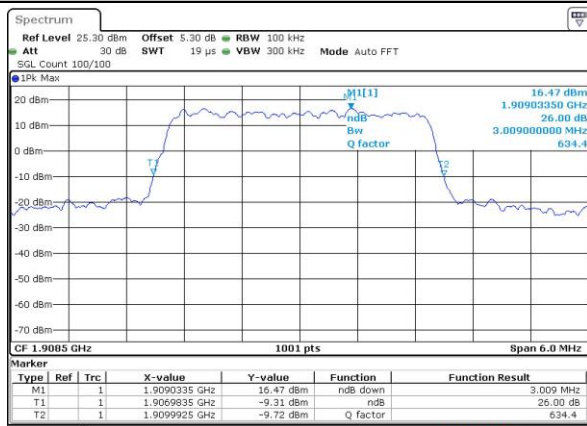
Middle Channel / 3MHz / QPSK



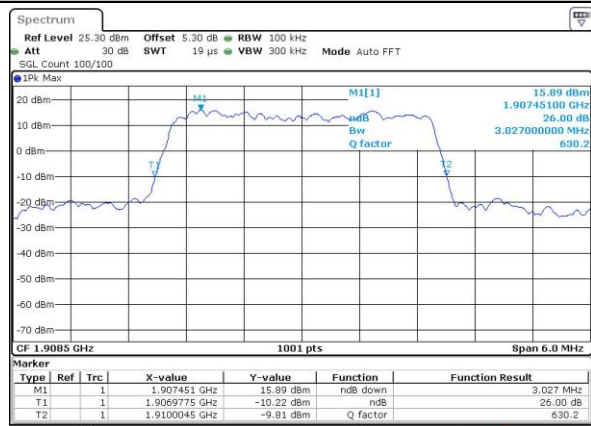
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



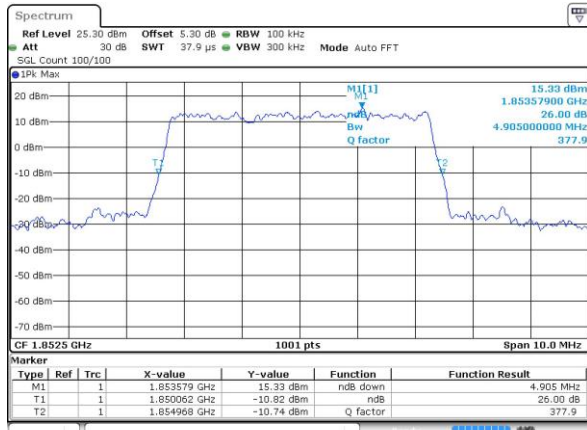
Highest Channel / 3MHz / 16QAM





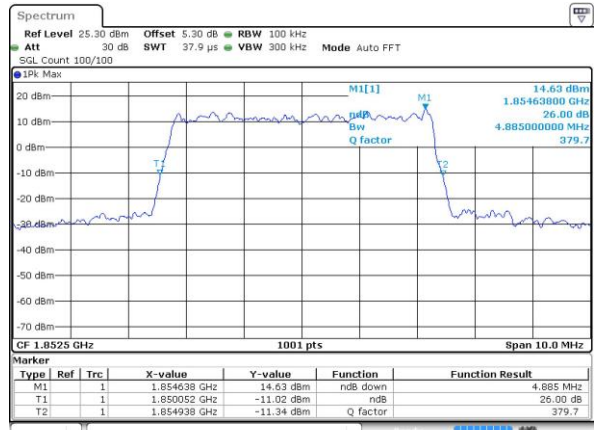
LTE Band 2

Lowest Channel / 5MHz / QPSK



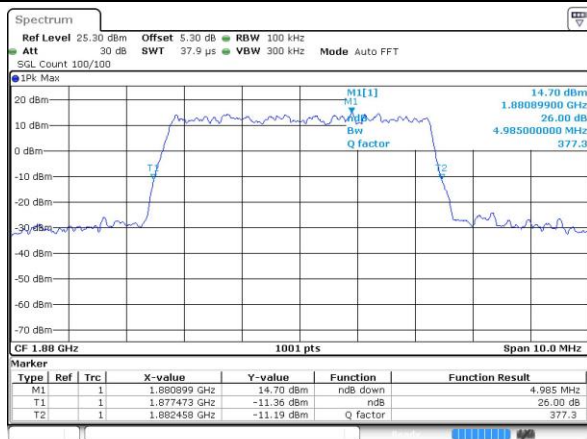
Date: 25 JAN 2019 04:20:31

Lowest Channel / 5MHz / 16QAM



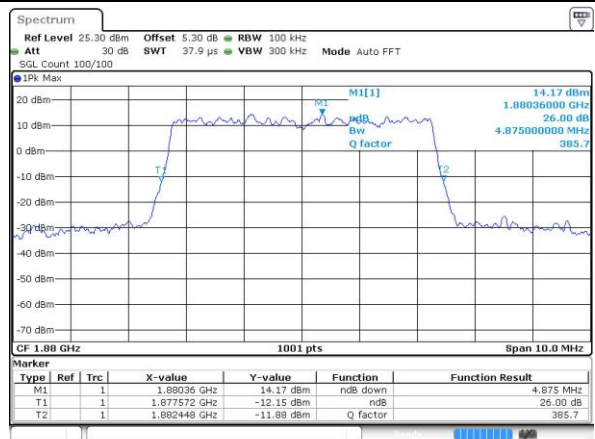
Date: 25 JAN 2019 04:20:42

Middle Channel / 5MHz / QPSK



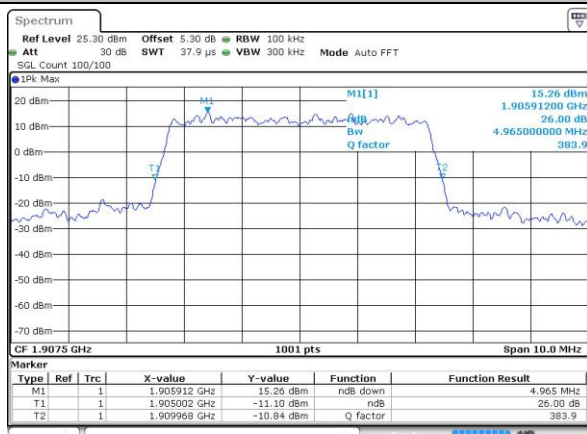
Date: 25 JAN 2019 04:21:23

Middle Channel / 5MHz / 16QAM



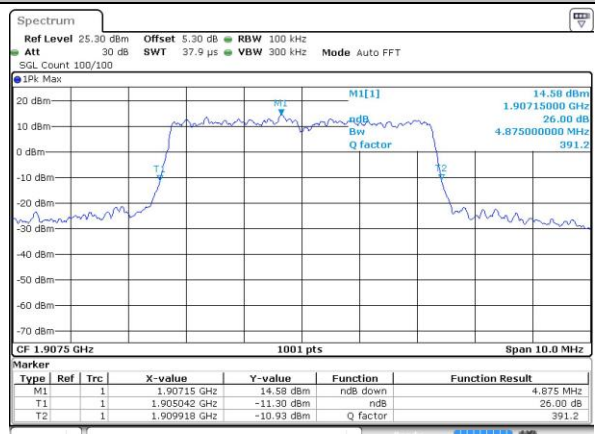
Date: 25 JAN 2019 04:21:35

Highest Channel / 5MHz / QPSK



Date: 25 JAN 2019 04:22:12

Highest Channel / 5MHz / 16QAM

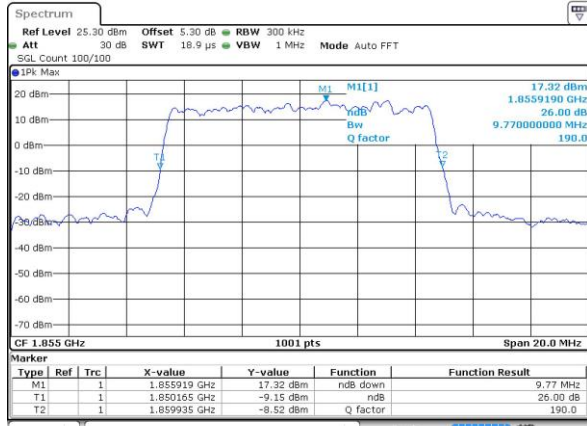


Date: 25 JAN 2019 04:22:25

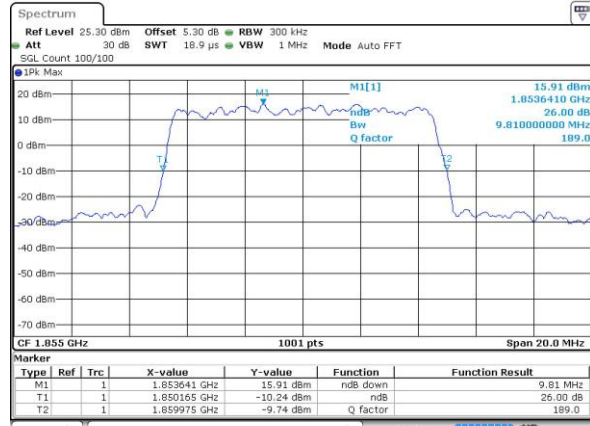


LTE Band 2

Lowest Channel / 10MHz / QPSK



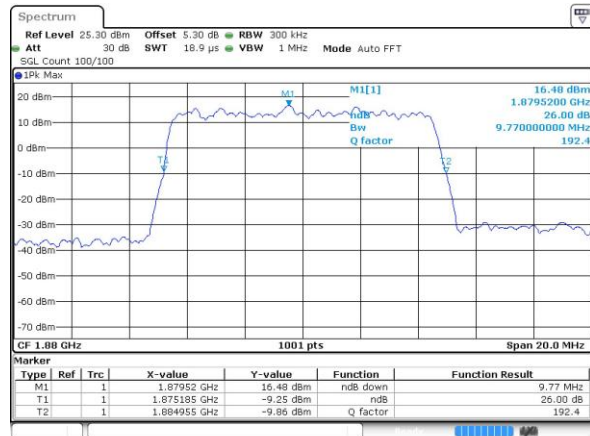
Lowest Channel / 10MHz / 16QAM



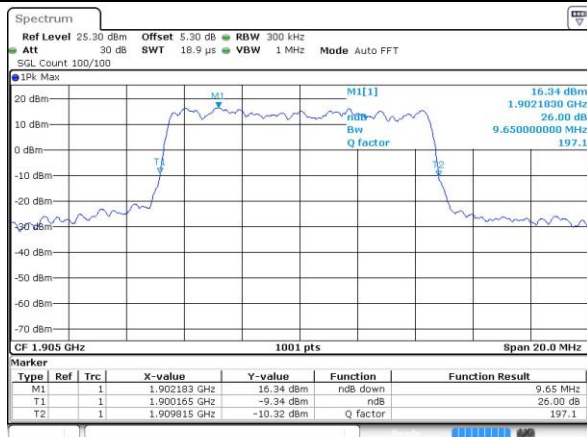
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



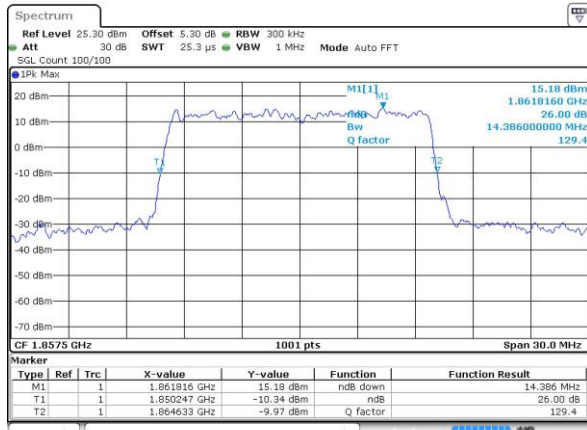
Highest Channel / 10MHz / 16QAM





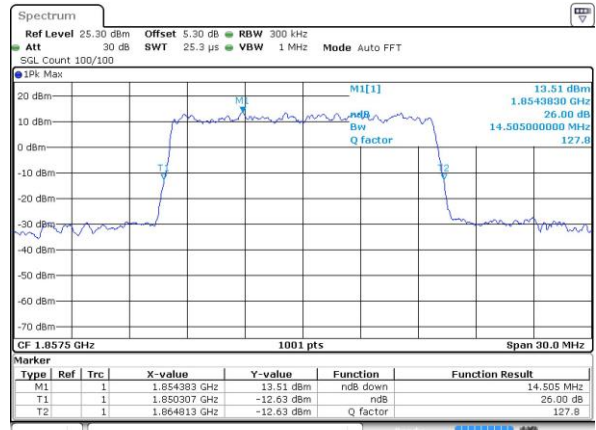
LTE Band 2

Lowest Channel / 15MHz / QPSK



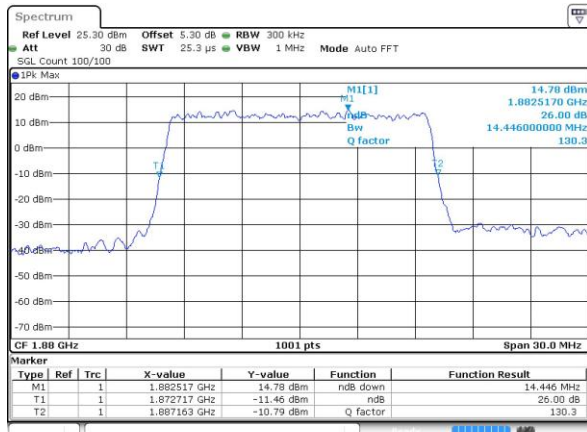
Date: 25 JAN 2019 03:17:02

Lowest Channel / 15MHz / 16QAM



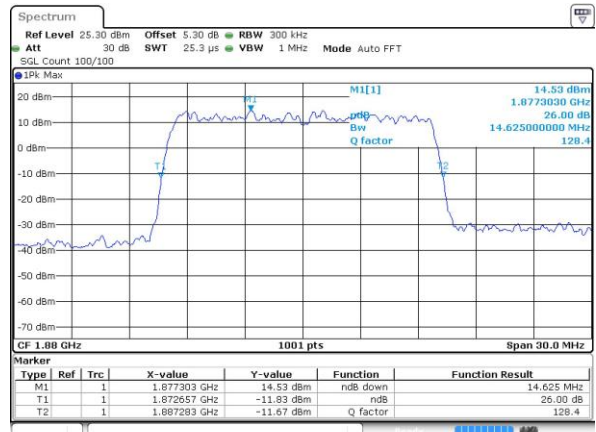
Date: 25 JAN 2019 03:17:15

Middle Channel / 15MHz / QPSK



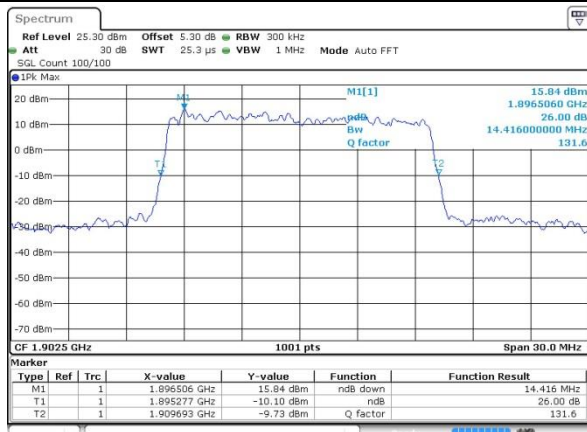
Date: 25 JAN 2019 03:25:43

Middle Channel / 15MHz / 16QAM



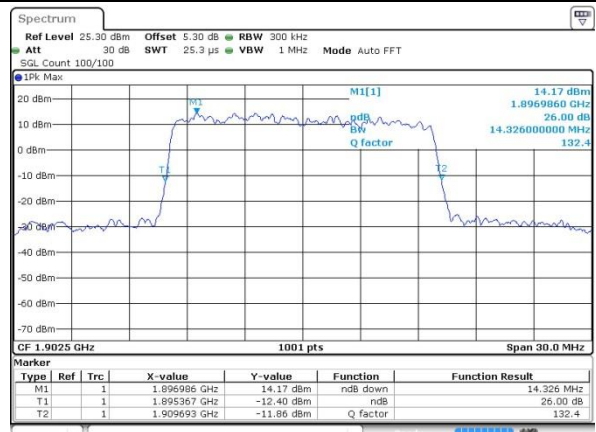
Date: 25 JAN 2019 03:25:56

Highest Channel / 15MHz / QPSK



Date: 25 JAN 2019 03:30:27

Highest Channel / 15MHz / 16QAM

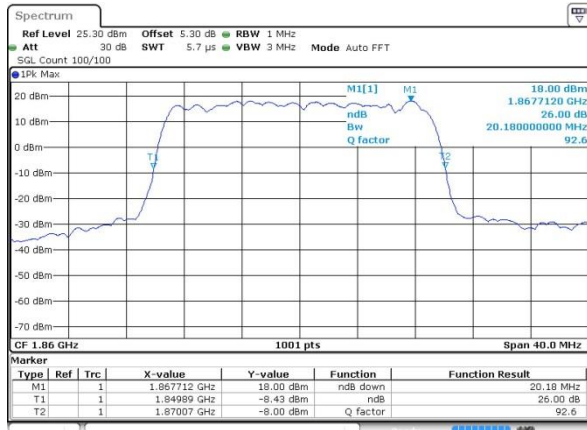


Date: 25 JAN 2019 03:30:40



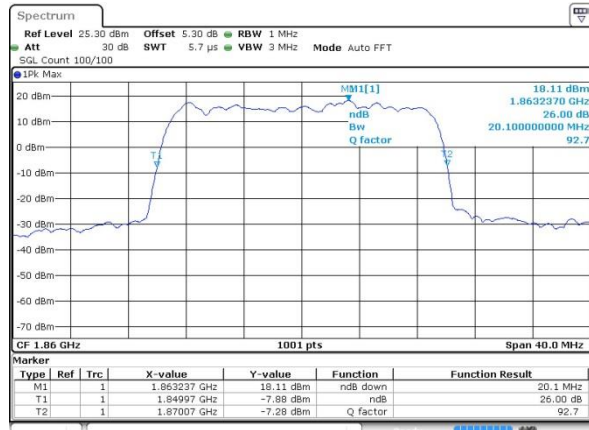
LTE Band 2

Lowest Channel / 20MHz / QPSK



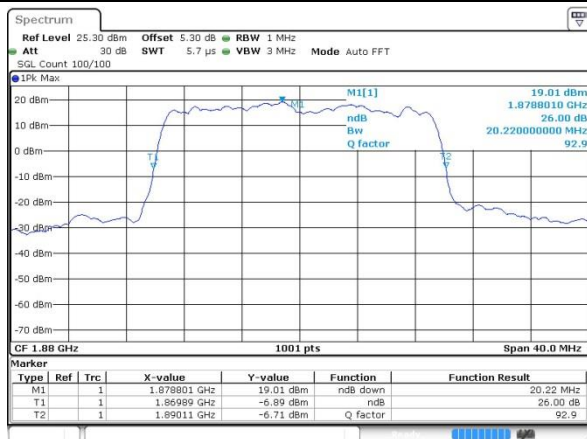
Date: 23 FEB 2019 22:19:56

Lowest Channel / 20MHz / 16QAM



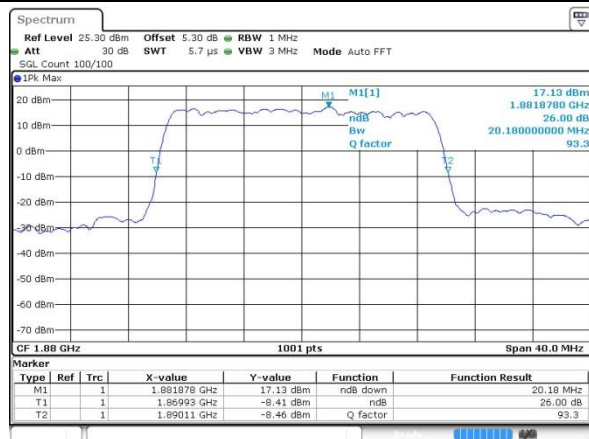
Date: 23 FEB 2019 22:20:25

Middle Channel / 20MHz / QPSK



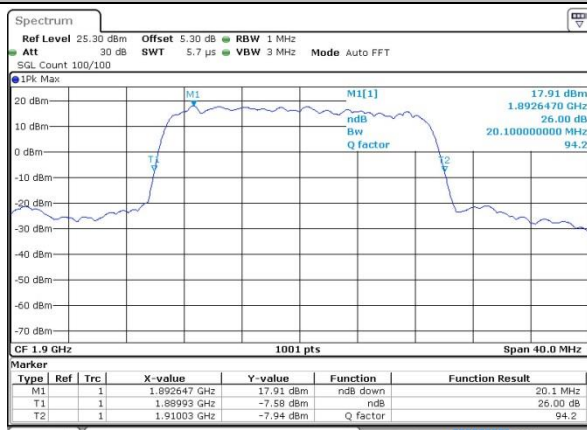
Date: 23 FEB 2019 22:17:26

Middle Channel / 20MHz / 16QAM



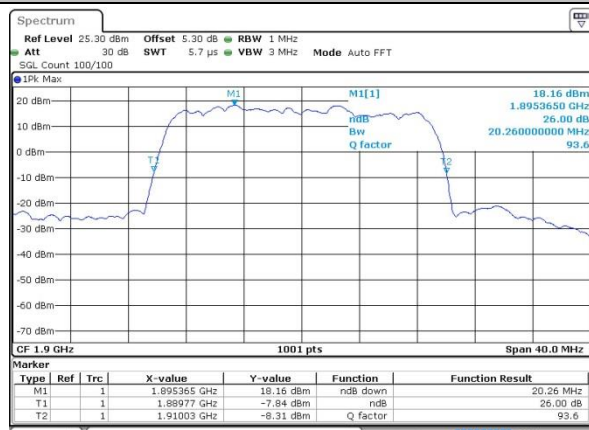
Date: 23 FEB 2019 22:17:50

Highest Channel / 20MHz / QPSK



Date: 23 FEB 2019 22:21:19

Highest Channel / 20MHz / 16QAM



Date: 23 FEB 2019 22:21:46