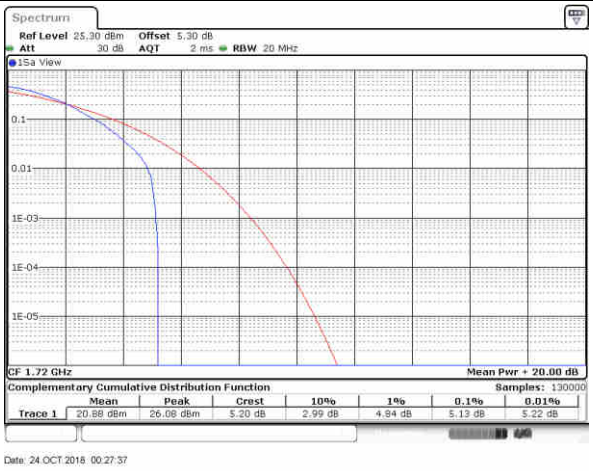
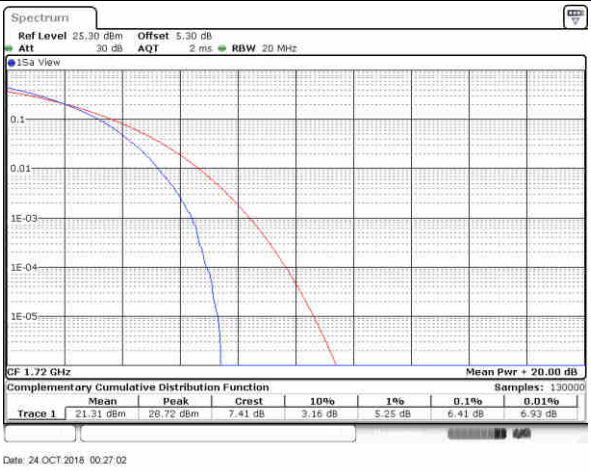
LTE Band 66 / 20MHz / 64QAM

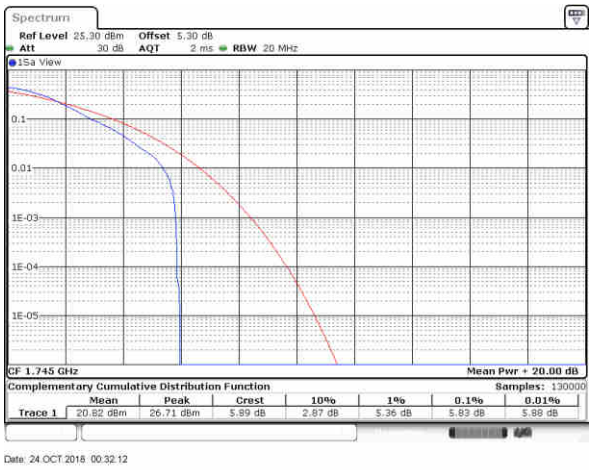
Lowest Channel / 1RB



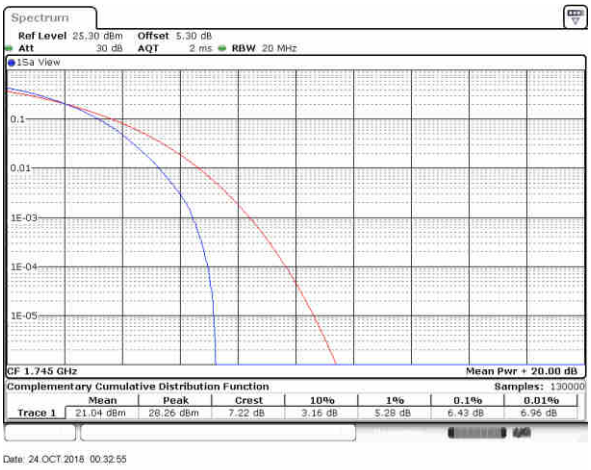
Lowest Channel / Full RB



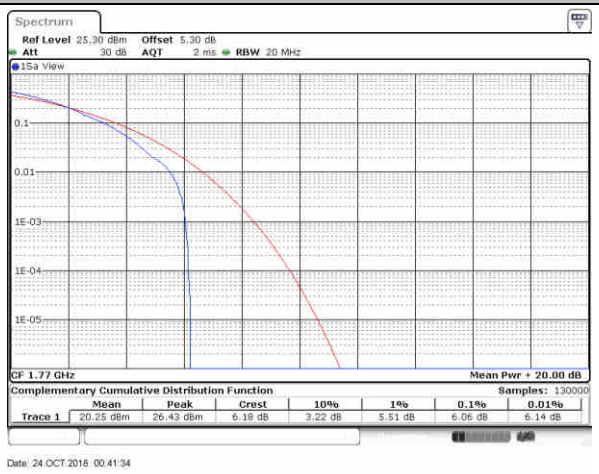
Middle Channel / 1RB



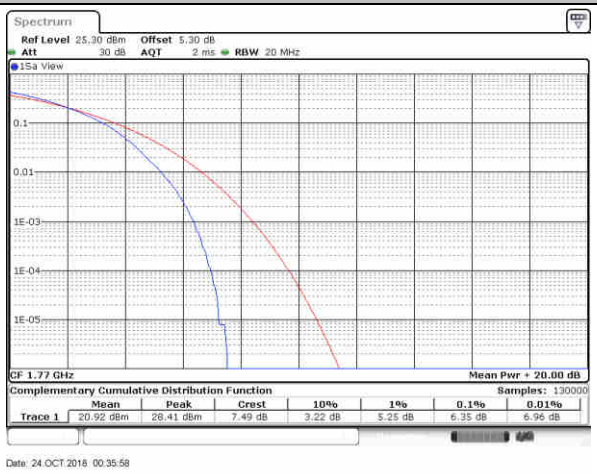
Middle Channel / Full RB



Highest Channel / 1RB

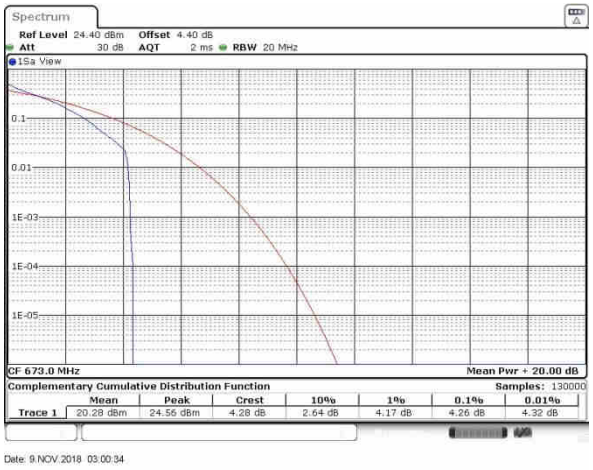


Highest Channel / Full RB



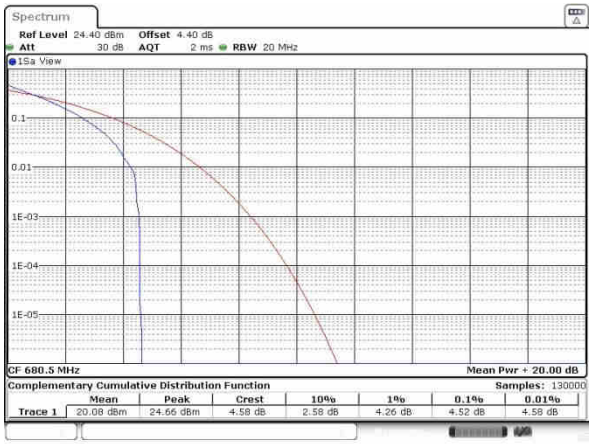
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB

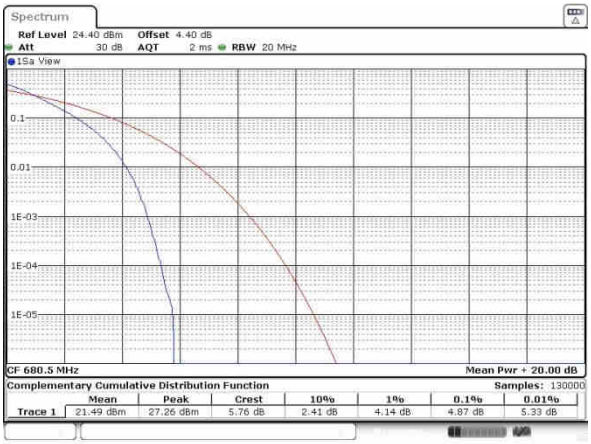


Lowest Channel / Full RB

Middle Channel / 1RB



Middle Channel / Full RB

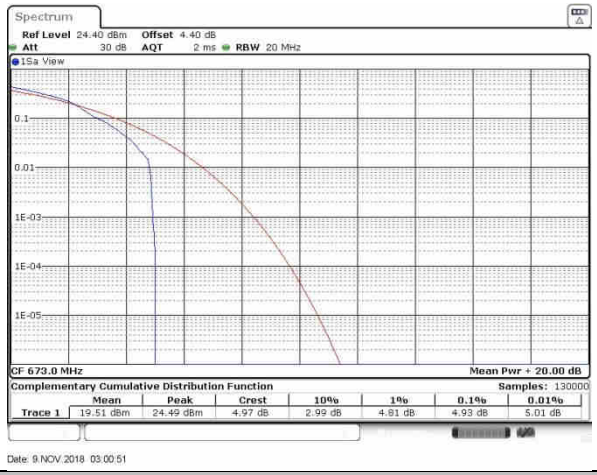


Highest Channel / 1RB

Highest Channel / Full RB

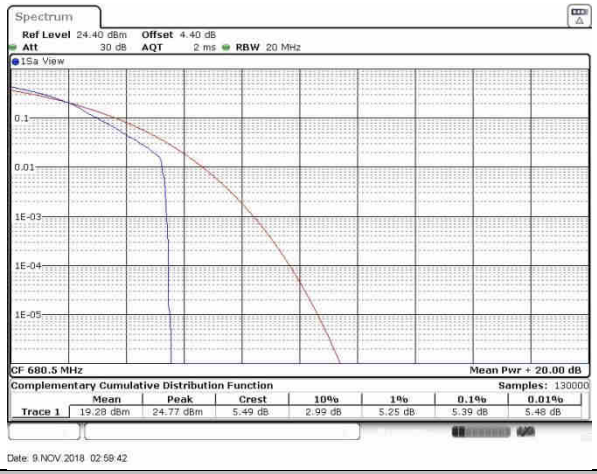
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



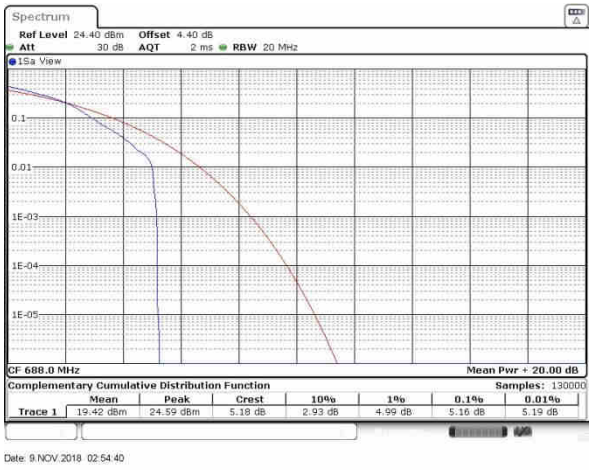
Lowest Channel / Full RB

Middle Channel / 1RB

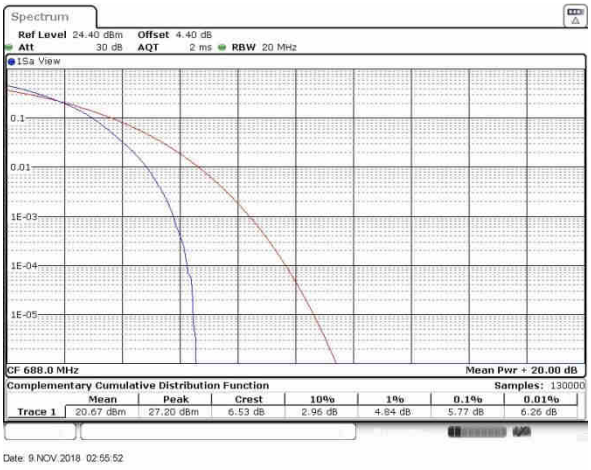


Middle Channel / Full RB

Highest Channel / 1RB

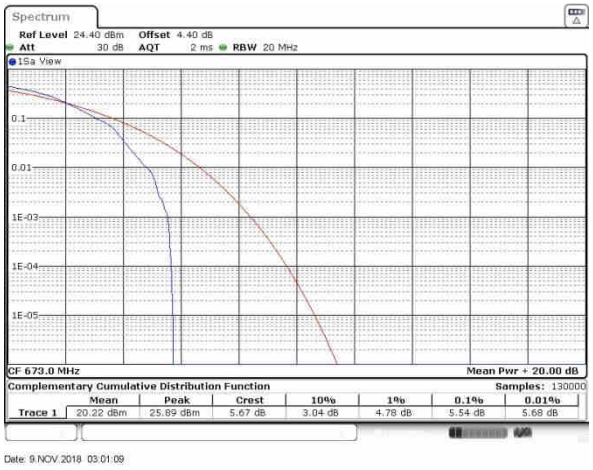


Highest Channel / Full RB



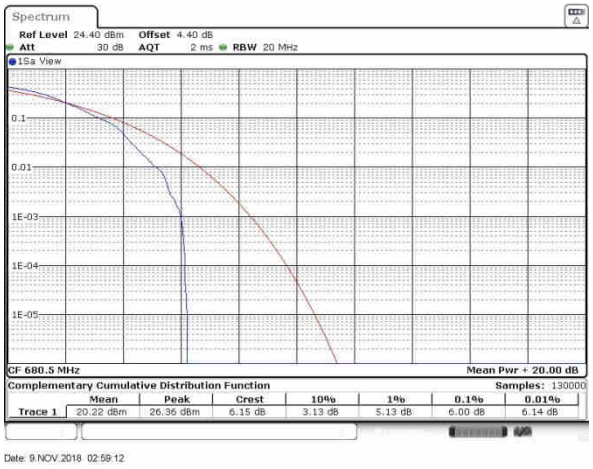
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



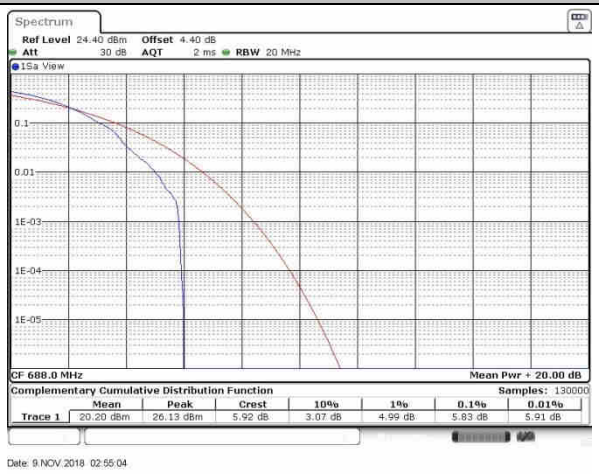
Lowest Channel / Full RB

Middle Channel / 1RB

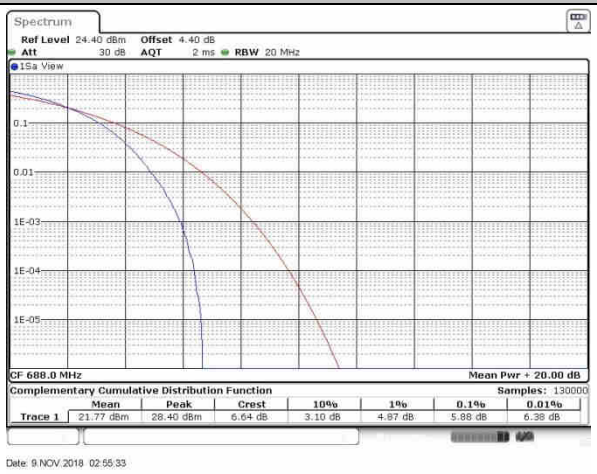


Middle Channel / Full RB

Highest Channel / 1RB



Highest Channel / Full RB



26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.905	4.945	9.77	9.67	14.356	14.266	20.22	20.3
Middle CH	4.945	4.865	9.83	9.87	14.505	14.326	20.22	20.22
Highest CH	4.995	4.955	9.63	9.97	14.535	14.176	20.1	20.14

Mode	LTE Band 7 : 26dB BW(MHz)			
BW	5MHz	10MHz	15MHz	20MHz
Mod.	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.875	10.11	14.625	20.14
Middle CH	4.955	9.83	14.206	20.22
Highest CH	4.875	10.03	14.565	20.38

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.29	1.253	2.973	3.021	4.915	4.915	9.83	9.71	1.2699	2.991	4.925	9.79
Middle CH	1.281	1.278	2.985	2.985	4.905	4.915	9.91	9.77	1.2727	3.021	4.815	9.75
Highest CH	1.245	1.284	3.021	2.997	5.025	4.905	9.71	9.97	1.2811	2.991	4.955	9.81

Mode	LTE Band 13 : 26dB BW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM
Lowest CH	-	-	-	-	4.915	4.865	-	-	4.835	-
Middle CH	-	-	-	-	4.845	5.005	9.73	9.69	4.895	9.75
Highest CH	-	-	-	-	4.935	4.875	-	-	4.965	-

Mode	LTE Band 25 : 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	1.292	1.267	3.015	3.003	4.985	4.815	9.89	9.87	14.625	14.386	20.14	20.18
Middle CH	1.29	1.29	3.039	3.033	4.865	4.895	9.79	9.85	14.206	14.655	20.26	19.94
Highest CH	1.27	1.292	2.991	3.009	4.955	4.945	9.73	9.89	14.446	14.326	20.18	20.06
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2867		3.021		5.015		9.81		14.565		20.42	
Middle CH	1.2727		3.045		4.875		9.95		14.356		20.14	
Highest CH	1.2923		3.003		4.875		9.79		14.476		20.02	

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.267	1.281	3.027	3.039	4.935	4.855	9.81	9.99	14.266	14.505	14.296	14.356
Middle CH	1.264	1.284	2.973	3.015	4.985	4.925	9.65	9.87	14.266	14.296	-	-
Highest CH	1.278	1.27	3.027	3.009	4.955	4.925	9.79	9.89	14.296	14.326	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2671		3.021		4.835		9.81		14.745		14.476	
Middle CH	1.2811		3.009		4.945		9.73		14.356		-	
Highest CH	1.2336		3.021		4.935		9.91		14.326		-	

Mode	LTE Band 41 : 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	-	-	-	-	5.005	4.785	9.75	9.61	14.146	14.266	20.14	20.14
Middle CH	-	-	-	-	4.935	4.855	9.67	9.63	14.326	14.296	20.14	20.14
Highest CH	-	-	-	-	4.875	4.725	10.03	9.63	14.146	14.266	20.18	20.14
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.785		10.01		14.476		20.22	
Middle CH	-		-		4.845		9.89		14.446		20.22	
Highest CH	-		-		4.955		9.73		14.386		20.02	

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	1.27	1.287	2.985	2.985	4.835	4.835	9.73	9.99	14.476	14.595	20.22	20.34
Middle CH	1.276	1.253	2.973	3.039	4.895	4.835	9.75	9.69	14.146	14.595	20.14	20.18
Highest CH	1.306	1.312	3.027	2.961	4.945	5.015	9.97	9.87	14.476	14.386	20.26	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	1.3119		3.003		4.995		9.85		14.505		20.3	
Middle CH	1.2811		3.039		4.915		9.75		14.356		20.42	
Highest CH	1.2979		2.997		4.975		9.87		14.476		20.18	

Mode	LTE Band 71 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.005	4.875	9.77	9.75	14.655	14.326	20.14	20.14
Middle CH	4.815	4.905	9.73	9.85	14.595	14.715	20.22	20.18
Highest CH	4.905	4.895	9.79	9.93	14.446	14.416	20.18	20.14
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM	
Lowest CH	5.025		9.65		14.146		20.3	
Middle CH	4.885		10.05		14.236		20.34	
Highest CH	4.965		9.73		14.386		20.38	

For CA:

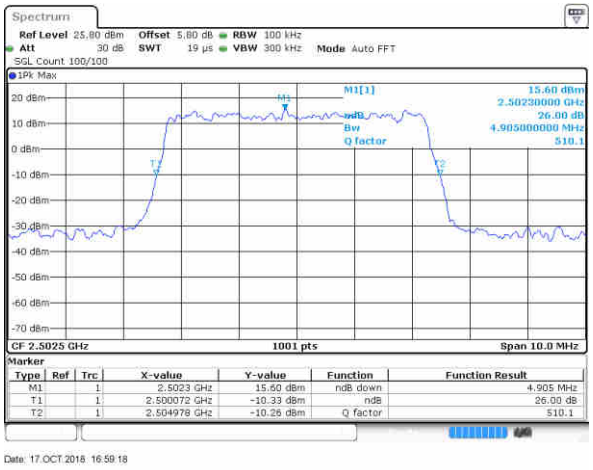
Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.975	25.375	30.03	25.475	30.569
Middle CH	25.075	25.475	29.91	25.475	30.569
Highest CH	24.925	25.325	29.79	25.425	30.749
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	25.125	30.27	35.035	39.72
Middle CH	34.965	25.225	30.09	35.035	39.88
Highest CH	34.895	25.175	30.03	34.895	39.96

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.975	25.375	29.91	25.524	30.689
Middle CH	24.925	25.475	29.91	25.475	30.689
Highest CH	24.825	25.325	29.97	25.275	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895	25.225	30.21	34.895	39.72
Middle CH	34.895	25.075	29.91	35.035	39.80
Highest CH	34.615	25.125	30.03	34.895	39.80

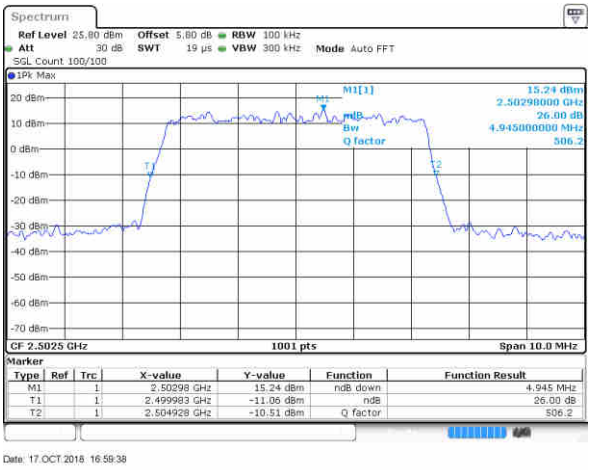
Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.975	25.325	29.91	25.574	30.689
Middle CH	24.975	25.375	30.03	25.475	30.569
Highest CH	24.925	25.375	29.91	25.425	30.509
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.965	25.025	29.97	34.965	39.88
Middle CH	34.895	25.125	30.21	34.965	39.80
Highest CH	34.825	25.075	29.97	34.895	39.80

LTE Band 7

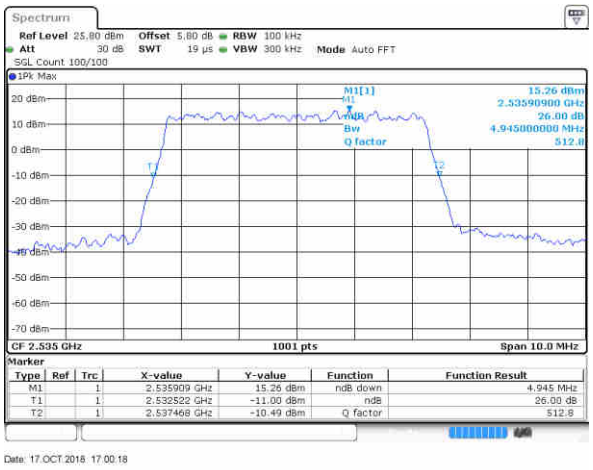
Lowest Channel / 5MHz / QPSK



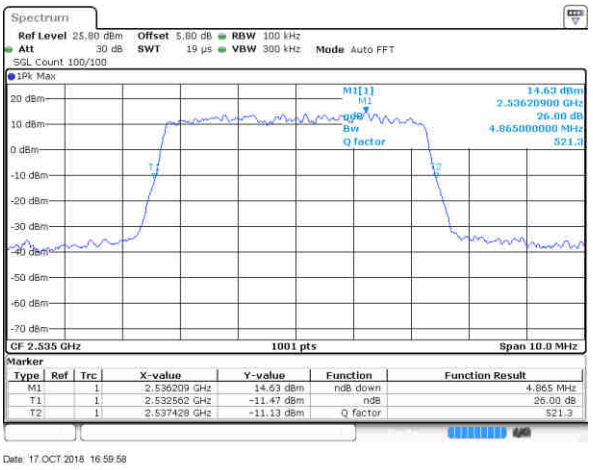
Lowest Channel / 5MHz / 16QAM



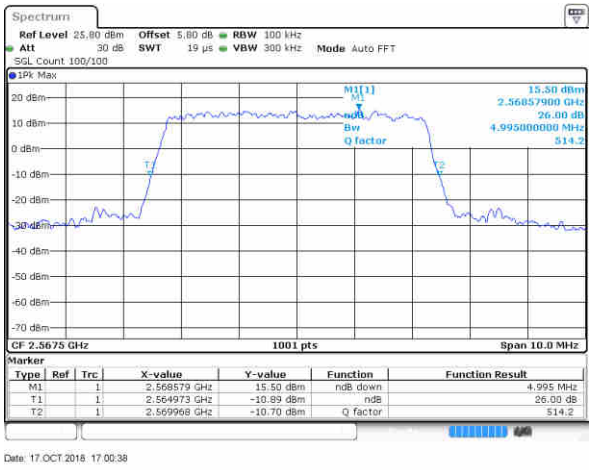
Middle Channel / 5MHz / QPSK



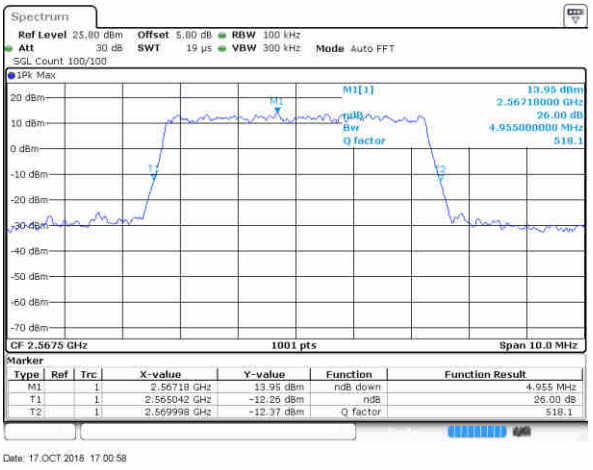
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

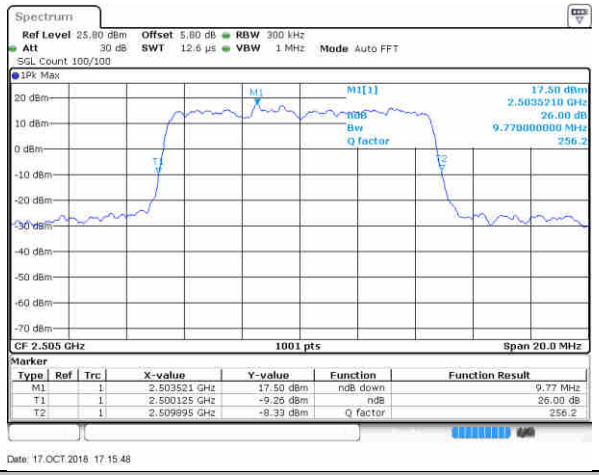


Highest Channel / 5MHz / 16QAM

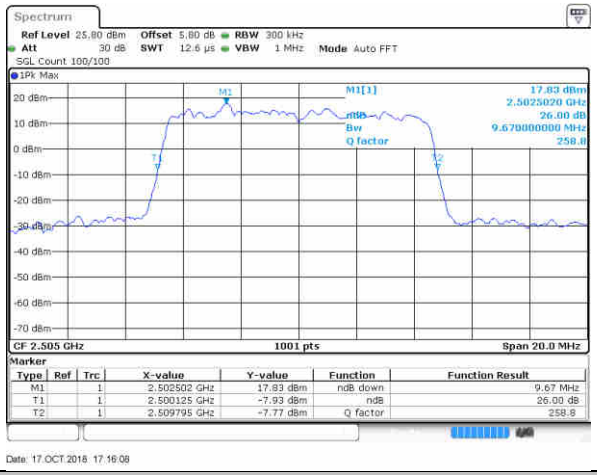


LTE Band 7

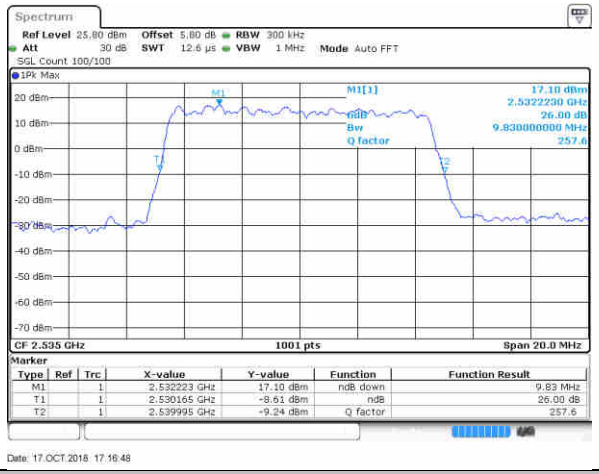
Lowest Channel / 10MHz / QPSK



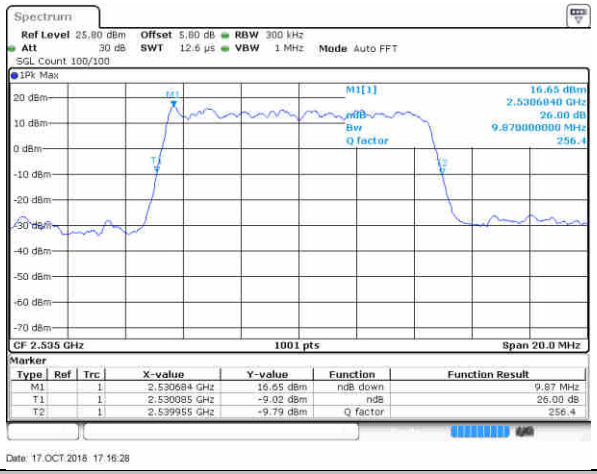
Lowest Channel / 10MHz / 16QAM



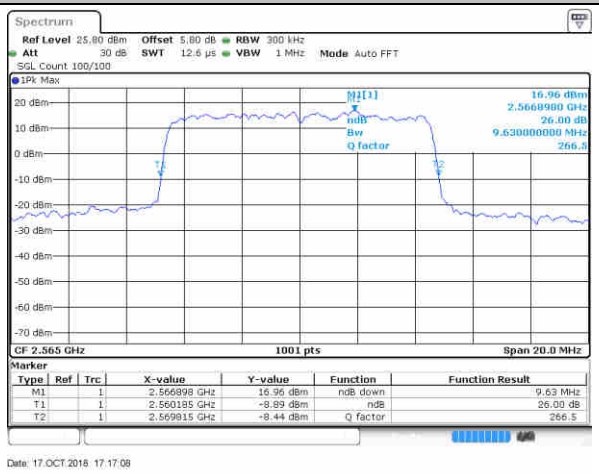
Middle Channel / 10MHz / QPSK



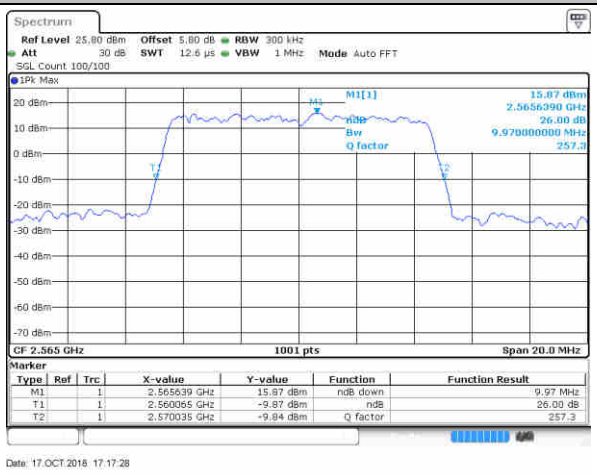
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

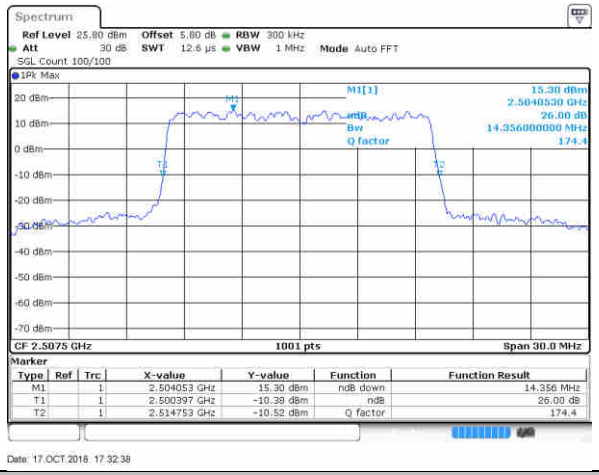


Highest Channel / 10MHz / 16QAM

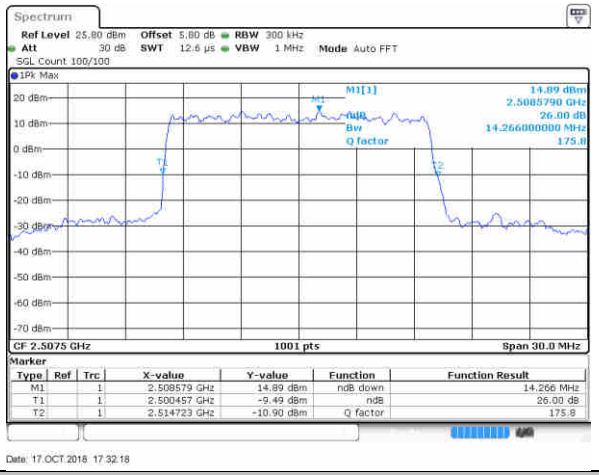


LTE Band 7

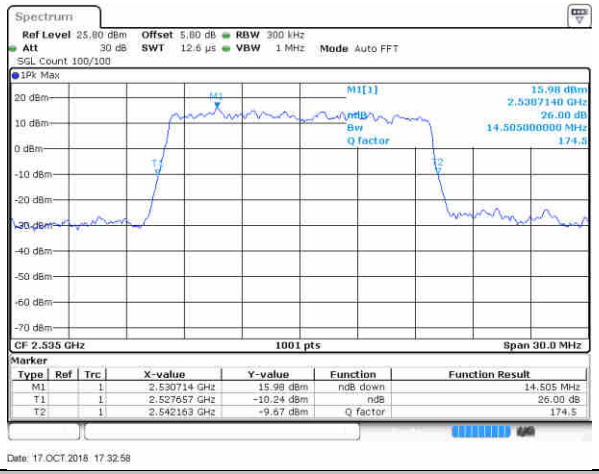
Lowest Channel / 15MHz / QPSK



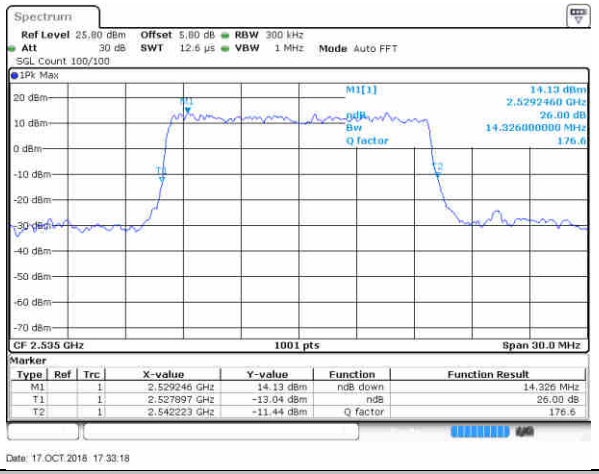
Lowest Channel / 15MHz / 16QAM



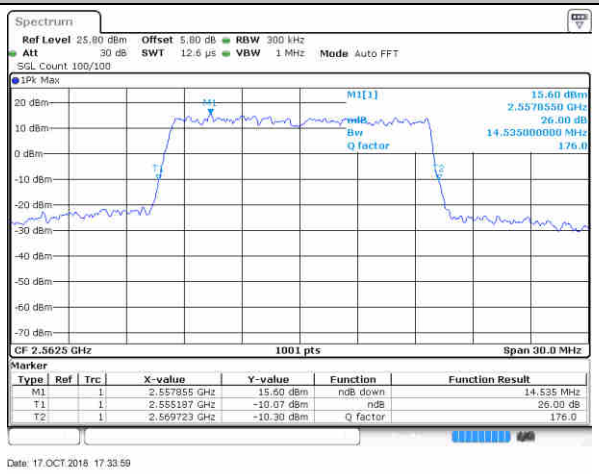
Middle Channel / 15MHz / QPSK



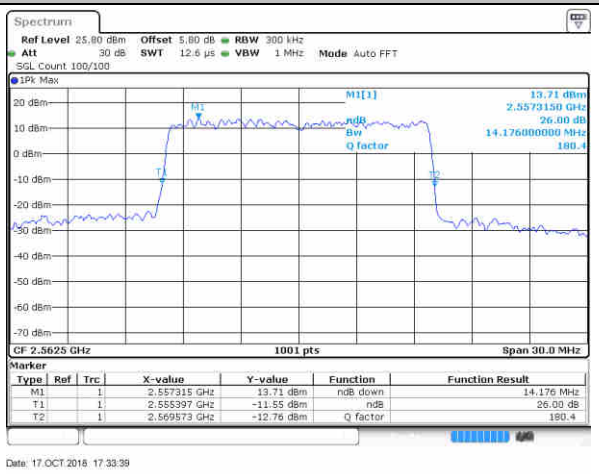
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

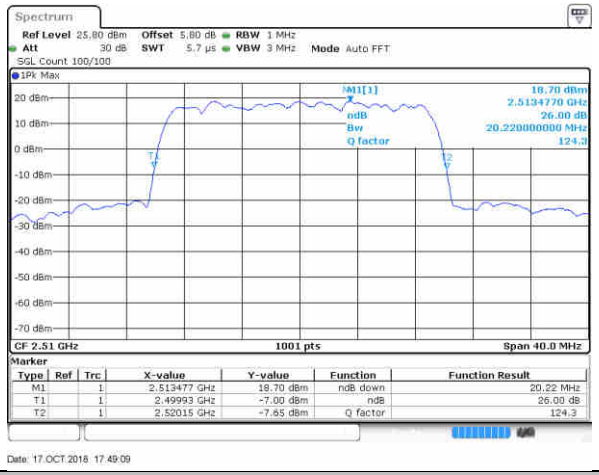


Highest Channel / 15MHz / 16QAM

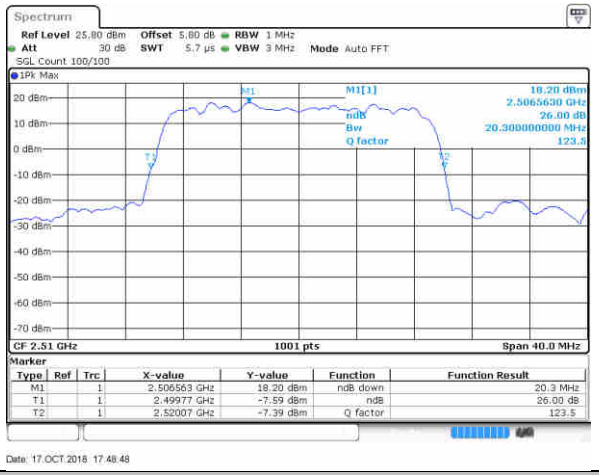


LTE Band 7

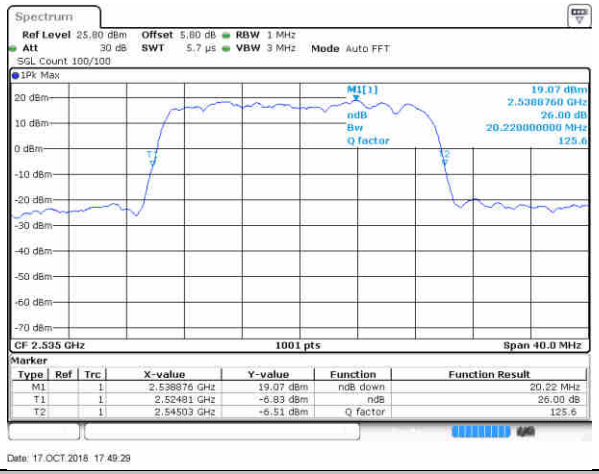
Lowest Channel / 20MHz / QPSK



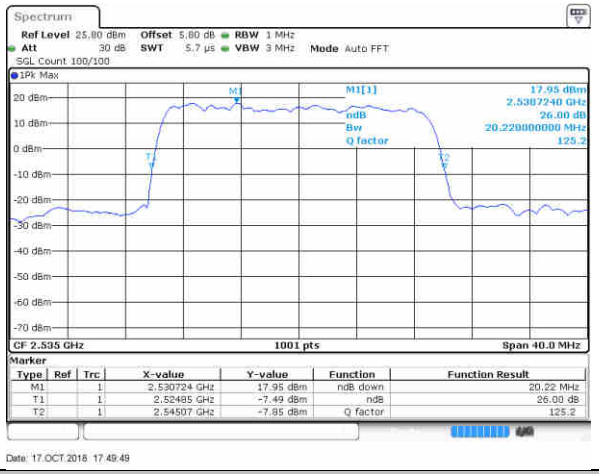
Lowest Channel / 20MHz / 16QAM



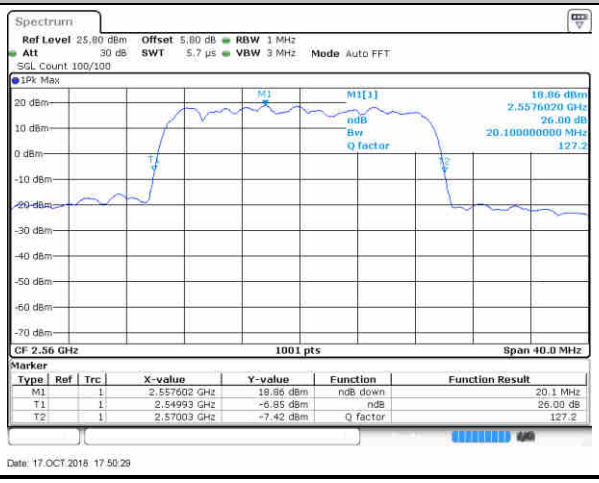
Middle Channel / 20MHz / QPSK



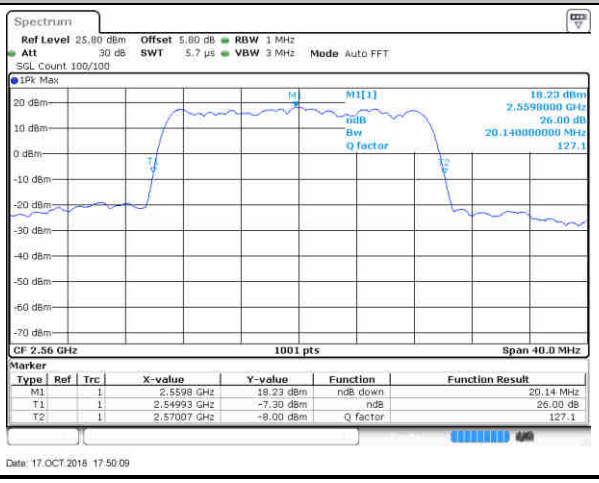
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

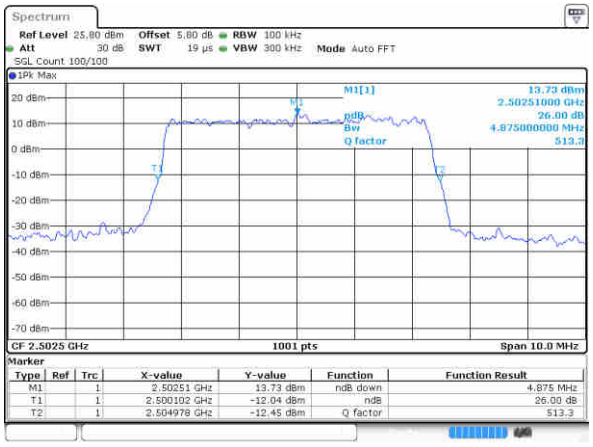


Highest Channel / 20MHz / 16QAM

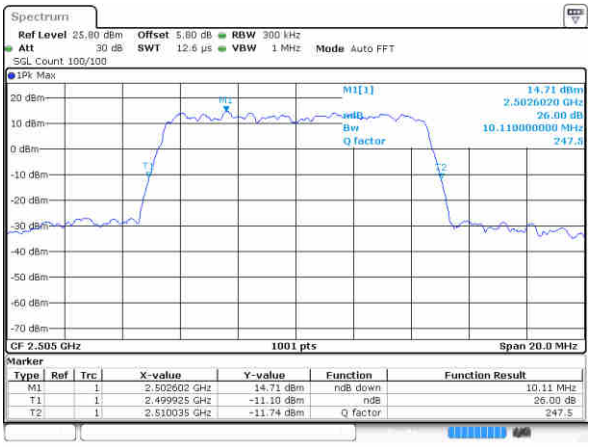


LTE Band 7

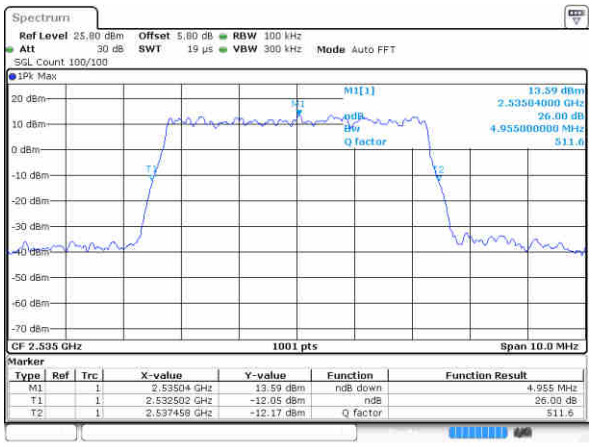
Lowest Channel / 5MHz / 64QAM



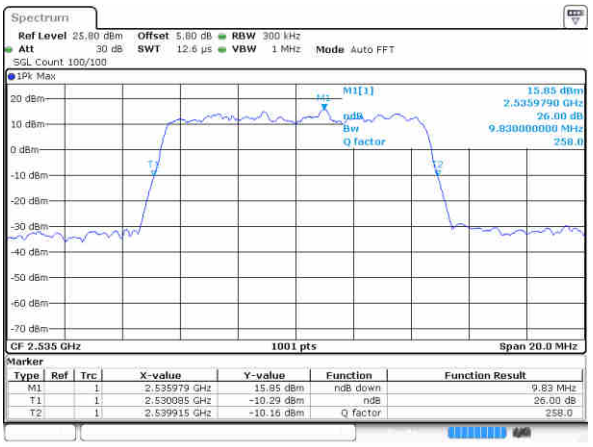
Lowest Channel / 10MHz / 64QAM



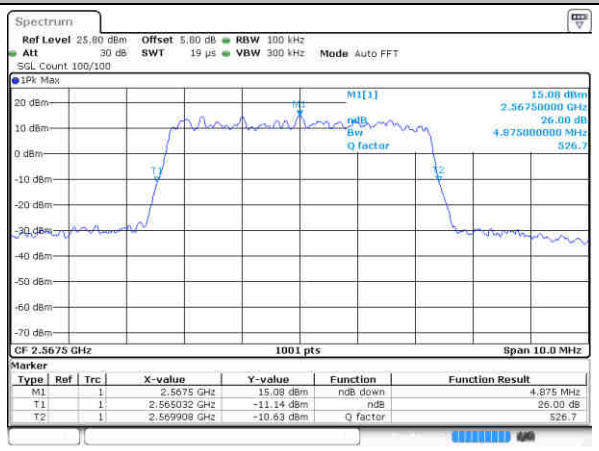
Middle Channel / 5MHz / 64QAM



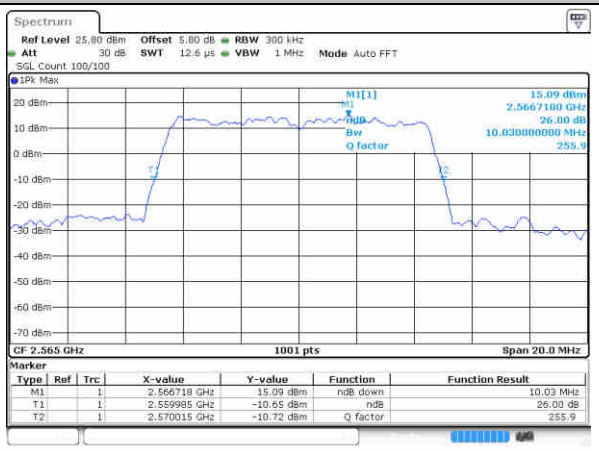
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

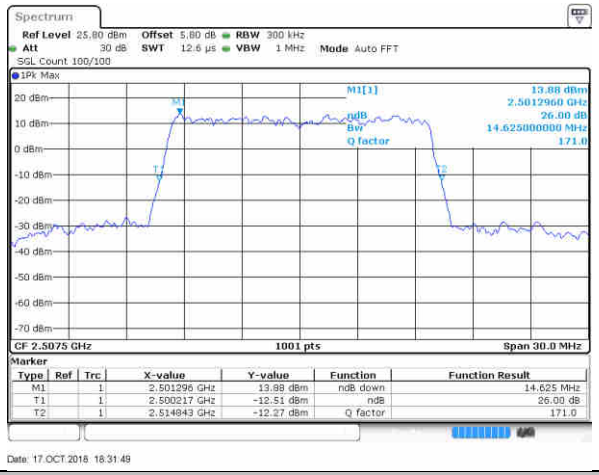


Highest Channel / 10MHz / 64QAM

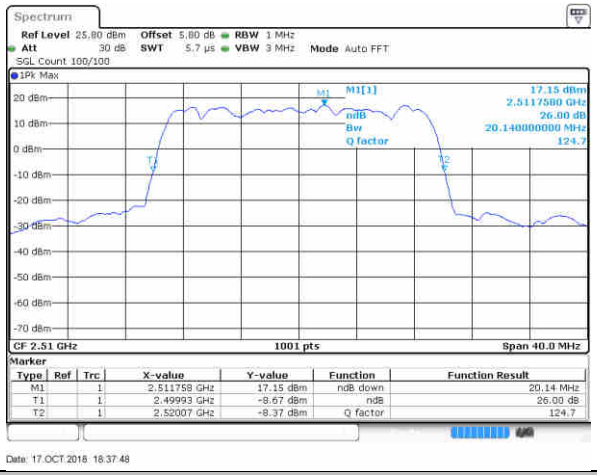


LTE Band 7

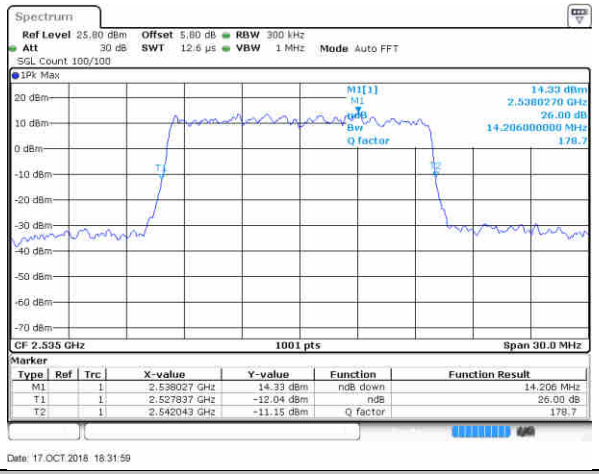
Lowest Channel / 15MHz / 64QAM



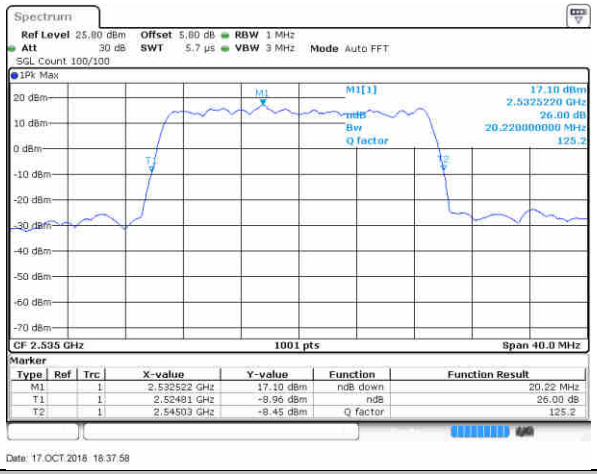
Lowest Channel / 20MHz / 64QAM



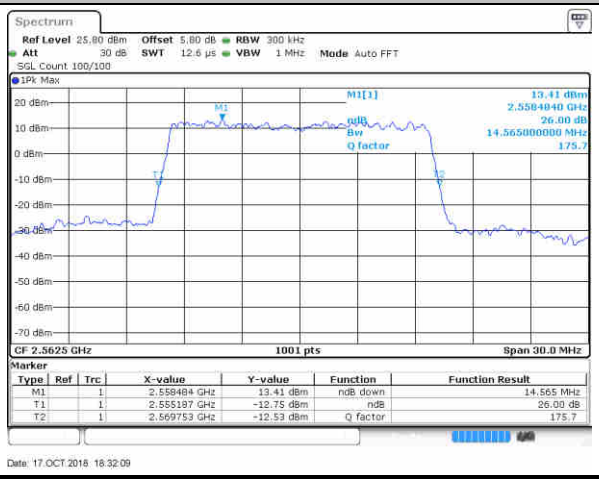
Middle Channel / 15MHz / 64QAM



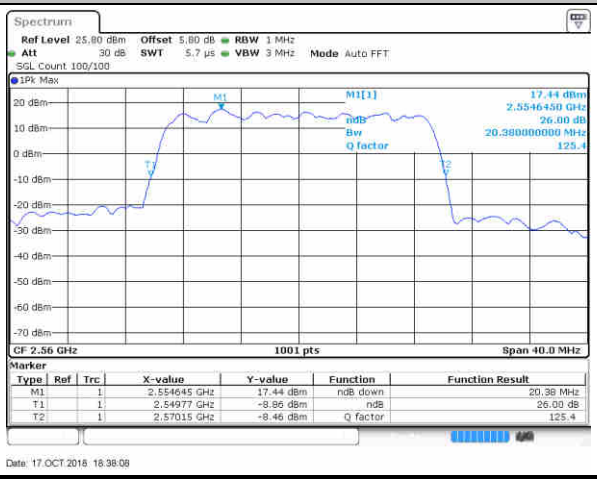
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

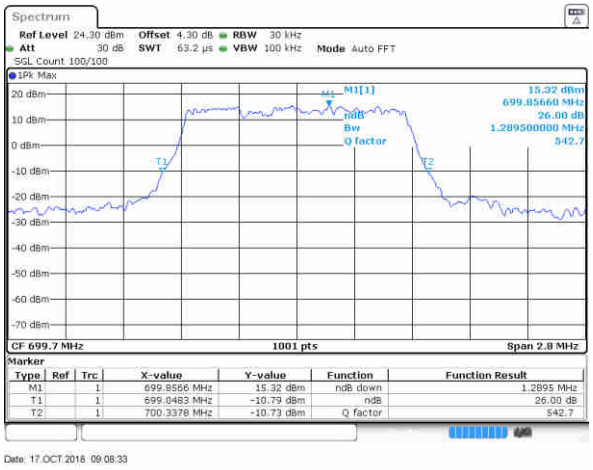


Highest Channel / 20MHz / 64QAM

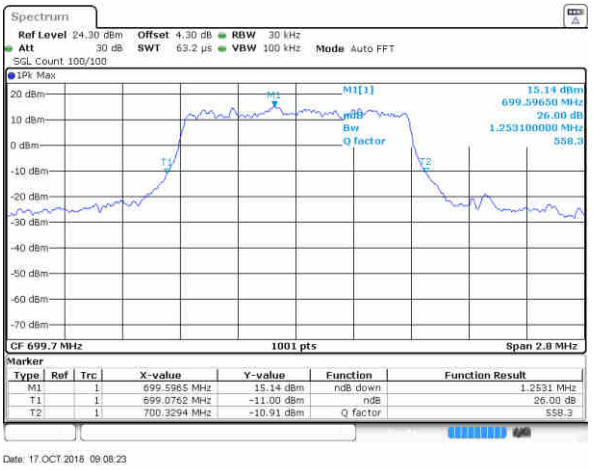


LTE Band 12

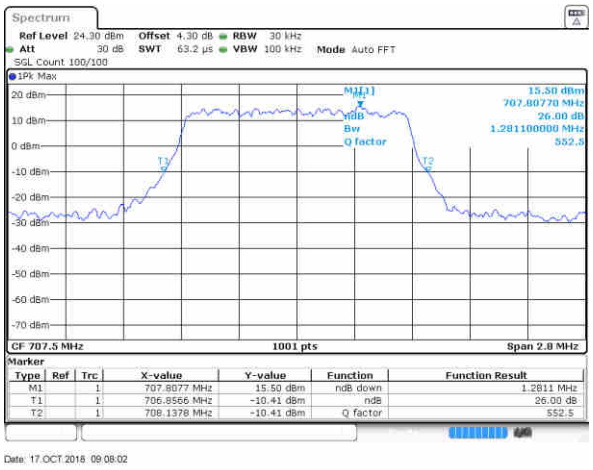
Lowest Channel / 1.4MHz / QPSK



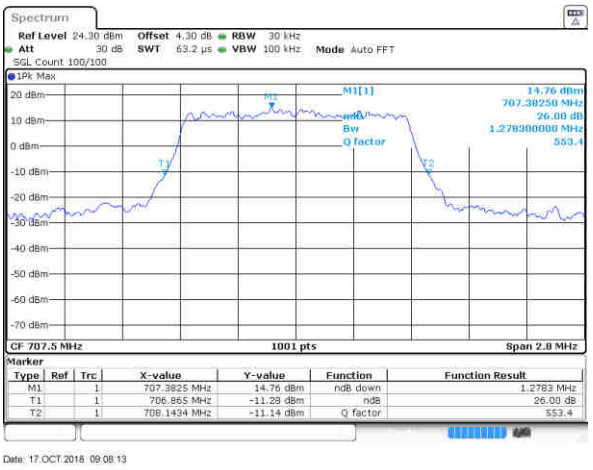
Lowest Channel / 1.4MHz / 16QAM



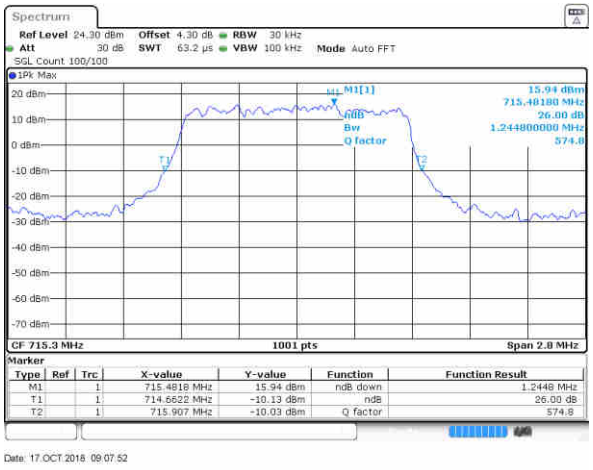
Middle Channel / 1.4MHz / QPSK



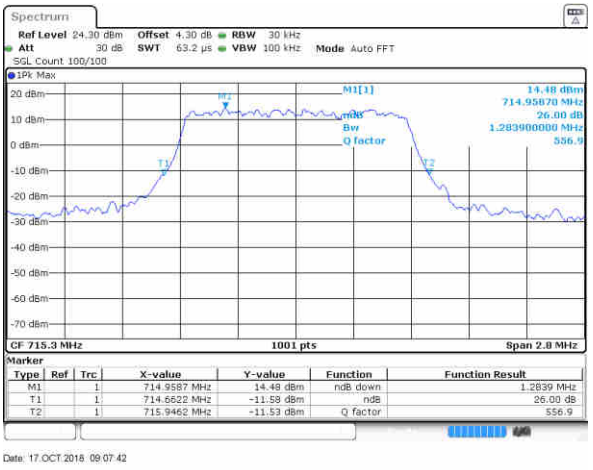
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

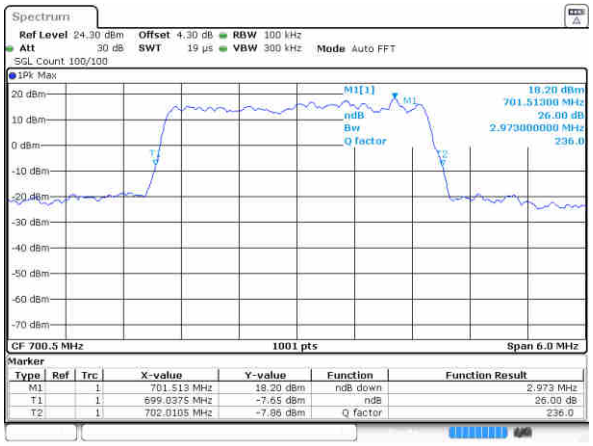


Highest Channel / 1.4MHz / 16QAM

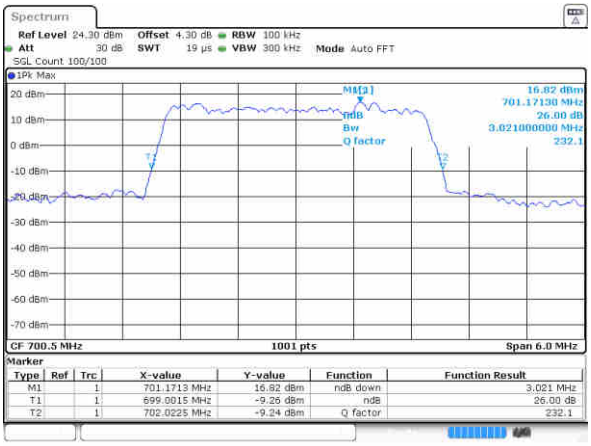


LTE Band 12

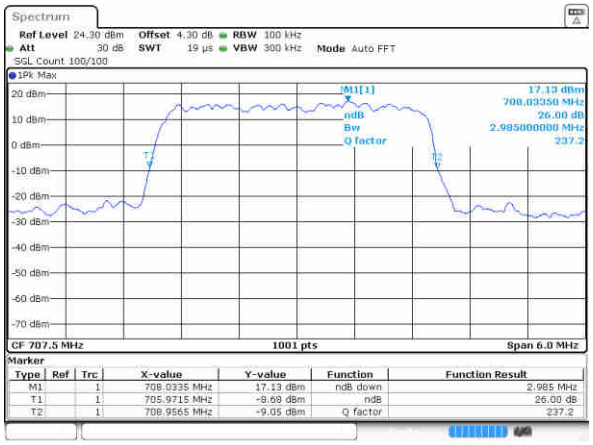
Lowest Channel / 3MHz / QPSK



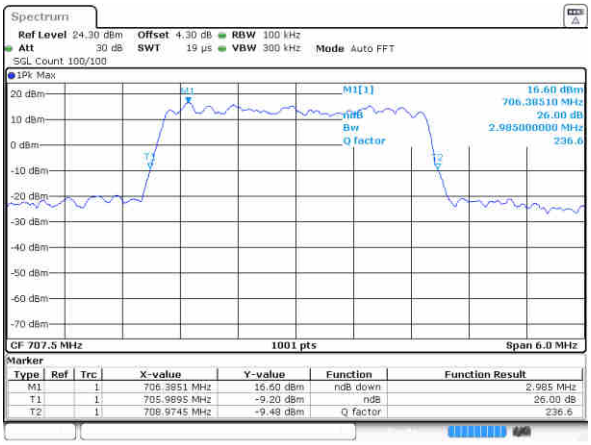
Lowest Channel / 3MHz / 16QAM



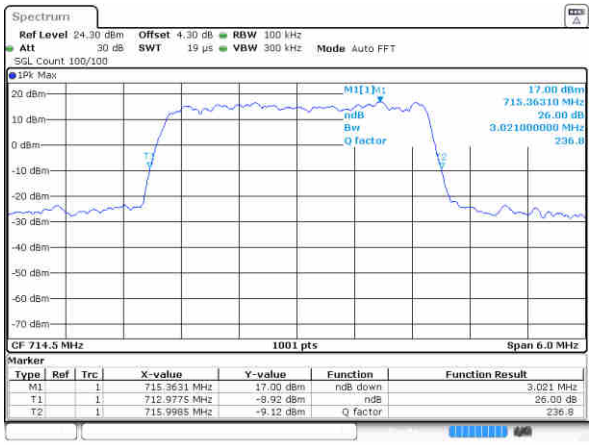
Middle Channel / 3MHz / QPSK



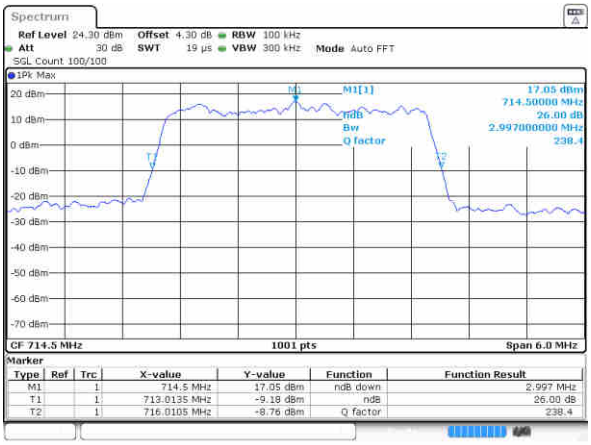
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

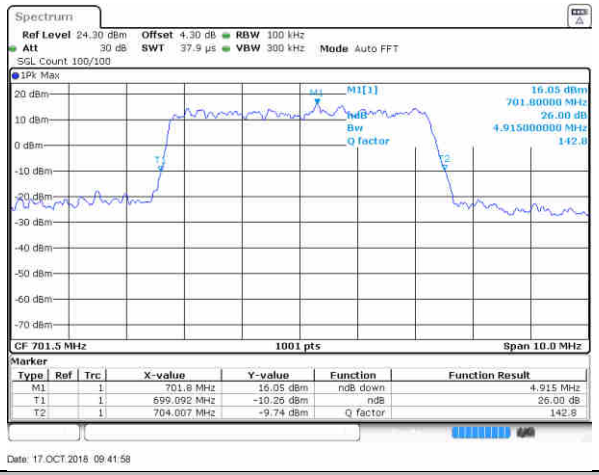


Highest Channel /3MHz / 16QAM

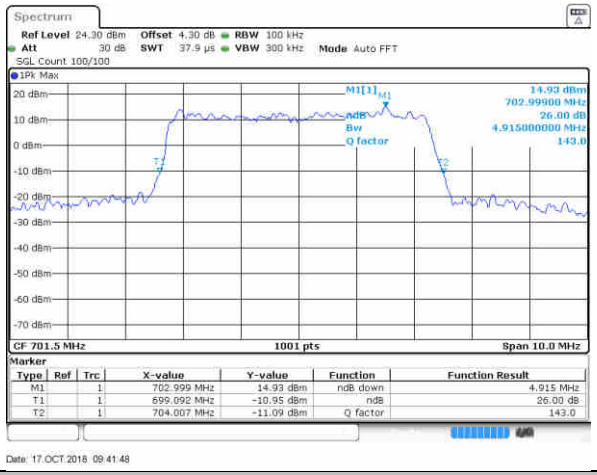


LTE Band 12

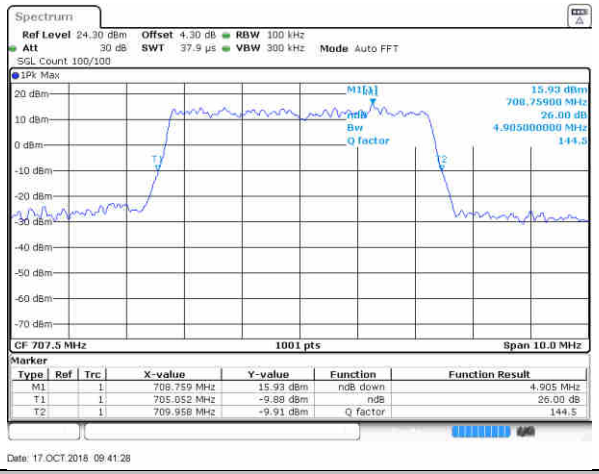
Lowest Channel / 5MHz / QPSK



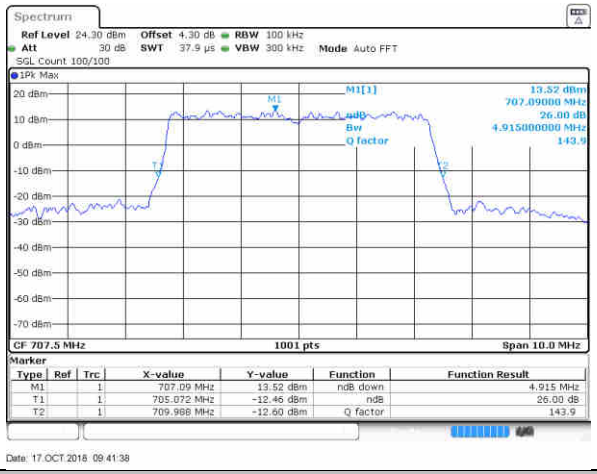
Lowest Channel / 5MHz / 16QAM



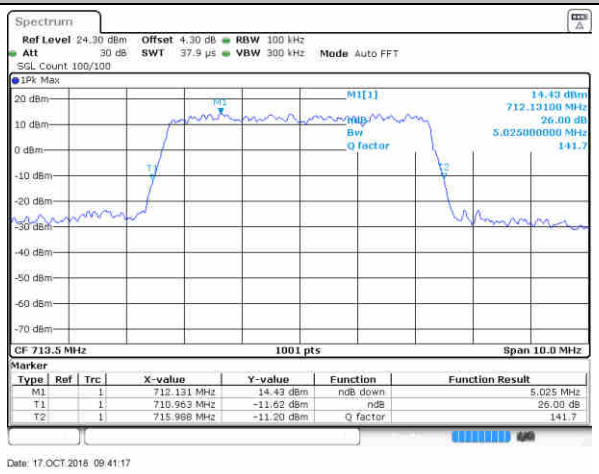
Middle Channel / 5MHz / QPSK



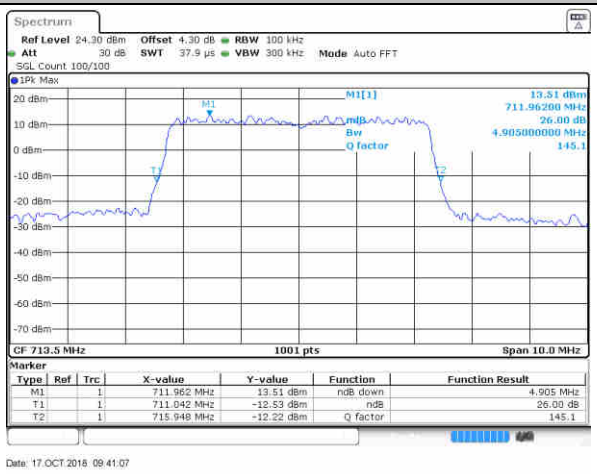
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

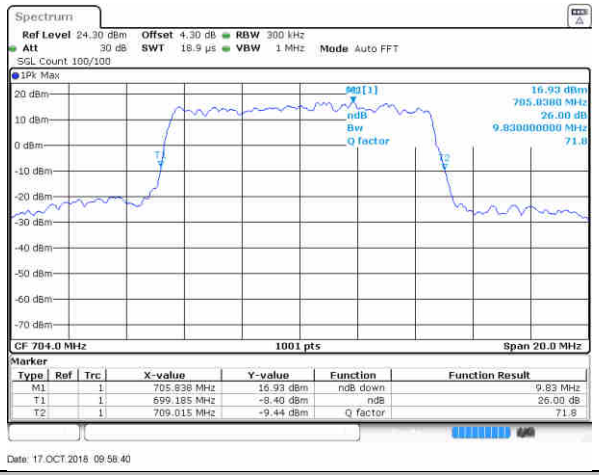


Highest Channel / 5MHz / 16QAM

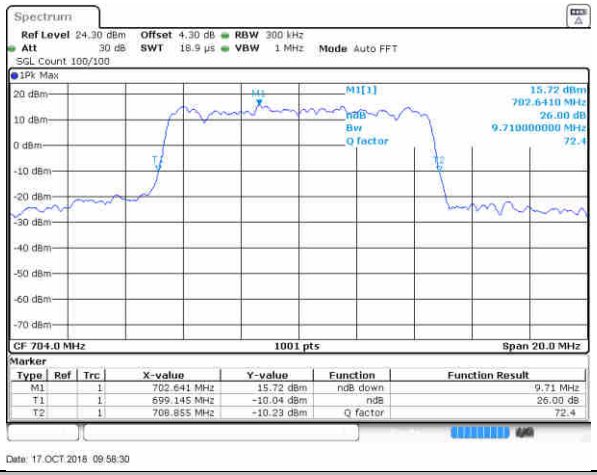


LTE Band 12

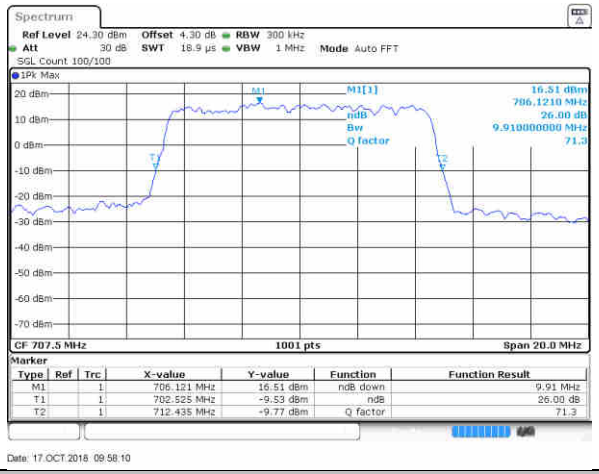
Lowest Channel / 10MHz / QPSK



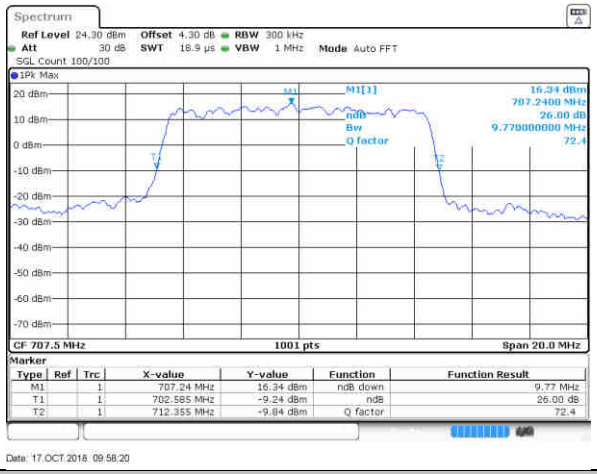
Lowest Channel / 10MHz / 16QAM



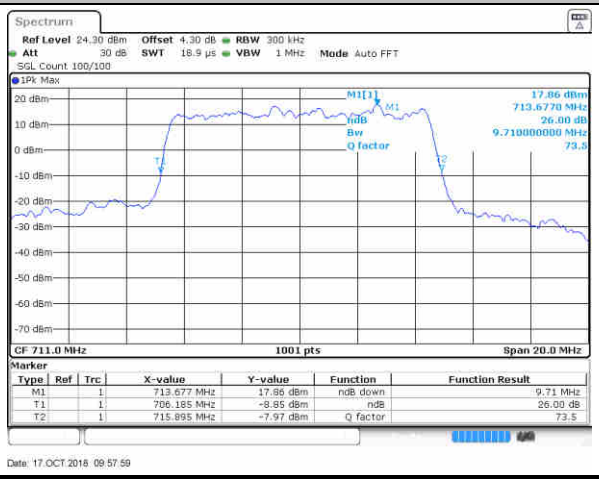
Middle Channel / 10MHz / QPSK



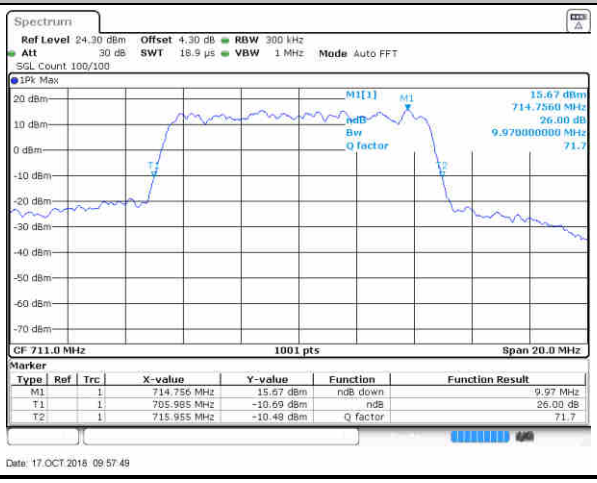
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

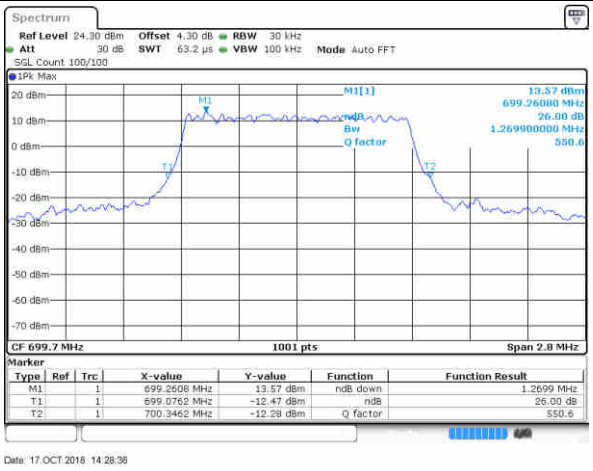


Highest Channel / 10MHz / 16QAM

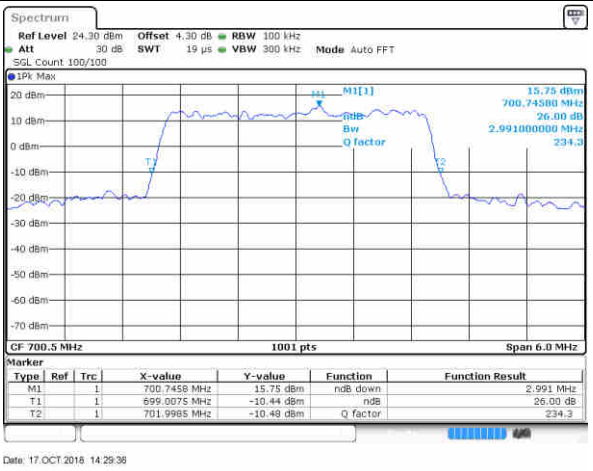


LTE Band 12

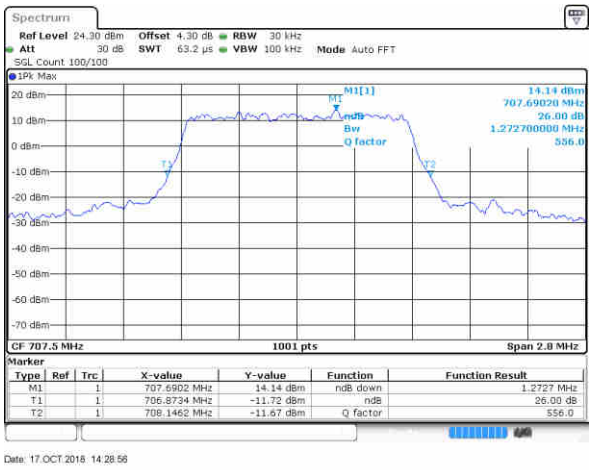
Lowest Channel / 1.4MHz / 64QAM



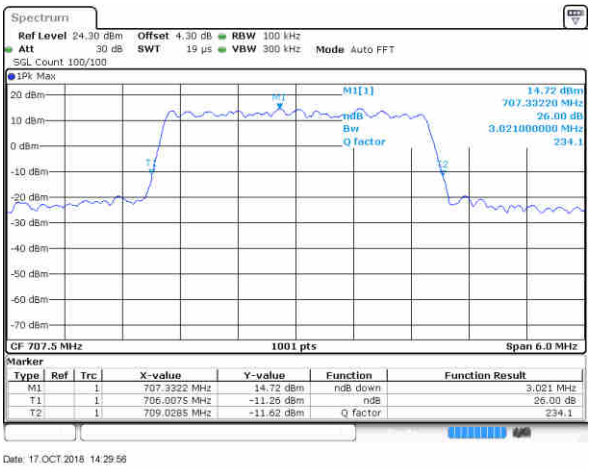
Lowest Channel / 3MHz / 64QAM



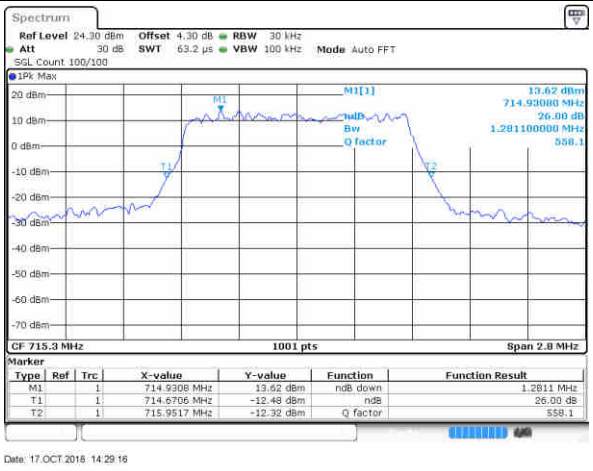
Middle Channel / 1.4MHz / 64QAM



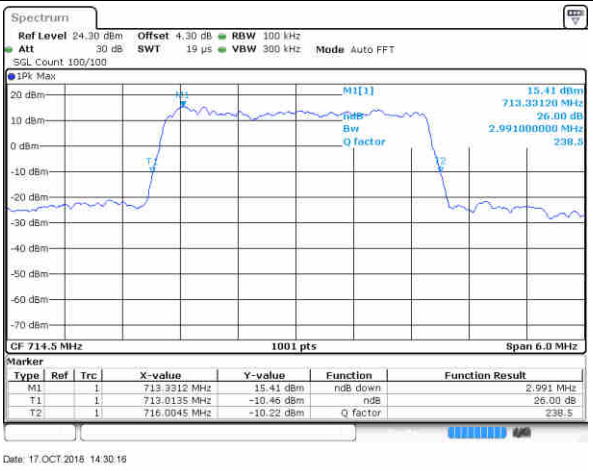
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

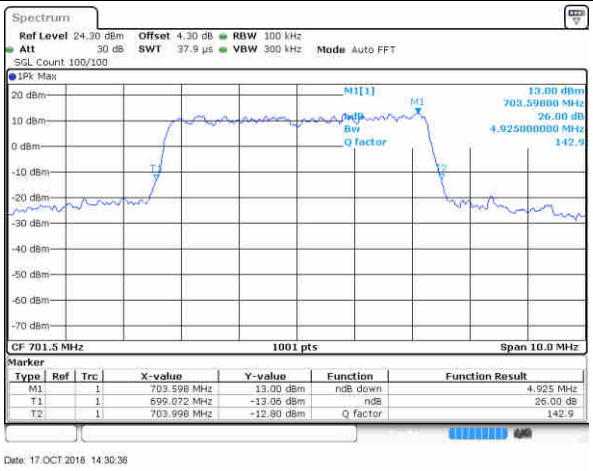


Highest Channel / 3MHz / 64QAM

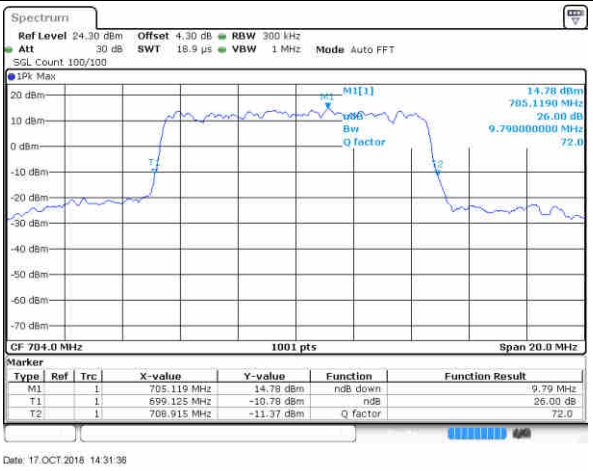


LTE Band 12

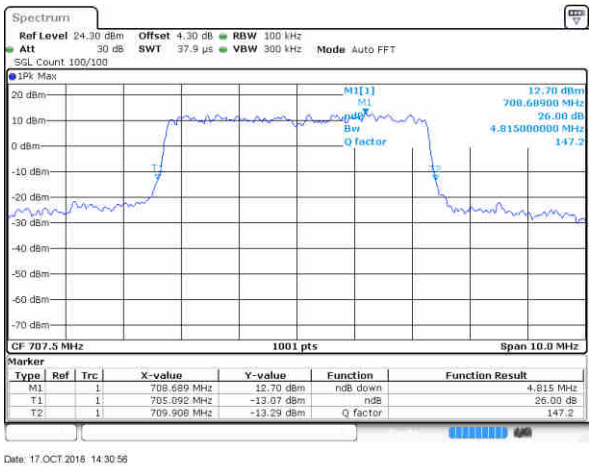
Lowest Channel / 5MHz / 64QAM



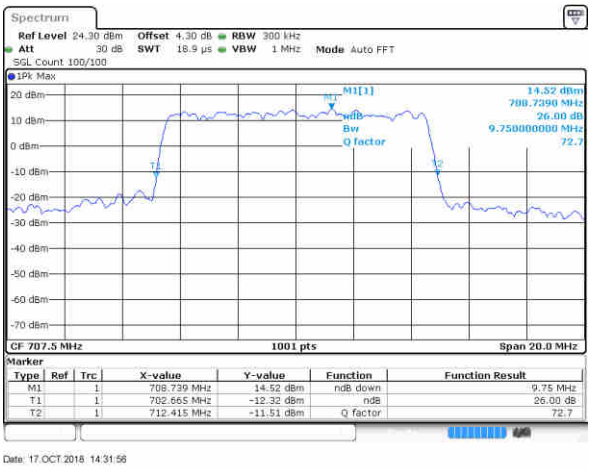
Lowest Channel / 10MHz / 64QAM



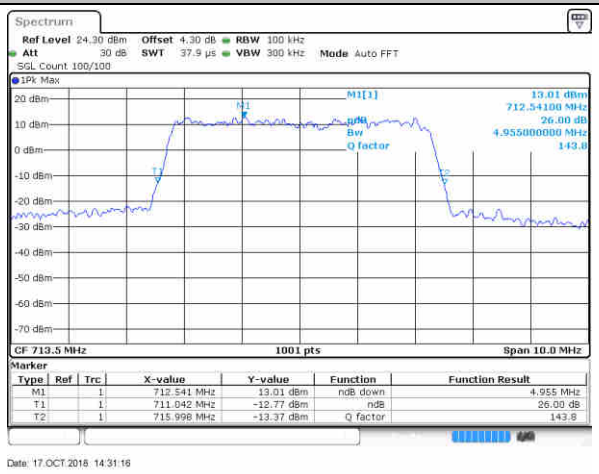
Middle Channel / 5MHz / 64QAM



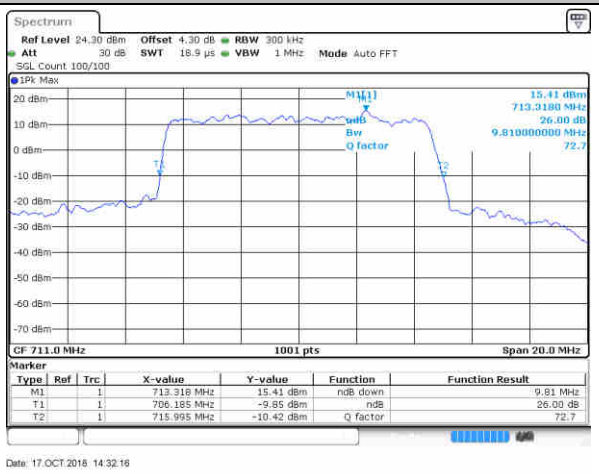
Middle Channel /10MHz / 64QAM



Highest Channel /5MHz / 64QAM

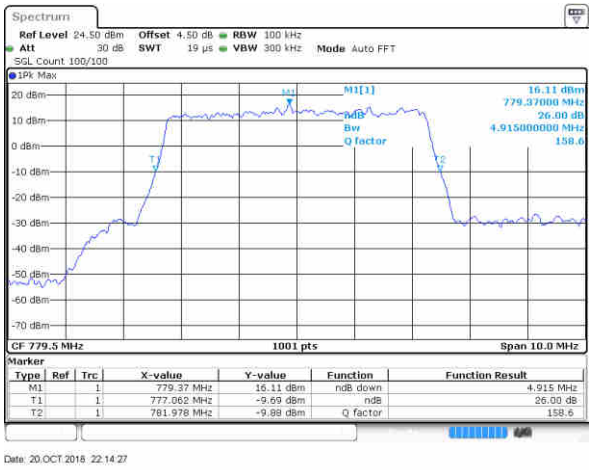


Highest Channel /10MHz / 64QAM

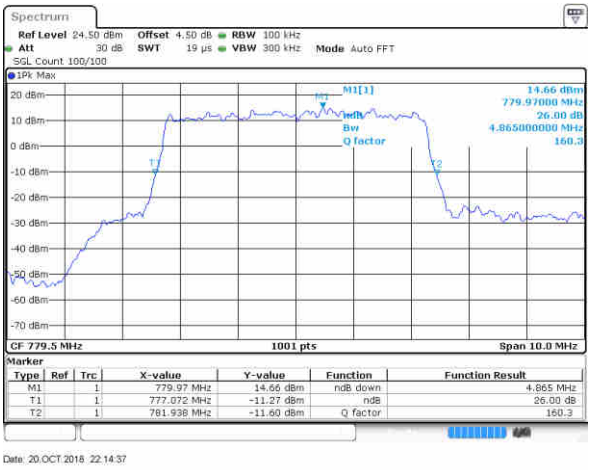


LTE Band 13

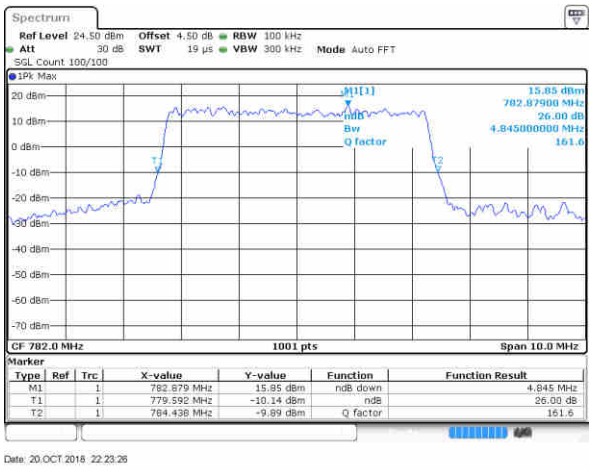
Lowest Channel / 5MHz / QPSK



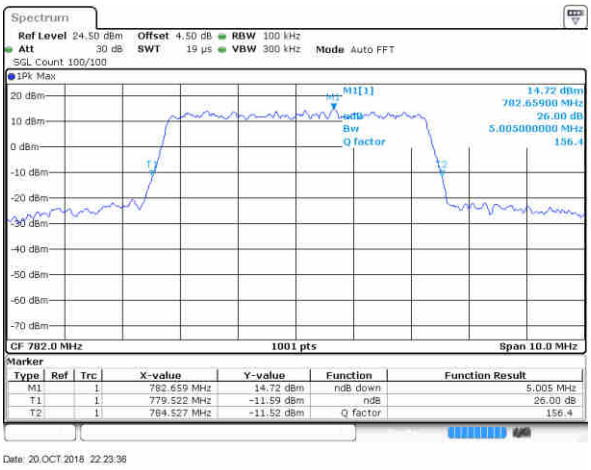
Lowest Channel / 5MHz / 16QAM



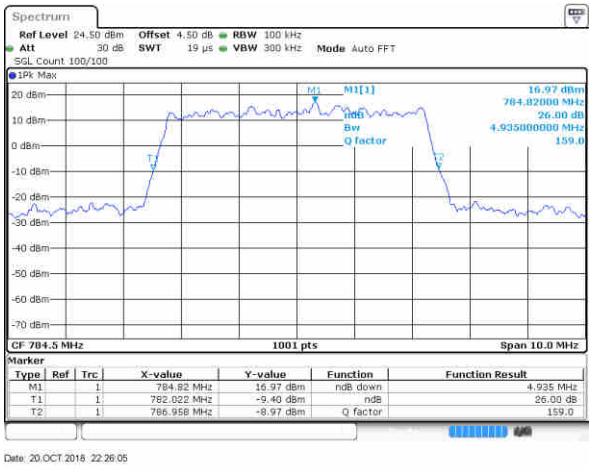
Middle Channel / 5MHz / QPSK



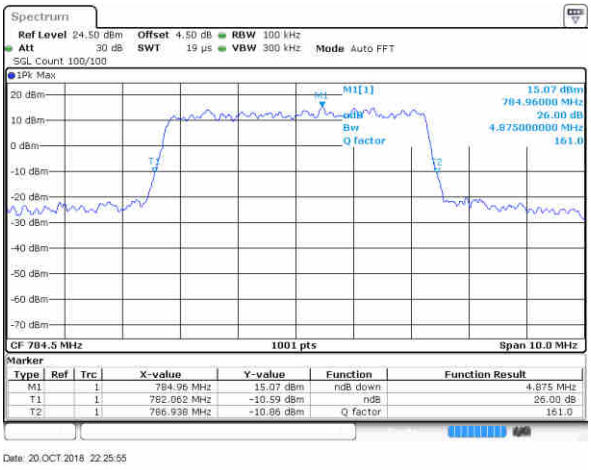
Middle Channel / 5MHz / 16QAM

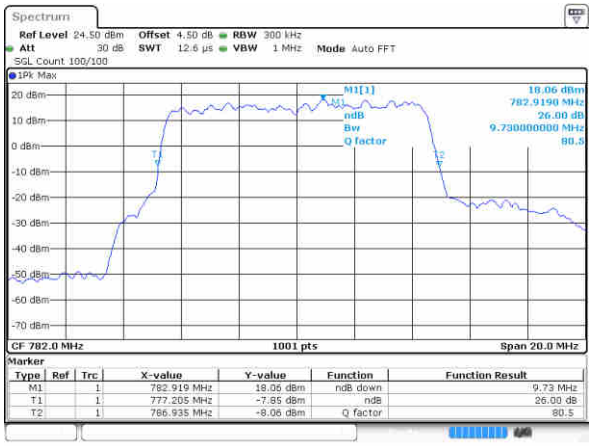
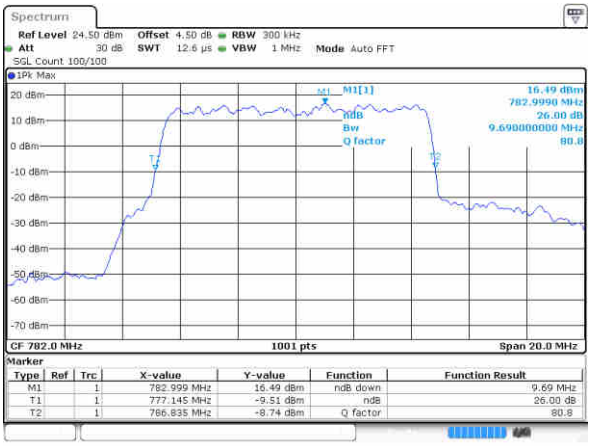


Highest Channel / 5MHz / QPSK



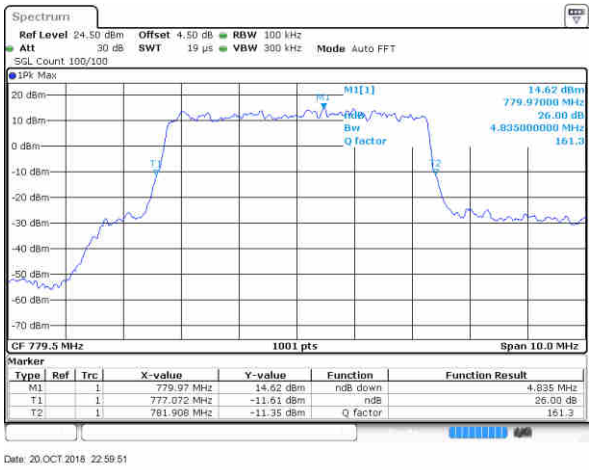
Highest Channel / 5MHz / 16QAM



LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

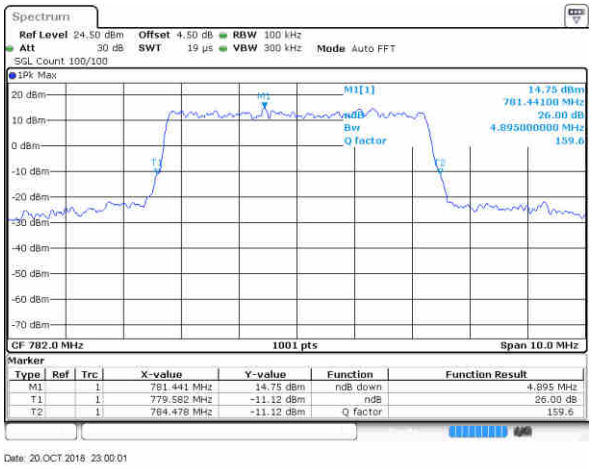
LTE Band 13

Lowest Channel / 5MHz / 64QAM

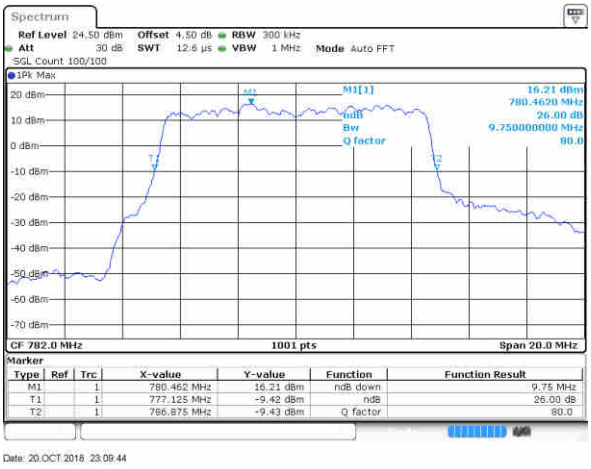


Lowest Channel / 10MHz / 64QAM

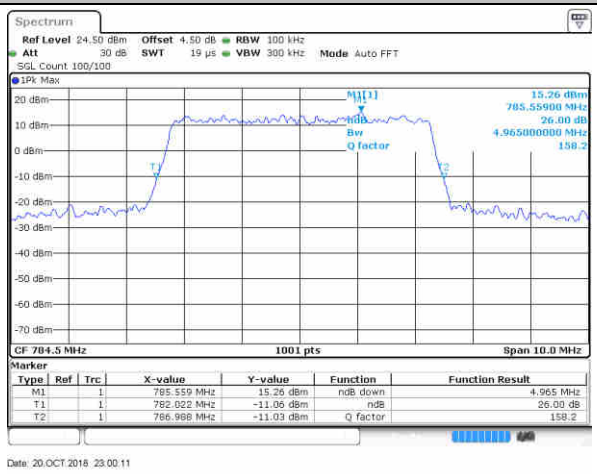
Middle Channel / 5MHz / 64QAM



Middle Channel /10MHz / 64QAM



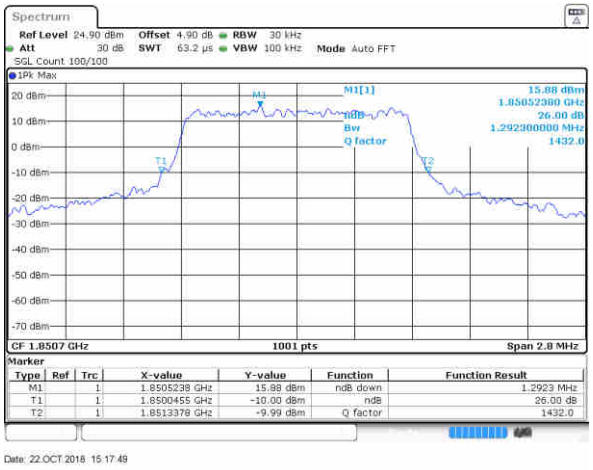
Highest Channel /5MHz / 64QAM



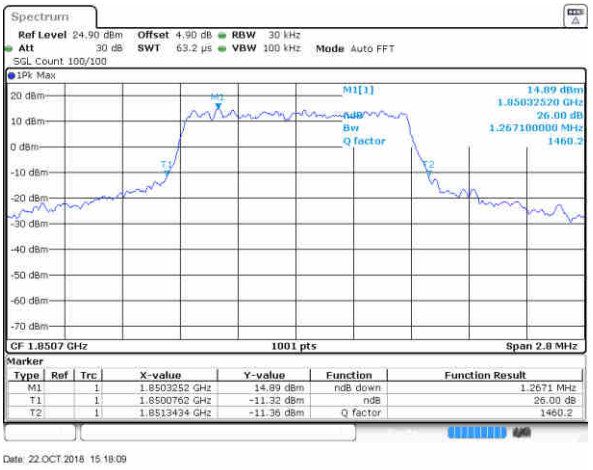
Highest Channel /10MHz / 64QAM

LTE Band 25

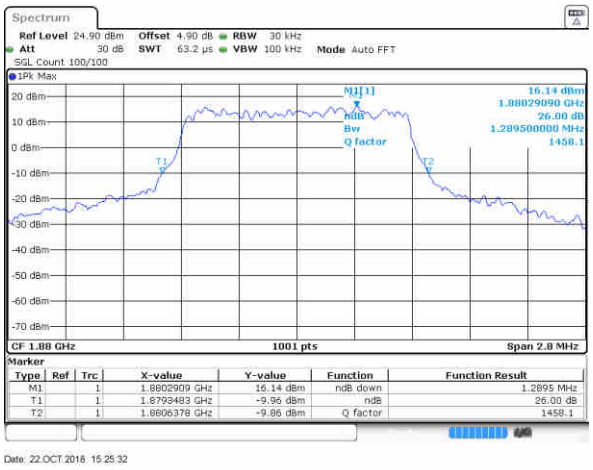
Lowest Channel / 1.4MHz / QPSK



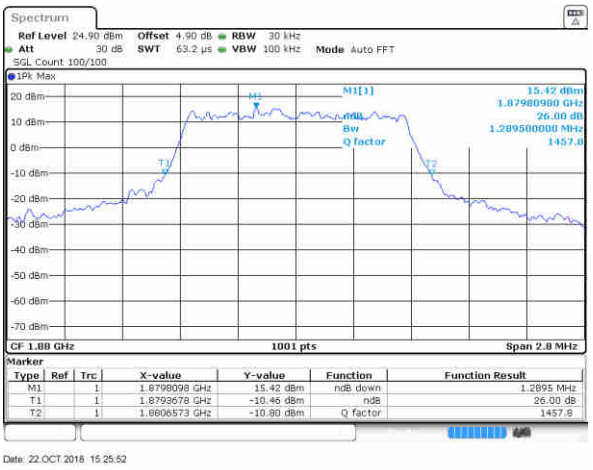
Lowest Channel / 1.4MHz / 16QAM



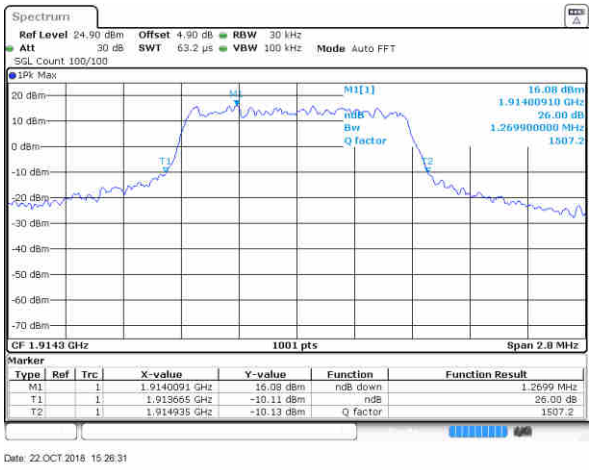
Middle Channel / 1.4MHz / QPSK



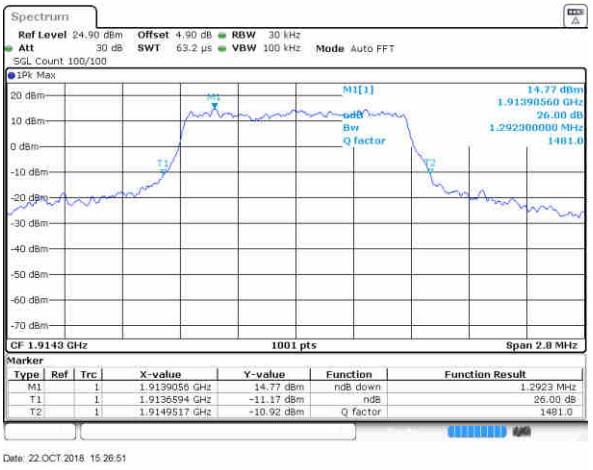
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

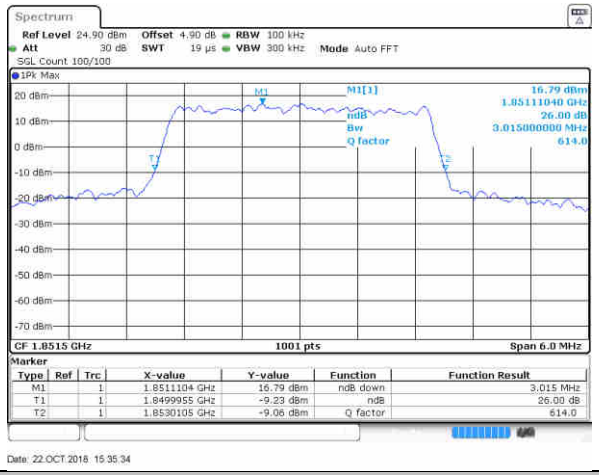


Highest Channel / 1.4MHz / 16QAM

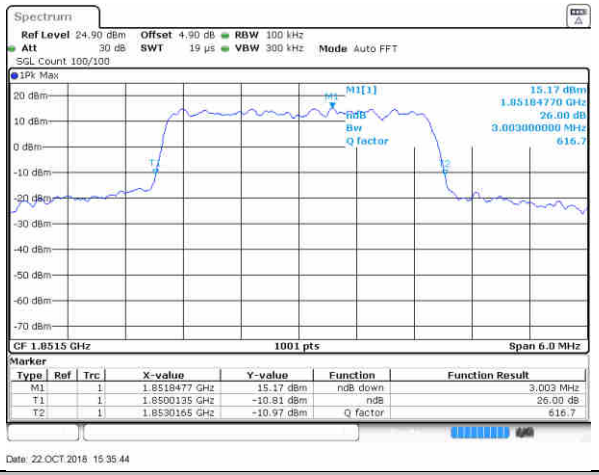


LTE Band 25

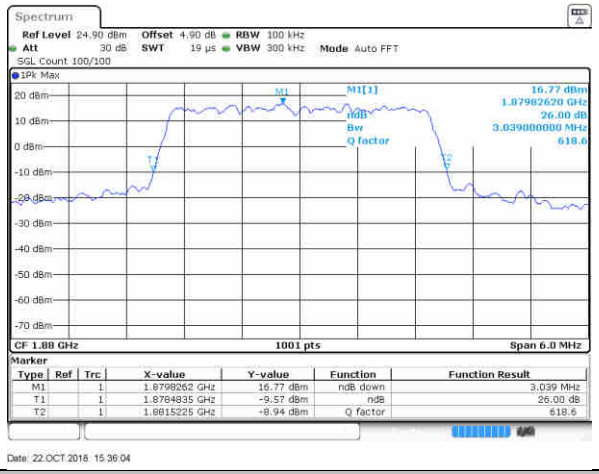
Lowest Channel / 3MHz / QPSK



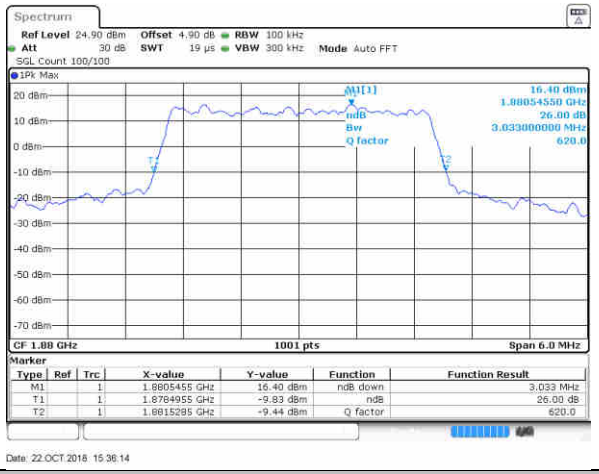
Lowest Channel / 3MHz / 16QAM



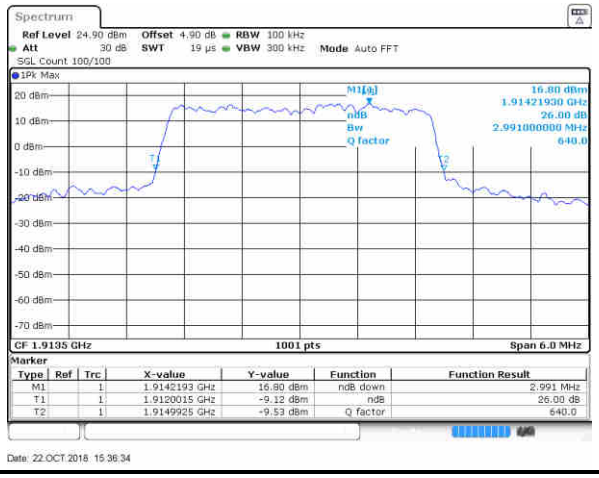
Middle Channel / 3MHz / QPSK



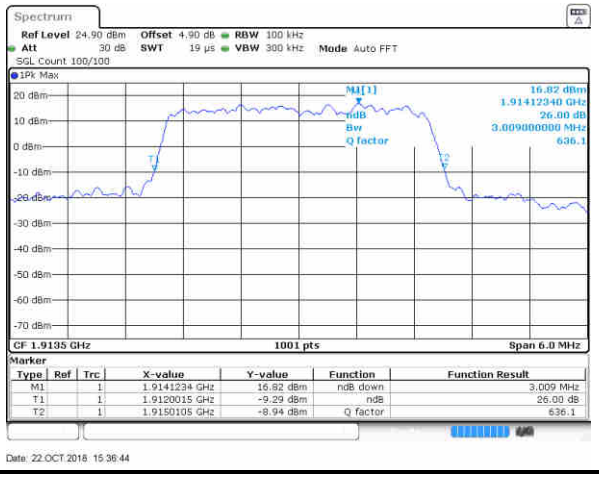
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

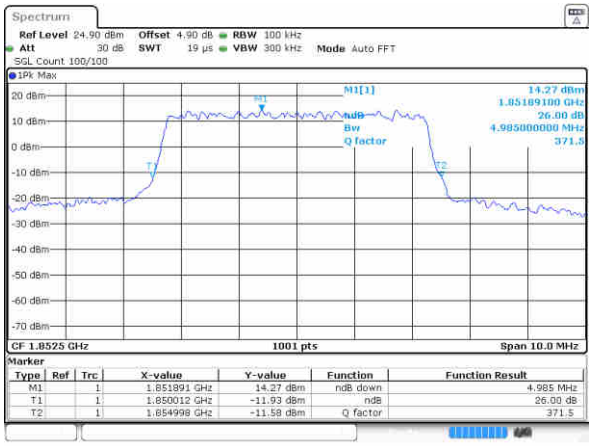


Highest Channel /3MHz / 16QAM

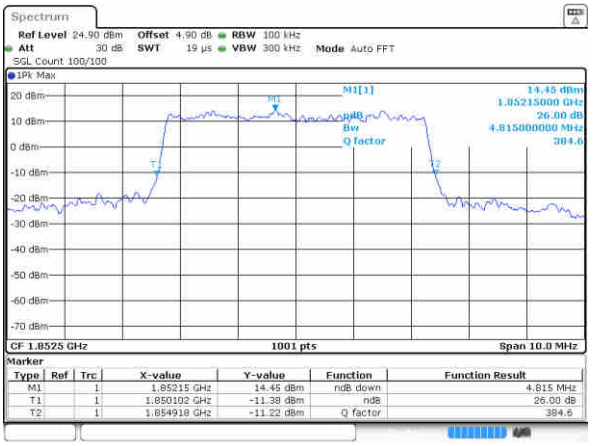


LTE Band 25

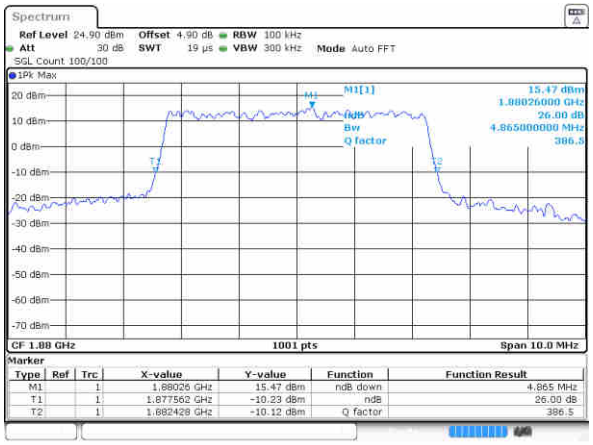
Lowest Channel / 5MHz / QPSK



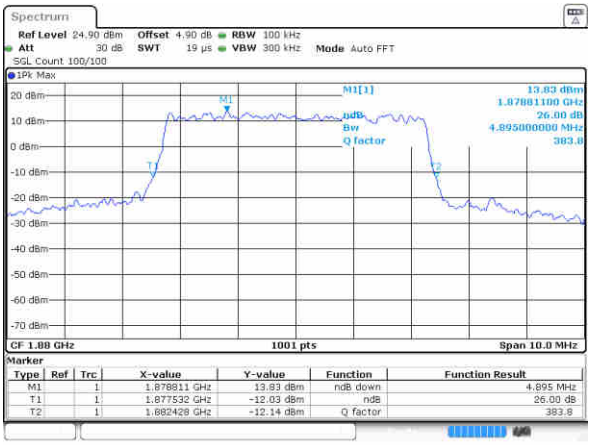
Lowest Channel / 5MHz / 16QAM



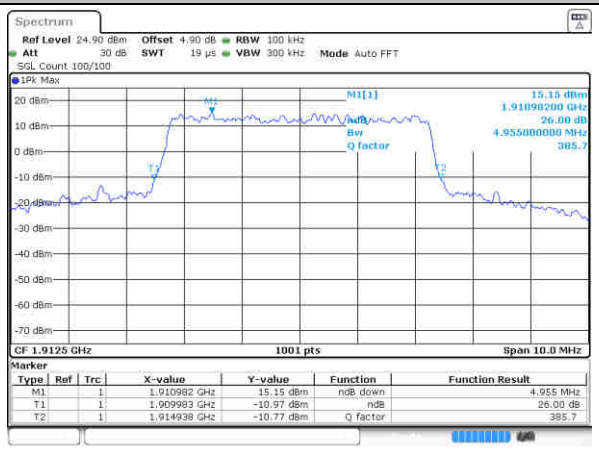
Middle Channel / 5MHz / QPSK



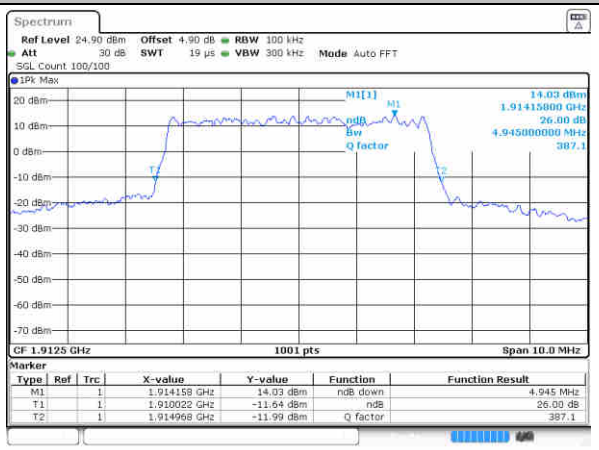
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

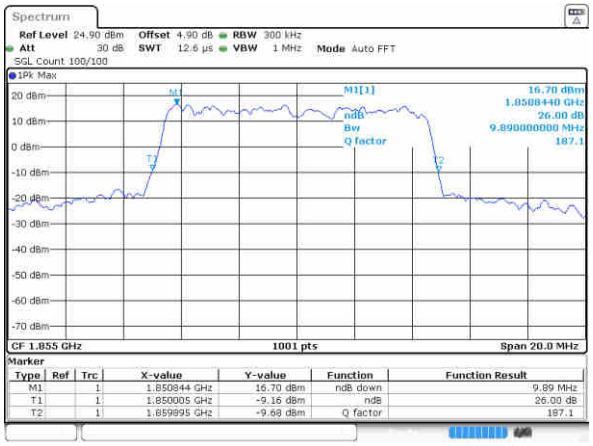


Highest Channel / 5MHz / 16QAM

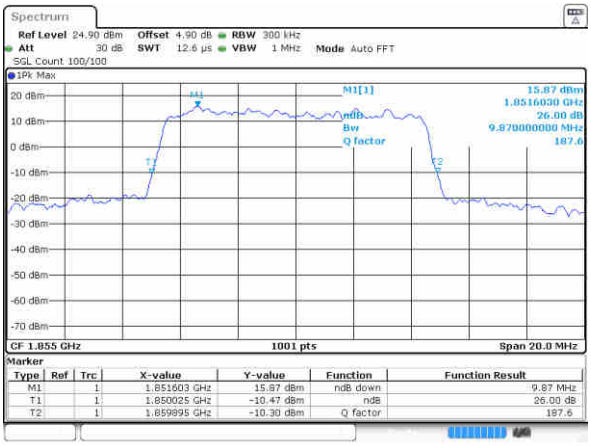


LTE Band 25

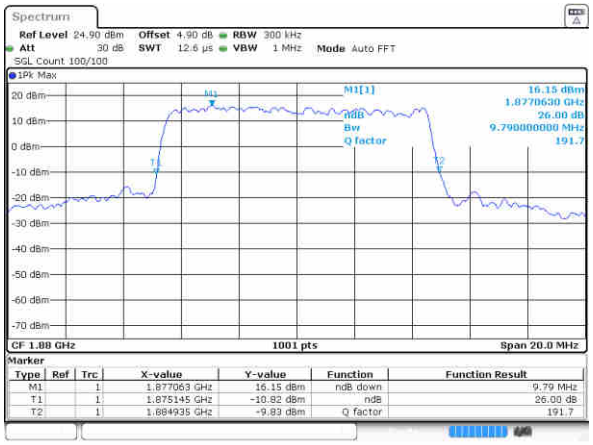
Lowest Channel / 10MHz / QPSK



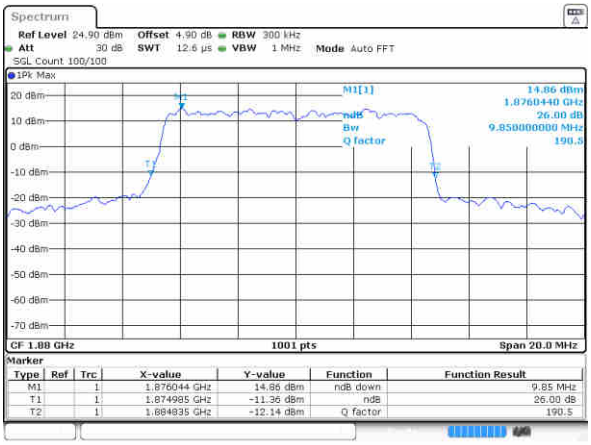
Lowest Channel / 10MHz / 16QAM



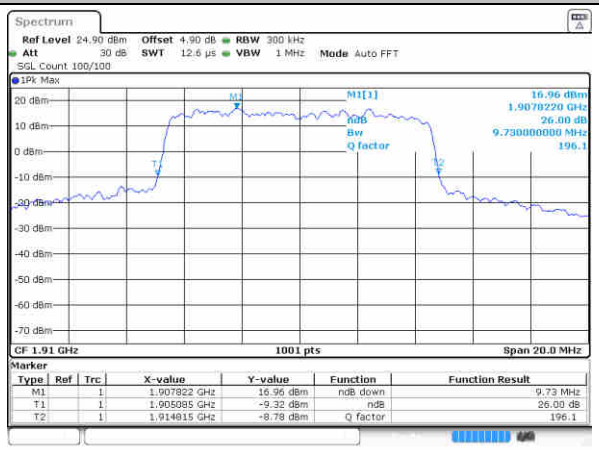
Middle Channel / 10MHz / QPSK



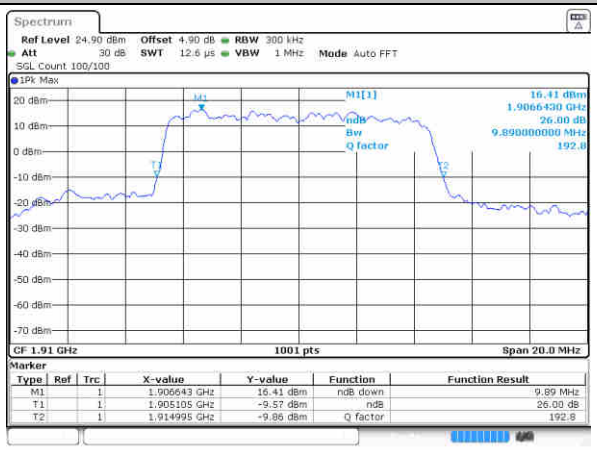
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

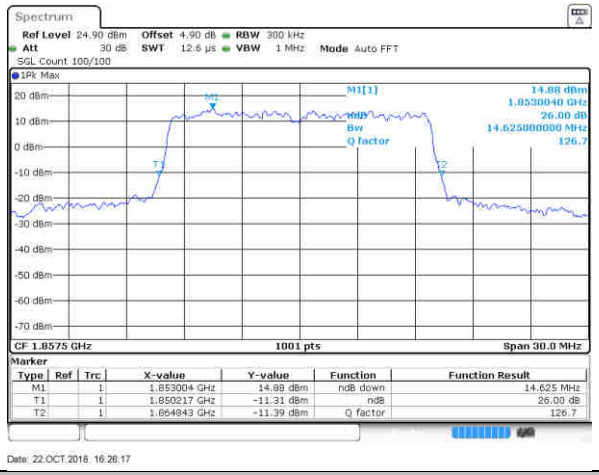


Highest Channel / 10MHz / 16QAM

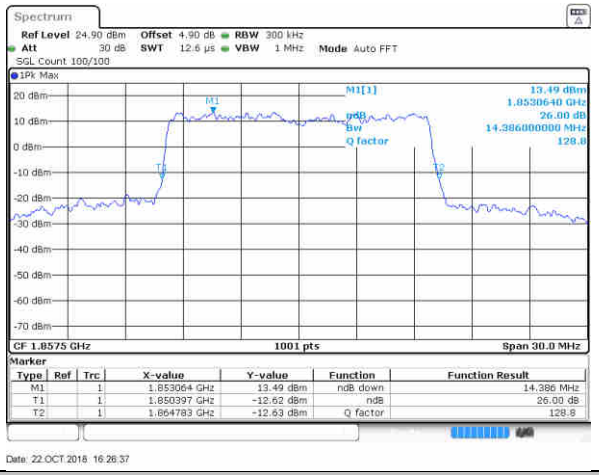


LTE Band 25

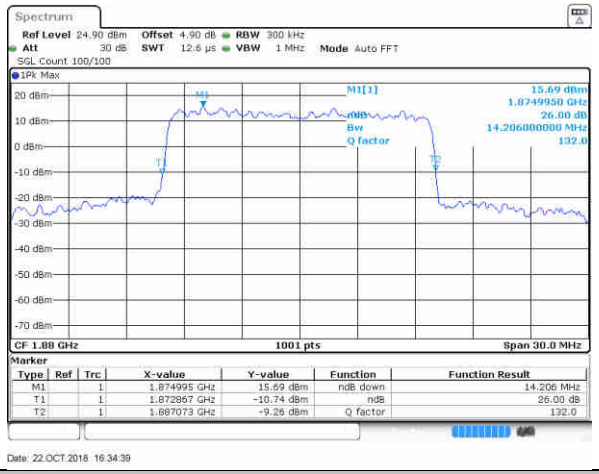
Lowest Channel / 15MHz / QPSK



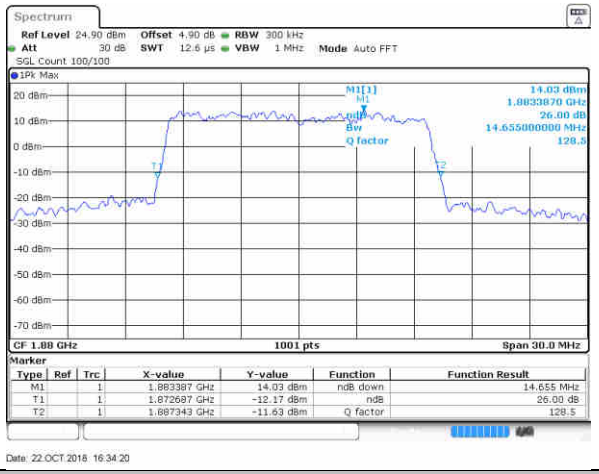
Lowest Channel / 15MHz / 16QAM



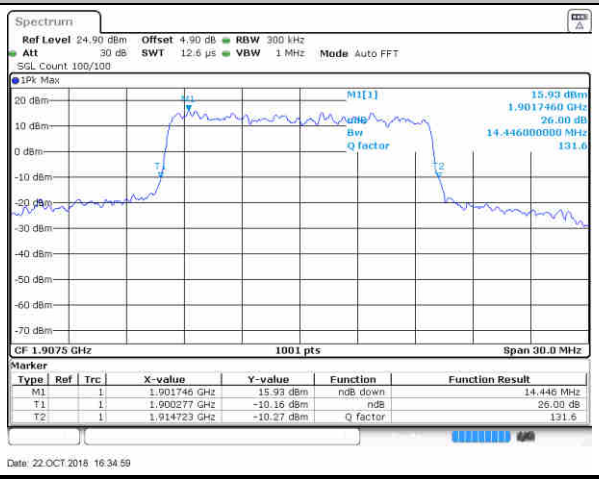
Middle Channel / 15MHz / QPSK



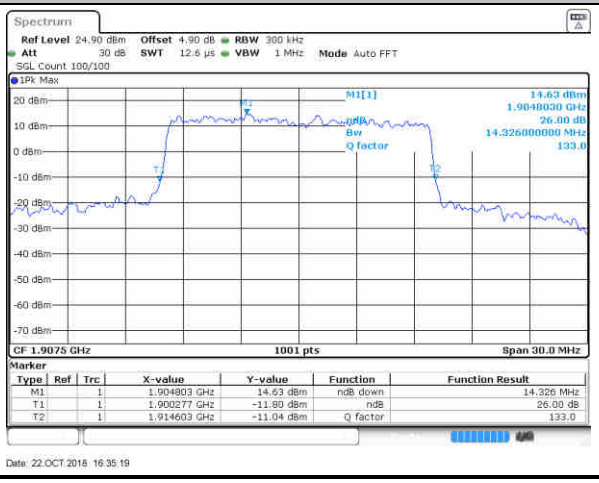
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

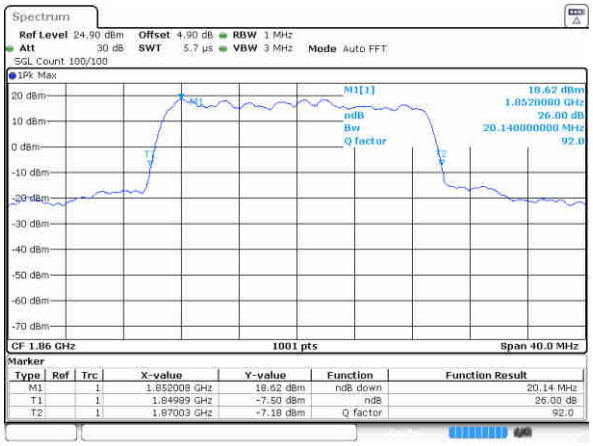


Highest Channel / 15MHz / 16QAM

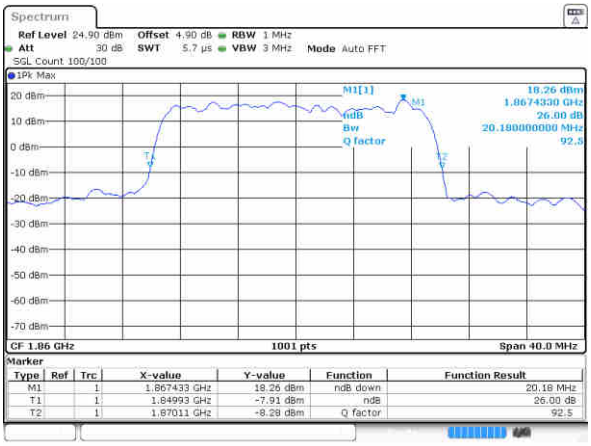


LTE Band 25

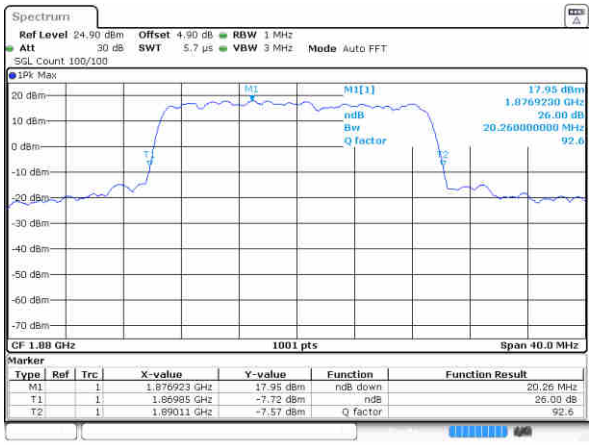
Lowest Channel / 20MHz / QPSK



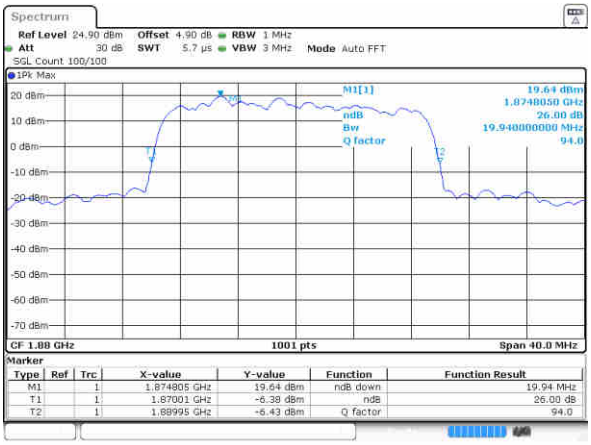
Lowest Channel / 20MHz / 16QAM



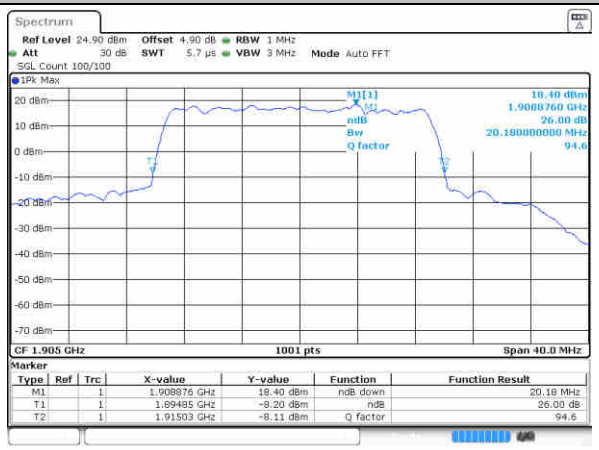
Middle Channel / 20MHz / QPSK



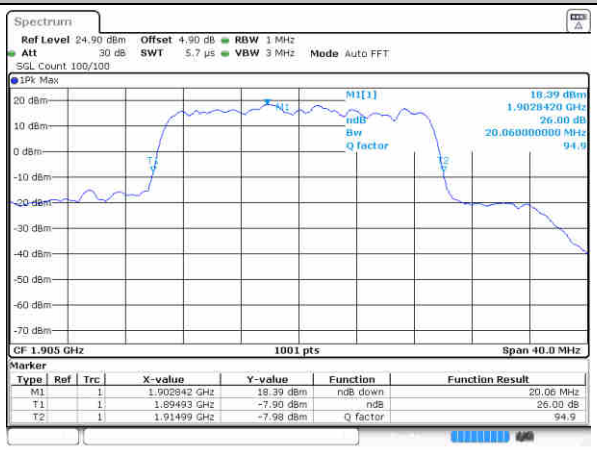
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

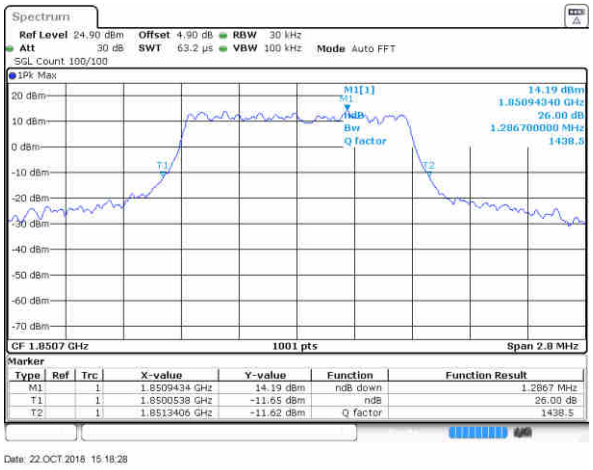


Highest Channel / 20MHz / 16QAM

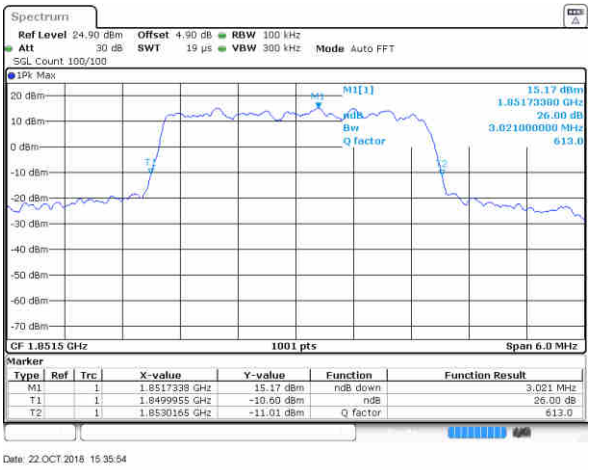


LTE Band 25

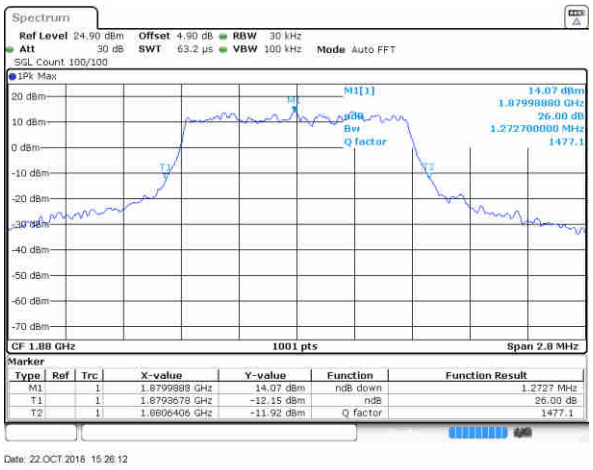
Lowest Channel / 1.4MHz / 64QAM



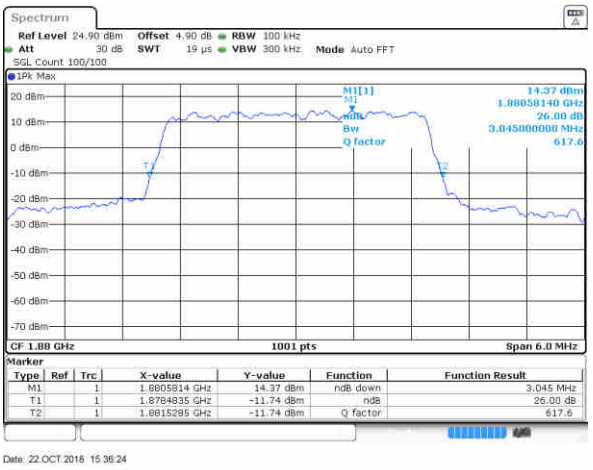
Lowest Channel / 3MHz / 64QAM



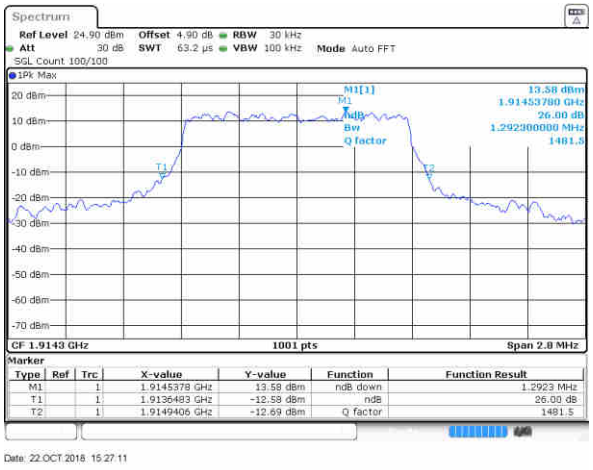
Middle Channel / 1.4MHz / 64QAM



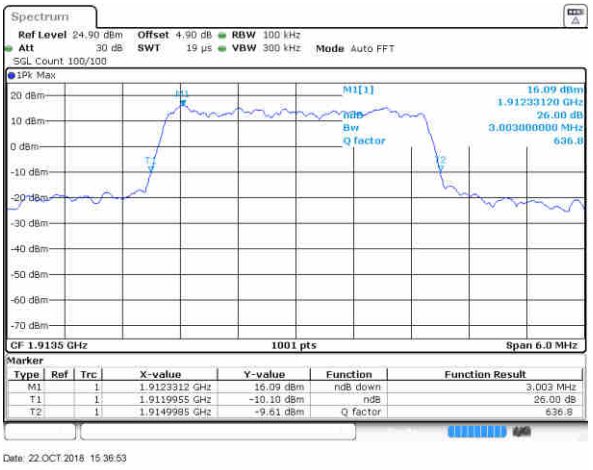
Middle Channel /3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

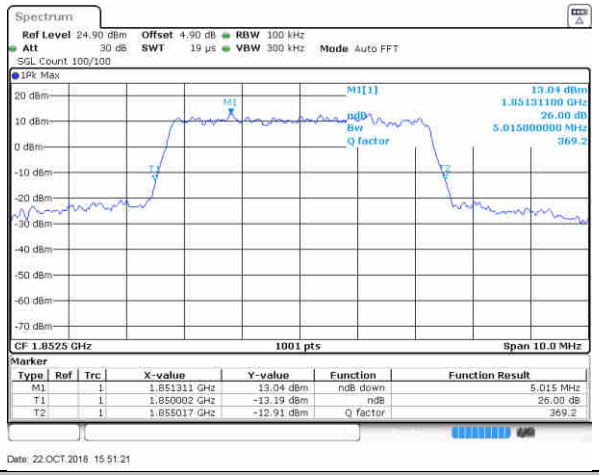


Highest Channel /3MHz / 64QAM

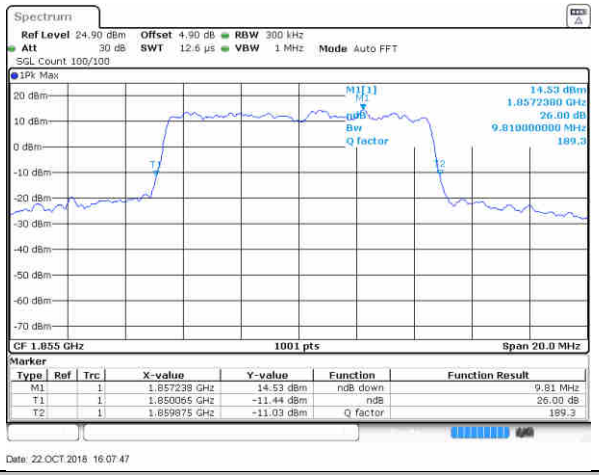


LTE Band 25

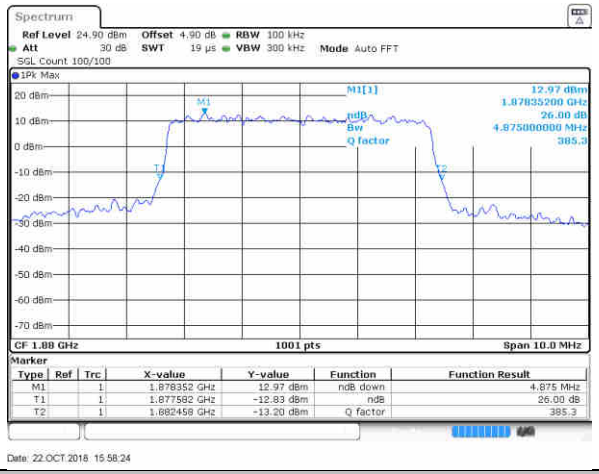
Lowest Channel / 5MHz / 64QAM



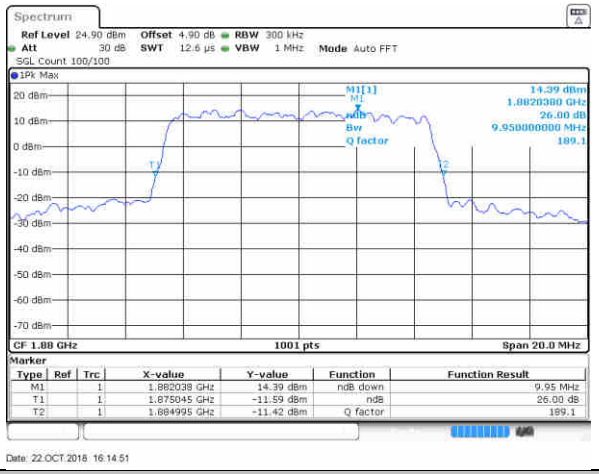
Lowest Channel / 10MHz / 64QAM



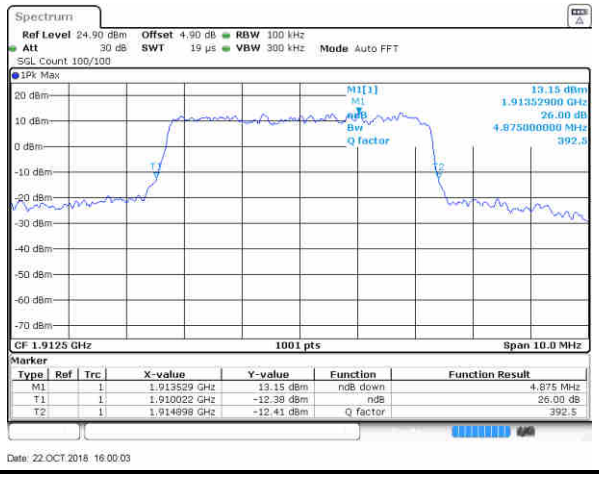
Middle Channel / 5MHz / 64QAM



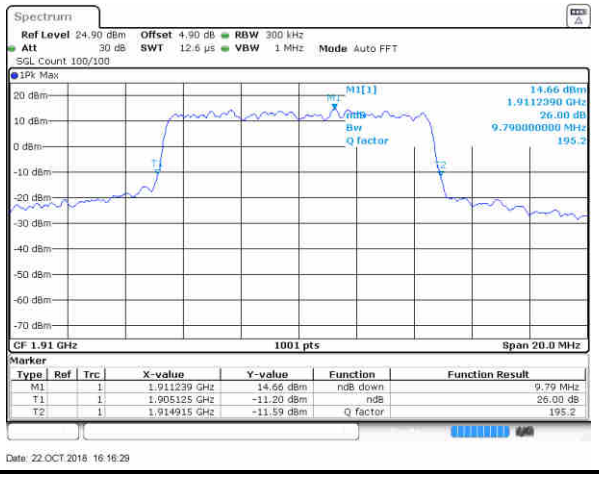
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

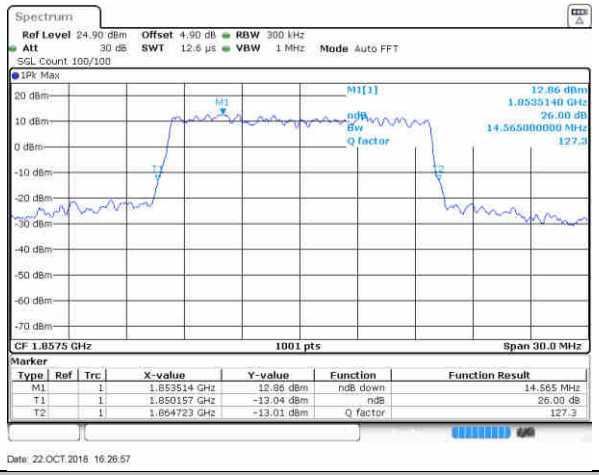


Highest Channel / 10MHz / 64QAM

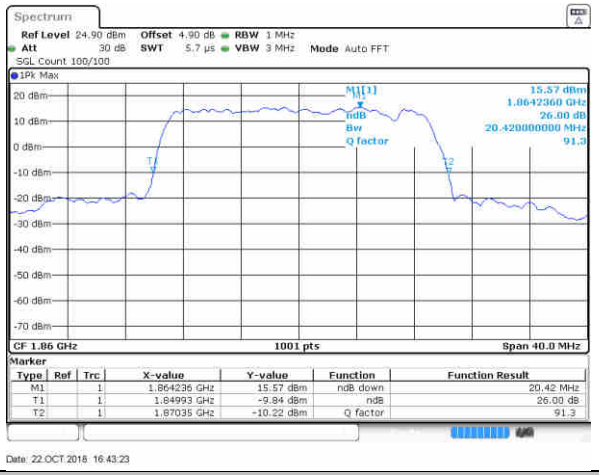


LTE Band 25

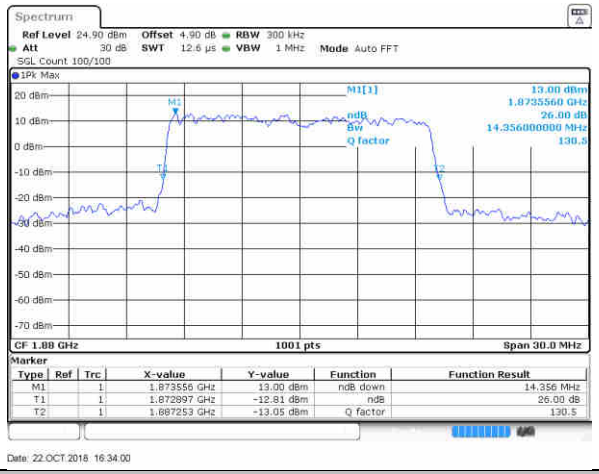
Lowest Channel / 15MHz / 64QAM



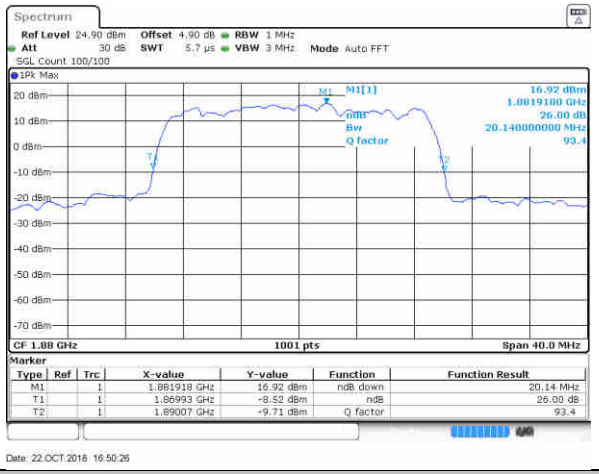
Lowest Channel / 20MHz / 64QAM



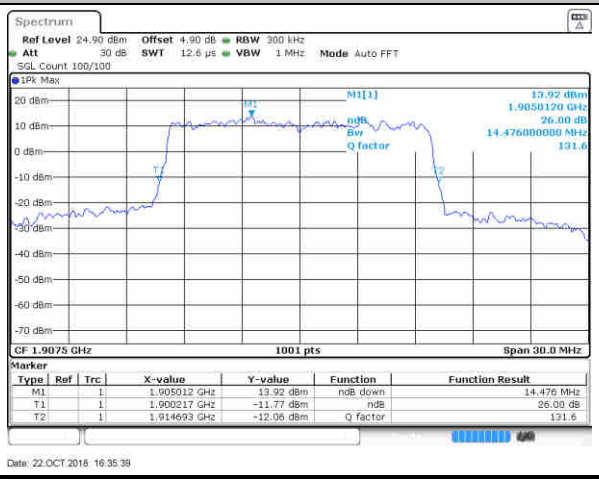
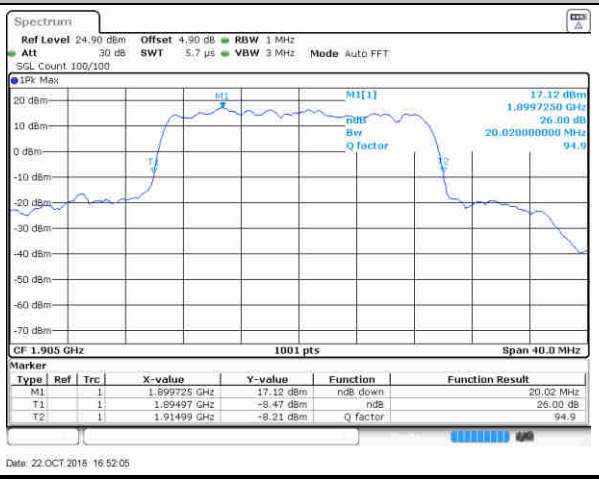
Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM