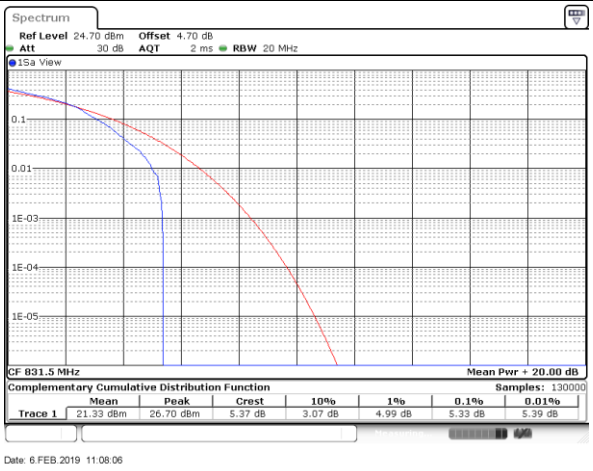
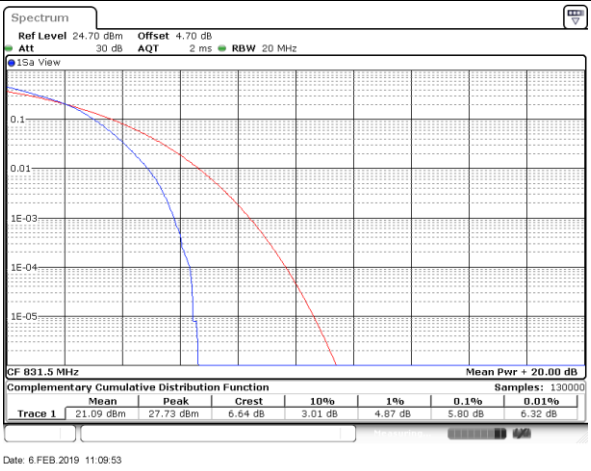
LTE Band 26 / 15MHz / 64QAM

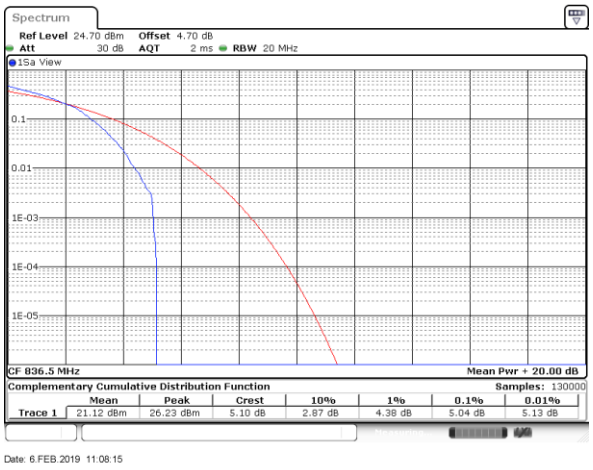
Lowest Channel / 1RB



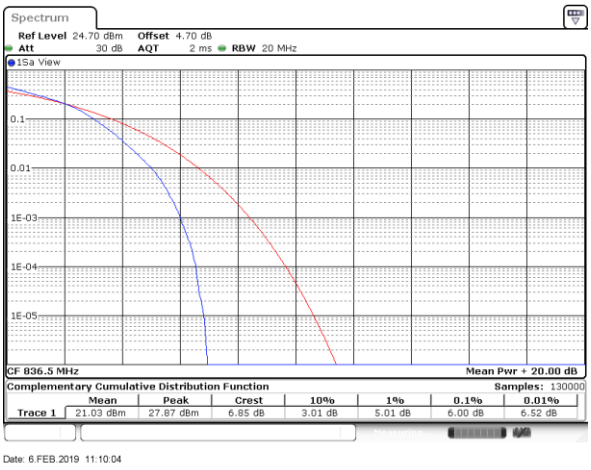
Lowest Channel / Full RB



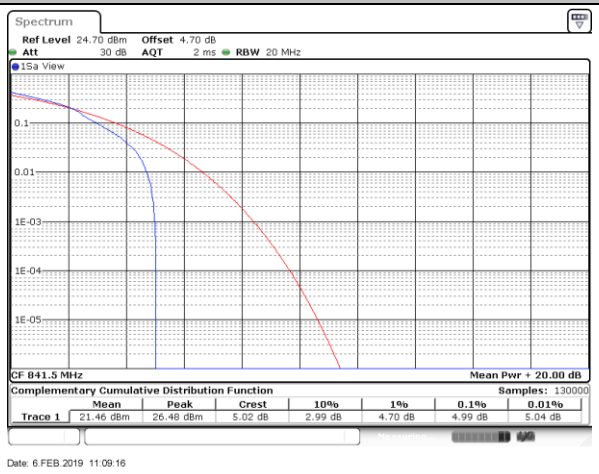
Middle Channel / 1RB



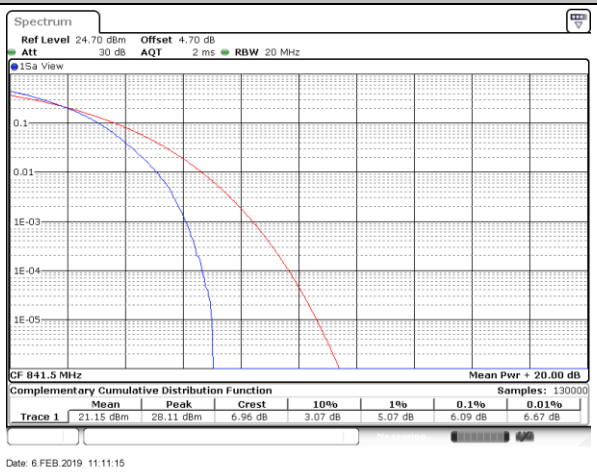
Middle Channel / Full RB



Highest Channel / 1RB

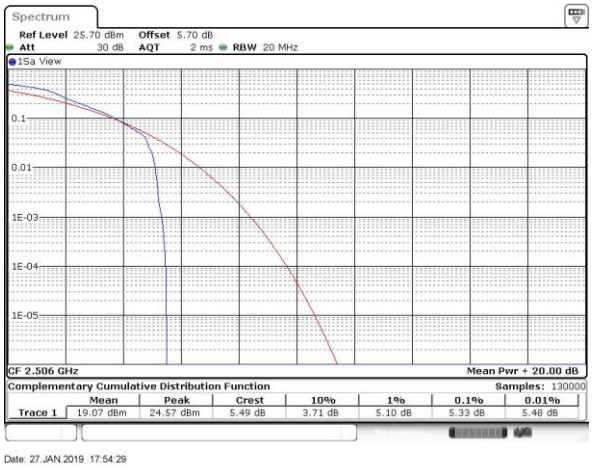


Highest Channel / Full RB

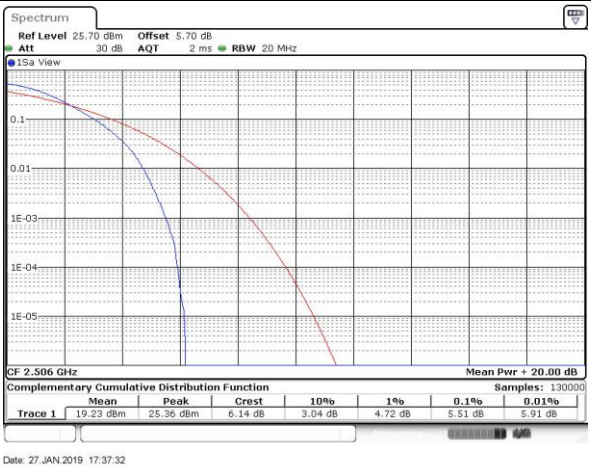


LTE Band 41 / 20MHz / QPSK

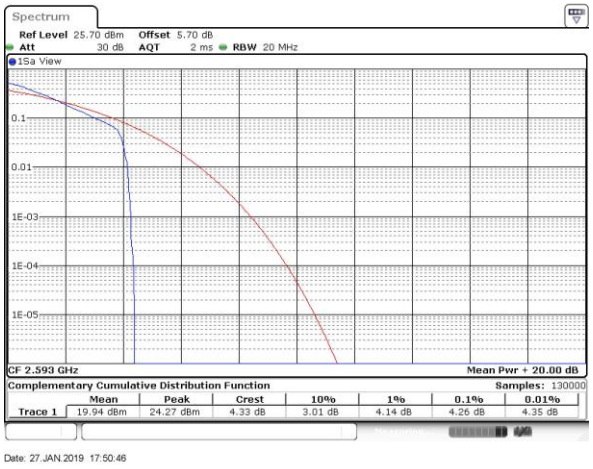
Lowest Channel / 1RB



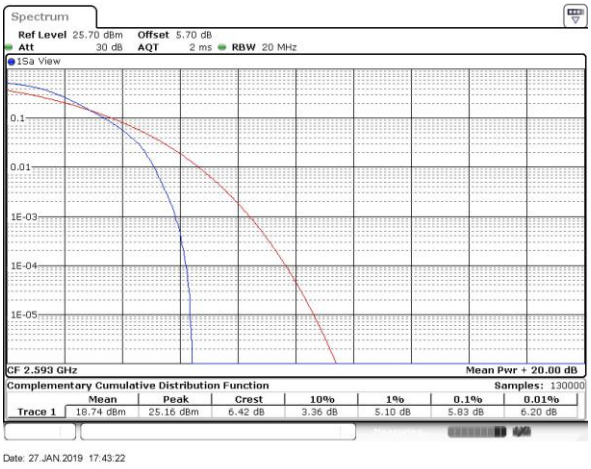
Lowest Channel / Full RB



Middle Channel / 1RB

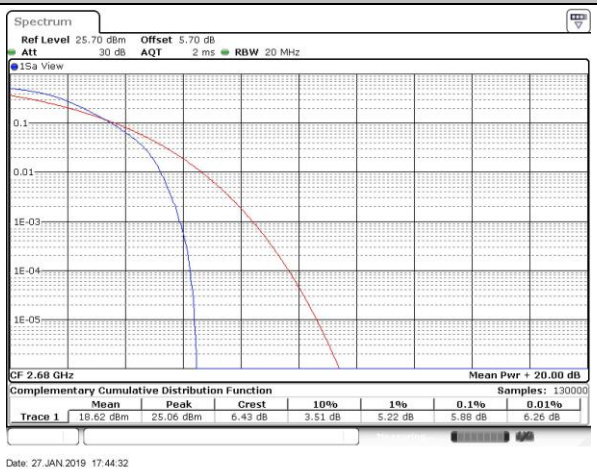


Middle Channel / Full RB



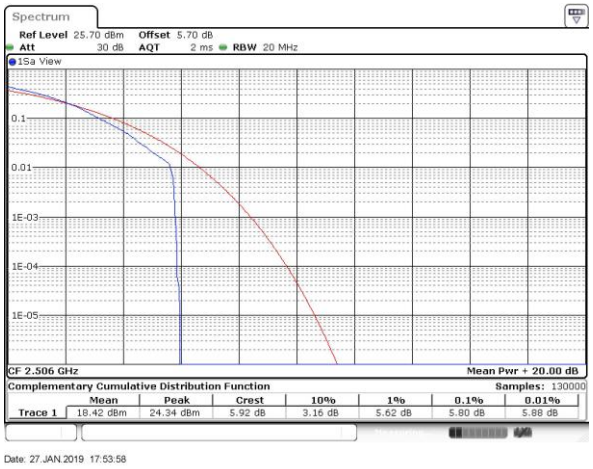
Highest Channel / 1RB

Highest Channel / Full RB

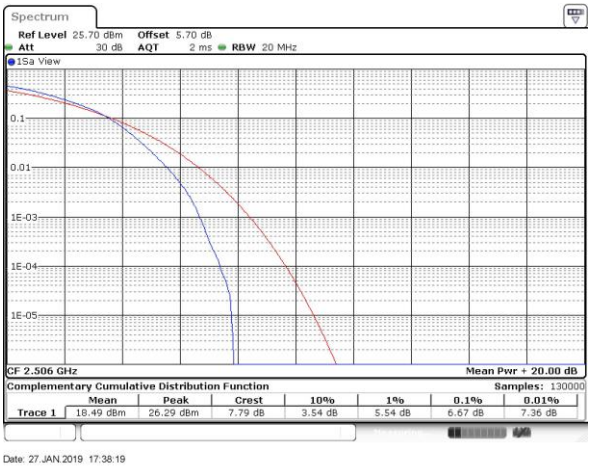


LTE Band 41 / 20MHz / 16QAM

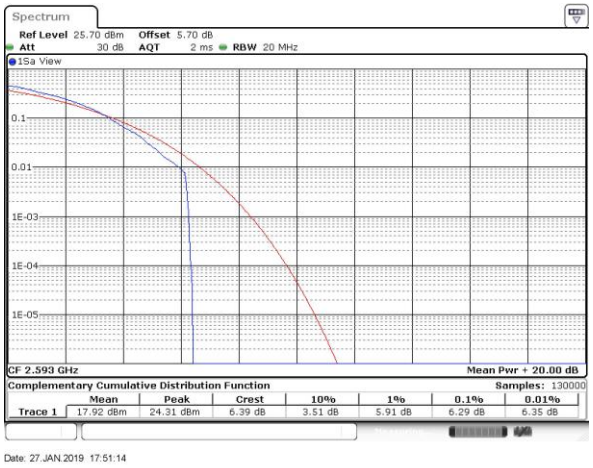
Lowest Channel / 1RB



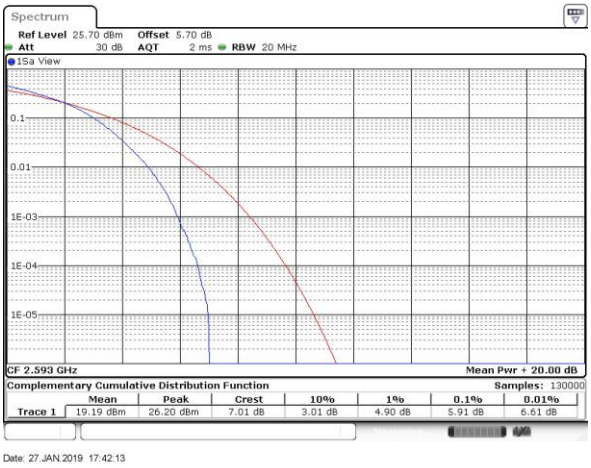
Lowest Channel / Full RB



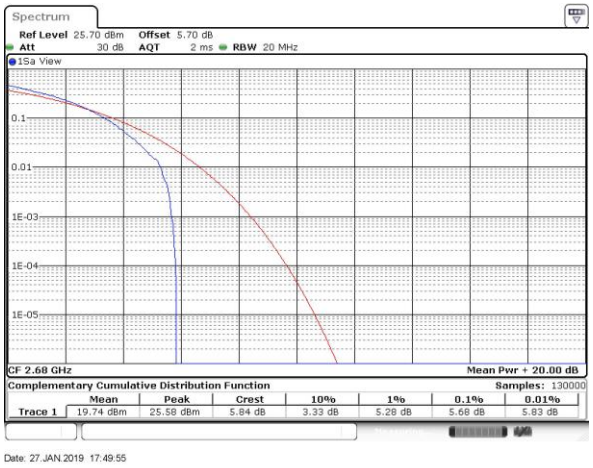
Middle Channel / 1RB



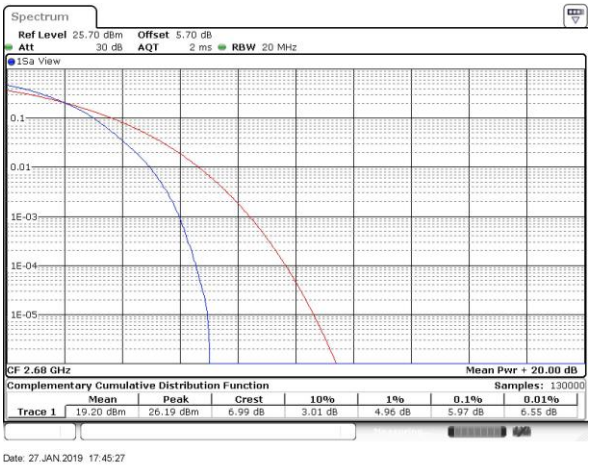
Middle Channel / Full RB



Highest Channel / 1RB

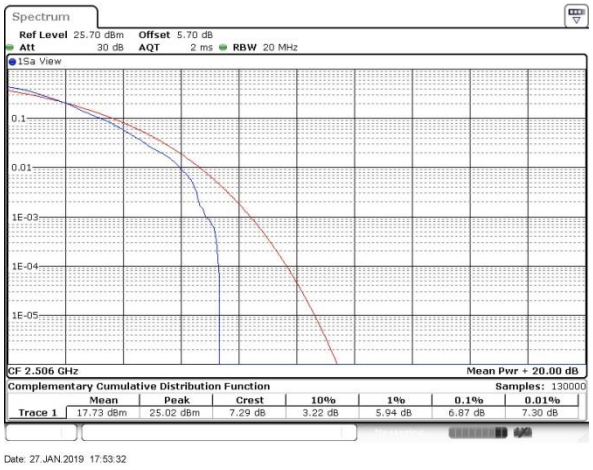


Highest Channel / Full RB

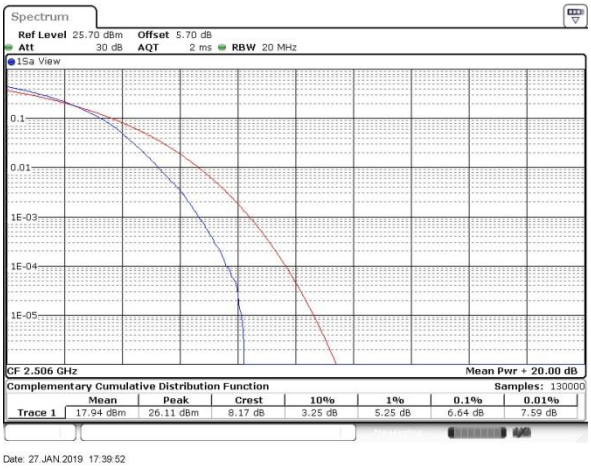


LTE Band 41 / 20MHz / 64QAM

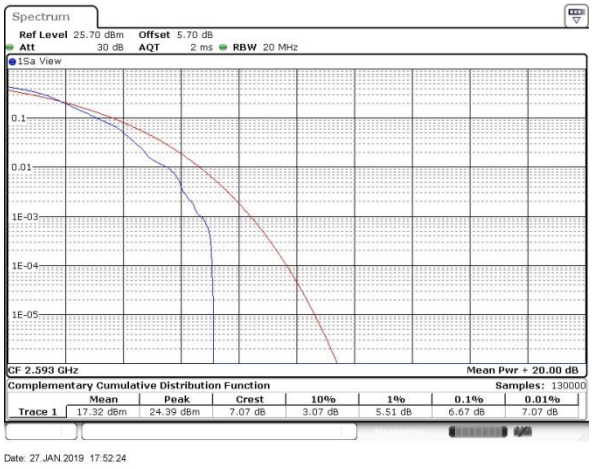
Lowest Channel / 1RB



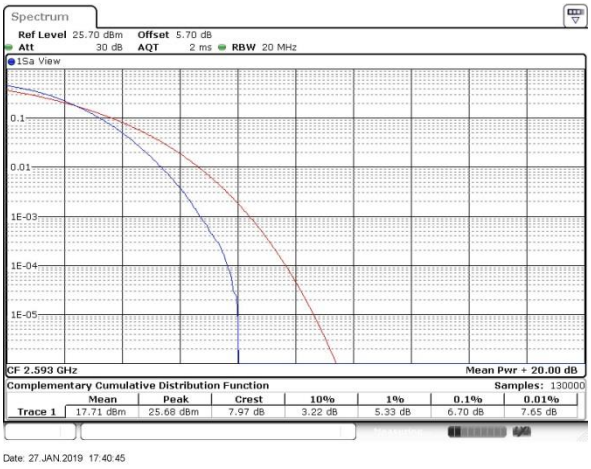
Lowest Channel / Full RB



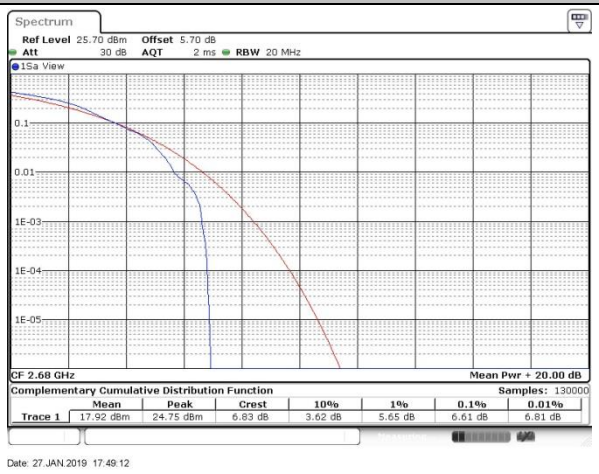
Middle Channel / 1RB



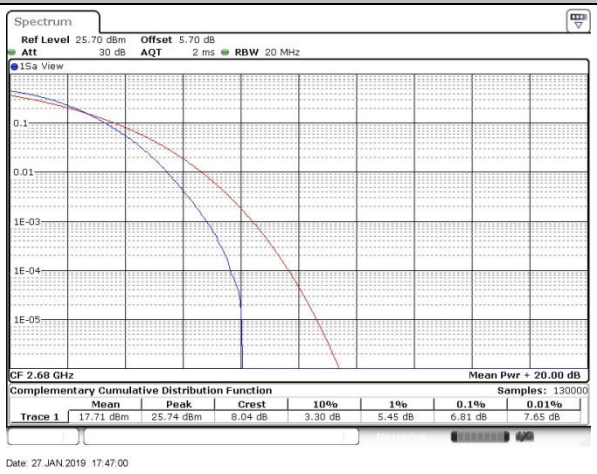
Middle Channel / Full RB



Highest Channel / 1RB

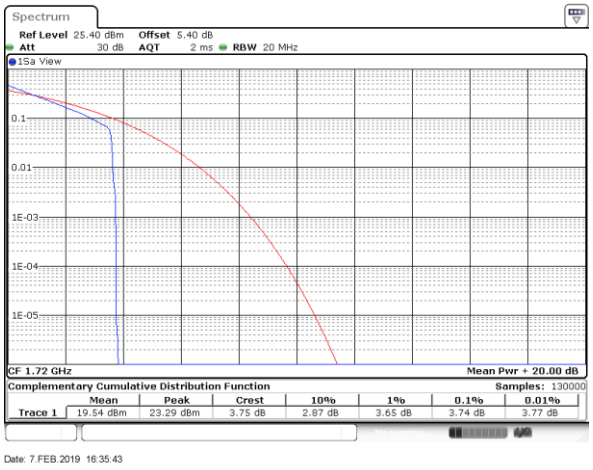


Highest Channel / Full RB

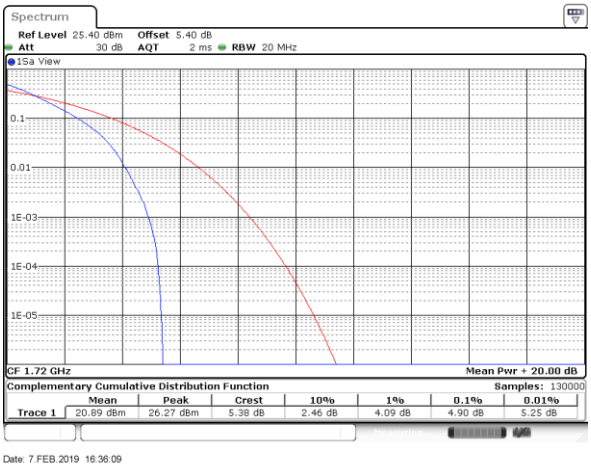


LTE Band 66 / 20MHz / QPSK

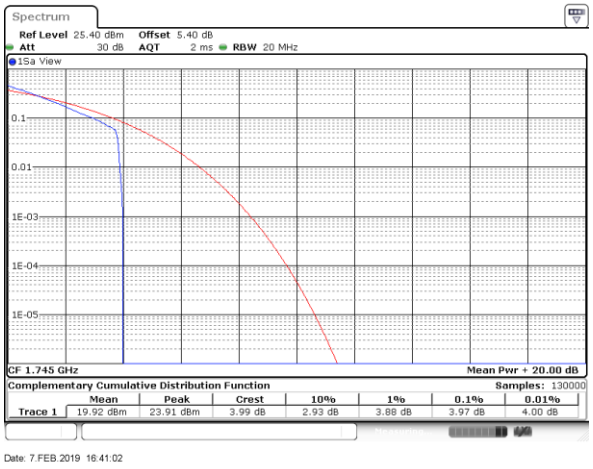
Lowest Channel / 1RB



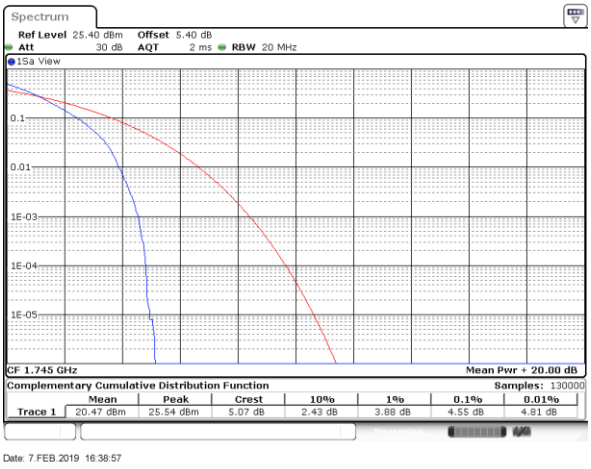
Lowest Channel / Full RB



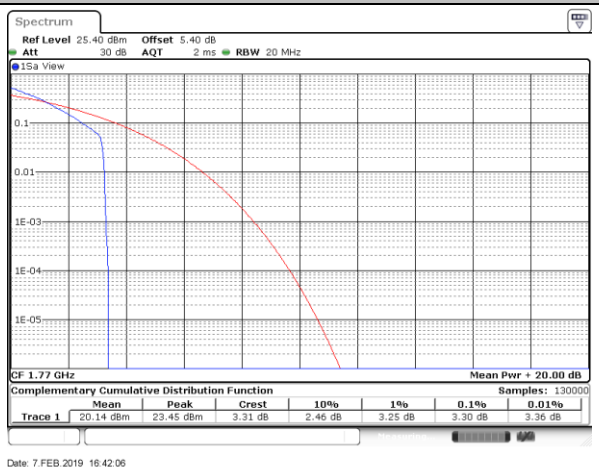
Middle Channel / 1RB



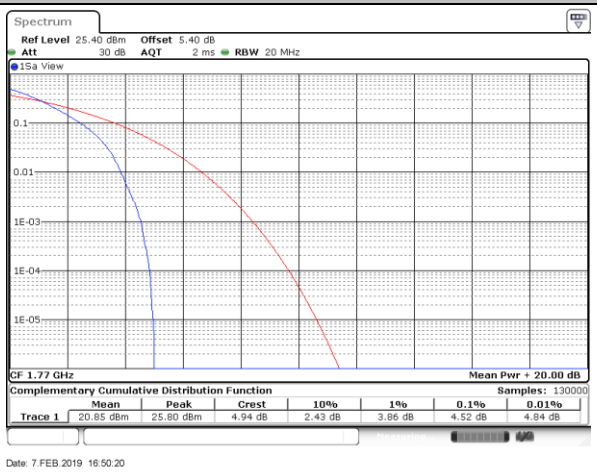
Middle Channel / Full RB



Highest Channel / 1RB

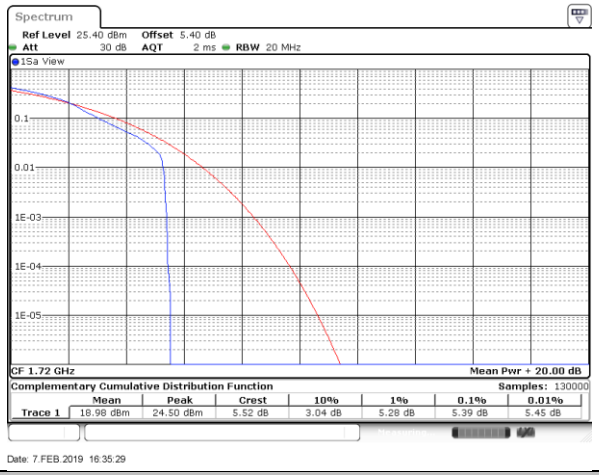


Highest Channel / Full RB

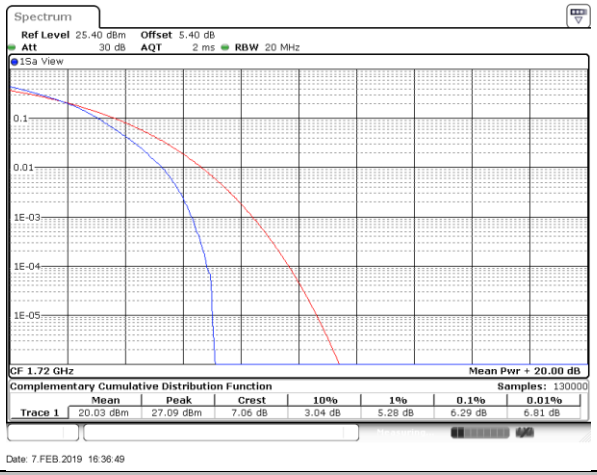


LTE Band 66 / 20MHz / 16QAM

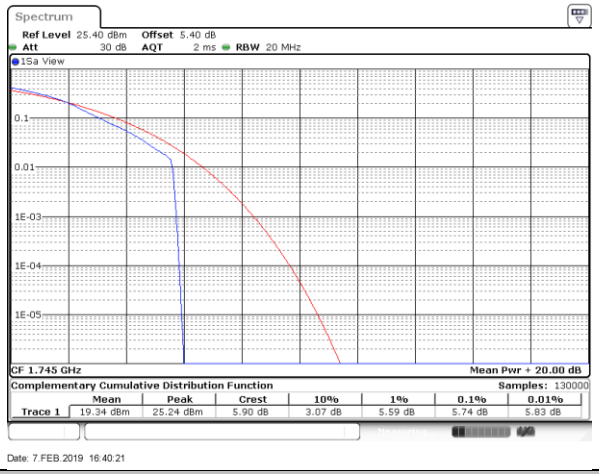
Lowest Channel / 1RB



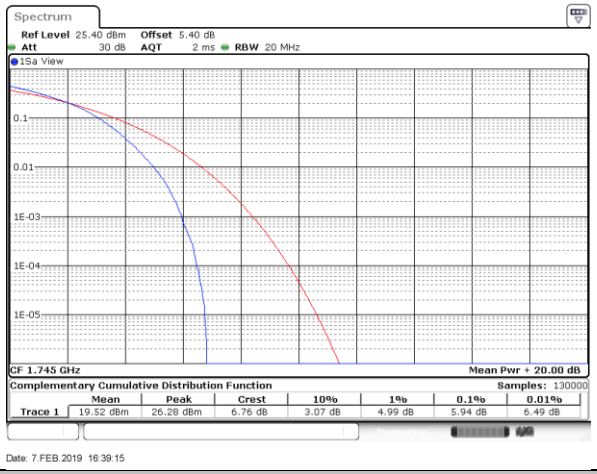
Lowest Channel / Full RB



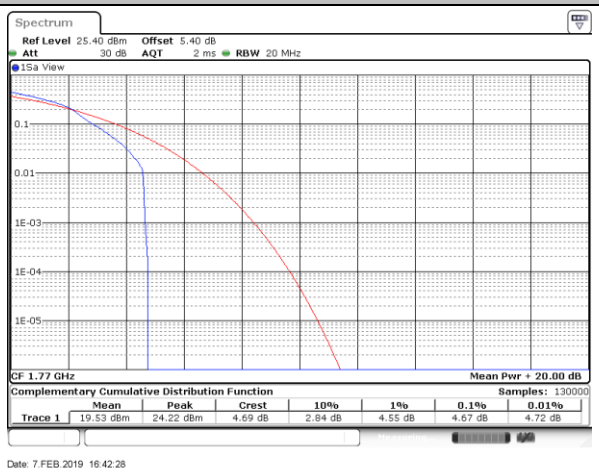
Middle Channel / 1RB



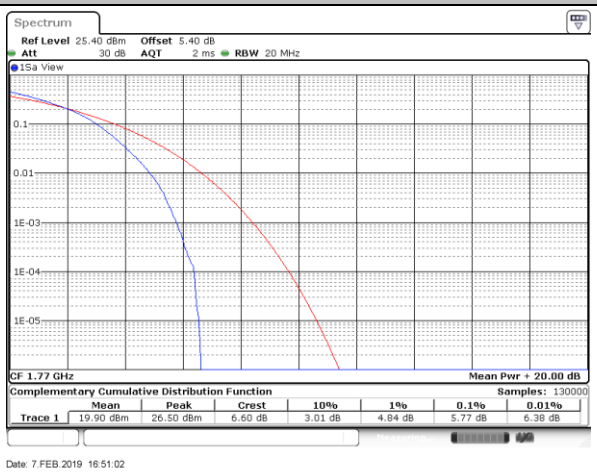
Middle Channel / Full RB



Highest Channel / 1RB

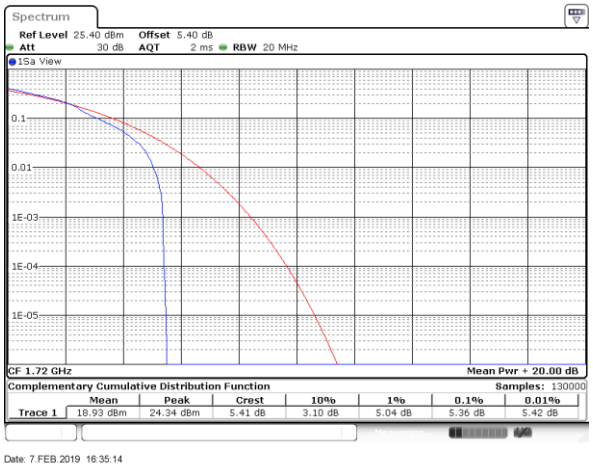


Highest Channel / Full RB

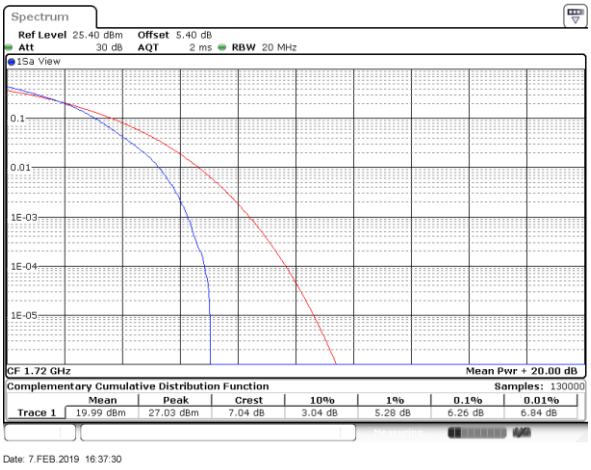


LTE Band 66 / 20MHz / 64QAM

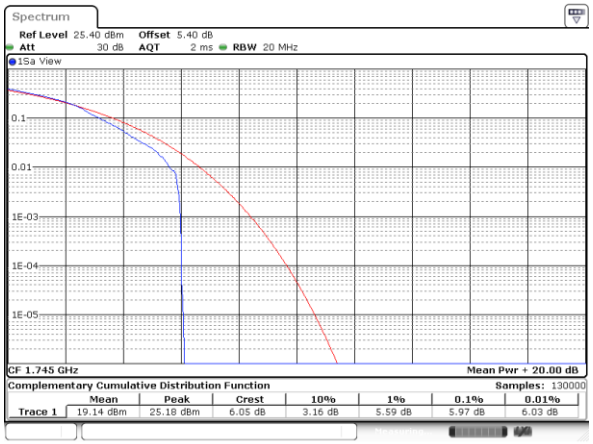
Lowest Channel / 1RB



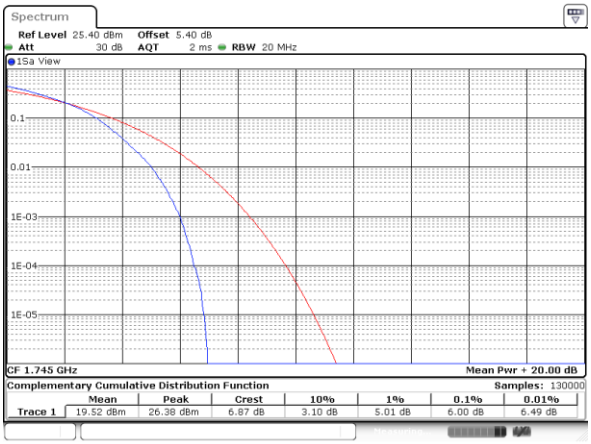
Lowest Channel / Full RB



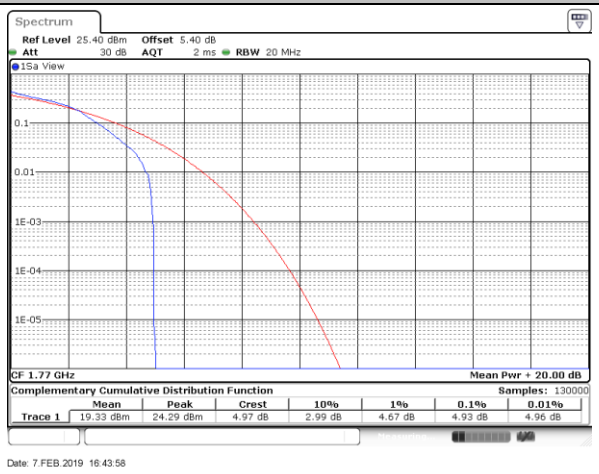
Middle Channel / 1RB



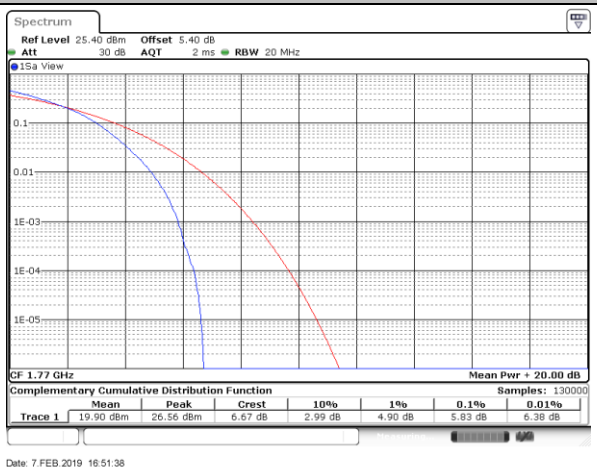
Middle Channel / Full RB



Highest Channel / 1RB

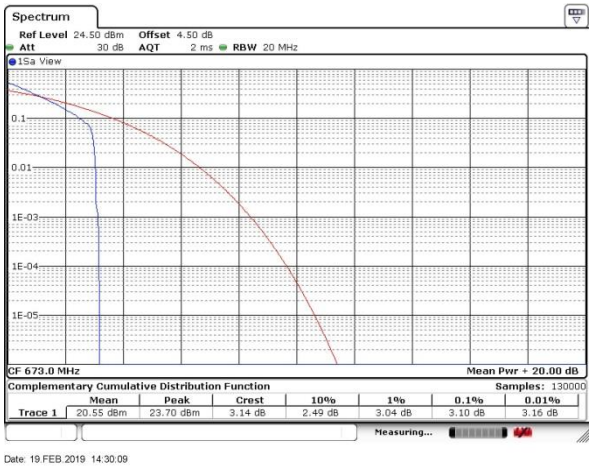


Highest Channel / Full RB

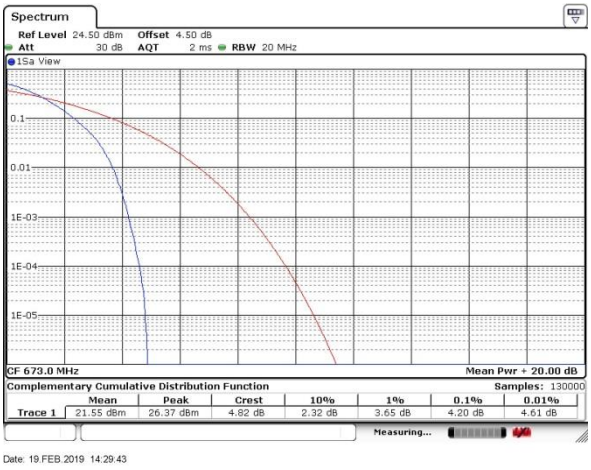


LTE Band 71 / 20MHz / QPSK

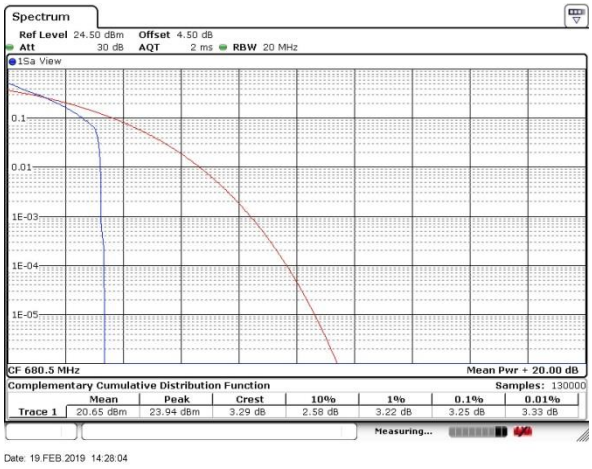
Lowest Channel / 1RB



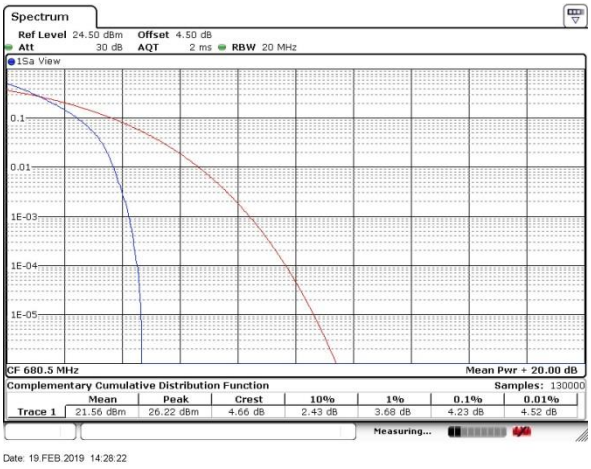
Lowest Channel / Full RB



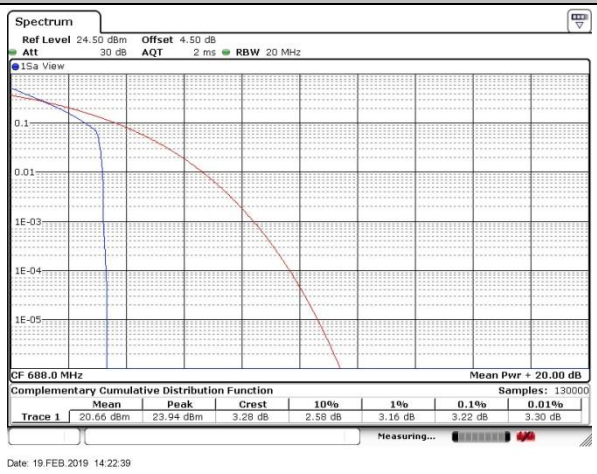
Middle Channel / 1RB



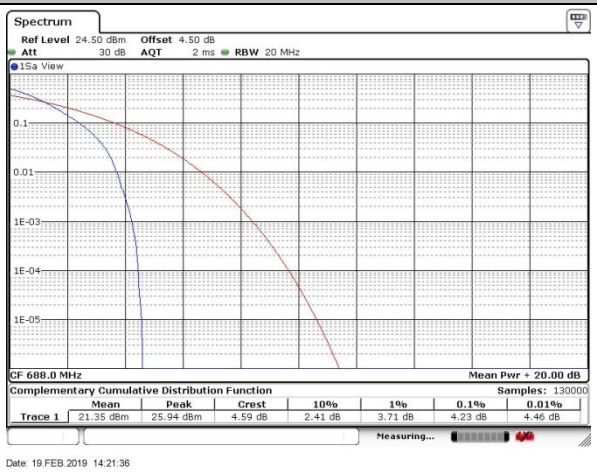
Middle Channel / Full RB



Highest Channel / 1RB

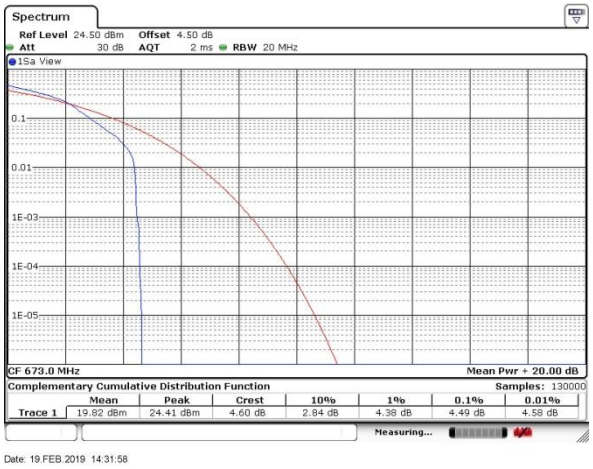


Highest Channel / Full RB

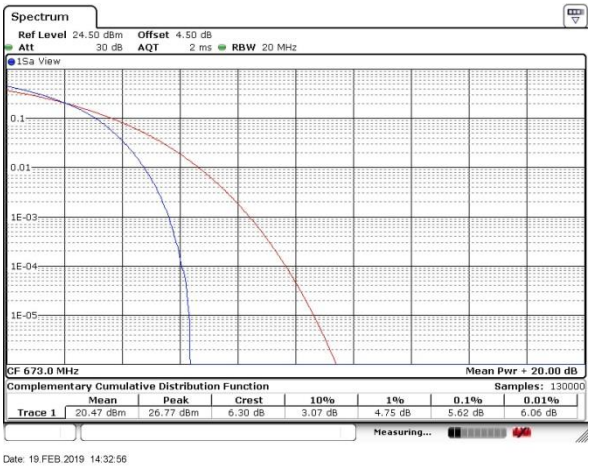


LTE Band 71 / 20MHz / 16QAM

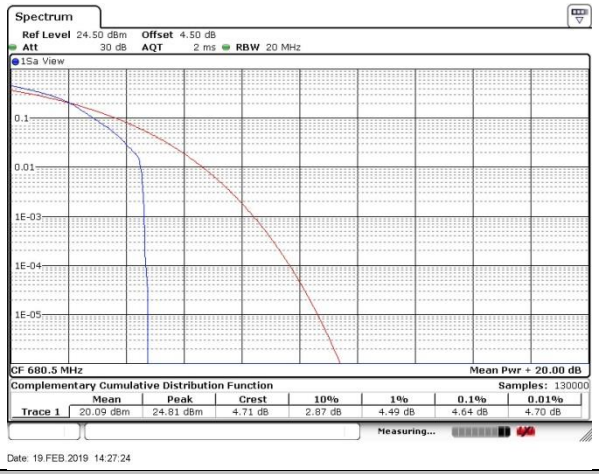
Lowest Channel / 1RB



Lowest Channel / Full RB

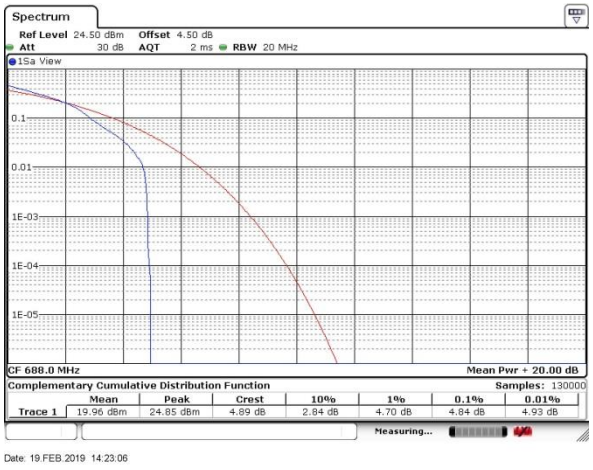


Middle Channel / 1RB

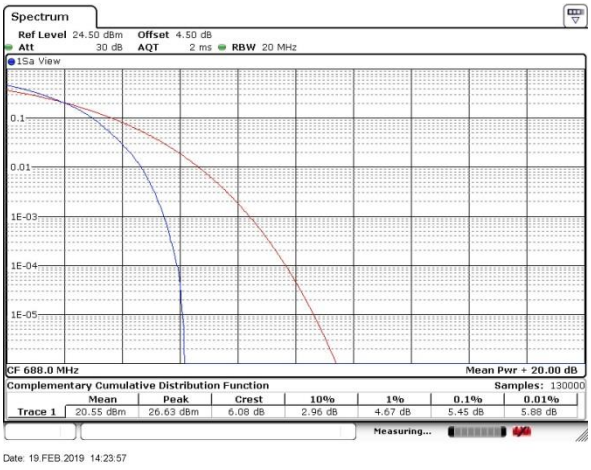


Middle Channel / Full RB

Highest Channel / 1RB

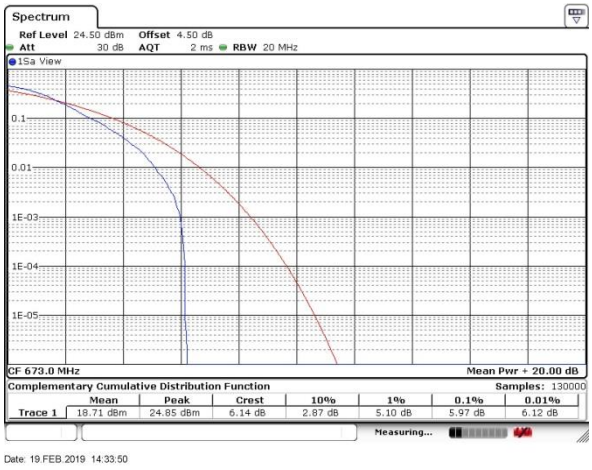


Highest Channel / Full RB

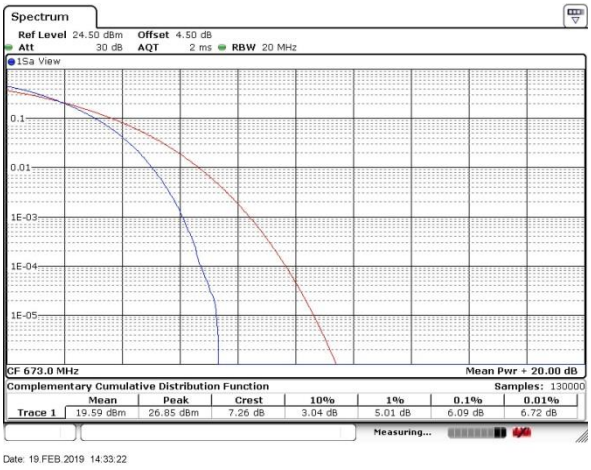


LTE Band 71 / 20MHz / 64QAM

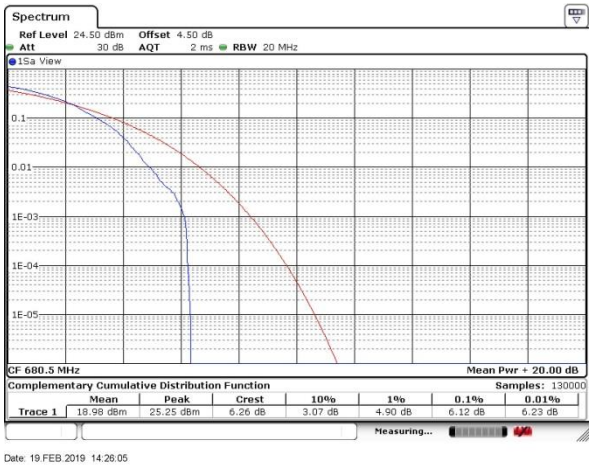
Lowest Channel / 1RB



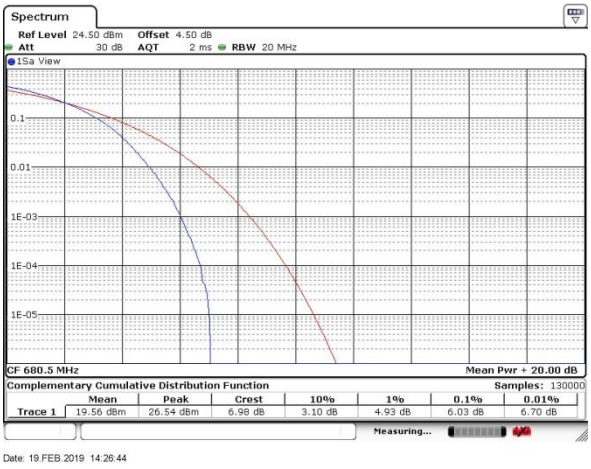
Lowest Channel / Full RB



Middle Channel / 1RB

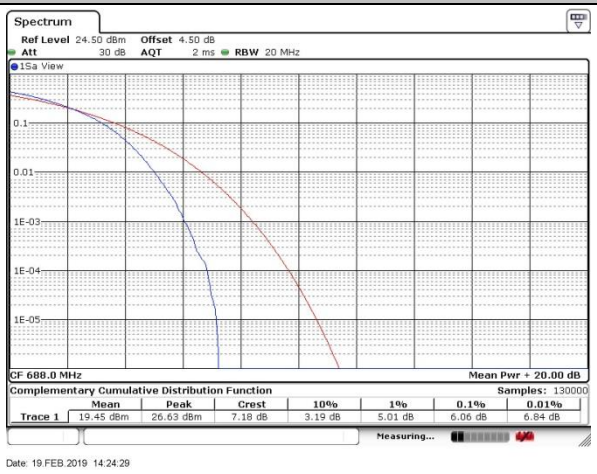


Middle Channel / Full RB



Highest Channel / 1RB

Highest Channel / Full RB



26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.915	4.905	9.89	9.71	14.42	14.57	20.1	20.14
Middle CH					4.885	4.855	9.97	9.75	14.66	14.33	20.1	20.22
Highest CH					4.895	4.895	9.79	9.87	14.48	14.48	20.26	20.26
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	4.915		9.71		14.66		20.14					
Middle CH	4.905		9.75		14.21		20.14					
Highest CH	4.795		9.93		14.15		20.14					

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	1.228	3.027	3.009	4.895	4.915	9.71	9.79				
Middle CH	1.2336	1.2252	3.021	2.997	4.965	4.865	9.87	9.75				
Highest CH	1.2196	1.2112	3.0509	3.045	4.985	4.815	9.77	9.83				
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2168		3.009		4.865		9.81					
Middle CH	1.228		3.021		4.915		9.65					
Highest CH	1.242		3.039		4.895		9.81					

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.875	4.925			4.905							
Middle CH	4.865	4.975	9.83	9.77	4.885	9.79						
Highest CH	4.935	4.855			4.905							

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	1.2252	1.2336	3.033	3.027	4.905	4.905	10.03	9.71	14.416	14.296	20.1	20.26
Middle CH	1.2336	1.2364	3.015	3.0509	4.845	4.855	9.85	9.69	14.446	14.266	20.26	20.42
Highest CH	1.242	1.2364	2.967	2.991	4.905	4.925	9.69	9.71	14.416	14.146	20.22	20.14
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2448		3.0509		4.885		9.87		14.535		20.18	
Middle CH	1.228		3.015		4.955		9.85		14.356		20.22	
Highest CH	1.2252		3.009		4.895		9.87		14.625		20.1	

Mode	LTE Band 26 : 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	1.222	1.234	3.021	3.009	4.815	4.885	9.83	9.63	14.416	14.505	-	-
Middle CH	1.234	1.234	2.997	2.973	4.965	4.825	9.83	9.65	14.535	14.326	-	-
Highest CH	1.242	1.217	3.033	2.997	4.925	4.945	9.79	9.87	14.416	14.476	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz							
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM							
Lowest CH	1.239	3.015	4.875	9.73	14.206							
Middle CH	1.239	3.033	4.945	9.87	14.356							
Highest CH	1.231	2.985	4.845	9.81	14.476							

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.925	4.895	9.95	9.75	14.326	14.116	20.02	20.06	4.875	9.73	14.116	20.1
Middle CH	4.935	4.925	9.73	9.69	14.476	14.116	20.14	20.18	4.895	9.77	14.146	20.14
Highest CH	5.035	4.835	9.67	9.63	14.176	14.446	20.14	20.06	4.805	9.75	14.116	19.98

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	1.217	1.217	3.039	3.087	4.915	4.905	9.83	9.85	14.296	14.356	20.42	20.1
Middle CH	1.228	1.228	3.033	2.985	4.935	4.915	9.93	9.77	14.296	14.416	20.1	20.18
Highest CH	1.222	1.231	3.009	3.057	4.975	4.985	9.69	9.73	14.386	14.446	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	1.236		2.997		4.925		9.79		14.595		20.34	
Middle CH	1.222		3.057		4.885		9.83		14.386		20.02	
Highest CH	1.217		3.027		4.925		9.87		14.565		20.1	

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.975	4.945	9.730	9.830	14.326	14.206	20.140	20.340	4.865	9.690	14.416	20.060
Middle CH	4.895	4.865	9.670	9.950	14.655	14.446	20140	20.420	4.835	9.750	14.386	20.180
Highest CH	4.955	4.985	9.810	9.730	14.266	14.206	20.180	20.020	4.845	9.830	14.326	20.220

For CA

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.725	25.225	29.79	25.325	30.569
Middle CH	24.825	25.275	29.91	25.275	30.749
Highest CH	24.775	25.225	29.97	25.225	30.689
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.965	25.025	30.21	34.965	39.96
Middle CH	35.035	24.975	30.09	34.895	40.28
Highest CH	34.895	25.025	29.97	35.035	39.88

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.725	25.325	29.85	25.275	30.509
Middle CH	24.875	25.375	29.91	25.375	30.689
Highest CH	24.925	25.175	29.85	25.125	30.569
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895	24.925	30.15	34.895	40.04
Middle CH	34.965	24.925	30.03	34.965	39.96
Highest CH	34.895	24.975	30.03	35.035	39.88

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.675	25.125	30.03	25.075	30.689
Middle CH	24.725	25.225	29.85	25.175	30.509
Highest CH	24.725	25.225	29.91	25.275	30.689
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.965	24.775	29.97	34.825	39.80
Middle CH	34.825	24.925	30.09	35.105	39.96
Highest CH	34.825	24.975	30.09	35.035	39.88

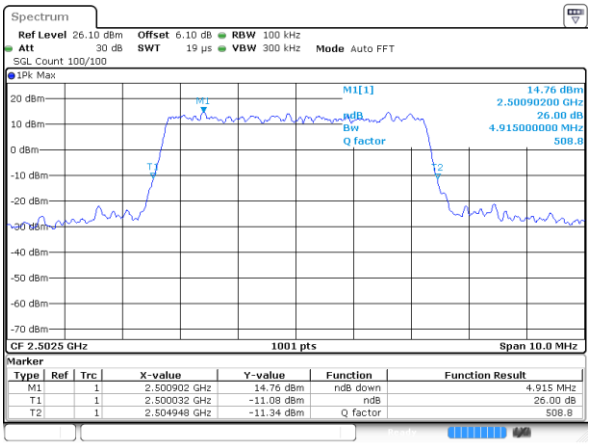
Mode	LTE Band 5 : 26dB BW(MHz)				
QPSK					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	16.064	16.214	20.979		
Middle CH	15.944	16.124	20.899		
Highest CH	15.914	16.034	20.939		

Mode	LTE Band 5 : 26dB BW(MHz)				
16QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	15.884	16.184	20.979		
Middle CH	15.914	16.064	20.939		
Highest CH	15.824	16.004	20.819		

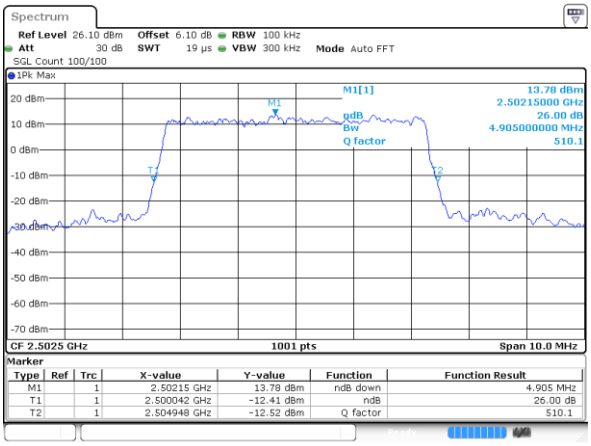
Mode	LTE Band 5 : 26dB BW(MHz)				
64QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	15.974	16.094	20.859		
Middle CH	16.064	16.064	20.979		
Highest CH	16.124	16.154	20.739		

LTE Band 7

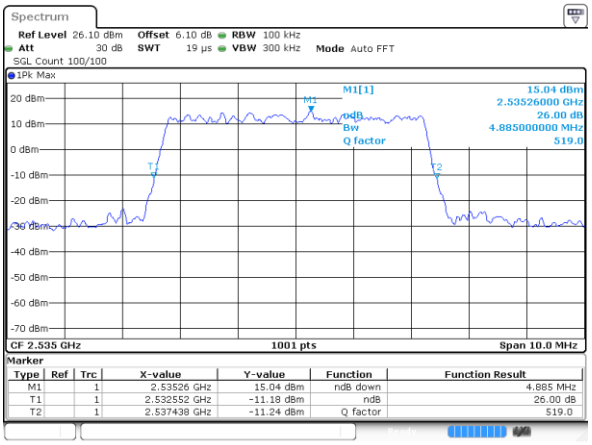
Lowest Channel / 5MHz / QPSK



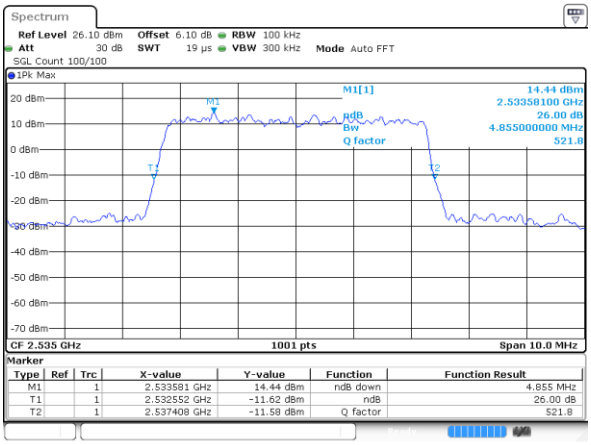
Lowest Channel / 5MHz / 16QAM



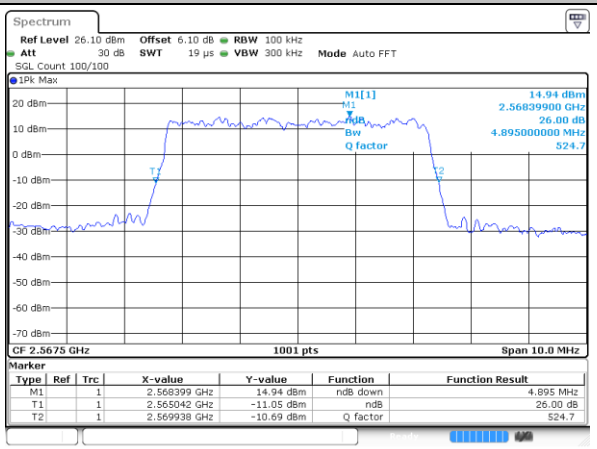
Middle Channel / 5MHz / QPSK



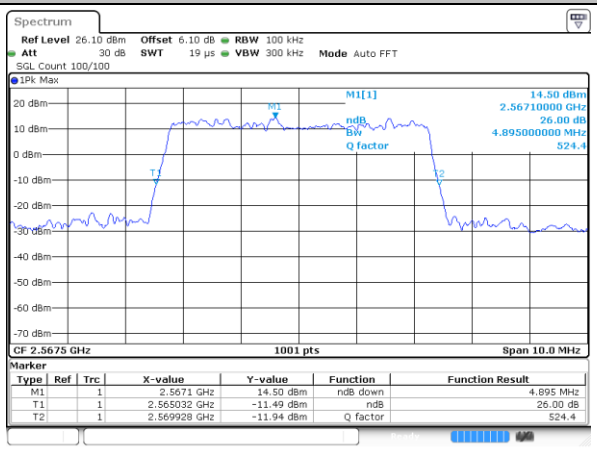
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

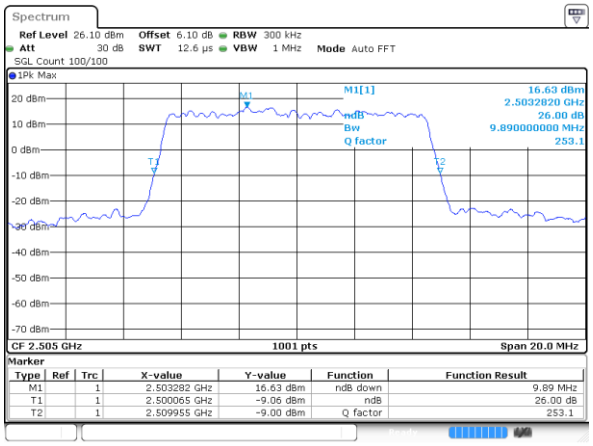


Highest Channel / 5MHz / 16QAM

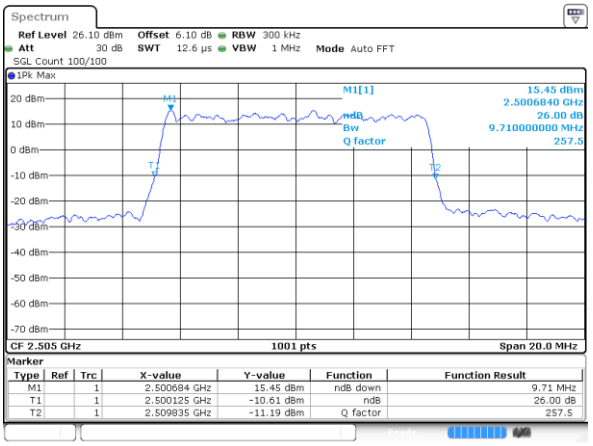


LTE Band 7

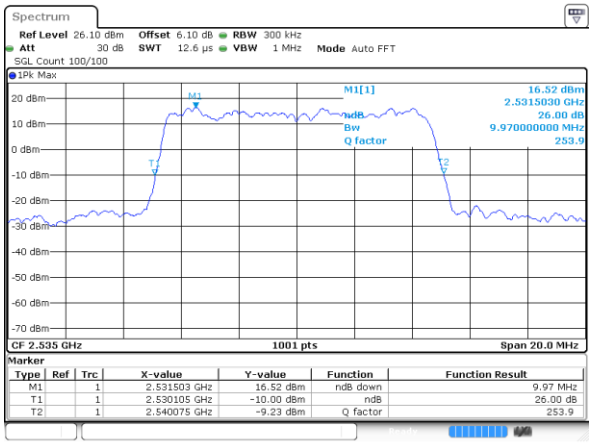
Lowest Channel / 10MHz / QPSK



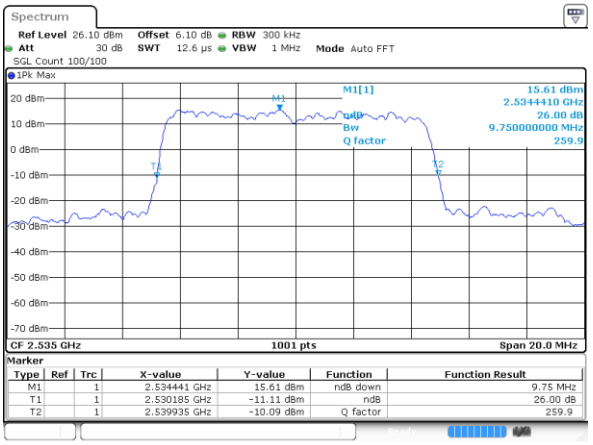
Lowest Channel / 10MHz / 16QAM



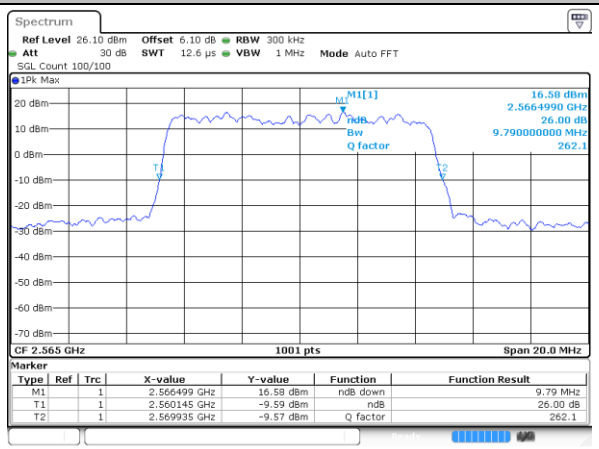
Middle Channel / 10MHz / QPSK



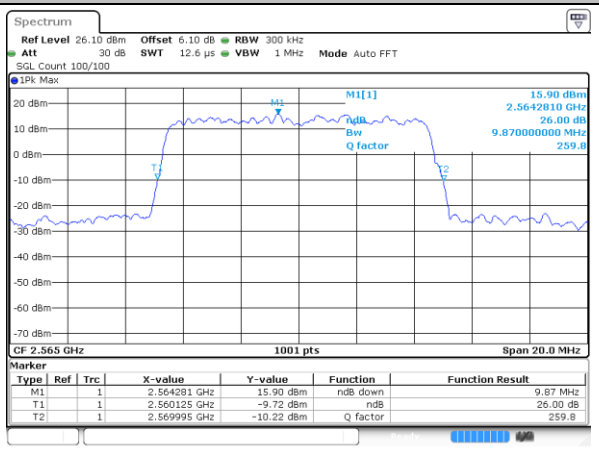
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

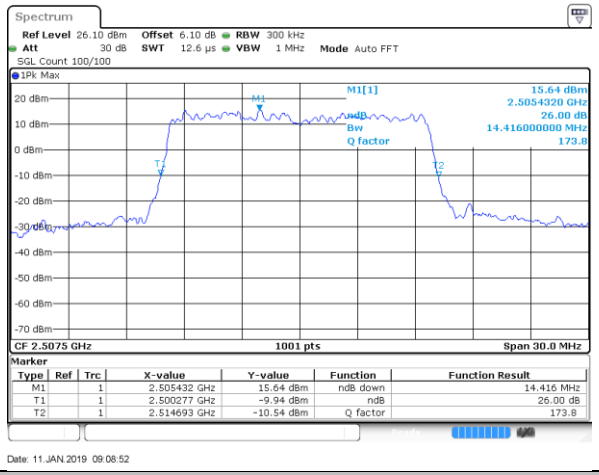


Highest Channel / 10MHz / 16QAM

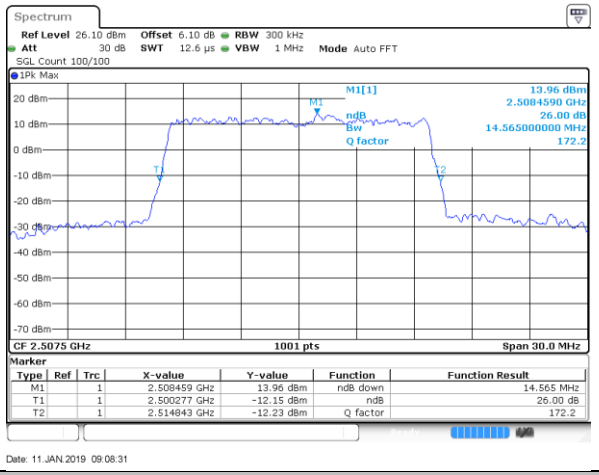


LTE Band 7

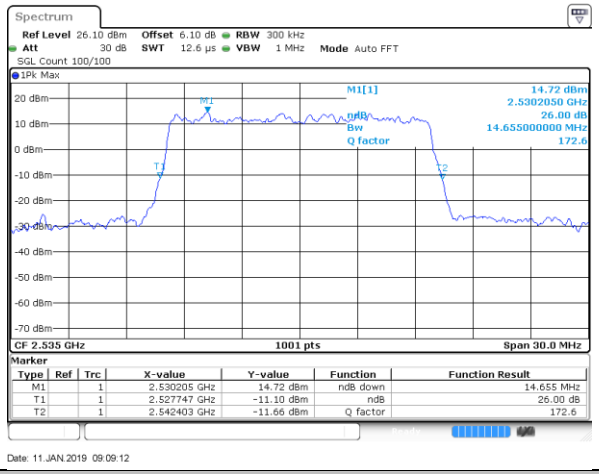
Lowest Channel / 15MHz / QPSK



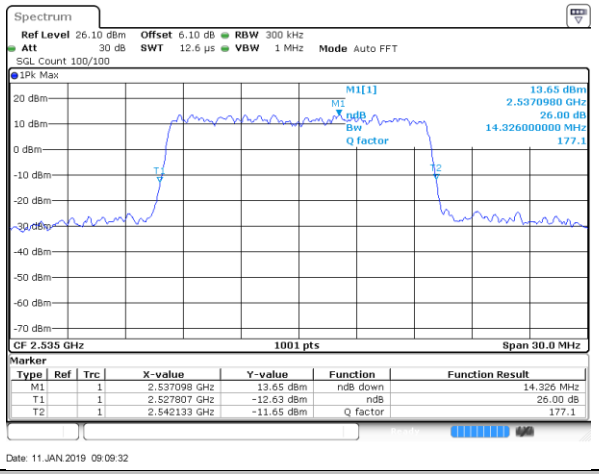
Lowest Channel / 15MHz / 16QAM



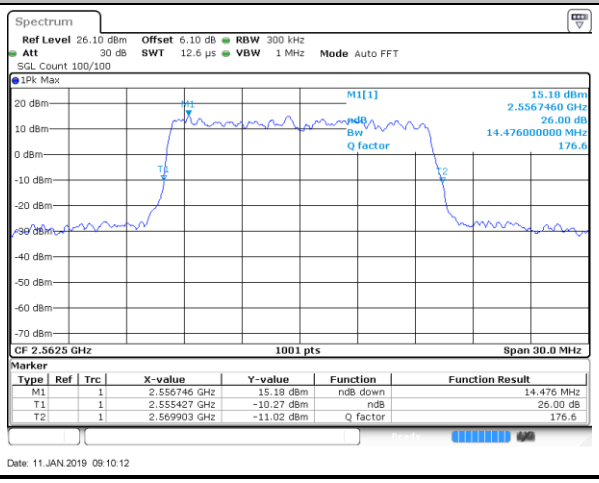
Middle Channel / 15MHz / QPSK



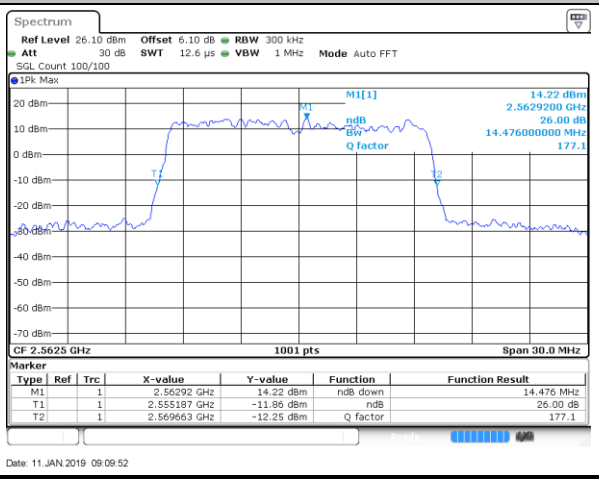
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

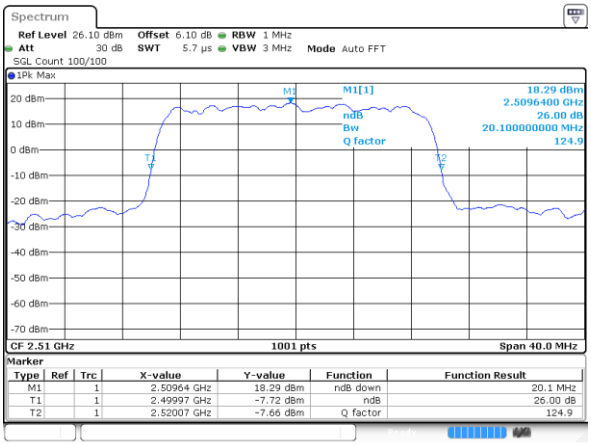


Highest Channel / 15MHz / 16QAM

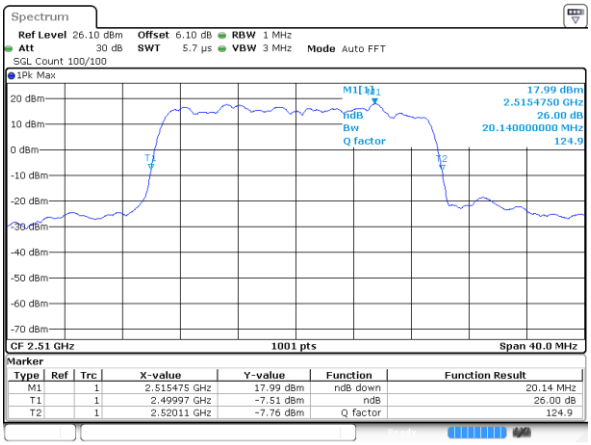


LTE Band 7

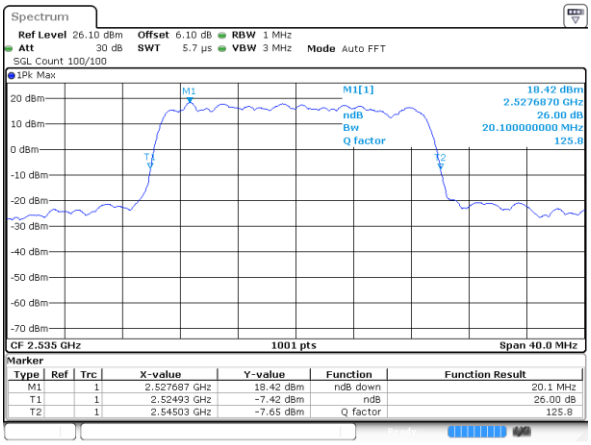
Lowest Channel / 20MHz / QPSK



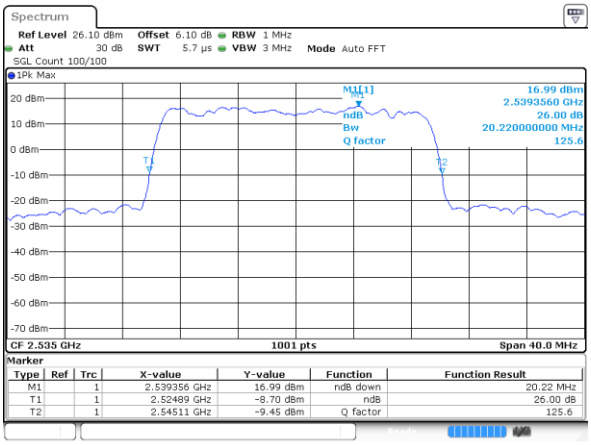
Lowest Channel / 20MHz / 16QAM



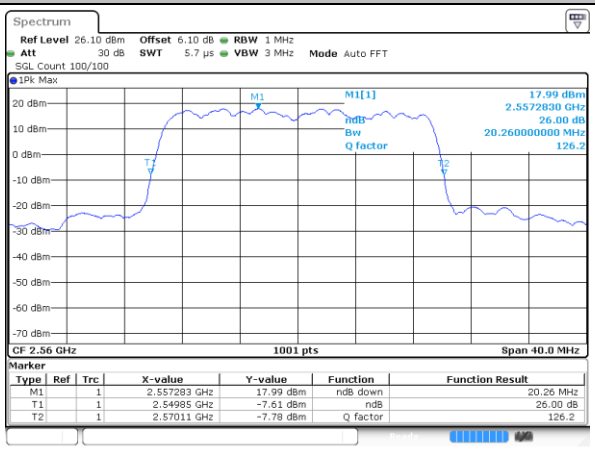
Middle Channel / 20MHz / QPSK



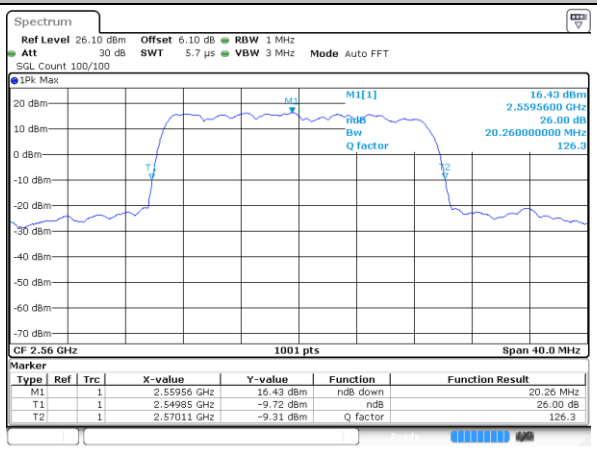
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

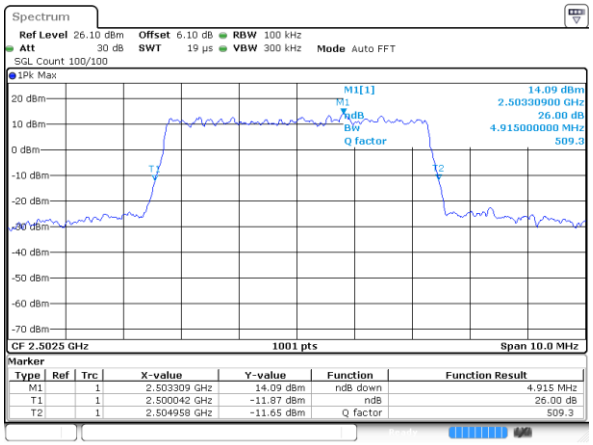


Highest Channel / 20MHz / 16QAM

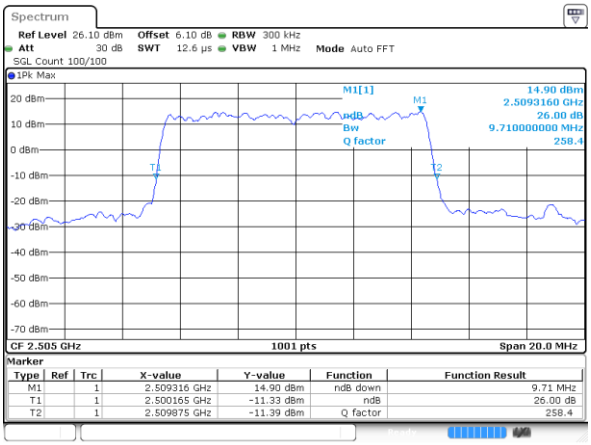


LTE Band 7

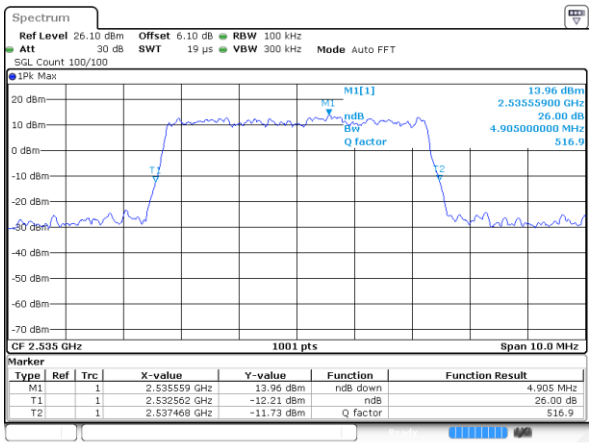
Lowest Channel / 5MHz / 64QAM



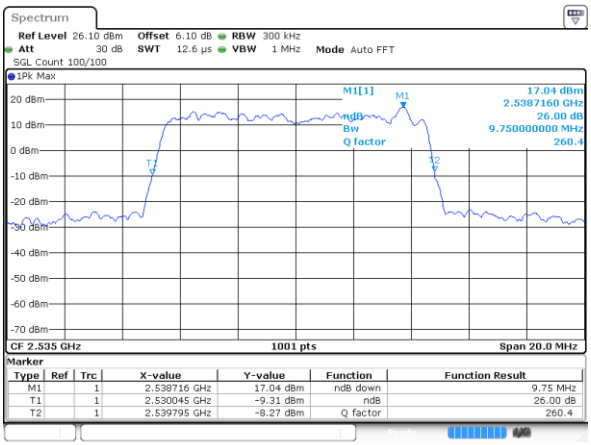
Lowest Channel / 10MHz / 64QAM



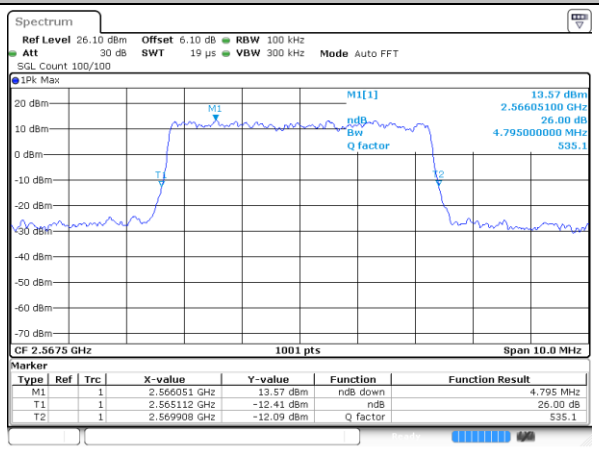
Middle Channel / 5MHz / 64QAM



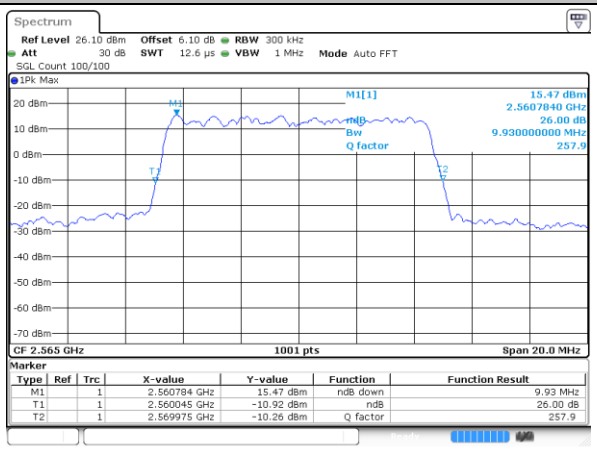
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

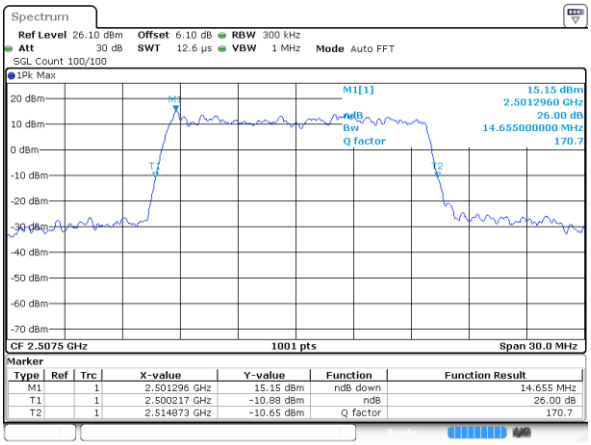


Highest Channel / 10MHz / 64QAM

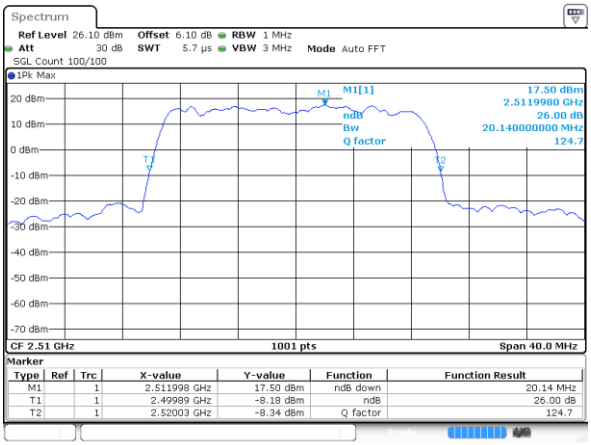


LTE Band 7

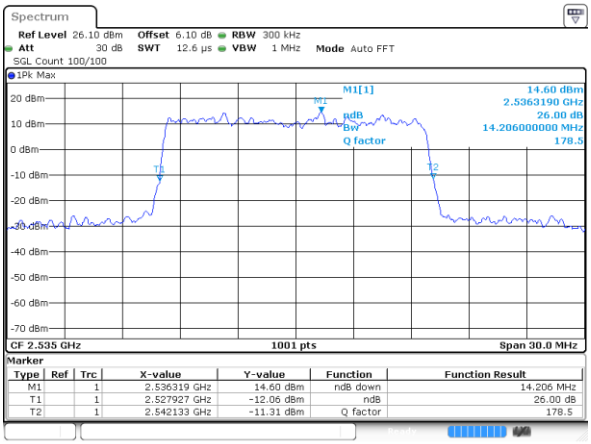
Lowest Channel / 15MHz / 64QAM



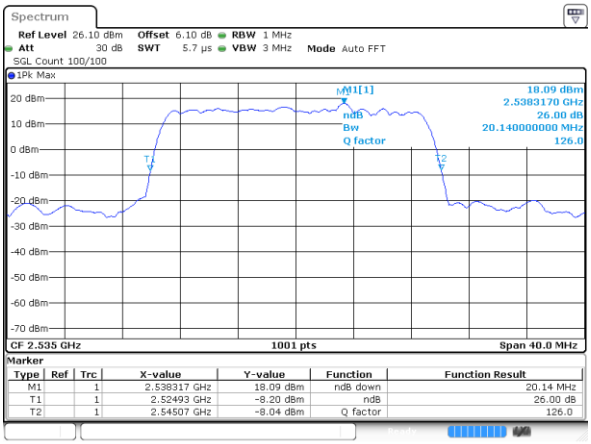
Lowest Channel / 20MHz / 64QAM



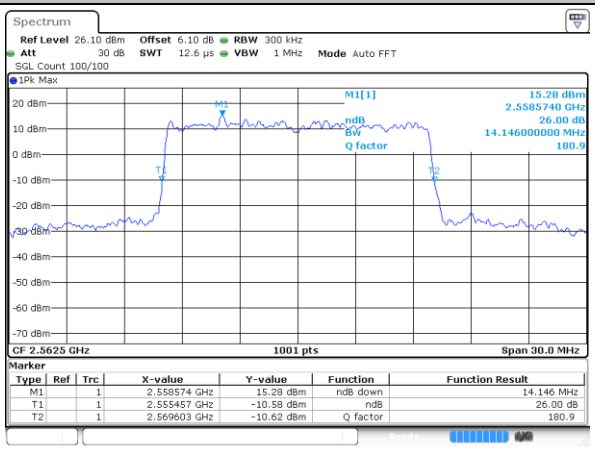
Middle Channel / 15MHz / 64QAM



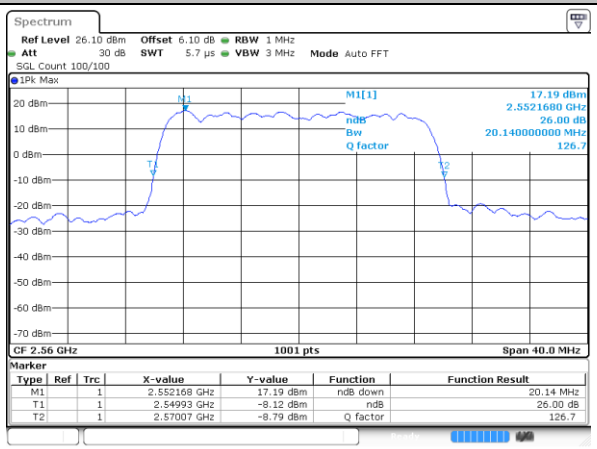
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

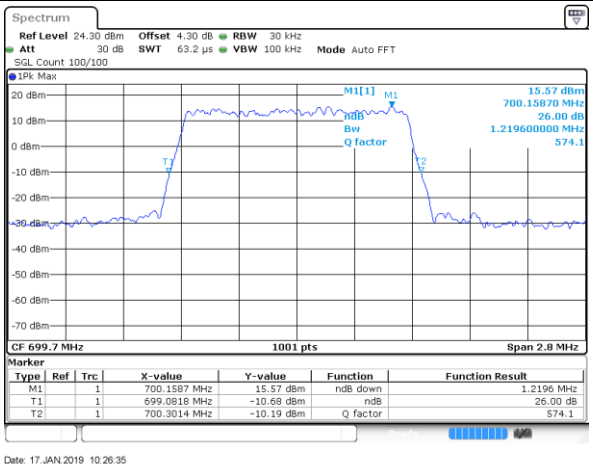


Highest Channel / 20MHz / 64QAM

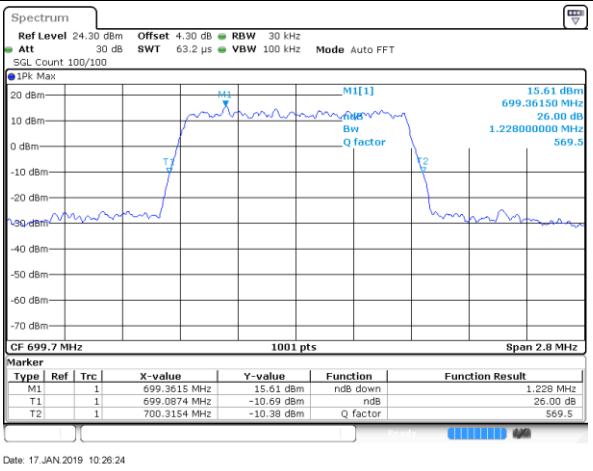


LTE Band 12

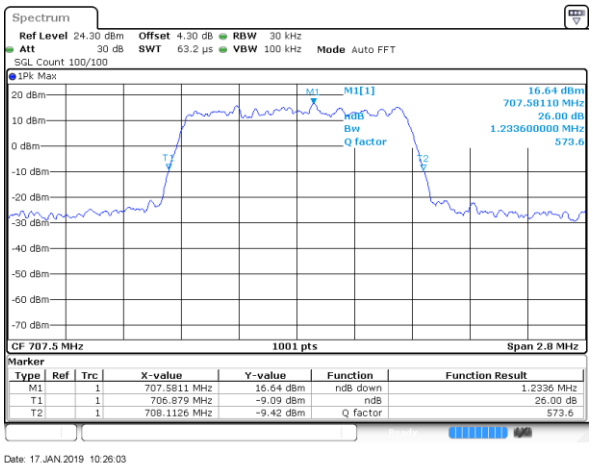
Lowest Channel / 1.4MHz / QPSK



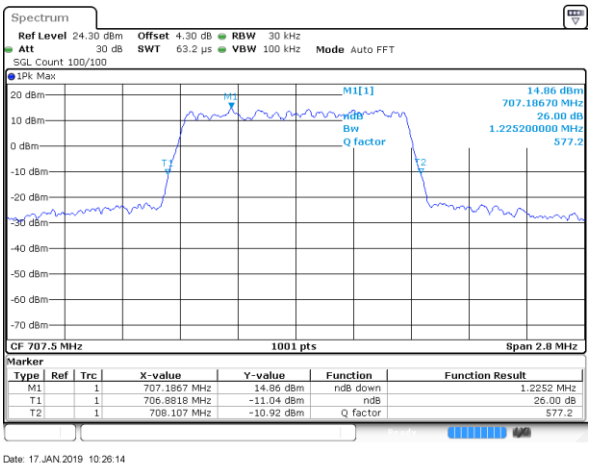
Lowest Channel / 1.4MHz / 16QAM



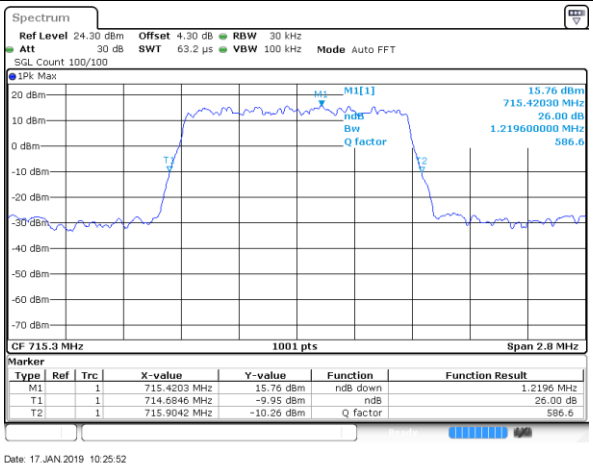
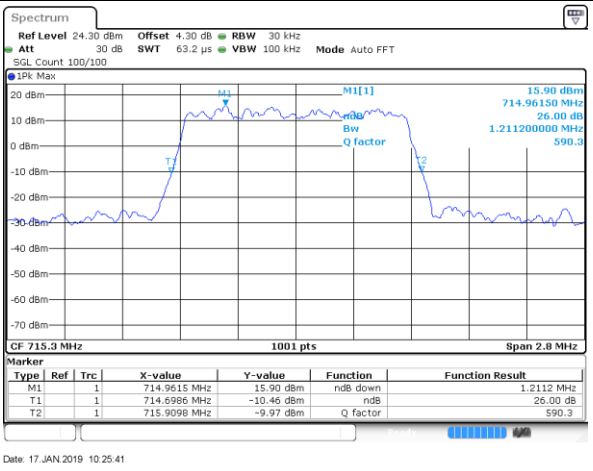
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM