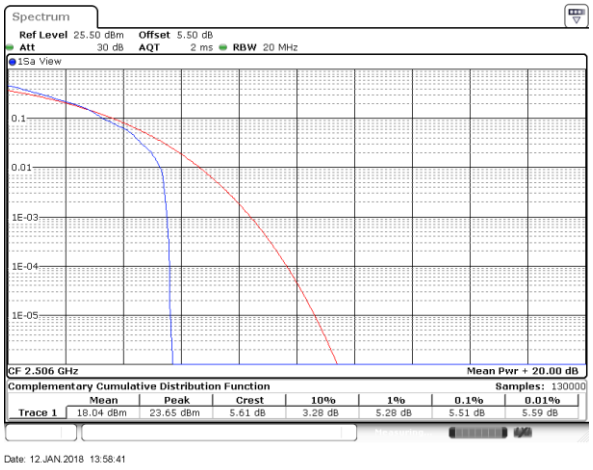
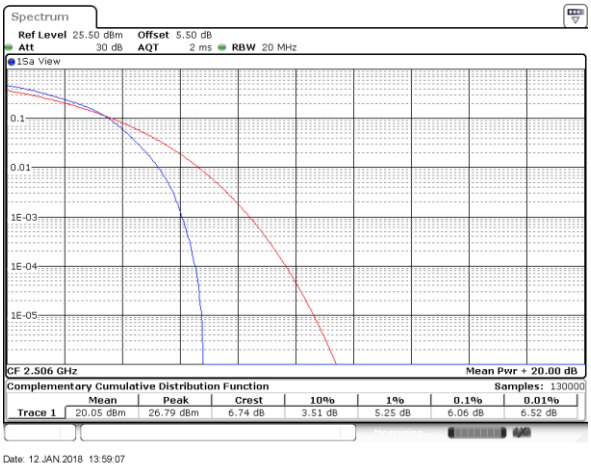
LTE Band 41 / 20MHz / 64QAM

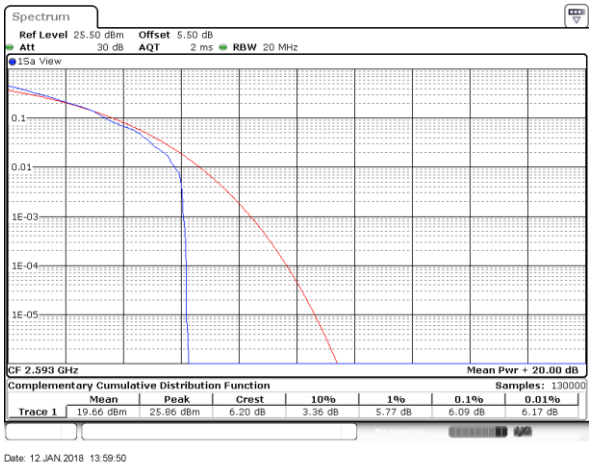
Lowest Channel / 1RB



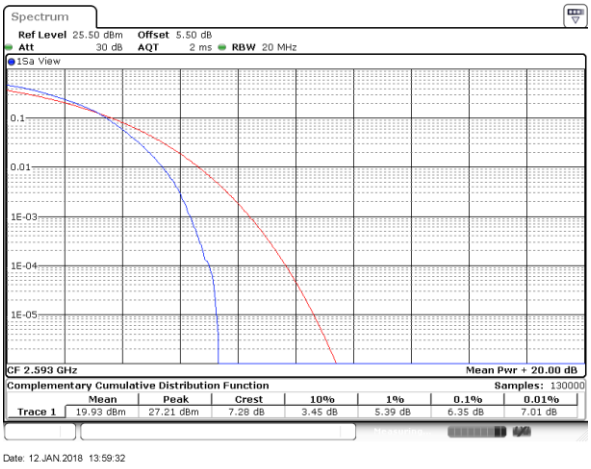
Lowest Channel / Full RB



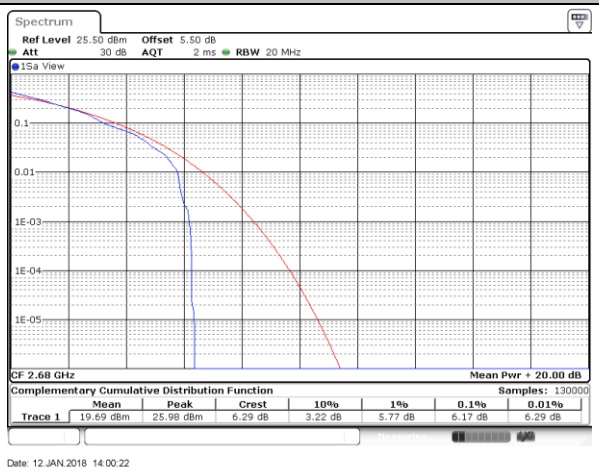
Middle Channel / 1RB



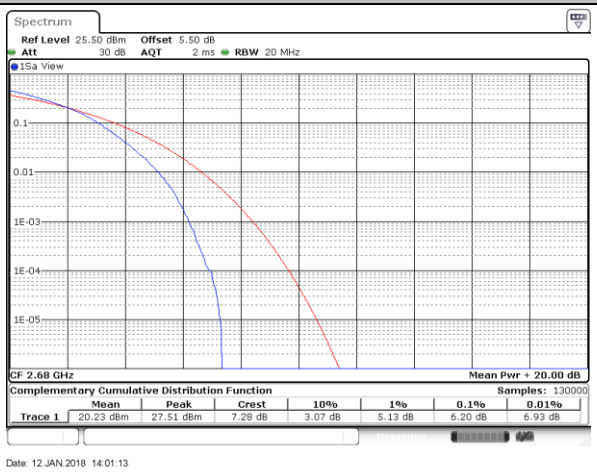
Middle Channel / Full RB



Highest Channel / 1RB

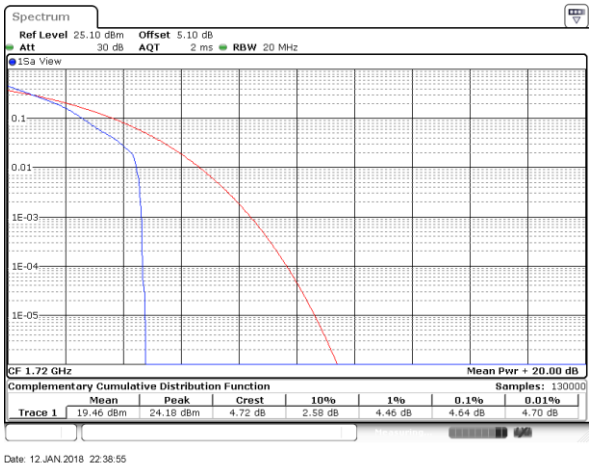


Highest Channel / Full RB

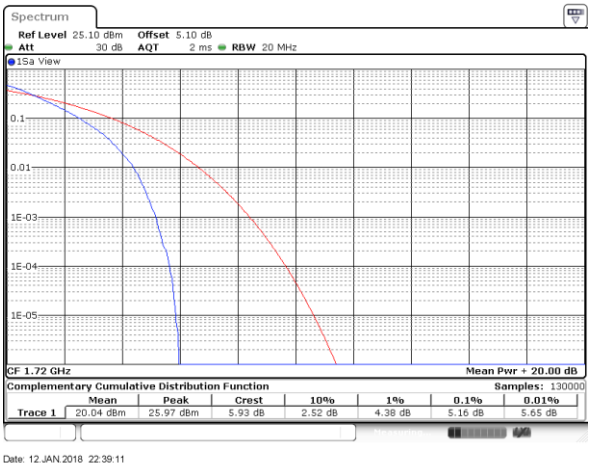


LTE Band 66 / 20MHz / QPSK

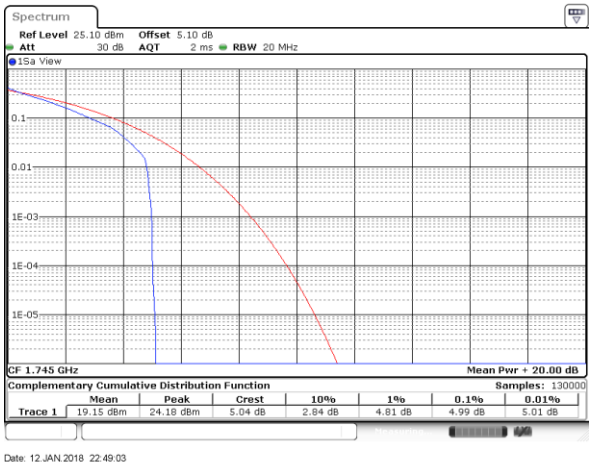
Lowest Channel / 1RB



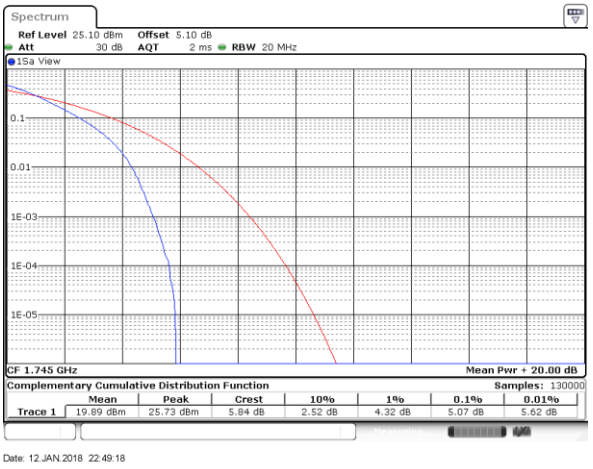
Lowest Channel / Full RB



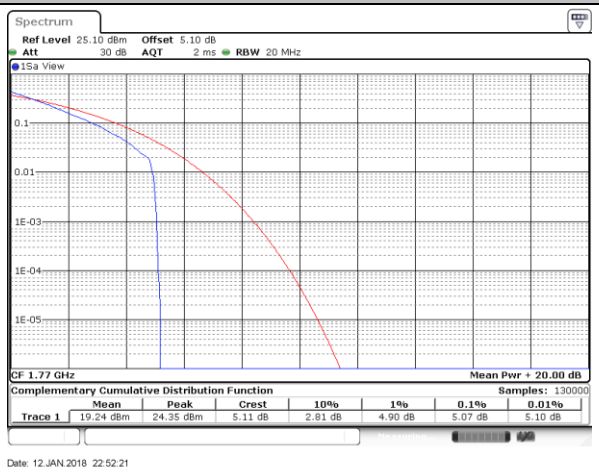
Middle Channel / 1RB



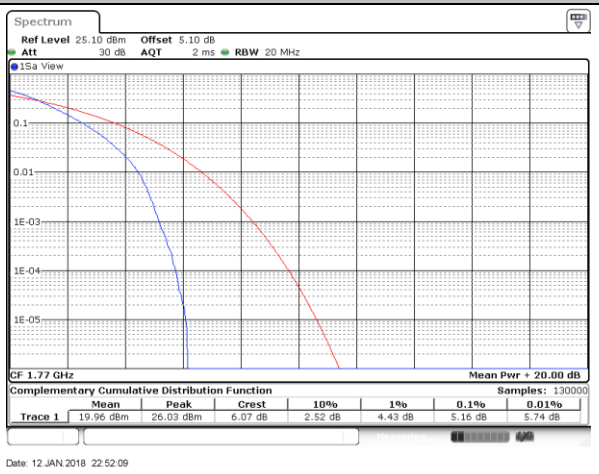
Middle Channel / Full RB



Highest Channel / 1RB

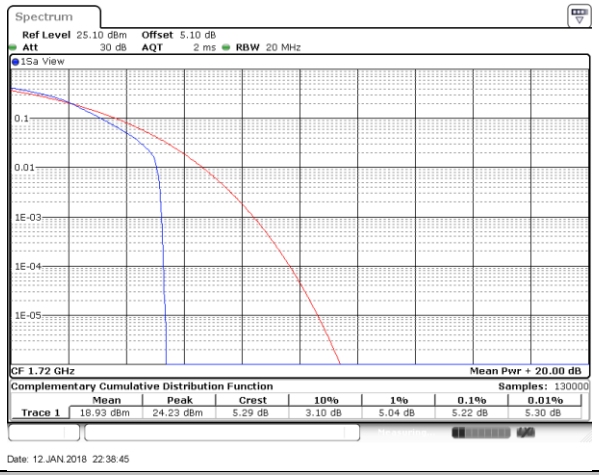


Highest Channel / Full RB

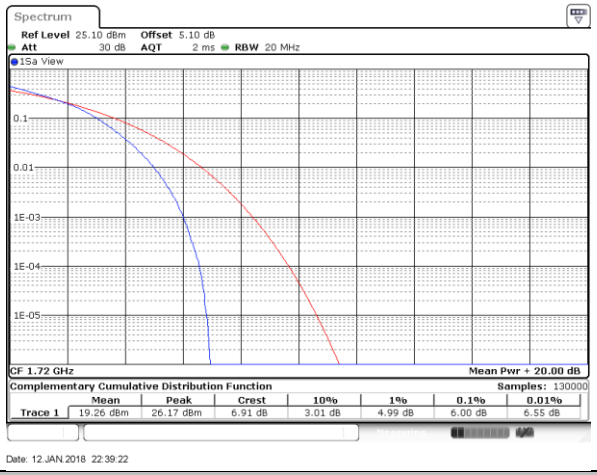


LTE Band 66 / 20MHz / 16QAM

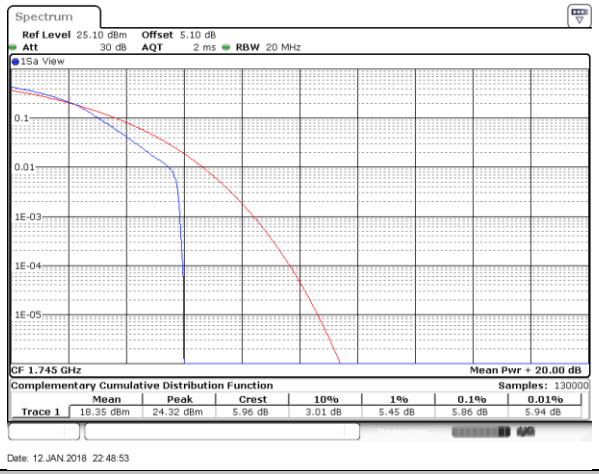
Lowest Channel / 1RB



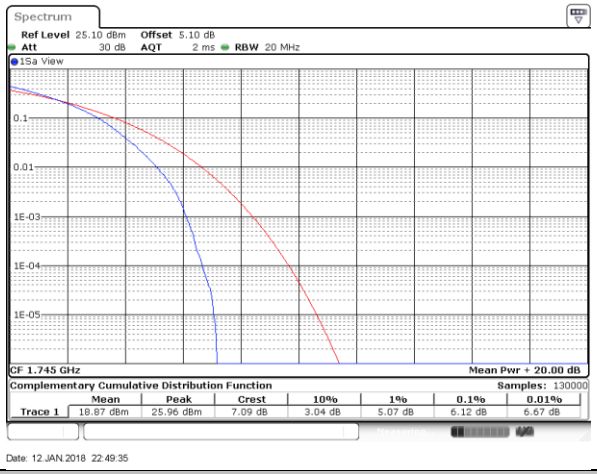
Lowest Channel / Full RB



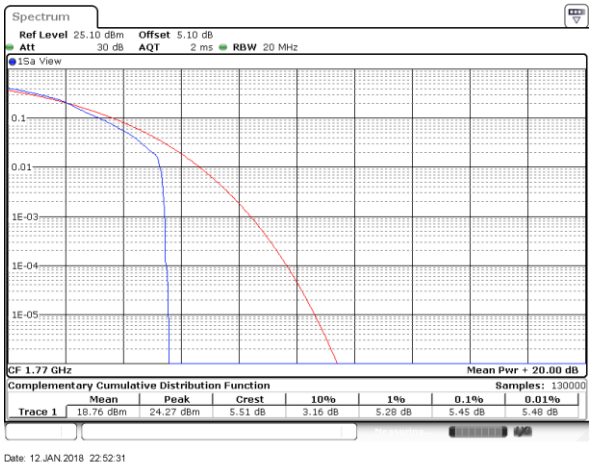
Middle Channel / 1RB



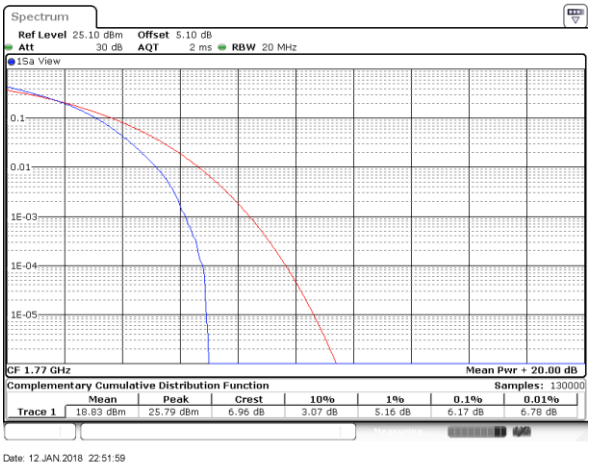
Middle Channel / Full RB



Highest Channel / 1RB

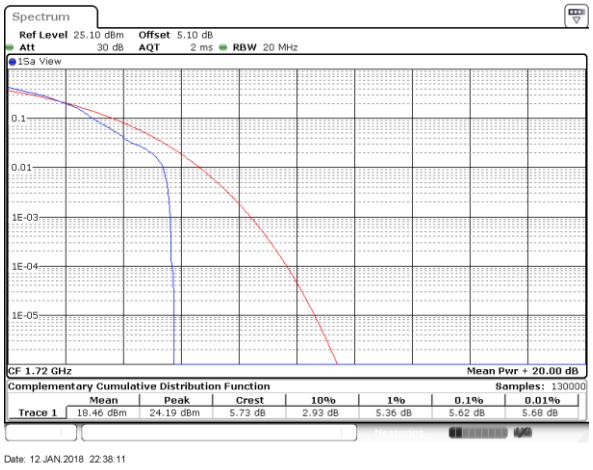


Highest Channel / Full RB

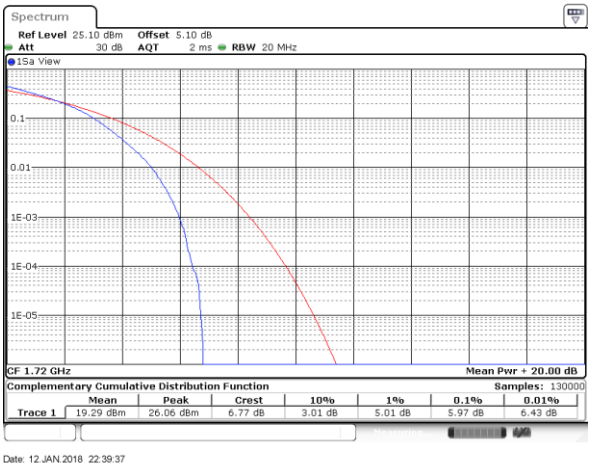


LTE Band 66 / 20MHz / 64QAM

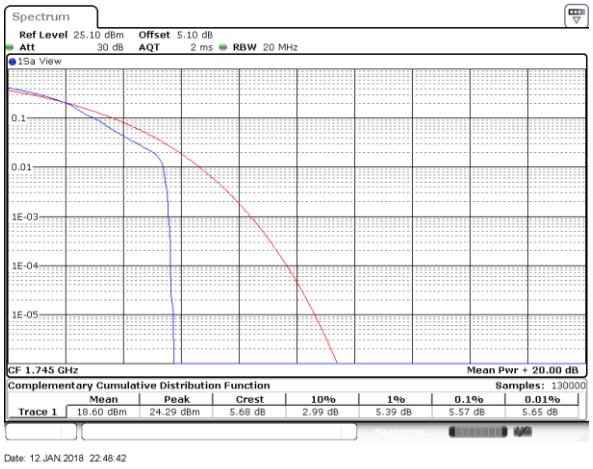
Lowest Channel / 1RB



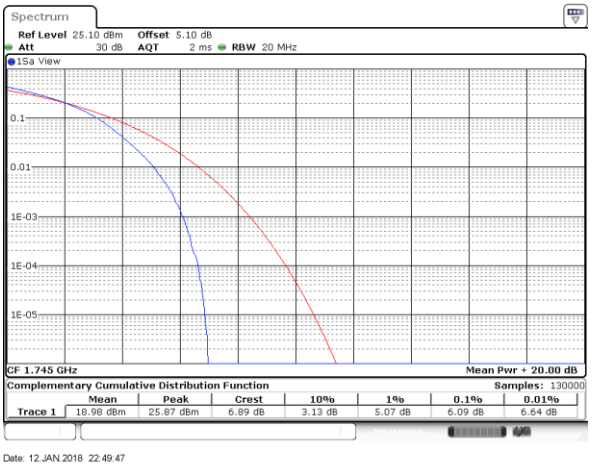
Lowest Channel / Full RB



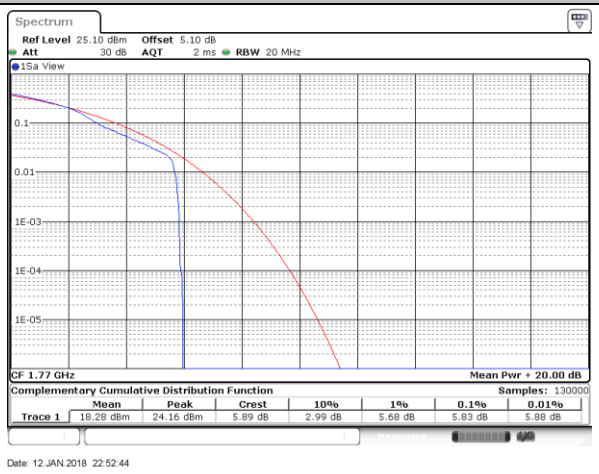
Middle Channel / 1RB



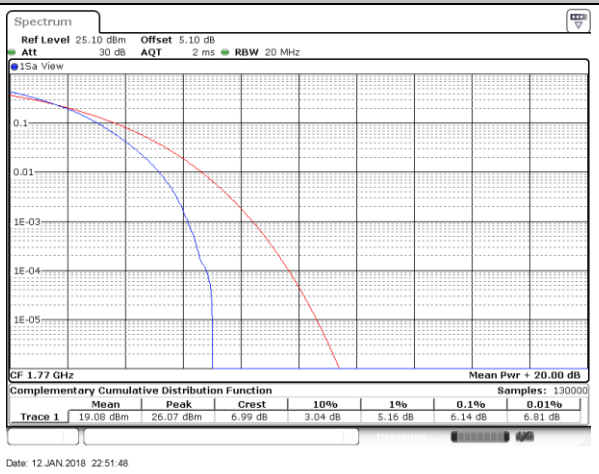
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



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	1.29	1.259	3.021	3.027	4.845	4.945	9.79	9.79	14.416	14.535	20.26	20.42
Middle CH	1.295	1.29	3.015	2.973	4.965	4.885	9.75	9.69	14.356	14.356	20.14	20.1
Highest CH	1.29	1.262	2.979	2.979	4.915	4.855	9.83	9.77	14.326	14.565	20.14	20.1
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.281		3.015		4.875		9.77		14.625		20.34	
Middle CH	1.273		3.003		4.895		9.63		14.326		20.26	
Highest CH	1.281		3.015		4.915		9.61		14.416		20.14	

Mode	LTE Band 4 : 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	1.31	3.00	3.03	4.89	4.83	9.95	9.65	14.33	14.39	20.30	19.98
Middle CH	1.32	1.28	2.99	3.00	4.89	4.83	9.83	9.71	14.39	14.45	20.26	20.26
Highest CH	1.25	1.28	3.00	3.01	4.90	4.91	9.87	9.77	14.27	14.33	20.14	20.26
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.28		2.99		4.92		9.99		14.51		20.30	
Middle CH	1.28		2.99		4.89		9.73		14.78		20.30	
Highest CH	1.29		2.98		4.91		9.63		14.48		20.02	

Mode	LTE Band 5 : 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	1.27	1.30	3.00	3.07	4.94	4.90	9.67	9.79	1.27	3.00	4.92	9.85
Middle CH	1.28	1.29	2.99	3.03	4.96	4.88	9.73	9.77	1.29	3.01	4.84	9.83
Highest CH	1.27	1.27	3.02	3.01	4.89	4.93	9.75	9.75	1.29	2.97	4.95	9.71

Mode	LTE Band 7 : 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	4.905	9.75	9.85	14.416	14.535	20.22	20.02	4.865	9.95	14.236	20.34
Middle CH	4.875	4.845	9.75	9.99	14.476	14.296	20.14	20.14	4.915	9.73	14.416	20.14
Highest CH	4.965	4.945	9.85	9.69	14.386	14.416	20.22	20.14	4.855	9.77	14.356	20.22

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	1.25	1.298	3.021	3.057	4.955	4.835	9.79	9.79	1.281	3.021	5.035	9.67
Middle CH	1.284	1.278	3.039	2.997	4.955	4.865	9.87	9.81	1.262	3.015	4.955	9.63
Highest CH	1.298	1.267	3.033	3.039	4.995	4.755	9.65	9.67	1.278	2.979	4.965	9.69

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM		64QAM					
Lowest CH	4.815	5.035	-	-	4.945							
Middle CH	4.995	4.805	9.67	9.73	4.955		9.77					
Highest CH	4.855	4.985	-	-	4.905							

Mode	LTE Band 17 : 26dB BW(MHz)											
BW					5MHz		10MHz		5MHz	10MHz		
Mod.					QPSK	16QAM	QPSK	16QAM	64QAM	64QAM		
Lowest CH	-	-	-	-	4.965	4.865	9.77	9.89	4.895	9.91	-	-
Middle CH	-	-	-	-	4.925	4.885	9.81	9.83	4.865	9.75	-	-
Highest CH	-	-	-	-	4.915	4.925	9.73	9.71	4.975	9.93	-	-

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	1.276	1.287	2.997	3.021	5.045	4.935	9.69	9.73	14.416	14.326	20.26	20.22
Middle CH	1.273	1.281	3.021	3.045	4.985	4.965	10.05	9.87	14.266	14.416	20.34	20.18
Highest CH	1.267	1.298	3.039	3.021	5.025	5.025	9.87	9.83	14.326	14.356	20.1	20.22
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.295		3.009		4.915		9.95		14.356		20.14	
Middle CH	1.287		3.009		4.895		9.85		14.296		20.18	
Highest CH	1.320		2.937		4.935		9.77		14.446		20.22	

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	1.27	1.27	3.02	2.99	4.96	4.92	9.69	9.83	14.42	14.63	14.33	14.33
Middle CH	1.26	1.27	3.02	3.00	4.88	4.94	9.81	9.85	14.57	14.30	-	-
Highest CH	1.26	1.30	2.98	3.03	5.02	4.91	9.65	9.65	14.18	14.39	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	CH26765						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.26	2.99	4.97	9.87	14.36	14.45						
Middle CH	1.28	3.02	4.86	9.81	14.39	-						
Highest CH	1.26	3.01	4.89	9.81	14.12	-						

Mode	LTE Band 38 : 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	4.705	4.925	9.65	9.75	14.416	14.326	20.26	20.3	4.865	9.61	14.236	20.18
Middle CH	4.915	4.935	9.77	9.85	14.296	14.416	20.1	20.02	4.975	9.79	14.565	20.1
Highest CH	4.765	4.905	9.83	9.87	14.296	14.356	20.1	20.18	4.865	9.95	14.476	20.34

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	4.745	4.855	9.69	9.65	14.146	14.446	20.26	20.18	4.905	9.73	14.146	20.18
Middle CH	4.835	4.835	9.79	9.63	14.386	14.386	20.18	20.18	4.915	9.83	14.296	20.14
Highest CH	4.885	4.775	9.89	9.79	14.266	14.116	20.22	20.26	4.785	9.85	14.146	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	1.248	1.292	3.003	3.039	4.935	4.885	9.87	9.77	14.446	14.505	20.22	20.18
Middle CH	1.312	1.273	3.015	2.955	4.835	4.935	9.77	9.85	14.146	14.326	20.34	20.06
Highest CH	1.287	1.29	3.057	3.015	4.795	4.975	9.67	9.85	14.446	14.386	20.22	20.14

BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.29	2.991	4.855	9.83	14.655	20.26
Middle CH	1.264	2.973	4.945	9.67	14.416	20.18
Highest CH	1.284	2.991	4.965	9.89	14.206	20.22

Band 41CA

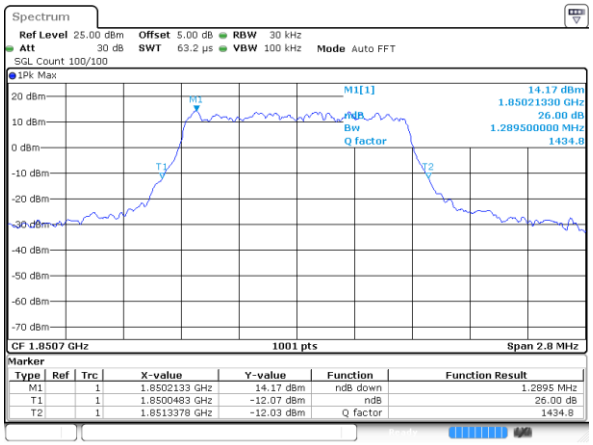
Mode	LTE Band 41 : 26dB BW(MHz)								
BW	5MHz+20MHz			10MHz+20MHz			15MHz+15MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	24.925	24.625	24.775	29.79	29.85	29.79	30.689	30.45	30.629
Middle CH	24.825	24.675	24.725	29.73	29.79	29.61	30.33	30.33	30.509
Highest CH	24.625	24.625	24.675	29.91	29.61	29.67	30.569	30.509	30.15

Mode	LTE Band 41 : 26dB BW(MHz)								
BW	15MHz+20MHz			20MHz+5MHz			20MHz+10MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	34.755	34.825	34.825	25.225	25.075	25.125	29.91	29.91	29.73
Middle CH	34.685	34.685	34.755	25.225	25.175	25.075	30.03	30.03	29.97
Highest CH	34.825	34.895	34.825	25.225	25.275	25.175	29.97	29.97	30.03

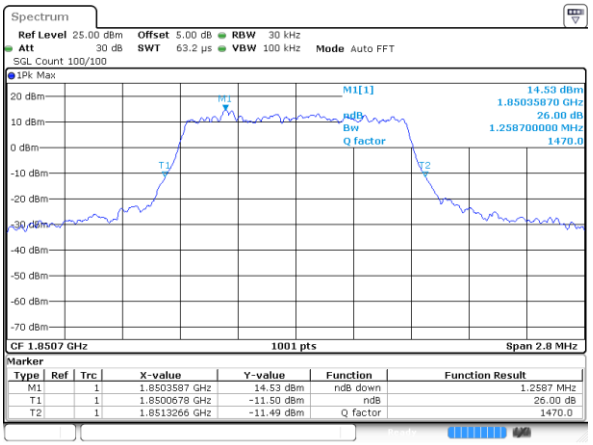
Mode	LTE Band 41 : 26dB BW(MHz)					
BW	20MHz+15MHz			20MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	34.965	34.755	34.755	39.64	39.72	39.64
Middle CH	35.035	34.965	34.825	39.80	39.72	39.80
Highest CH	34.825	34.895	34.825	39.72	39.80	39.56

LTE Band 2

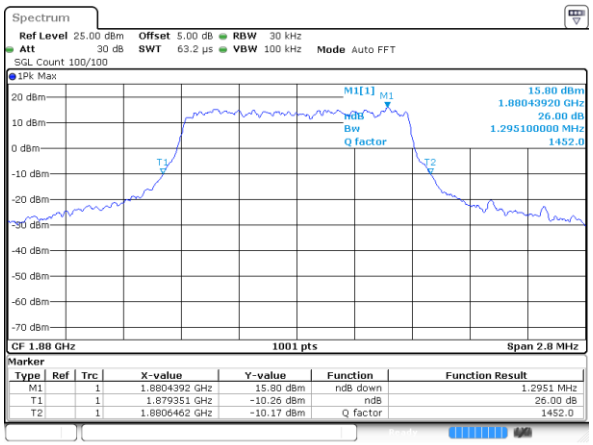
Lowest Channel / 1.4MHz / QPSK



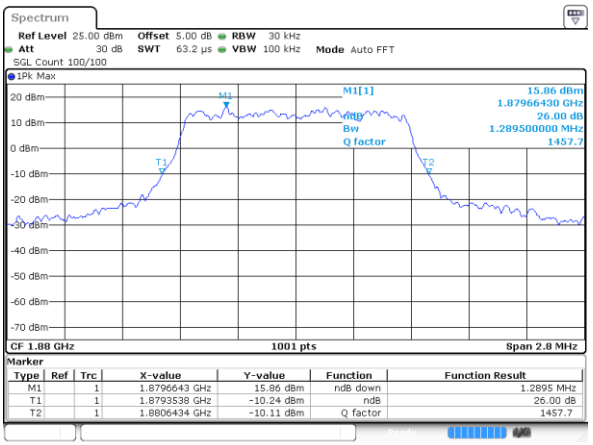
Lowest Channel / 1.4MHz / 16QAM



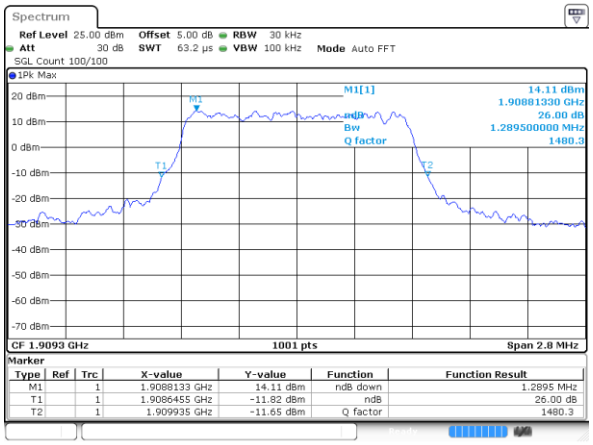
Middle Channel / 1.4MHz / QPSK



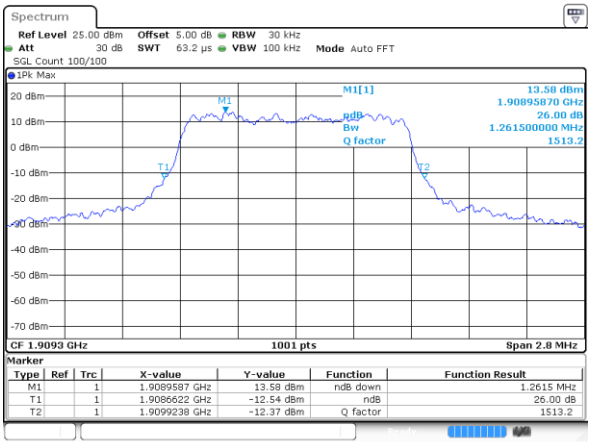
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

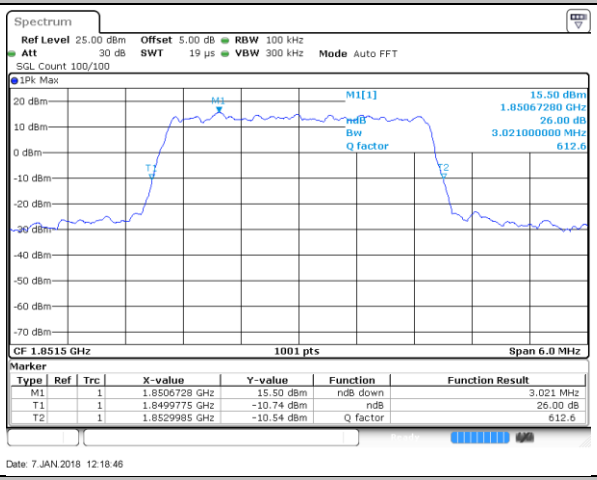


Highest Channel / 1.4MHz / 16QAM

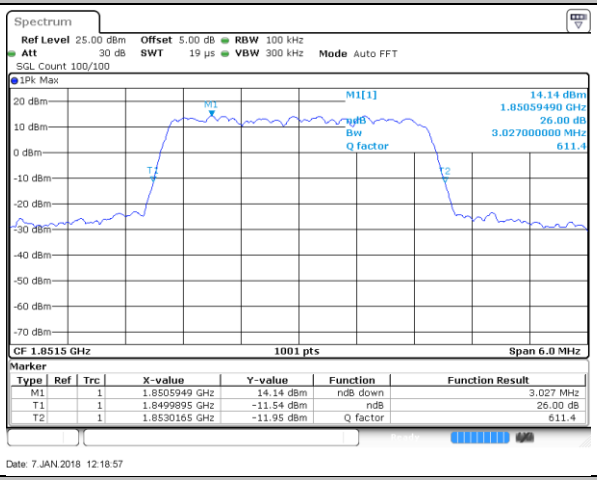


LTE Band 2

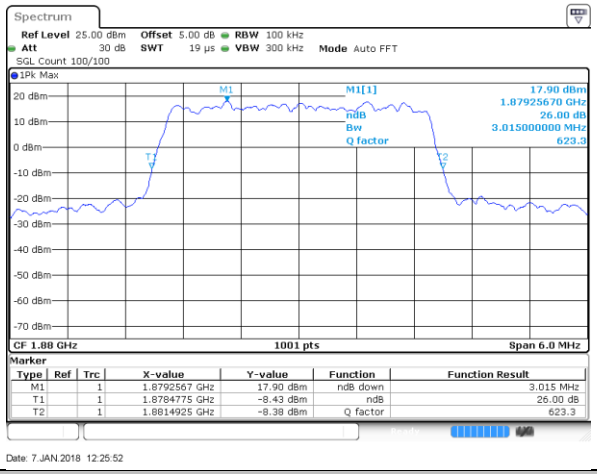
Lowest Channel / 3MHz / QPSK



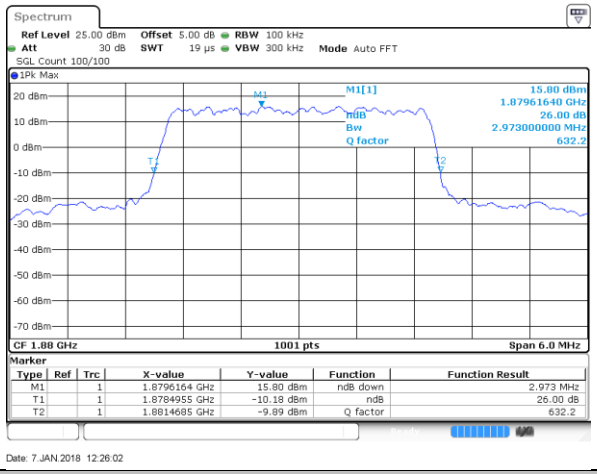
Lowest Channel / 3MHz / 16QAM



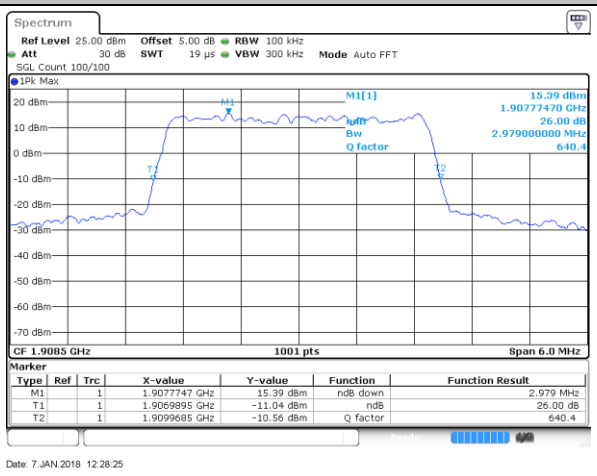
Middle Channel / 3MHz / QPSK



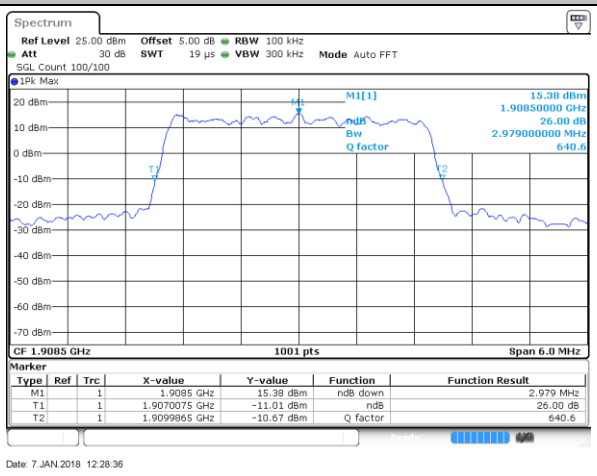
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

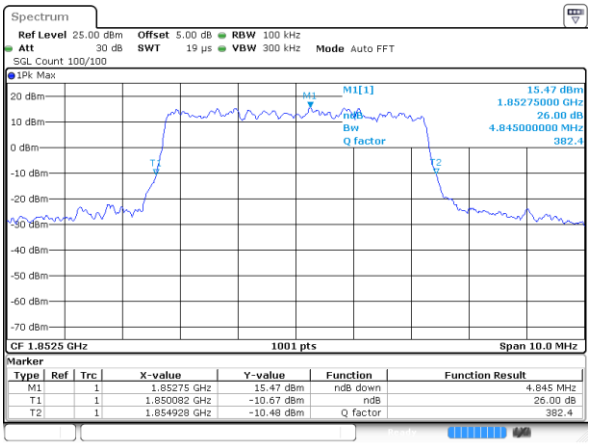


Highest Channel /3MHz / 16QAM

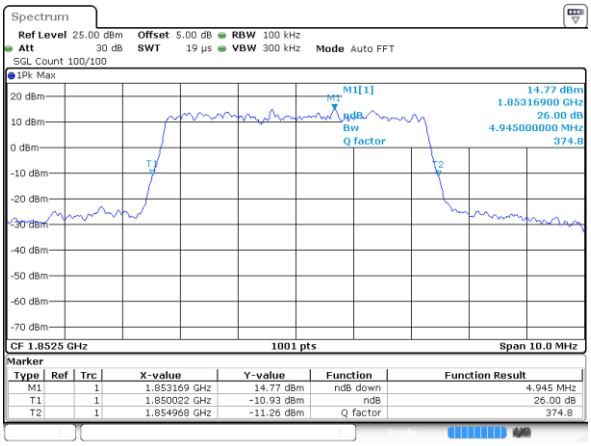


LTE Band 2

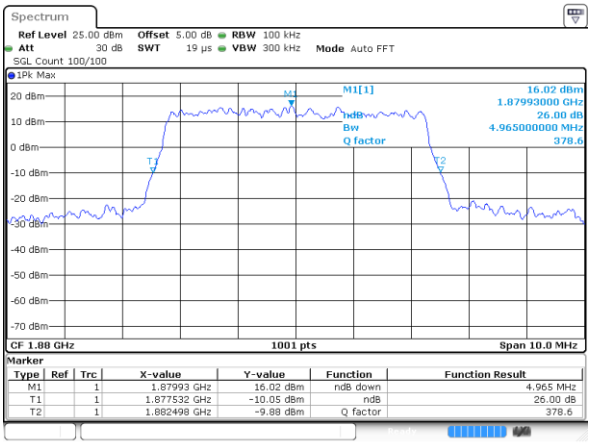
Lowest Channel / 5MHz / QPSK



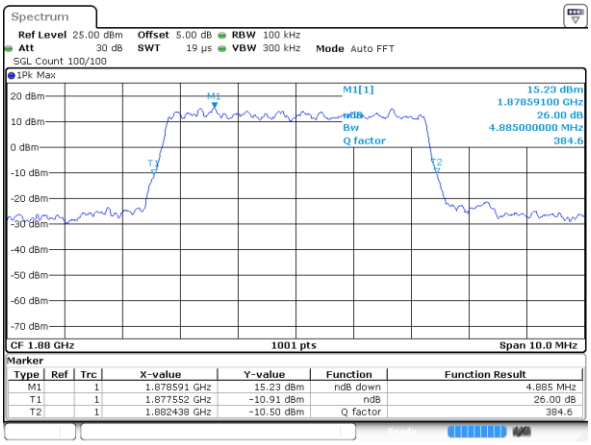
Lowest Channel / 5MHz / 16QAM



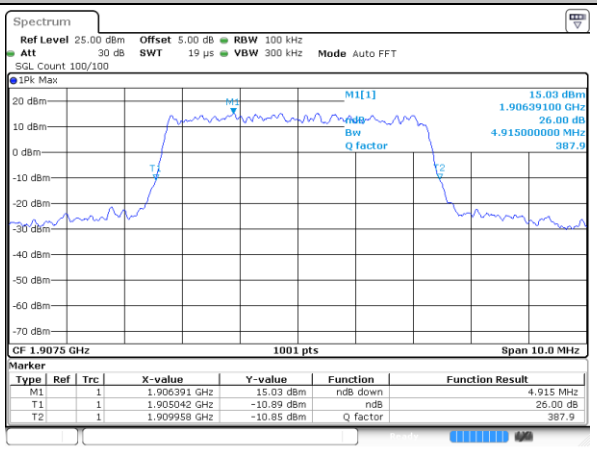
Middle Channel / 5MHz / QPSK



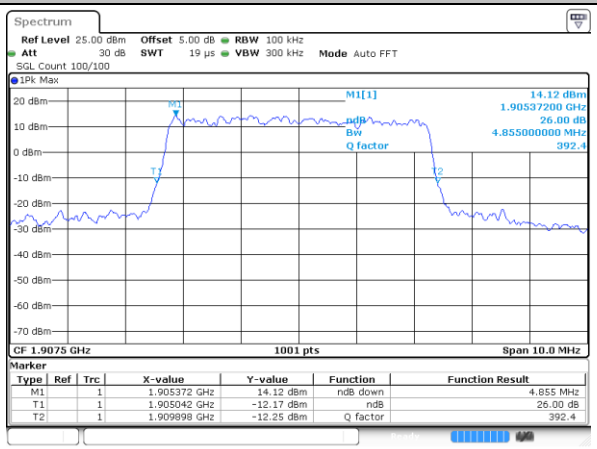
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

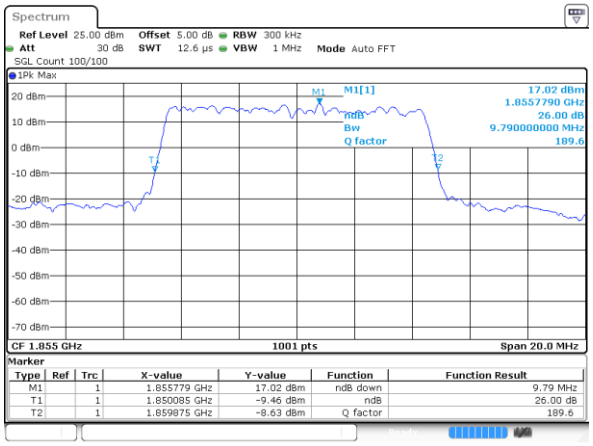


Highest Channel / 5MHz / 16QAM

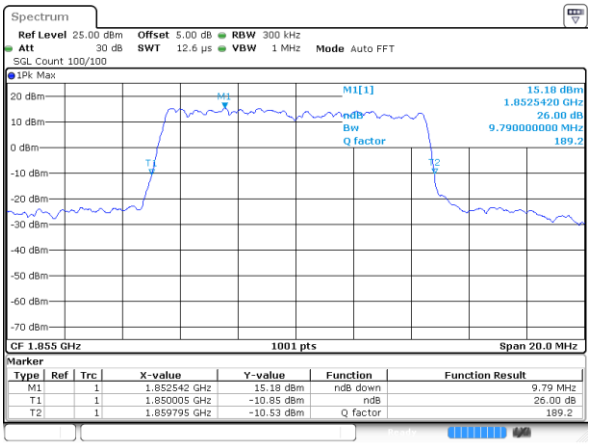


LTE Band 2

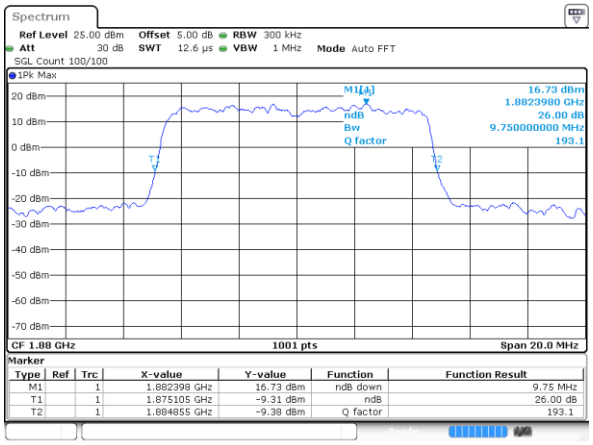
Lowest Channel / 10MHz / QPSK



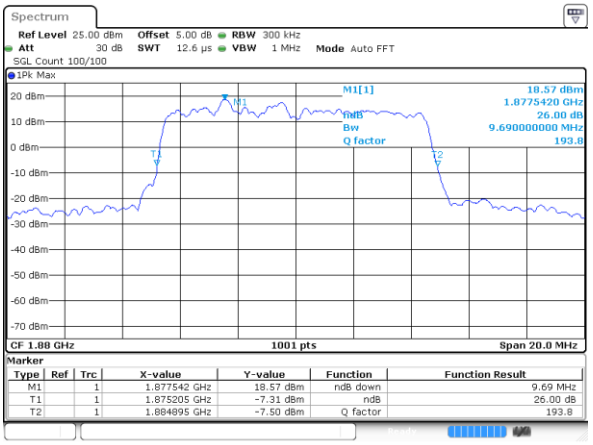
Lowest Channel / 10MHz / 16QAM



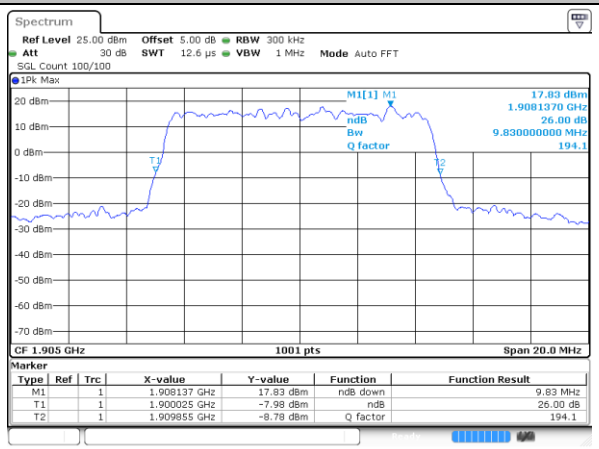
Middle Channel / 10MHz / QPSK



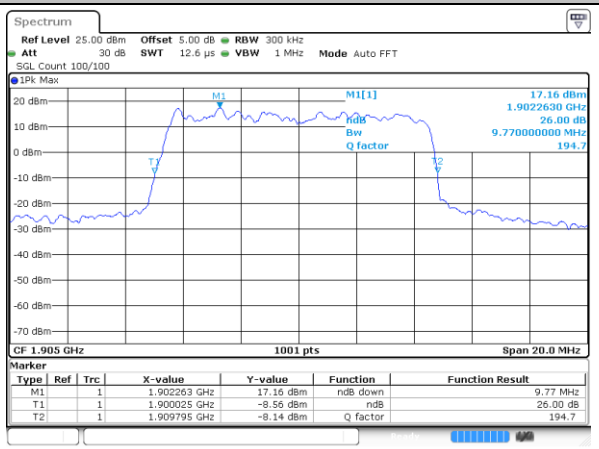
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

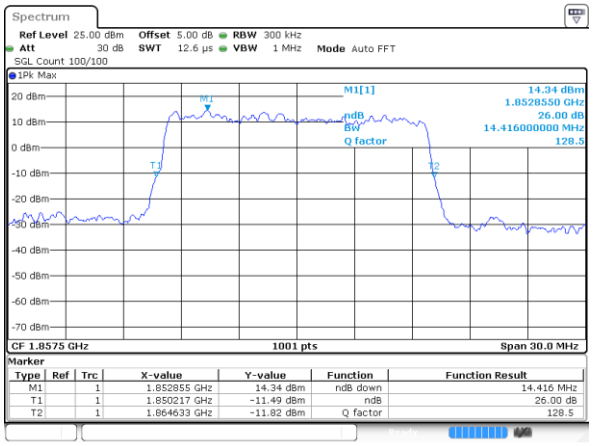


Highest Channel / 10MHz / 16QAM

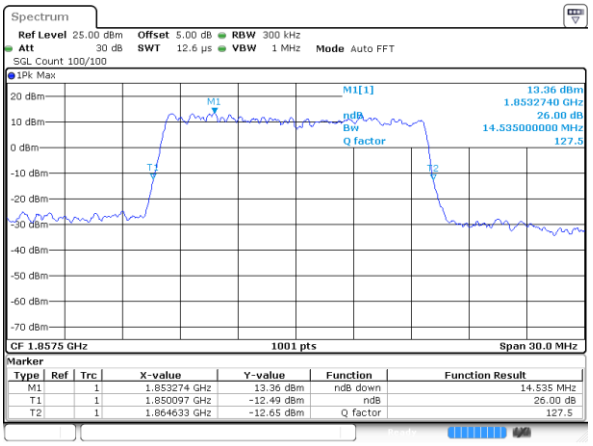


LTE Band 2

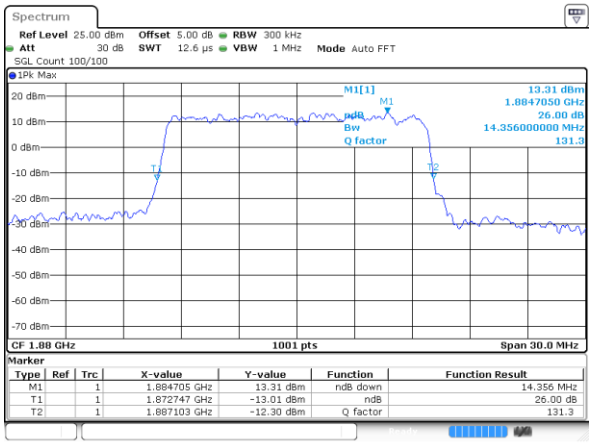
Lowest Channel / 15MHz / QPSK



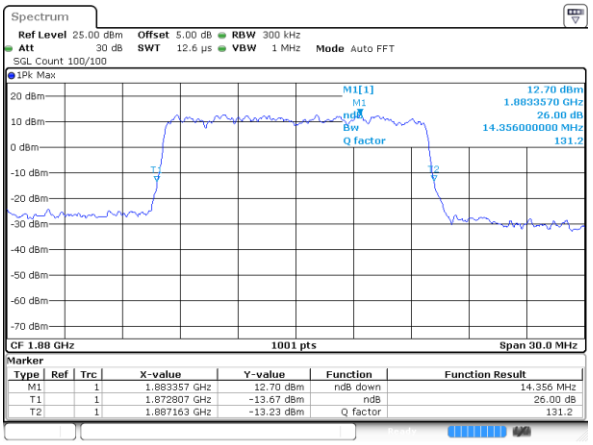
Lowest Channel / 15MHz / 16QAM



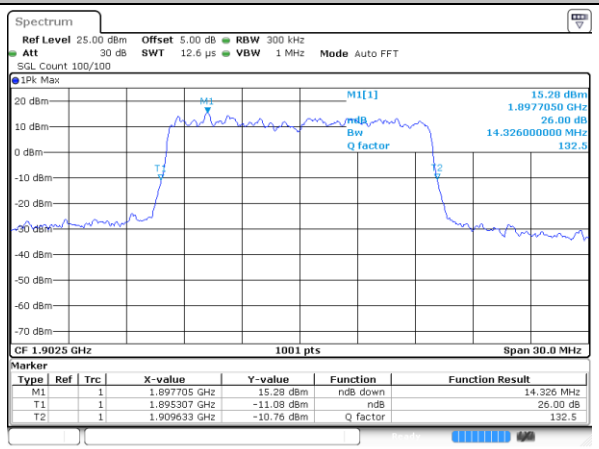
Middle Channel / 15MHz / QPSK



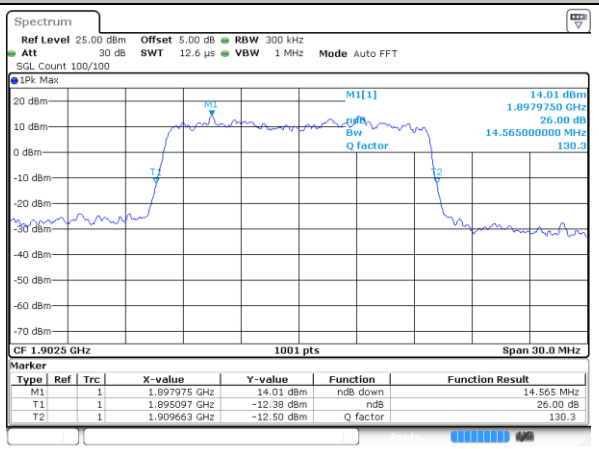
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

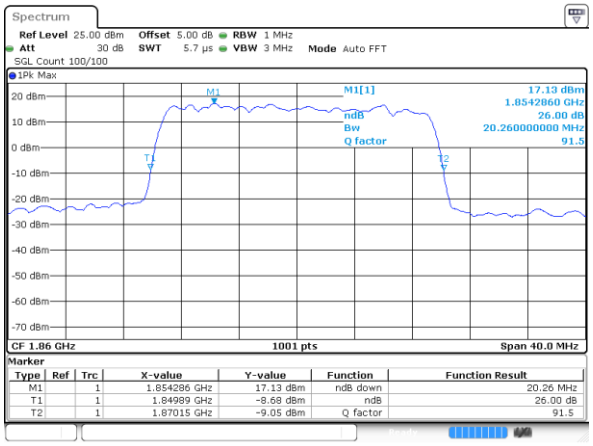


Highest Channel / 15MHz / 16QAM



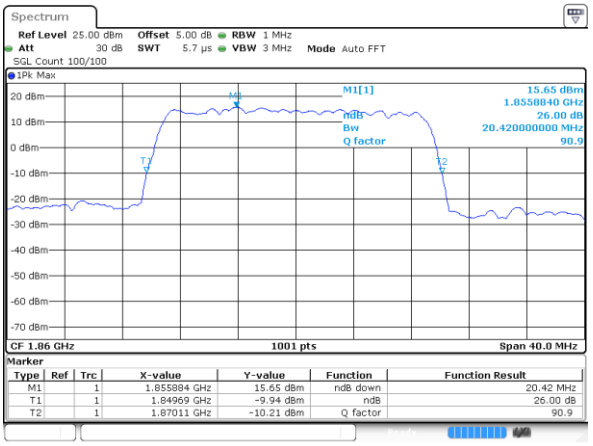
LTE Band 2

Lowest Channel / 20MHz / QPSK



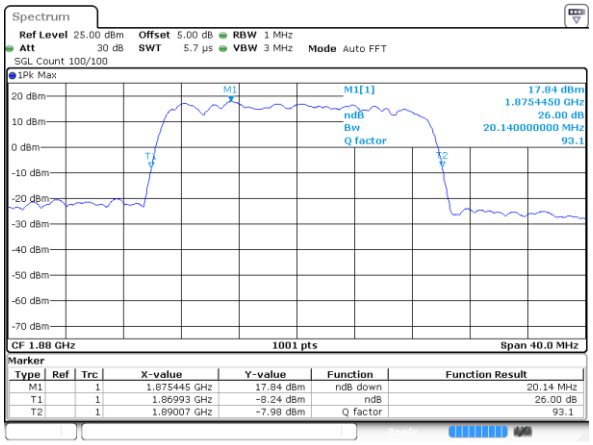
Date: 7.JAN.2018 13:25:45

Lowest Channel / 20MHz / 16QAM



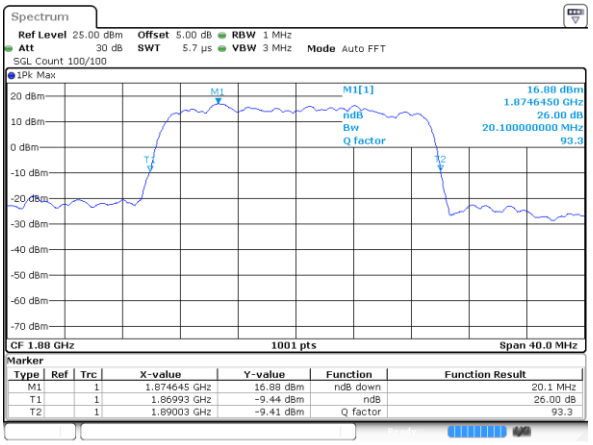
Date: 7.JAN.2018 13:25:55

Middle Channel / 20MHz / QPSK



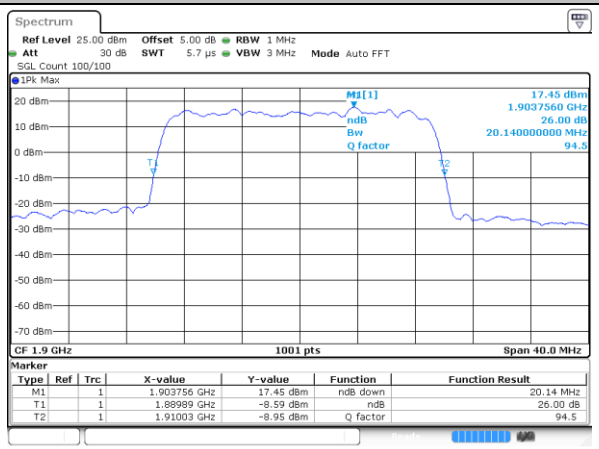
Date: 7.JAN.2018 13:32:51

Middle Channel / 20MHz / 16QAM



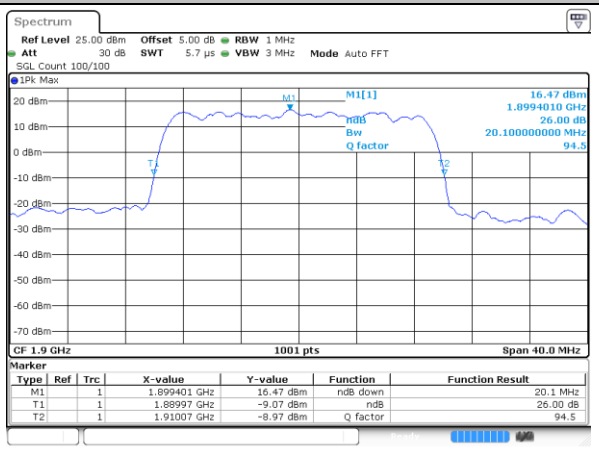
Date: 7.JAN.2018 13:33:01

Highest Channel / 20MHz / QPSK



Date: 7.JAN.2018 13:35:24

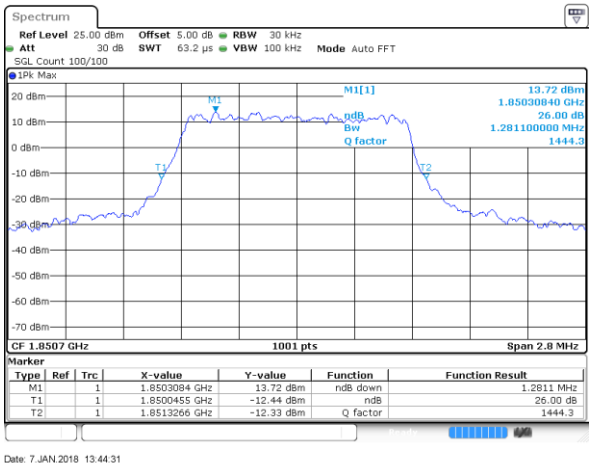
Highest Channel / 20MHz / 16QAM



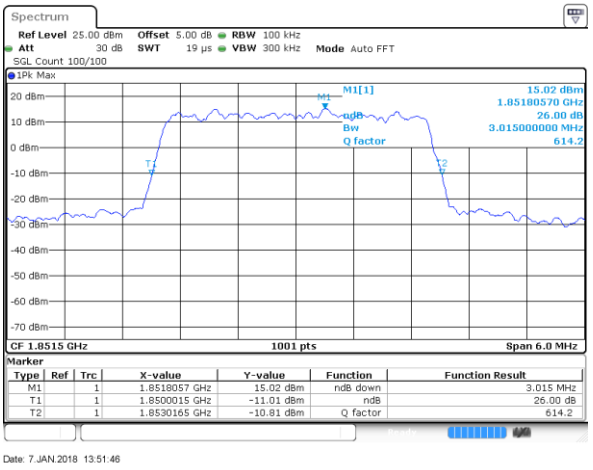
Date: 7.JAN.2018 13:35:35

LTE Band 2

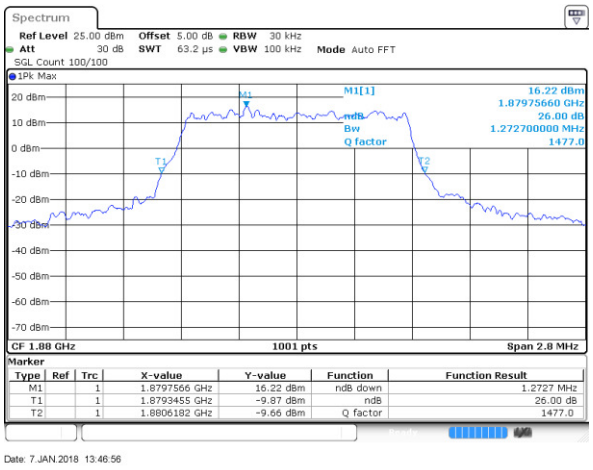
Lowest Channel / 1.4MHz / 64QAM



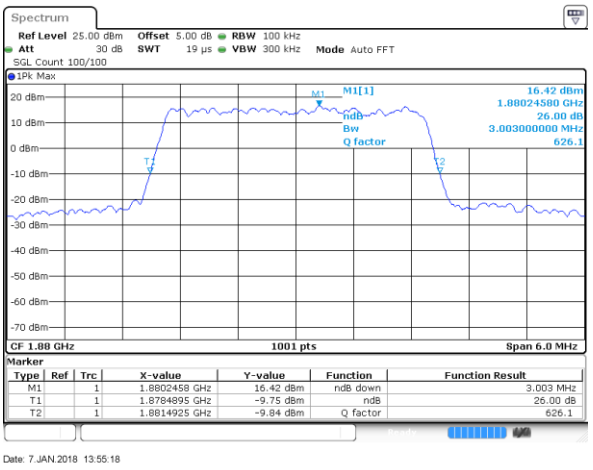
Lowest Channel / 3MHz / 64QAM



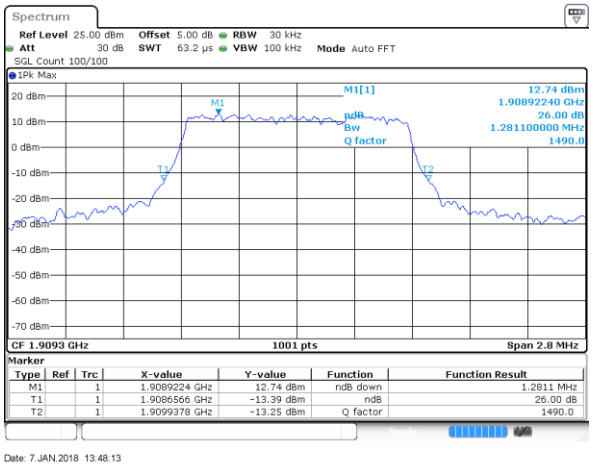
Middle Channel / 1.4MHz / 64QAM



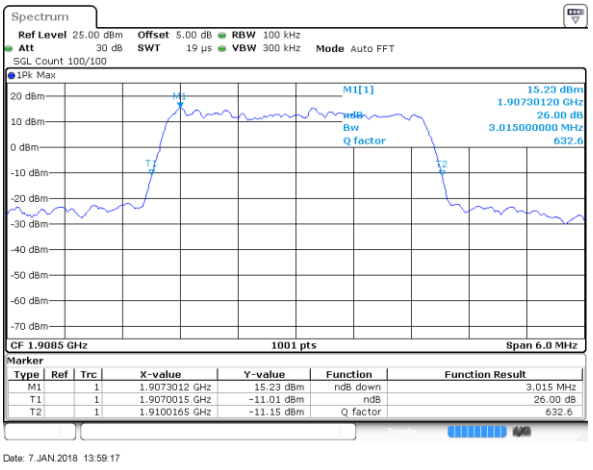
Middle Channel /3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

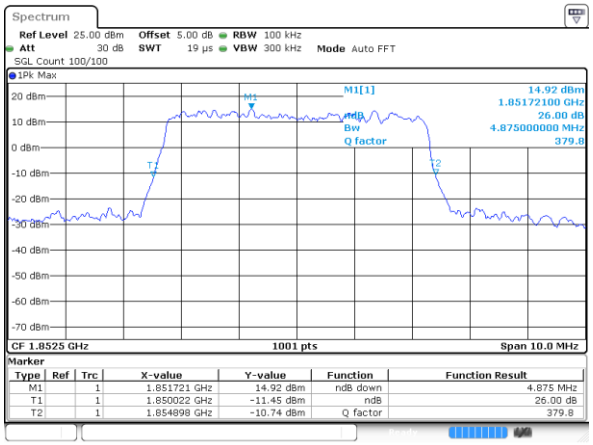


Highest Channel /3MHz / 64QAM

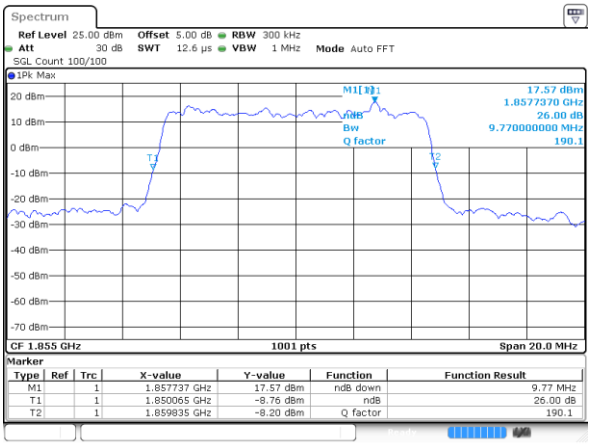


LTE Band 2

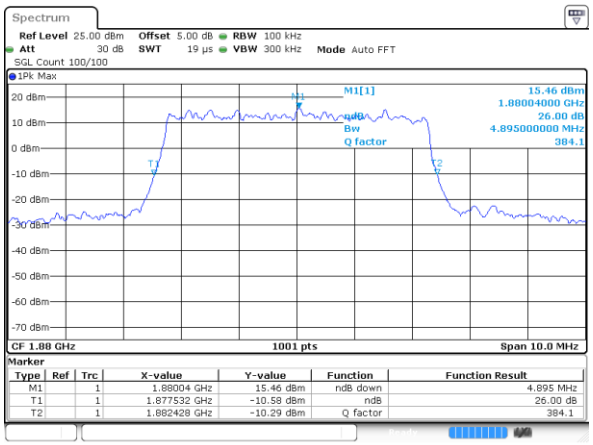
Lowest Channel / 5MHz / 64QAM



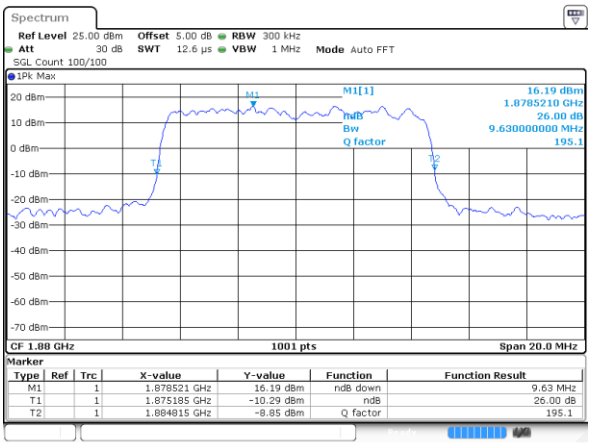
Lowest Channel / 10MHz / 64QAM



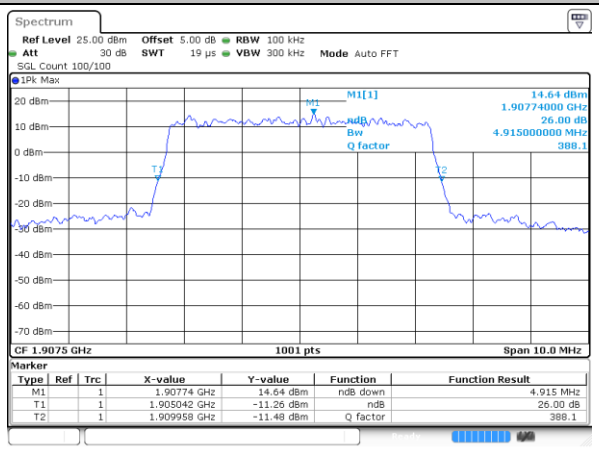
Middle Channel / 5MHz / 64QAM



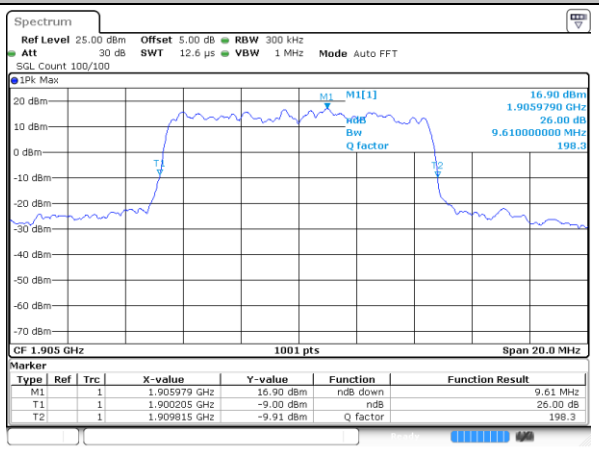
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

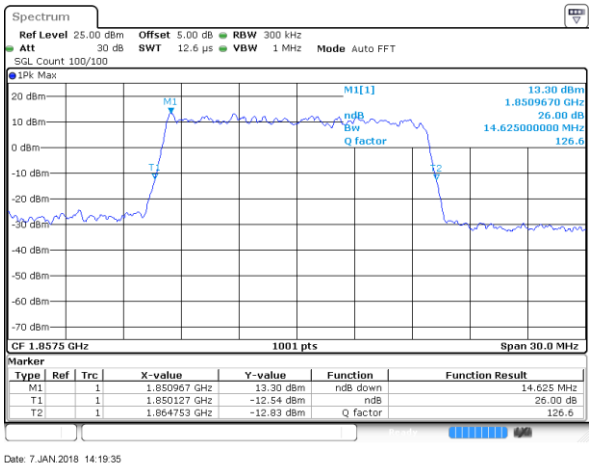


Highest Channel / 10MHz / 64QAM

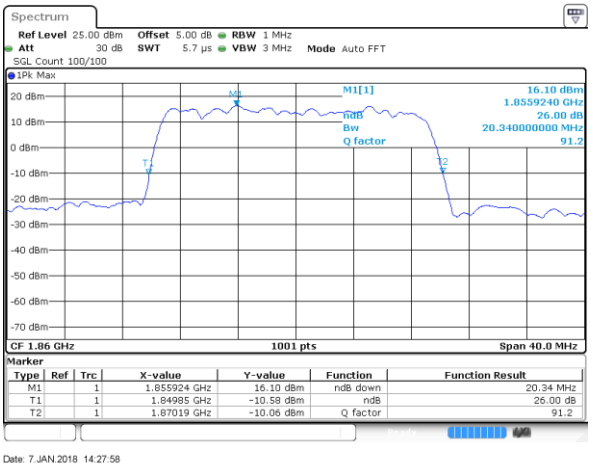


LTE Band 2

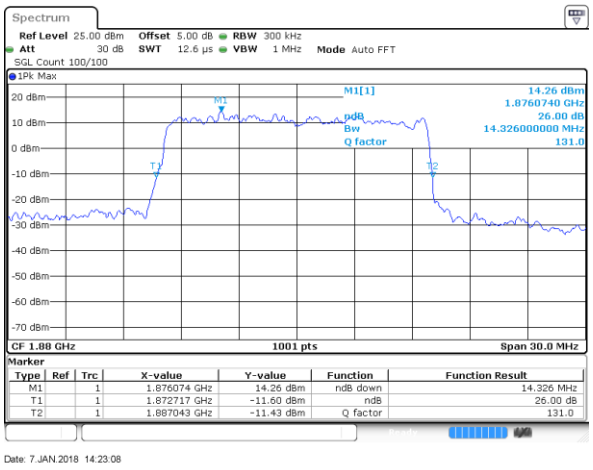
Lowest Channel / 15MHz / 64QAM



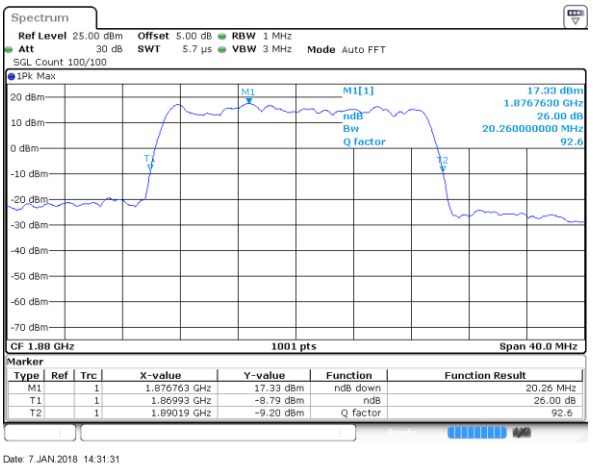
Lowest Channel / 20MHz / 64QAM



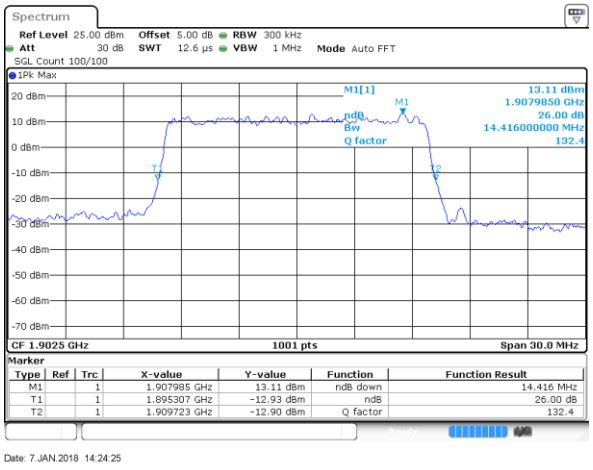
Middle Channel / 15MHz / 64QAM



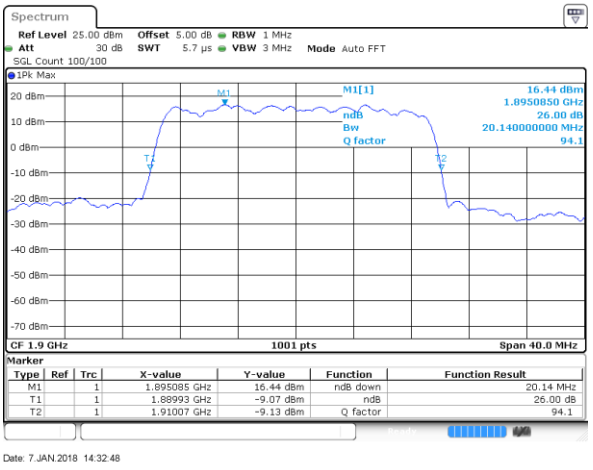
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

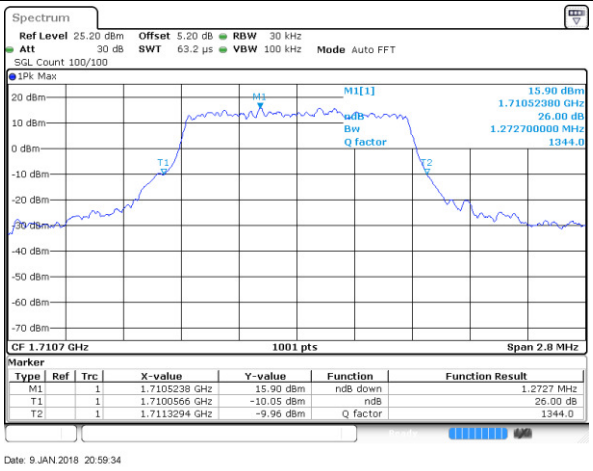


Highest Channel / 20MHz / 64QAM

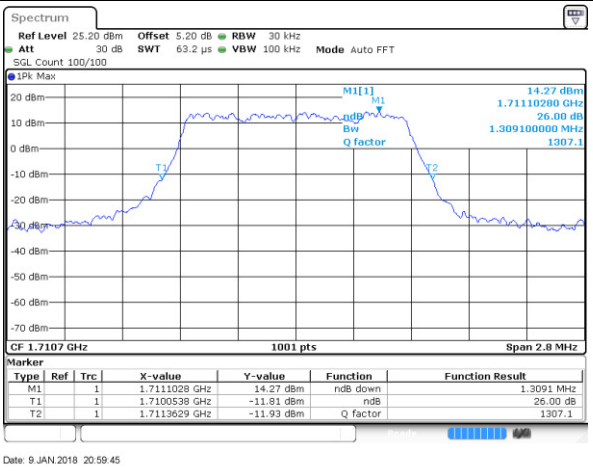


LTE Band 4

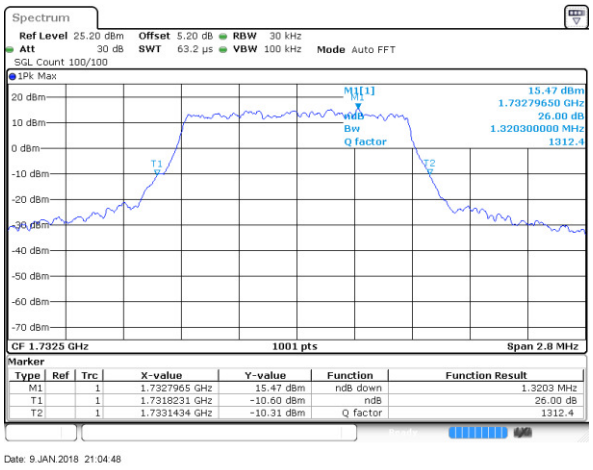
Lowest Channel / 1.4MHz / QPSK



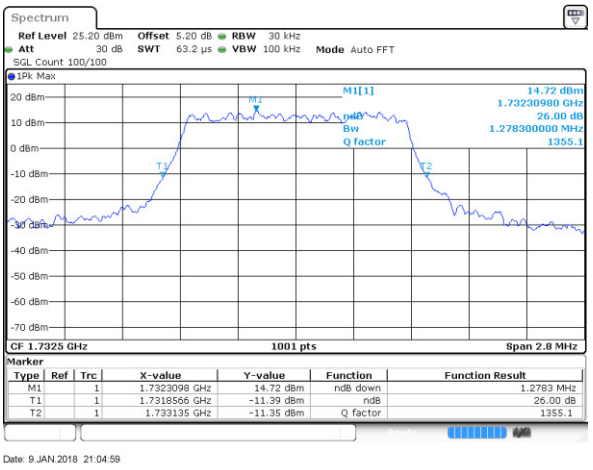
Lowest Channel / 1.4MHz / 16QAM



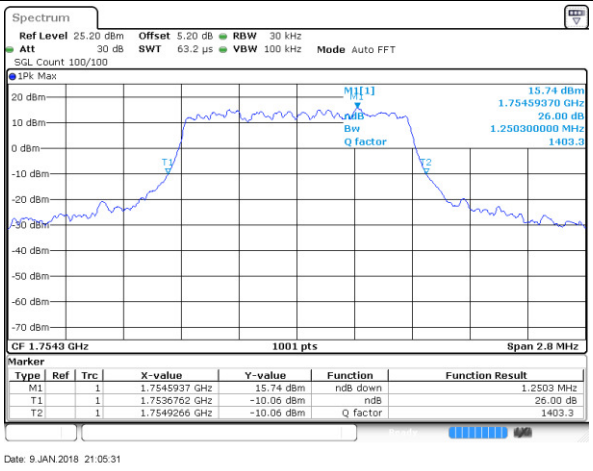
Middle Channel / 1.4MHz / QPSK



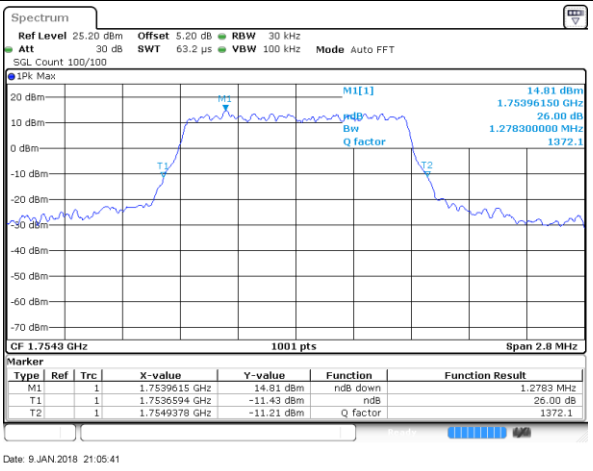
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

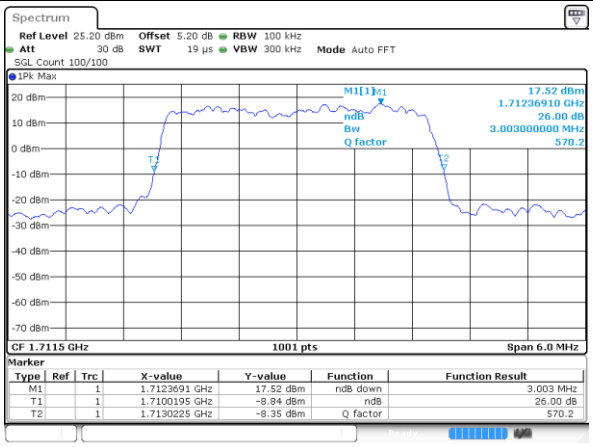


Highest Channel / 1.4MHz / 16QAM

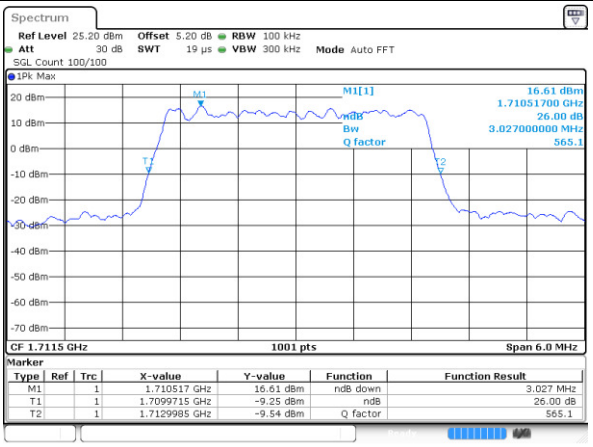


LTE Band 4

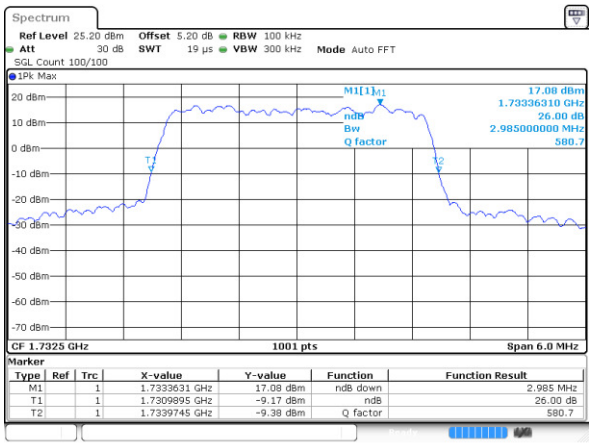
Lowest Channel / 3MHz / QPSK



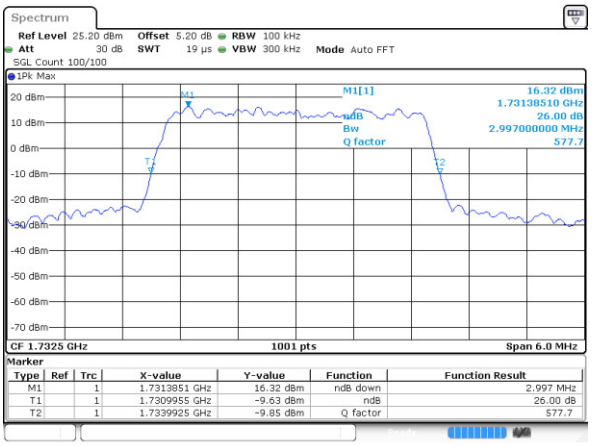
Lowest Channel / 3MHz / 16QAM



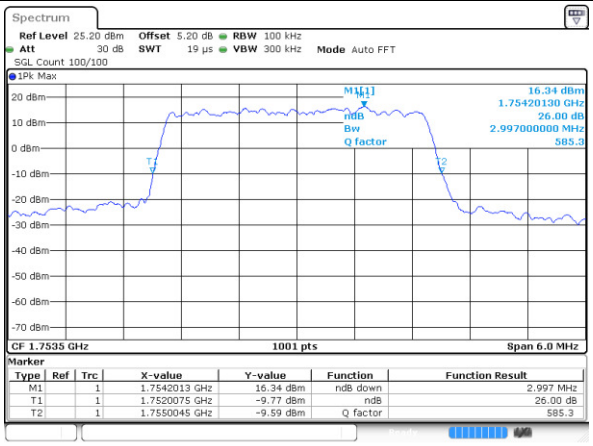
Middle Channel / 3MHz / QPSK



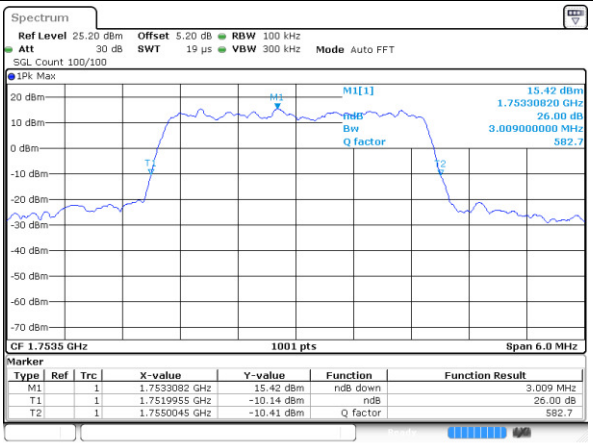
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

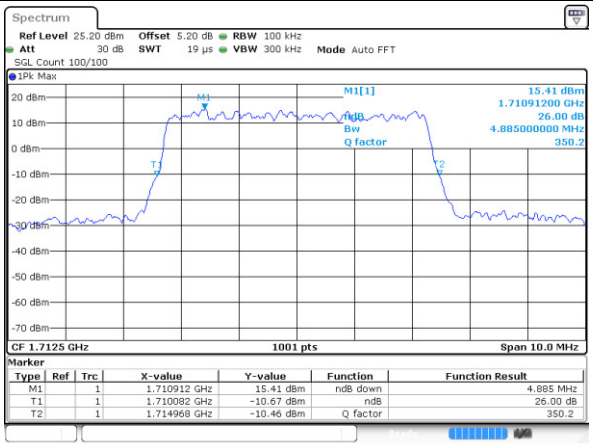


Highest Channel /3MHz / 16QAM

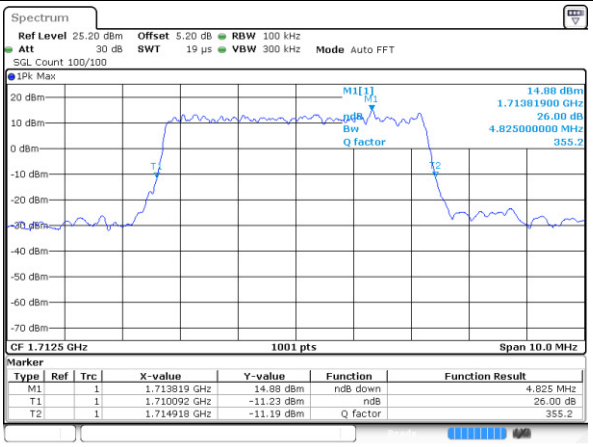


LTE Band 4

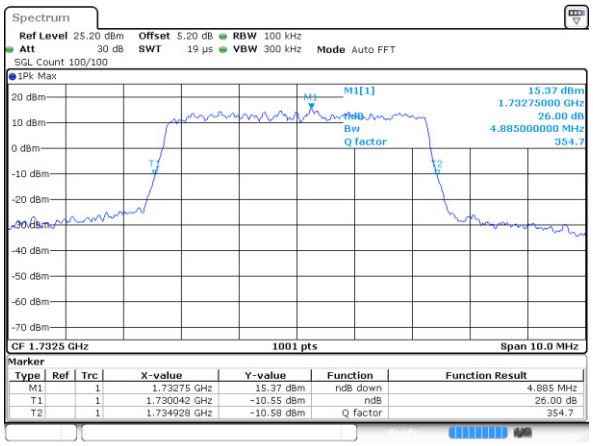
Lowest Channel / 5MHz / QPSK



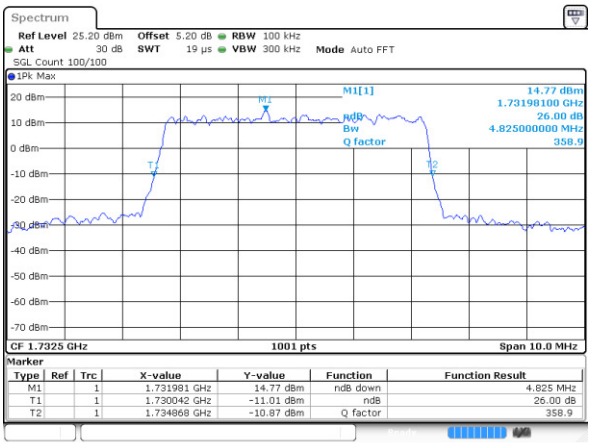
Lowest Channel / 5MHz / 16QAM



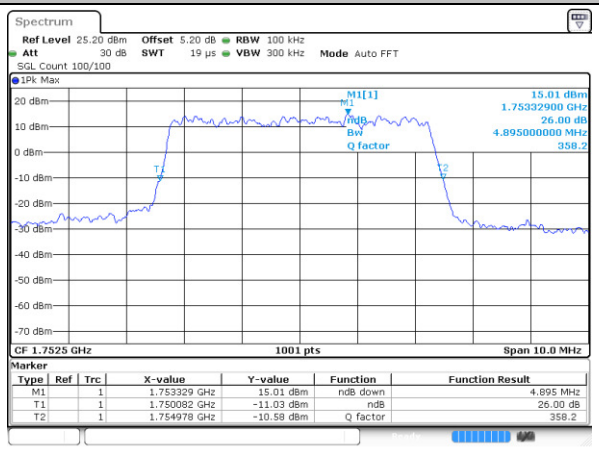
Middle Channel / 5MHz / QPSK



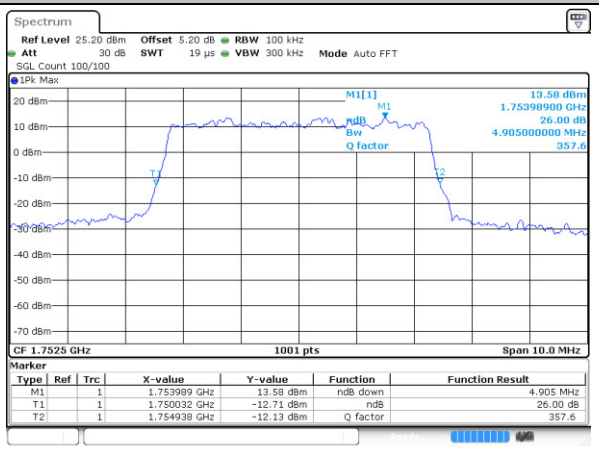
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

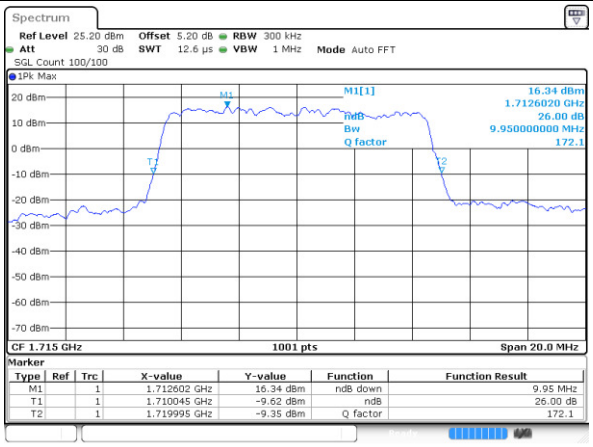


Highest Channel / 5MHz / 16QAM

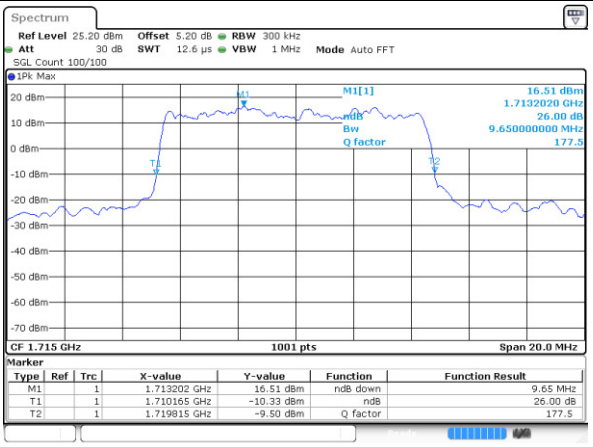


LTE Band 4

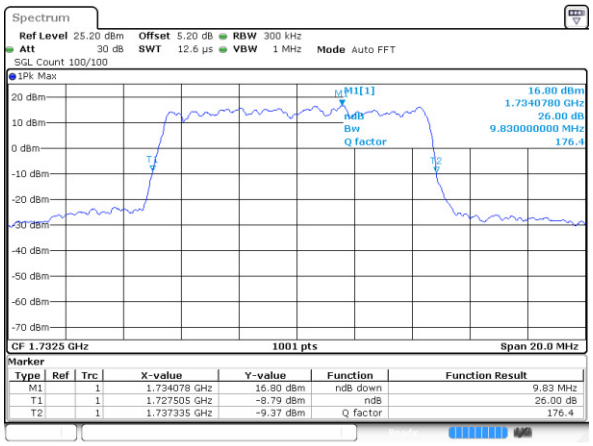
Lowest Channel / 10MHz / QPSK



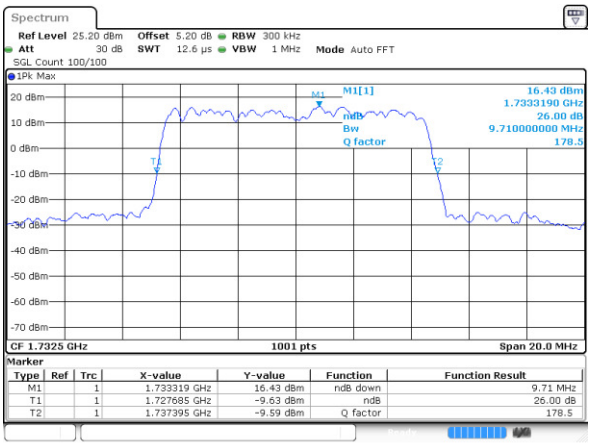
Lowest Channel / 10MHz / 16QAM



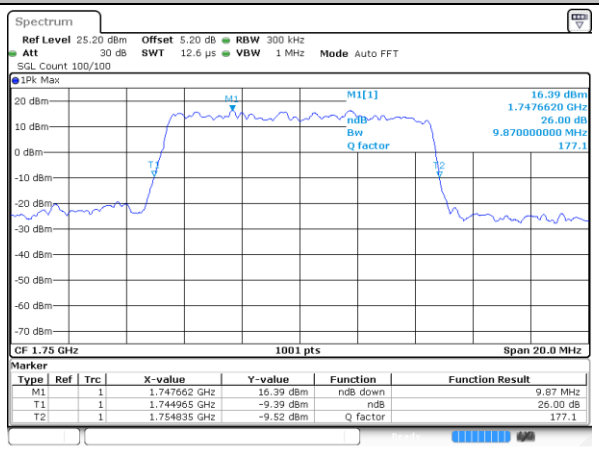
Middle Channel / 10MHz / QPSK



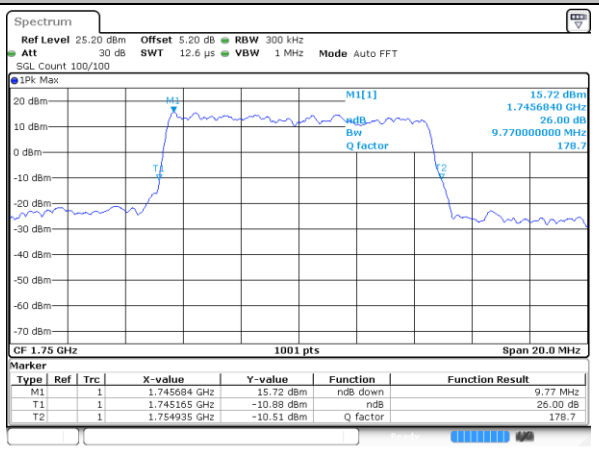
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

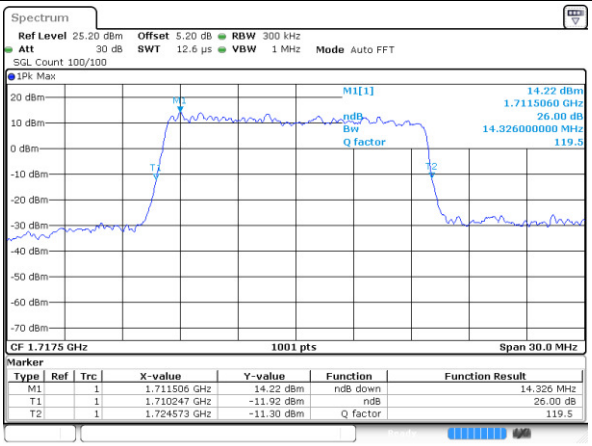


Highest Channel / 10MHz / 16QAM

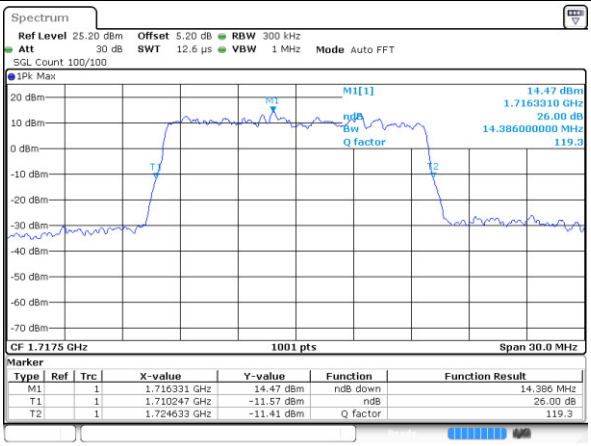


LTE Band 4

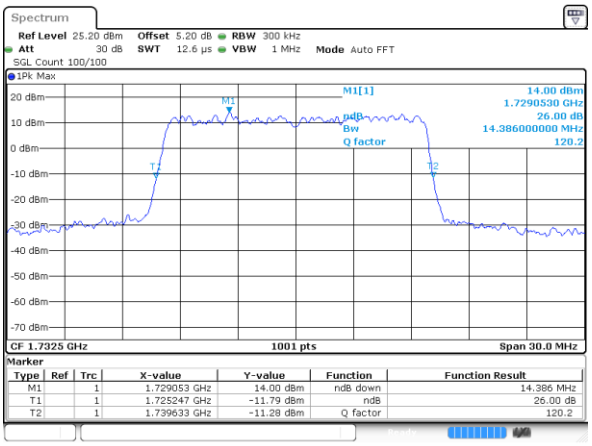
Lowest Channel / 15MHz / QPSK



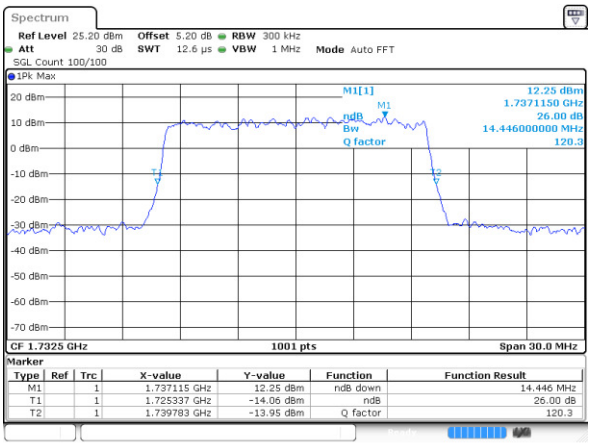
Lowest Channel / 15MHz / 16QAM



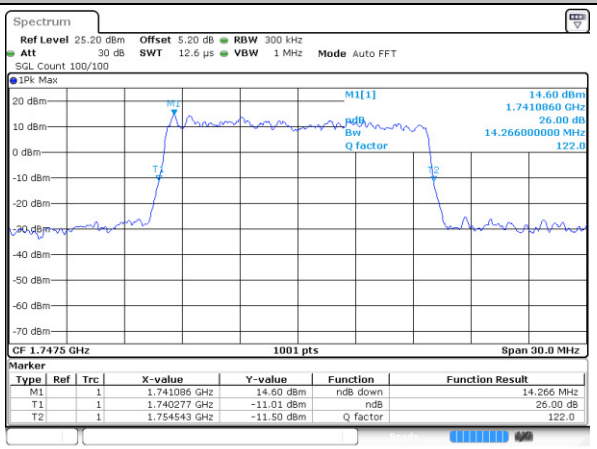
Middle Channel / 15MHz / QPSK



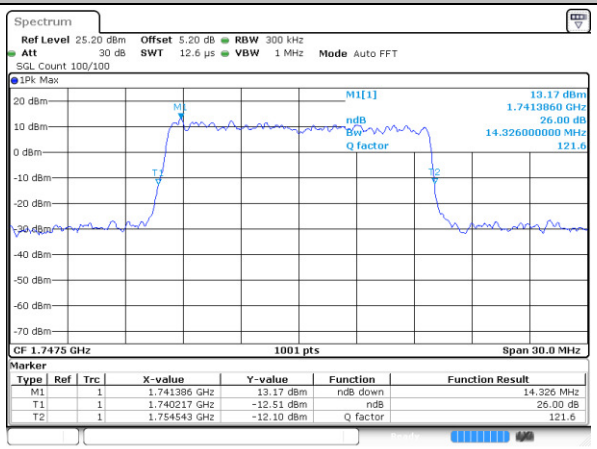
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

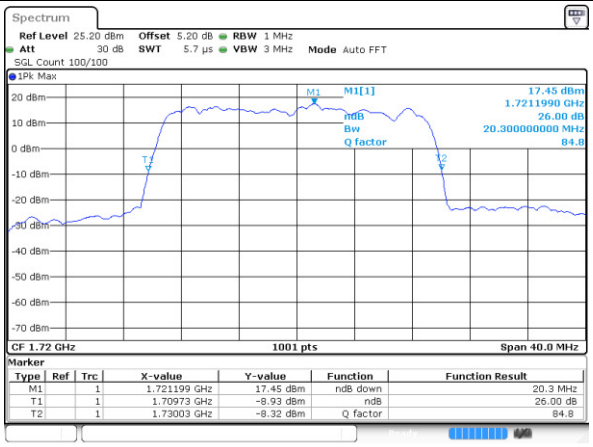


Highest Channel / 15MHz / 16QAM

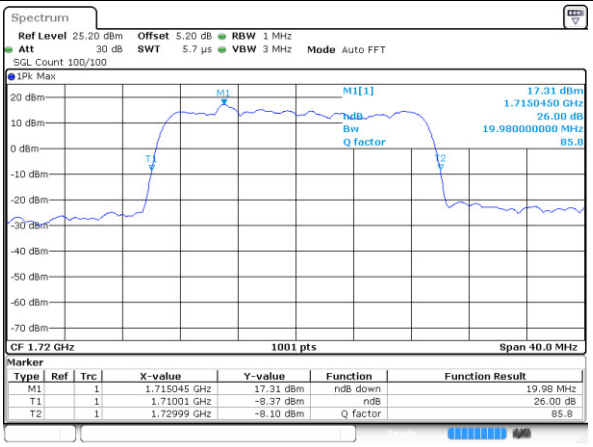


LTE Band 4

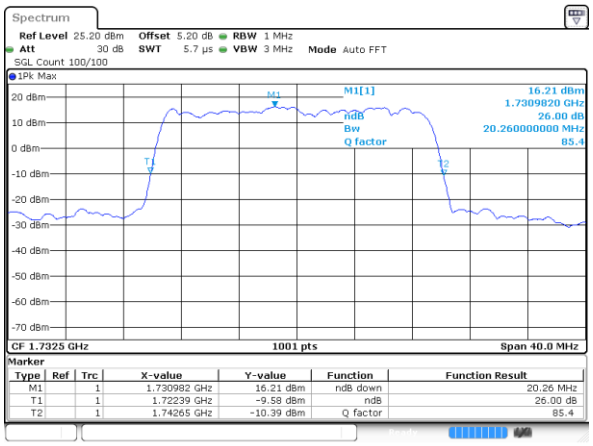
Lowest Channel / 20MHz / QPSK



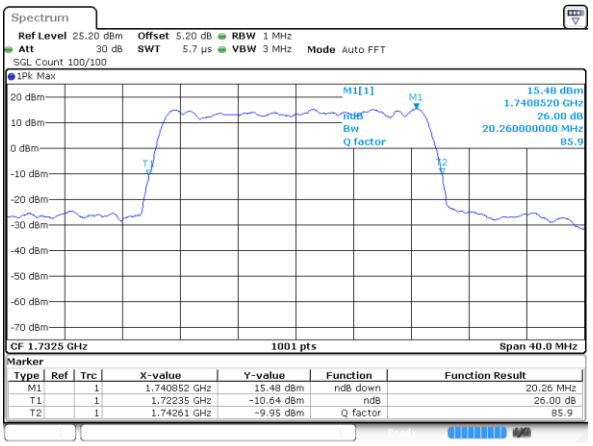
Lowest Channel / 20MHz / 16QAM



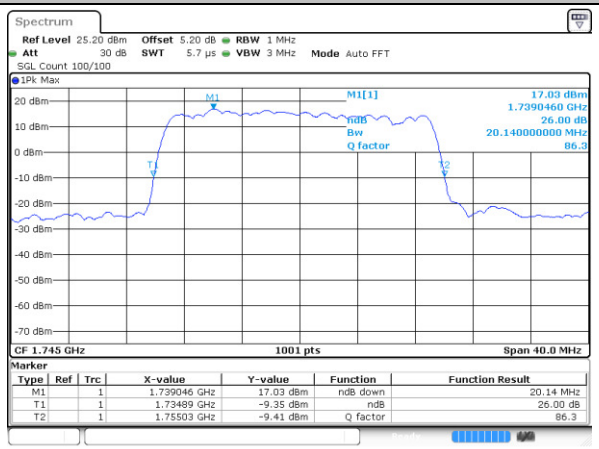
Middle Channel / 20MHz / QPSK



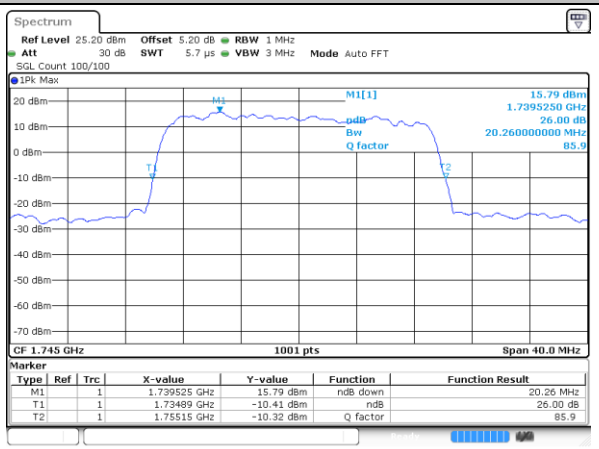
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

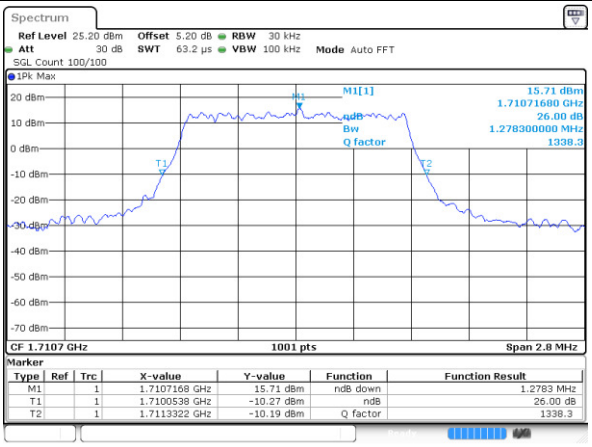


Highest Channel / 20MHz / 16QAM

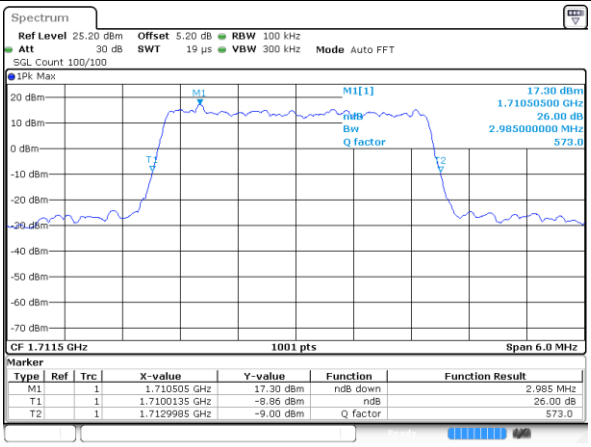


LTE Band 4

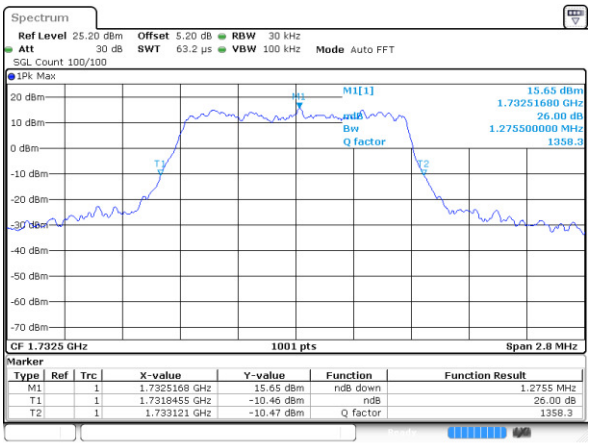
Lowest Channel / 1.4MHz / 64QAM



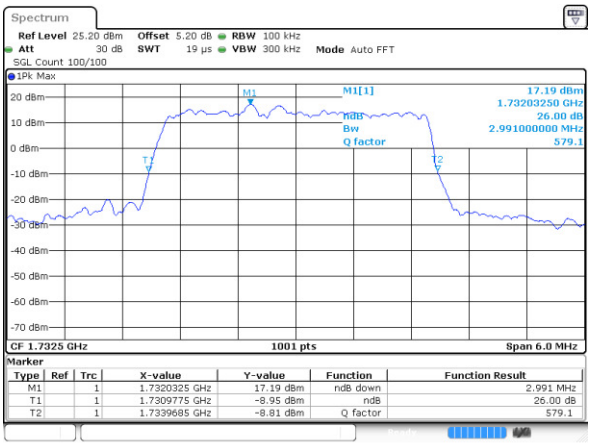
Lowest Channel / 3MHz / 64QAM



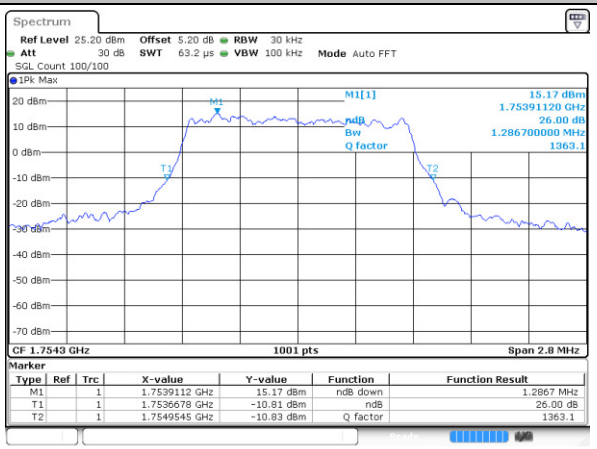
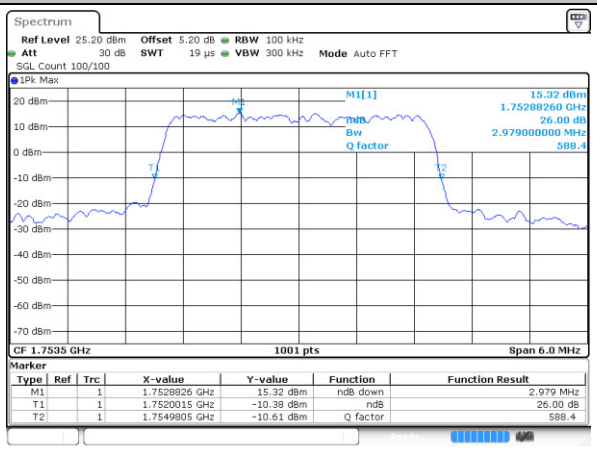
Middle Channel / 1.4MHz / 64QAM



Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



Highest Channel / 3MHz / 64QAM