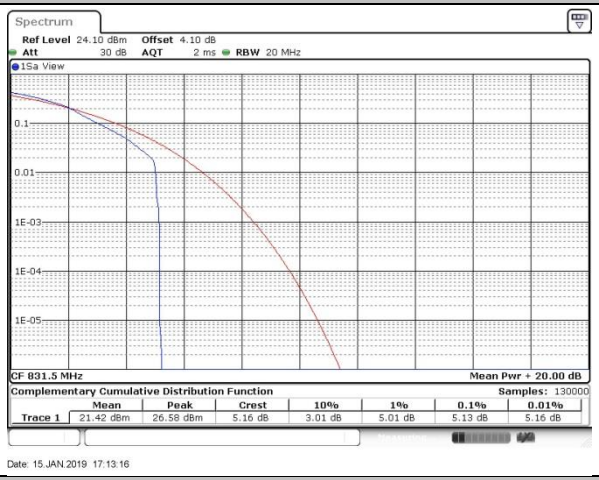
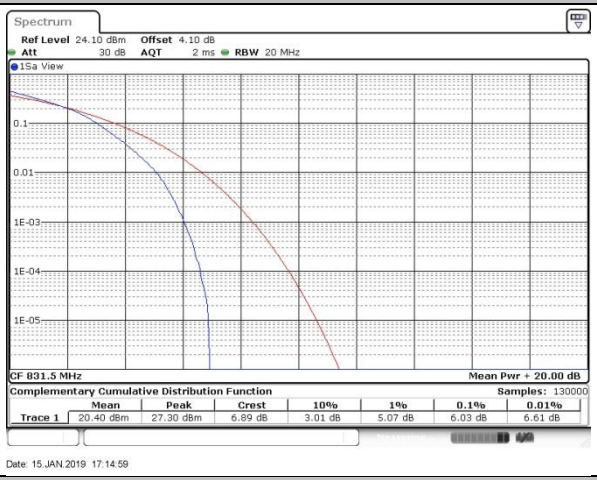
LTE Band 26 / 15MHz / 16QAM

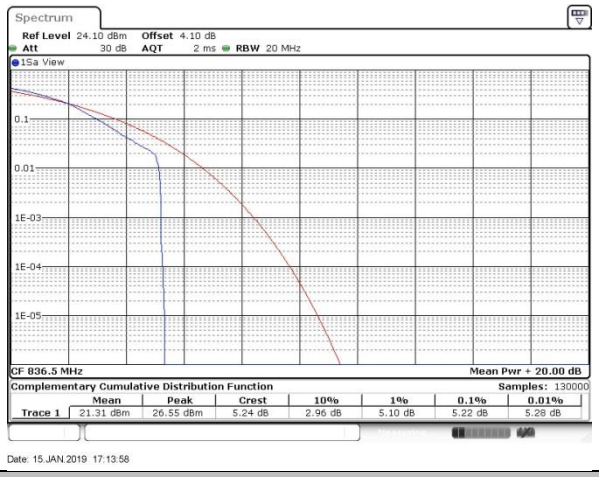
Lowest Channel / 1RB



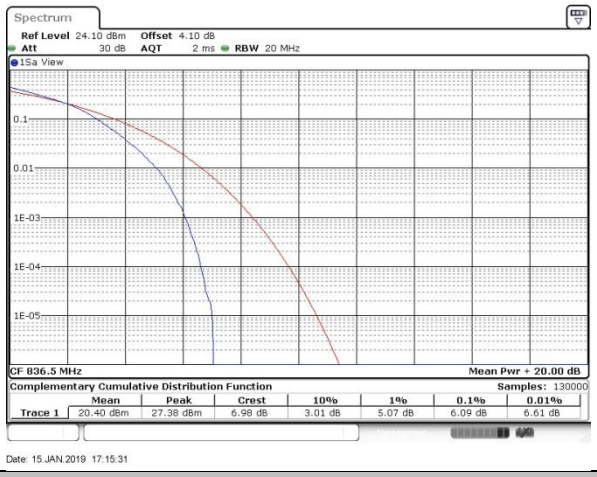
Lowest Channel / Full RB



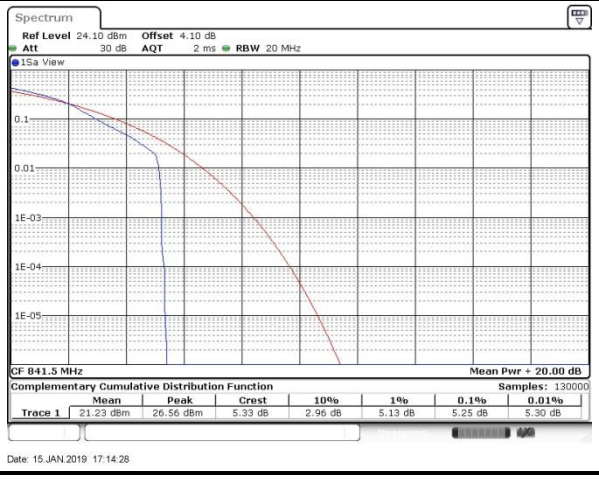
Middle Channel / 1RB



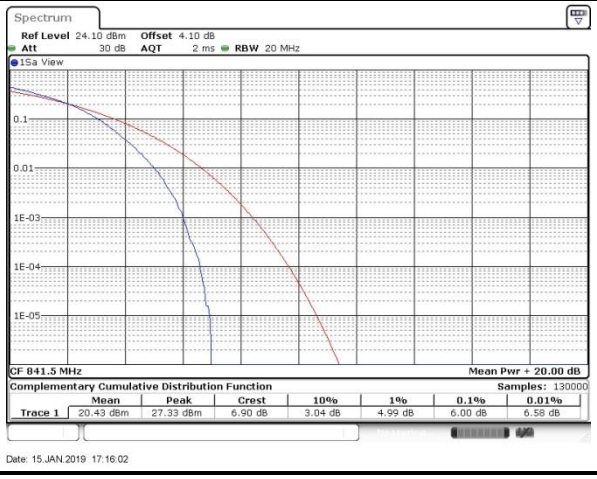
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

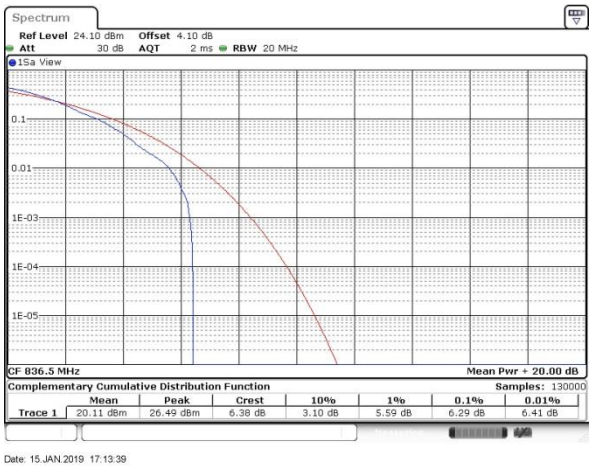


LTE Band 26 / 15MHz / 64QAM

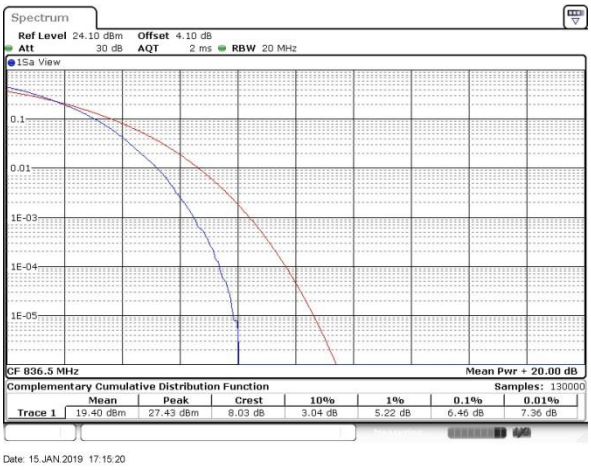
Lowest Channel / 1RB

Lowest Channel / Full RB

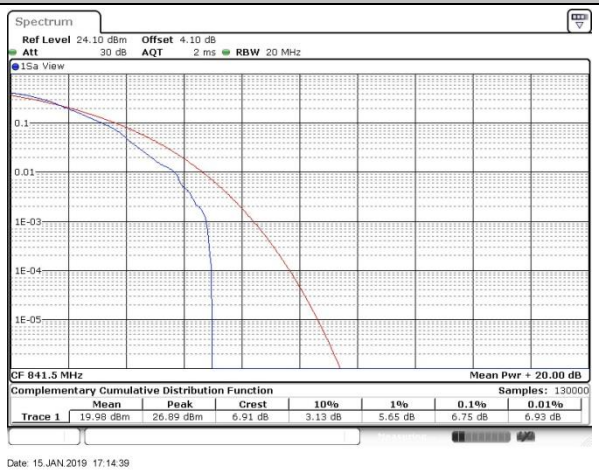
Middle Channel / 1RB



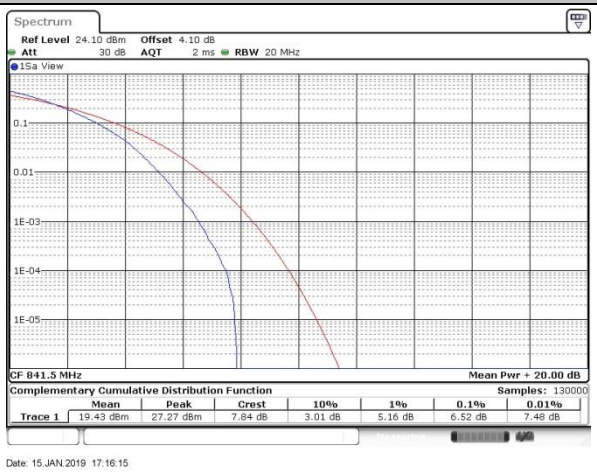
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

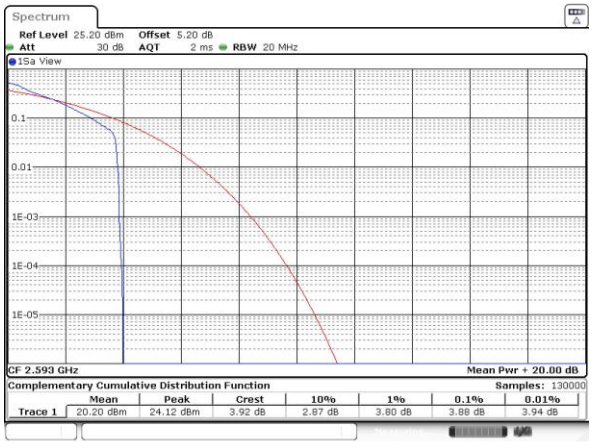


LTE Band 41 / 20MHz / QPSK

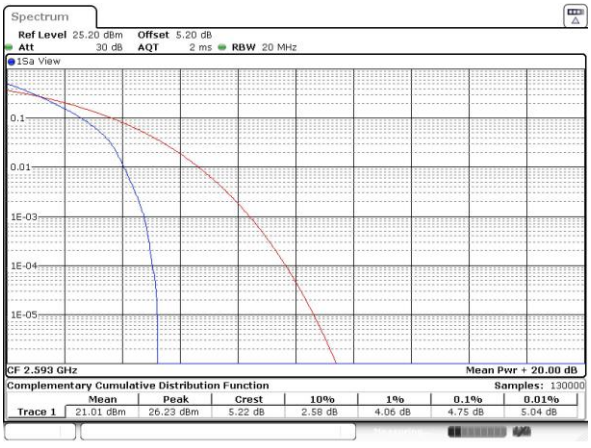
Lowest Channel / 1RB

Lowest Channel / Full RB

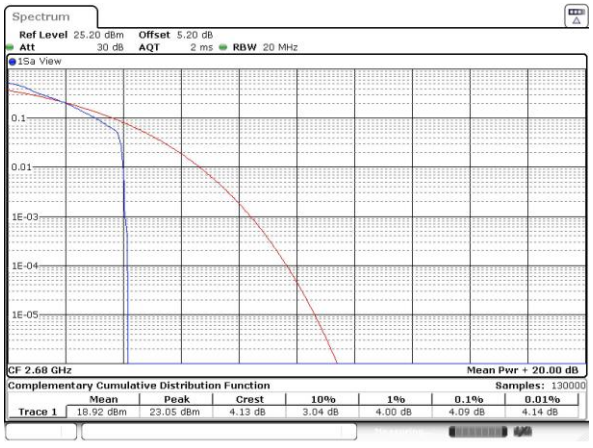
Middle Channel / 1RB



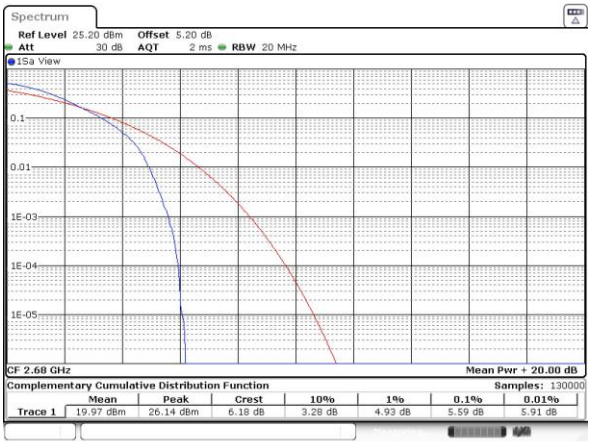
Middle Channel / Full RB



Highest Channel / 1RB

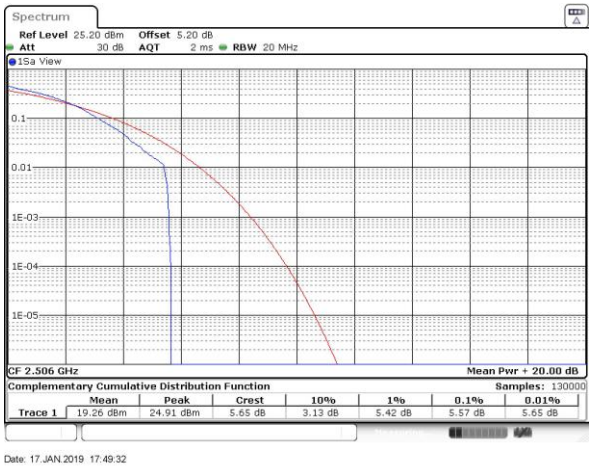


Highest Channel / Full RB

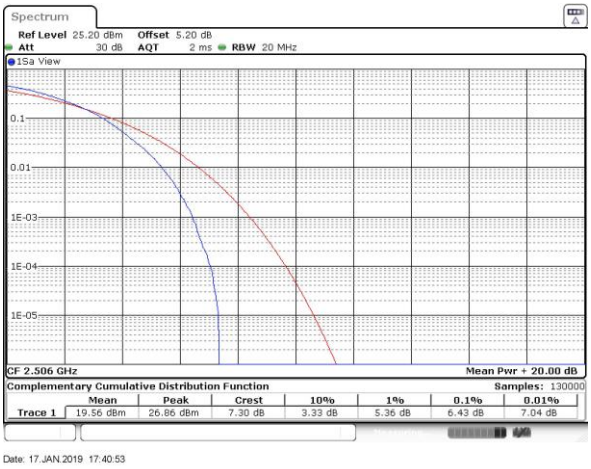


LTE Band 41 / 20MHz / 16QAM

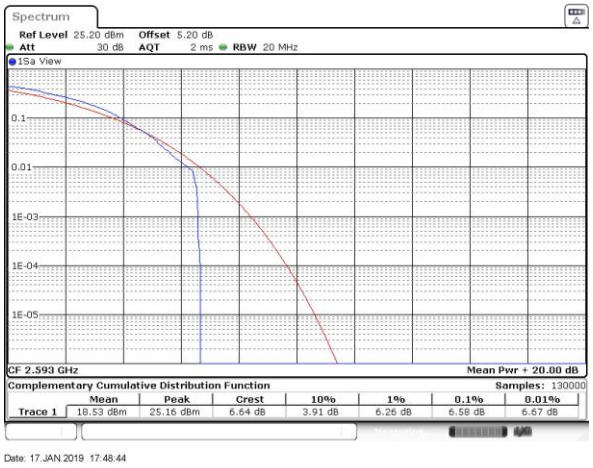
Lowest Channel / 1RB



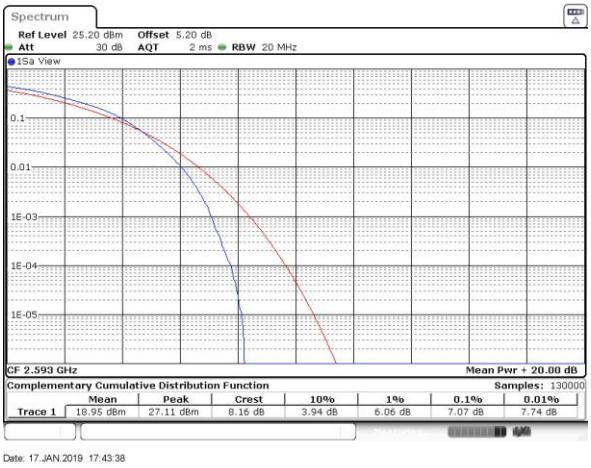
Lowest Channel / Full RB



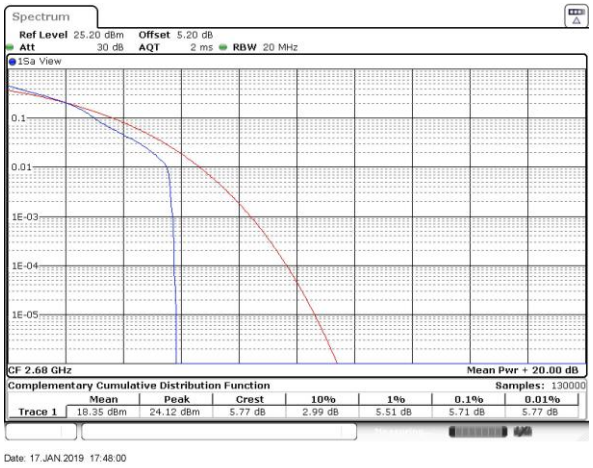
Middle Channel / 1RB



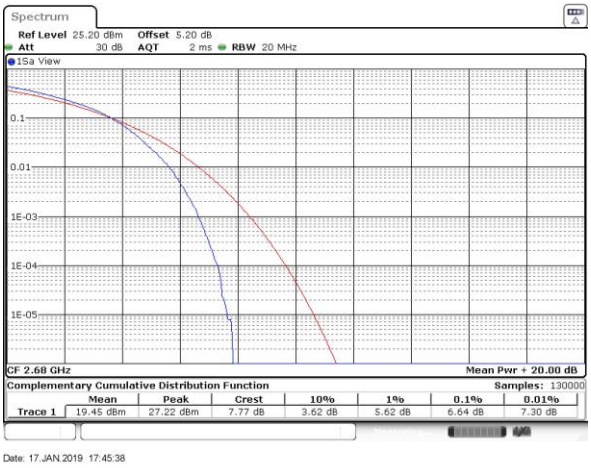
Middle Channel / Full RB



Highest Channel / 1RB

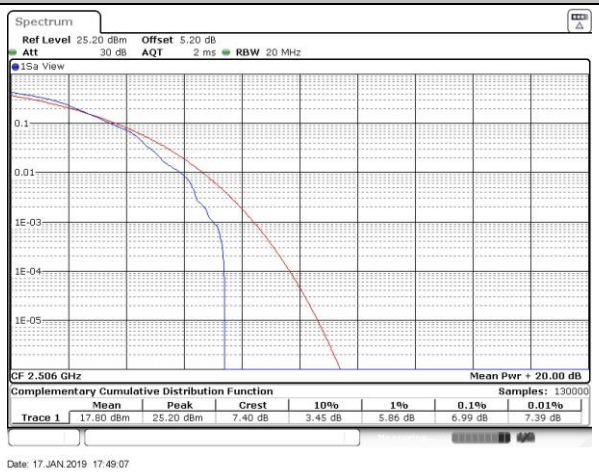


Highest Channel / Full RB

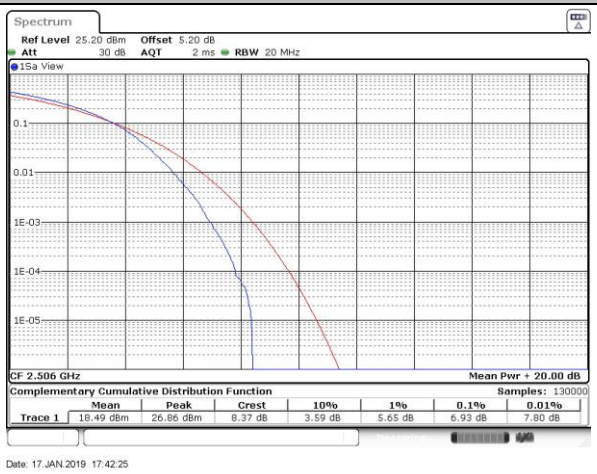


LTE Band 41 / 20MHz / 64QAM

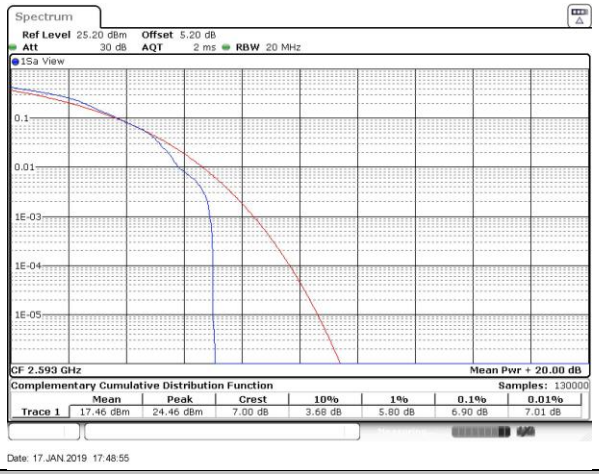
Lowest Channel / 1RB



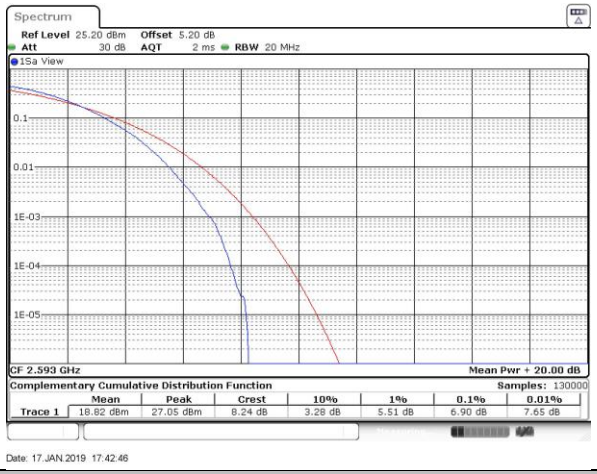
Lowest Channel / Full RB



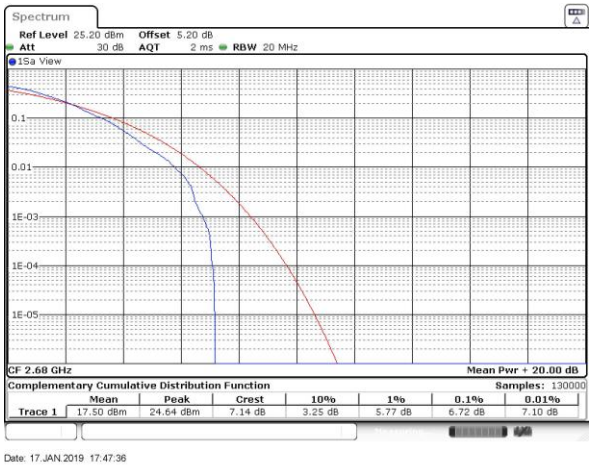
Middle Channel / 1RB



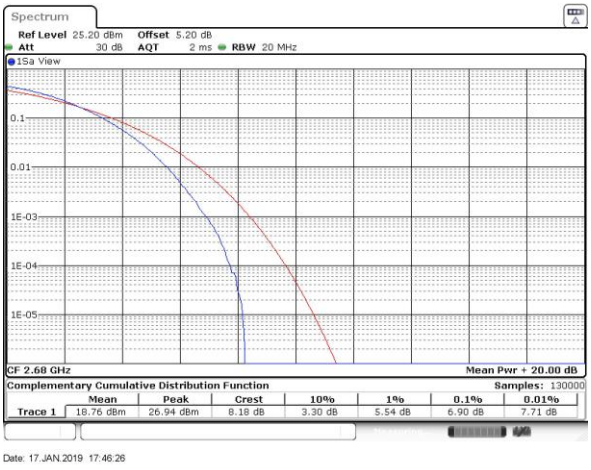
Middle Channel / Full RB



Highest Channel / 1RB

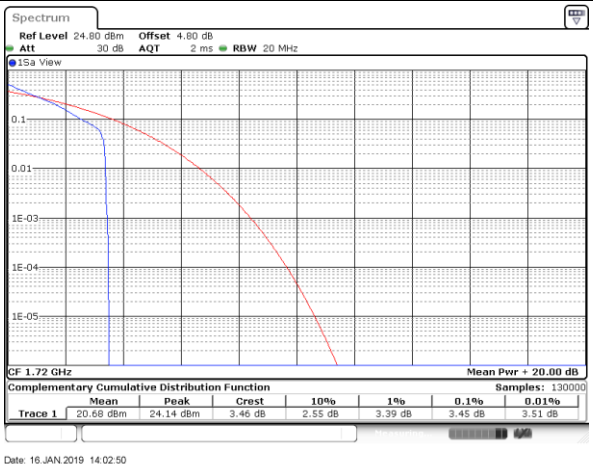


Highest Channel / Full RB

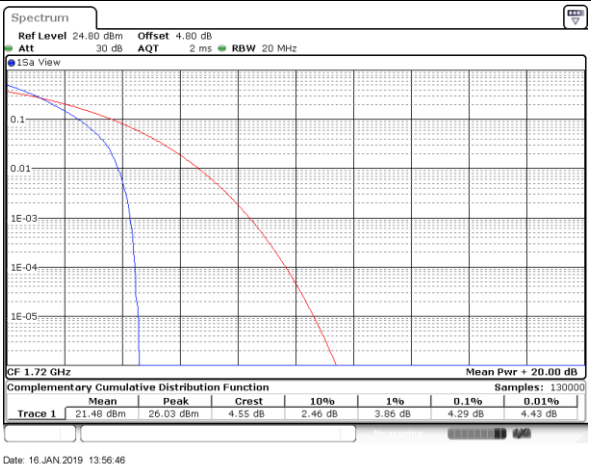


LTE Band 66 / 20MHz / QPSK

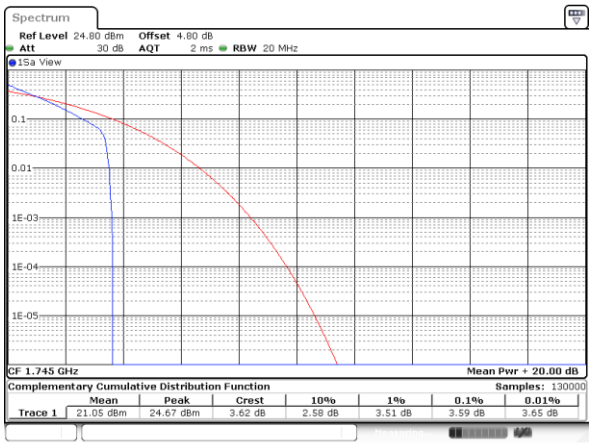
Lowest Channel / 1RB



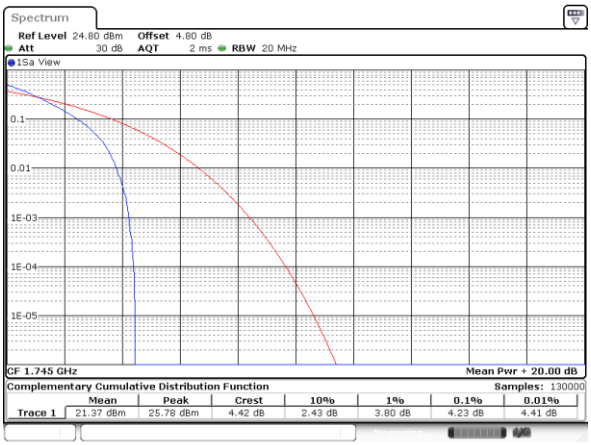
Lowest Channel / Full RB



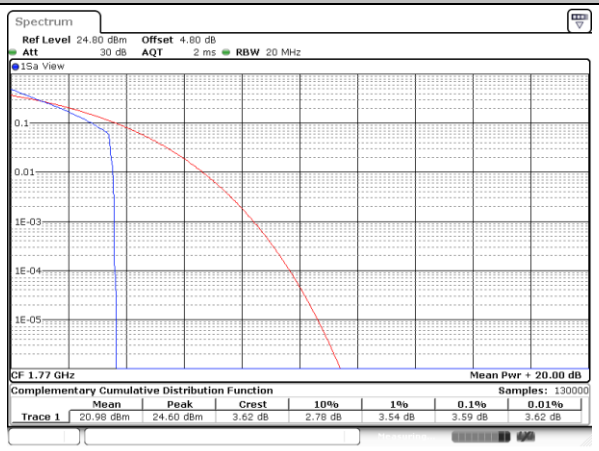
Middle Channel / 1RB



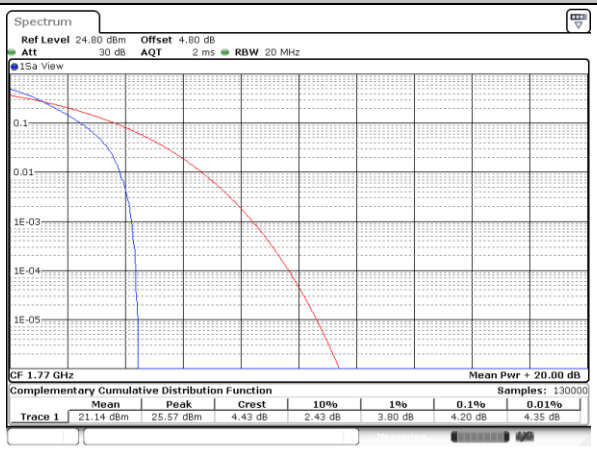
Middle Channel / Full RB



Highest Channel / 1RB

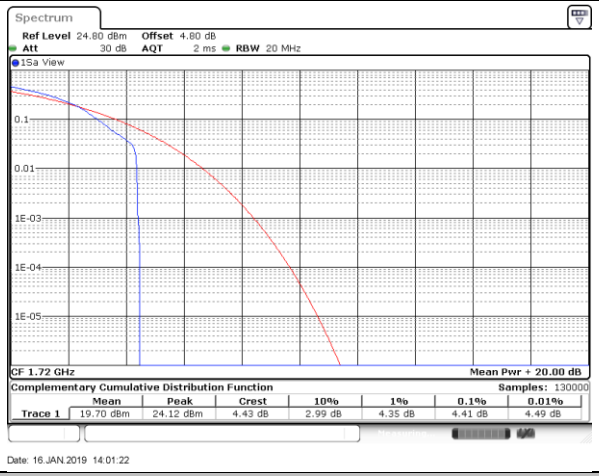


Highest Channel / Full RB

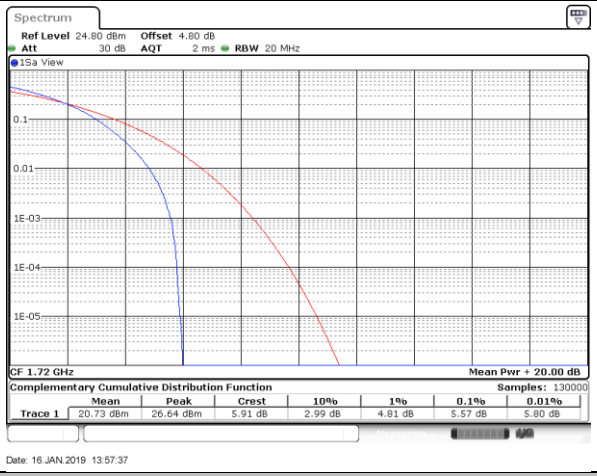


LTE Band 66 / 20MHz / 16QAM

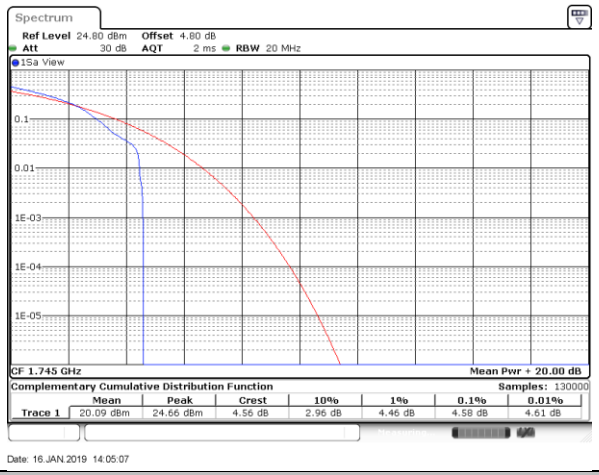
Lowest Channel / 1RB



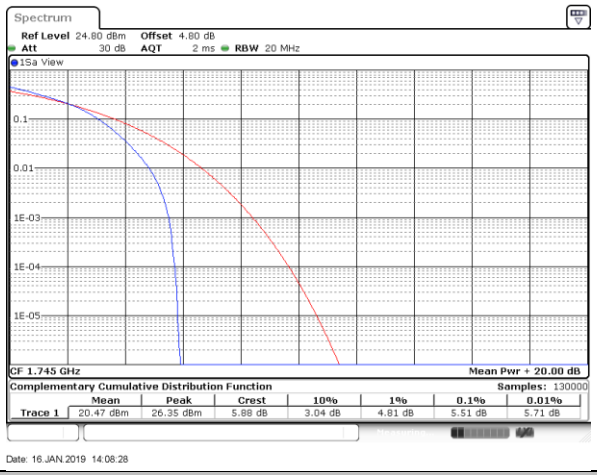
Lowest Channel / Full RB



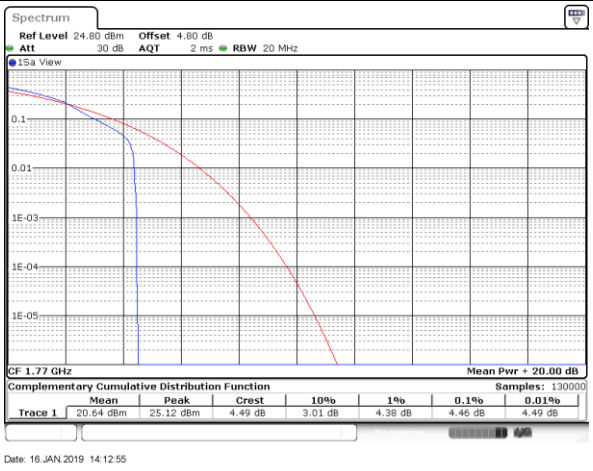
Middle Channel / 1RB



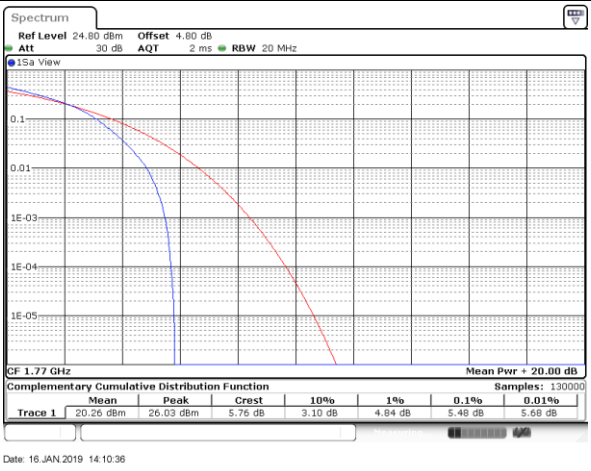
Middle Channel / Full RB



Highest Channel / 1RB

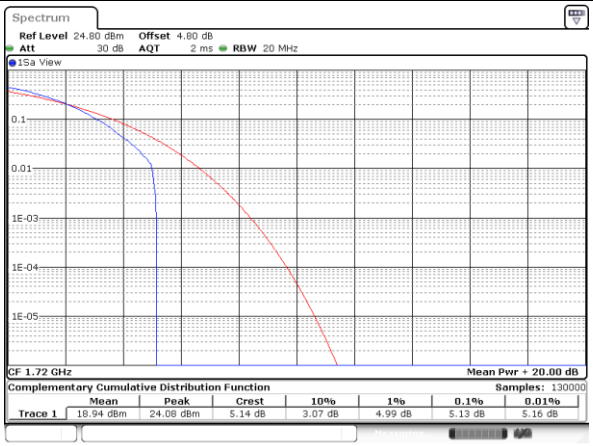


Highest Channel / Full RB

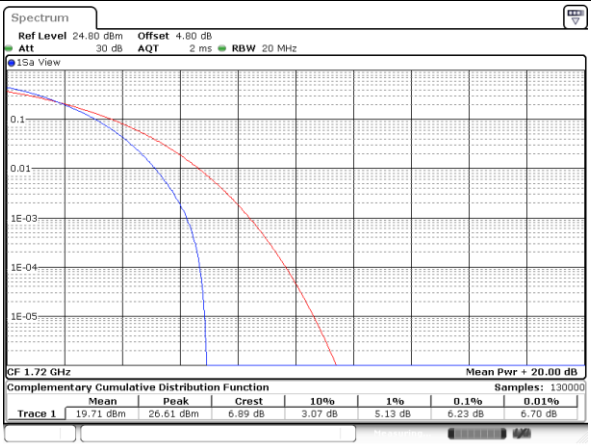


LTE Band 66 / 20MHz / 64QAM

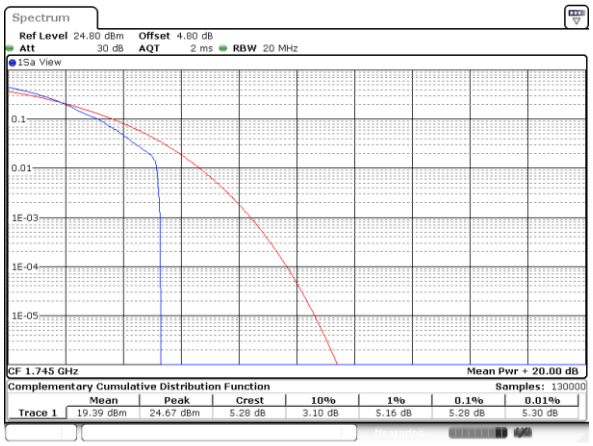
Lowest Channel / 1RB



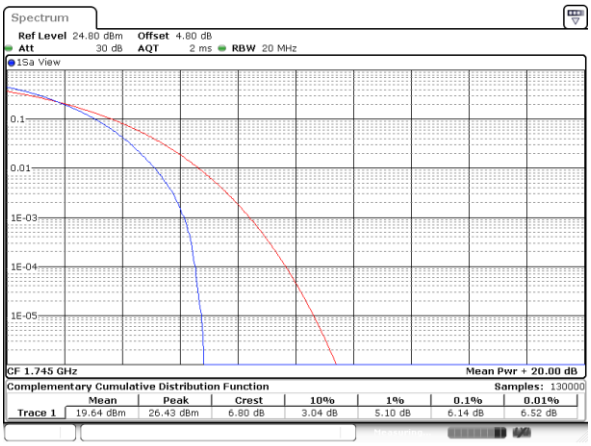
Lowest Channel / Full RB



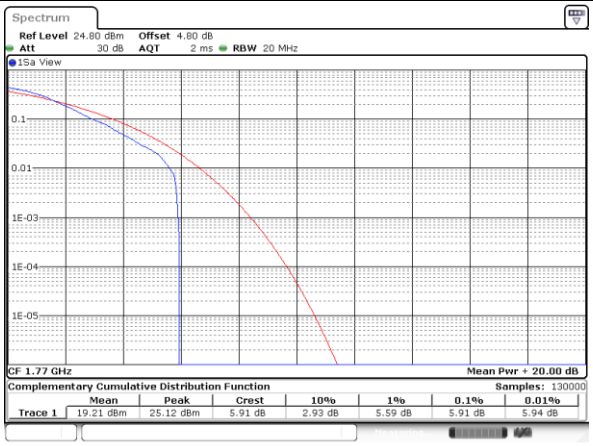
Middle Channel / 1RB



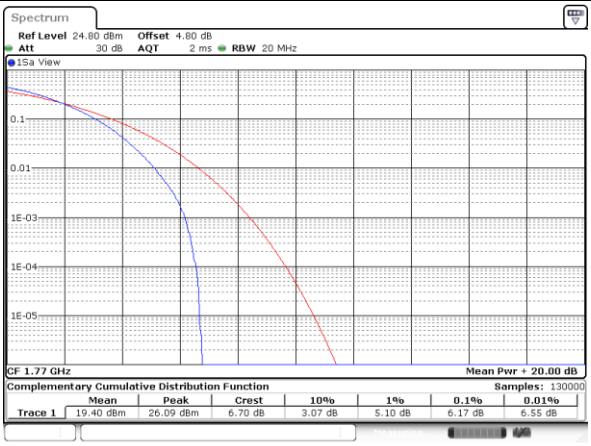
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



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	-	-	-	-	4.885	4.885	9.67	9.93	14.625	14.476	20.34	20.34
Middle CH	-	-	-	-	4.935	4.995	9.75	9.65	14.595	14.595	20.18	20.34
Highest CH	-	-	-	-	4.905	4.845	9.69	9.83	14.386	14.266	20.14	20.1
BW	5MHz	10MHz	15MHz	20MHz	-		-		-		-	
Mod.	64QAM	64QAM	64QAM	64QAM	-	-	-	-	-	-	-	-
Lowest CH	4.945	10.01	14.476	20.3	-	-	-	-	-	-	-	-
Middle CH	4.835	9.85	14.505	20.42	-	-	-	-	-	-	-	-
Highest CH	4.905	9.79	14.386	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	1.2364	1.2308	3.003	2.991	4.935	4.895	9.67	9.77	-	-	-	-
Middle CH	1.2252	1.228	2.997	3.0569	4.825	4.835	9.83	9.79	-	-	-	-
Highest CH	1.2252	1.2308	3.027	2.967	4.875	4.945	9.63	9.87	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz	3MHz	5MHz	10MHz	-		-		-		-	
Mod.	64QAM	64QAM	64QAM	64QAM	-		-	-	-	-	-	-
Lowest CH	1.2364	3.039	4.885	9.87	-		-	-	-	-	-	-
Middle CH	1.2392	3.039	4.875	9.69	-		-	-	-	-	-	-
Highest CH	1.2252	2.997	4.825	9.81	-		-	-	-	-	-	-

Mode	LTE Band 13 : 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	-	-	-	-	4.875	4.935	-	-	-	-	-	-
Middle CH	-	-	-	-	4.875	4.895	9.75	9.83	-	-	-	-
Highest CH	-	-	-	-	4.955	4.855	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.885	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.905	-	9.65	-	-	-	-	-
Highest CH	-	-	-	-	4.895	-	-	-	-	-	-	-

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	1.2392	1.228	2.997	3.0569	4.905	4.825	9.75	9.85	14.326	14.446	20.22	20.18
Middle CH	1.2196	1.2224	3.015	3.045	4.905	4.905	9.85	9.61	14.386	14.296	20.26	20.26
Highest CH	1.2336	1.2252	3.0569	3.003	4.935	4.865	9.89	9.87	14.476	14.206	20.06	20.1
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.2308	3.039	4.985	9.69	14.476	20.3						
Middle CH	1.2252	3.027	4.865	9.81	14.206	20.1						
Highest CH	1.214	3.009	4.965	9.85	14.296	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	1.2224	1.2308	3.0689	3.021	4.975	4.855	9.87	9.81	14.236	14.326	14.446	14.296
Middle CH	1.2252	1.228	3.009	2.991	4.885	4.825	9.67	9.85	14.505	14.535	-	-
Highest CH	1.228	1.228	3.015	3.009	4.935	4.895	9.73	9.83	14.236	14.476	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	CH26765						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.2336	2.985	4.935	9.71	14.356	14.416						
Middle CH	1.2196	3.045	4.865	9.71	14.356	-						
Highest CH	1.242	3.0569	4.935	9.73	14.266	-						

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	-	-	-	-	4.905	4.875	9.75	9.73	14.386	14.086	20.06	19.9
Middle CH	-	-	-	-	4.835	4.855	9.61	9.93	14.236	14.206	20.06	20.1
Highest CH	-	-	-	-	4.895	4.835	9.77	9.61	14.206	14.116	20.02	19.98
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.795	-	9.83	-	14.176	-	20.02	-
Middle CH	-	-	-	-	4.825	-	9.75	-	14.446	-	20.1	-
Highest CH	-	-	-	-	4.725	-	9.73	-	14.356	-	20.14	-

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	1.2224	1.2364	3.015	3.003	5.005	4.995	9.69	9.71	14.446	14.416	20.1	20.18
Middle CH	1.2252	1.2168	2.9491	3.0749	4.895	4.905	9.91	9.81	14.505	14.535	20.22	20.14
Highest CH	1.2224	1.228	2.997	3.003	4.835	4.895	9.75	9.71	14.326	14.236	20.14	20.38
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.214	-	2.967	-	4.915	-	9.85	-	14.386	-	20.14	-
Middle CH	1.228	-	3.015	-	4.885	-	9.95	-	14.356	-	20.18	-
Highest CH	1.2196	-	3.039	-	4.865	-	9.93	-	14.595	-	20.14	-

For CA:

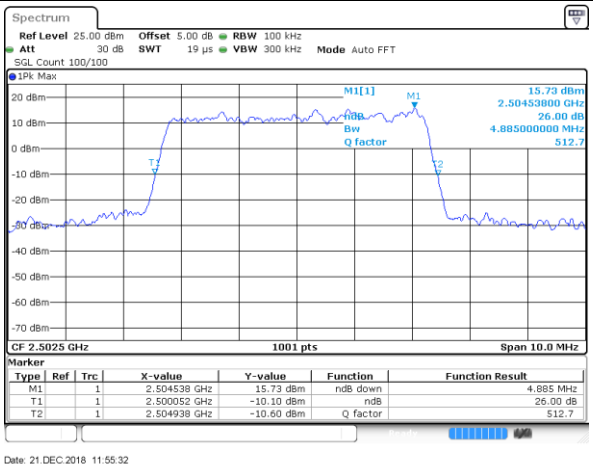
Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.91	-	25.075	30.45
Middle CH	29.85	-	25.275	30.689
Highest CH	29.79	-	25.125	30.27
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.545	30.09	34.965	39.72
Middle CH	34.755	30.03	34.965	39.8
Highest CH	34.755	29.91	34.825	39.8

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.73	-	25.175	30.509
Middle CH	29.97	-	25.325	30.45
Highest CH	29.85	-	25.125	30.509
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.685	30.21	34.825	39.72
Middle CH	34.965	30.15	35.105	39.88
Highest CH	34.685	29.91	34.825	39.56

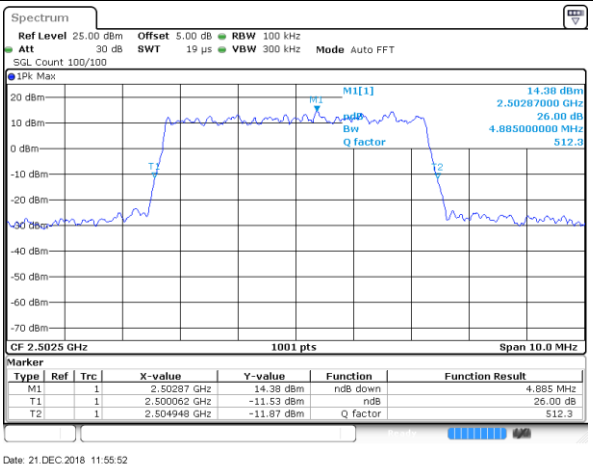
Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.67	-	25.075	30.45
Middle CH	29.91	-	25.225	30.569
Highest CH	29.91	-	25.175	30.509
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.685	30.09	34.965	39.72
Middle CH	34.685	30.09	35.035	39.88
Highest CH	34.685	29.97	34.825	39.8

LTE Band 7

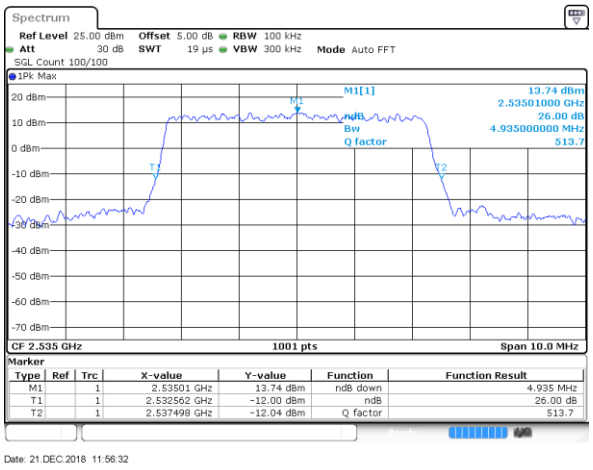
Lowest Channel / 5MHz / QPSK



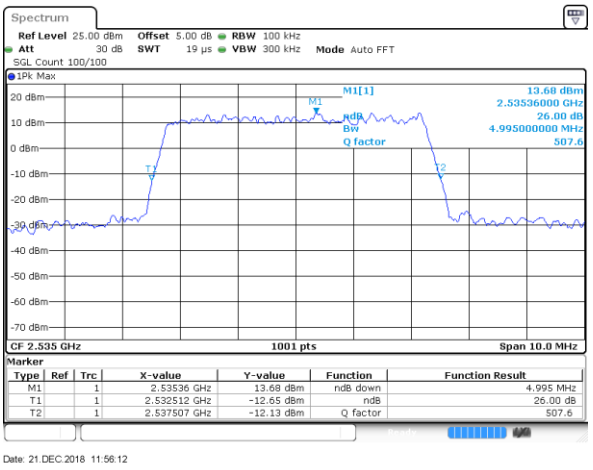
Lowest Channel / 5MHz / 16QAM



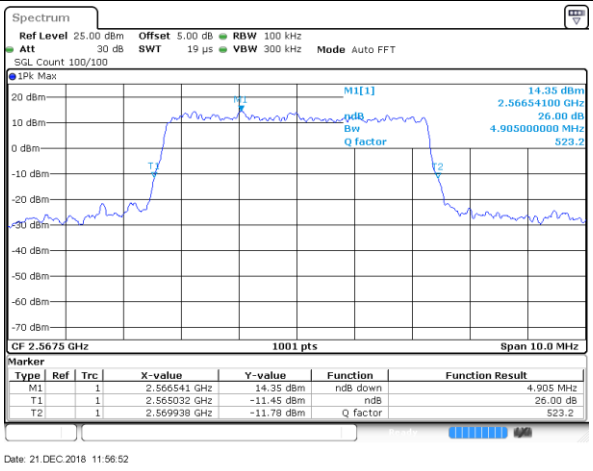
Middle Channel / 5MHz / QPSK



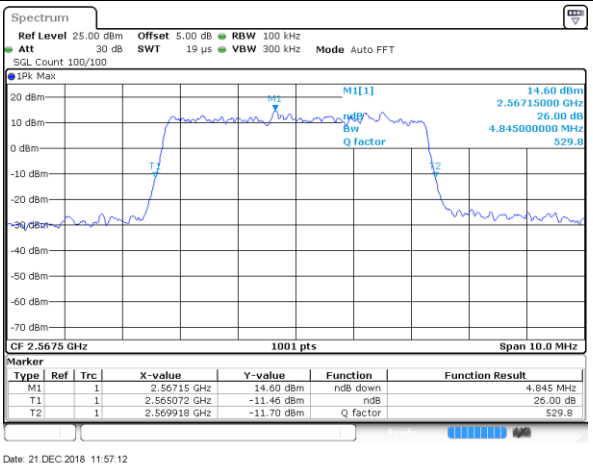
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

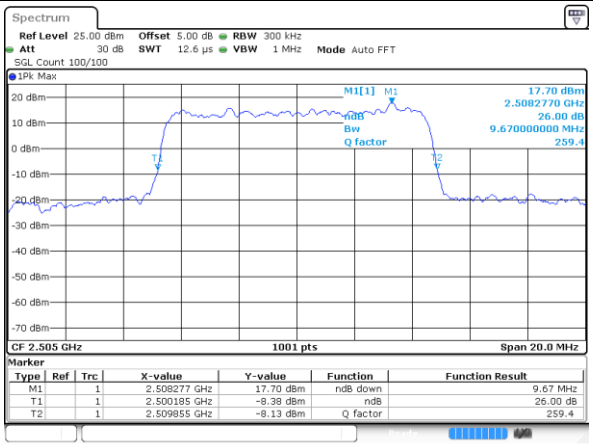


Highest Channel / 5MHz / 16QAM

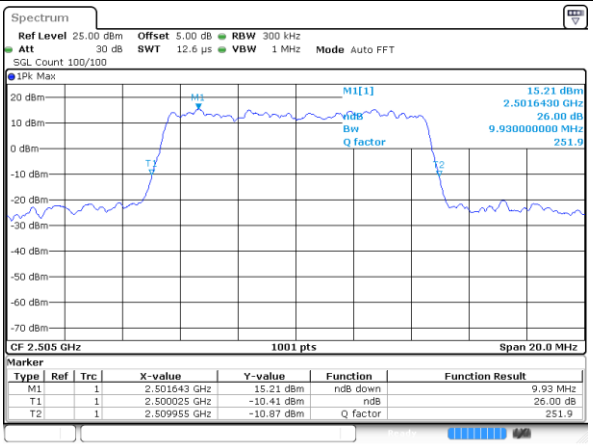


LTE Band 7

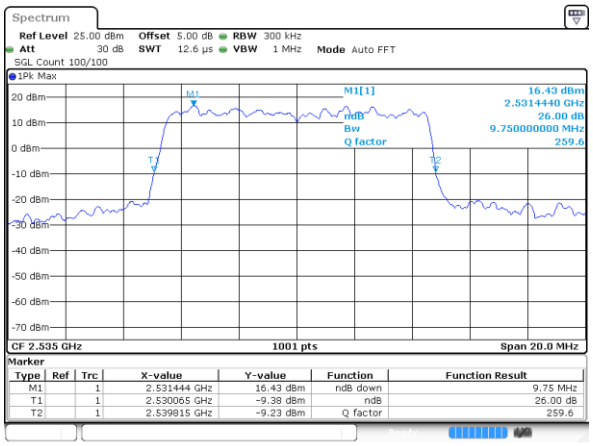
Lowest Channel / 10MHz / QPSK



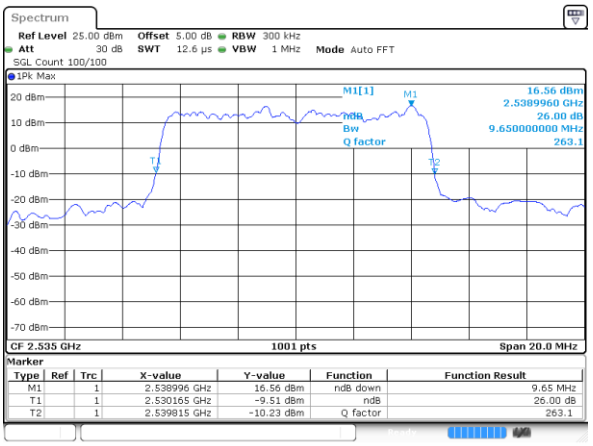
Lowest Channel / 10MHz / 16QAM



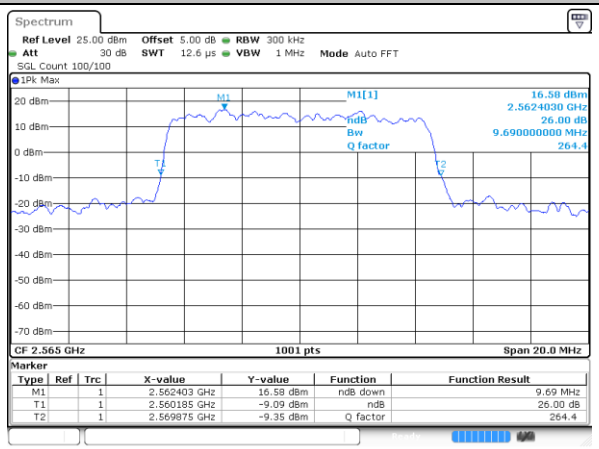
Middle Channel / 10MHz / QPSK



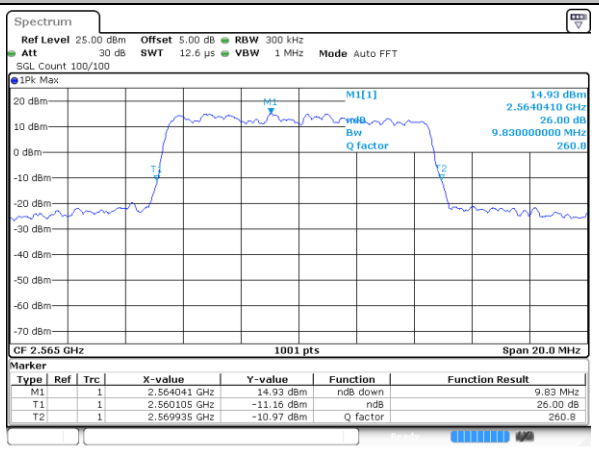
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

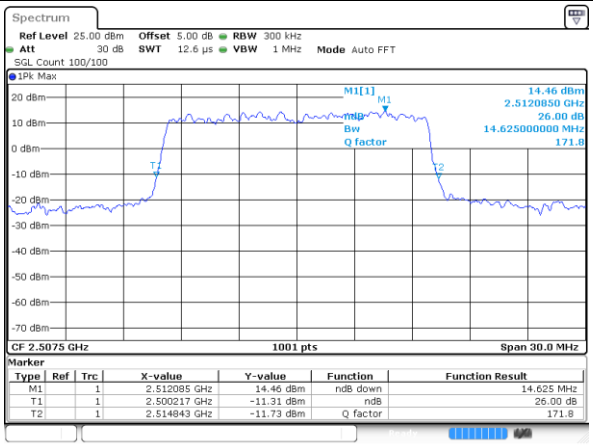


Highest Channel / 10MHz / 16QAM

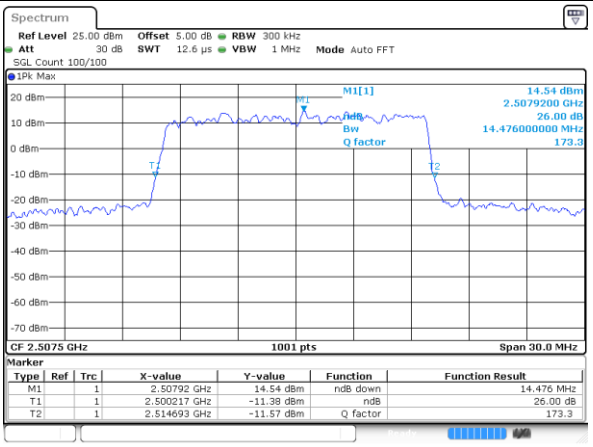


LTE Band 7

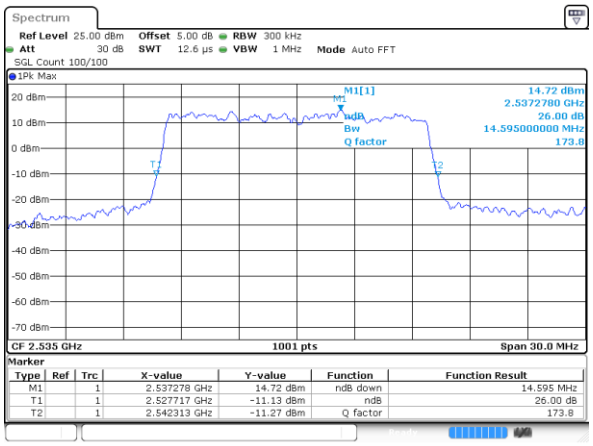
Lowest Channel / 15MHz / QPSK



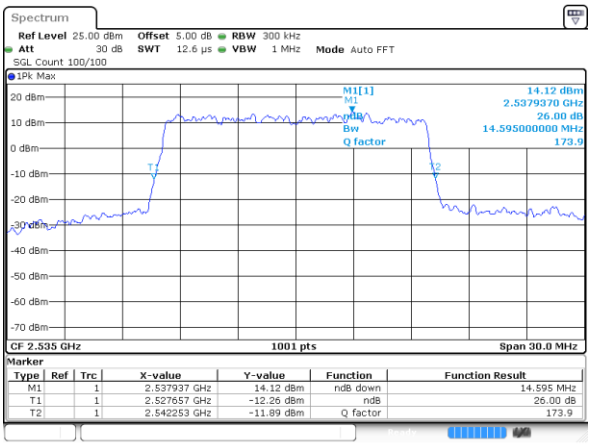
Lowest Channel / 15MHz / 16QAM



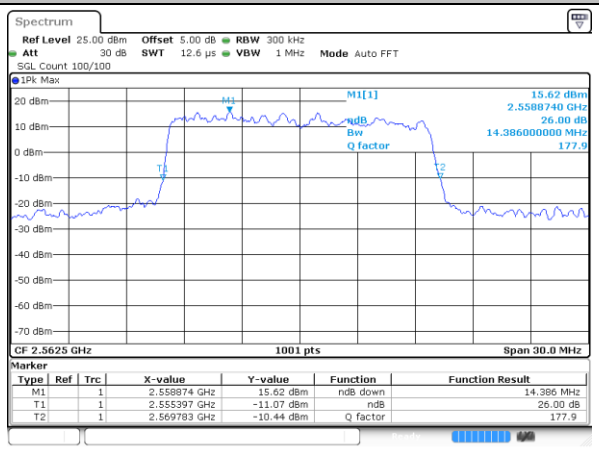
Middle Channel / 15MHz / QPSK



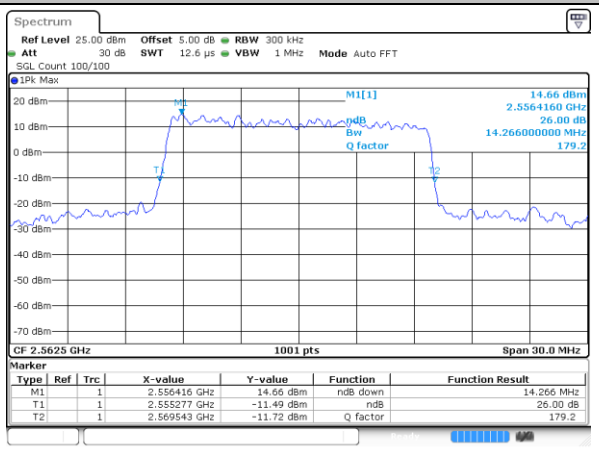
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

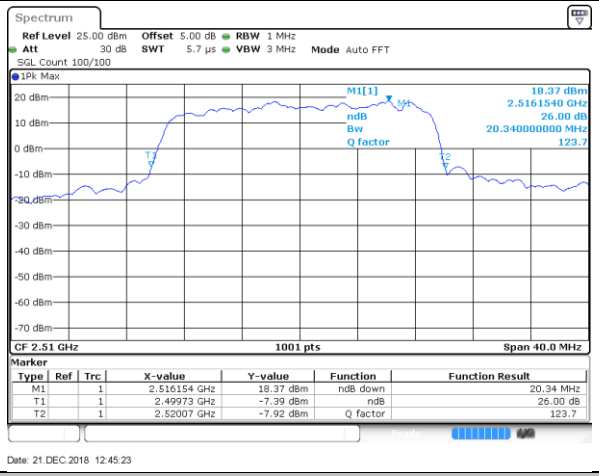


Highest Channel / 15MHz / 16QAM

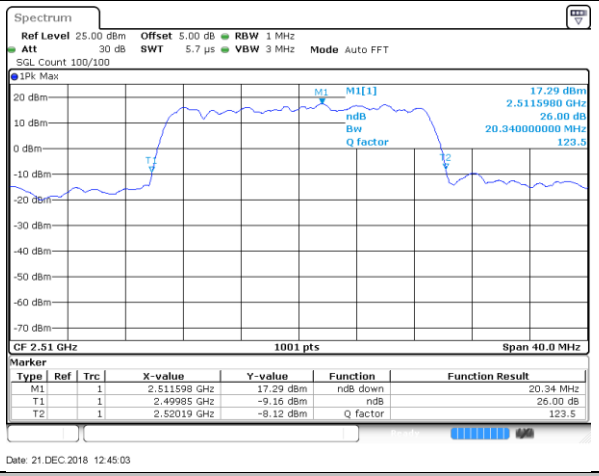


LTE Band 7

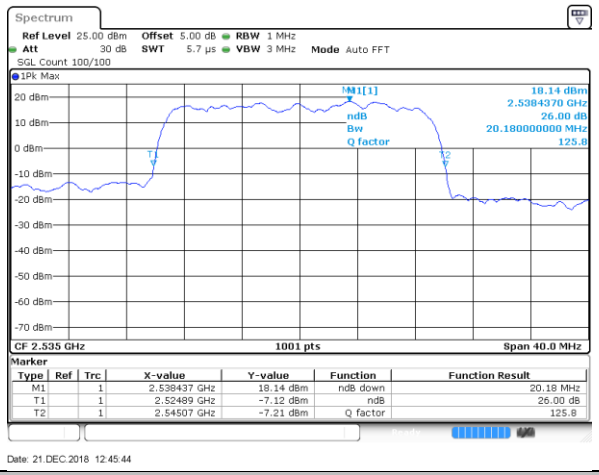
Lowest Channel / 20MHz / QPSK



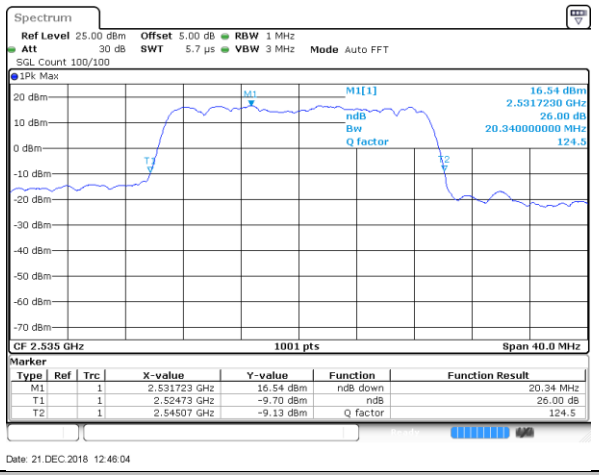
Lowest Channel / 20MHz / 16QAM



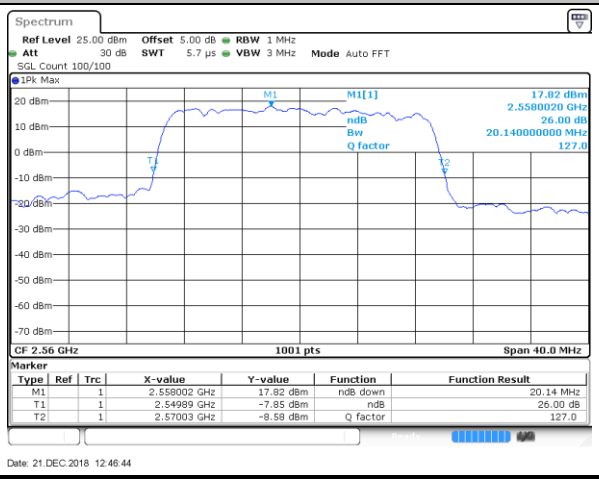
Middle Channel / 20MHz / QPSK



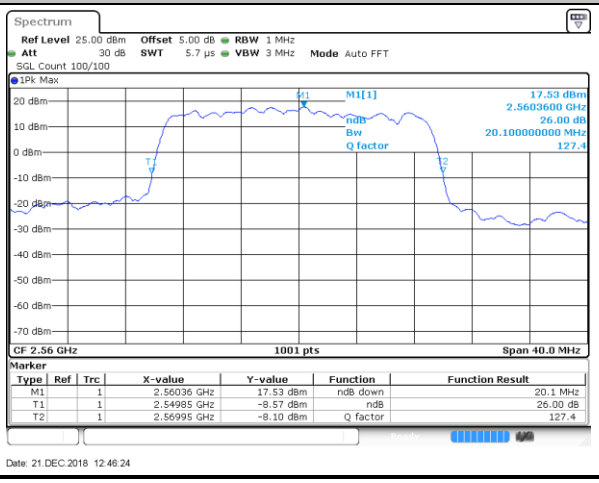
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

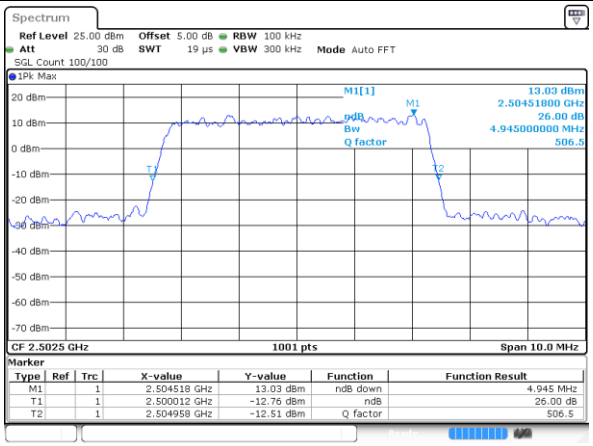


Highest Channel / 20MHz / 16QAM

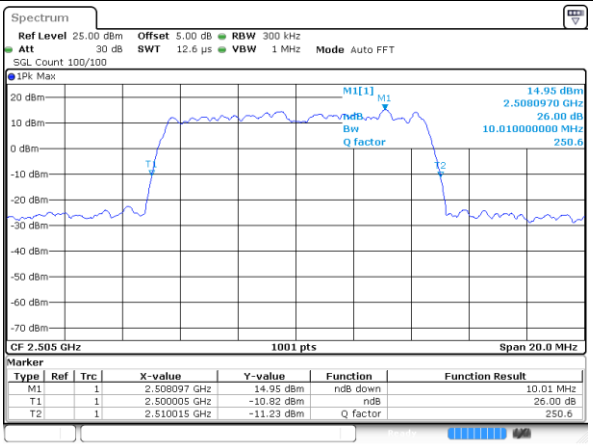


LTE Band 7

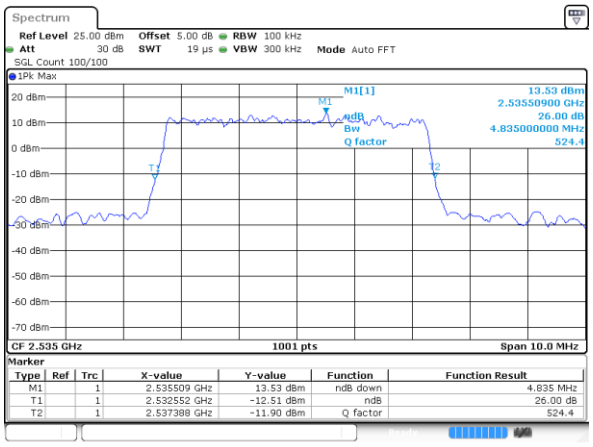
Lowest Channel / 5MHz / 64QAM



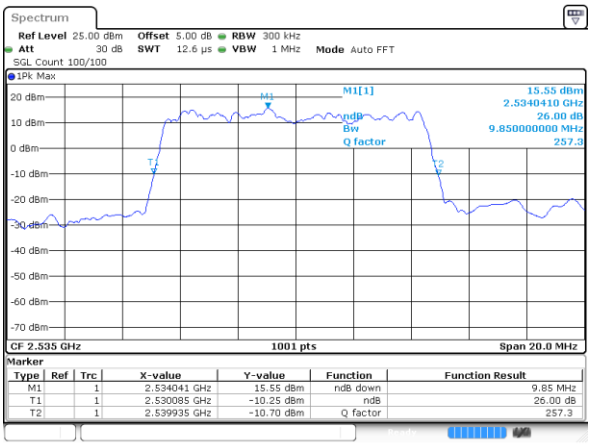
Lowest Channel / 10MHz / 64QAM



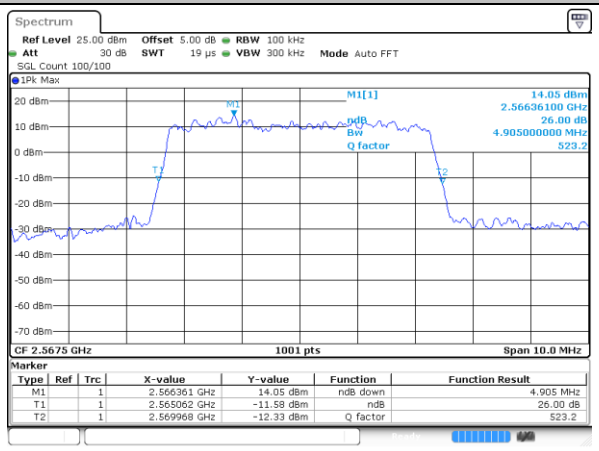
Middle Channel / 5MHz / 64QAM



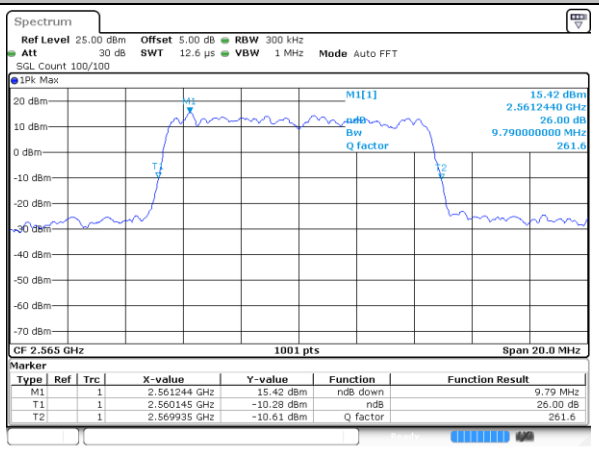
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

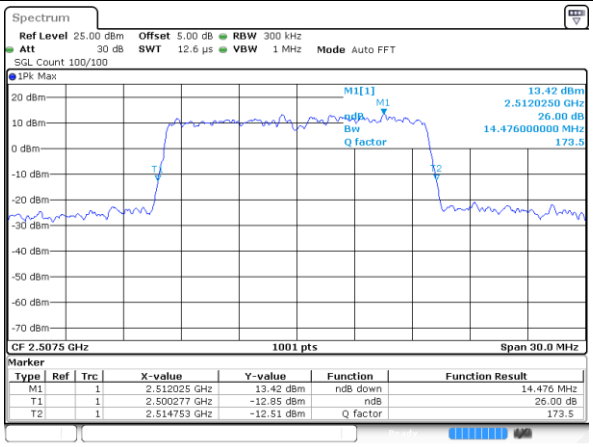


Highest Channel / 10MHz / 64QAM

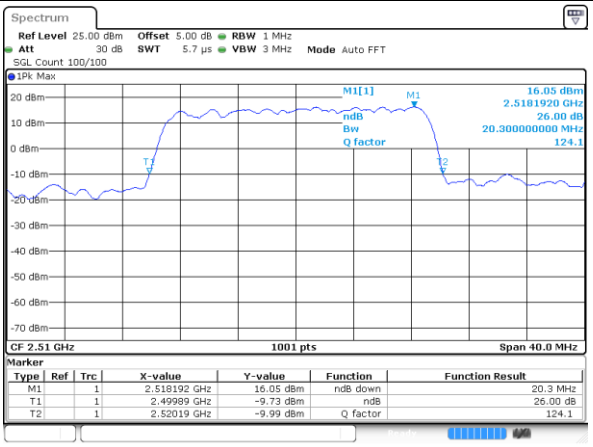


LTE Band 7

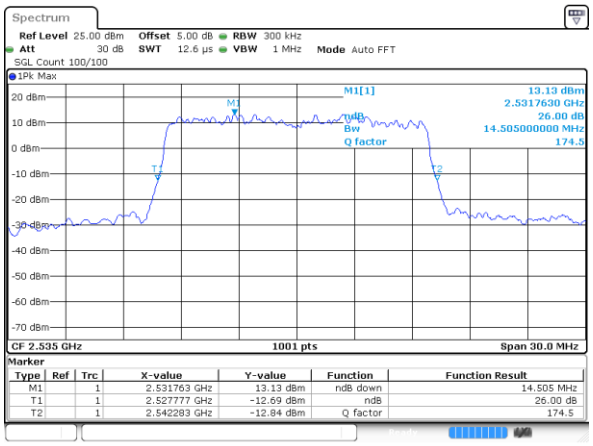
Lowest Channel / 15MHz / 64QAM



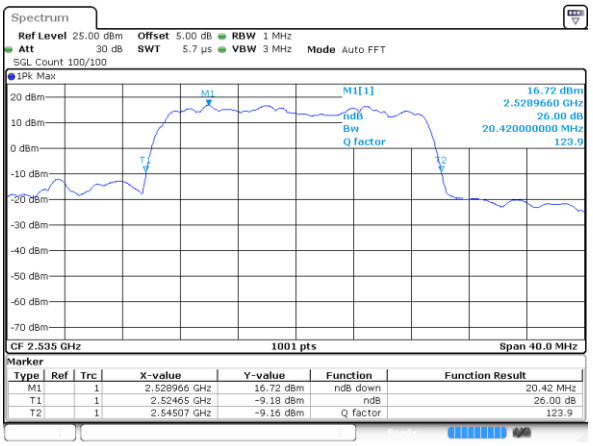
Lowest Channel / 20MHz / 64QAM



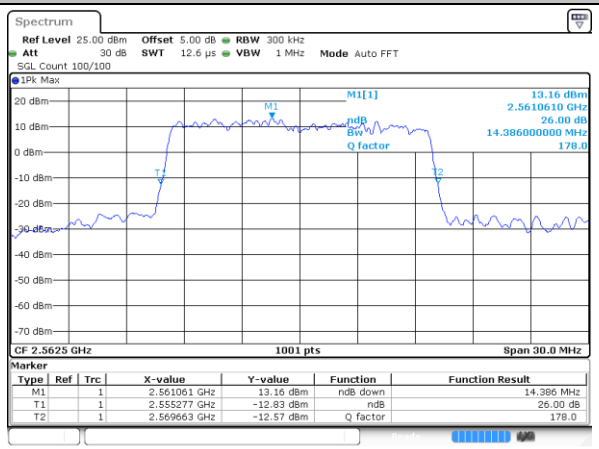
Middle Channel / 15MHz / 64QAM



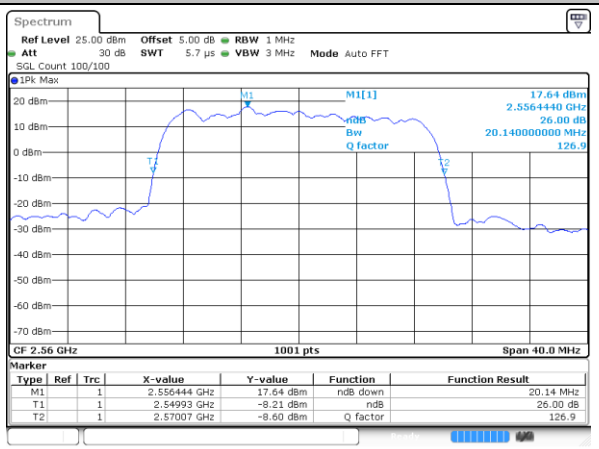
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

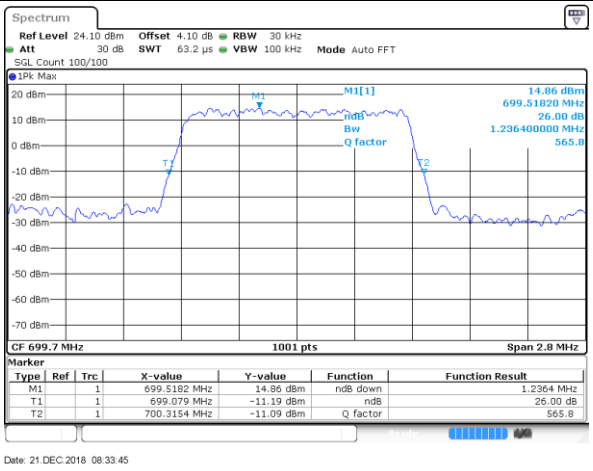


Highest Channel / 20MHz / 64QAM

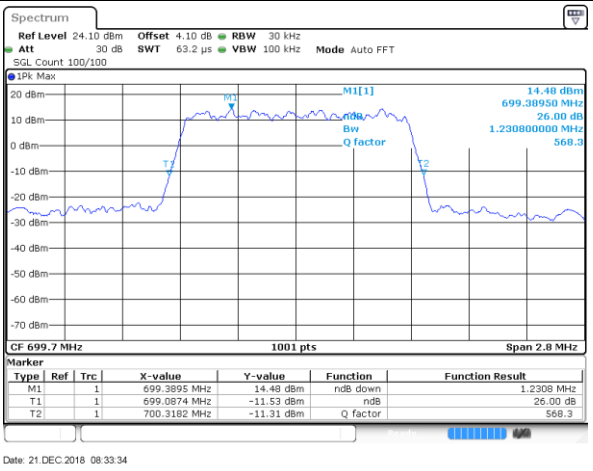


LTE Band 12

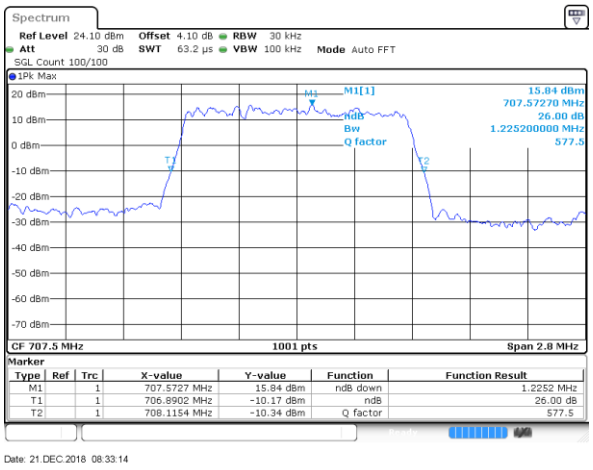
Lowest Channel / 1.4MHz / QPSK



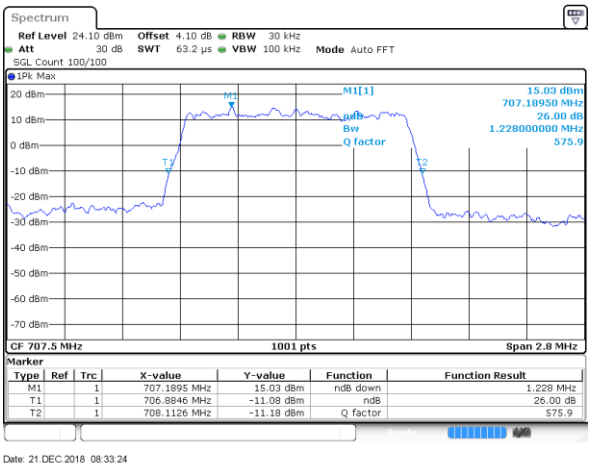
Lowest Channel / 1.4MHz / 16QAM



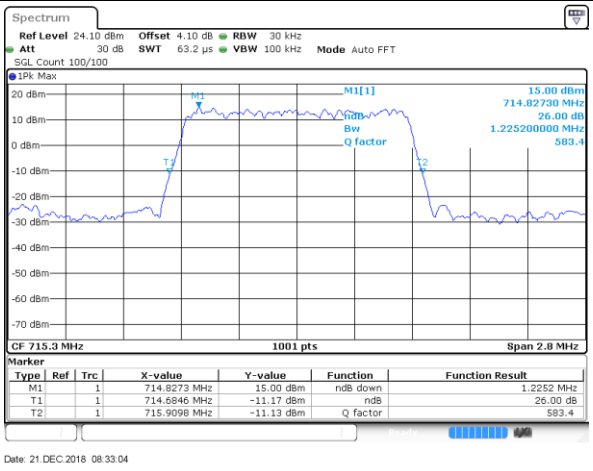
Middle Channel / 1.4MHz / QPSK



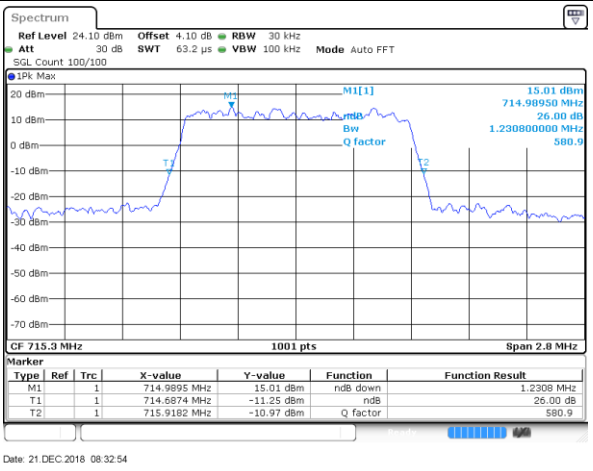
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

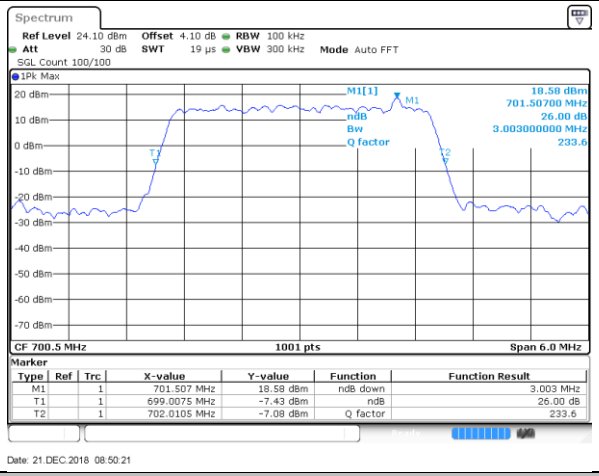


Highest Channel / 1.4MHz / 16QAM

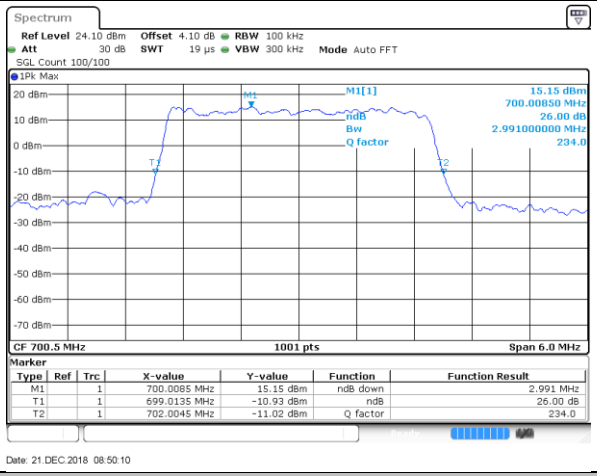


LTE Band 12

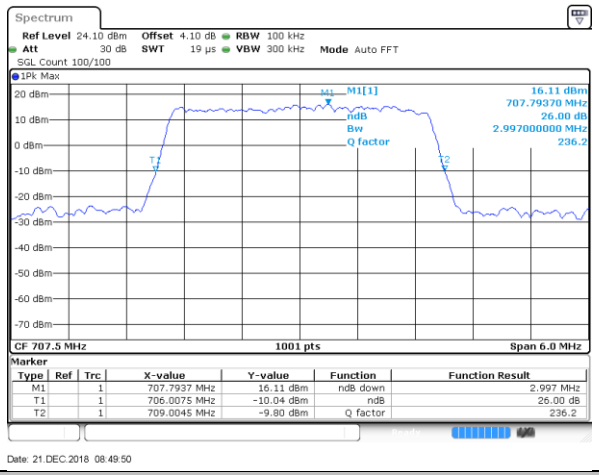
Lowest Channel / 3MHz / QPSK



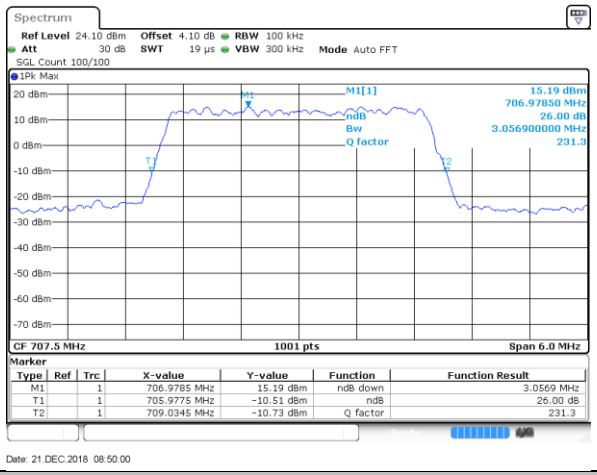
Lowest Channel / 3MHz / 16QAM



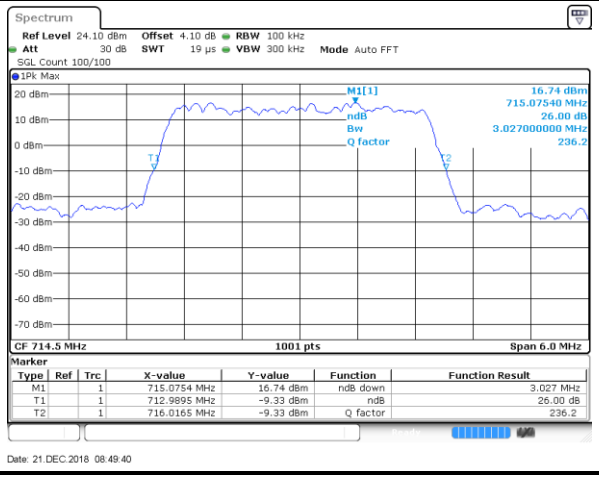
Middle Channel / 3MHz / QPSK



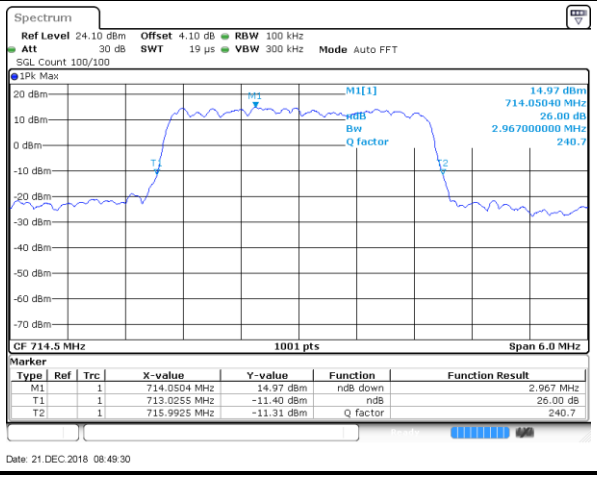
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

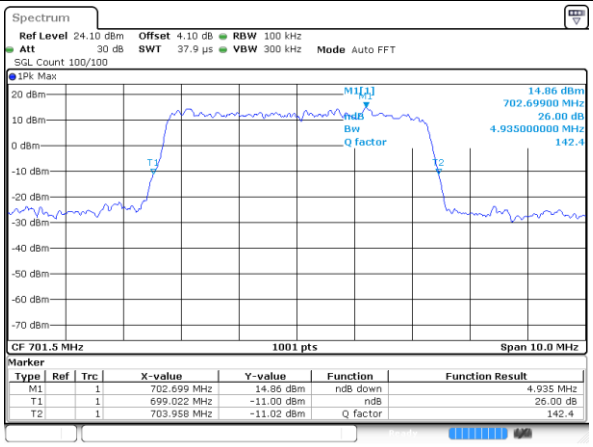


Highest Channel / 3MHz / 16QAM

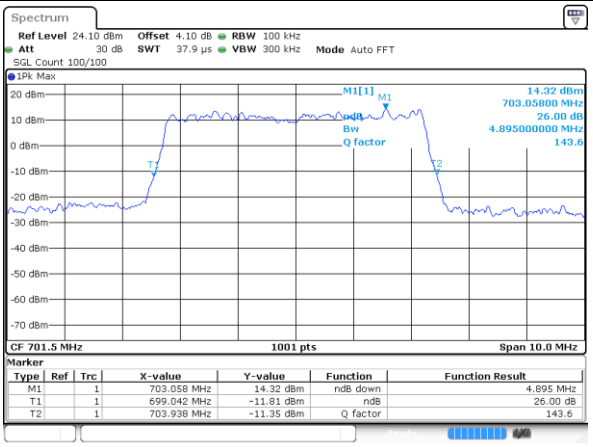


LTE Band 12

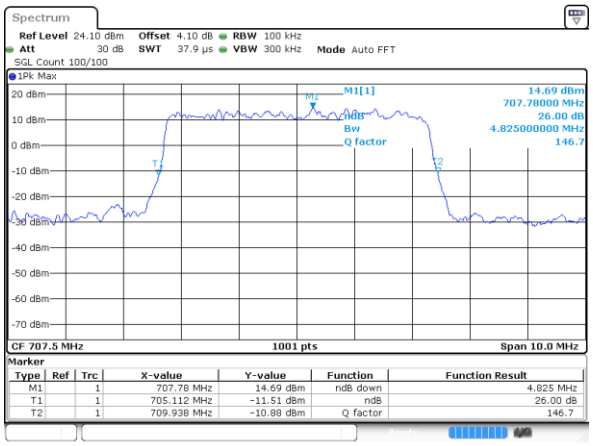
Lowest Channel / 5MHz / QPSK



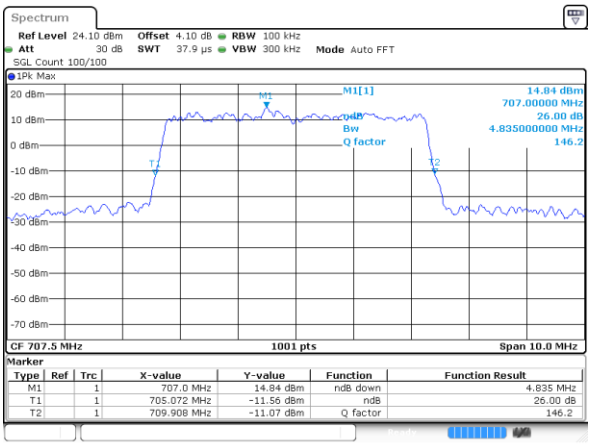
Lowest Channel / 5MHz / 16QAM



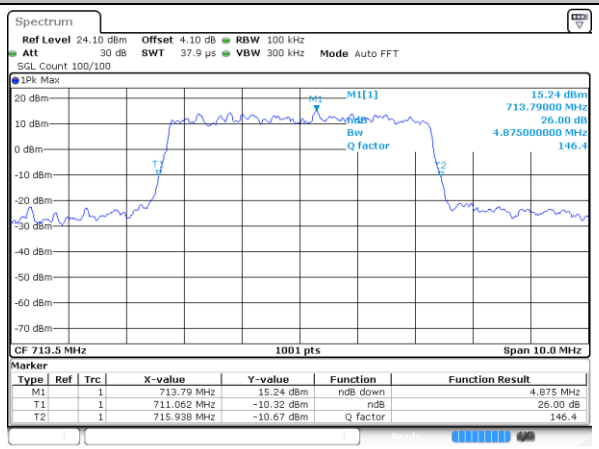
Middle Channel / 5MHz / QPSK



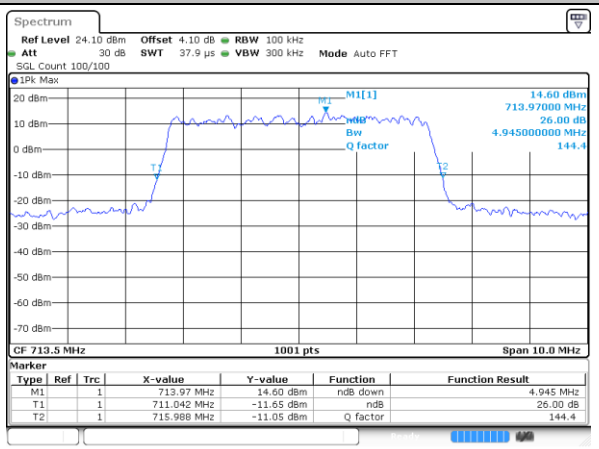
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

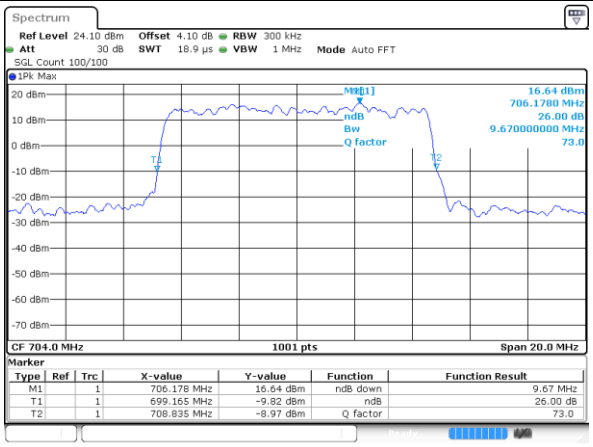


Highest Channel / 5MHz / 16QAM

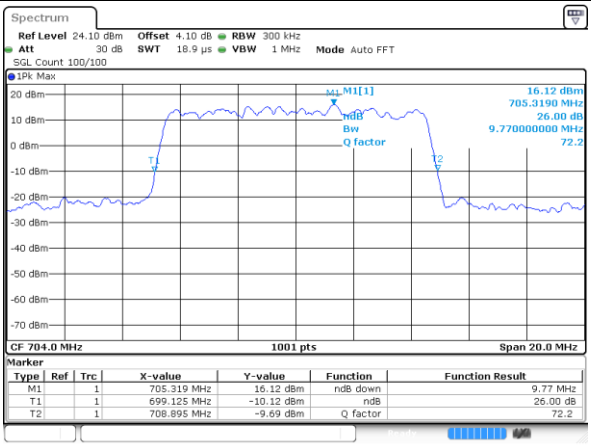


LTE Band 12

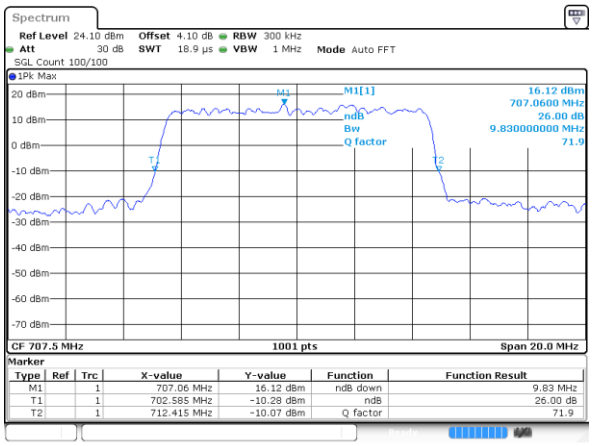
Lowest Channel / 10MHz / QPSK



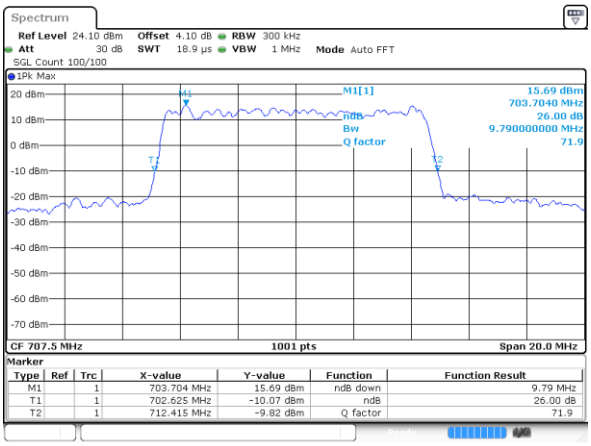
Lowest Channel / 10MHz / 16QAM



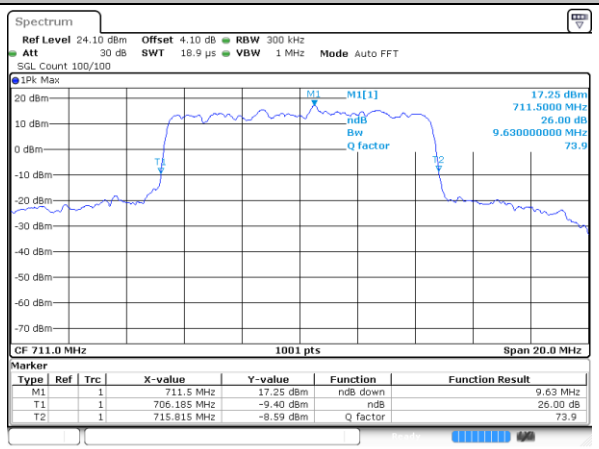
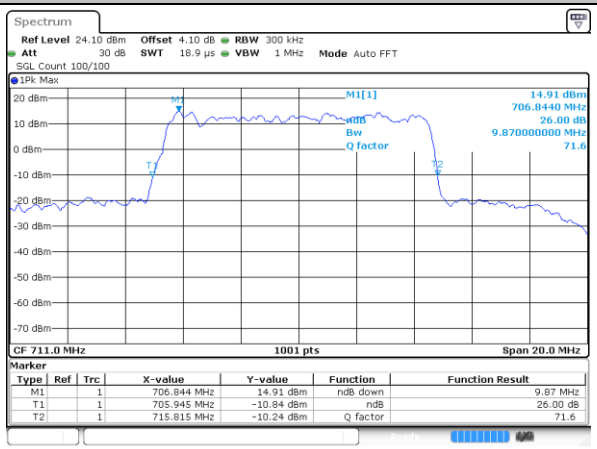
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM