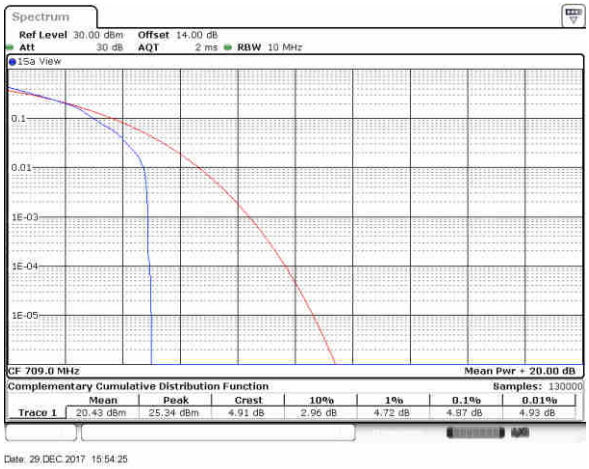
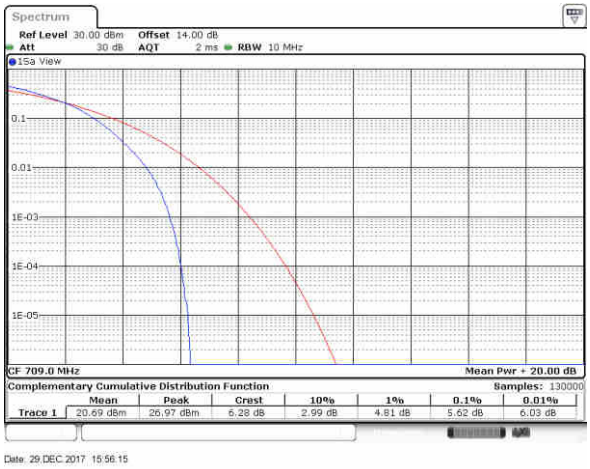
LTE Band 7 / 10MHz / 64QAM

Lowest Channel / 1RB



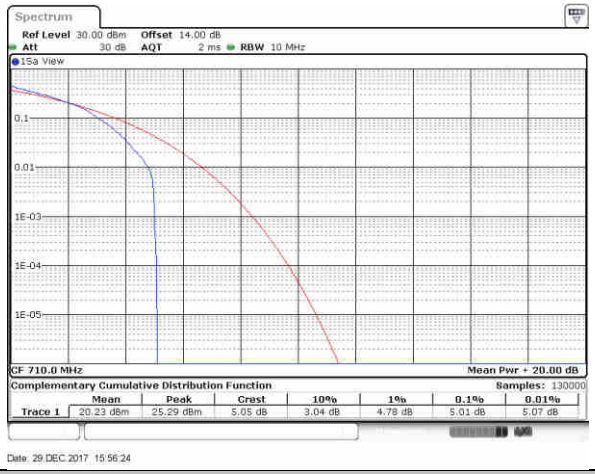
Date: 29.DEC.2017 15:54:25

Lowest Channel / Full RB



Date: 29.DEC.2017 15:56:15

Middle Channel / 1RB



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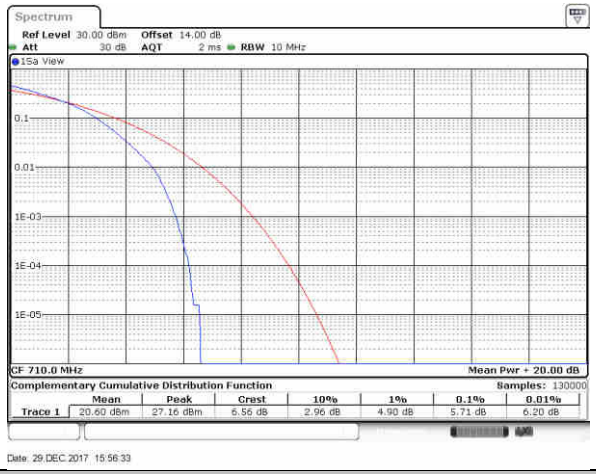
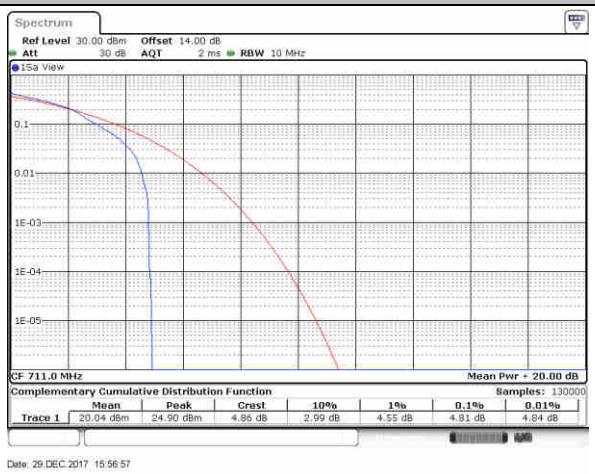
Middle Channel / Full RB



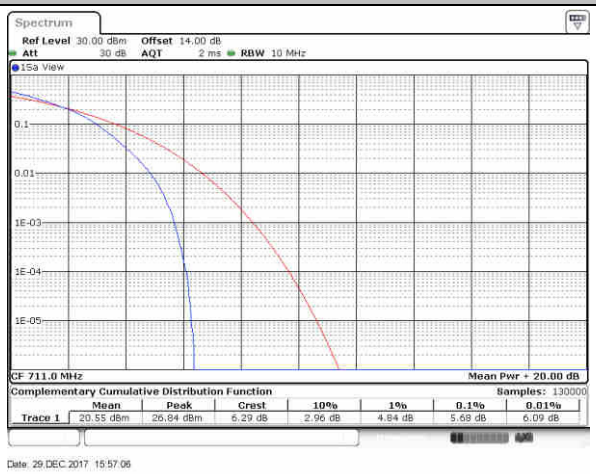
Date: 29.DEC.2017 15:56:33

Highest Channel / 1RB



Date: 29.DEC.2017 15:56:57

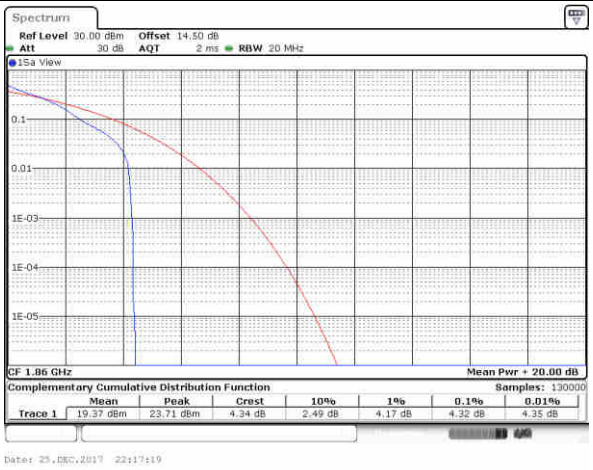
Highest Channel / Full RB



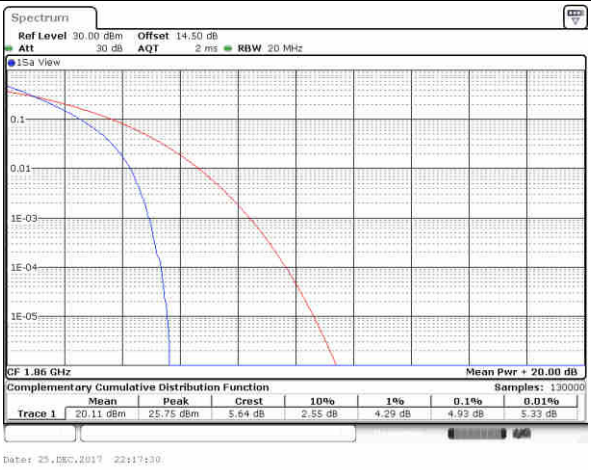
Date: 29.DEC.2017 15:57:06

LTE Band 25 / 20MHz / QPSK

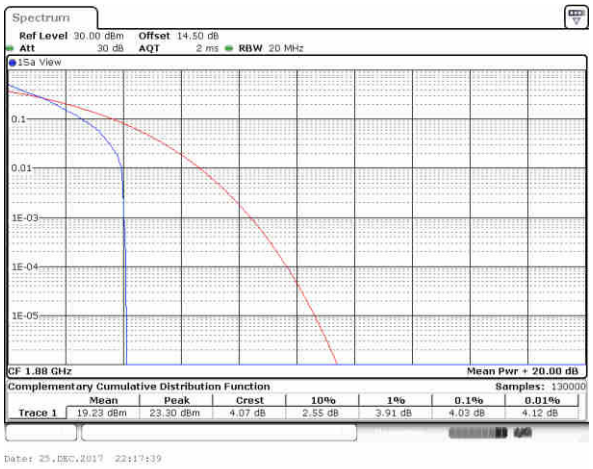
Lowest Channel / 1RB



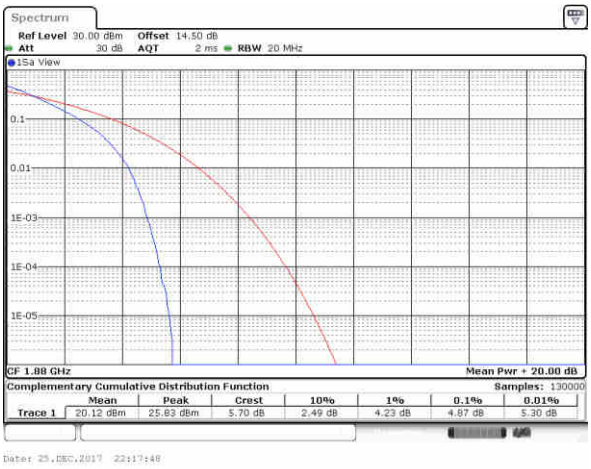
Lowest Channel / Full RB



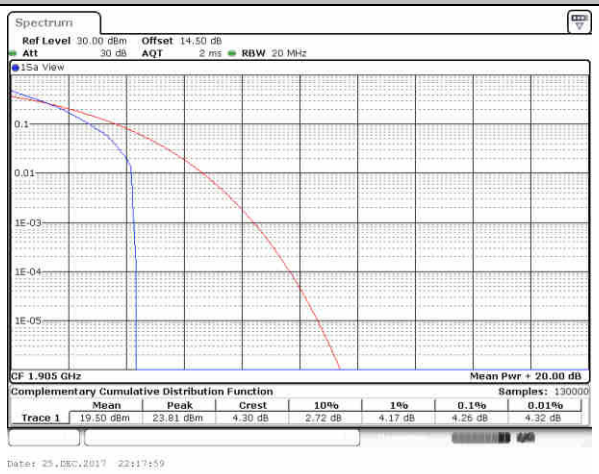
Middle Channel / 1RB



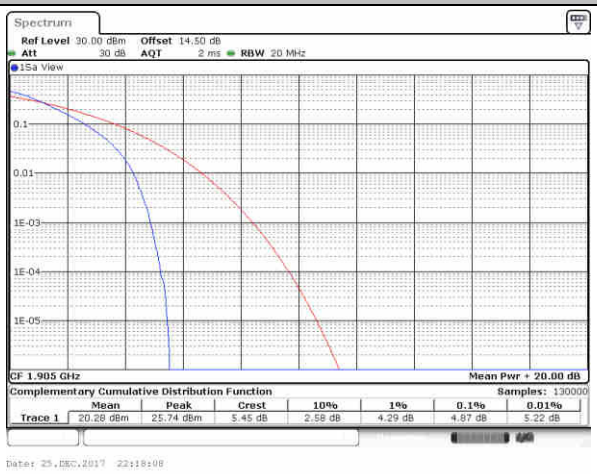
Middle Channel / Full RB



Highest Channel / 1RB

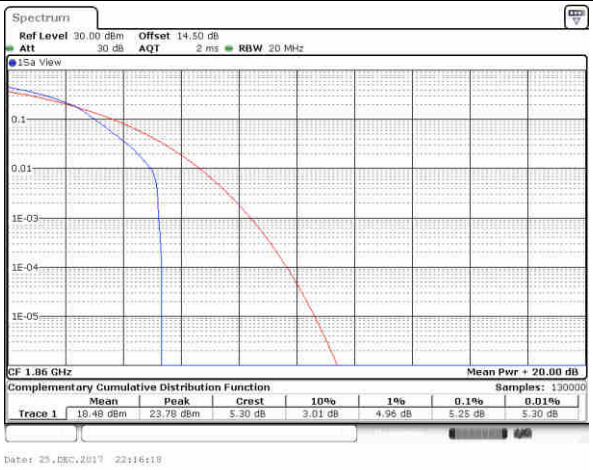


Highest Channel / Full RB

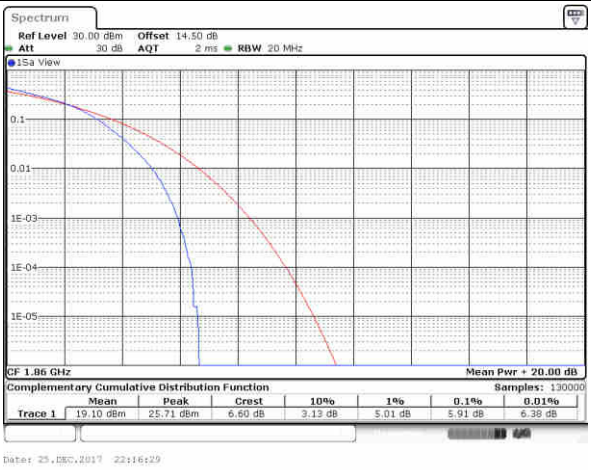


LTE Band 25 / 20MHz / 16QAM

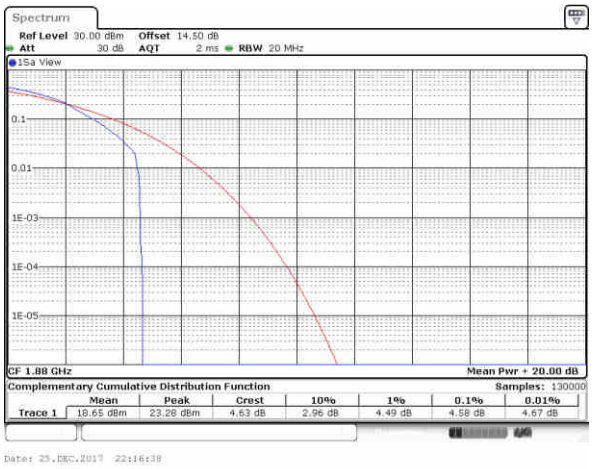
Lowest Channel / 1RB



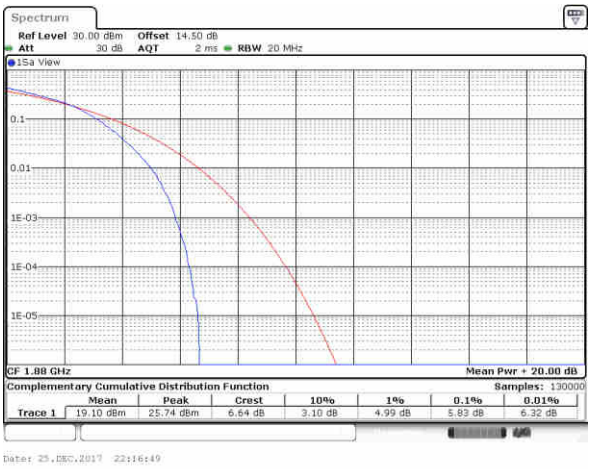
Lowest Channel / Full RB



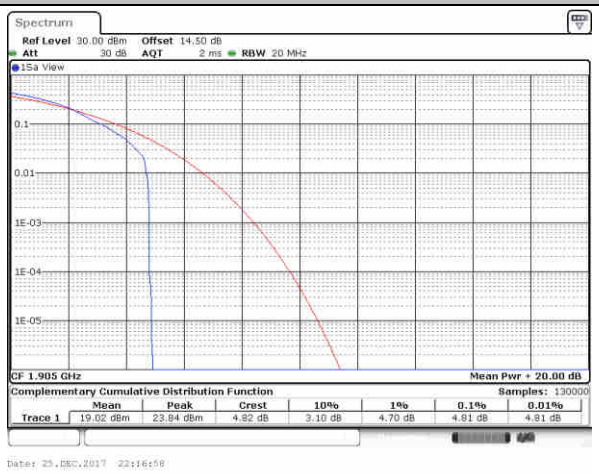
Middle Channel / 1RB



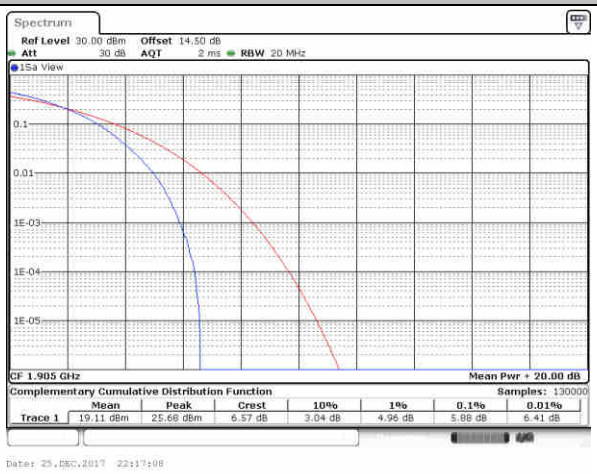
Middle Channel / Full RB



Highest Channel / 1RB

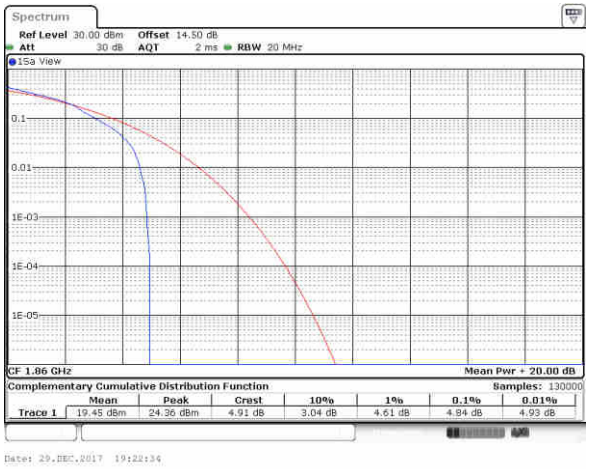


Highest Channel / Full RB

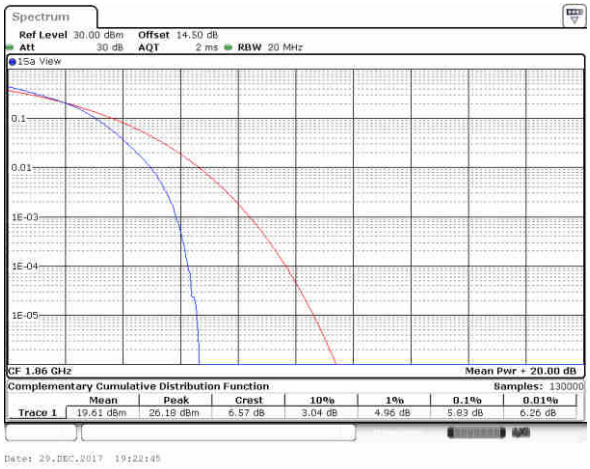


LTE Band 25 / 20MHz / 64QAM

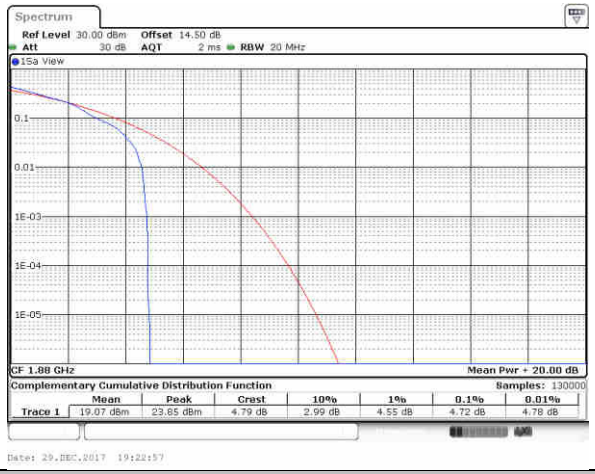
Lowest Channel / 1RB



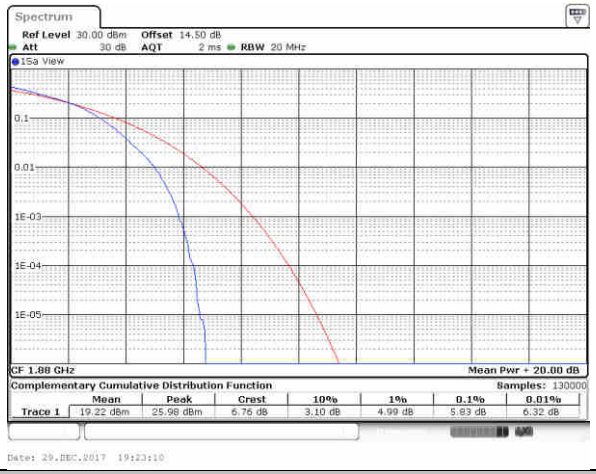
Lowest Channel / Full RB



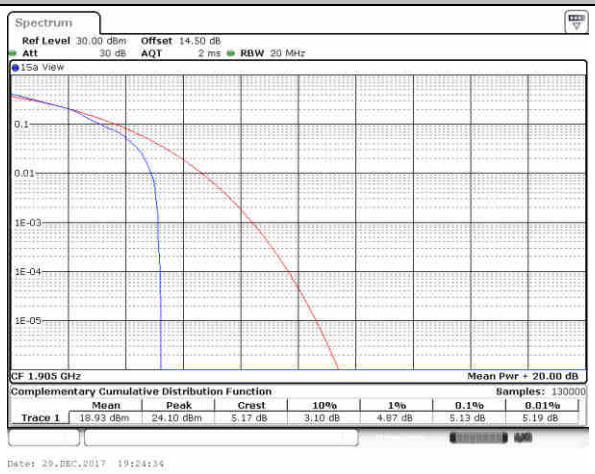
Middle Channel / 1RB



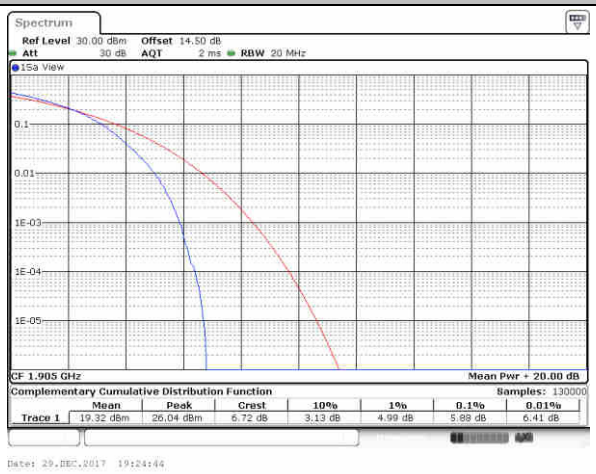
Middle Channel / Full RB



Highest Channel / 1RB

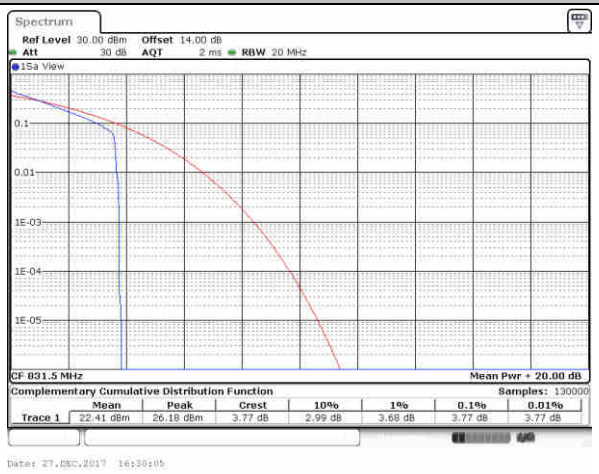


Highest Channel / Full RB

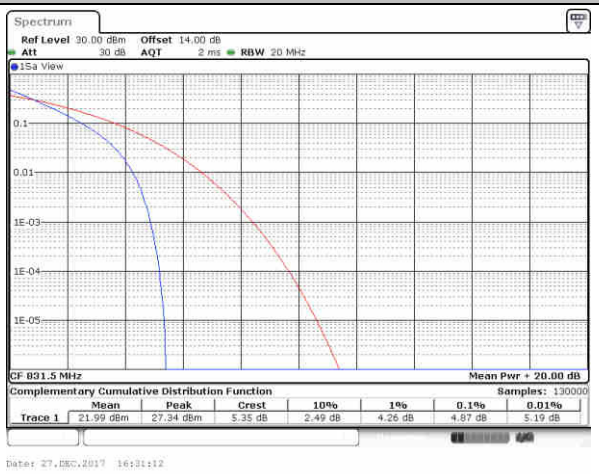


LTE Band 26 / 15MHz / QPSK

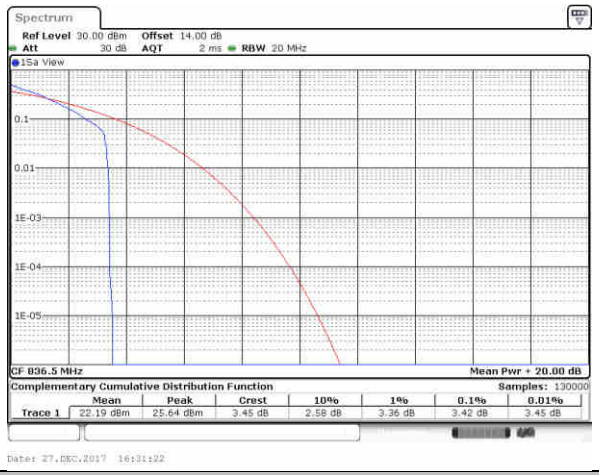
Lowest Channel / 1RB



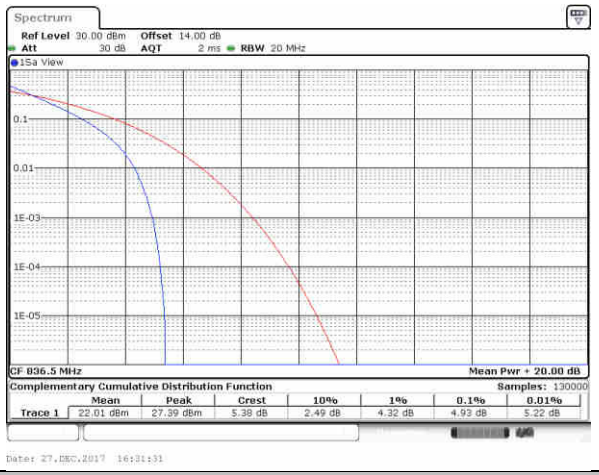
Lowest Channel / Full RB



Middle Channel / 1RB

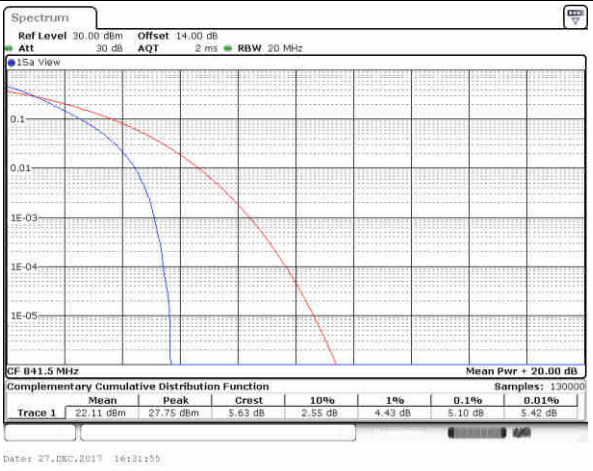


Middle Channel / Full RB



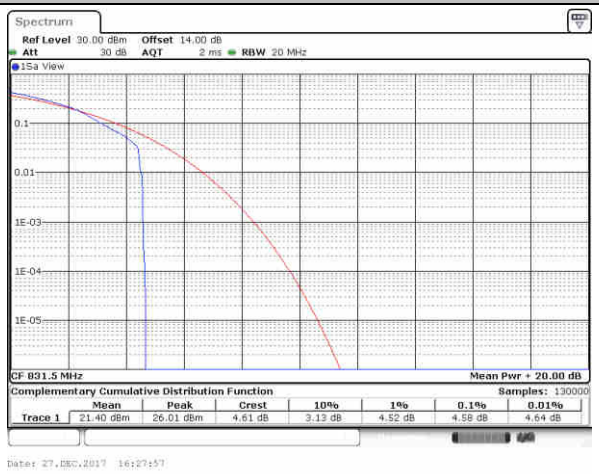
Highest Channel / 1RB

Highest Channel / Full RB

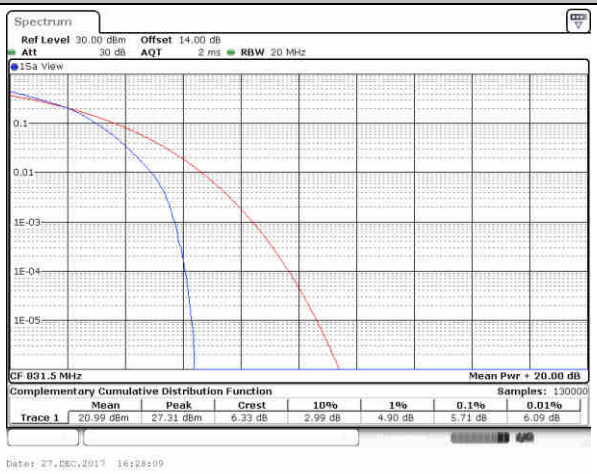


LTE Band 26 / 15MHz / 16QAM

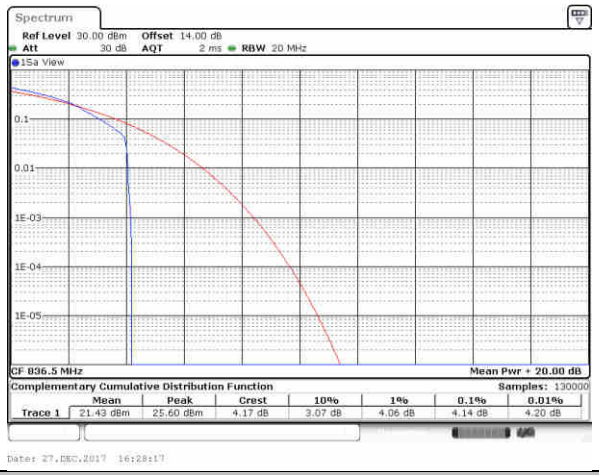
Lowest Channel / 1RB



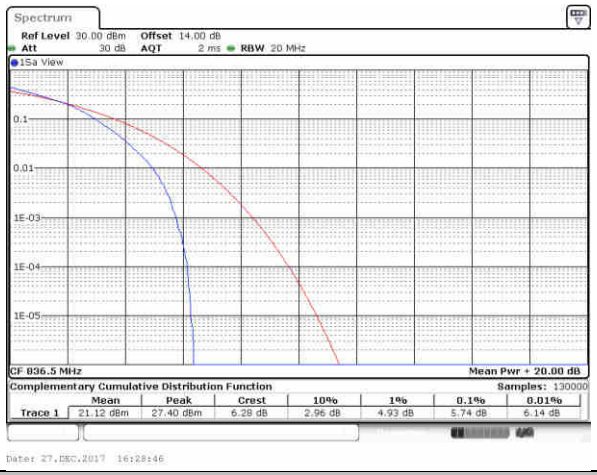
Lowest Channel / Full RB



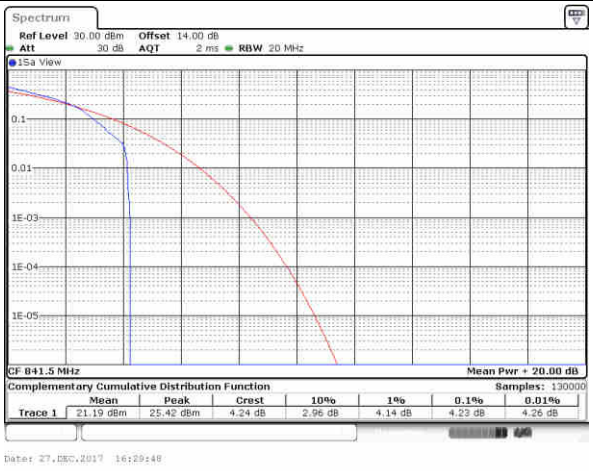
Middle Channel / 1RB



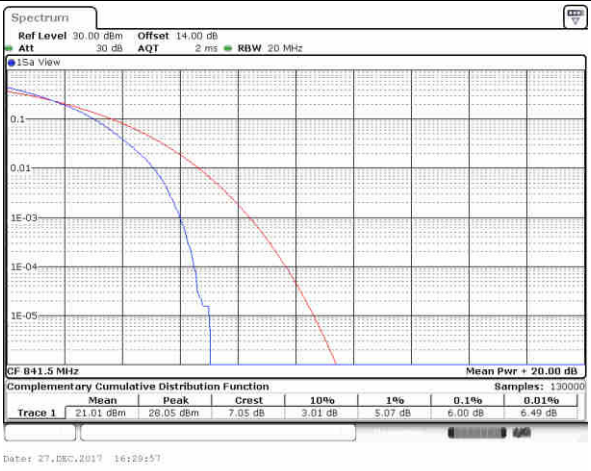
Middle Channel / Full RB



Highest Channel / 1RB

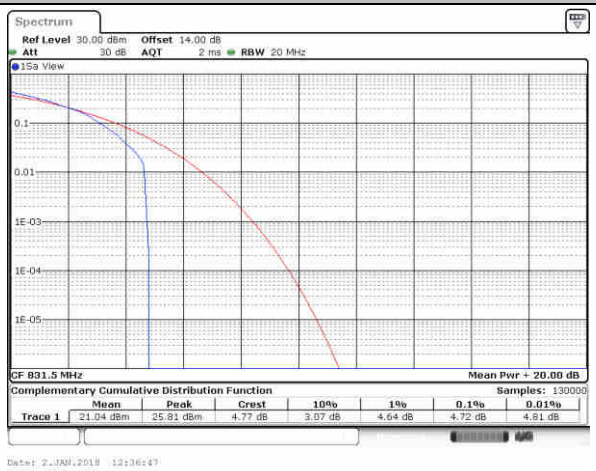


Highest Channel / Full RB

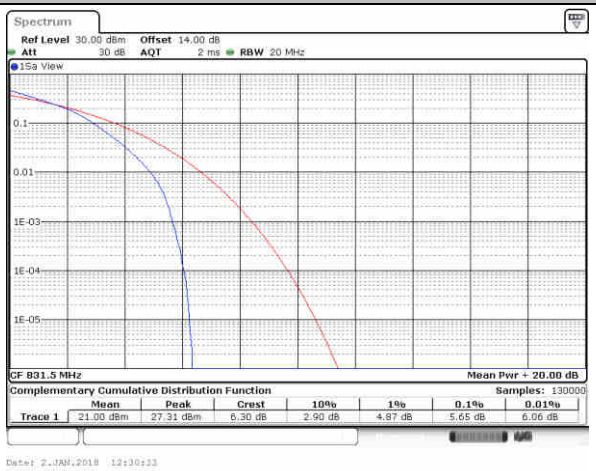


LTE Band 26 / 20MHz / 64QAM

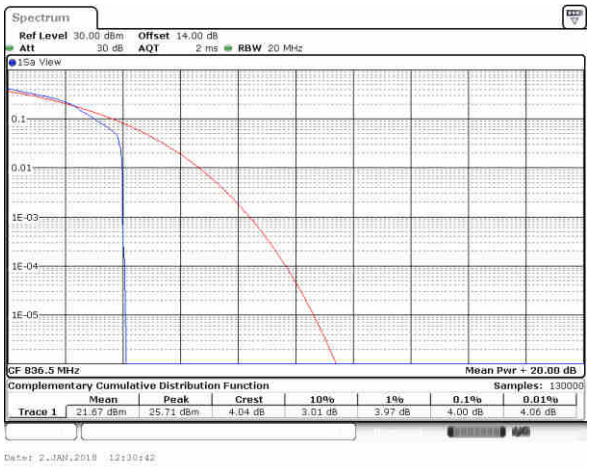
Lowest Channel / 1RB



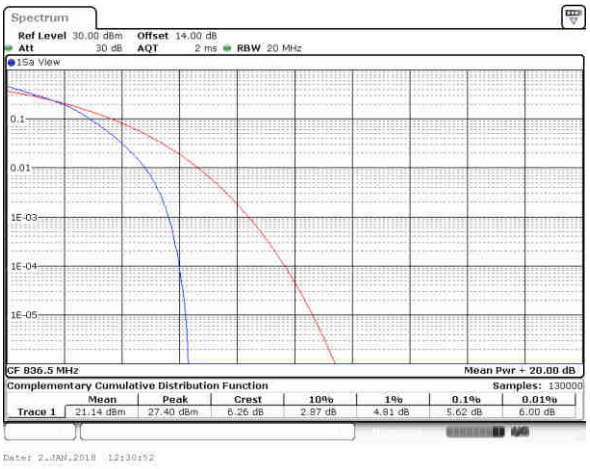
Lowest Channel / Full RB



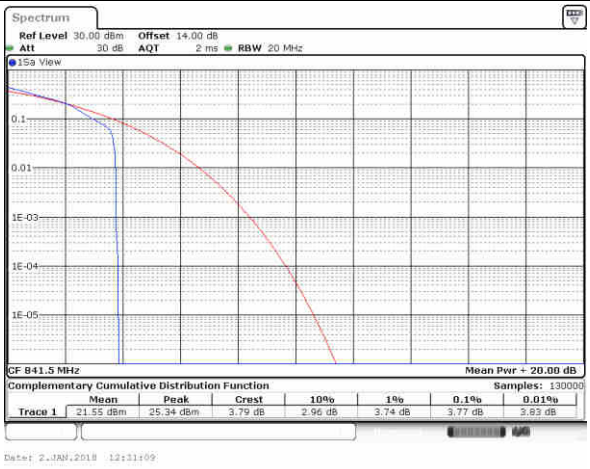
Middle Channel / 1RB



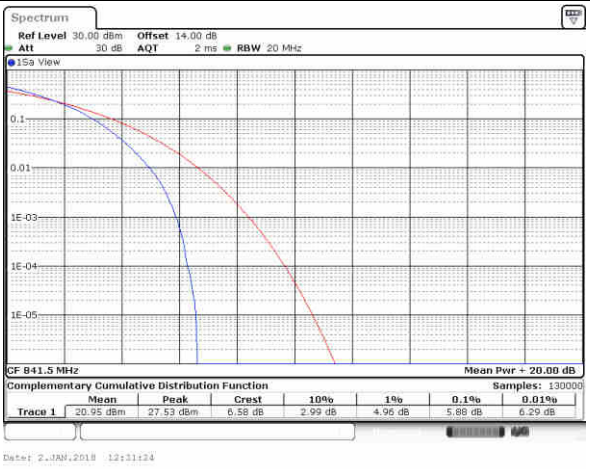
Middle Channel / Full RB



Highest Channel / 1RB

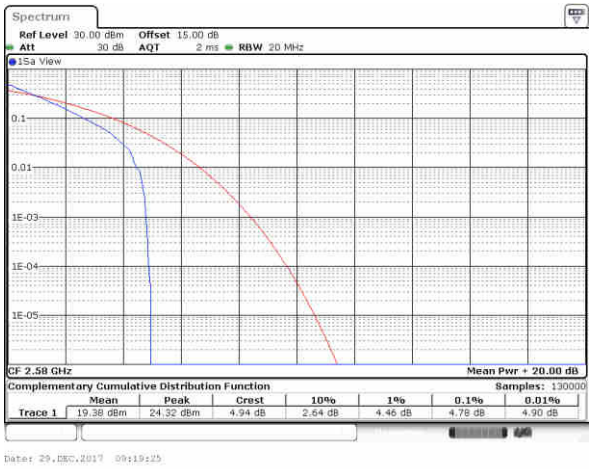


Highest Channel / Full RB

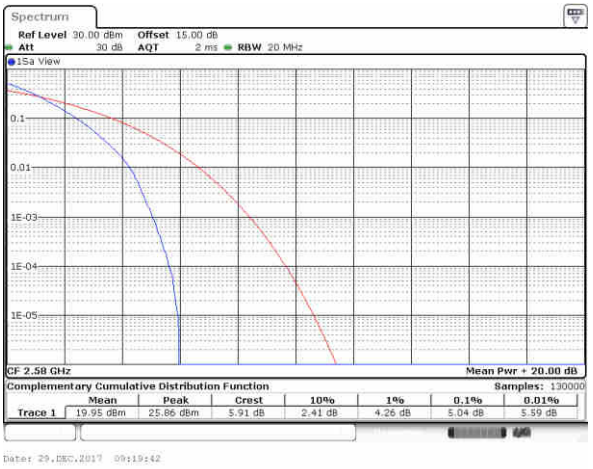


LTE Band 38 / 20MHz / QPSK

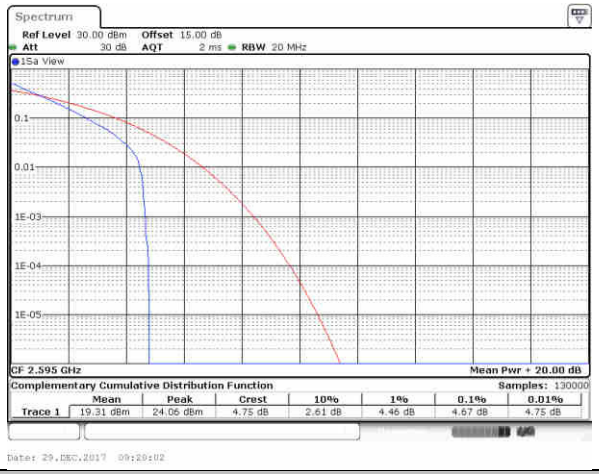
Lowest Channel / 1RB



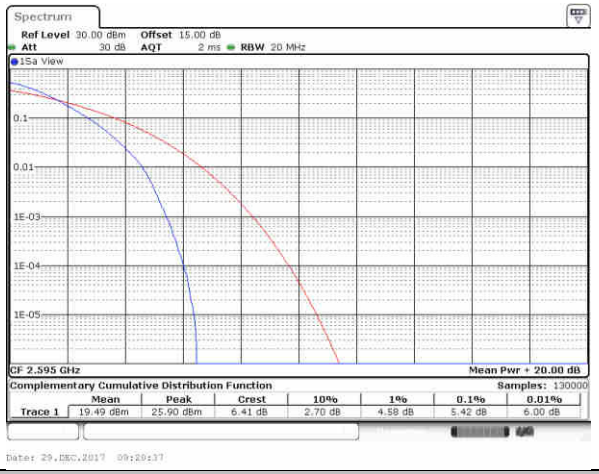
Lowest Channel / Full RB



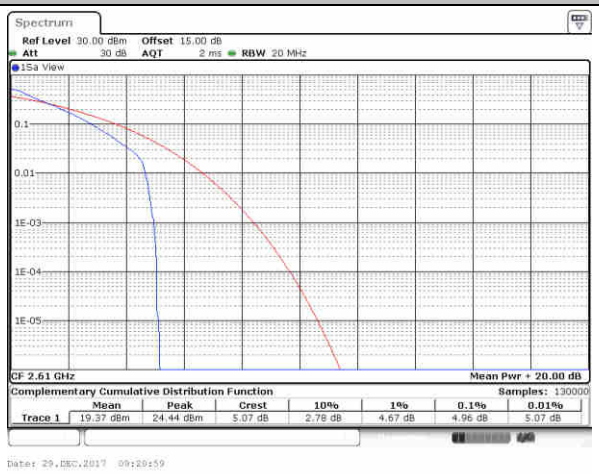
Middle Channel / 1RB



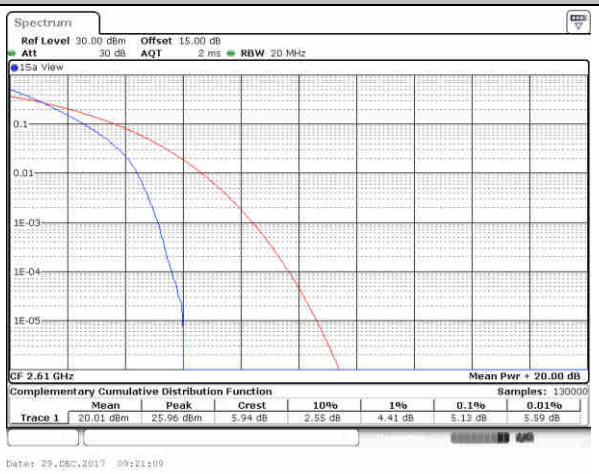
Middle Channel / Full RB



Highest Channel / 1RB

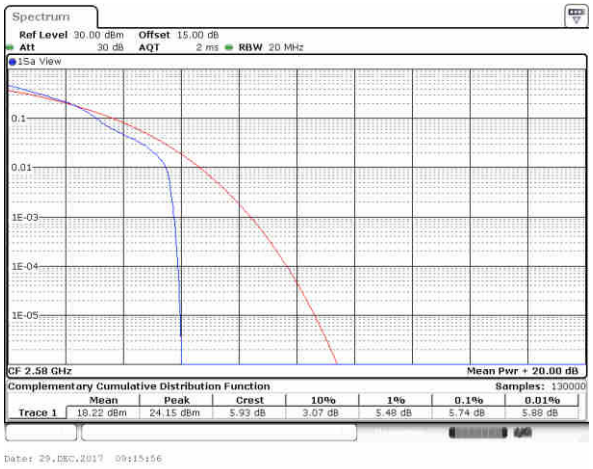


Highest Channel / Full RB

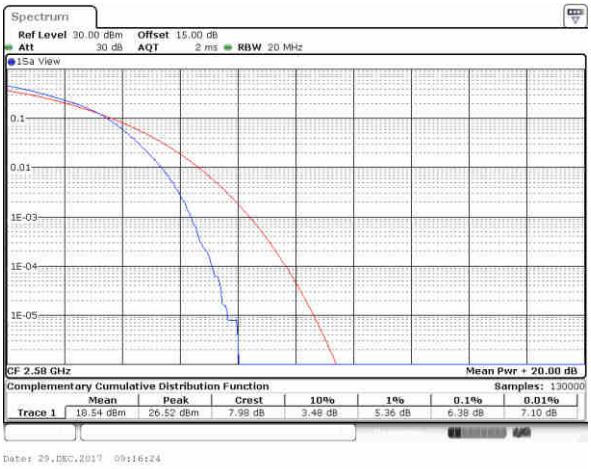


LTE Band 38 / 20MHz / 16QAM

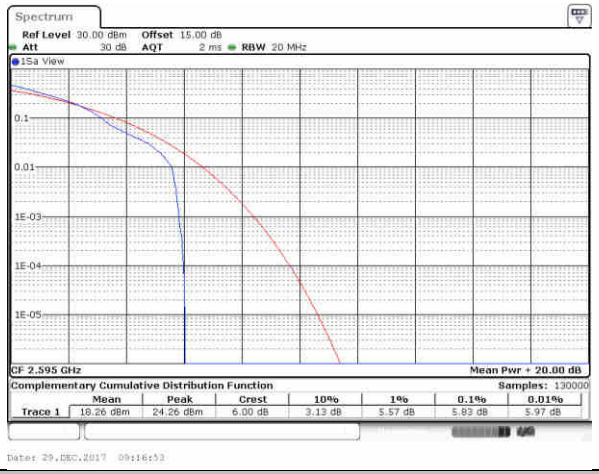
Lowest Channel / 1RB



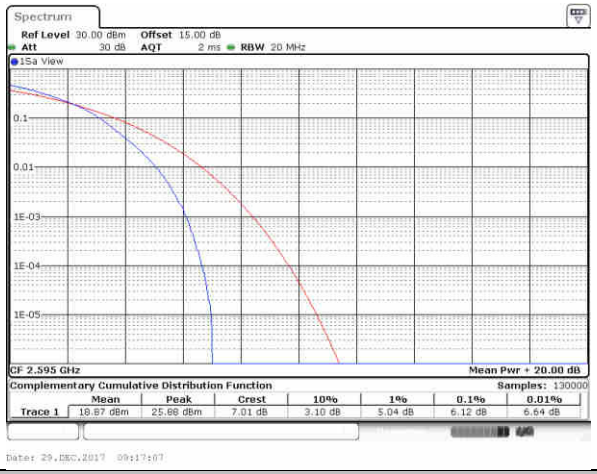
Lowest Channel / Full RB



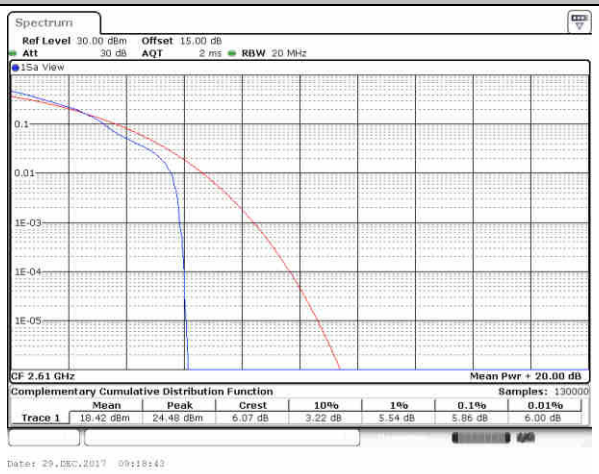
Middle Channel / 1RB



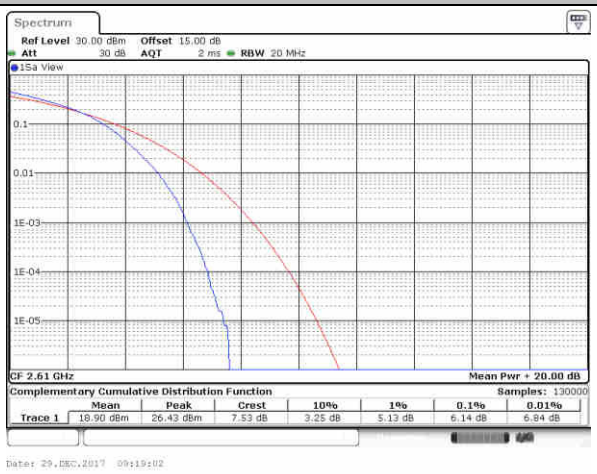
Middle Channel / Full RB



Highest Channel / 1RB

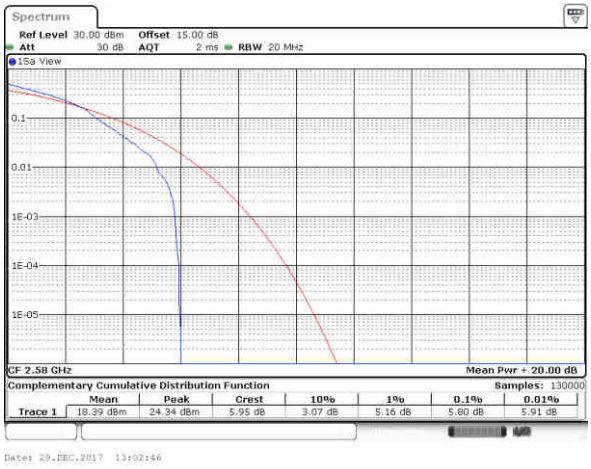


Highest Channel / Full RB

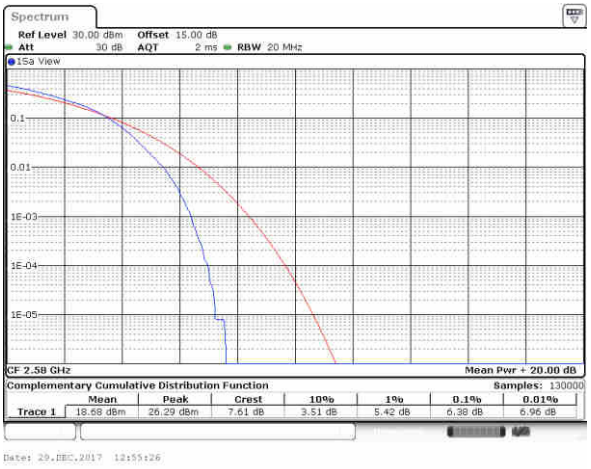


LTE Band 38 / 20MHz / 64QAM

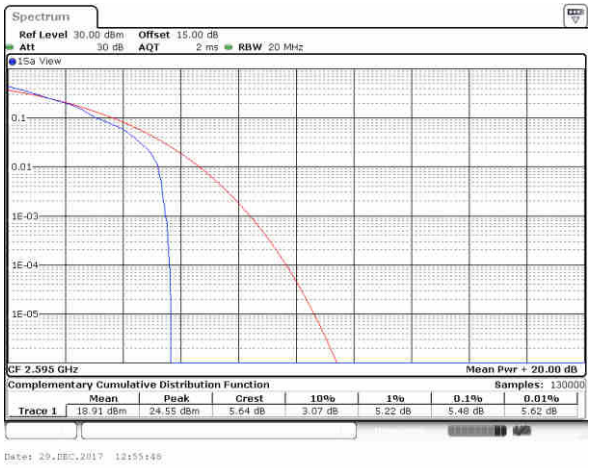
Lowest Channel / 1RB



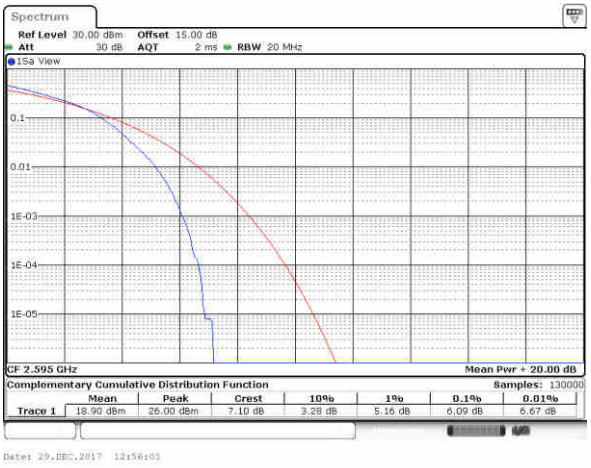
Lowest Channel / Full RB



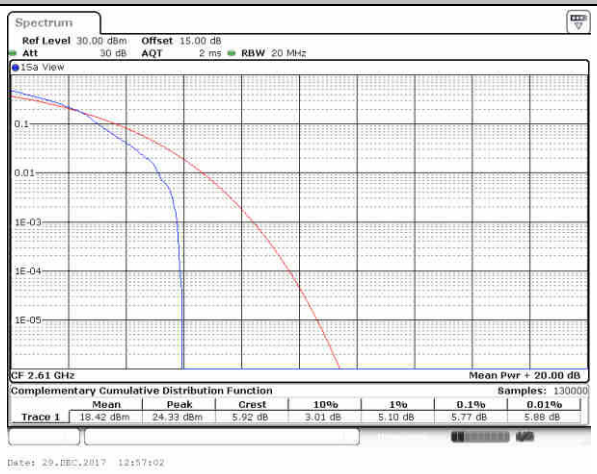
Middle Channel / 1RB



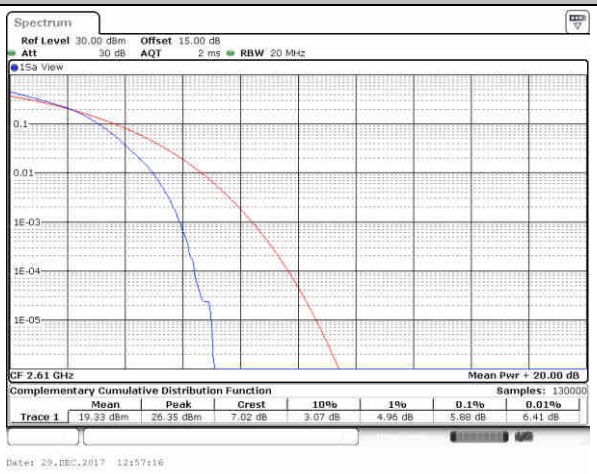
Middle Channel / Full RB



Highest Channel / 1RB

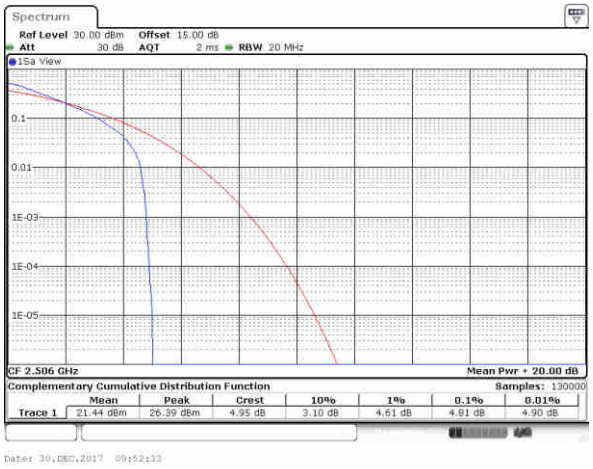


Highest Channel / Full RB

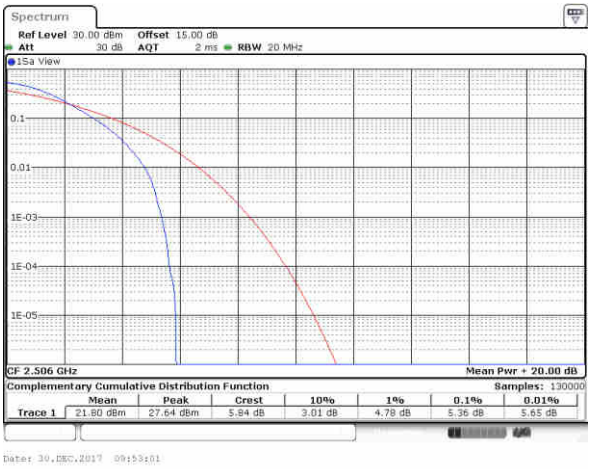


LTE Band 41 / 20MHz / QPSK

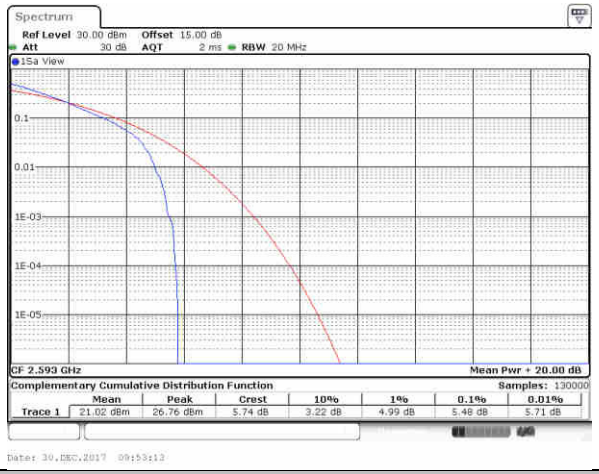
Lowest Channel / 1RB



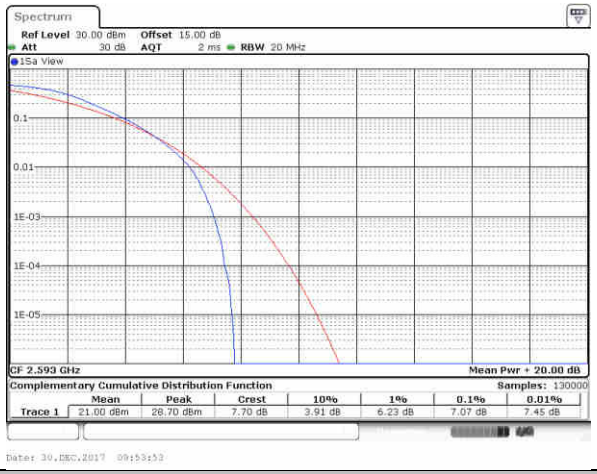
Lowest Channel / Full RB



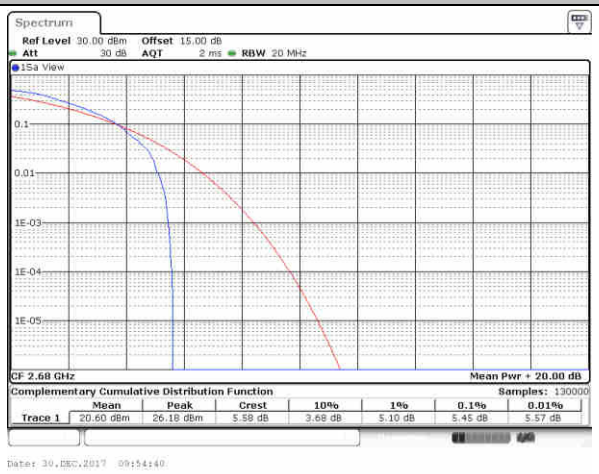
Middle Channel / 1RB



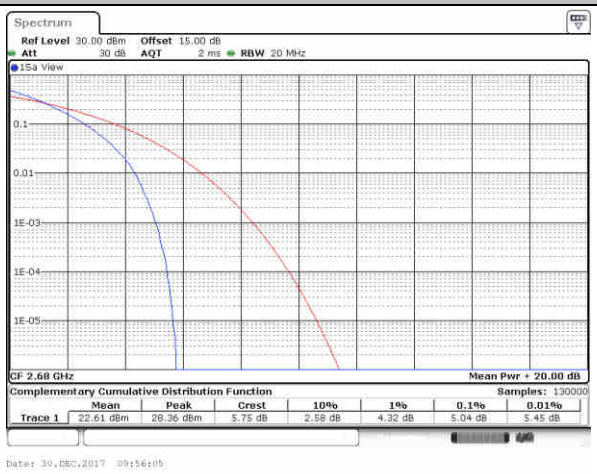
Middle Channel / Full RB



Highest Channel / 1RB

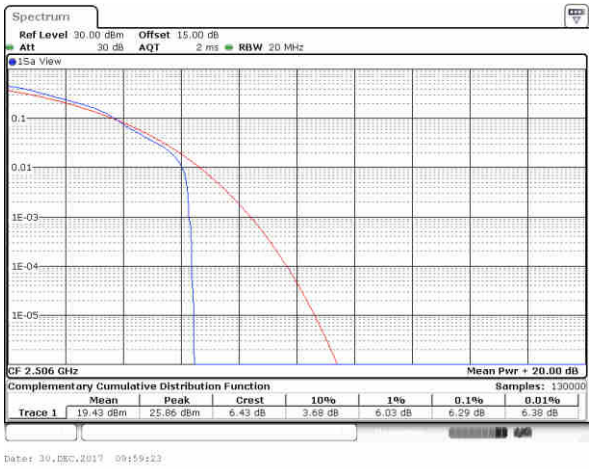


Highest Channel / Full RB

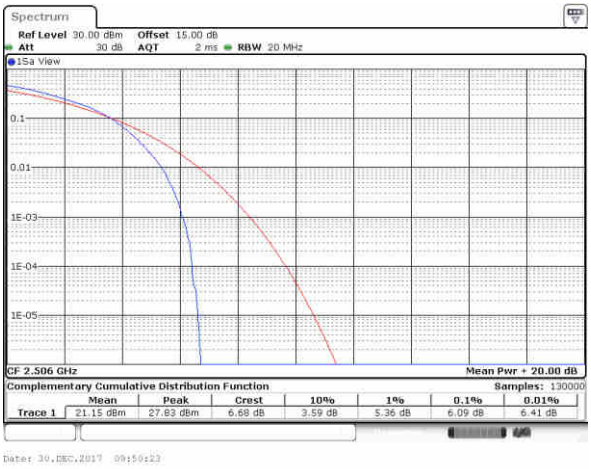


LTE Band 41 / 20MHz / 16QAM

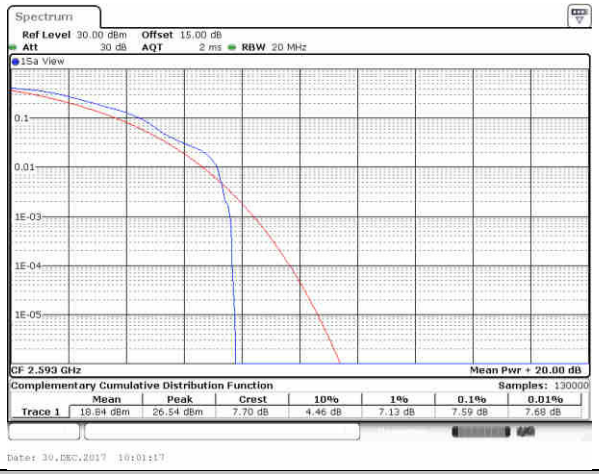
Lowest Channel / 1RB



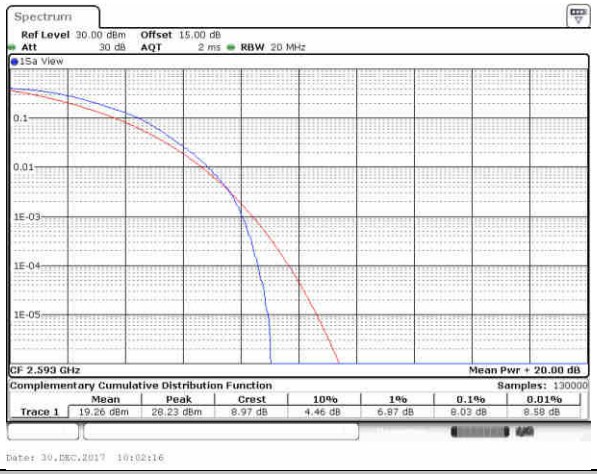
Lowest Channel / Full RB



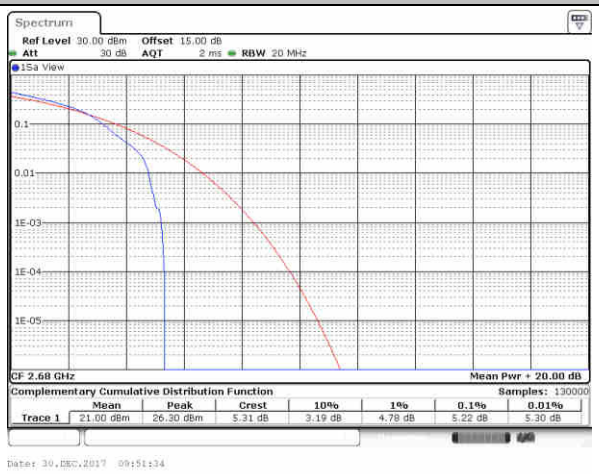
Middle Channel / 1RB



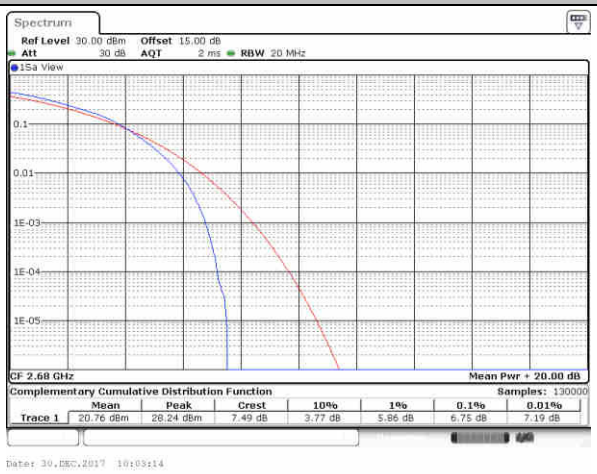
Middle Channel / Full RB



Highest Channel / 1RB

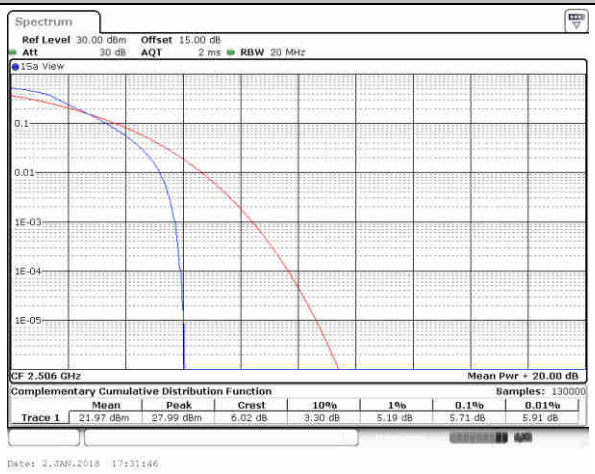


Highest Channel / Full RB

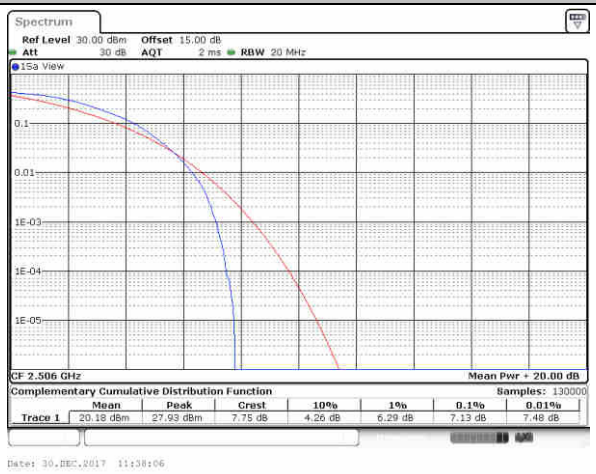


LTE Band 41 / 20MHz / 64QAM

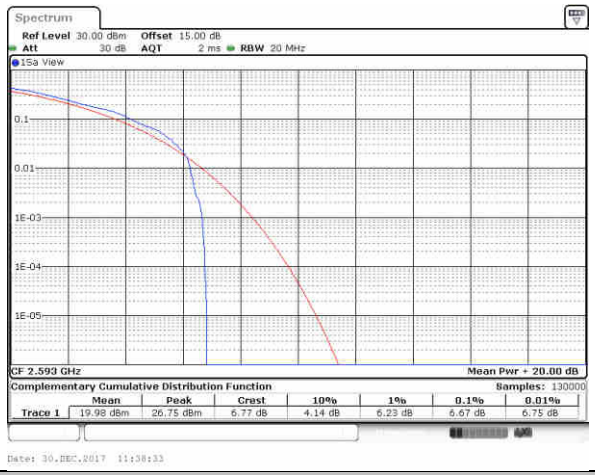
Lowest Channel / 1RB



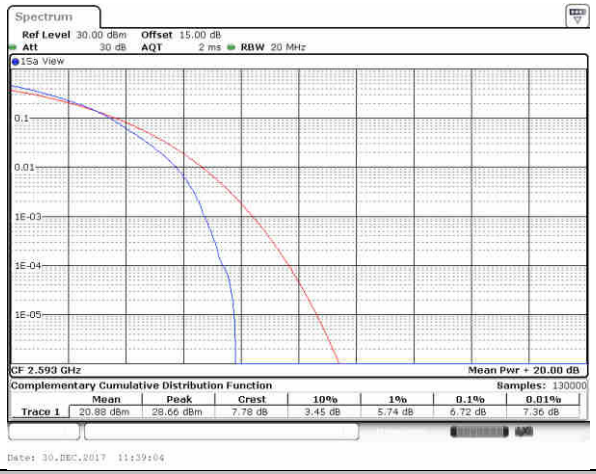
Lowest Channel / Full RB



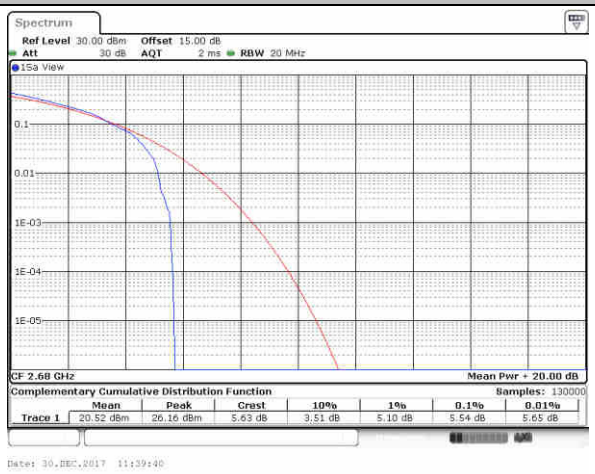
Middle Channel / 1RB



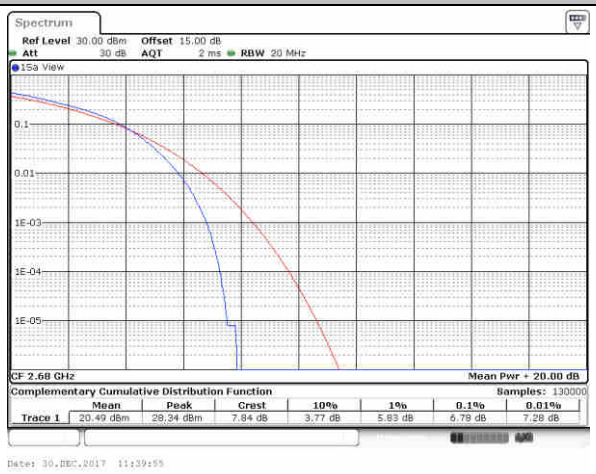
Middle Channel / Full RB



Highest Channel / 1RB

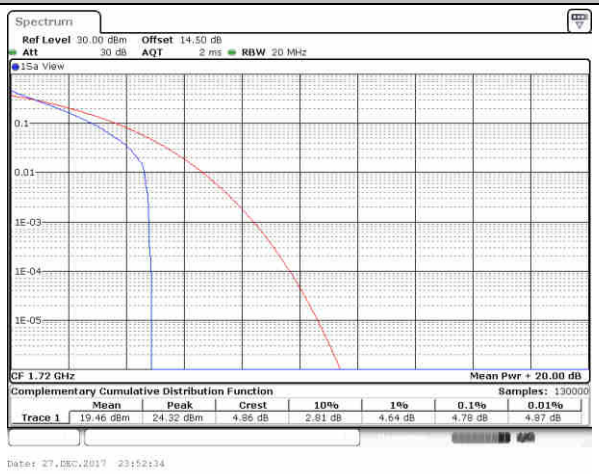


Highest Channel / Full RB

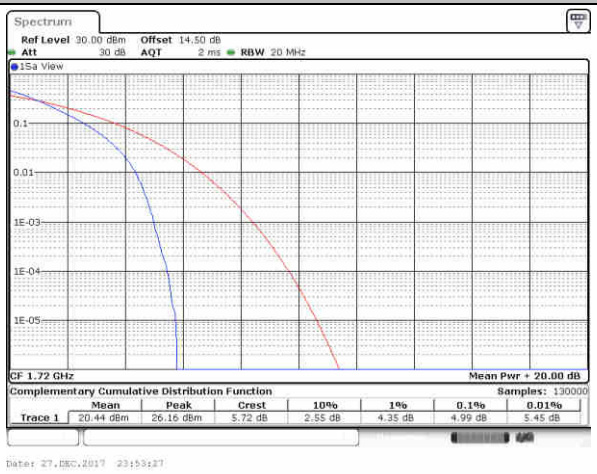


LTE Band 66 / 20MHz / QPSK

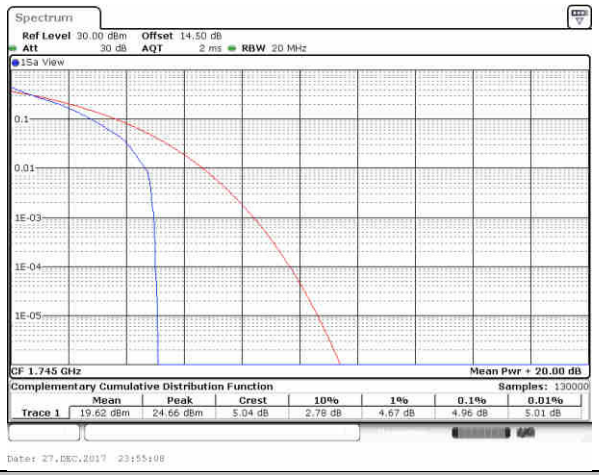
Lowest Channel / 1RB



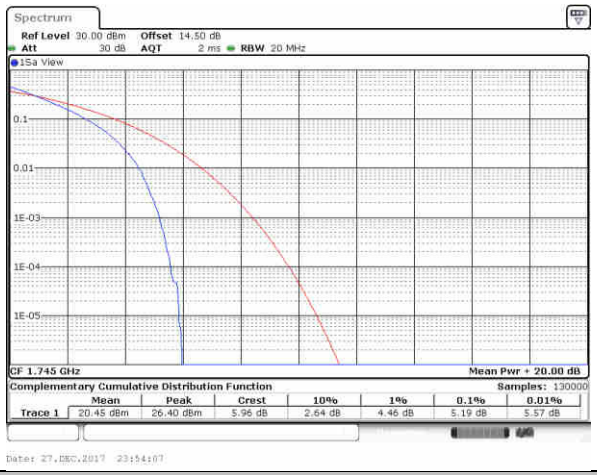
Lowest Channel / Full RB



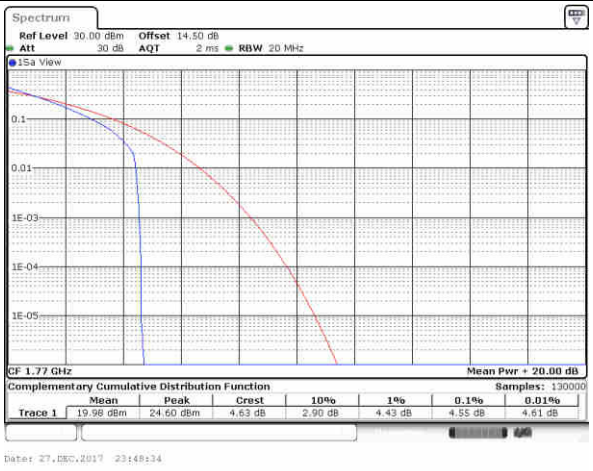
Middle Channel / 1RB



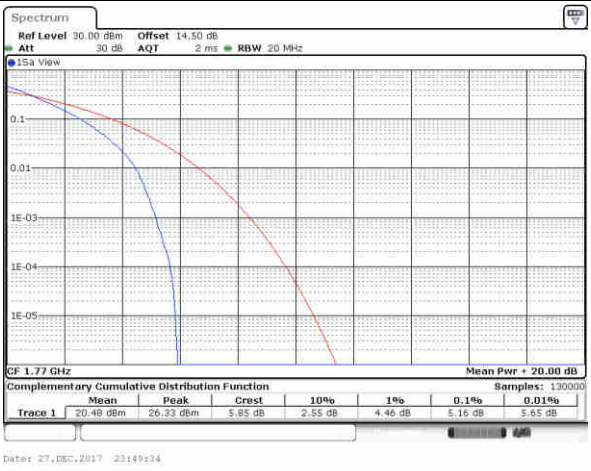
Middle Channel / Full RB



Highest Channel / 1RB

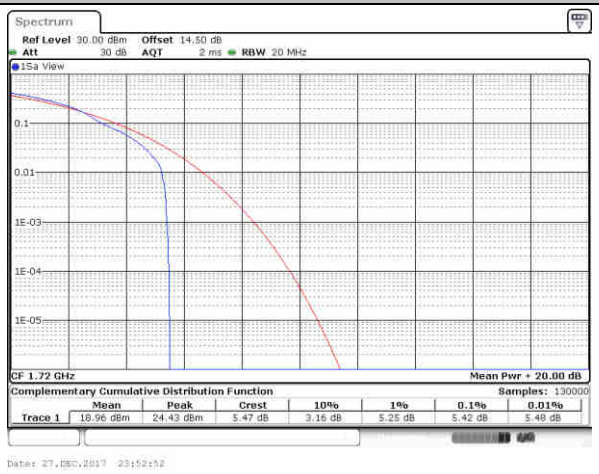


Highest Channel / Full RB

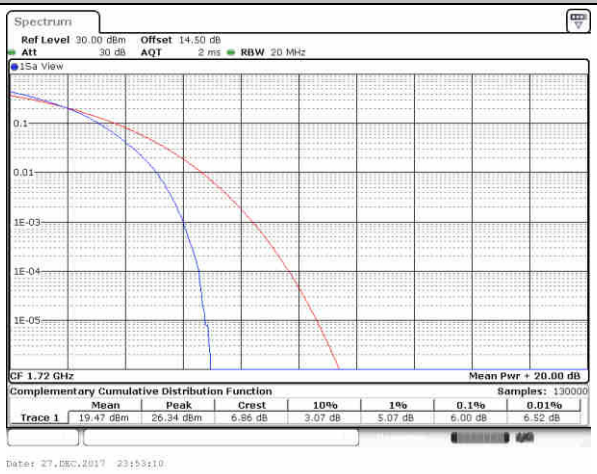


LTE Band 66 / 20MHz / 16QAM

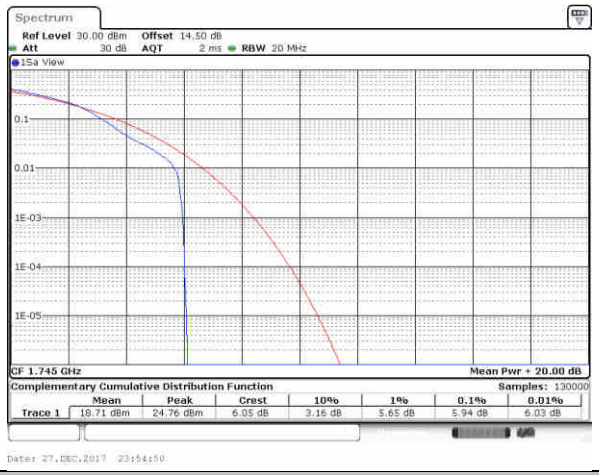
Lowest Channel / 1RB



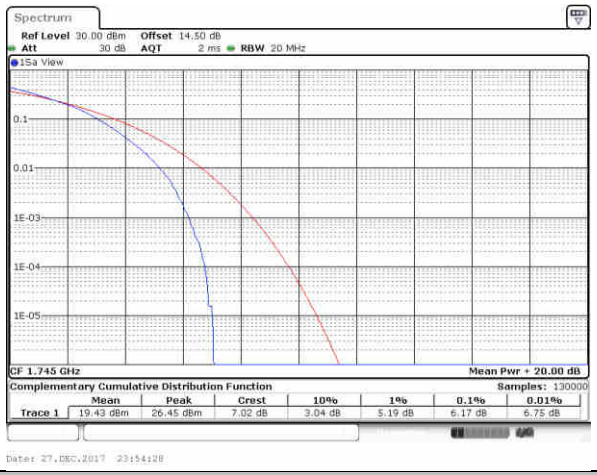
Lowest Channel / Full RB



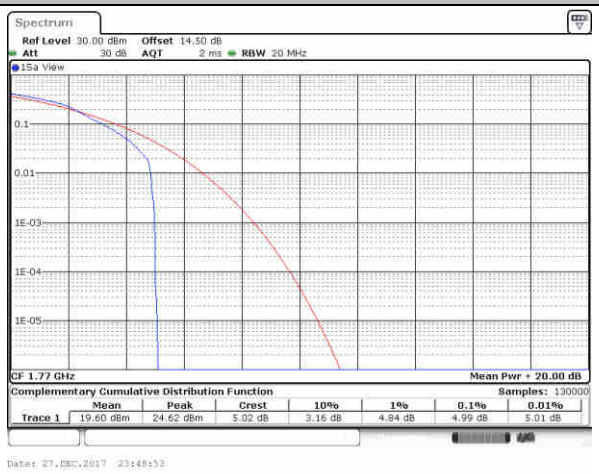
Middle Channel / 1RB



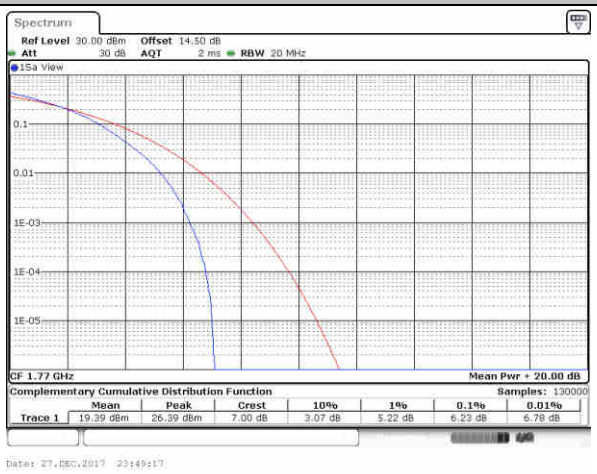
Middle Channel / Full RB



Highest Channel / 1RB

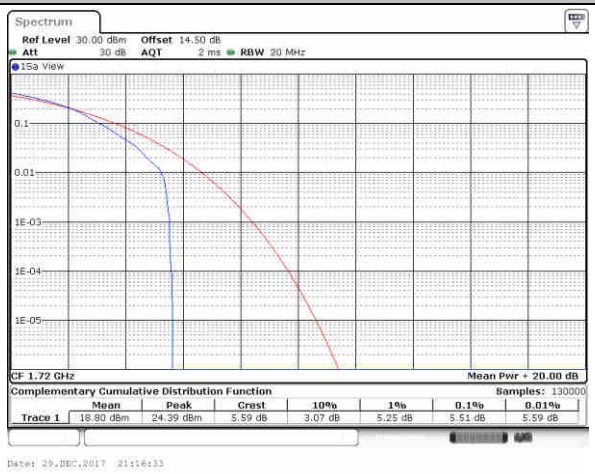


Highest Channel / Full RB

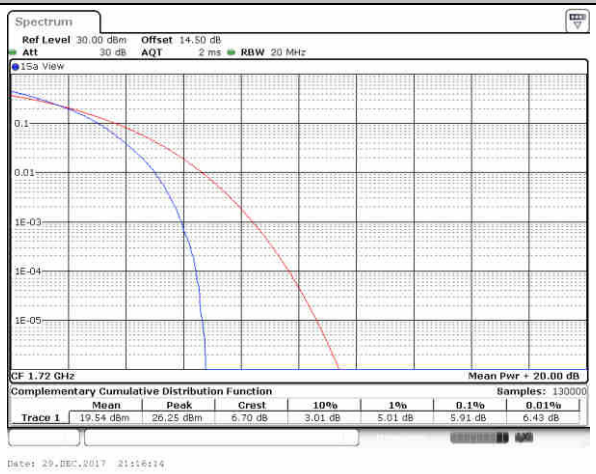


LTE Band 66 / 20MHz / 64QAM

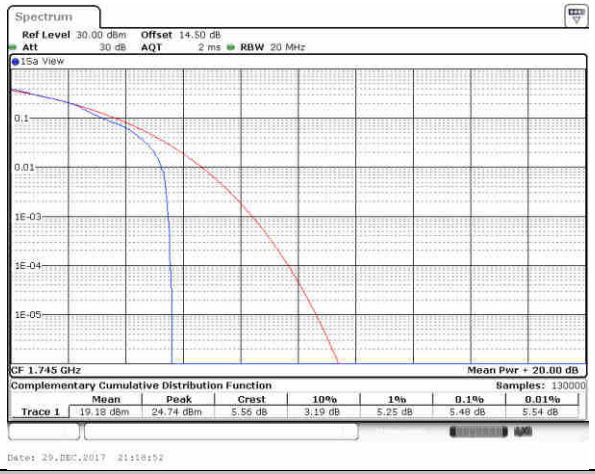
Lowest Channel / 1RB



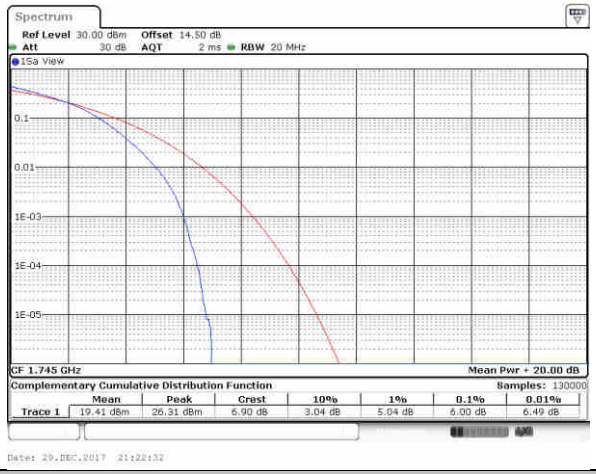
Lowest Channel / Full RB



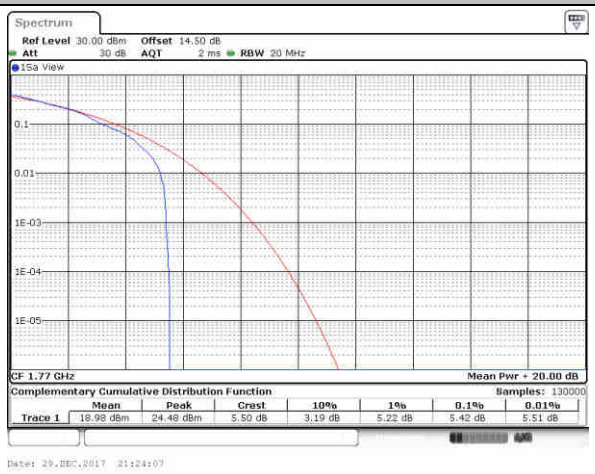
Middle Channel / 1RB



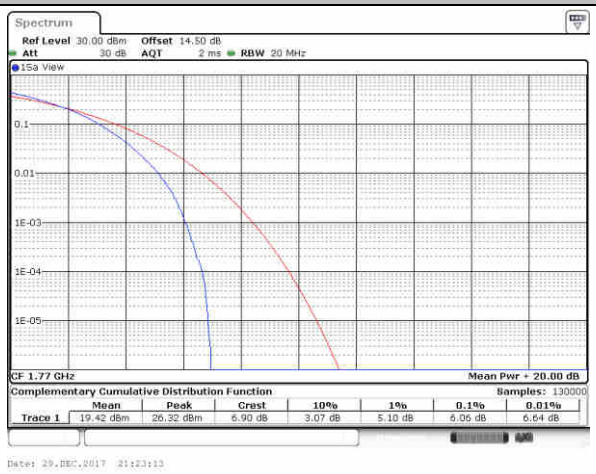
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



26dB Bandwidth

Mode	LTE Band 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	1.264	1.264	3.045	2.997	4.975	4.955	10.07	9.99	14.386	14.565	20.22	20.06
Middle CH	1.253	1.267	3.027	3.045	4.965	4.955	9.87	9.83	14.416	14.326	20.22	20.18
Highest CH	1.256	1.287	3.003	3.015	4.995	4.945	9.81	9.67	14.446	14.356	20.22	20.22
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.262	2.991	4.925	9.63	14.296	20.18						
Middle CH	1.287	2.979	4.935	9.93	14.416	20.38						
Highest CH	1.301	2.997	4.825	9.73	14.266	20.18						

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	1.25	1.267	2.943	2.997	4.925	4.955	9.77	9.71	14.565	14.296	20.18	20.14
Middle CH	1.287	1.281	2.991	2.997	4.905	4.945	9.75	9.81	14.416	14.416	20.3	20.1
Highest CH	1.295	1.267	3.039	3.045	4.925	4.935	9.79	9.63	14.266	14.416	20.14	20.06
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.278	2.997	4.925	9.75	14.206	20.14						
Middle CH	1.273	2.997	4.945	9.73	14.476	20.26						
Highest CH	1.278	3.063	4.935	10.05	14.386	20.14						

Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.267	1.262	3.009	3.003	4.905	4.835	9.97	9.71	-	-	-	-
Middle CH	1.264	1.281	2.961	2.985	4.925	4.945	9.69	9.77	-	-	-	-
Highest CH	1.259	1.284	2.991	3.027	5.015	4.915	9.93	9.85	-	-	-	-
BW	1.4MHz	3MHz	5MHz	10MHz								
Mod.	64QAM	64QAM	64QAM	64QAM								
Lowest CH	1.304	3.021	4.925	9.69								
Middle CH	1.270	3.003	4.855	9.89								
Highest CH	1.262	3.009	4.955	9.83								

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	-	-	-	-	4.895	5.005	9.65	9.65	14.505	14.266	20.34	20.22
Middle CH	-	-	-	-	4.955	4.925	9.81	9.83	14.386	14.296	20.38	20.18
Highest CH	-	-	-	-	4.865	4.875	9.75	9.95	14.386	14.176	20.3	20.3
BW	5MHz	10MHz	15MHz	20MHz								
Mod.	64QAM	64QAM	64QAM	64QAM								
Lowest CH	4.885	10.01	14.326	20.3								
Middle CH	4.935	9.77	14.296	20.18								
Highest CH	4.915	9.85	14.146	20.26								

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	1.276	1.267	3.033	3.009	4.965	4.915	9.73	9.75	-	-	-	-
Middle CH	1.253	1.256	2.997	2.979	4.985	4.925	9.81	9.73	-	-	-	-
Highest CH	1.25	1.27	2.997	3.027	4.985	4.915	9.97	9.79	-	-	-	-
BW	1.4MHz	3MHz	5MHz	10MHz								
Mod.	64QAM	64QAM	64QAM	64QAM								
Lowest CH	1.267	3.009	4.925	9.83								
Middle CH	1.278	3.057	4.835	9.83								
Highest CH	1.281	3.009	4.905	10.05								

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	-	-	-	-	4.915	4.875	-	-	-	-	-	-
Middle CH	-	-	-	-	5.025	4.885	9.81	9.91	-	-	-	-
Highest CH	-	-	-	-	4.935	4.925	-	-	-	-	-	-
BW	5MHz	10MHz										
Mod.	64QAM	64QAM										
Lowest CH	4.865	-										
Middle CH	4.935	9.75										
Highest CH	4.925	-										

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.975	4.915	9.79	9.81	4.855	9.85						
Middle CH	4.895	4.925	9.85	9.79	4.875	9.91						
Highest CH	4.975	4.895	9.83	9.91	4.885	9.67						

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	1.301	1.295	2.979	3.051	4.905	4.925	9.81	10.01	14.535	14.535	20.18	20.14
Middle CH	1.276	1.281	3.015	3.039	4.935	4.975	9.71	9.65	14.416	14.236	20.46	20.14
Highest CH	1.306	1.287	3.009	3.009	5.055	4.925	9.75	9.87	14.535	14.535	20.14	20.1
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.287	3.009	4.835	9.81	14.386	20.02						
Middle CH	1.276	2.985	4.885	9.81	14.535	20.34						
Highest CH	1.273	3.021	4.975	9.87	14.625	20.06						

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	1.267	1.256	3.021	3.015	4.895	4.805	9.85	9.85	14.356	14.356	-	-
Middle CH	1.278	1.264	3.027	3.003	4.915	4.935	9.99	9.73	14.446	14.416	-	-
Highest CH	1.304	1.29	2.991	3.009	4.995	4.735	9.73	9.71	14.505	14.356	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.267	2.991	4.825	9.85	14.386	-						
Middle CH	1.264	2.985	4.925	10.01	14.296	-						
Highest CH	1.290	2.997	4.945	9.89	14.505	-						

Mode	LTE Band 38 : 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	-	-	-	-	4.955	4.845	9.75	9.81	14.176	14.146	20.18	20.26
Middle CH	-	-	-	-	5.345	4.765	9.69	9.67	14.326	14.565	20.1	20.1
Highest CH	-	-	-	-	4.955	4.805	9.75	9.81	14.236	14.356	20.18	20.06
BW	5MHz	10MHz	15MHz	20MHz								
Mod.	64QAM	64QAM	64QAM	64QAM								
Lowest CH	4.945	9.63	14.236	20.14								
Middle CH	4.895	9.63	14.356	19.98								
Highest CH	4.875	9.77	14.505	20.14								

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	-	-	-	-	4.915	4.935	9.73	9.67	14.116	14.775	20.14	20.14
Middle CH	-	-	-	-	4.885	4.795	9.77	9.61	14.236	14.236	20.18	20.14
Highest CH	-	-	-	-	5.395	4.825	9.77	9.69	14.685	14.446	20.14	20.42
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH			4.875	9.99	14.146	20.26						
Middle CH			4.805	9.73	14.326	20.14						
Highest CH			4.925	9.63	14.206	20.30						

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	1.281	1.298	2.997	2.985	4.955	4.975	9.67	9.83	14.176	14.535	20.18	20.06
Middle CH	1.278	1.312	3.003	3.009	4.895	4.915	9.77	9.79	14.476	14.535	20.26	20.18
Highest CH	1.301	1.29	3.033	2.967	4.865	4.935	9.67	9.75	14.236	14.505	20.14	20.14
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.27	3.027	4.935	9.79	14.266	20.18						
Middle CH	1.276	3.039	4.995	9.75	14.356	20.26						
Highest CH	1.262	2.991	4.895	9.71	14.326	20.14						

Band 41 CA

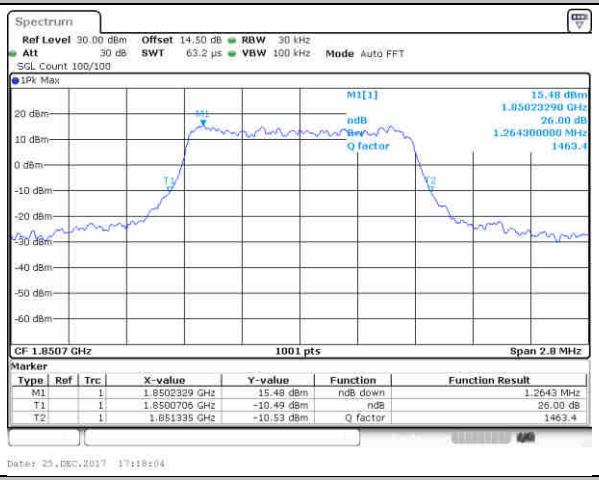
Mode	LTE Band 41 : 26dB BW(MHz)								
BW	5MHz+20MHz			10MHz+20MHz			15MHz+15MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	24.875	24.875	24.925	29.79	29.73	29.73	30.509	30.509	30.450
Middle CH	24.825	24.875	24.825	29.91	29.73	29.85	30.569	30.629	30.390
Highest CH	24.925	24.775	24.725	29.85	29.73	29.61	30.629	30.450	30.270

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	34.685	34.615	25.125	25.275	25.125	29.97	30.03	29.79
Middle CH	34.755	34.476	34.825	25.125	25.125	25.075	30.03	29.85	29.97
Highest CH	34.755	34.615	34.685	25.175	25.075	24.925	29.97	29.97	29.97

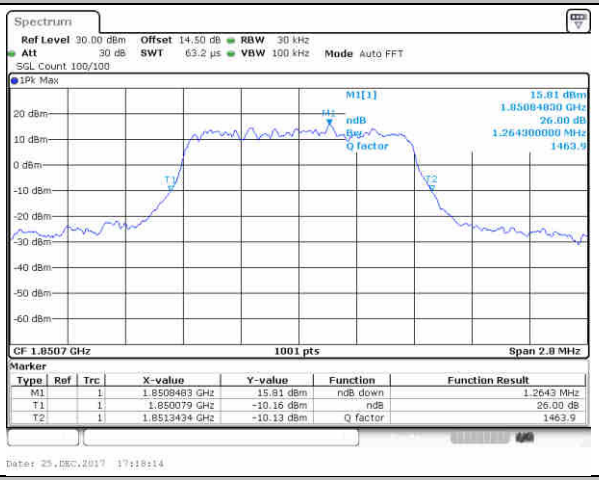
Mode	LTE Band 41 : 26dB BW(MHz)					
BW	20MHz+15MHz			20MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	34.895	34.895	34.755	39.72	39.56	39.64
Middle CH	34.965	34.825	34.755	39.72	39.72	39.72
Highest CH	35.175	34.755	34.685	39.64	39.64	39.64

LTE Band 2

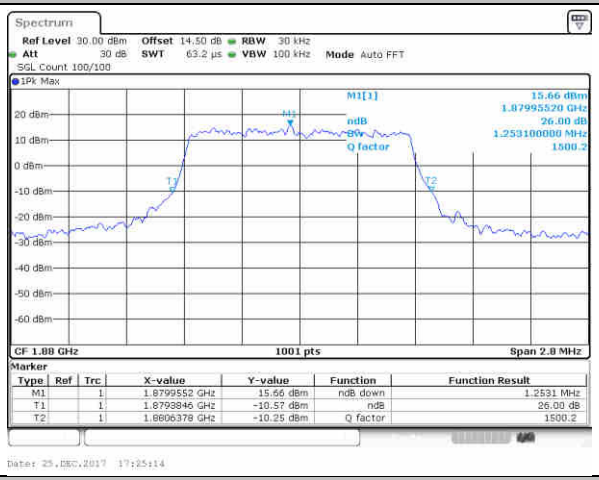
Lowest Channel / 1.4MHz / QPSK



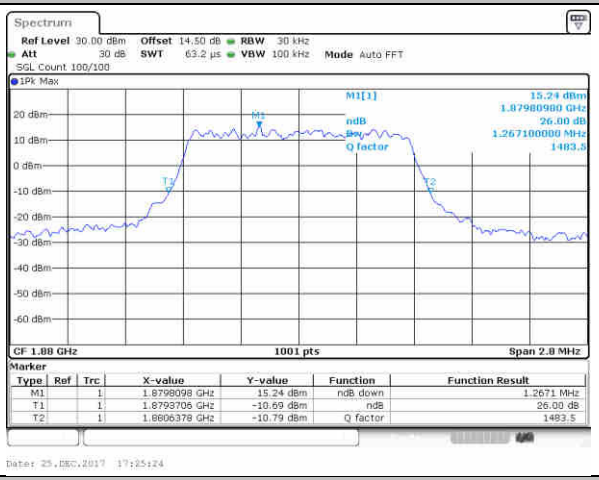
Lowest Channel / 1.4MHz / 16QAM



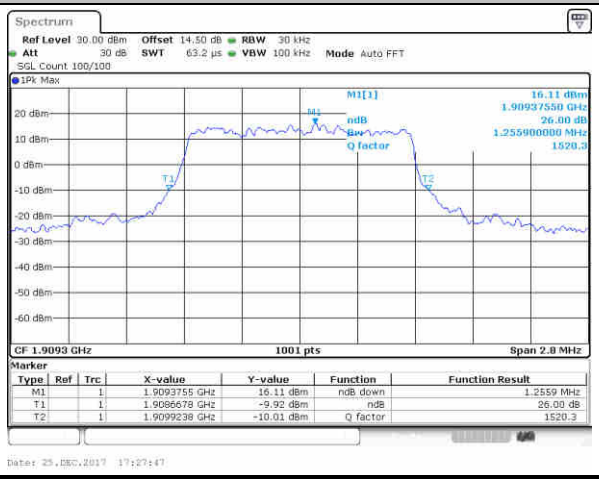
Middle Channel / 1.4MHz / QPSK



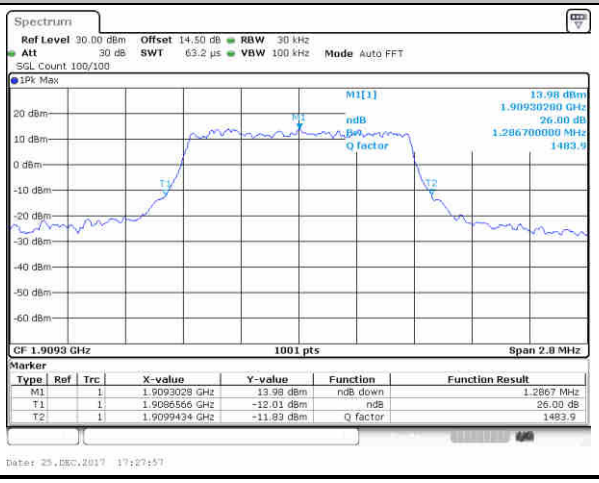
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

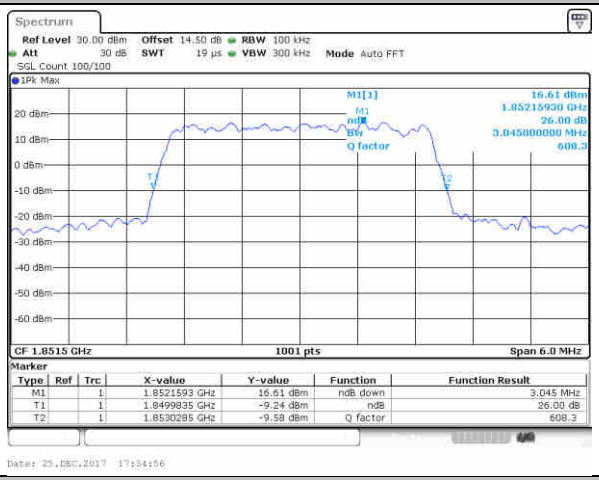


Highest Channel / 1.4MHz / 16QAM

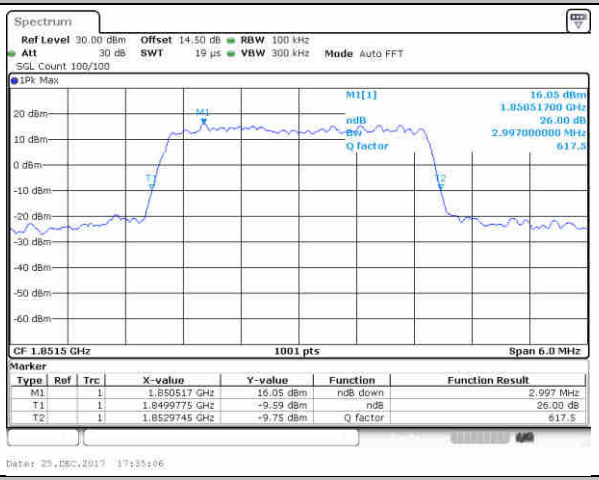


LTE Band 2

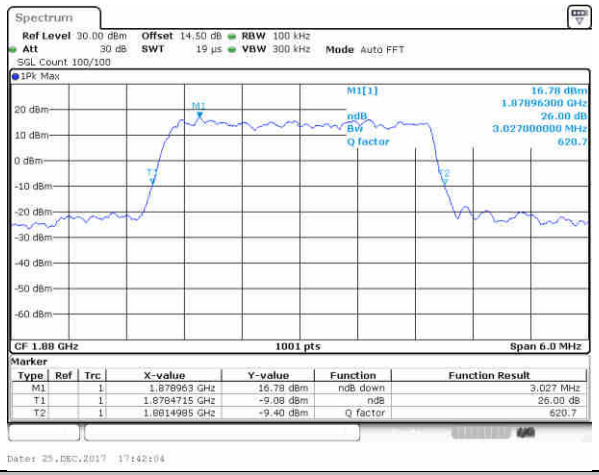
Lowest Channel / 3MHz / QPSK



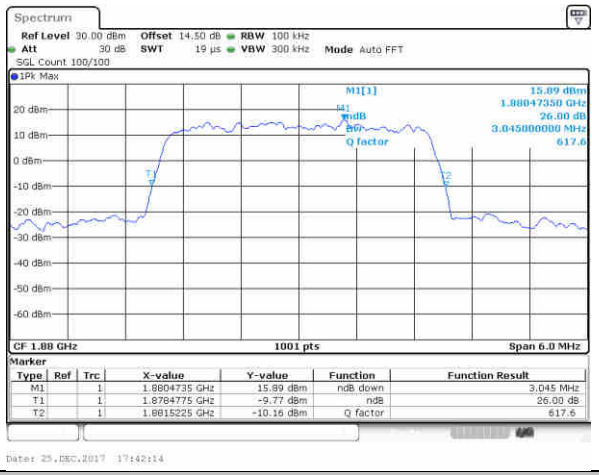
Lowest Channel / 3MHz / 16QAM



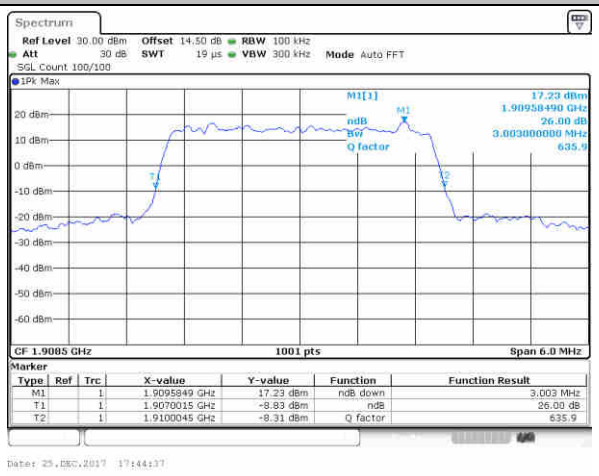
Middle Channel / 3MHz / QPSK



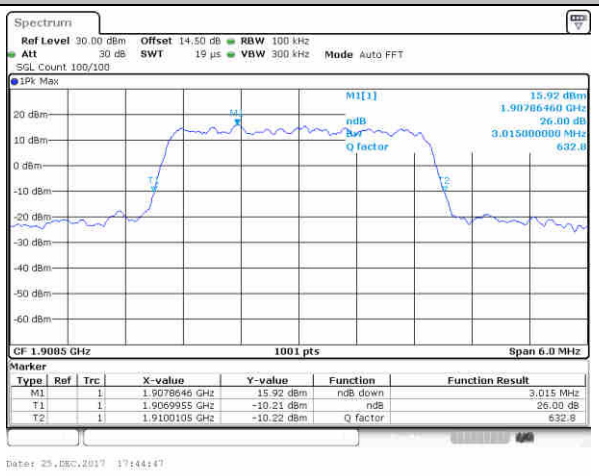
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

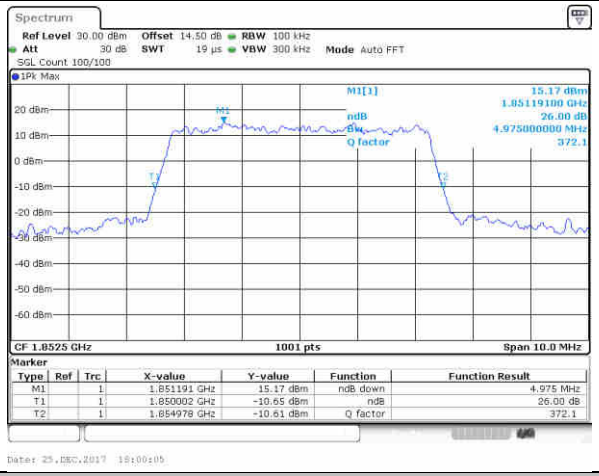


Highest Channel /3MHz / 16QAM

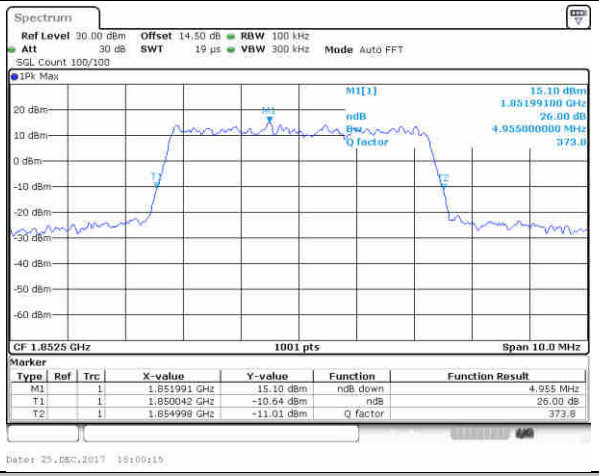


LTE Band 2

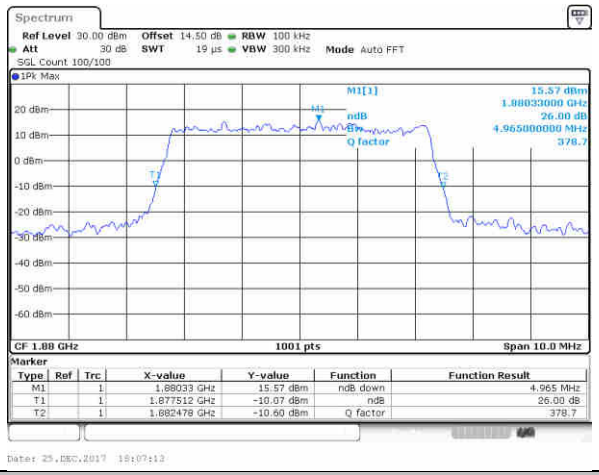
Lowest Channel / 5MHz / QPSK



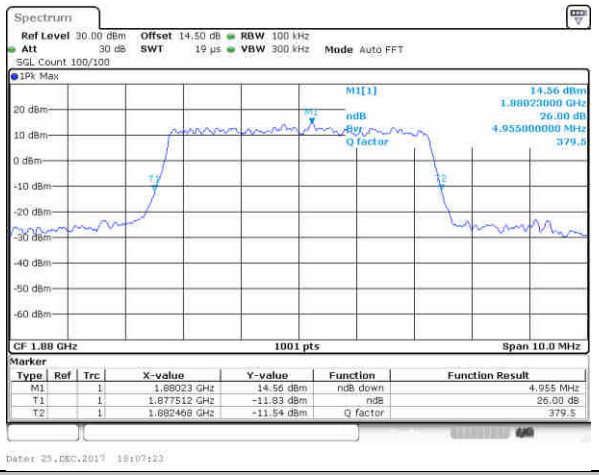
Lowest Channel / 5MHz / 16QAM



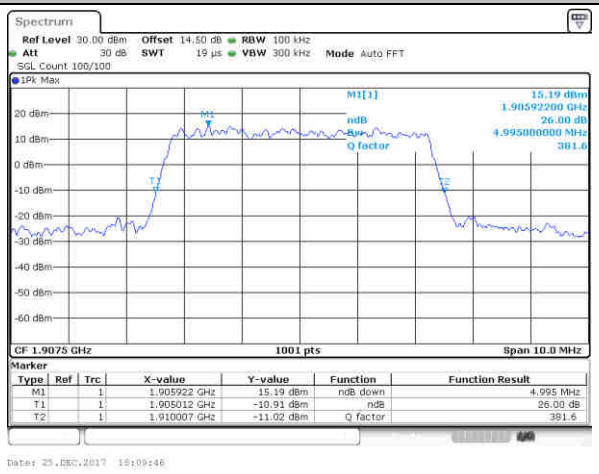
Middle Channel / 5MHz / QPSK



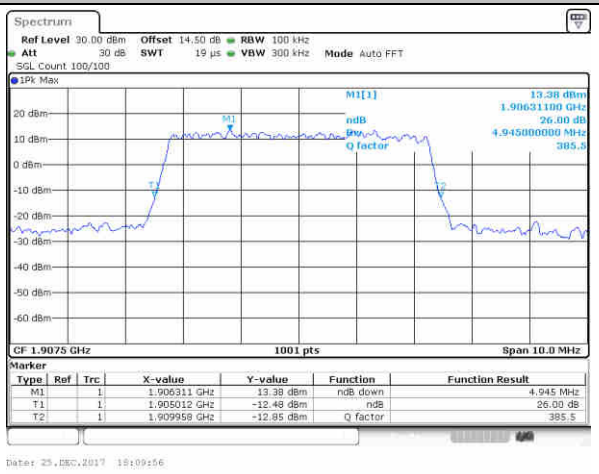
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

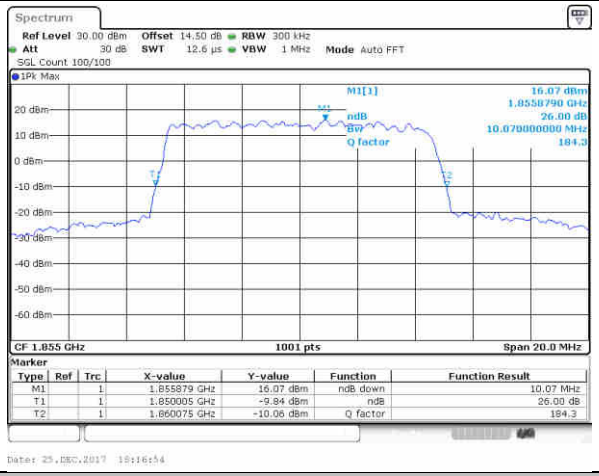


Highest Channel / 5MHz / 16QAM

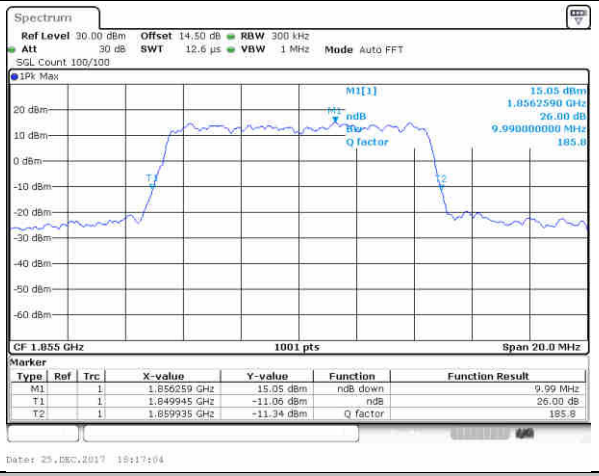


LTE Band 2

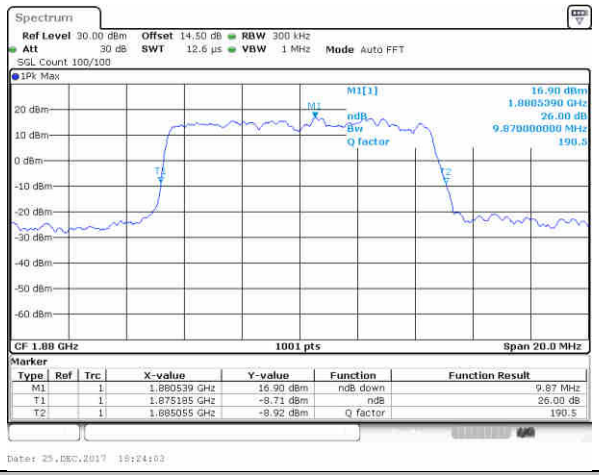
Lowest Channel / 10MHz / QPSK



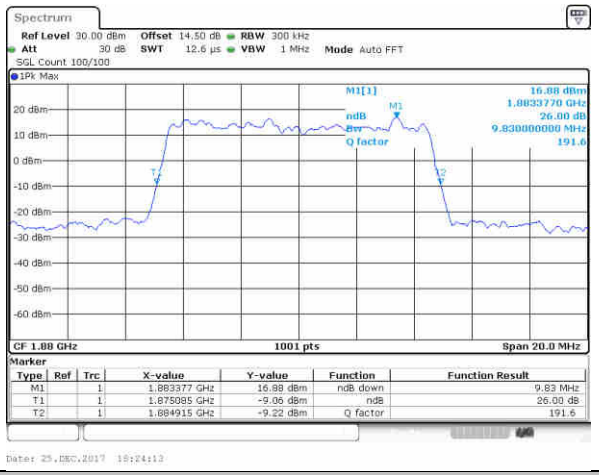
Lowest Channel / 10MHz / 16QAM



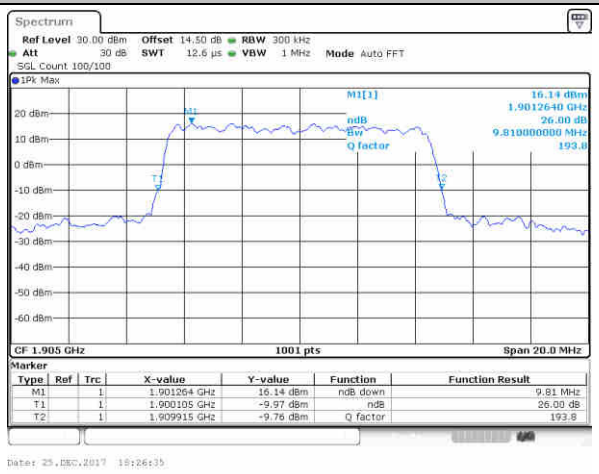
Middle Channel / 10MHz / QPSK



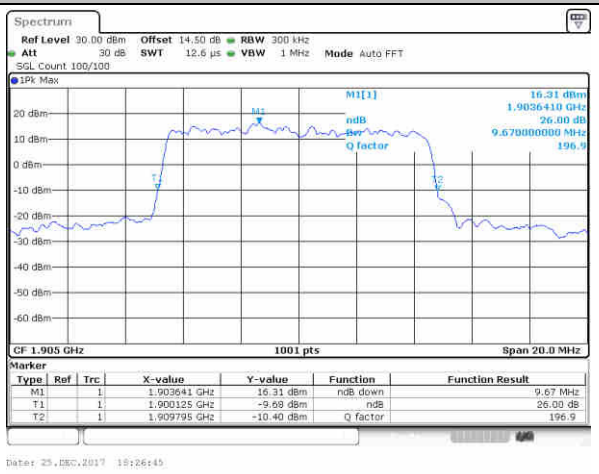
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

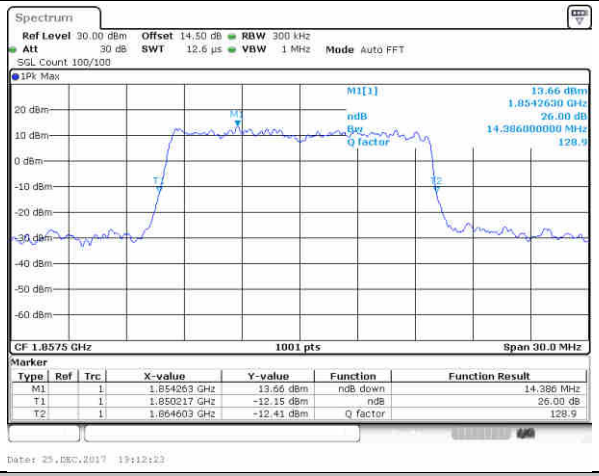


Highest Channel / 10MHz / 16QAM

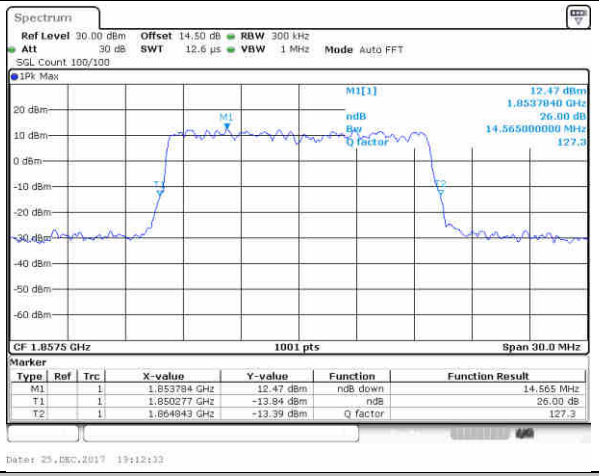


LTE Band 2

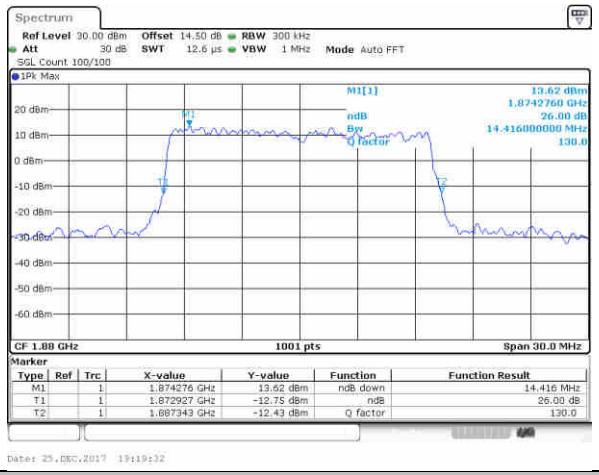
Lowest Channel / 15MHz / QPSK



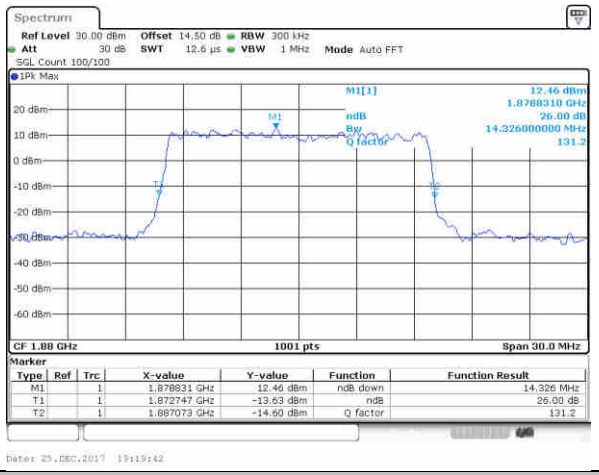
Lowest Channel / 15MHz / 16QAM



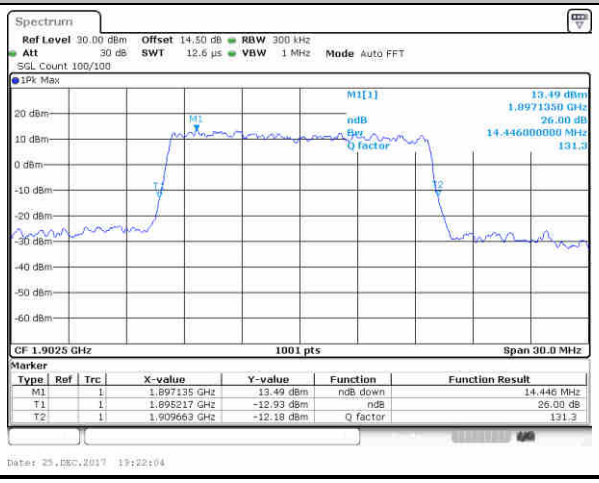
Middle Channel / 15MHz / QPSK



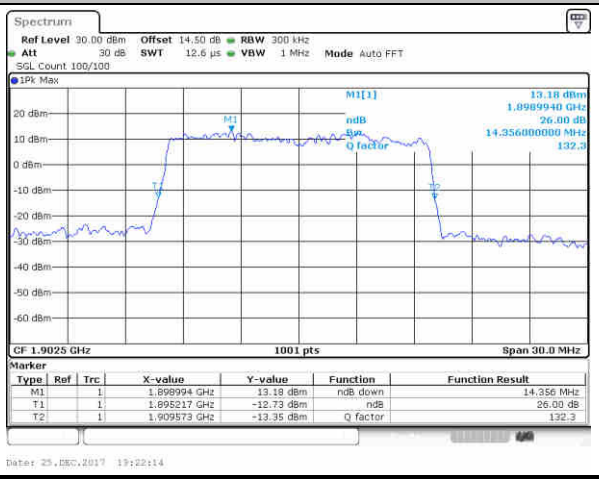
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

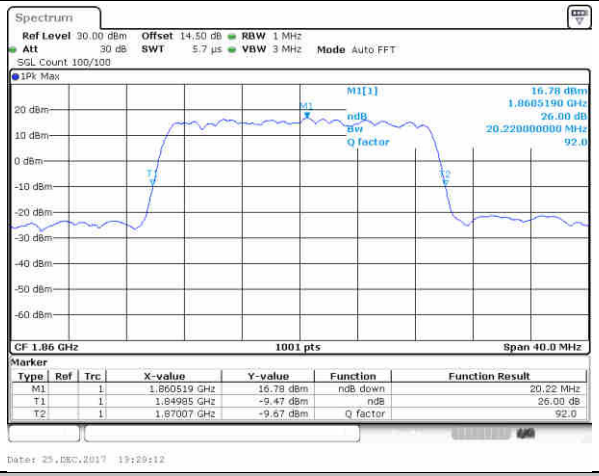


Highest Channel / 15MHz / 16QAM

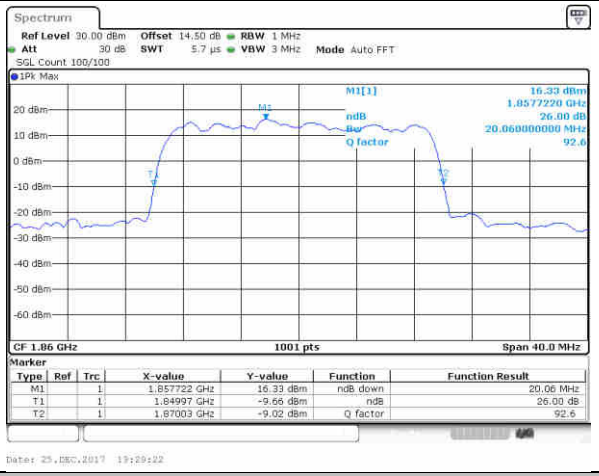


LTE Band 2

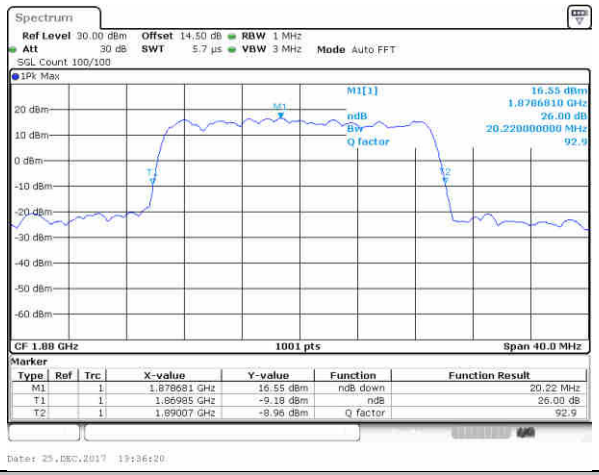
Lowest Channel / 20MHz / QPSK



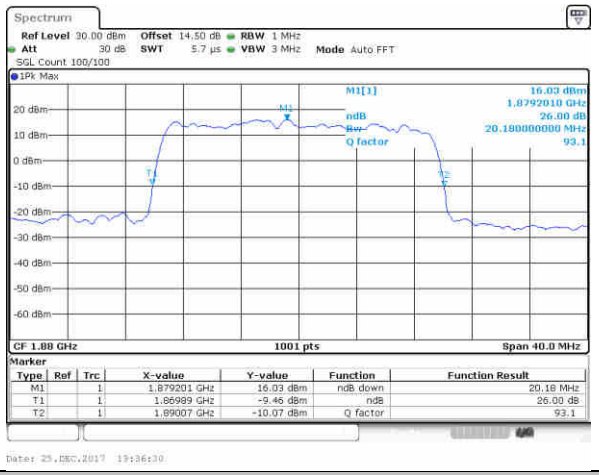
Lowest Channel / 20MHz / 16QAM



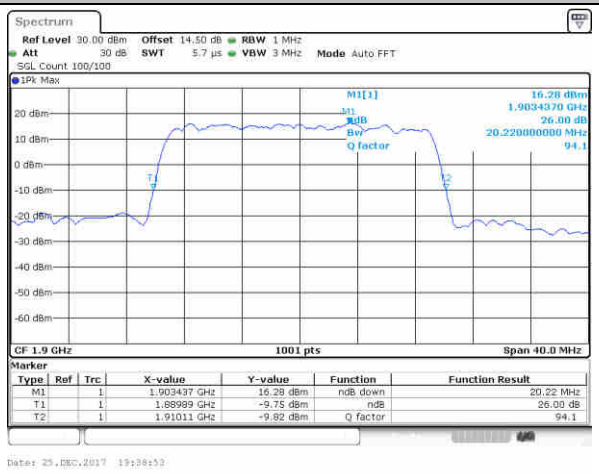
Middle Channel / 20MHz / QPSK



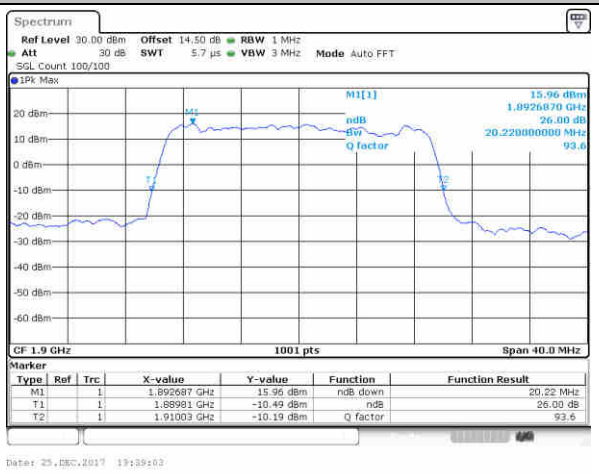
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

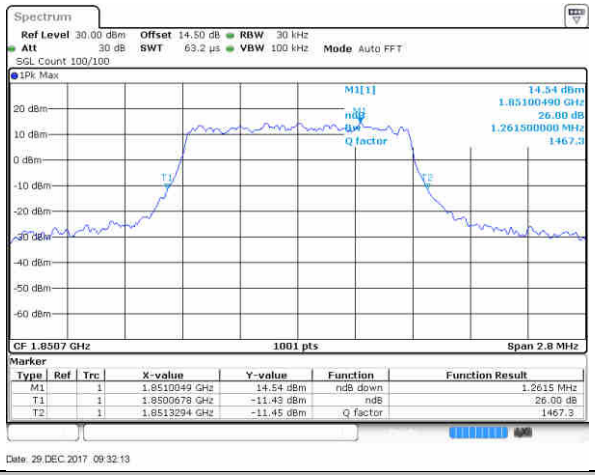


Highest Channel / 20MHz / 16QAM

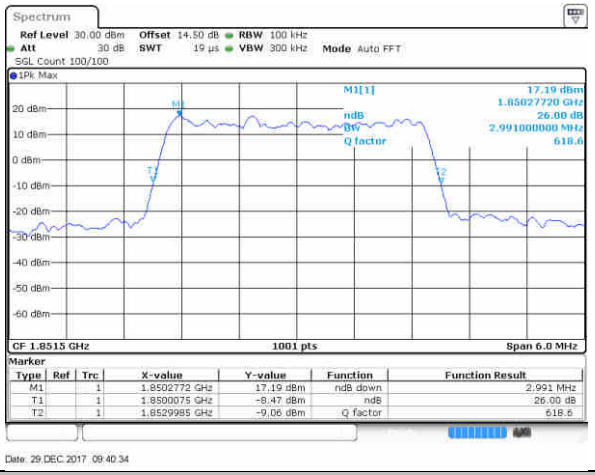


LTE Band 2

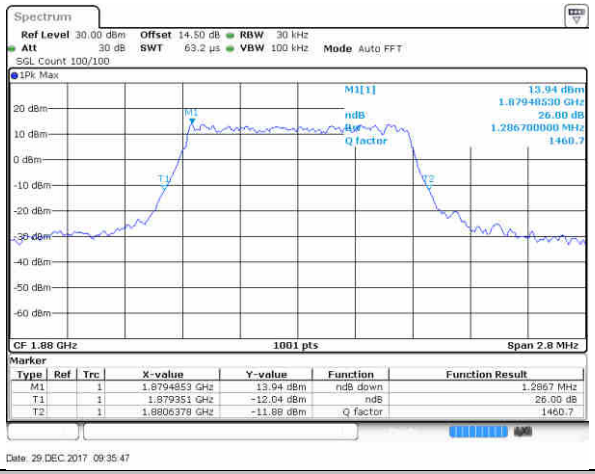
Lowest Channel / 1.4MHz / 64QAM



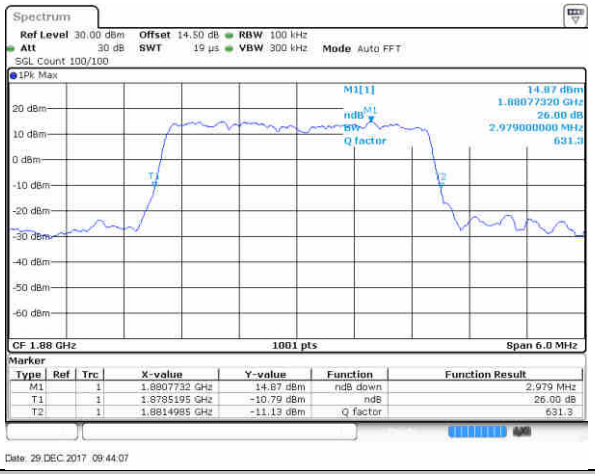
Lowest Channel / 3MHz / 64QAM



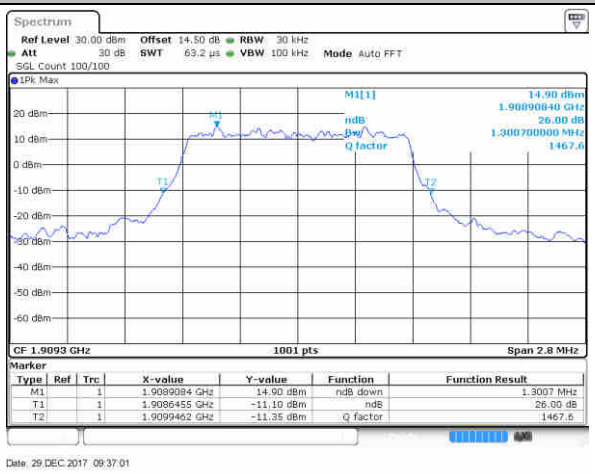
Middle Channel / 1.4MHz / 64QAM



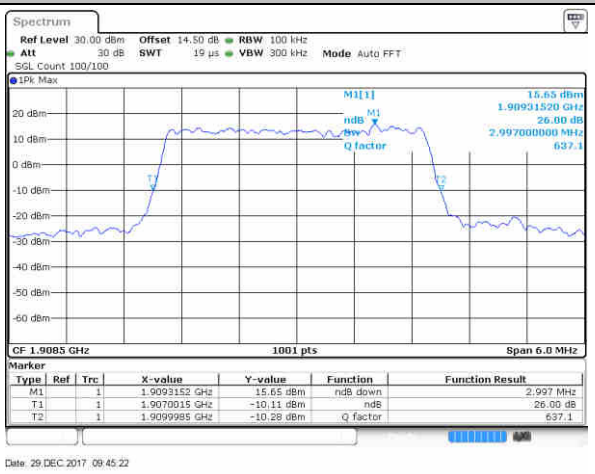
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

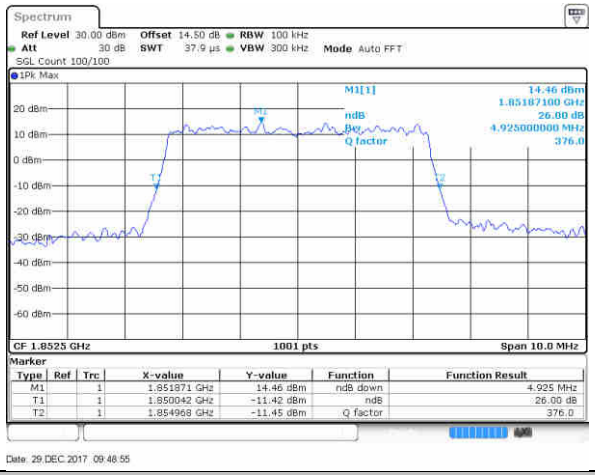


Highest Channel / 3MHz / 64QAM

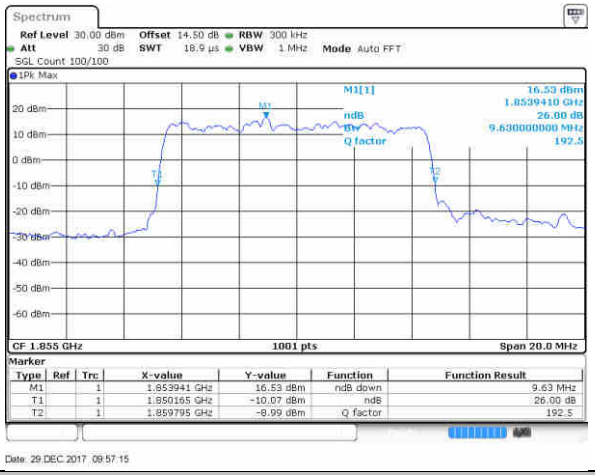


LTE Band 2

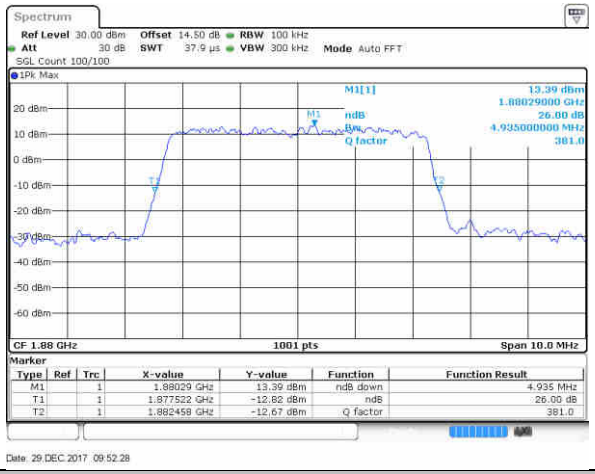
Lowest Channel / 5MHz / 64QAM



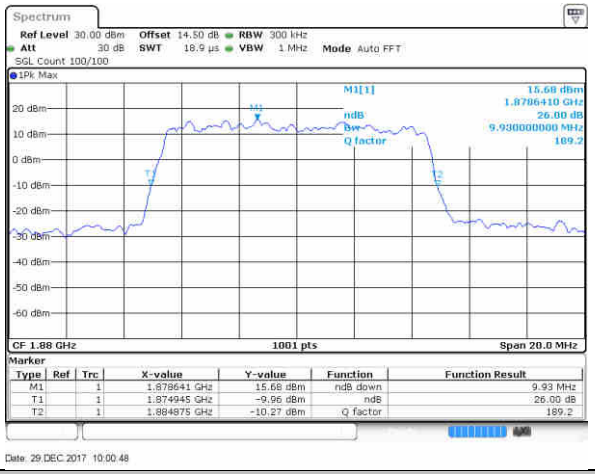
Lowest Channel / 10MHz / 64QAM



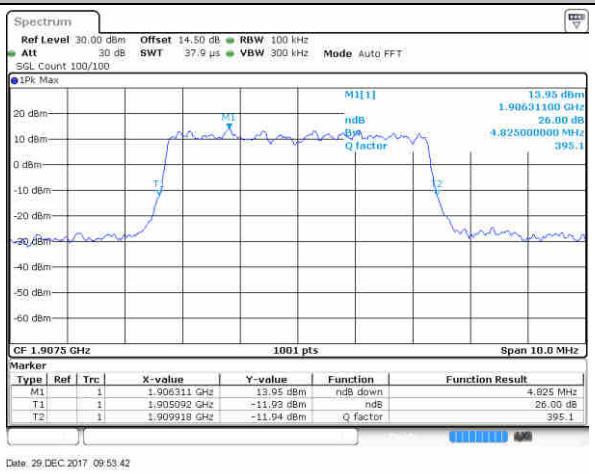
Middle Channel / 5MHz / 64QAM



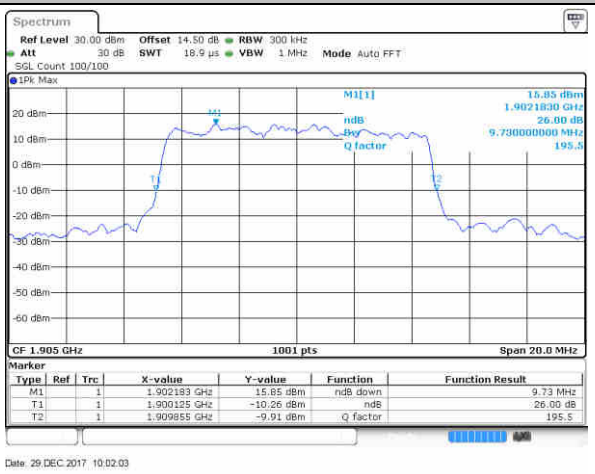
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

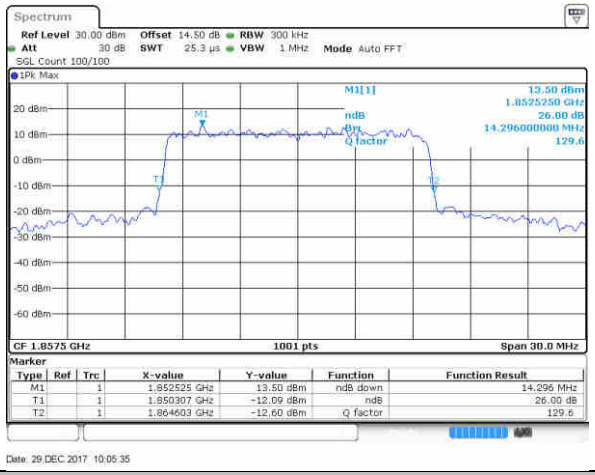


Highest Channel / 10MHz / 64QAM

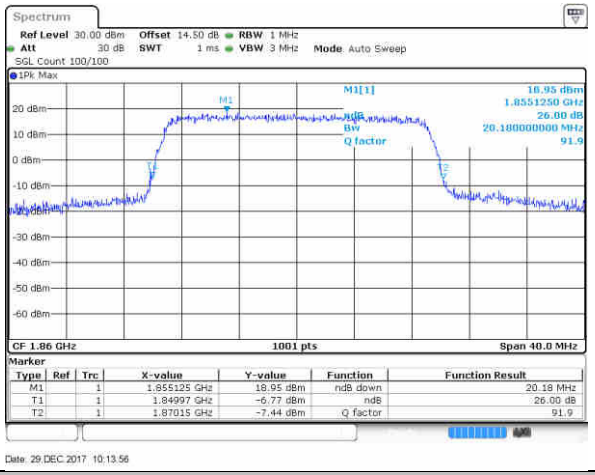


LTE Band 2

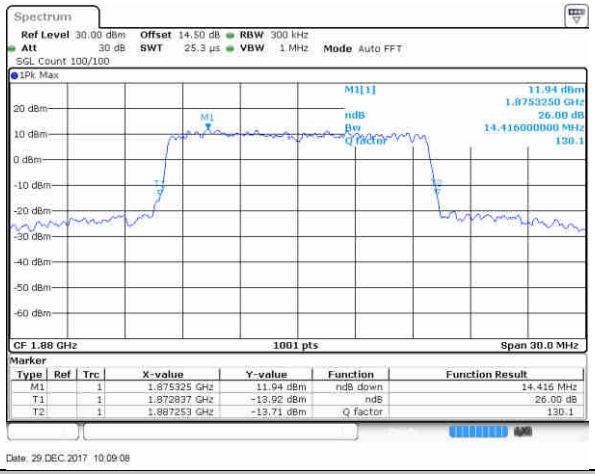
Lowest Channel / 15MHz / 64QAM



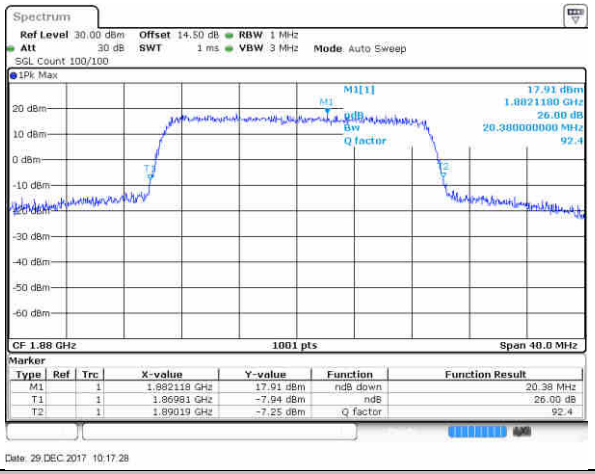
Lowest Channel / 20MHz / 64QAM



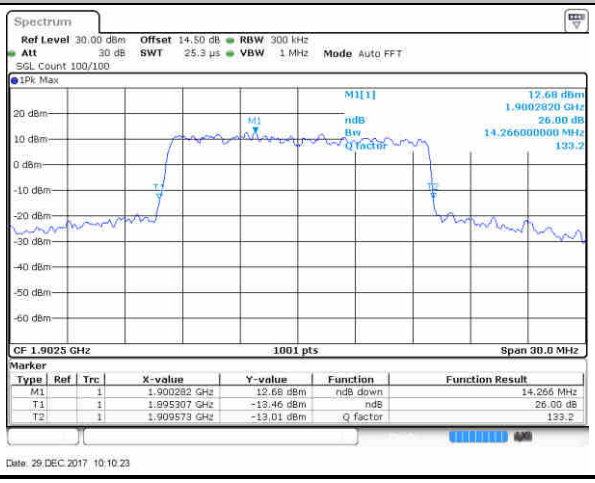
Middle Channel / 15MHz / 64QAM



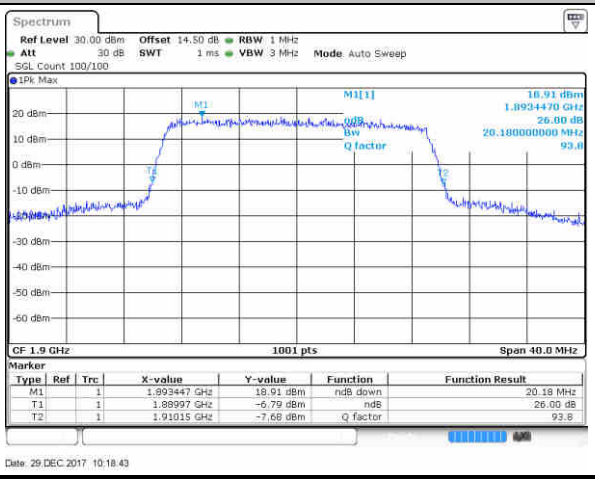
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM

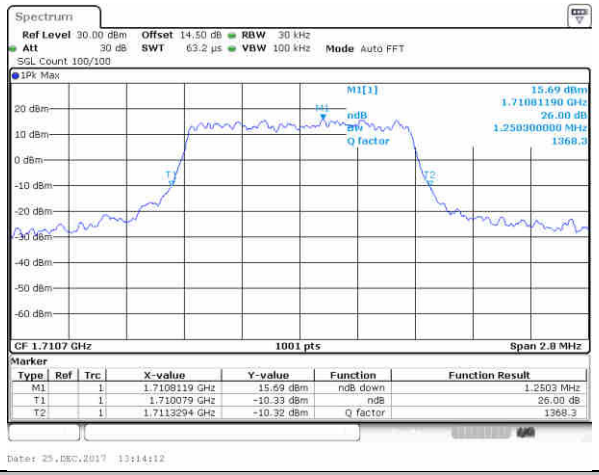


Highest Channel / 20MHz / 64QAM

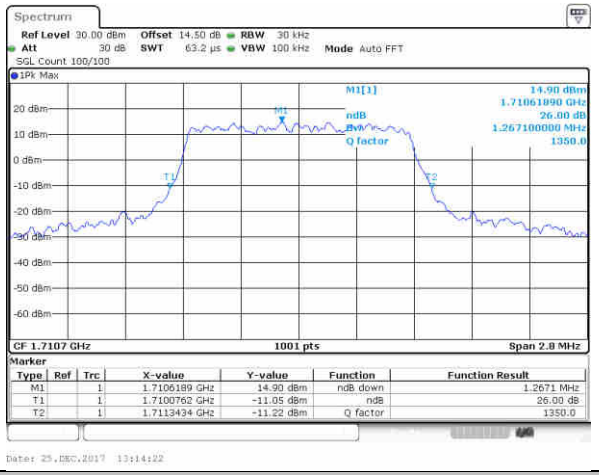


LTE Band 4

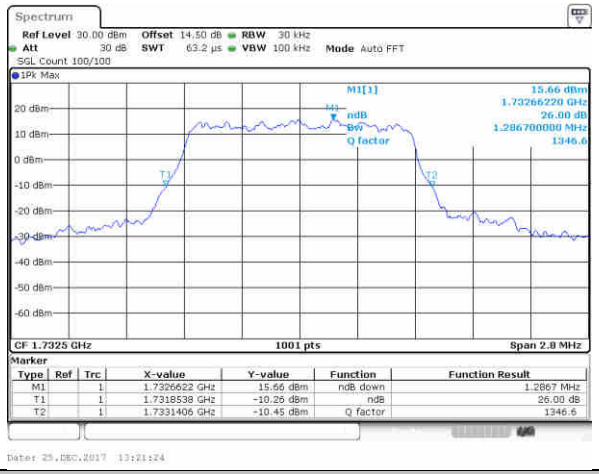
Lowest Channel / 1.4MHz / QPSK



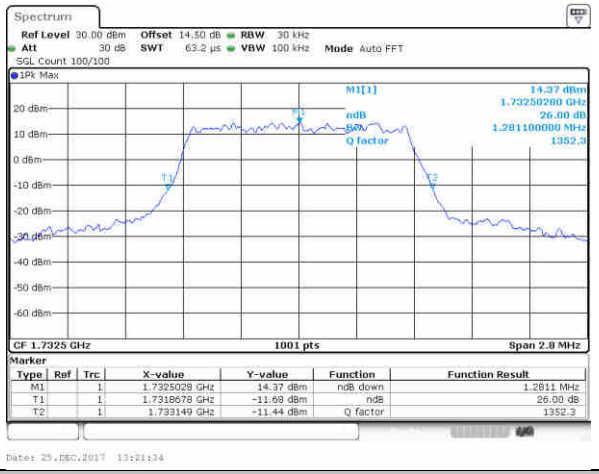
Lowest Channel / 1.4MHz / 16QAM



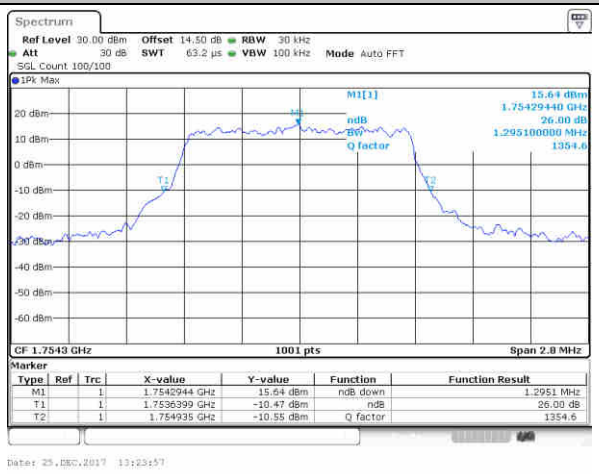
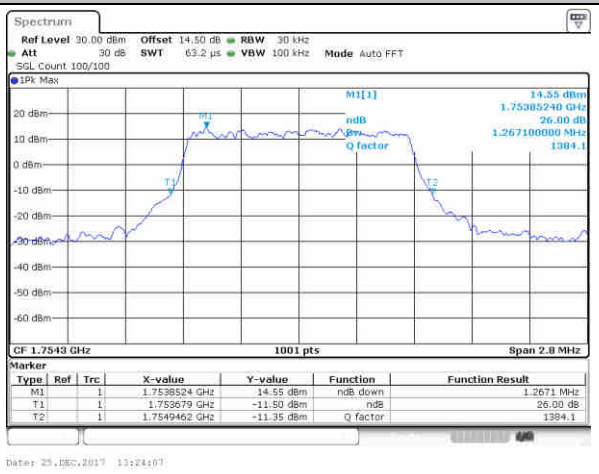
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM