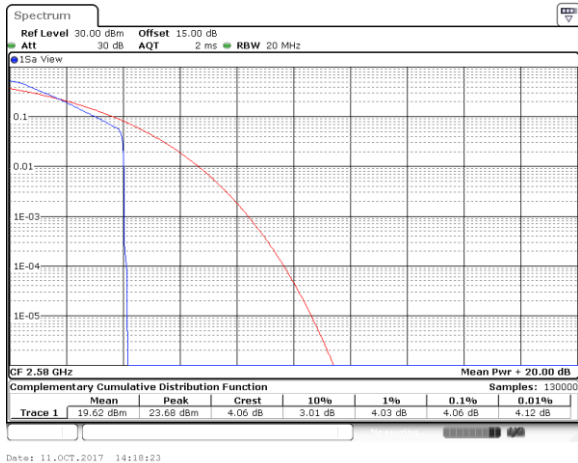


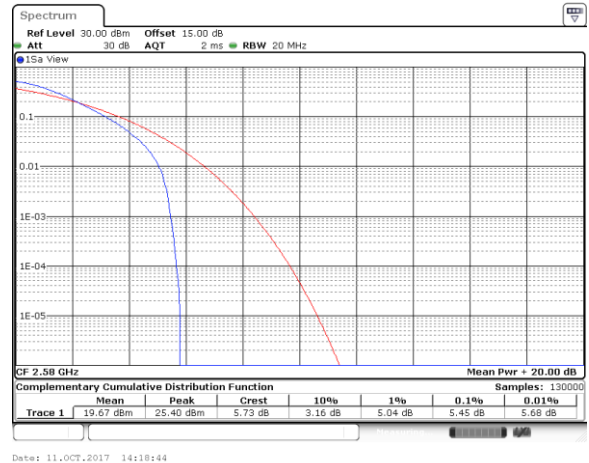


LTE Band 38 / 20MHz / QPSK

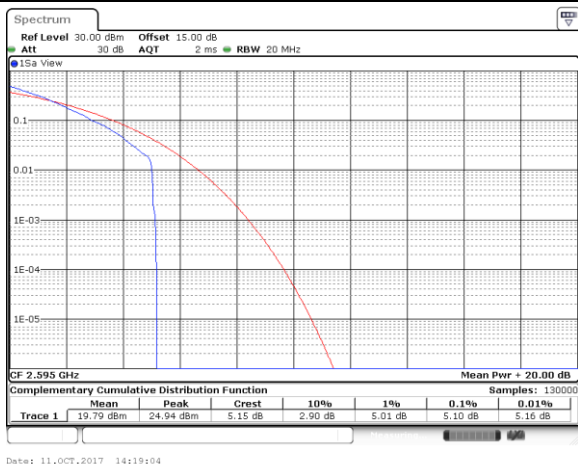
Lowest Channel / 1RB



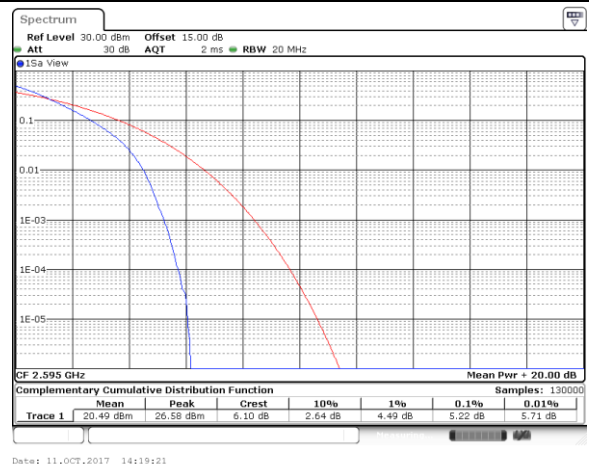
Lowest Channel / Full RB



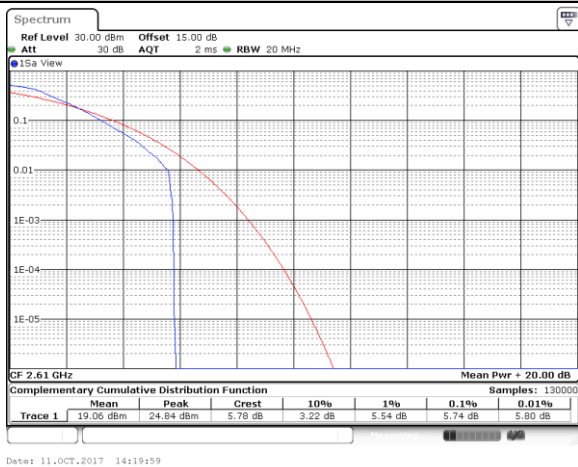
Middle Channel / 1RB



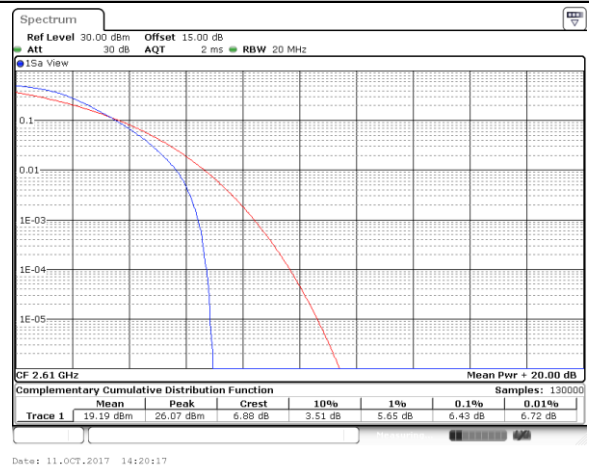
Middle Channel / Full RB



Highest Channel / 1RB



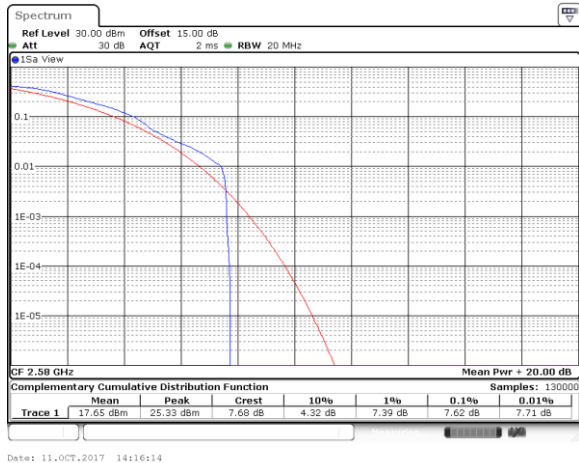
Highest Channel / Full RB



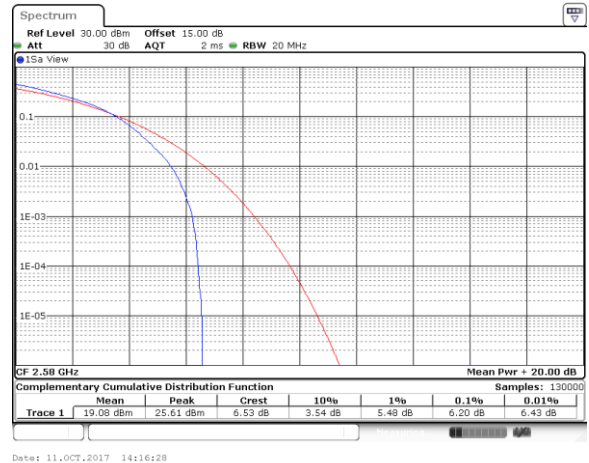


LTE Band 38 / 20MHz / 16QAM

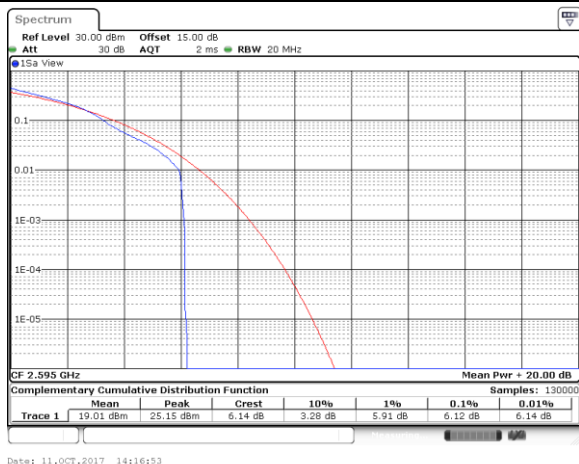
Lowest Channel / 1RB



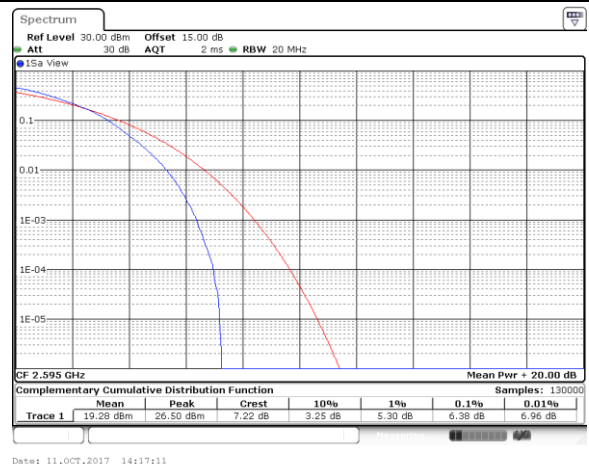
Lowest Channel / Full RB



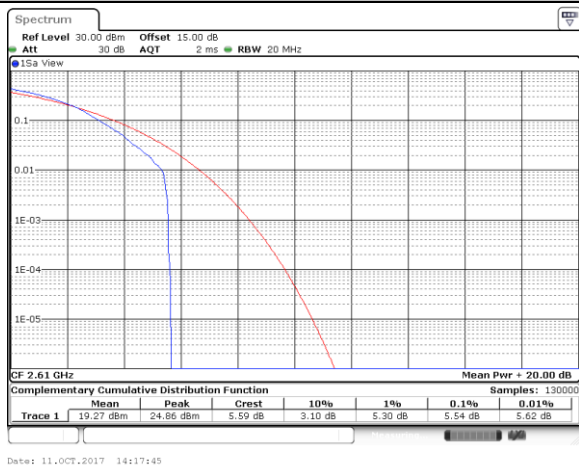
Middle Channel / 1RB



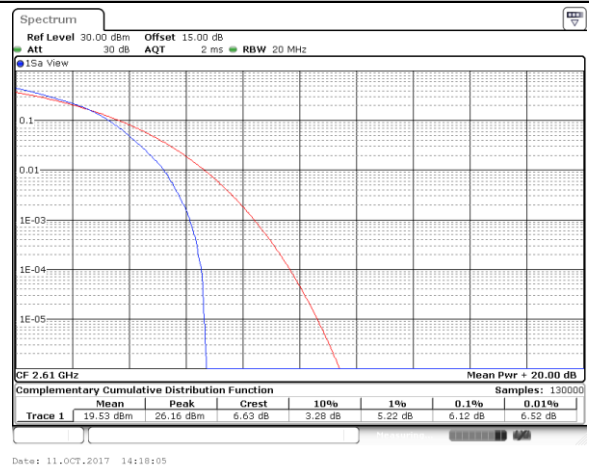
Middle Channel / Full RB



Highest Channel / 1RB



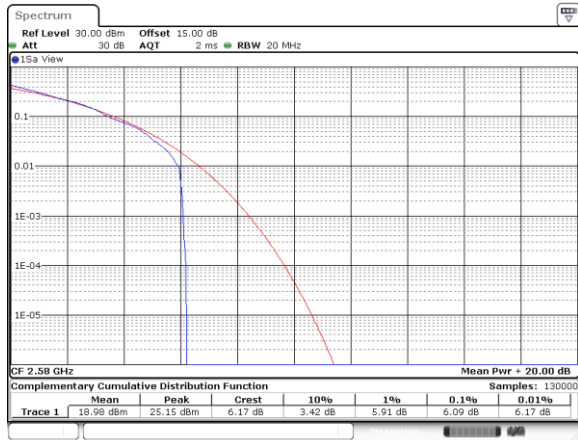
Highest Channel / Full RB



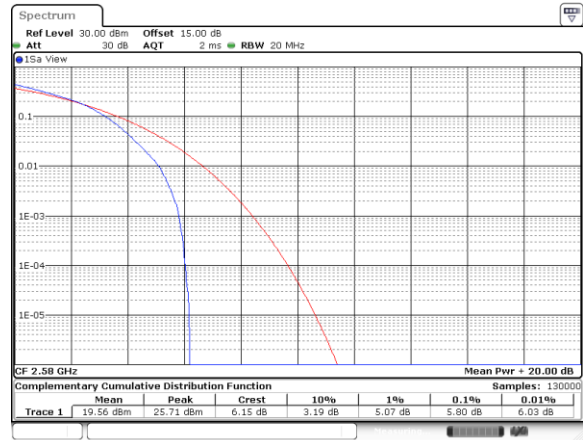


LTE Band 38 / 20MHz / 64QAM

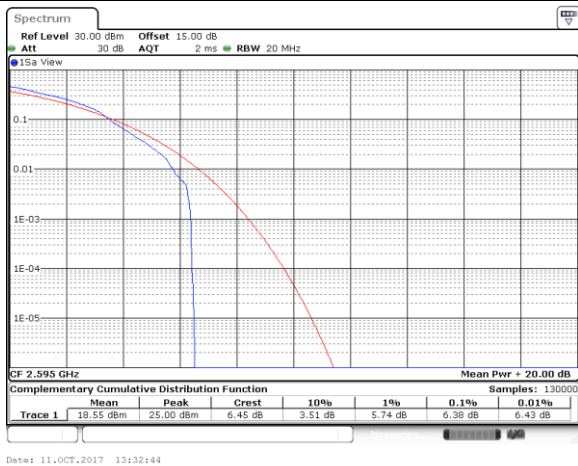
Lowest Channel / 1RB



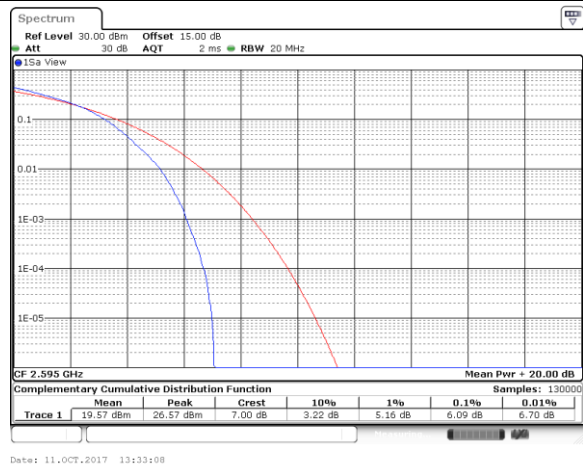
Lowest Channel / Full RB



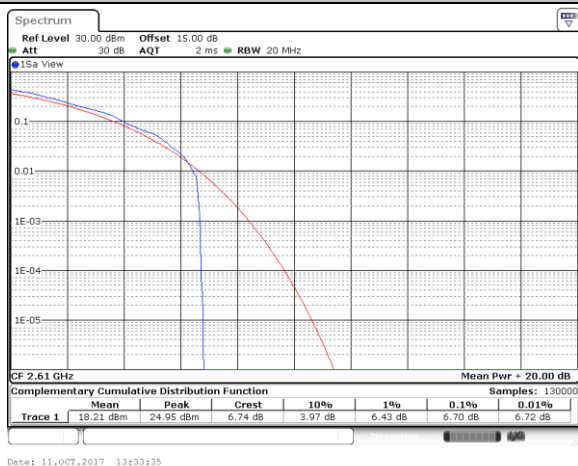
Middle Channel / 1RB



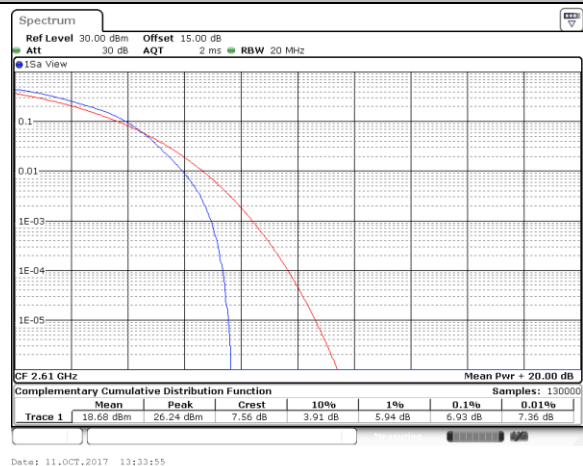
Middle Channel / Full RB



Highest Channel / 1RB



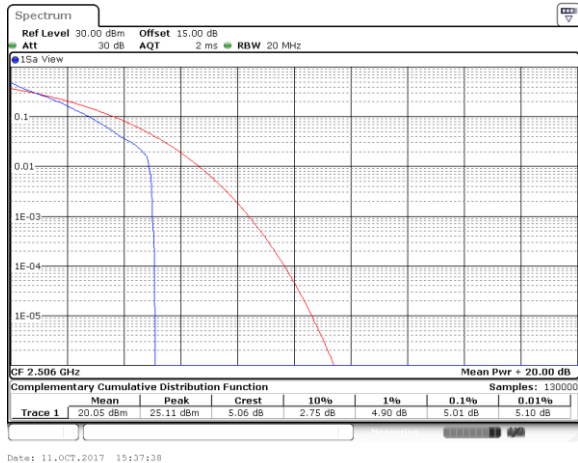
Highest Channel / Full RB



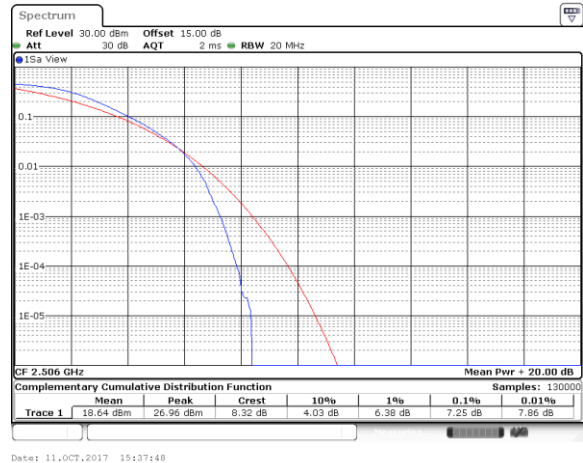


LTE Band 41 / 20MHz / QPSK

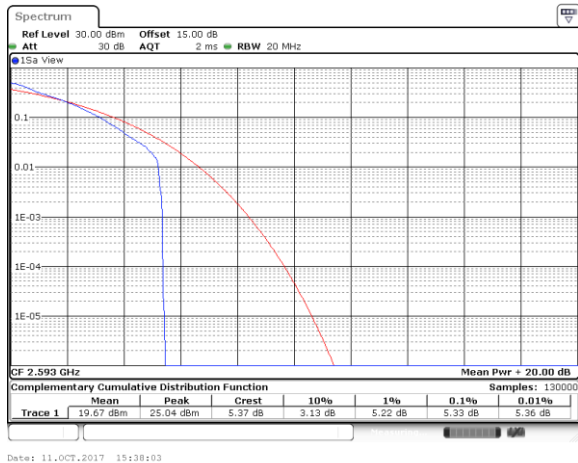
Lowest Channel / 1RB



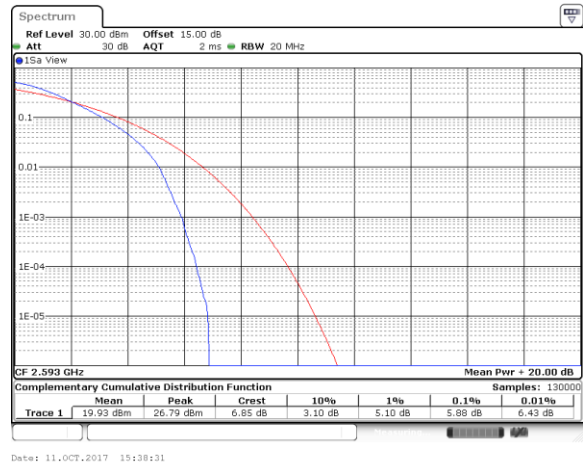
Lowest Channel / Full RB



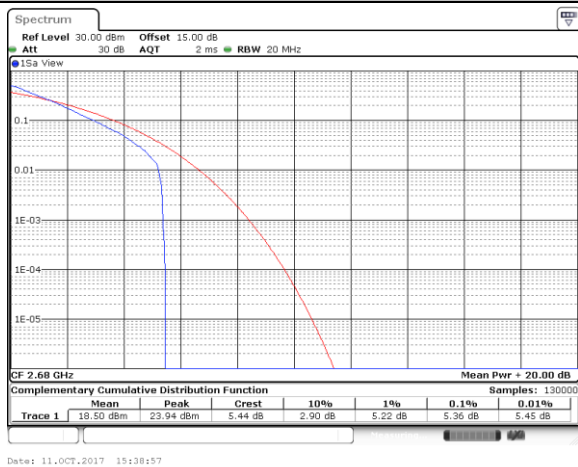
Middle Channel / 1RB



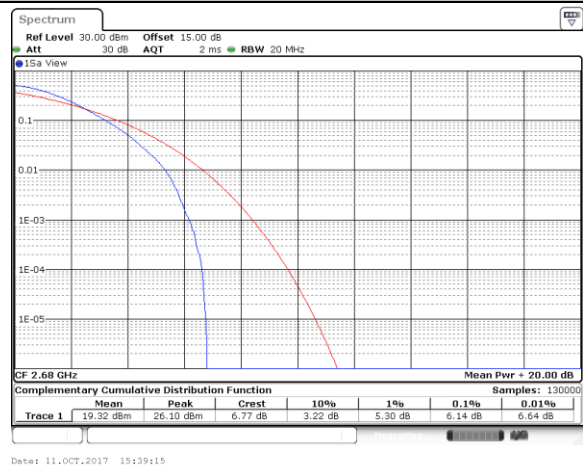
Middle Channel / Full RB



Highest Channel / 1RB



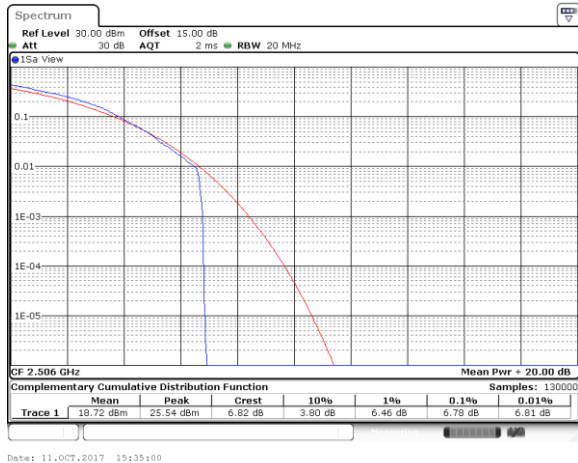
Highest Channel / Full RB



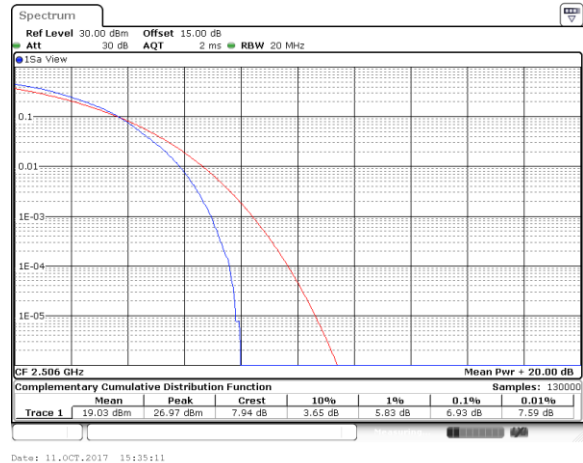


LTE Band 41 / 20MHz / 16QAM

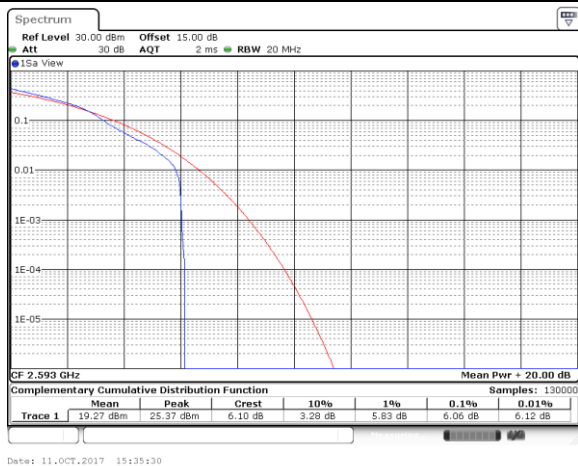
Lowest Channel / 1RB



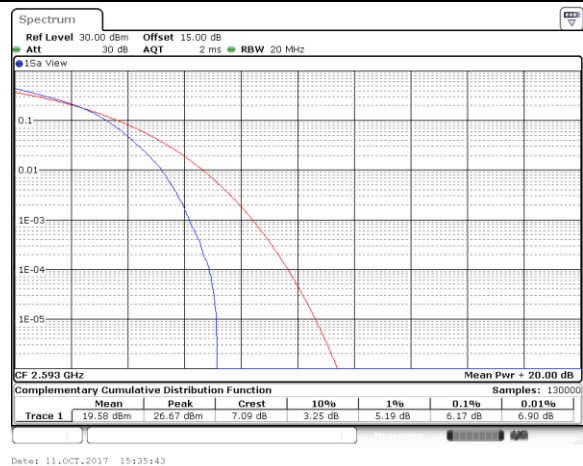
Lowest Channel / Full RB



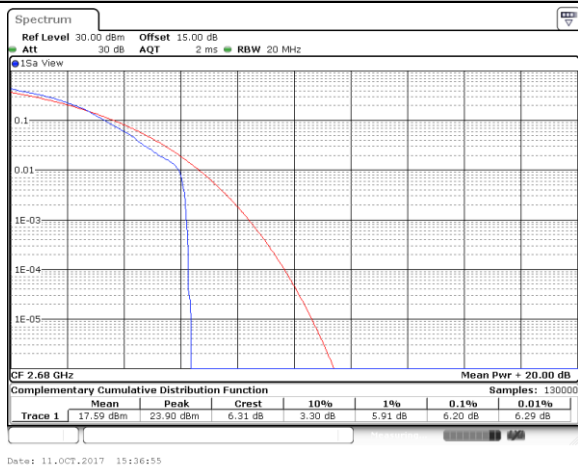
Middle Channel / 1RB



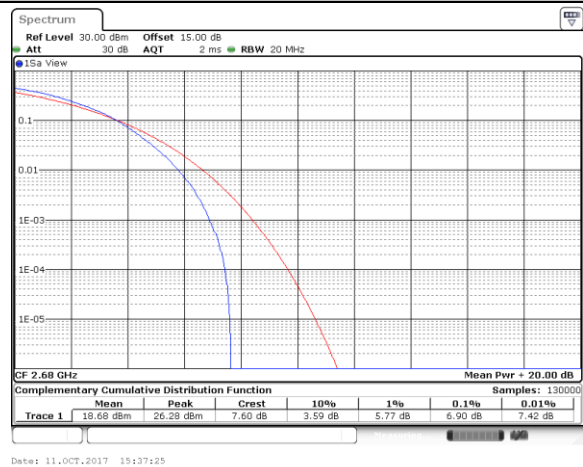
Middle Channel / Full RB



Highest Channel / 1RB



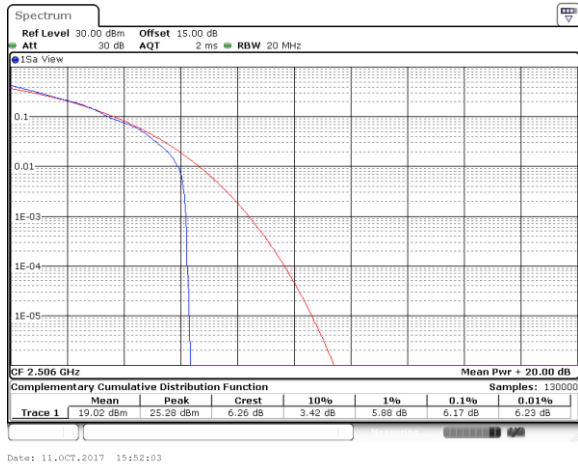
Highest Channel / Full RB



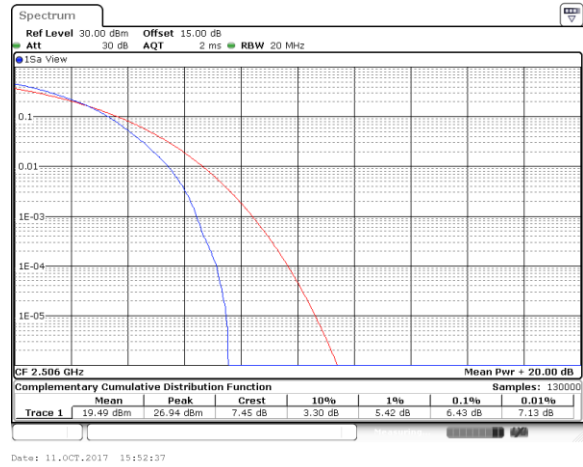


LTE Band 41 / 20MHz / 64QAM

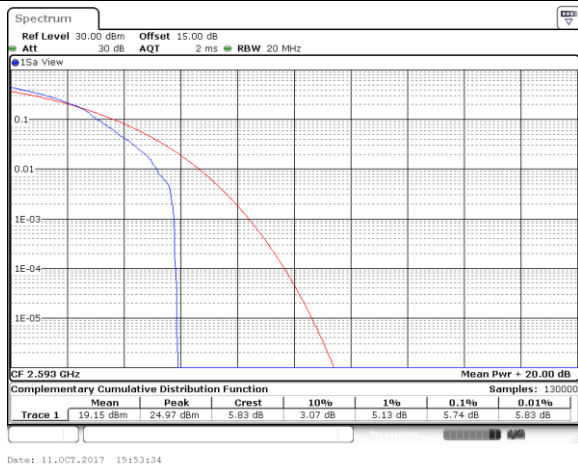
Lowest Channel / 1RB



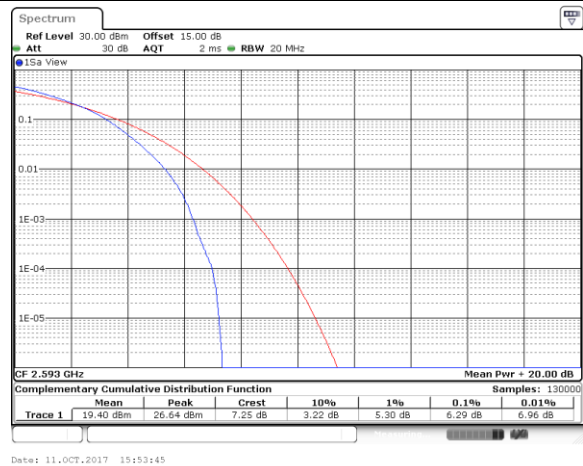
Lowest Channel / Full RB



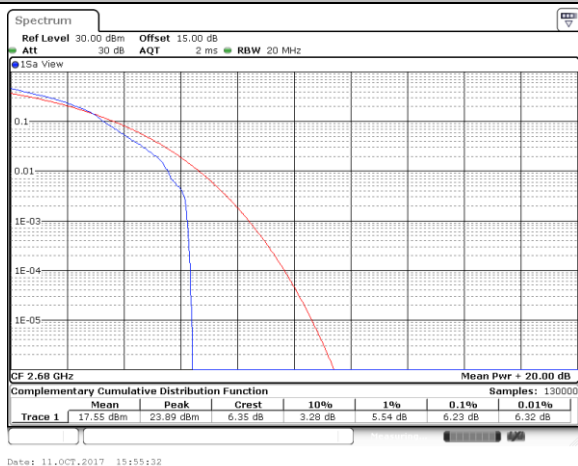
Middle Channel / 1RB



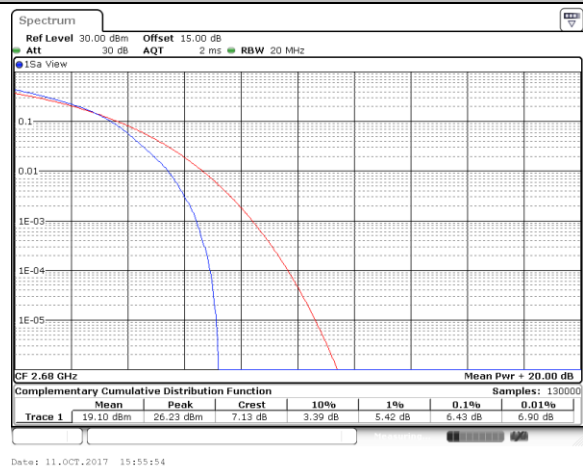
Middle Channel / Full RB



Highest Channel / 1RB



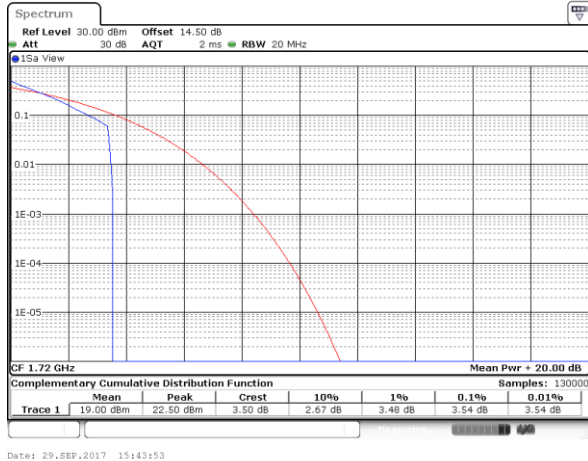
Highest Channel / Full RB



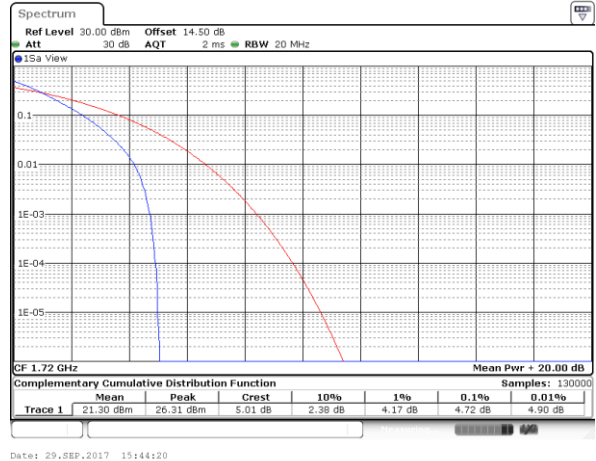


LTE Band 66 / 20MHz / QPSK

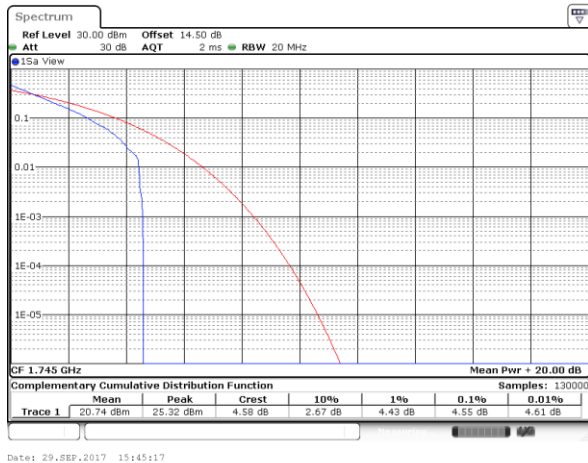
Lowest Channel / 1RB



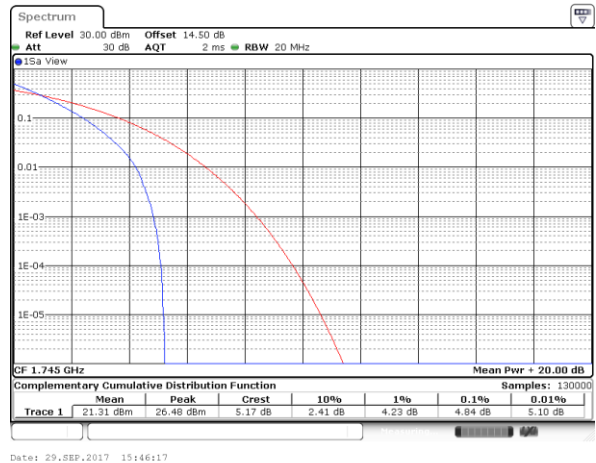
Lowest Channel / Full RB



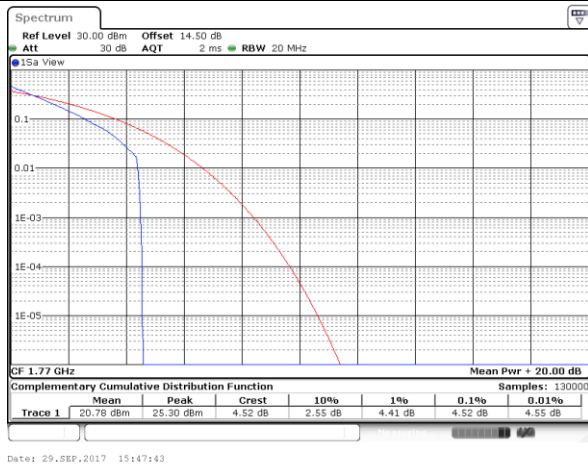
Middle Channel / 1RB



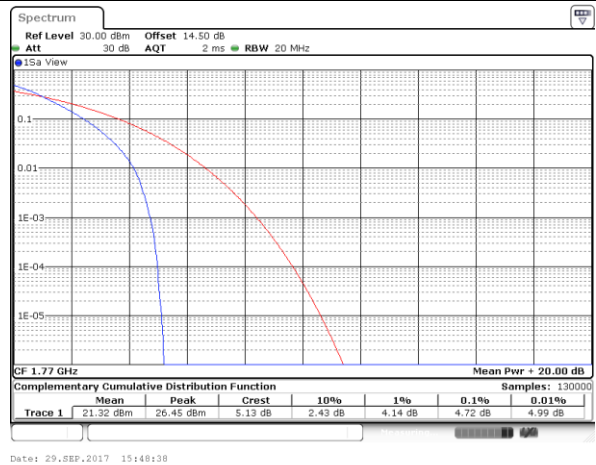
Middle Channel / Full RB



Highest Channel / 1RB



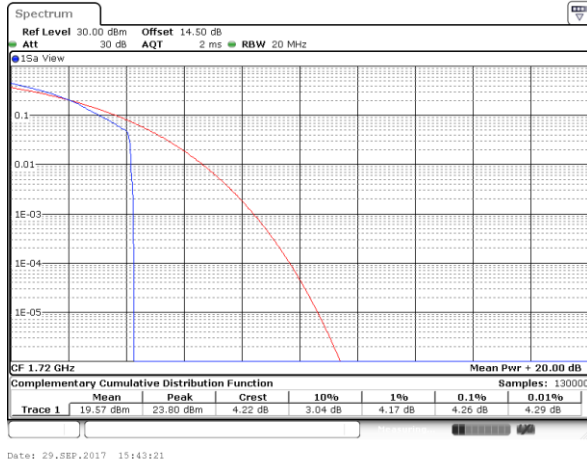
Highest Channel / Full RB



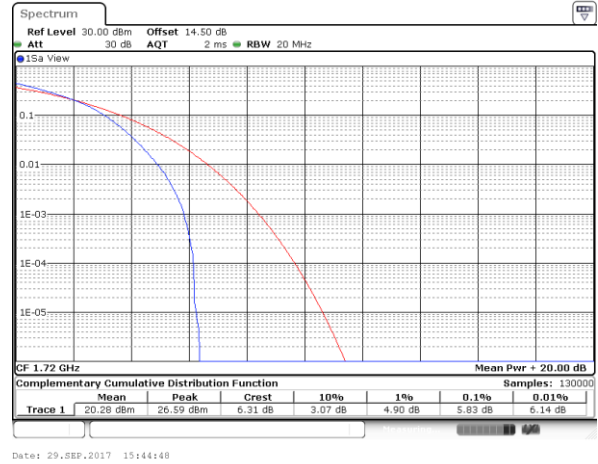


LTE Band 66 / 20MHz / 16QAM

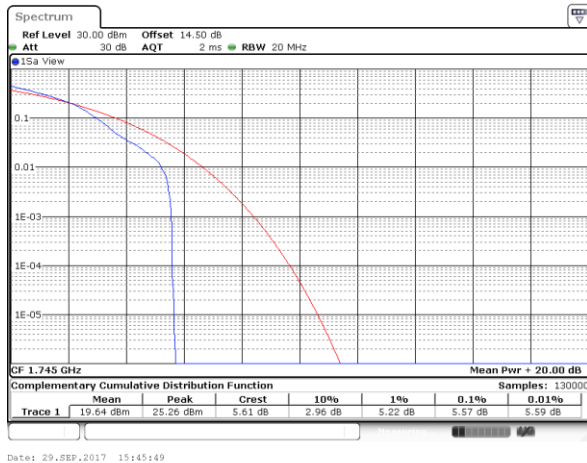
Lowest Channel / 1RB



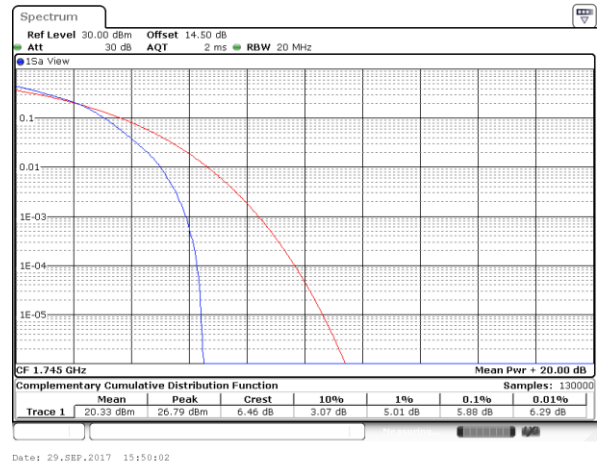
Lowest Channel / Full RB



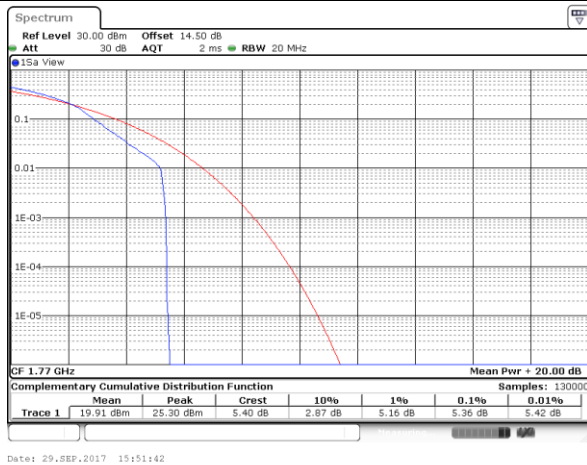
Middle Channel / 1RB



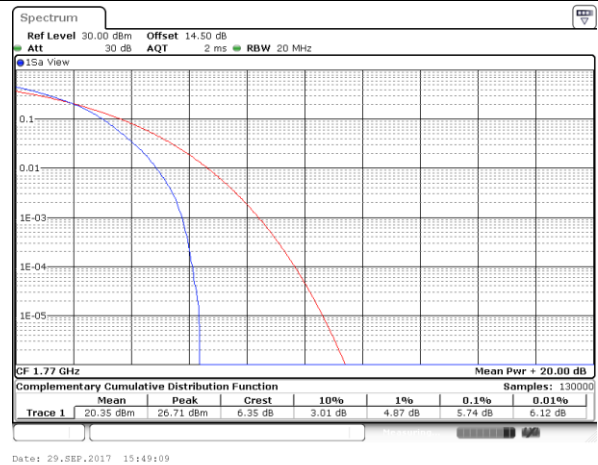
Middle Channel / Full RB



Highest Channel / 1RB



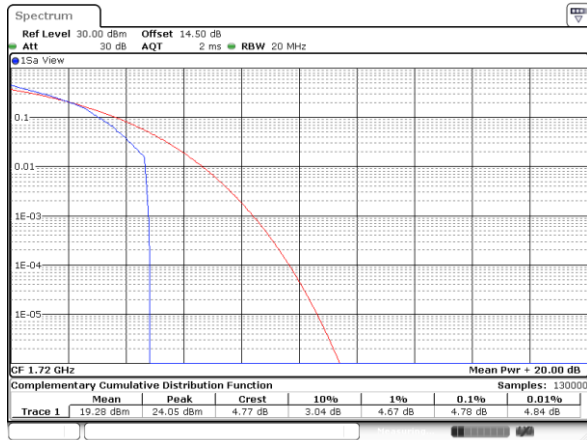
Highest Channel / Full RB



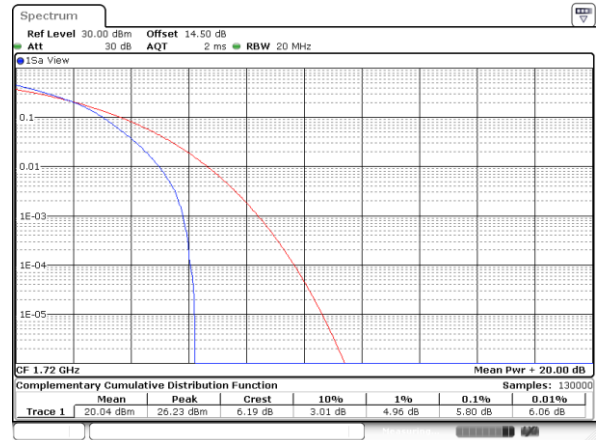


LTE Band 66 / 20MHz / 64QAM

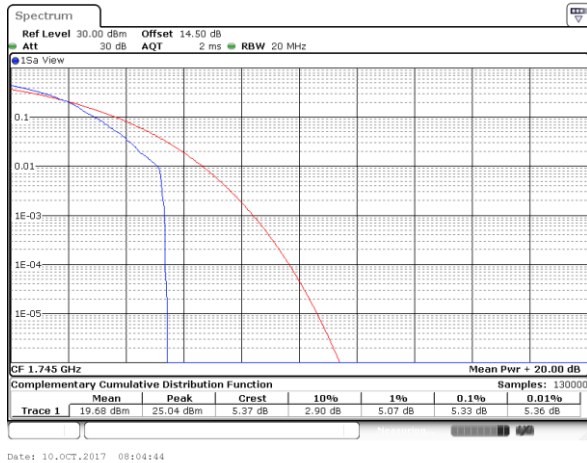
Lowest Channel / 1RB



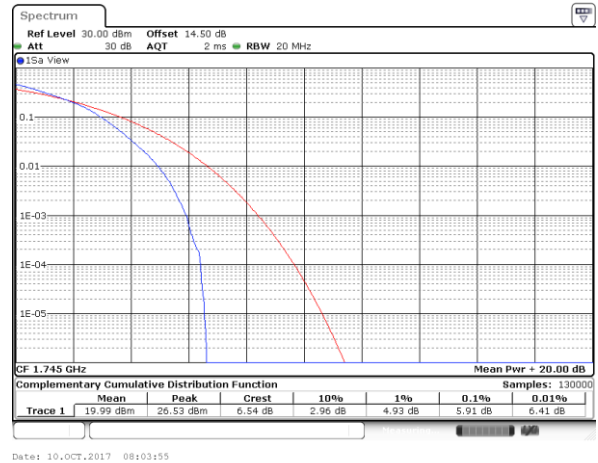
Lowest Channel / Full RB



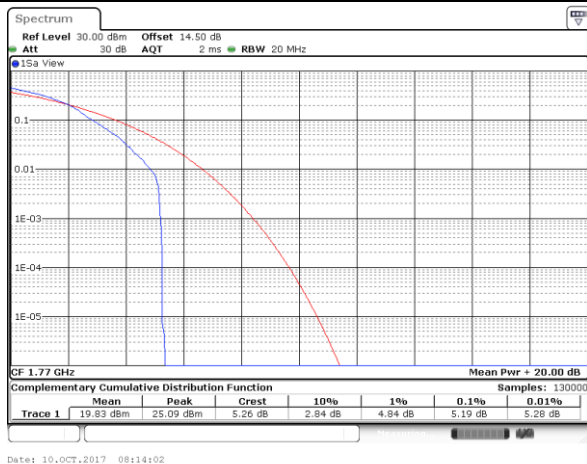
Middle Channel / 1RB



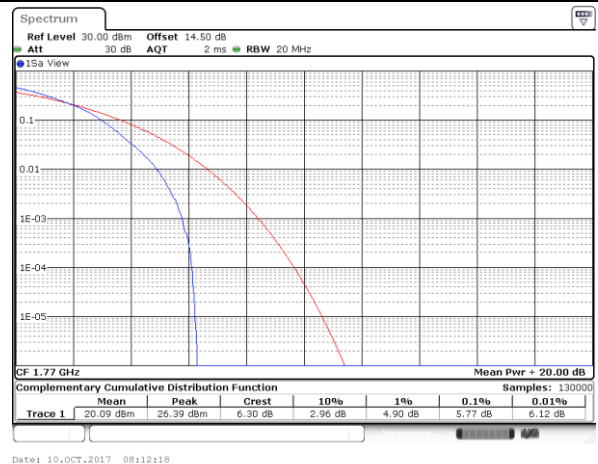
Middle Channel / Full RB



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	1.256	1.262	3.009	3.027	4.925	4.965	9.75	9.71	14.326	14.565	20.14	20.22
Middle CH	1.256	1.29	3.027	2.979	5.025	4.955	9.75	9.91	14.416	14.236	20.34	20.26
Highest CH	1.259	1.239	2.967	2.931	5.015	4.885	9.91	9.65	14.595	14.476	20.14	20.34
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.242	3.015	4.885	9.65	14.356	20.14						
Middle CH	1.233	2.991	4.845	9.65	14.386	20.22						
Highest CH	1.21	3.015	4.895	9.81	14.326	20.30						

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	1.222	1.234	3.015	3.027	4.935	4.865	9.71	9.83	14.595	14.655	20.14	20.18
Middle CH	1.228	1.231	2.985	3.027	4.905	4.845	9.79	9.63	14.655	14.326	20.18	20.22
Highest CH	1.22	1.217	3.021	3.015	4.875	4.895	9.71	9.85	14.416	14.476	20.14	20.14
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.208	3.051	4.875	9.87	14.236	20.3						
Middle CH	1.217	2.985	4.895	9.85	14.266	20.3						
Highest CH	1.228	2.997	4.875	9.67	14.595	20.3						

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	1.225	1.231	3.021	2.985	4.905	4.895	9.85	9.77	1.236	2.967	4.985	9.61
Middle CH	1.236	1.222	3.015	3.039	4.955	4.905	9.81	9.71	1.217	3.039	4.945	9.83
Highest CH	1.217	1.231	3.015	3.033	4.935	4.855	9.69	9.77	1.214	2.997	4.935	9.75



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	4.885	4.855	9.85	9.77	14.326	14.266	20.18	20.06	4.885	9.81	14.476	20.18
Middle CH	4.915	4.855	9.67	9.77	14.236	14.236	20.18	20.06	4.905	9.81	14.236	20.06
Highest CH	4.935	4.855	9.75	9.91	14.505	14.386	19.98	20.02	4.935	9.85	14.505	20.02

Mode	LTE Band 7 : 26dB BW(MHz)								
BW	10MHz+20MHz			15MHz+15MHz			15MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	30.33	30.09	29.79	30.87	30.75	30.69	35.11	35.18	35.04
Middle CH	30.27	30.03	29.85	30.81	30.75	30.51	35.11	35.18	34.97
Highest CH	30.21	30.03	29.79	30.81	30.81	30.63	35.11	35.11	34.97

Mode	LTE Band 7 : 26dB BW(MHz)								
BW	20MHz+10MHz			20MHz+15MHz			20MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	30.15	30.15	30.15	35.25	35.11	35.04	40.12	40.20	39.96
Middle CH	30.15	30.09	30.15	35.04	34.97	34.90	40.12	39.96	39.72
Highest CH	30.21	30.21	30.09	35.11	35.18	35.04	40.12	40.28	39.88

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	1.220	1.231	3.021	3.045	4.925	4.805	9.73	9.79	1.242	2.985	4.935	9.89
Middle CH	1.228	1.236	3.015	3.075	4.925	4.965	9.77	9.85	1.231	2.991	4.885	9.71
Highest CH	1.231	1.214	3.015	3.021	4.925	4.865	9.75	9.69	1.231	3.045	4.835	9.87

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.825	4.895	9.87	9.73	4.875	9.75						
Middle CH	4.945	4.875	9.77	9.77	4.905	9.71						
Highest CH	4.865	4.825	9.81	9.69	4.895	9.81						



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	1.228	1.228	3.015	3.003	4.965	4.855	9.81	9.83	14.476	14.236	20.18	20.18
Middle CH	1.234	1.222	3.045	3.027	4.905	4.845	9.63	9.67	14.446	14.206	20.26	20.18
Highest CH	1.236	1.228	3.033	3.051	4.815	4.955	9.81	9.85	14.416	14.386	20.3	20.1
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.245	2.973	4.835	9.75	14.206	20.1						
Middle CH	1.222	3.027	4.865	9.63	14.505	20.18						
Highest CH	1.220	3.039	4.835	9.83	14.236	20.06						

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	1.231	1.228	2.979	3.051	4.885	4.835	9.75	9.69	14.595	14.386	14.176	14.595
Middle CH	1.231	1.225	2.973	3.003	4.925	4.945	9.69	9.73	14.296	14.356	-	-
Highest CH	1.231	1.225	3.045	3.015	4.945	4.895	9.71	9.63	14.416	14.386	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	CH26765						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.228	3.021	4.925	9.73	14.266	14.296						
Middle CH	1.214	3.003	4.925	9.71	14.505	-						
Highest CH	1.225	3.075	4.925	9.67	14.206	-						

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	4.895	4.855	9.67	9.63	14.176	14.416	20.18	20.06	4.895	9.67	14.356	20.26
Middle CH	4.885	4.905	9.65	9.73	14.356	14.086	20.1	20.26	4.855	9.69	14.146	20.14
Highest CH	4.885	4.845	9.65	9.63	14.386	14.296	20.22	20.06	4.805	9.63	14.266	20.14

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	4.945	4.795	9.81	9.83	14.446	14.266	20.02	20.18	4.795	9.69	14.356	20.1
Middle CH	4.905	4.755	9.85	9.67	14.116	14.356	20.18	20.18	4.875	9.61	14.446	20.26
Highest CH	4.905	4.895	9.65	9.65	14.176	14.116	20.14	20.22	4.805	9.79	14.116	20.18



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	25.125	25.175	24.925	30.09	30.15	29.97	30.749	30.689	30.629
Middle CH	25.075	25.025	24.775	30.09	30.09	29.85	30.749	30.749	30.450
Highest CH	25.175	25.025	24.825	30.09	30.21	29.85	30.749	30.689	30.689

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	35.175	35.175	34.895	25.075	25.075	25.025	30.09	29.97	30.21
Middle CH	35.035	35.035	34.895	25.125	25.025	24.975	30.09	30.03	30.03
Highest CH	35.175	35.035	34.965	25.125	25.175	25.225	30.09	30.03	30.09

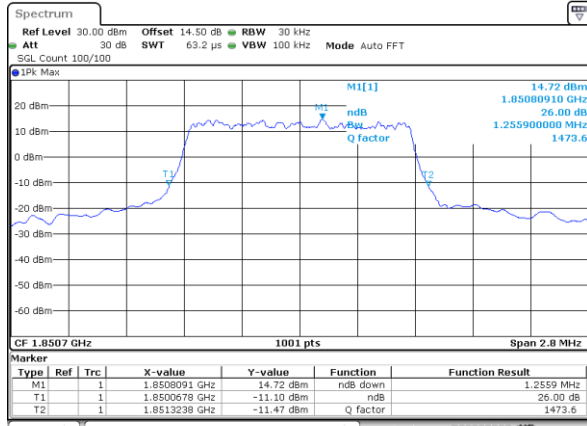
Mode	LTE Band 41 : 26dB BW(MHz)					
BW	20MHz+15MHz			20MHz+20MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	34.965	35.175	34.895	40.12	40.04	39.88
Middle CH	35.035	35.035	34.965	39.96	39.96	39.96
Highest CH	35.105	35.105	34.965	39.96	39.96	39.80

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	1.222	1.208	3.069	3.033	4.915	4.855	9.91	9.71	14.446	14.356	20.18	20.22
Middle CH	1.239	1.231	3.009	3.021	4.945	4.945	9.75	9.83	14.476	14.236	20.14	20.22
Highest CH	1.22	1.214	3.027	3.063	4.945	4.895	9.75	9.85	14.655	14.446	20.18	20.26
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.253	2.973	4.915	9.77	14.266	20.14						
Middle CH	1.22	3.015	4.895	9.75	14.476	20.06						
Highest CH	1.225	2.991	4.925	9.71	14.476	20.06						

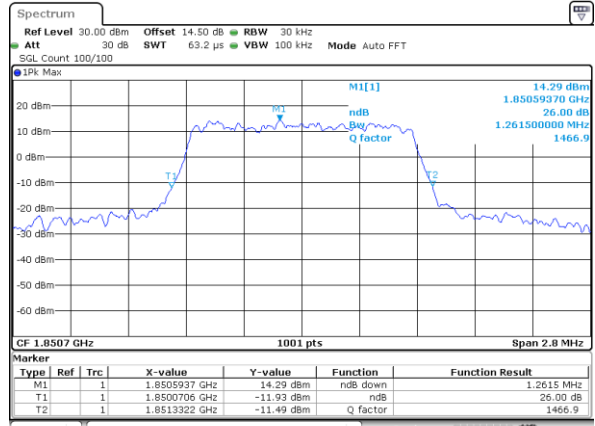


LTE Band 2

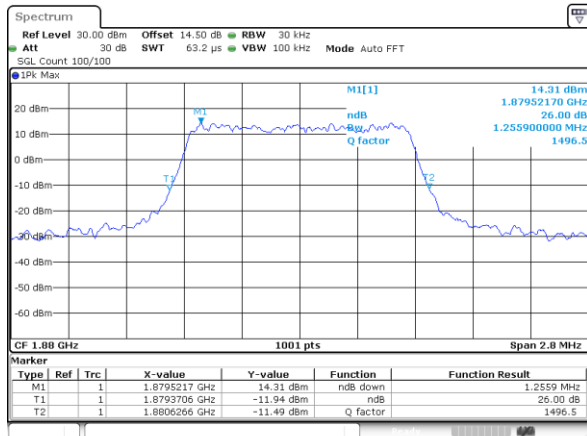
Lowest Channel / 1.4MHz / QPSK



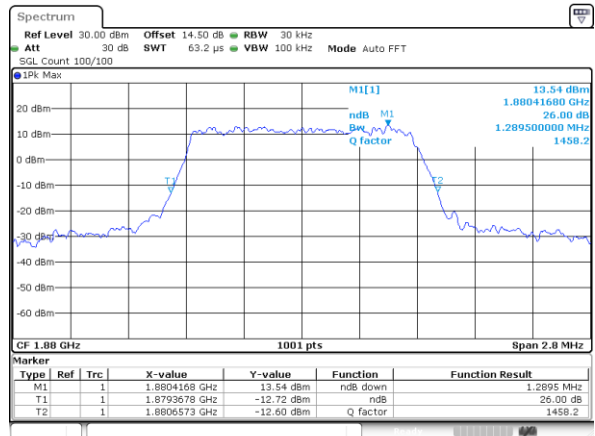
Lowest Channel / 1.4MHz / 16QAM



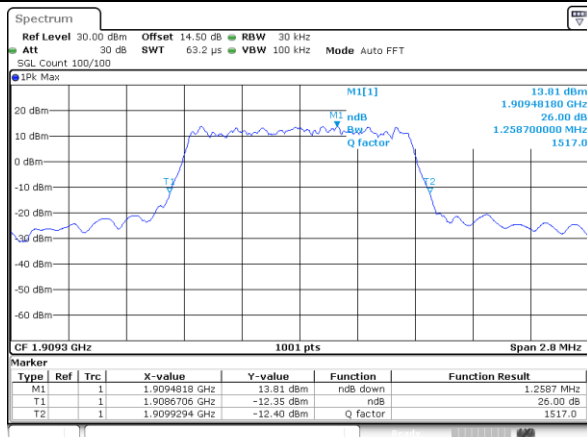
Middle Channel / 1.4MHz / QPSK



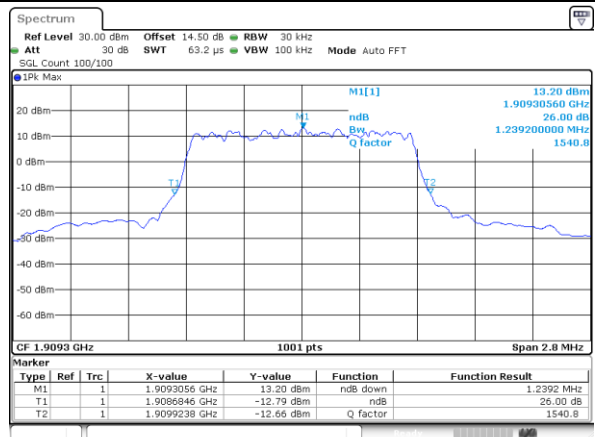
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



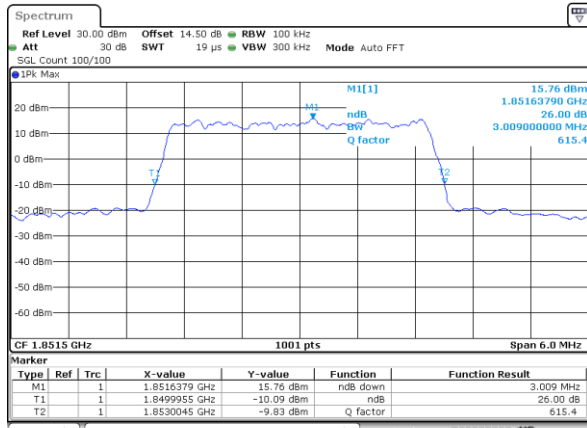
Highest Channel / 1.4MHz / 16QAM





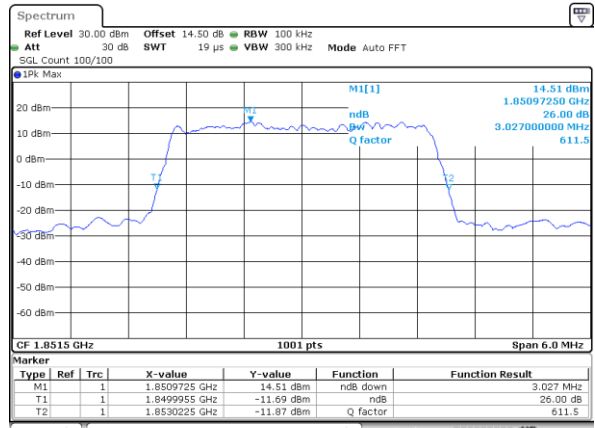
LTE Band 2

Lowest Channel / 3MHz / QPSK



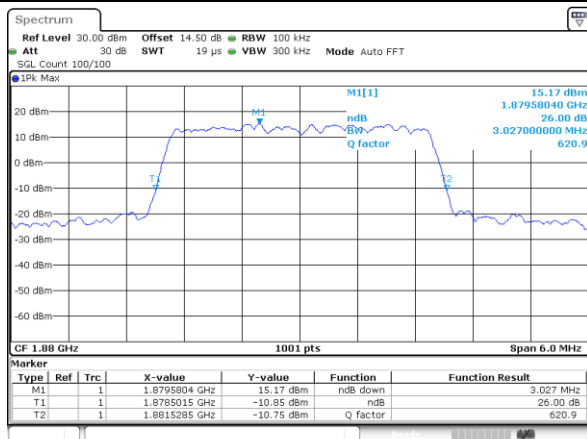
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Lowest Channel / 3MHz / 16QAM



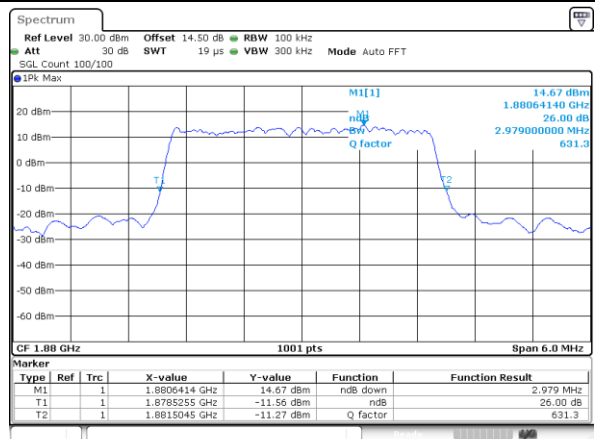
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Middle Channel / 3MHz / QPSK



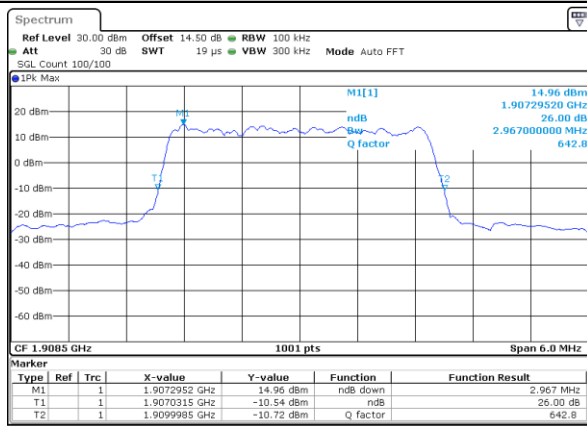
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Middle Channel / 3MHz / 16QAM



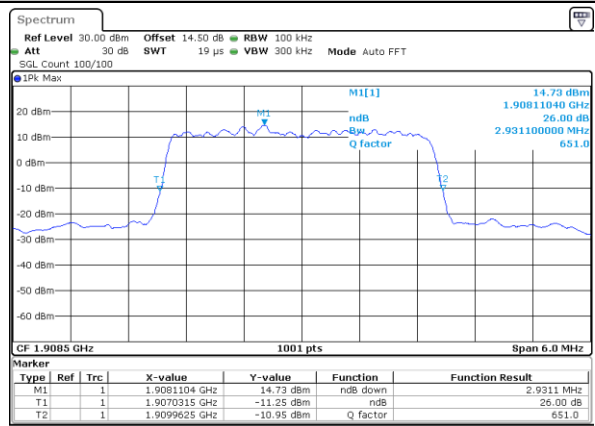
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Highest Channel / 3MHz / QPSK



Date: 7.JUL.2017 11:06:33

Highest Channel / 3MHz / 16QAM

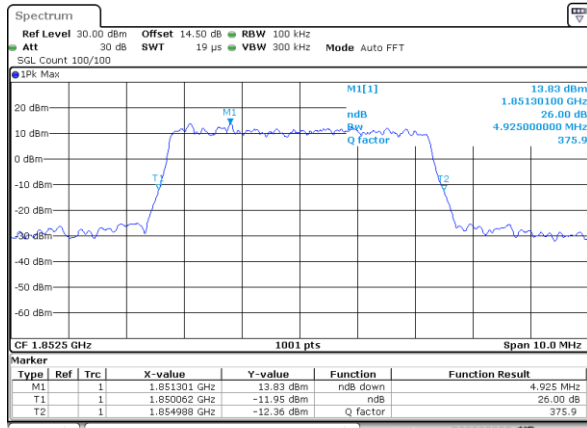


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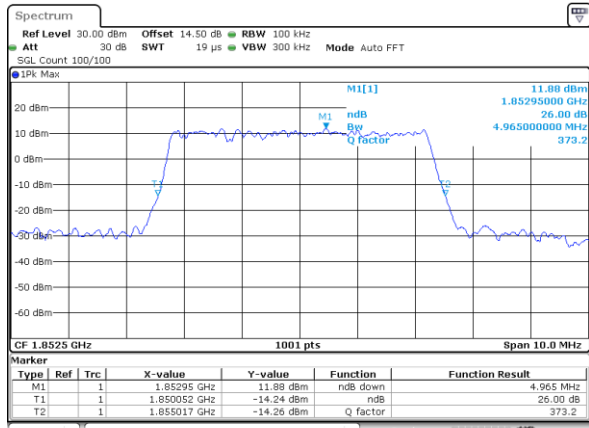
LTE Band 2

Lowest Channel / 5MHz / QPSK



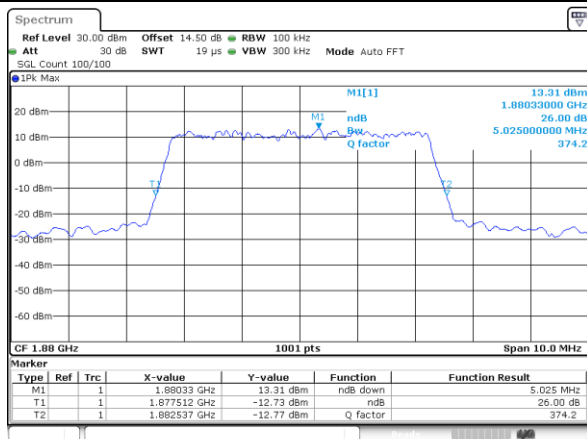
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Lowest Channel / 5MHz / 16QAM



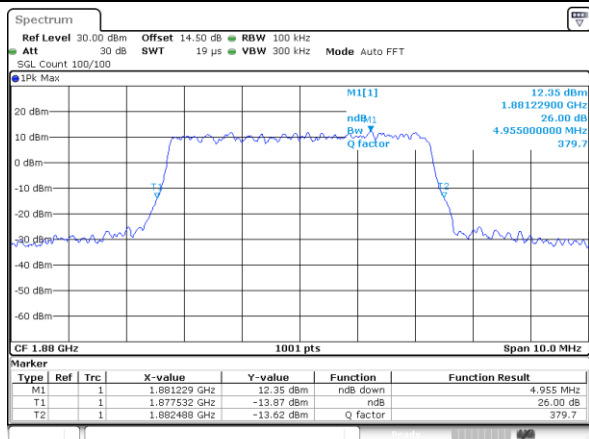
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Middle Channel / 5MHz / QPSK



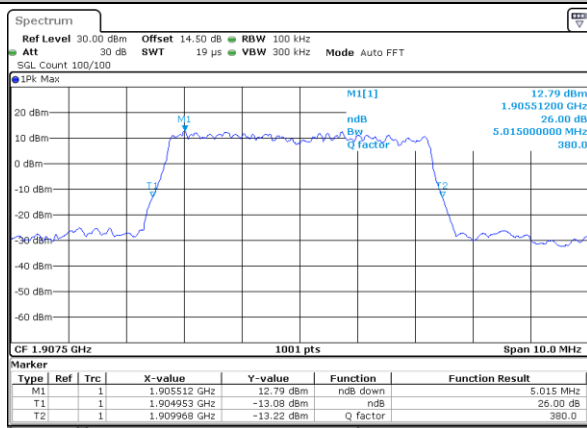
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Middle Channel / 5MHz / 16QAM



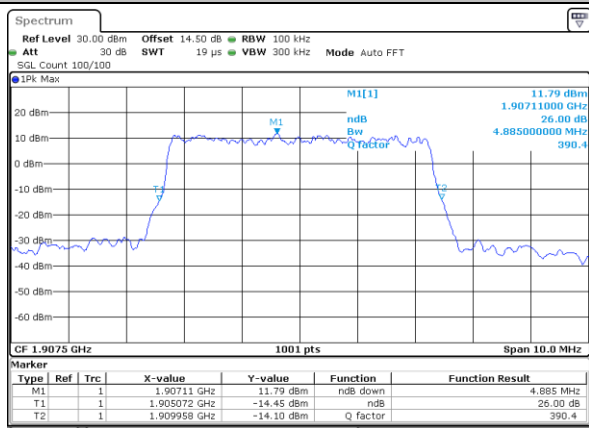
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Highest Channel / 5MHz / QPSK



Date: 7.JUL.2017 11:23:26

Highest Channel / 5MHz / 16QAM

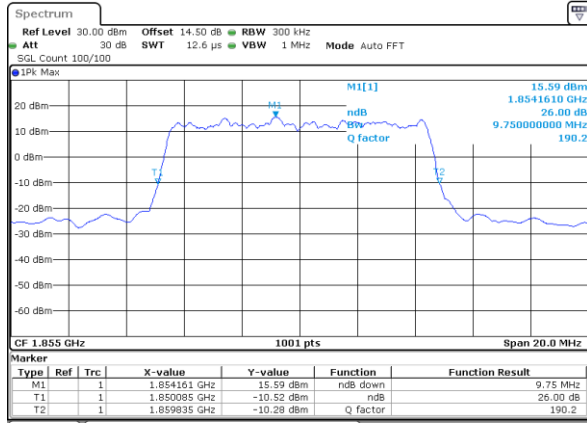


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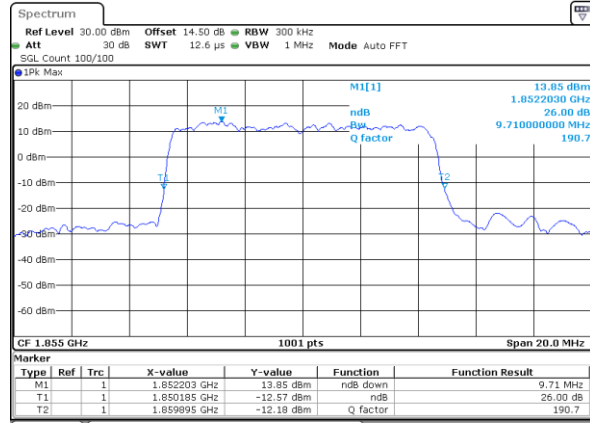


LTE Band 2

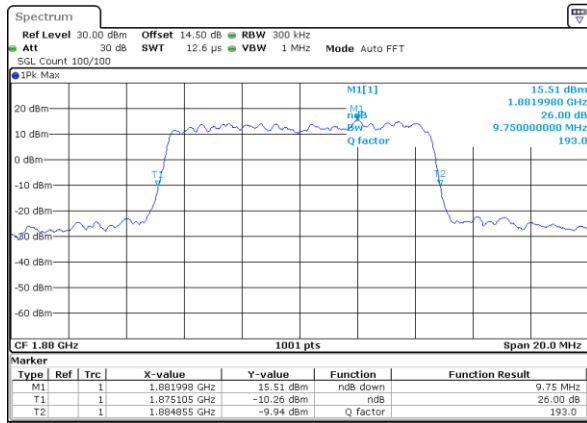
Lowest Channel / 10MHz / QPSK



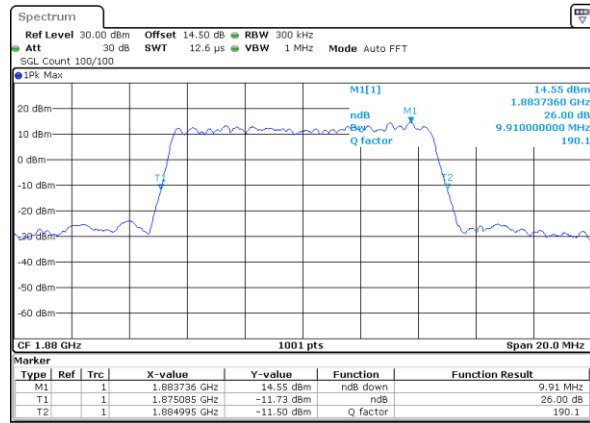
Lowest Channel / 10MHz / 16QAM



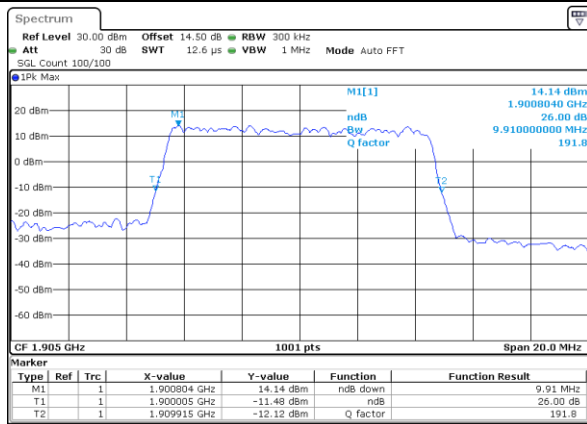
Middle Channel / 10MHz / QPSK



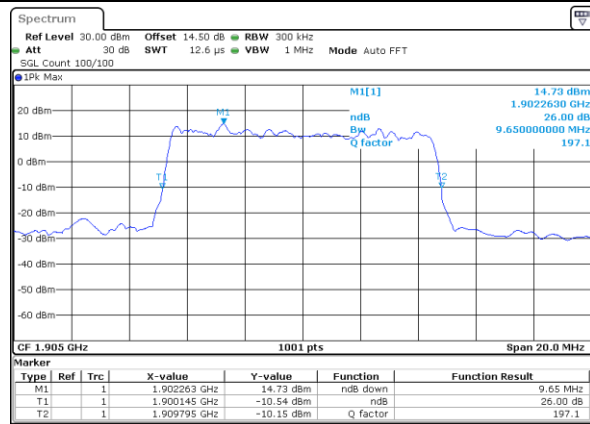
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



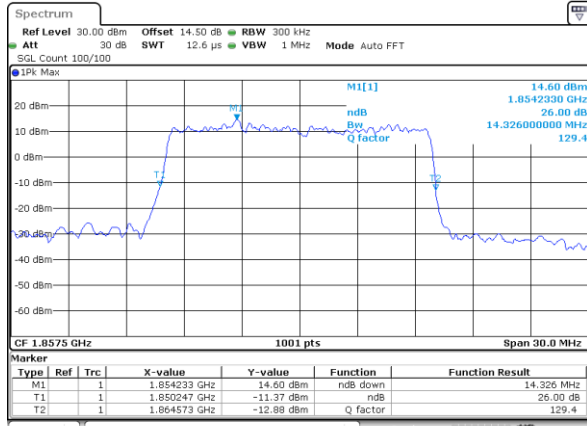
Highest Channel / 10MHz / 16QAM





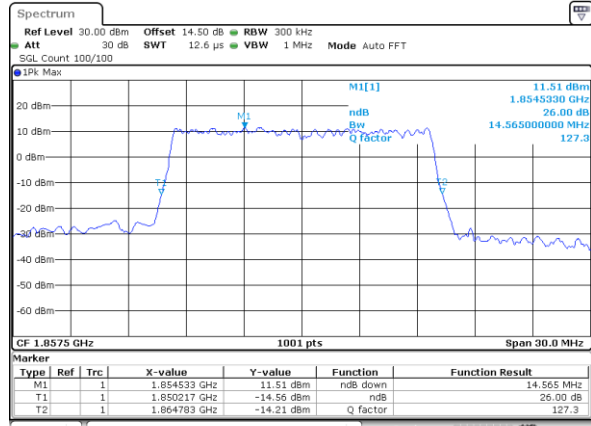
LTE Band 2

Lowest Channel / 15MHz / QPSK



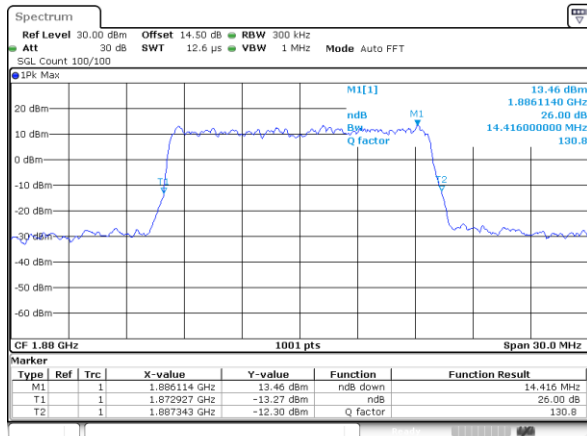
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Lowest Channel / 15MHz / 16QAM



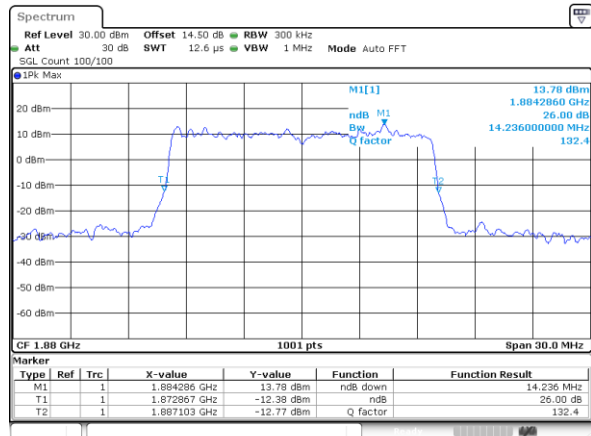
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Middle Channel / 15MHz / QPSK



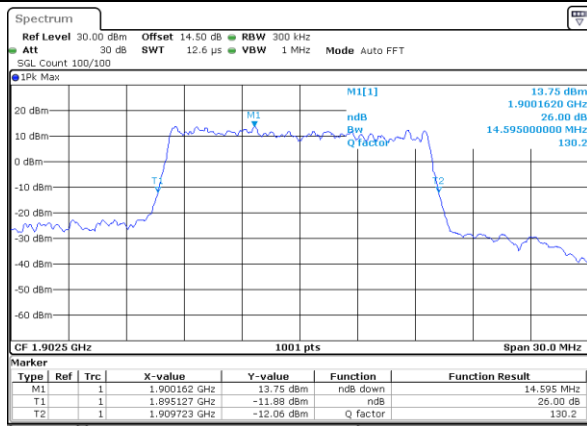
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Middle Channel / 15MHz / 16QAM



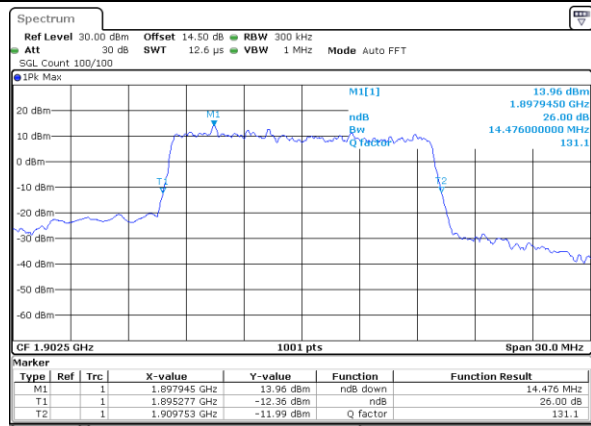
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Highest Channel / 15MHz / QPSK



Date: 7,JUL,2017 11:59:30

Highest Channel / 15MHz / 16QAM



Date: 7,JUL,2017 11:59:40