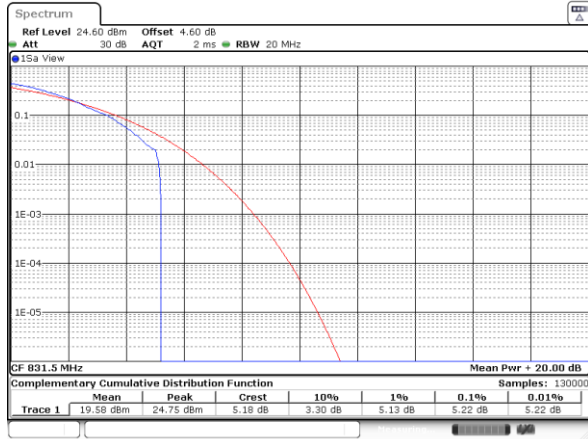


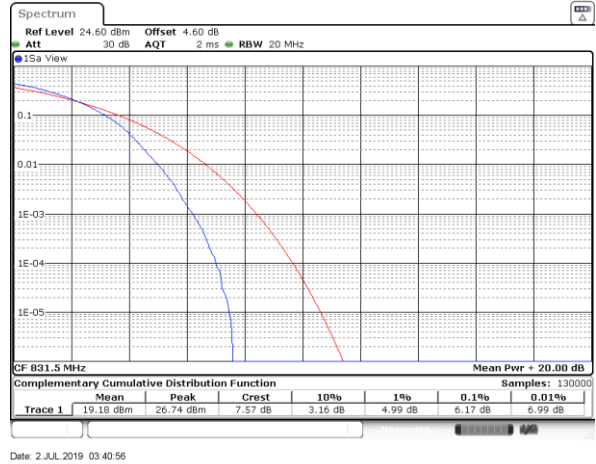


LTE Band 26 / 15MHz / 64QAM

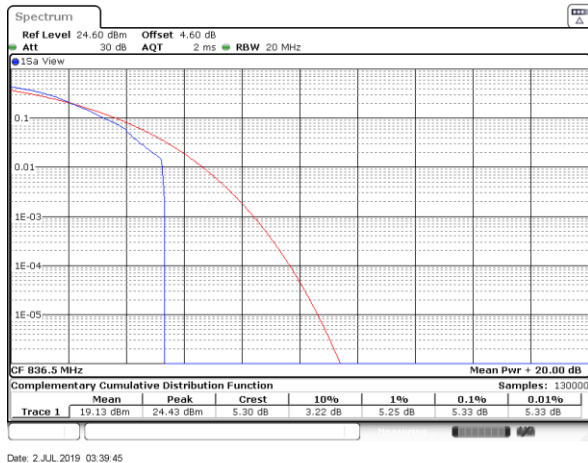
Lowest Channel / 1RB



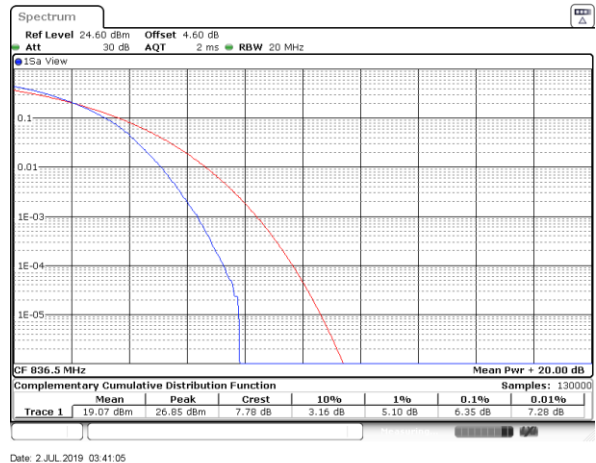
Lowest Channel / Full RB



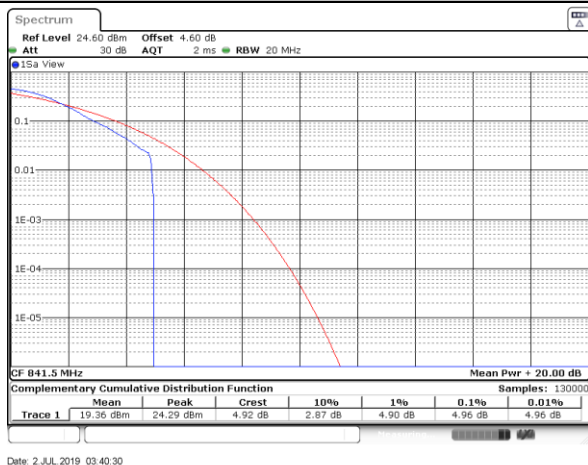
Middle Channel / 1RB



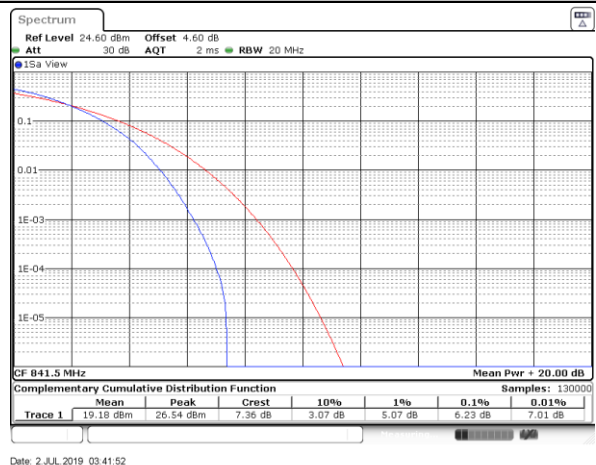
Middle Channel / Full RB

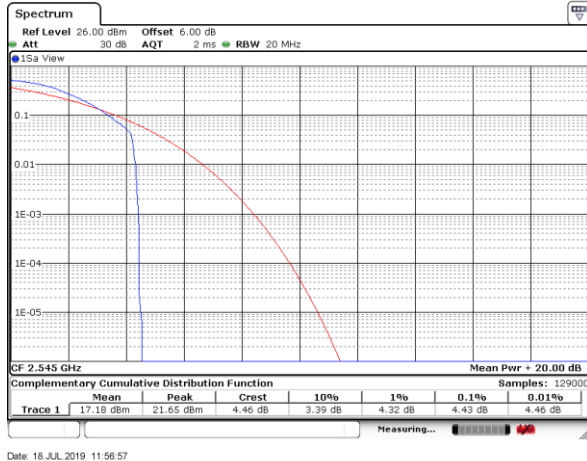
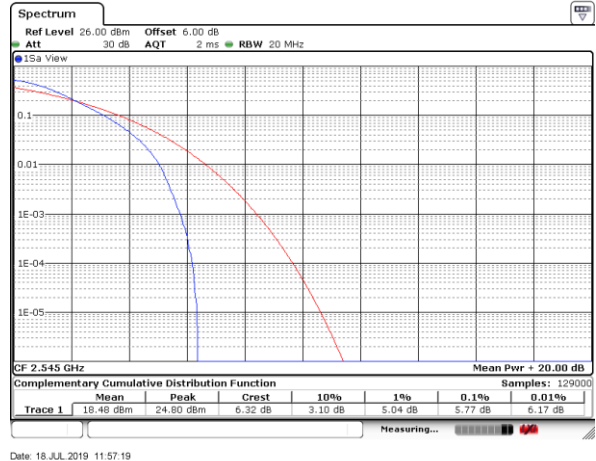
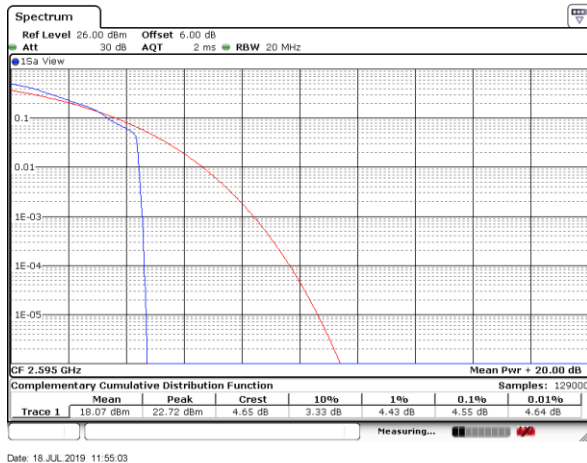
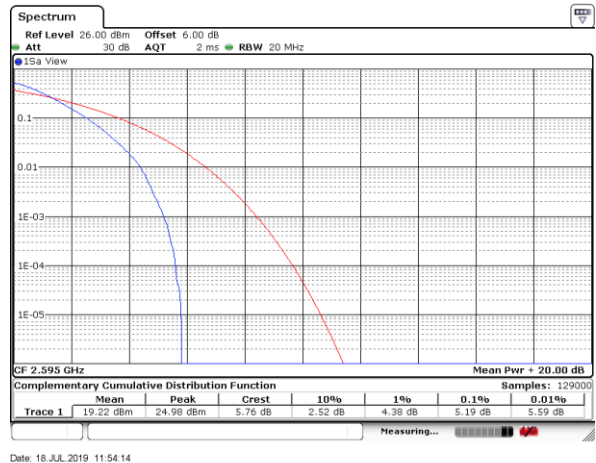
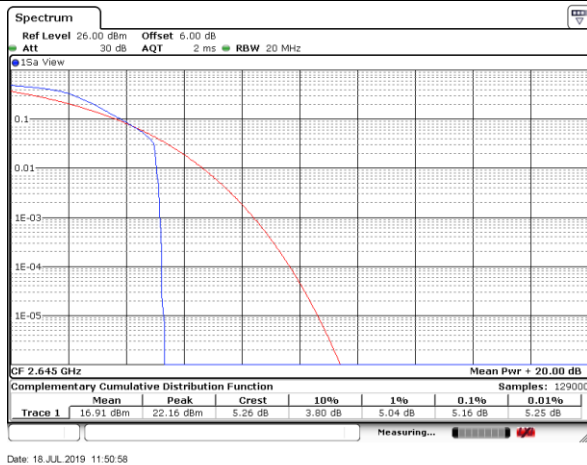
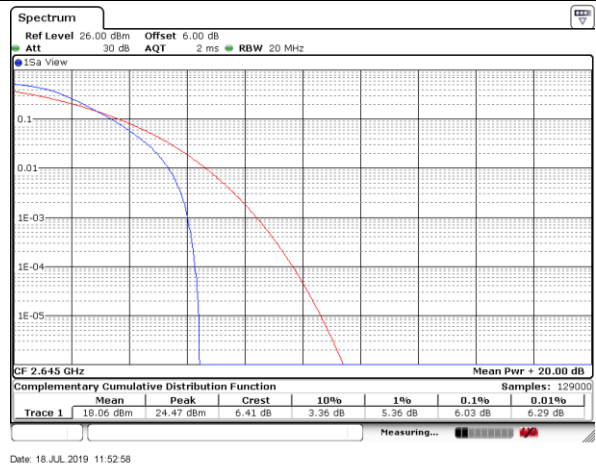


Highest Channel / 1RB



Highest Channel / Full RB

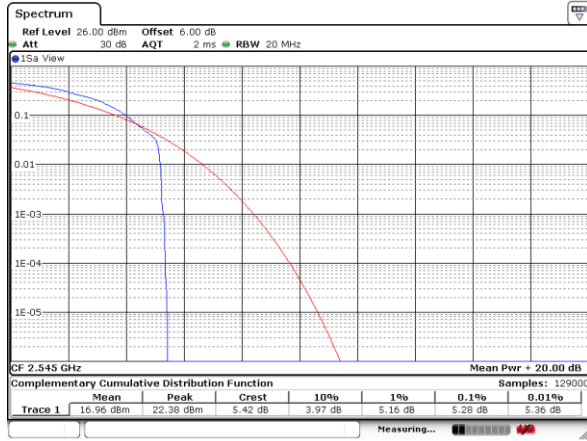


LTE Band 41 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


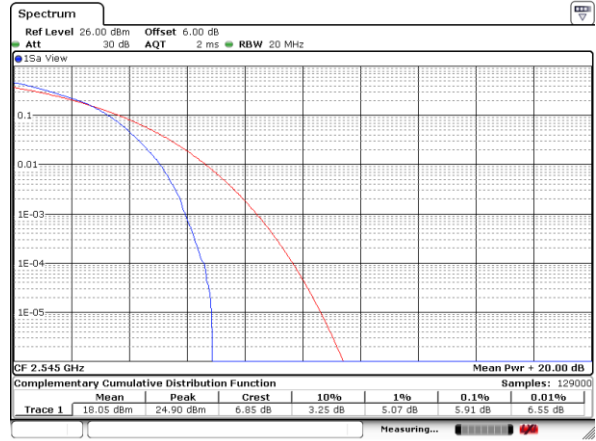


LTE Band 41 / 20MHz / 16QAM

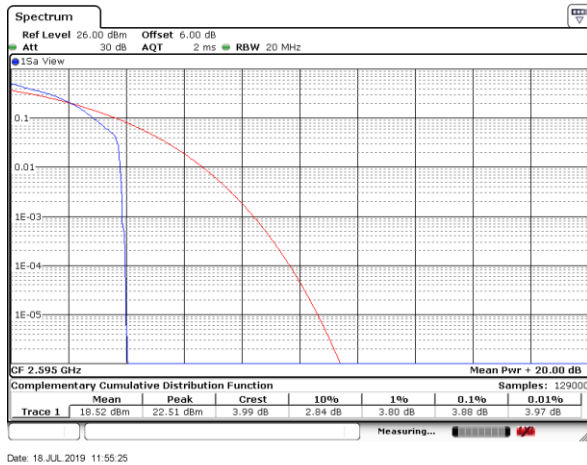
Lowest Channel / 1RB



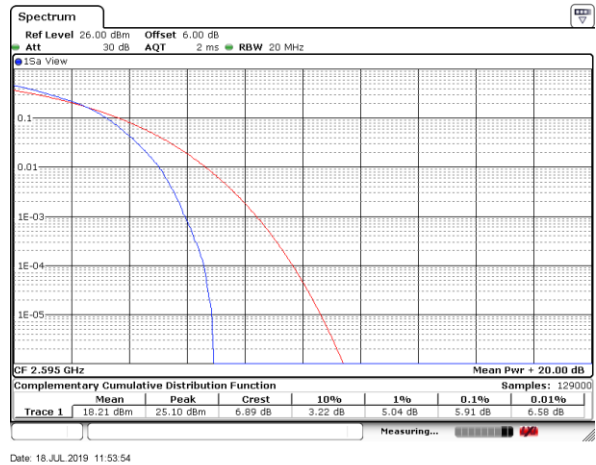
Lowest Channel / Full RB



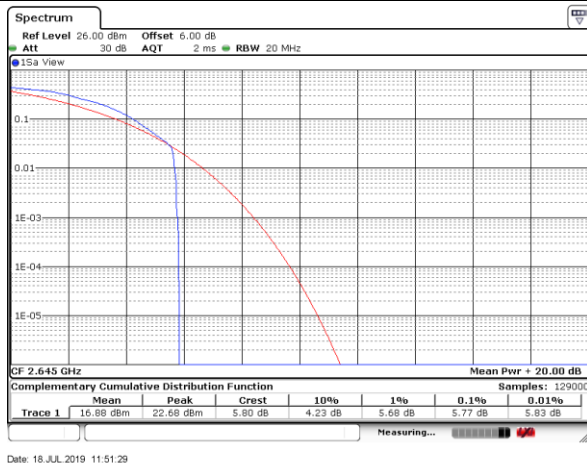
Middle Channel / 1RB



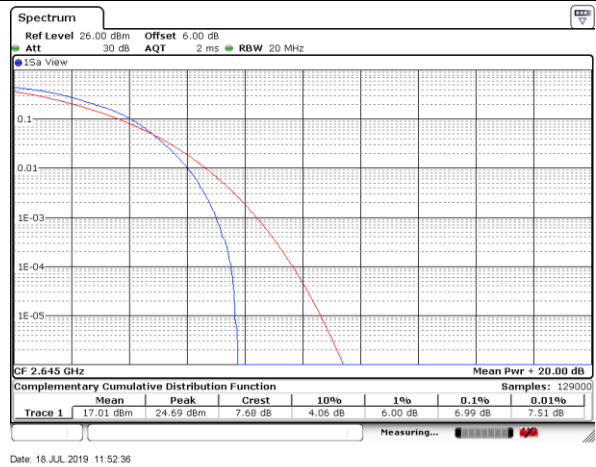
Middle Channel / Full RB



Highest Channel / 1RB



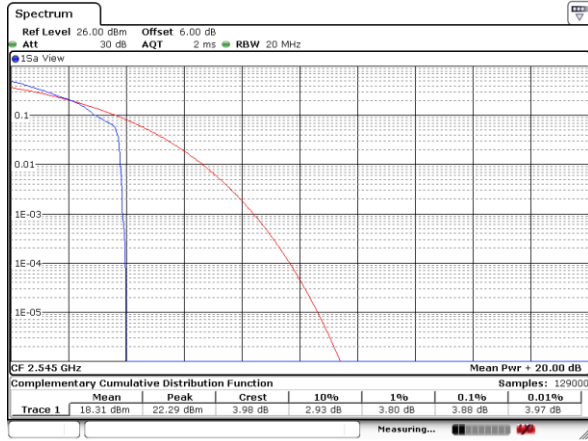
Highest Channel / Full RB



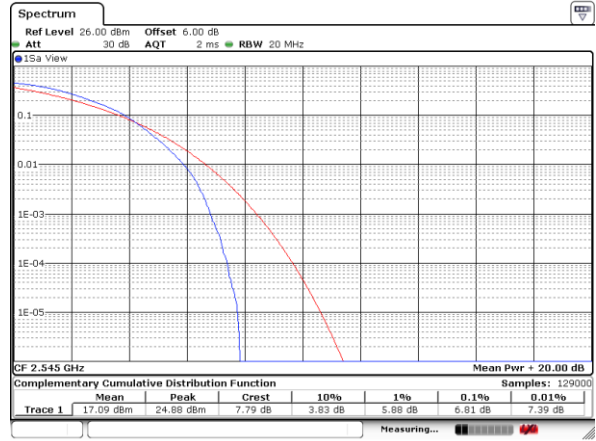


LTE Band 41 / 20MHz / 64QAM

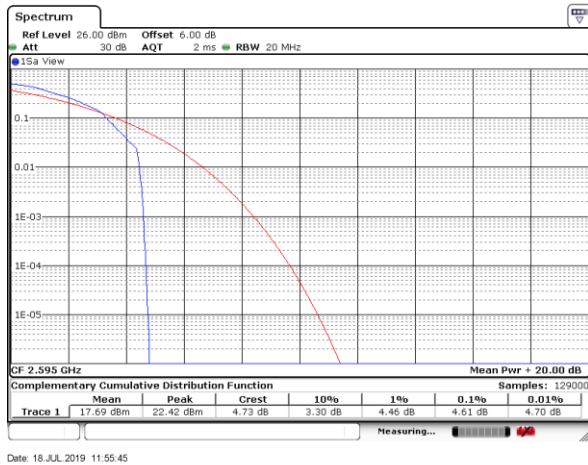
Lowest Channel / 1RB



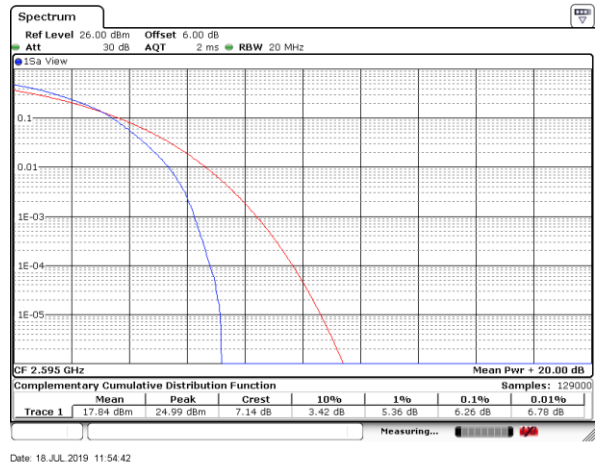
Lowest Channel / Full RB



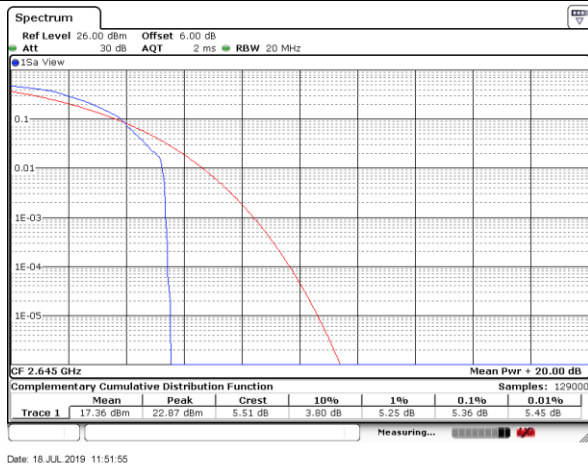
Middle Channel / 1RB



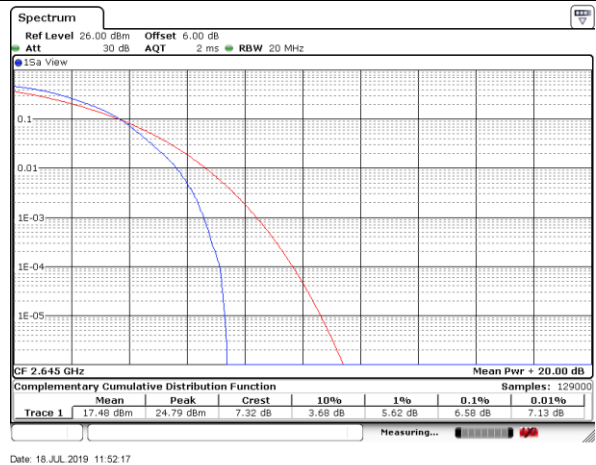
Middle Channel / Full RB

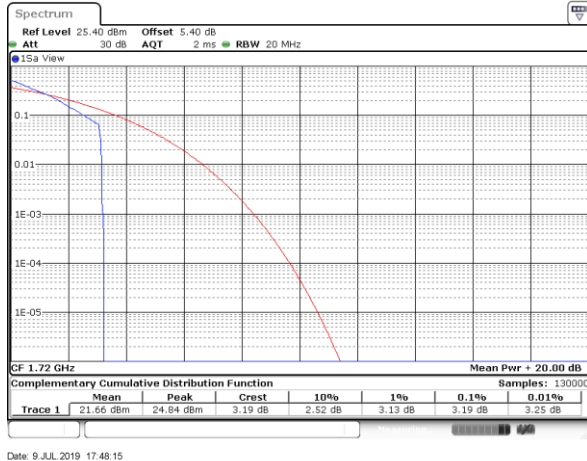
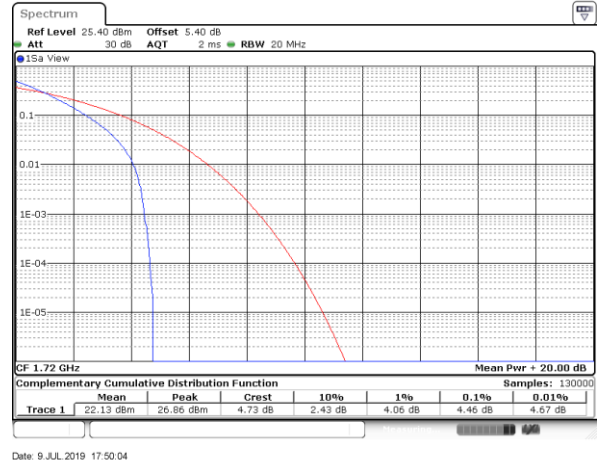
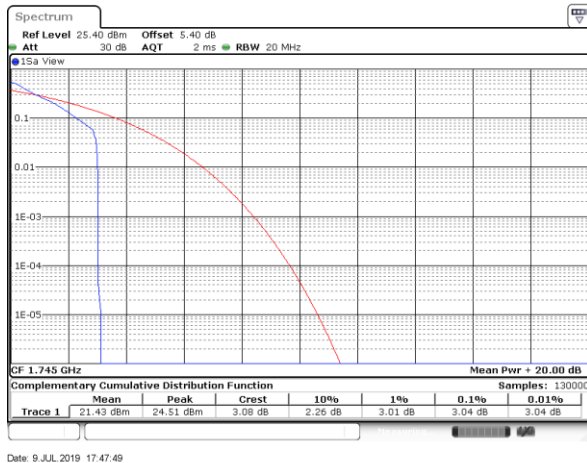
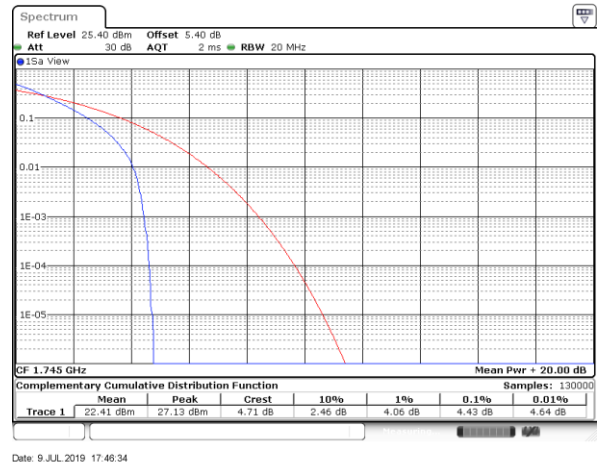
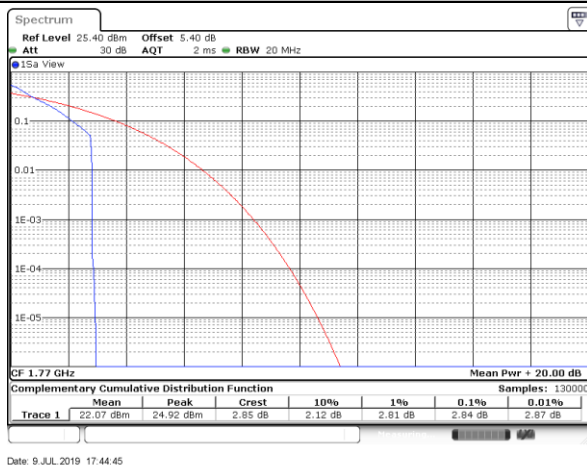
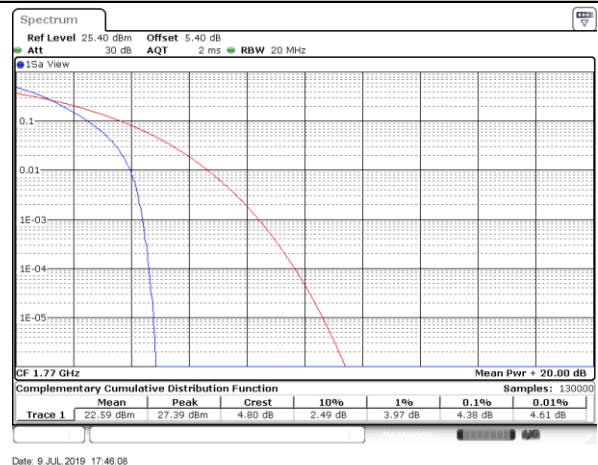


Highest Channel / 1RB



Highest Channel / Full RB

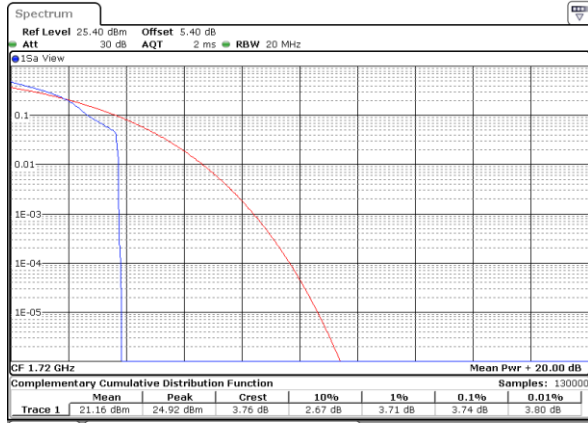


LTE Band 66 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


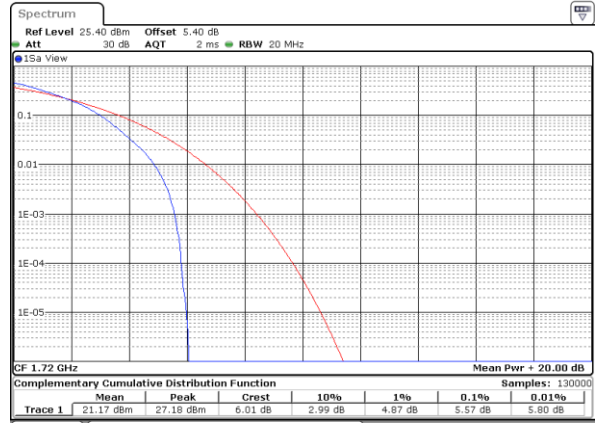


LTE Band 66 / 20MHz / 16QAM

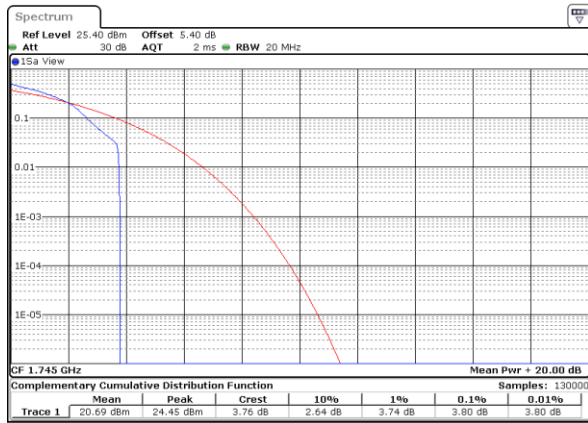
Lowest Channel / 1RB



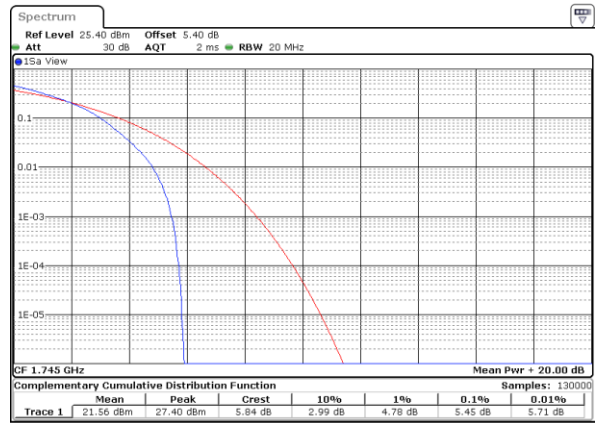
Lowest Channel / Full RB



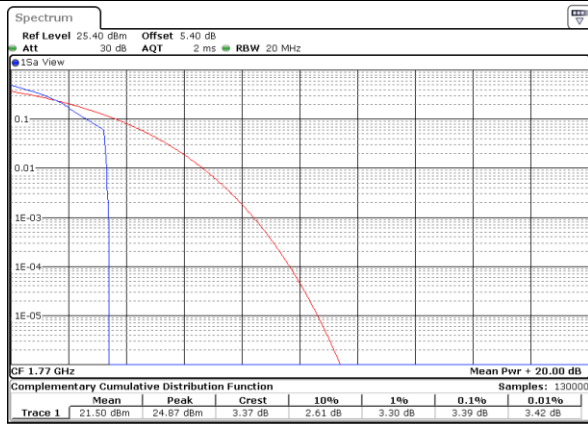
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



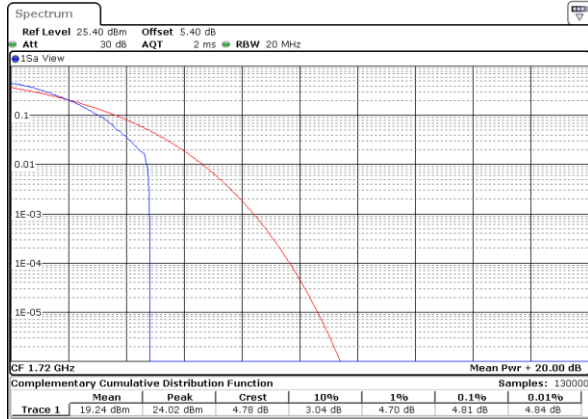
Highest Channel / Full RB





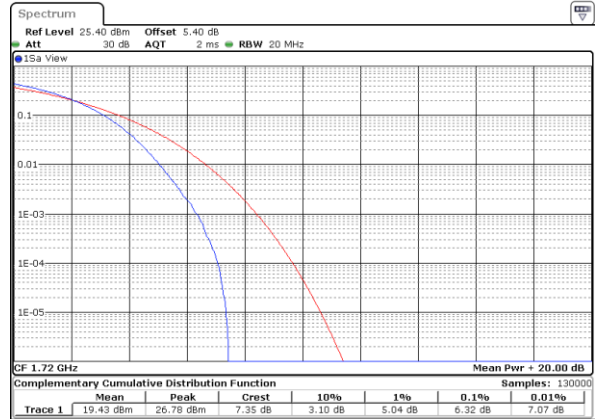
LTE Band 66 / 20MHz / 64QAM

Lowest Channel / 1RB



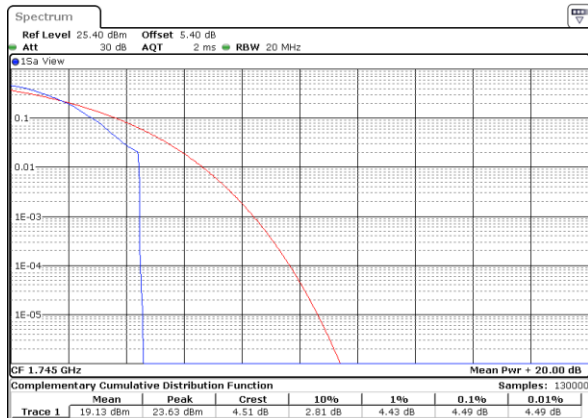
Date: 9 JUL 2019 17:49:20

Lowest Channel / Full RB



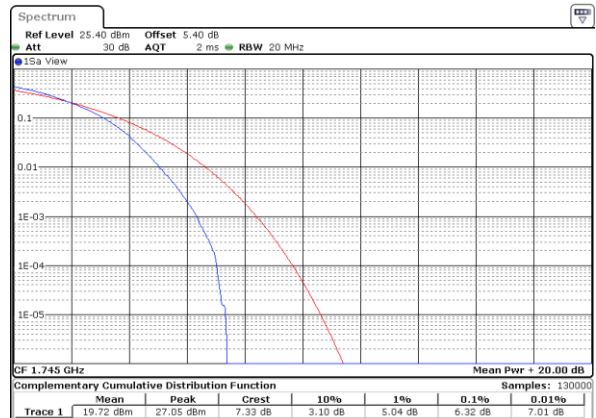
Date: 9 JUL 2019 17:49:39

Middle Channel / 1RB



Date: 9 JUL 2019 17:47:21

Middle Channel / Full RB



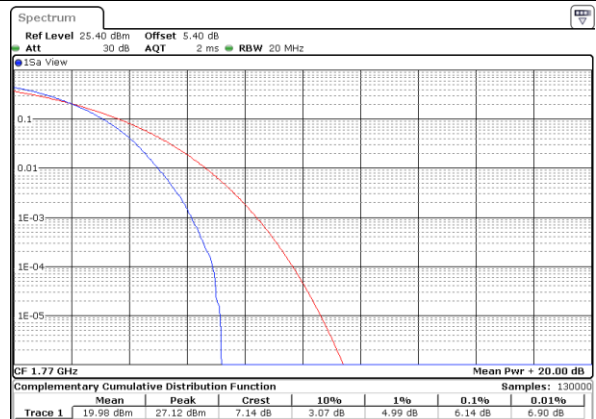
Date: 9 JUL 2019 17:47:08

Highest Channel / 1RB



Date: 9 JUL 2019 17:45:22

Highest Channel / Full RB

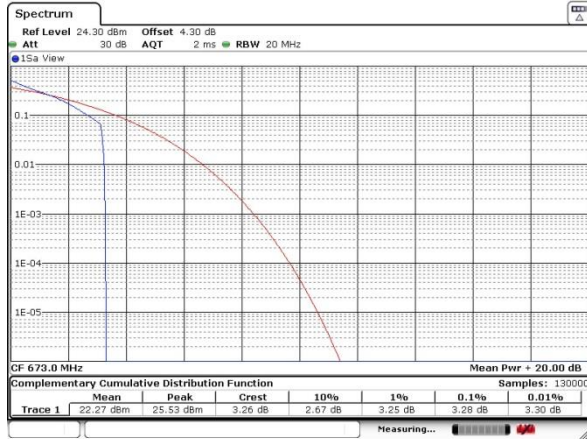


Date: 9 JUL 2019 17:45:41

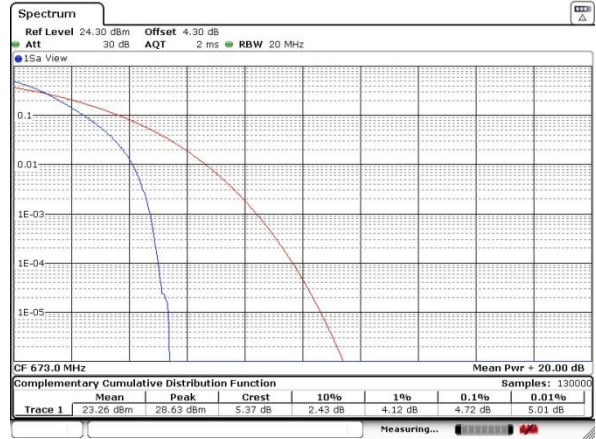


LTE Band 71 / 20MHz / QPSK

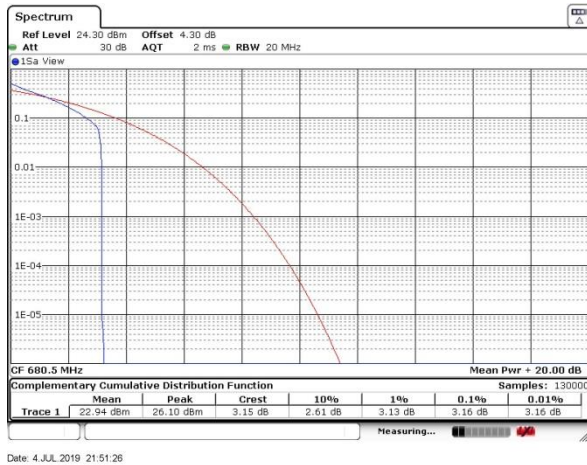
Lowest Channel / 1RB



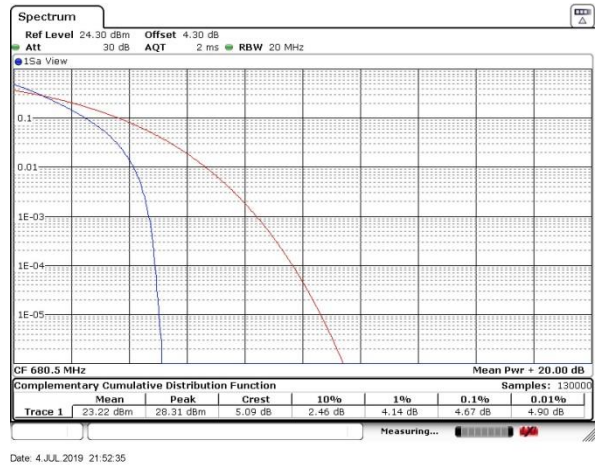
Lowest Channel / Full RB



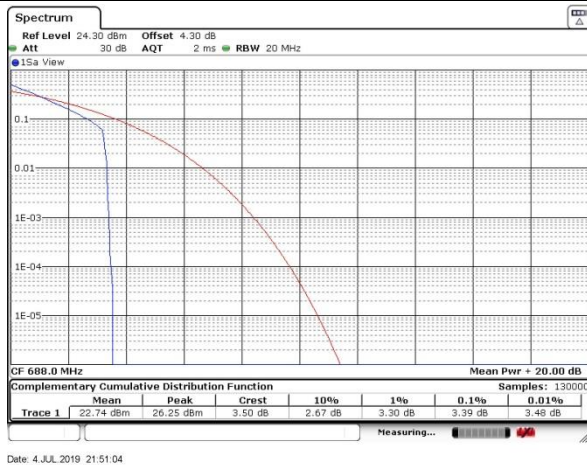
Middle Channel / 1RB



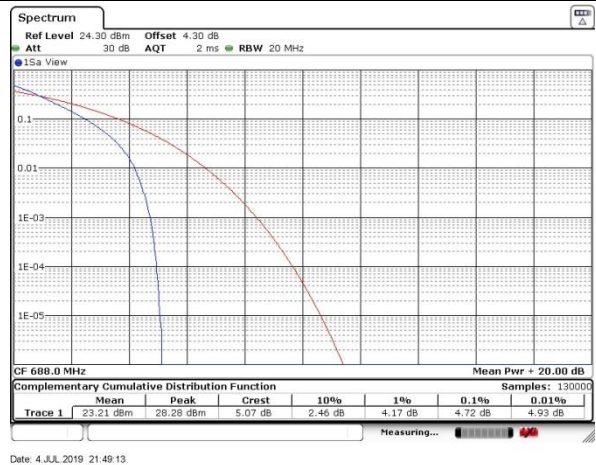
Middle Channel / Full RB



Highest Channel / 1RB



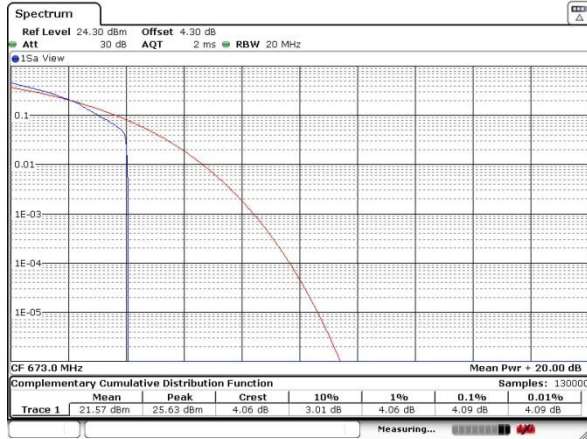
Highest Channel / Full RB



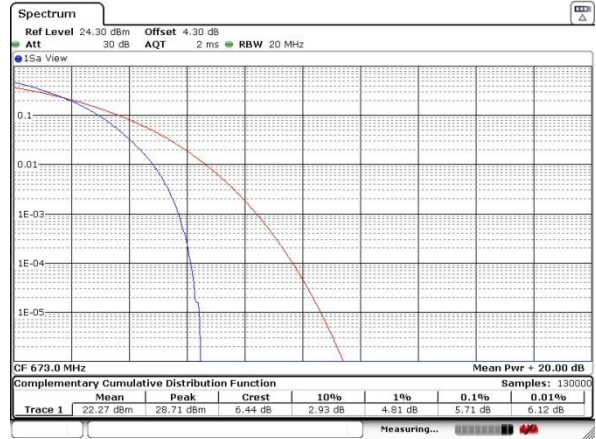


LTE Band 71 / 20MHz / 16QAM

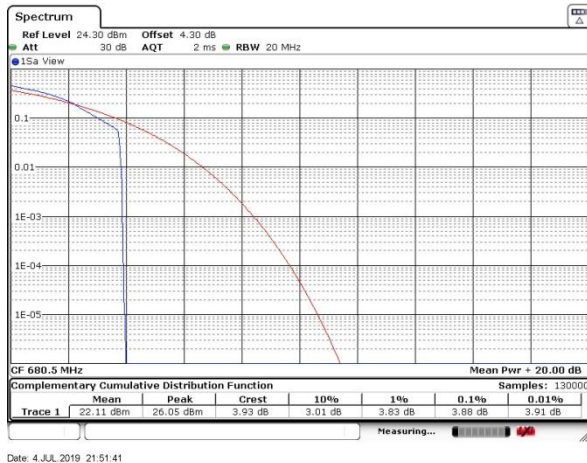
Lowest Channel / 1RB



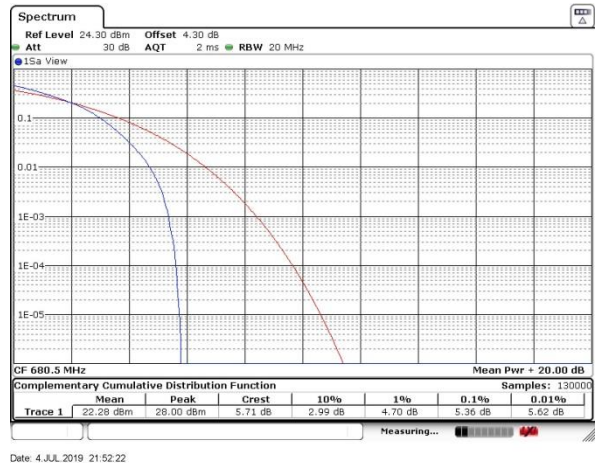
Lowest Channel / Full RB



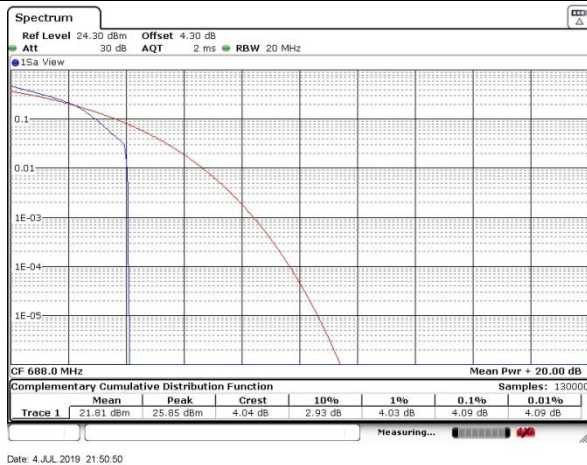
Middle Channel / 1RB



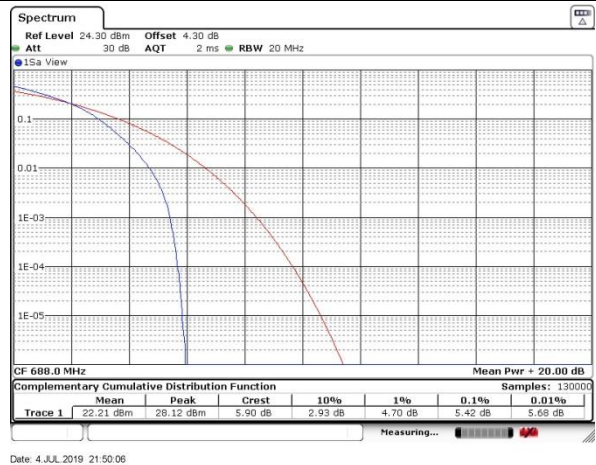
Middle Channel / Full RB



Highest Channel / 1RB



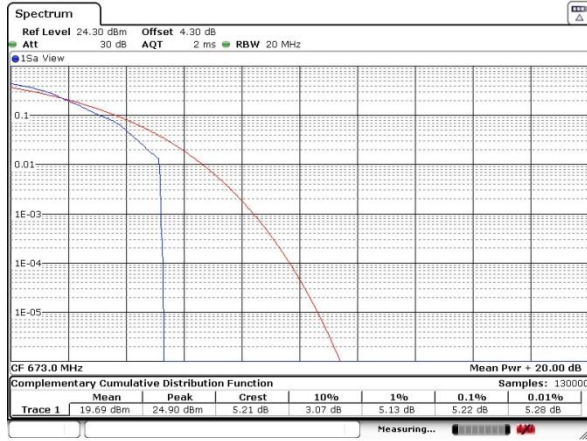
Highest Channel / Full RB



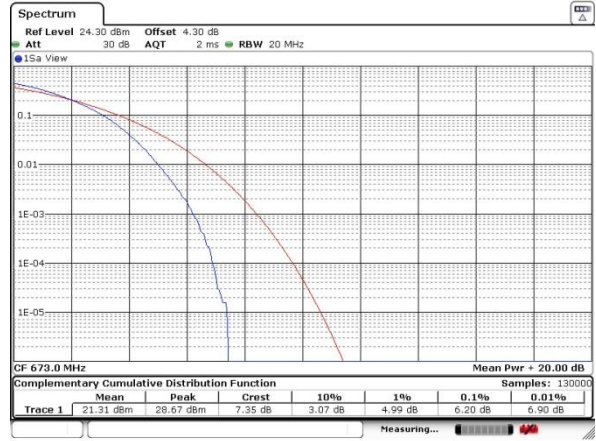


LTE Band 71 / 20MHz / 64QAM

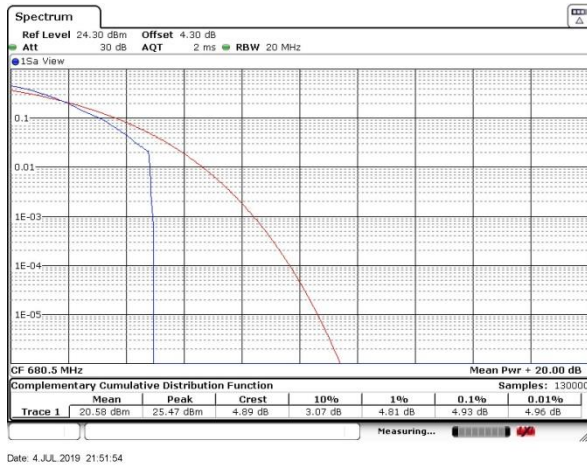
Lowest Channel / 1RB



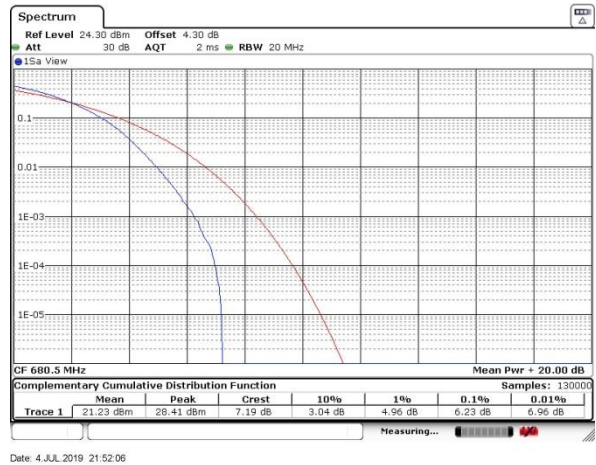
Lowest Channel / Full RB



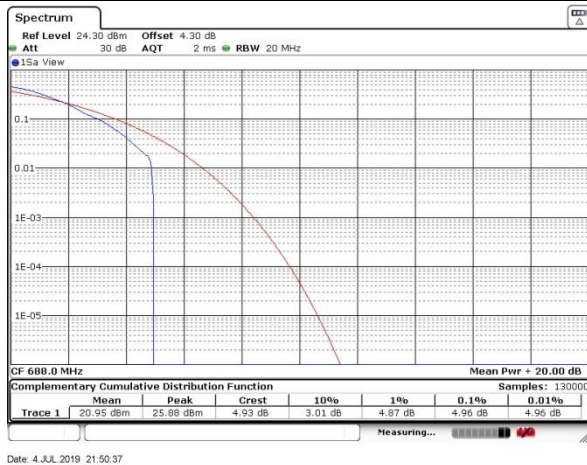
Middle Channel / 1RB



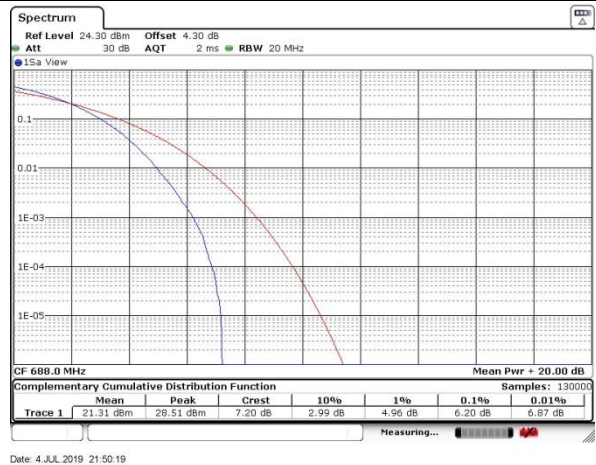
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.885	4.825	9.69	9.65	14.595	14.565	20.26	20.14
Middle CH					4.885	4.905	9.69	9.71	14.865	14.535	20.3	20.3
Highest CH					4.845	4.895	9.65	9.85	14.206	14.326	20.22	20.26
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.845		9.73		14.416		20.26	
Middle CH					4.865		9.63		14.505		20.34	
Highest CH					4.945		9.89		14.625		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	1.231	1.228	3.021	2.943	4.905	4.885	9.77	9.79				
Middle CH	1.236	1.231	2.997	3.027	4.915	4.845	9.67	9.95				
Highest CH	1.239	1.225	3.021	3.045	4.845	4.845	9.73	9.91				
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	1.222		3.039		4.895		9.81					
Middle CH	1.222		3.033		4.955		9.73					
Highest CH	1.245		3.003		4.895		9.73					



Mode	LTE Band 13 : 26dB BW(MHz)											
BW					5MHz		10MHz					
Mod.					QPSK	16QAM	QPSK	16QAM				
Lowest CH					4.975	4.945						
Middle CH					4.905	4.995	9.67	9.73				
Highest CH					4.965	4.885						
Mode	LTE Band 13 : 26dB BW(MHz)											
BW					5MHz		10MHz					
Mod.					64QAM		64QAM					
Lowest CH					4.945							
Middle CH					4.845		9.91					
Highest CH					4.855							

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	1.231	1.236	3.039	3.063	4.895	4.895	9.75	9.77	14.565	14.535	20.1	20.1
Middle CH	1.231	1.222	3.063	3.021	4.925	4.955	9.87	9.87	14.416	14.595	20.18	20.26
Highest CH	1.234	1.225	3.015	3.033	4.925	4.885	9.85	9.83	14.176	14.446	20.1	20.18
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.208		2.991		4.795		9.95		14.386		20.26	
Middle CH	1.214		2.931		4.895		9.77		14.266		20.18	
Highest CH	1.222		3.009		4.805		9.87		14.296		20.26	

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.222	1.231	3.039	3.009	4.905	4.935	9.85	9.81	14.416	14.266		
Middle CH	1.206	1.231	3.021	3.033	4.945	4.885	9.89	9.81	14.236	14.476		
Highest CH	1.222	1.231	3.003	3.051	4.975	4.915	9.75	9.95	14.296	14.266		
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM			
Lowest CH	1.22		2.967		4.905		9.77		14.416			
Middle CH	1.22		3.033		4.905		9.71		14.326			
Highest CH	1.22		3.021		4.775		9.79		14.206			



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					4.89	4.89	9.75	9.63	14.33	14.24	20.14	20.22
Middle CH					4.88	4.81	9.81	9.67	14.33	14.45	20.18	20.26
Highest CH					4.93	4.84	9.81	9.81	14.27	14.12	20.14	20.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.92		9.71		14.12		20.22	
Middle CH					4.88		9.75		14.21		20.34	
Highest CH					4.85		9.73		14.24		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	1.24	1.22	3.06	3.05	4.88	4.92	9.81	9.73	14.15	14.27	20.26	20.06
Middle CH	1.23	1.23	3.01	3.05	4.89	4.80	9.73	9.91	14.45	14.39	20.18	20.30
Highest CH	1.22	1.23	3.05	2.99	4.91	4.86	9.65	9.63	14.48	14.33	20.26	20.26
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23		3.02		4.88		9.91		14.57		20.18	
Middle CH	1.21		3.00		4.82		9.79		14.48		20.10	
Highest CH	1.21		3.00		4.90		9.81		14.42		20.18	

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.975	4.885	10.03	9.81	14.446	14.326	20.34	20.06	4.845	9.65	14.416	20.18
Middle CH	4.875	4.935	9.67	9.65	14.266	14.446	20.14	20.1	4.865	9.89	14.266	20.1
Highest CH	4.885	4.935	9.79	9.77	14.505	14.356	20.38	20.5	4.895	9.71	14.505	20.06



For CA

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz		15MHz+10MHz	15MHz+15MHz
Lowest CH	29.850000		25.225000	30.390000
Middle CH	30.030000		25.125000	30.509000
Highest CH	29.850000		25.175000	30.509000
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825000	30.090000	34.965000	39.800000
Middle CH	34.965000	29.970000	34.825000	39.800000
Highest CH	34.825000	30.030000	34.895000	39.880000

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz		15MHz+10MHz	15MHz+15MHz
Lowest CH	29.910000		25.225000	30.509000
Middle CH	29.790000		25.375000	30.509000
Highest CH	29.730000		25.325000	30.390000
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895000	29.970000	35.035000	39.960000
Middle CH	34.755000	30.330000	34.895000	39.640000
Highest CH	34.895000	30.210000	34.825000	39.720000

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.910000		25.375000	30.569000
Middle CH	29.910000		25.175000	30.509000
Highest CH	29.670000		25.175000	30.569000
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895000	30.210000	34.965000	39.800000
Middle CH	34.895000	30.030000	34.895000	39.800000
Highest CH	34.965000	30.030000	34.825000	39.720000



Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	25.175	25.475	30.090	25.574	30.749
Middle CH	25.025	25.524	30.090	25.624	30.749
Highest CH	25.225	25.425	30.090	25.524	30.629
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.965	25.175	30.210	35.175	39.88
Middle CH	35.105	25.275	30.270	35.175	40.04
Highest CH	34.895	25.325	30.210	35.175	40.12

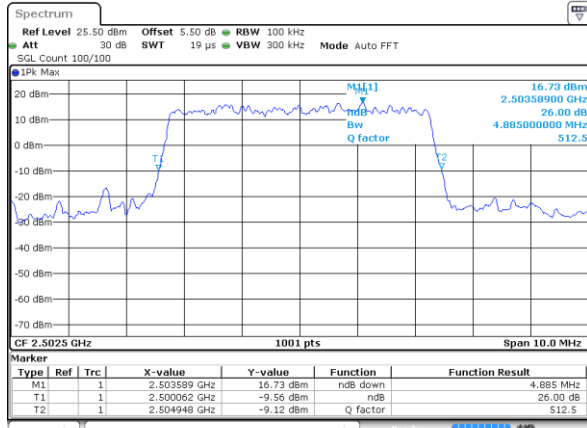
Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.975	25.375	30.030	25.524	30.569
Middle CH	25.025	25.425	29.970	25.475	30.689
Highest CH	25.075	25.475	30.030	25.375	30.749
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.105	25.175	30.030	35.035	39.960
Middle CH	35.035	25.175	30.210	35.105	40.040
Highest CH	34.965	25.175	30.270	35.035	39.960

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.975	25.375	29.97	25.375	30.689
Middle CH	24.975	25.375	30.03	25.475	30.569
Highest CH	24.975	25.275	30.27	25.524	30.869
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.035	25.125	30.15	35.105	39.88
Middle CH	35.035	25.175	30.21	35.105	39.96
Highest CH	34.895	25.125	30.03	35.035	40.04



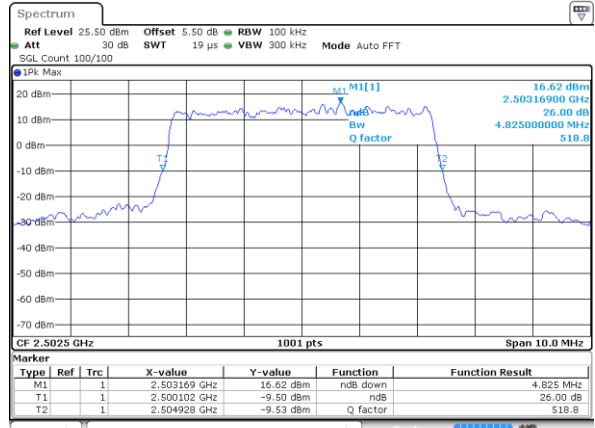
LTE Band 7

Lowest Channel / 5MHz / QPSK



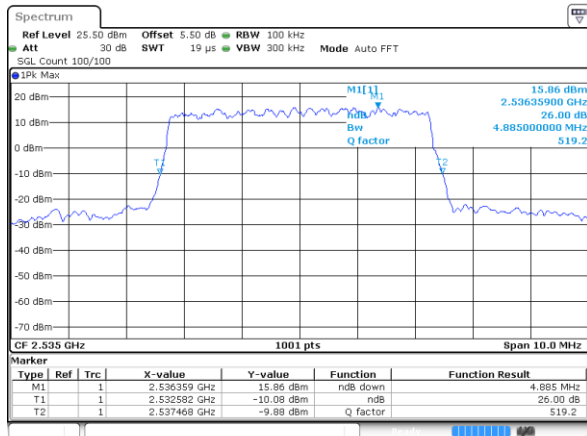
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Lowest Channel / 5MHz / 16QAM



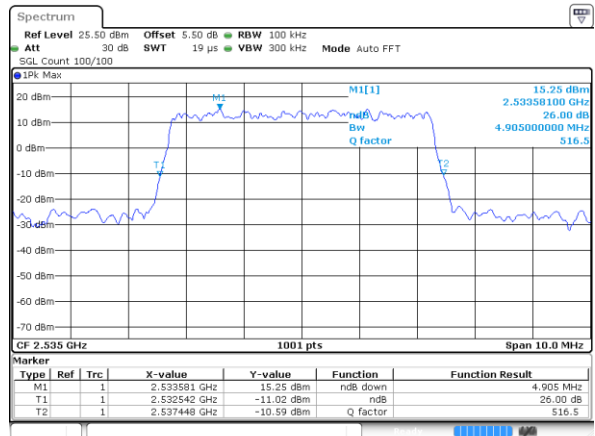
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Middle Channel / 5MHz / QPSK



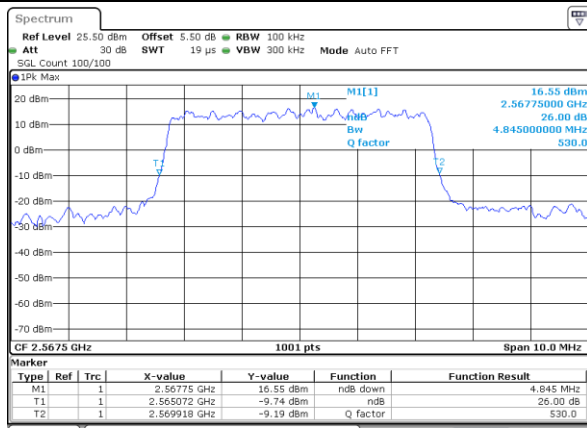
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Middle Channel / 5MHz / 16QAM



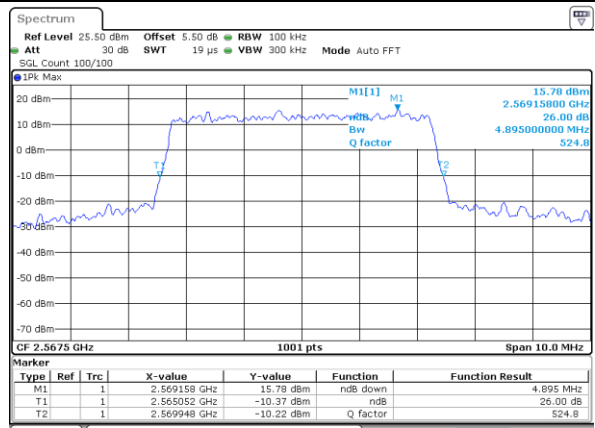
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Highest Channel / 5MHz / QPSK



Date: 28 JUN 2019 01:57:31

Highest Channel / 5MHz / 16QAM

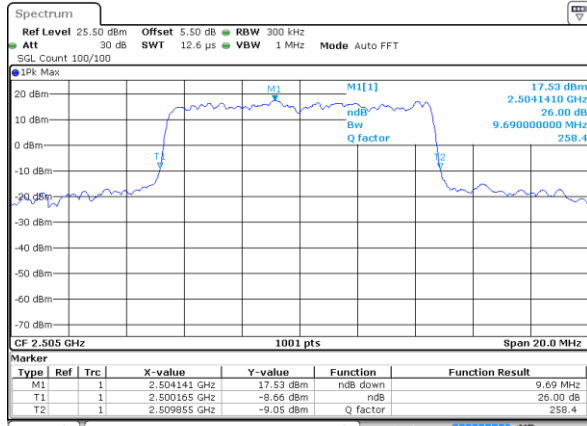


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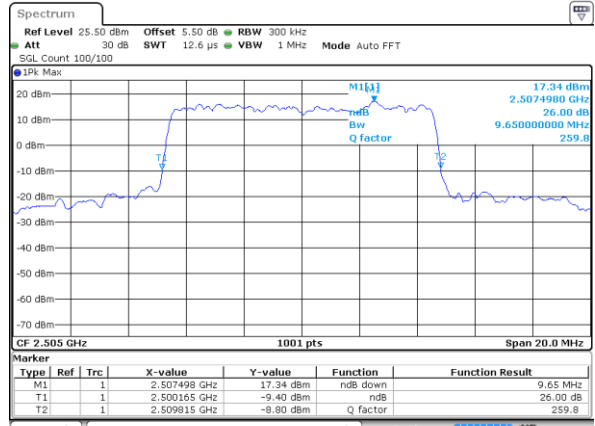
LTE Band 7

Lowest Channel / 10MHz / QPSK



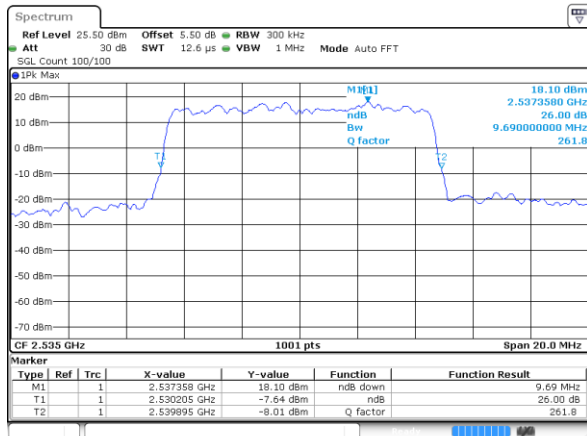
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Lowest Channel / 10MHz / 16QAM



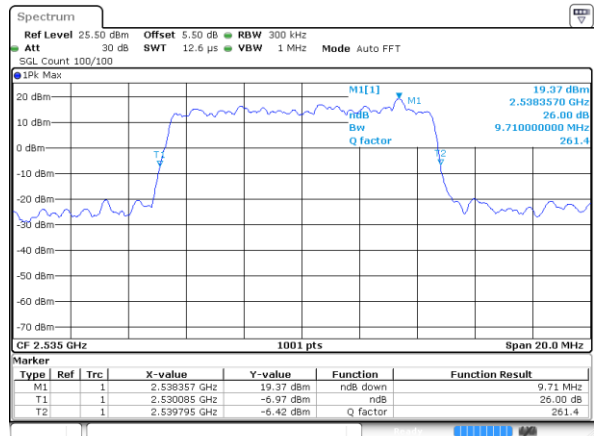
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Middle Channel / 10MHz / QPSK



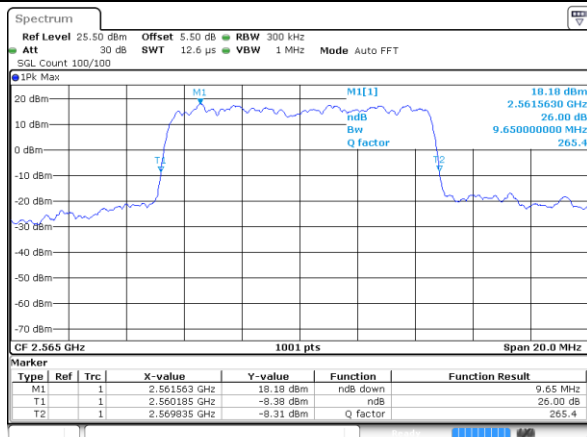
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Middle Channel / 10MHz / 16QAM



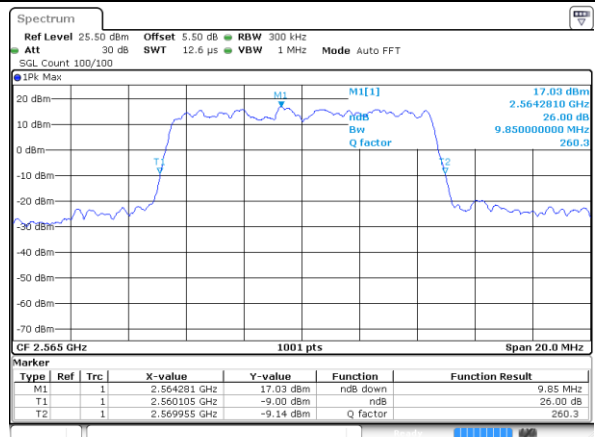
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Highest Channel / 10MHz / QPSK



Date: 28 JUN 2019 02:14:02

Highest Channel / 10MHz / 16QAM

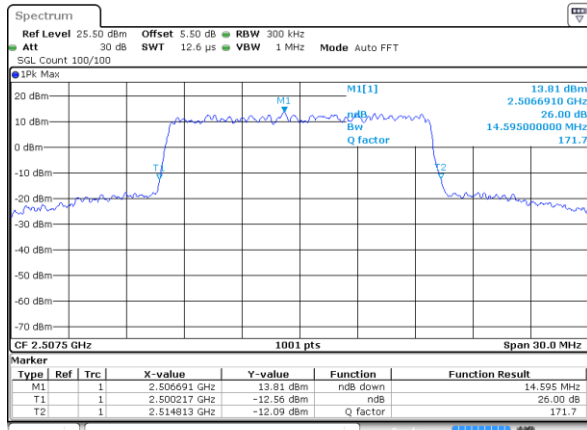


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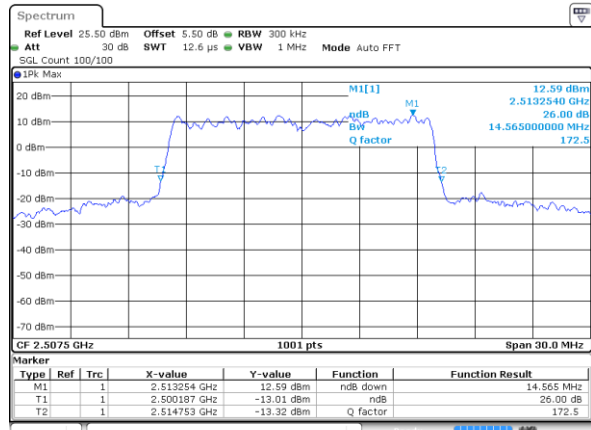
LTE Band 7

Lowest Channel / 15MHz / QPSK



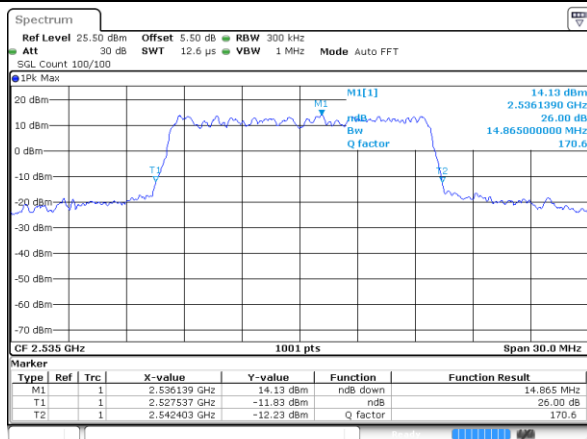
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Lowest Channel / 15MHz / 16QAM



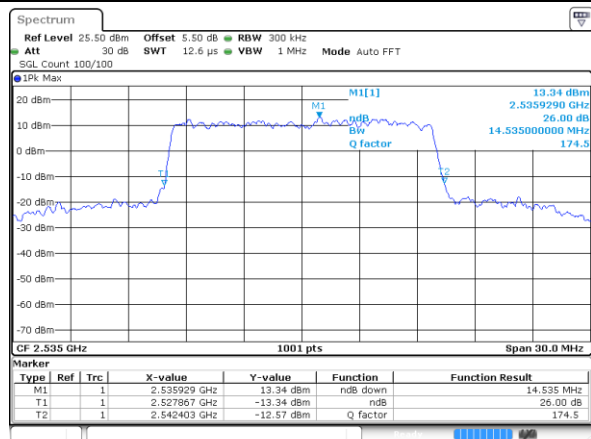
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Middle Channel / 15MHz / QPSK



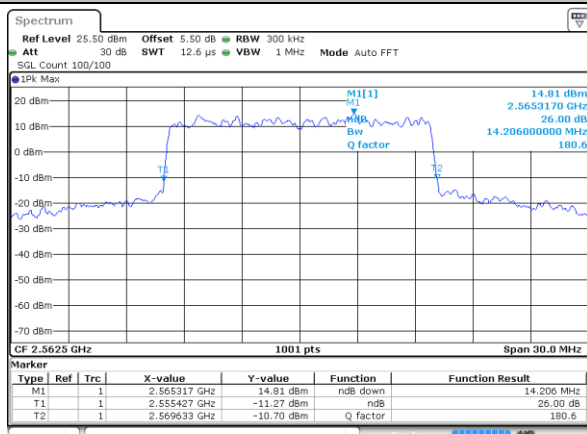
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Middle Channel / 15MHz / 16QAM



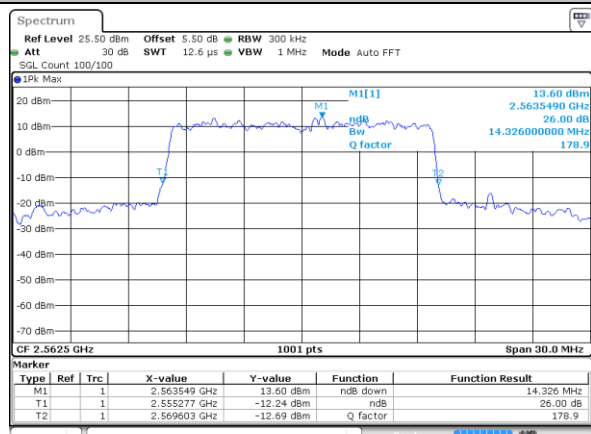
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Highest Channel / 15MHz / QPSK



Date: 28 JUN 2019 02:30:51

Highest Channel / 15MHz / 16QAM

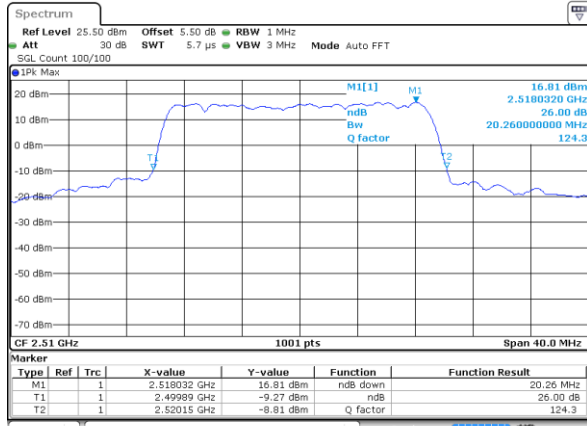


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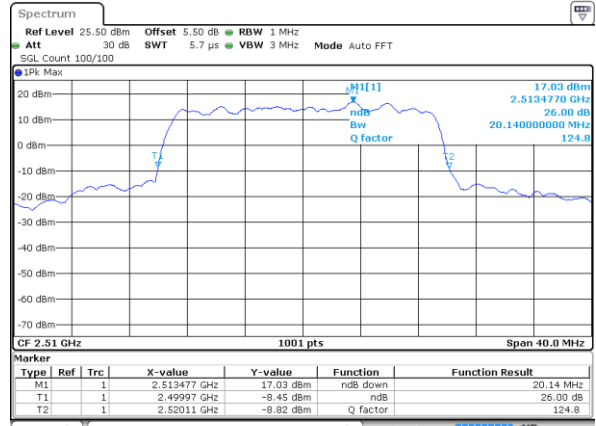


LTE Band 7

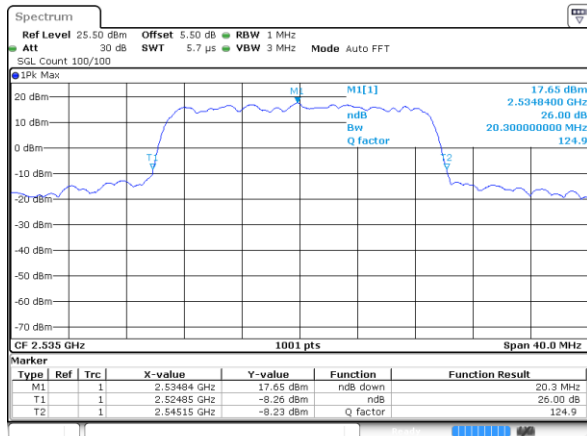
Lowest Channel / 20MHz / QPSK



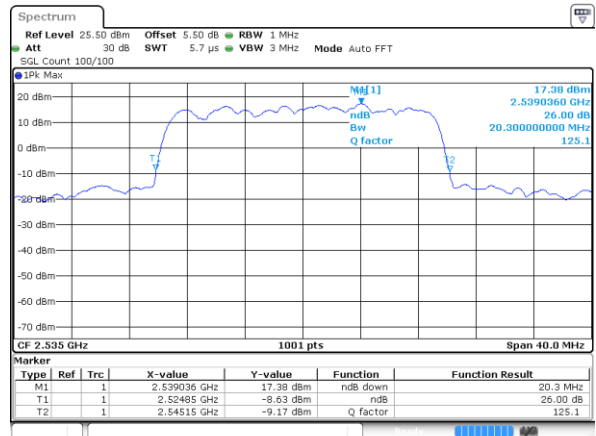
Lowest Channel / 20MHz / 16QAM



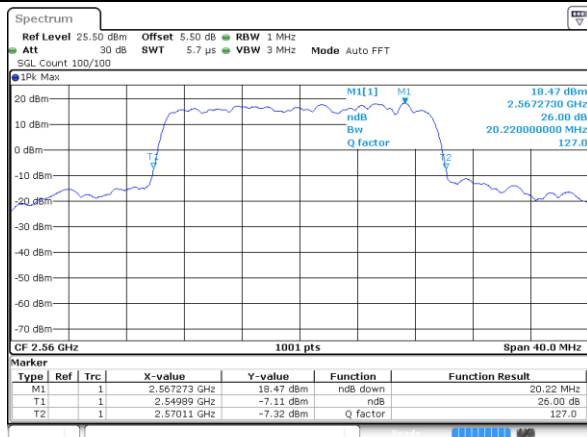
Middle Channel / 20MHz / QPSK



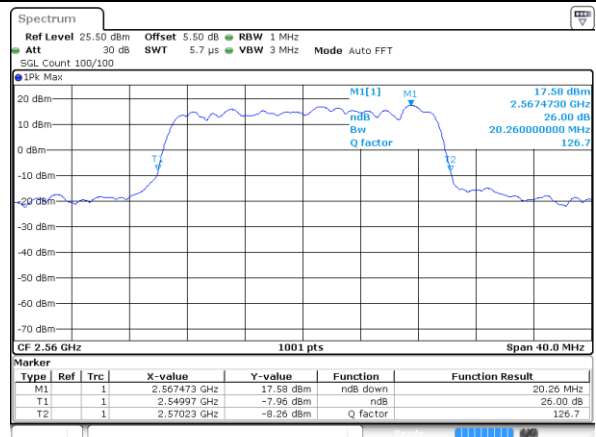
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



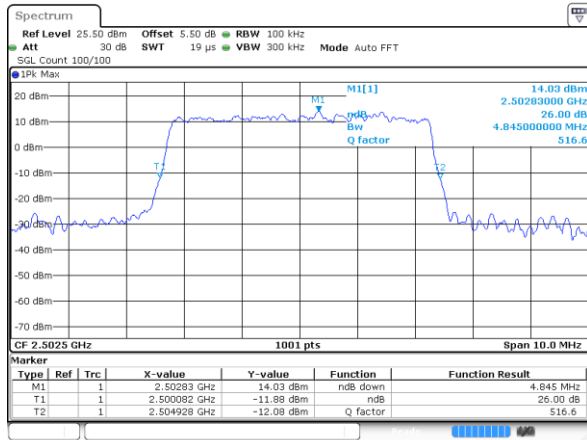
Highest Channel / 20MHz / 16QAM





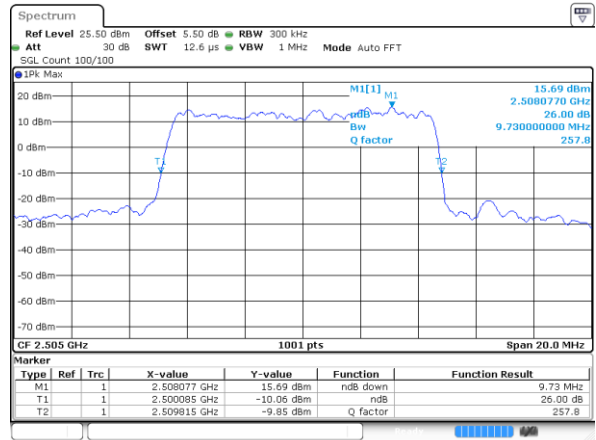
LTE Band 7

Lowest Channel / 5MHz / 64QAM



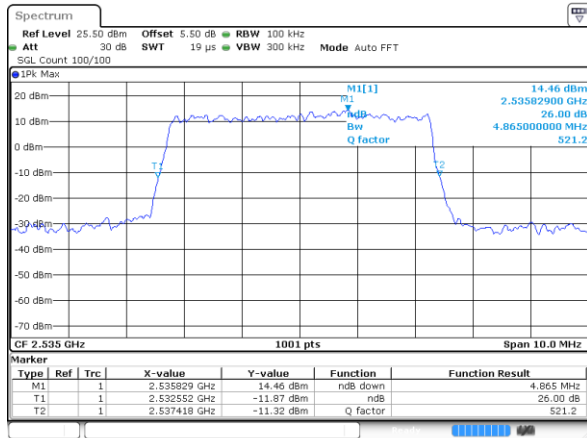
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Lowest Channel / 10MHz / 64QAM



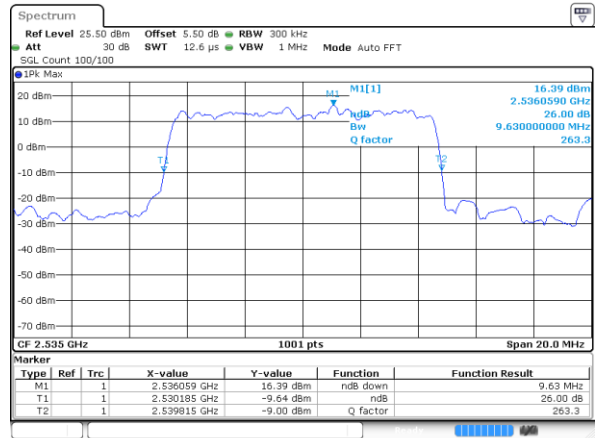
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Middle Channel / 5MHz / 64QAM



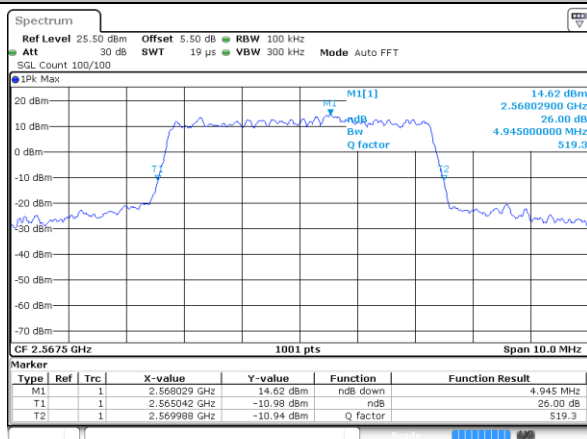
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Middle Channel / 10MHz / 64QAM



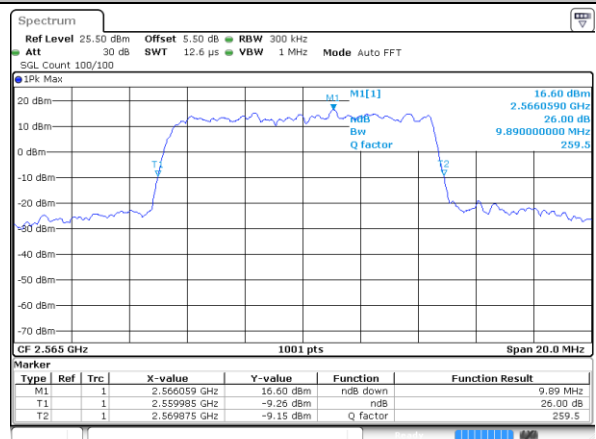
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Highest Channel / 5MHz / 64QAM



Date: 28 JUN 2019 03:02:53

Highest Channel / 10MHz / 64QAM

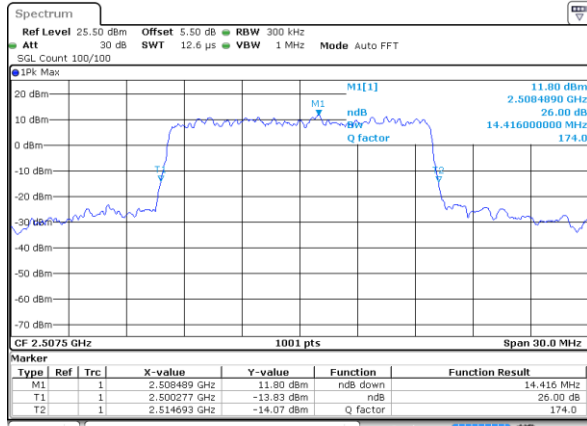


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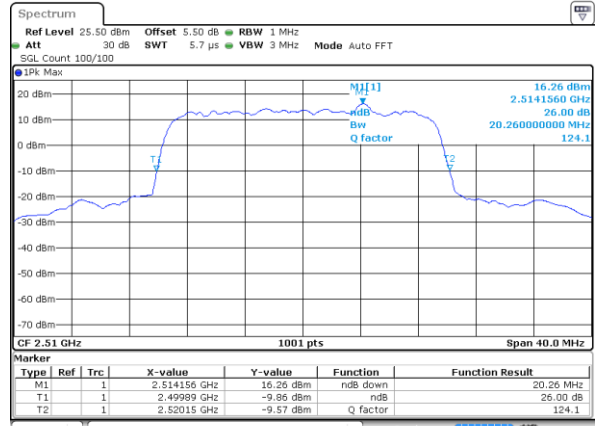


LTE Band 7

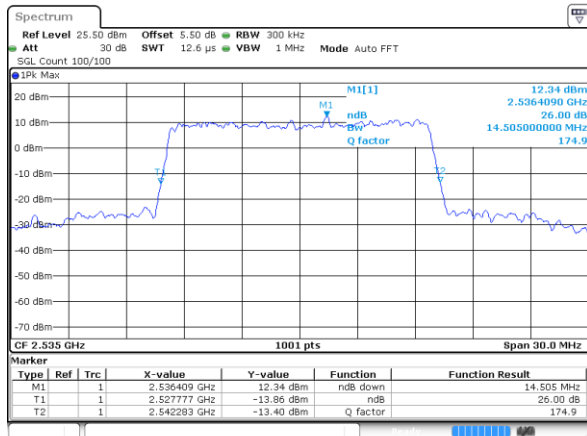
Lowest Channel / 15MHz / 64QAM



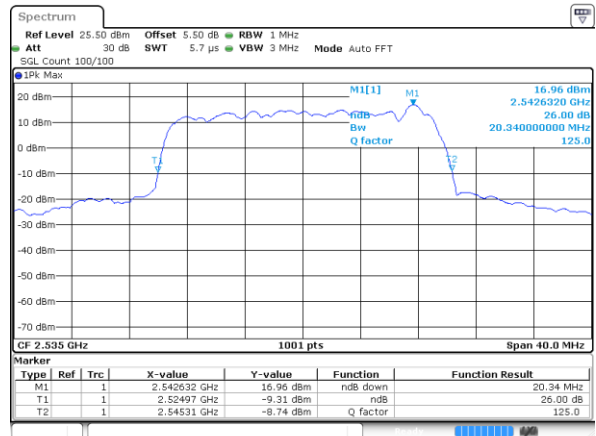
Lowest Channel / 20MHz / 64QAM



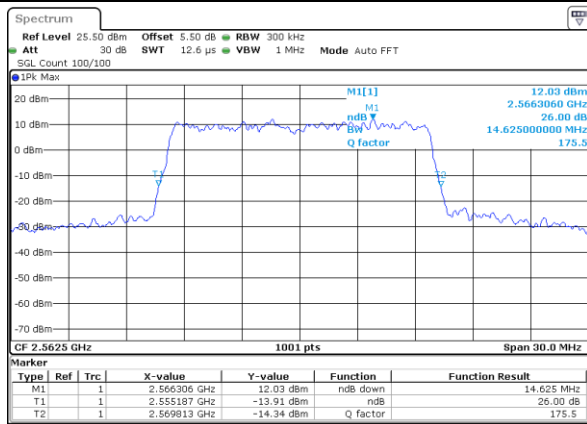
Middle Channel / 15MHz / 64QAM



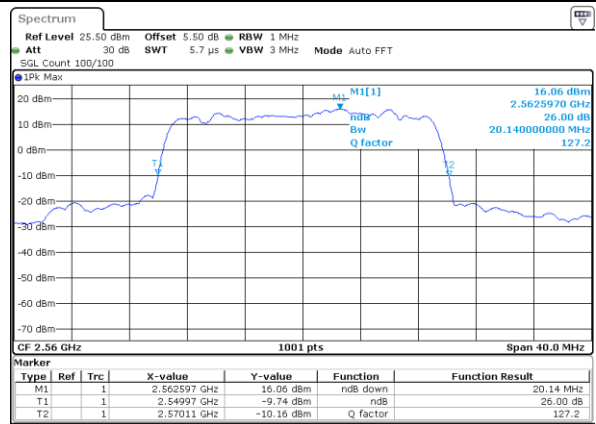
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



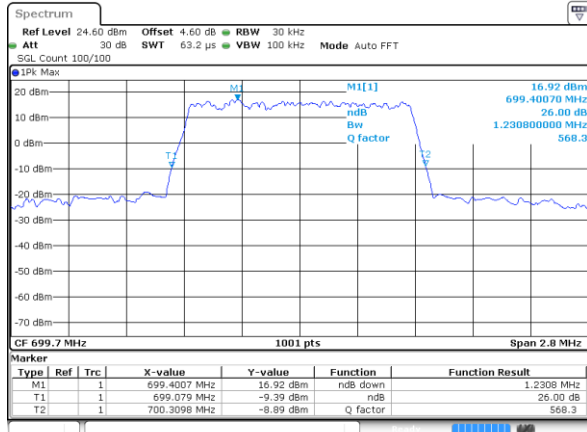
Highest Channel / 20MHz / 64QAM





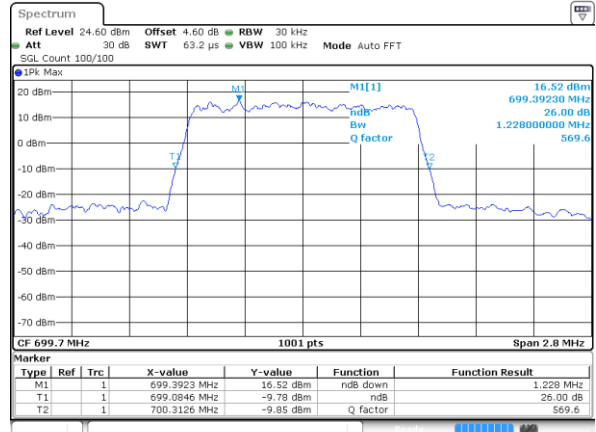
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



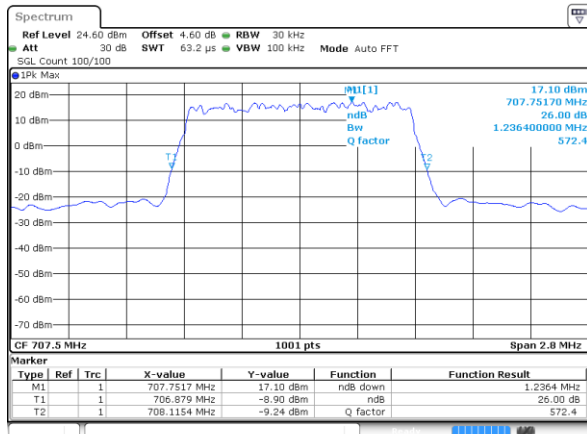
Date: 29 JUN 2019 05:00:06

Lowest Channel / 1.4MHz / 16QAM



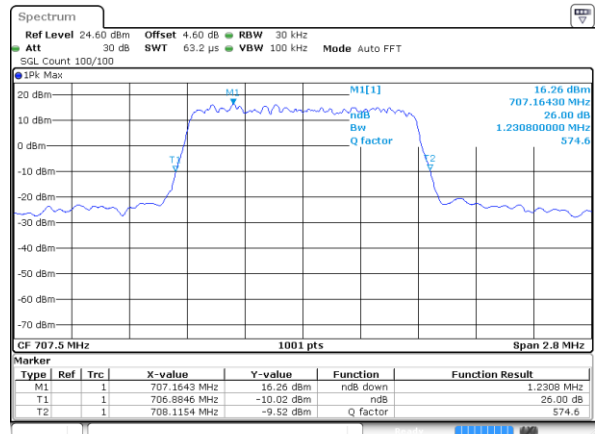
Date: 29 JUN 2019 04:59:56

Middle Channel / 1.4MHz / QPSK



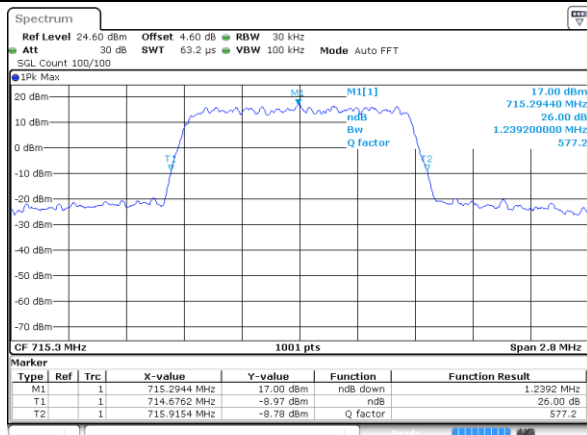
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Middle Channel / 1.4MHz / 16QAM



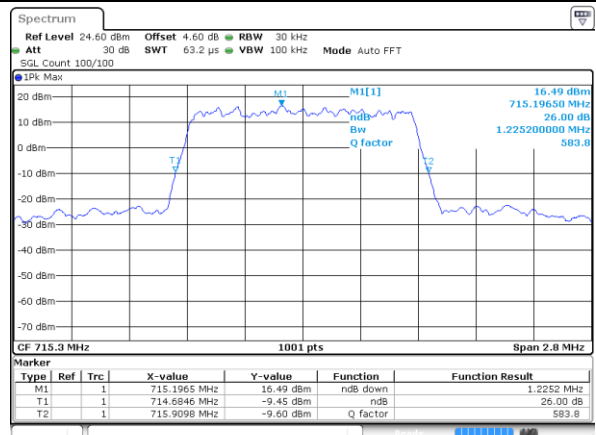
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Highest Channel / 1.4MHz / QPSK



Date: 29 JUN 2019 04:59:26

Highest Channel / 1.4MHz / 16QAM

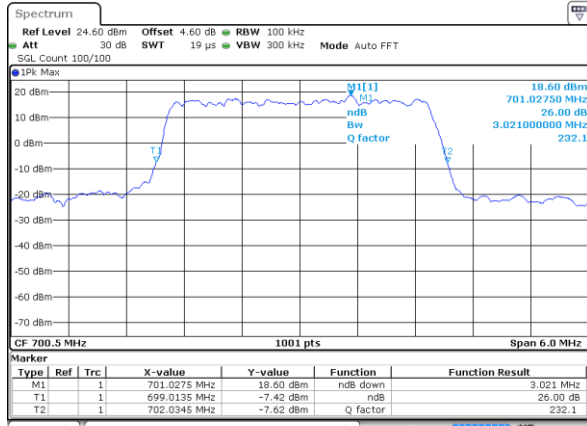


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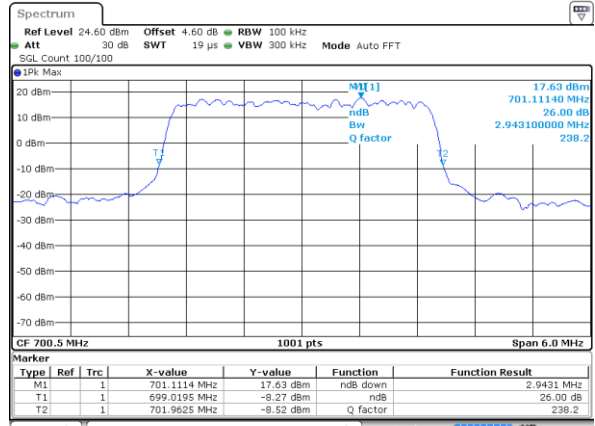


LTE Band 12

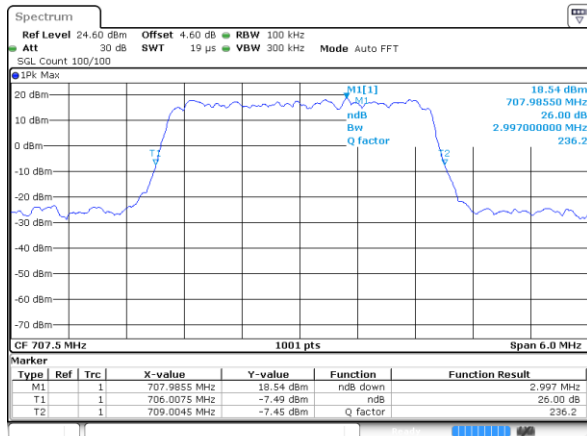
Lowest Channel / 3MHz / QPSK



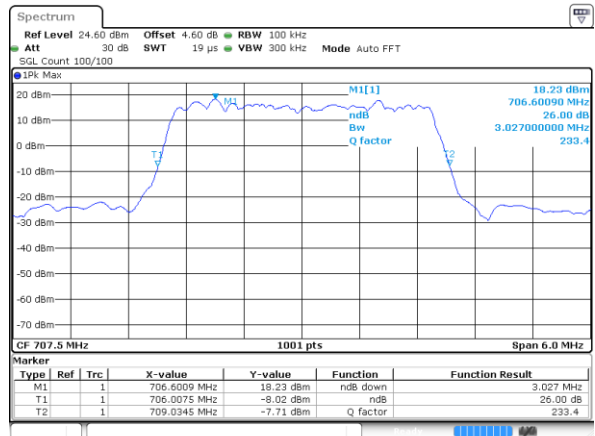
Lowest Channel / 3MHz / 16QAM



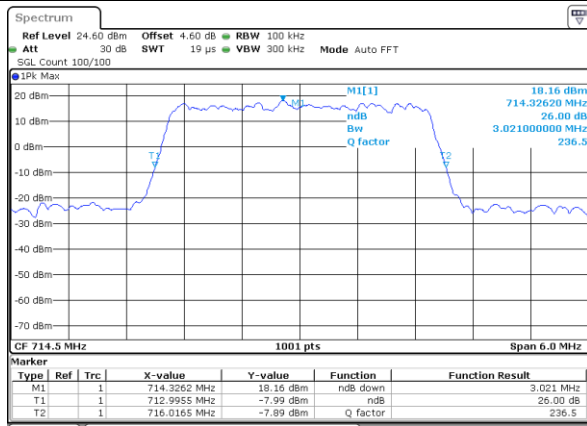
Middle Channel / 3MHz / QPSK



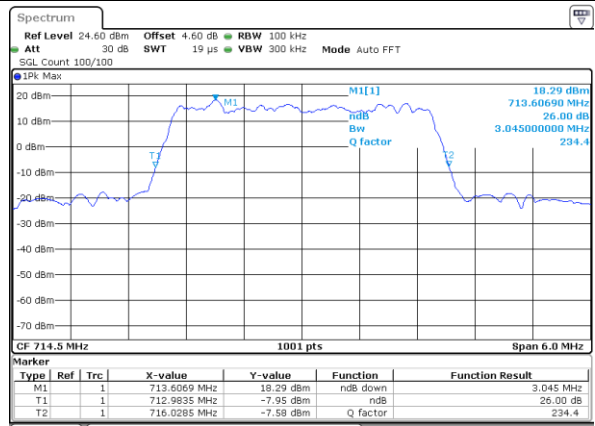
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



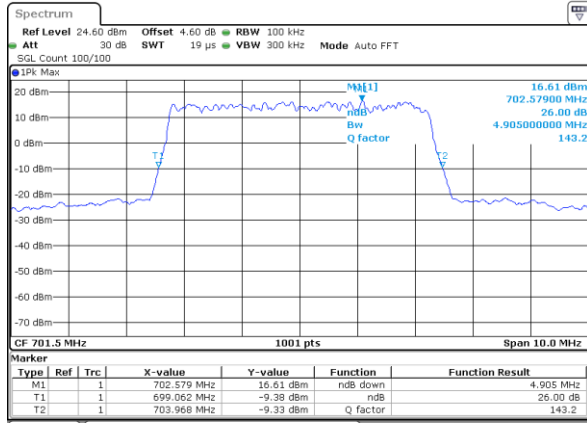
Highest Channel / 3MHz / 16QAM





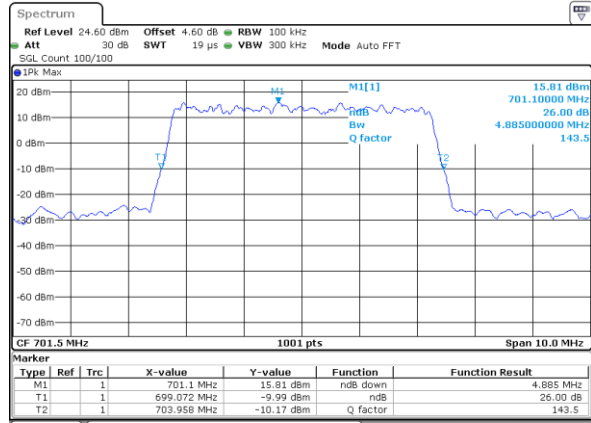
LTE Band 12

Lowest Channel / 5MHz / QPSK



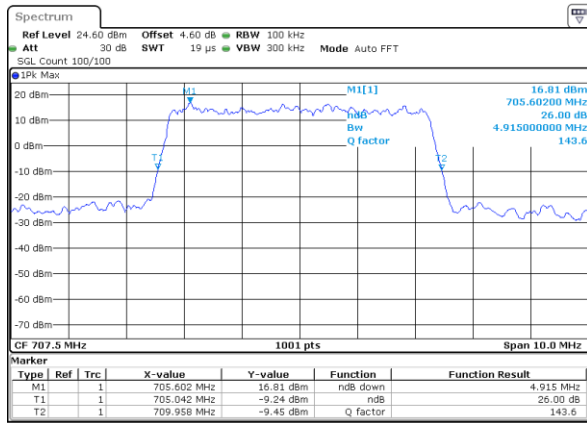
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Lowest Channel / 5MHz / 16QAM



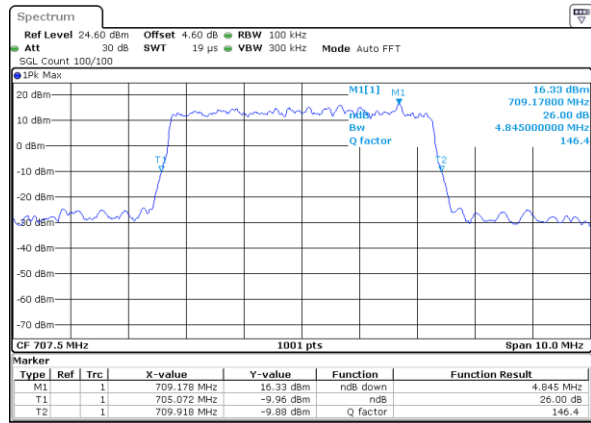
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Middle Channel / 5MHz / QPSK



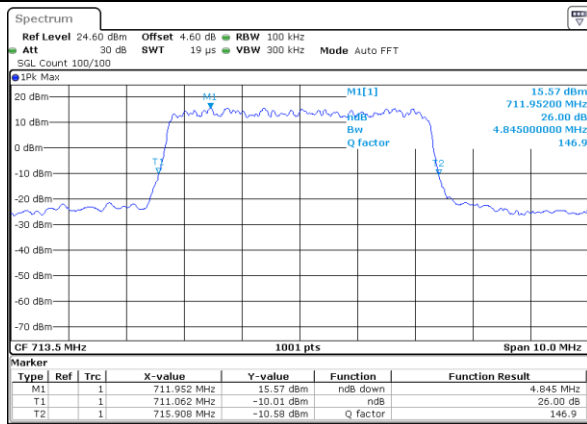
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Middle Channel / 5MHz / 16QAM



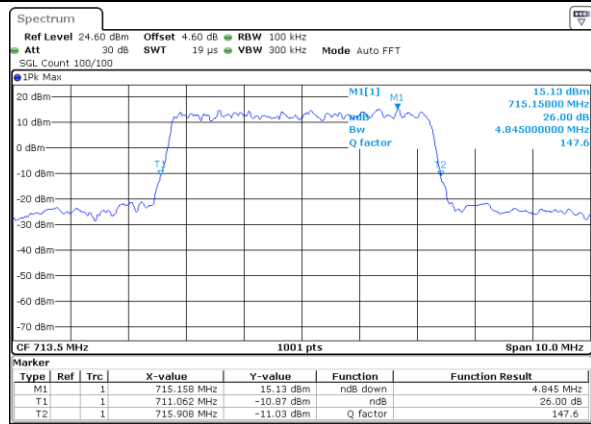
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Highest Channel / 5MHz / QPSK



Date: 29 JUN 2019 05:32:23

Highest Channel / 5MHz / 16QAM



Date: 29 JUN 2019 05:32:13