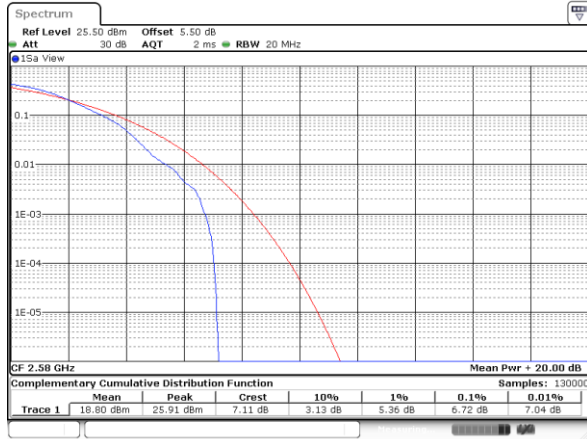


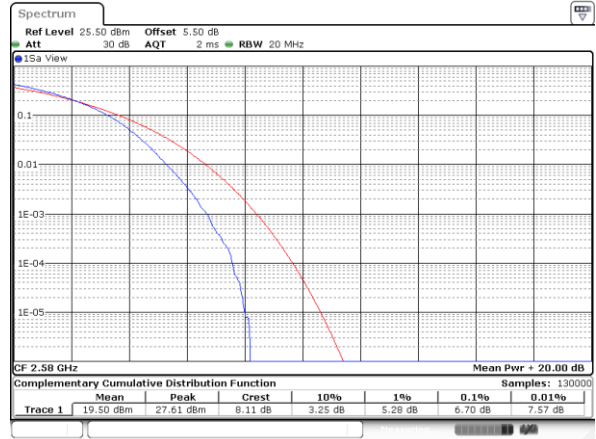


LTE Band 38 / 20MHz / 64QAM

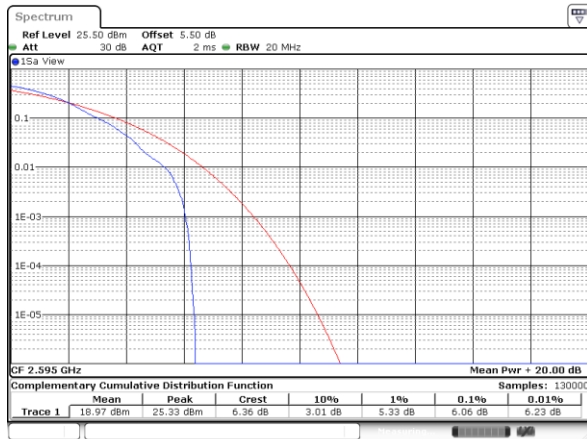
Lowest Channel / 1RB



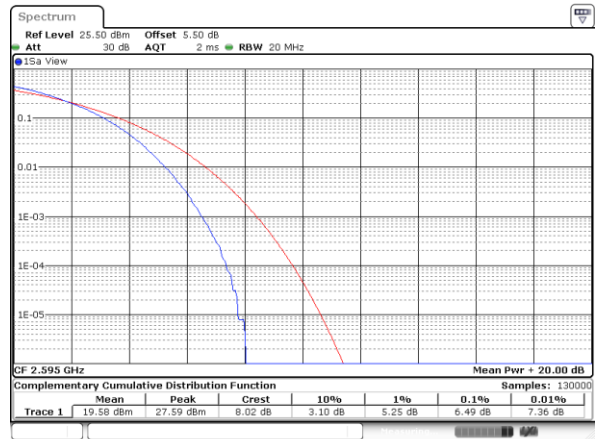
Lowest Channel / Full RB



Middle Channel / 1RB



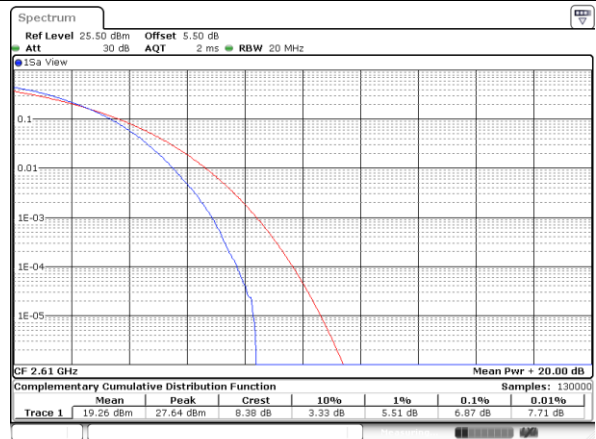
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



**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	1.26	1.27	3.00	3.00	4.86	4.84	9.79	9.77	14.30	14.15	20.10	20.26
Middle CH	1.28	1.30	2.99	3.15	4.89	4.93	9.73	9.99	14.30	14.30	20.22	22.10
Highest CH	1.27	1.28	3.00	3.09	4.86	4.86	9.65	9.77	14.33	14.21	20.26	20.26
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24		3.00		4.90		9.83		14.36		20.22	
Middle CH	1.29		2.97		4.92		9.79		14.36		20.42	
Highest CH	1.31		3.16		4.89		9.81		14.30		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	1.27	1.29	2.97	2.96	4.89	4.87	9.73	9.75	14.27	14.24	20.22	20.26
Middle CH	1.25	1.28	3.00	3.05	4.86	4.78	9.85	9.67	14.21	14.33	20.06	20.02
Highest CH	1.26	1.27	3.00	2.97	4.85	4.87	9.75	9.83	14.33	14.33	20.10	20.10
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.27		3.00		4.85		9.79		14.30		20.14	
Middle CH	1.27		3.02		4.84		9.73		14.30		20.02	
Highest CH	1.26		3.01		4.85		9.87		14.18		20.18	

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	1.25	1.26	2.99	2.96	4.87	4.84	9.67	9.71				
Middle CH	1.26	1.28	2.98	2.99	4.87	4.80	9.63	9.69				
Highest CH	1.24	1.29	3.03	2.99	4.90	4.80	9.75	9.71				
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.26		3.00		4.79		9.77					
Middle CH	1.27		2.99		4.87		9.61					
Highest CH	1.28		3.00		4.91		9.75					



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					4.78	4.82	9.73	9.75	14.45	14.36	20.06	20.06
Middle CH					4.89	4.85	9.73	9.71	14.48	14.18	20.14	20.26
Highest CH					4.84	4.87	9.85	9.75	14.27	14.51	20.14	20.30
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.91		9.81		14.60		20.06	
Middle CH					4.85		9.63		14.51		20.14	
Highest CH					4.84		9.83		14.21		20.18	

Mode	LTE Band 38 : 26dB BW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH					4.855	4.795	9.63	9.73	14.236	14.356	20.02	20.18
Middle CH					4.815	4.895	9.81	9.63	14.446	14.116	20.3	20.18
Highest CH					4.855	4.845	9.67	9.63	14.326	14.146	20.14	20.06
Mode	LTE Band 38 : 26dB BW(MHz)											
BW					5MHz		10MHz		15MHz		20MHz	
Mod.					64QAM		64QAM		64QAM		64QAM	
Lowest CH					4.905		9.87		14.416		20.14	
Middle CH					4.865		9.69		14.266		20.1	
Highest CH					4.775		9.77		14.296		20.18	



Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.79		25.175	30.45
Middle CH	29.73		25.025	30.509
Highest CH	29.85		25.025	30.45
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	29.97	34.965	39.64
Middle CH	34.755	30.03	34.825	39.56
Highest CH	34.825	29.91	35.035	39.8

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.67		25.175	30.629
Middle CH	29.91		25.175	30.45
Highest CH	30.09		25.075	30.39
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895	29.85	34.965	39.72
Middle CH	34.755	29.97	34.685	39.64
Highest CH	34.755	29.85	34.965	39.64

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.85		25.125	30.509
Middle CH	29.79		24.975	30.39
Highest CH	29.85		25.025	30.509
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	29.91	34.685	39.8
Middle CH	34.755	29.97	35.035	39.72
Highest CH	34.825	29.91	34.895	39.72



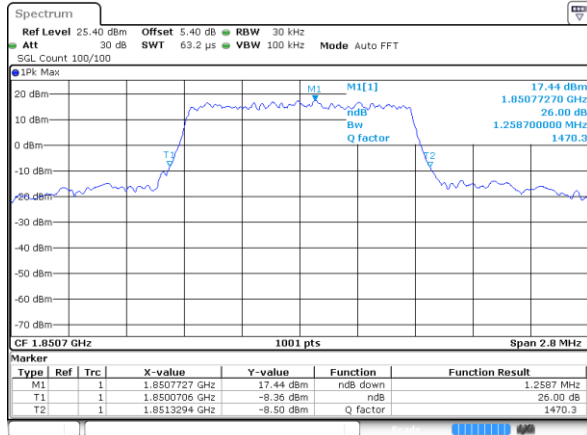
Mode	LTE Band 38 : 26dB BW(MHz)			
Mod.	QPSK		16QAM	
BW	15MHz+15MHz	20MHz+20MHz	15MHz+15MHz	20MHz+20MHz
Lowest CH	30.569	39.56	30.629	39.64
Middle CH	30.569	39.8	30.509	39.8
Highest CH	30.45	39.88	30.39	39.88

Mode	LTE Band 38 : 26dB BW(MHz)			
Mod.	64QAM		-	
BW	15MHz+15MHz	20MHz+20MHz	-	-
Lowest CH	30.45	39.8	-	-
Middle CH	30.45	39.56	-	-
Highest CH	30.45	39.64	-	-

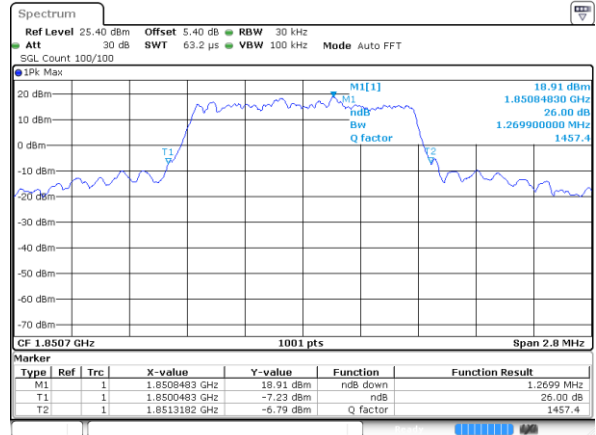


LTE Band 2

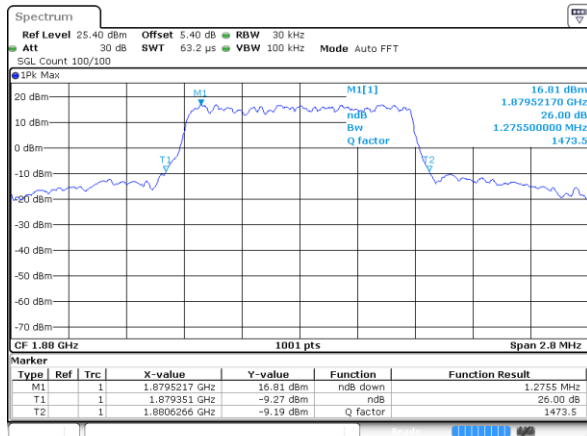
Lowest Channel / 1.4MHz / QPSK



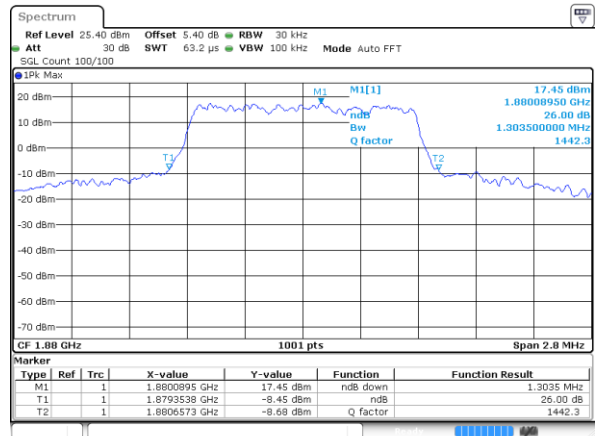
Lowest Channel / 1.4MHz / 16QAM



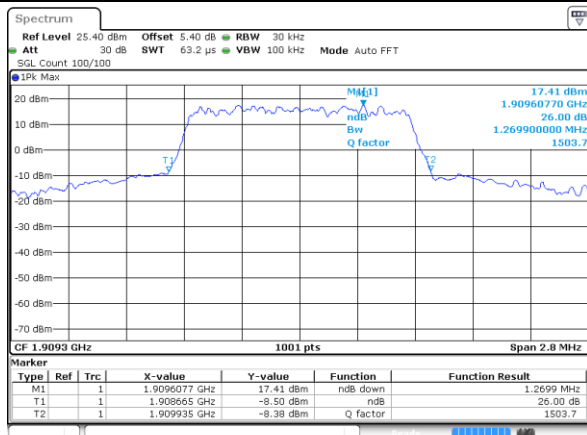
Middle Channel / 1.4MHz / QPSK



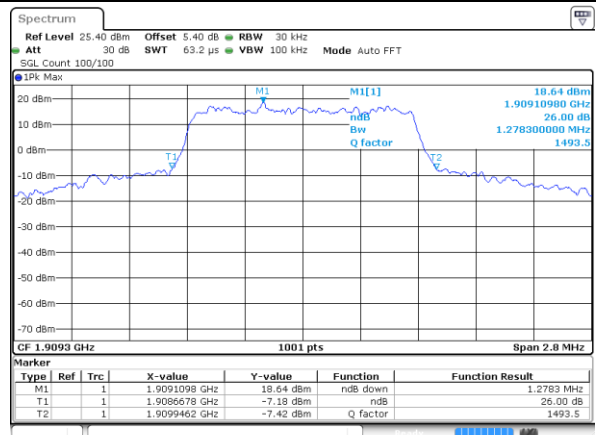
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



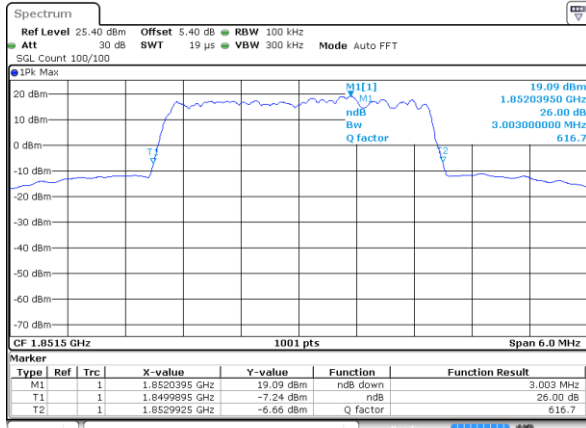
Highest Channel / 1.4MHz / 16QAM





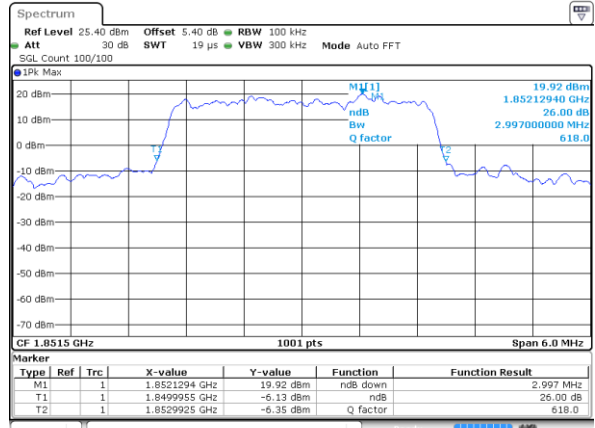
LTE Band 2

Lowest Channel / 3MHz / QPSK



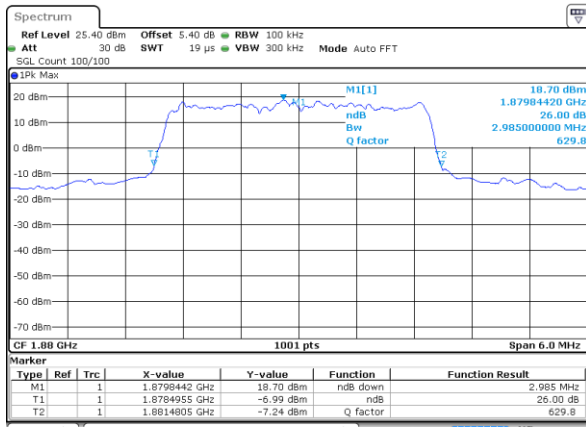
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Lowest Channel / 3MHz / 16QAM



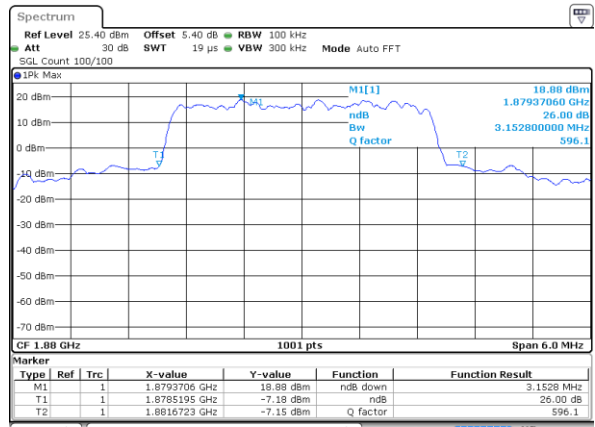
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Middle Channel / 3MHz / QPSK



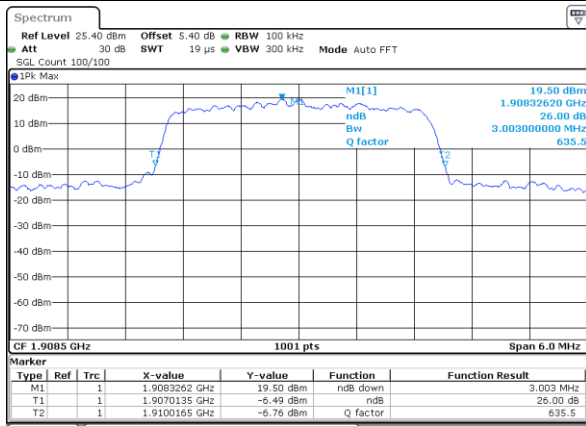
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Middle Channel / 3MHz / 16QAM



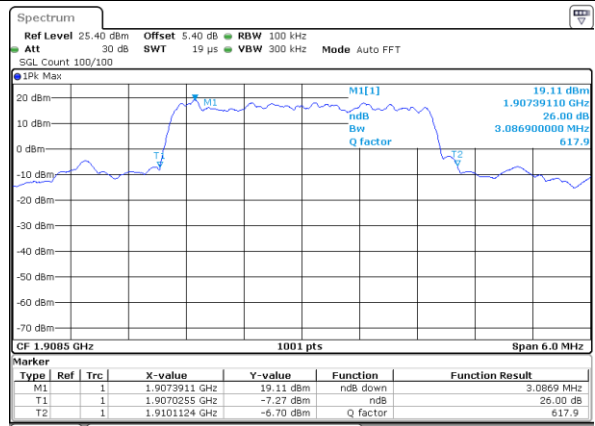
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Highest Channel / 3MHz / QPSK



Date: 25 JUL 2019 20:41:59

Highest Channel / 3MHz / 16QAM

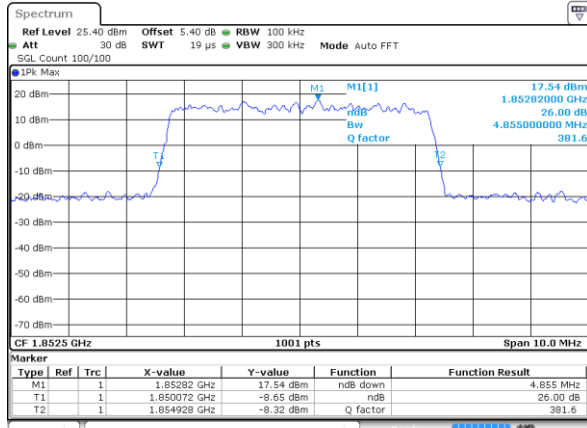


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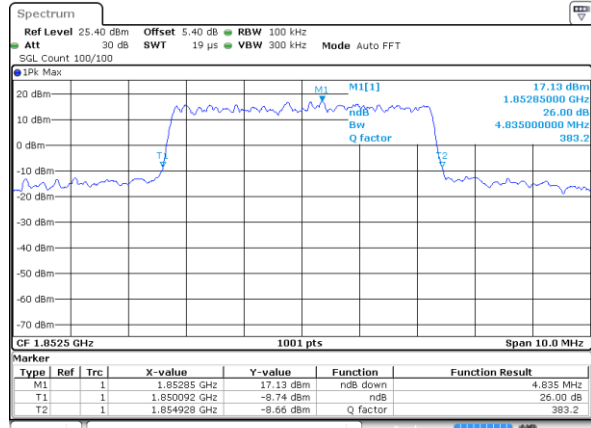
LTE Band 2

Lowest Channel / 5MHz / QPSK



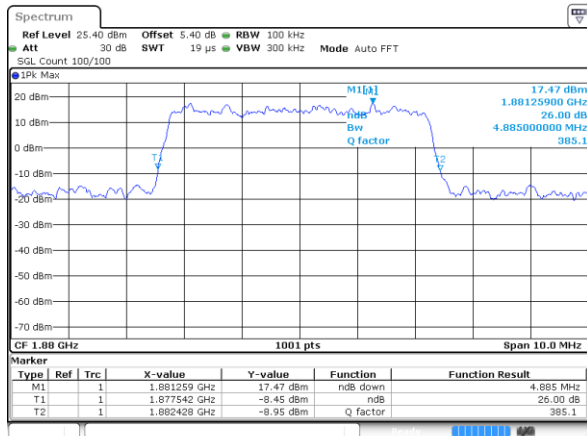
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Lowest Channel / 5MHz / 16QAM



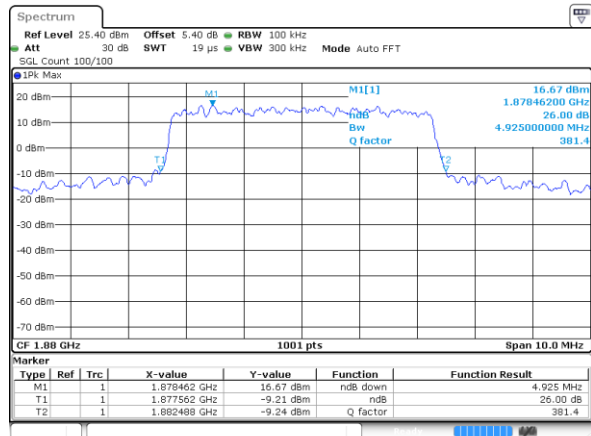
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Middle Channel / 5MHz / QPSK



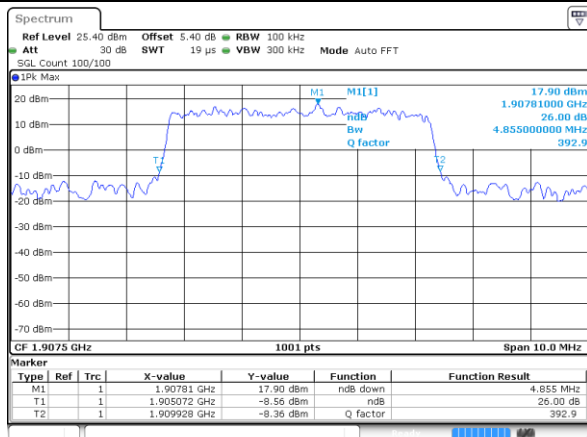
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Middle Channel / 5MHz / 16QAM



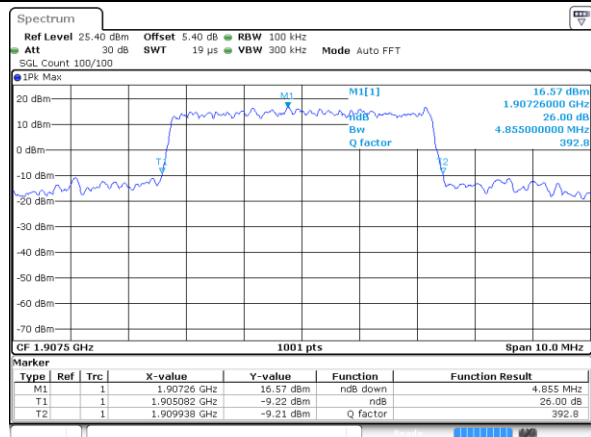
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Highest Channel / 5MHz / QPSK



Date: 25 JUL 2019 20:58:30

Highest Channel / 5MHz / 16QAM

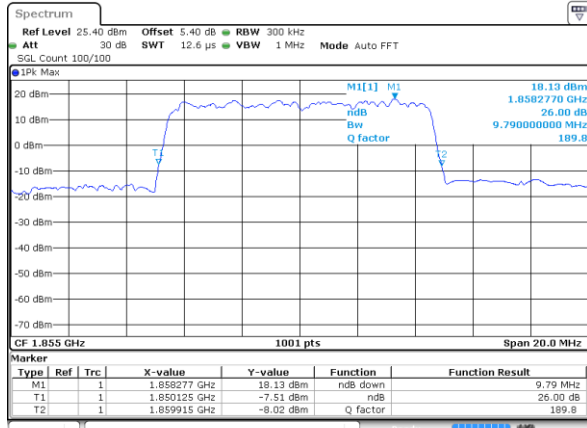


Date: 25 JUL 2019 20:58:40



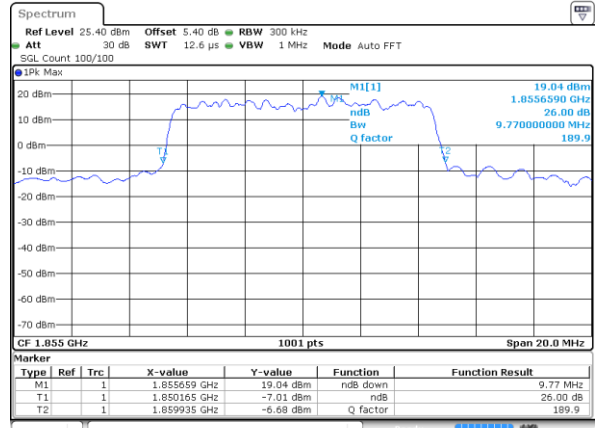
LTE Band 2

Lowest Channel / 10MHz / QPSK



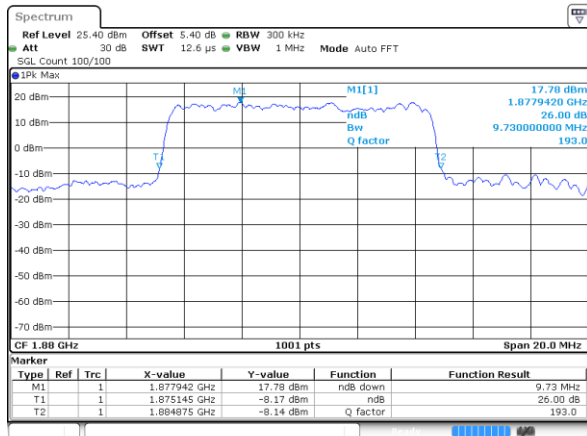
Date: 25 JUL 2019 21:05:31

Lowest Channel / 10MHz / 16QAM



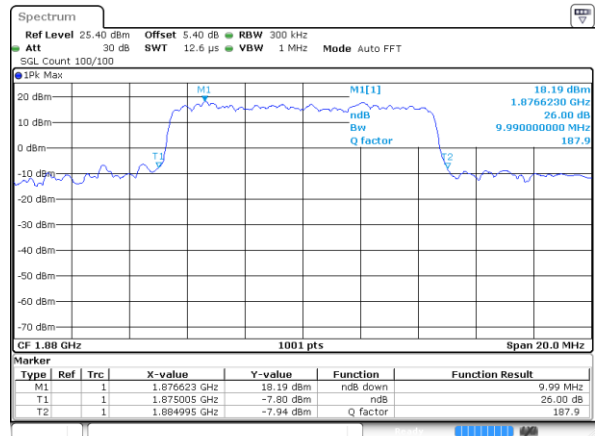
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Middle Channel / 10MHz / QPSK



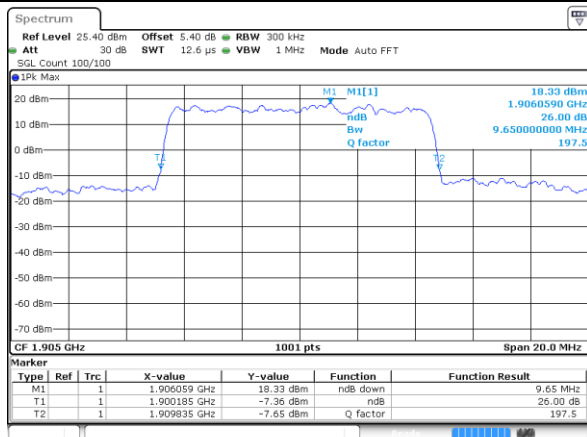
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Middle Channel / 10MHz / 16QAM



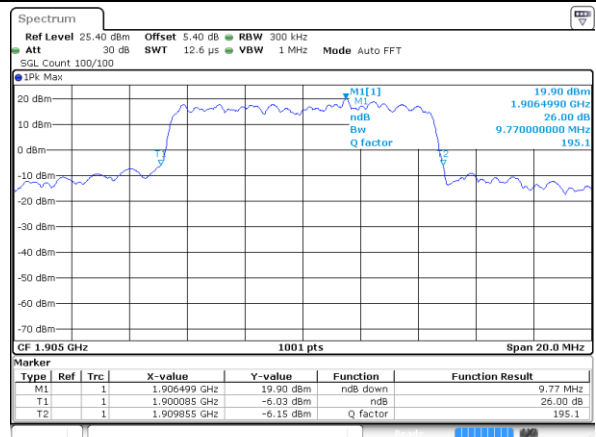
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Highest Channel / 10MHz / QPSK



Date: 25 JUL 2019 21:15:01

Highest Channel / 10MHz / 16QAM

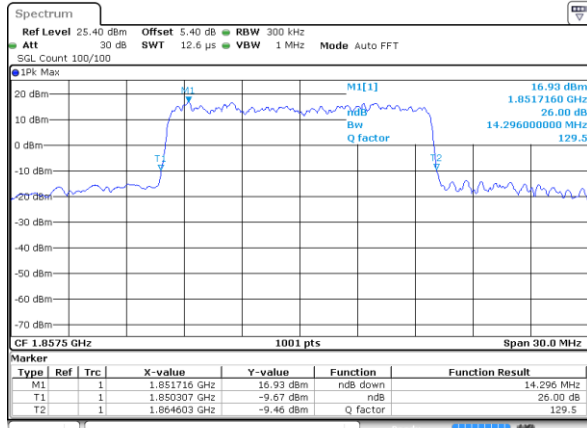


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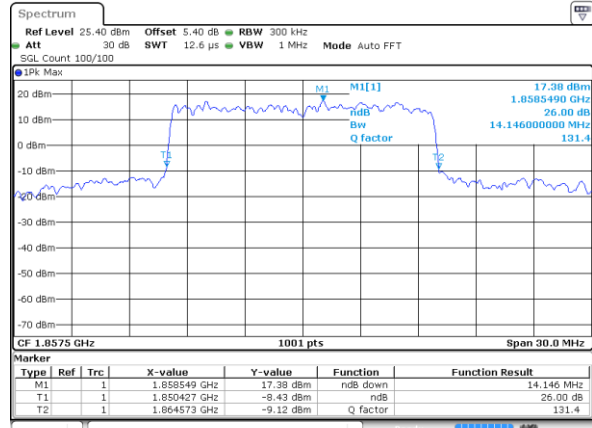
LTE Band 2

Lowest Channel / 15MHz / QPSK



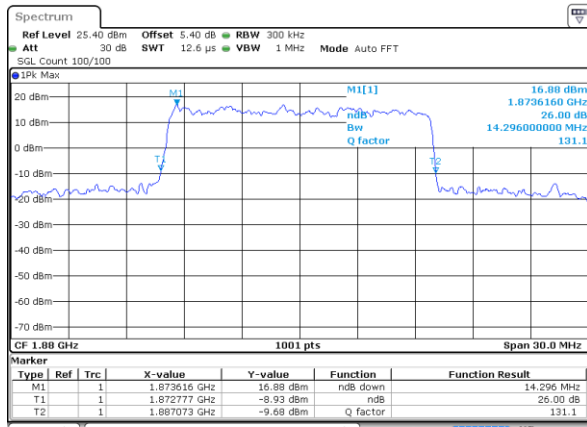
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Lowest Channel / 15MHz / 16QAM



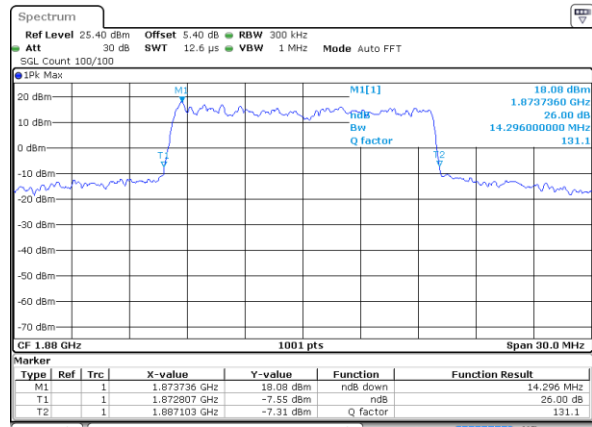
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Middle Channel / 15MHz / QPSK



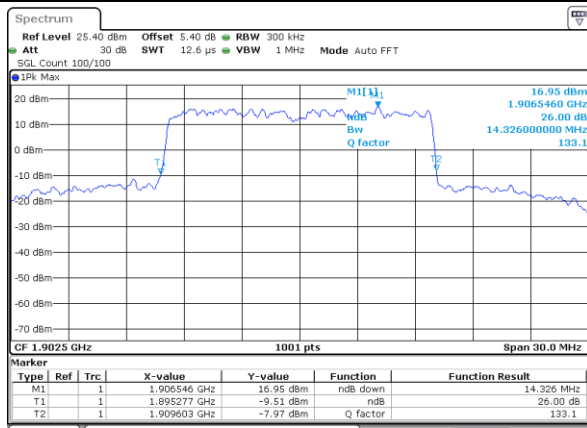
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Middle Channel / 15MHz / 16QAM



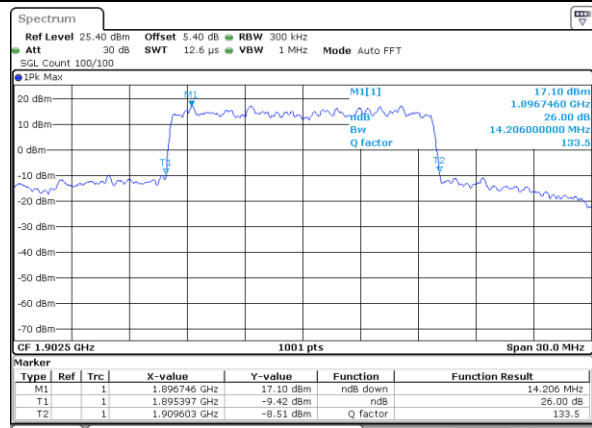
Date: 25 JUL 2019 21:29:12

Highest Channel / 15MHz / QPSK



Date: 25 JUL 2019 21:31:32

Highest Channel / 15MHz / 16QAM

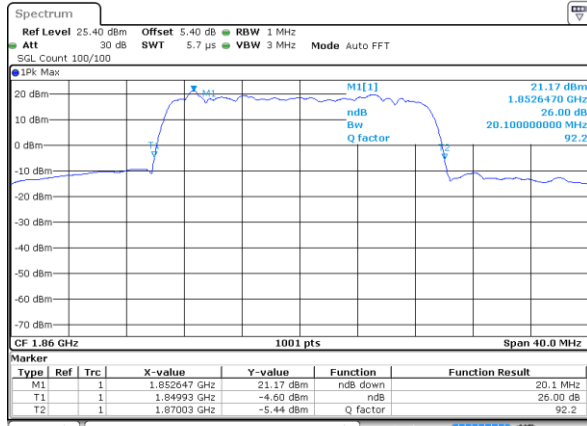


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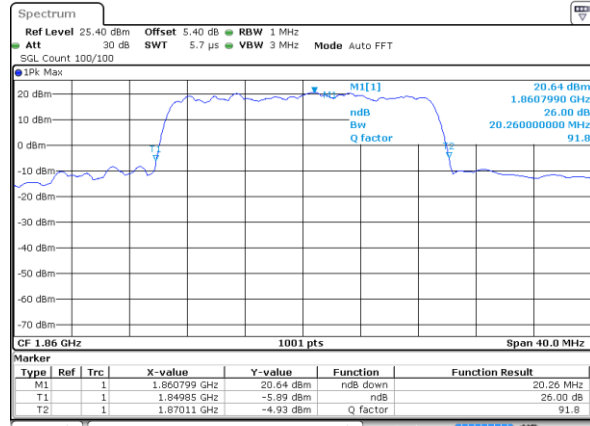


LTE Band 2

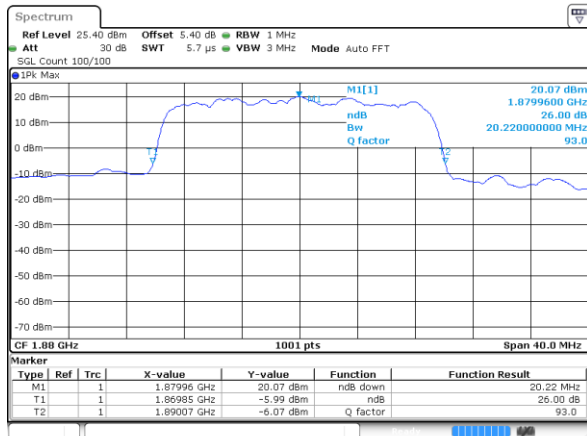
Lowest Channel / 20MHz / QPSK



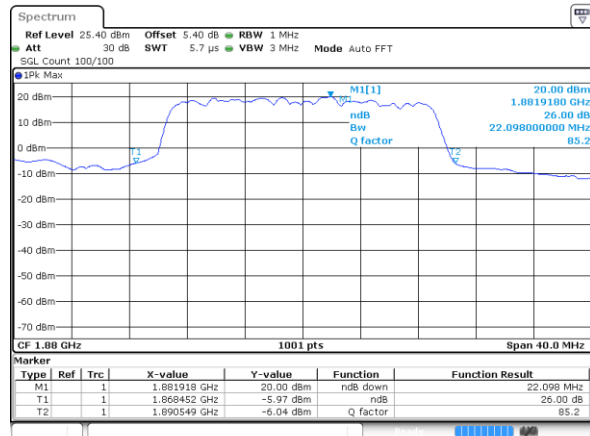
Lowest Channel / 20MHz / 16QAM



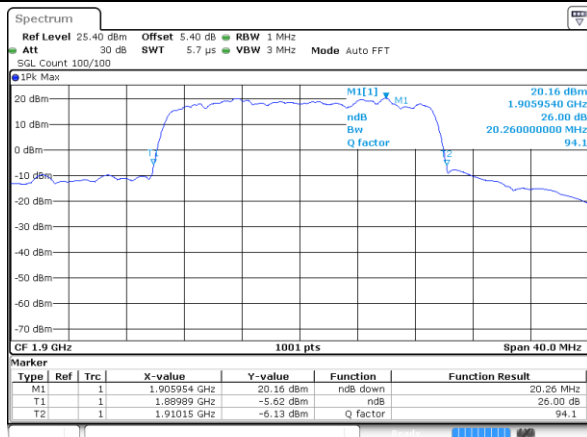
Middle Channel / 20MHz / QPSK



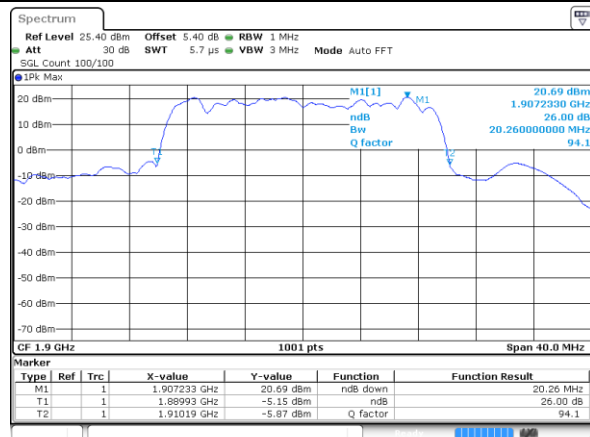
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



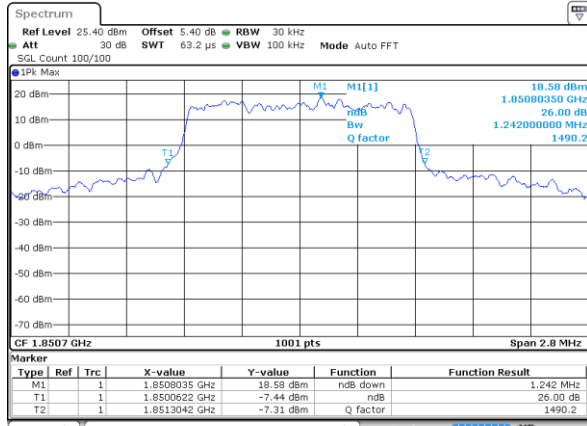
Highest Channel / 20MHz / 16QAM





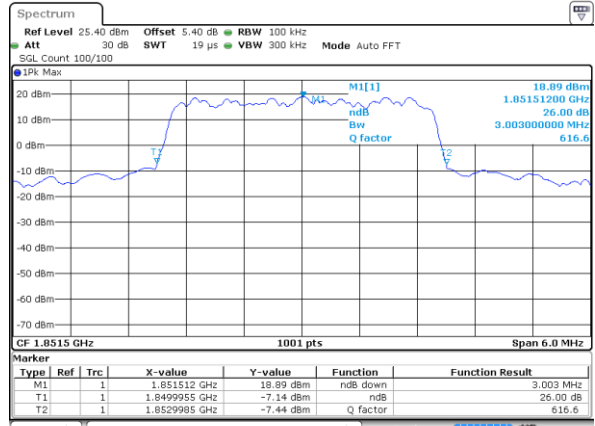
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



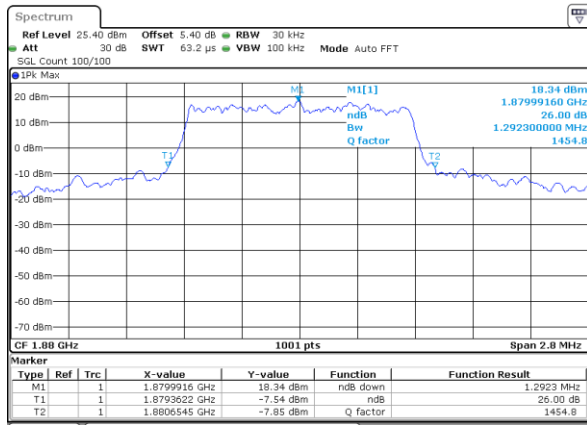
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Lowest Channel / 3MHz / 64QAM



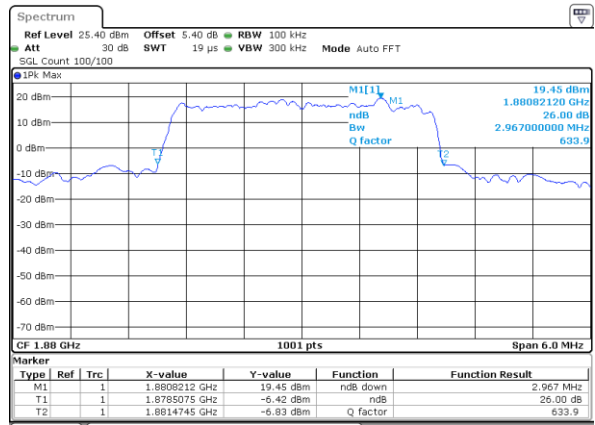
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Middle Channel / 1.4MHz / 64QAM



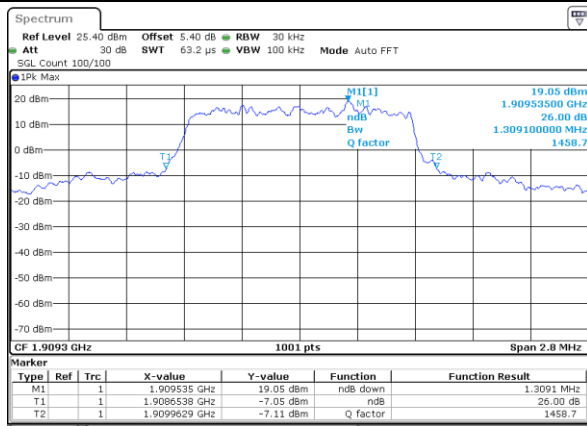
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Middle Channel / 3MHz / 64QAM



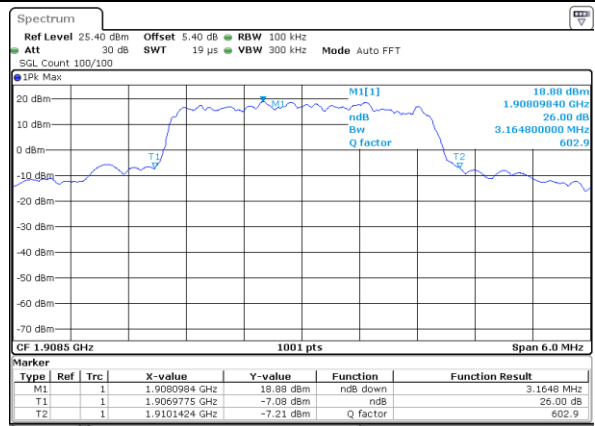
Date: 25 JUL 2019 21:58:26

Highest Channel / 1.4MHz / 64QAM



Date: 25 JUL 2019 21:58:06

Highest Channel / 3MHz / 64QAM

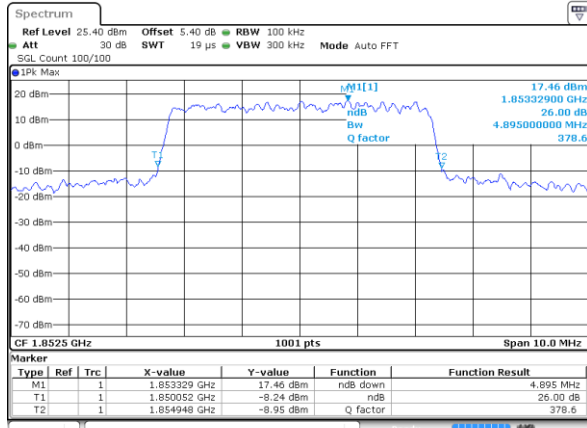


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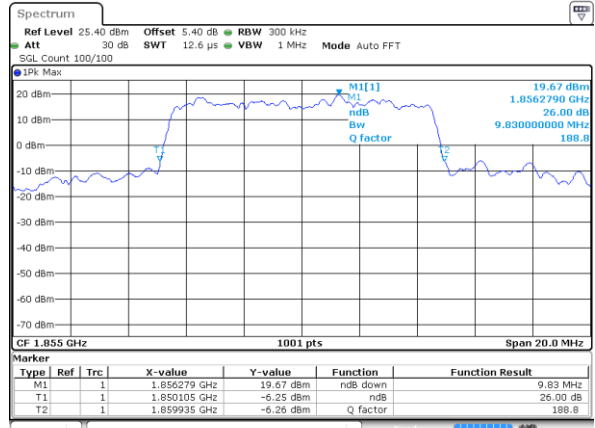


LTE Band 2

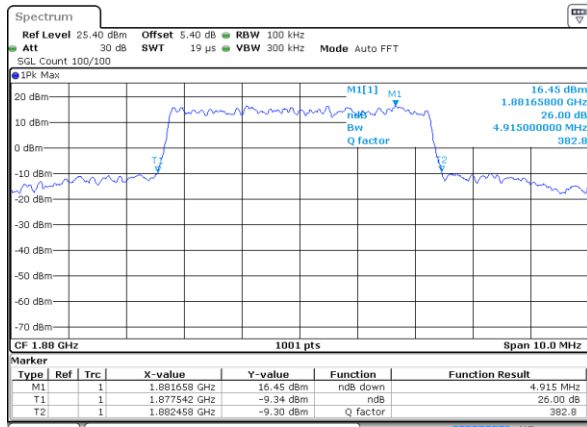
Lowest Channel / 5MHz / 64QAM



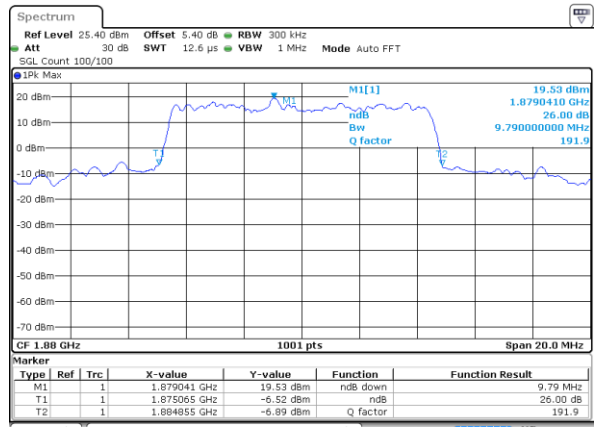
Lowest Channel / 10MHz / 64QAM



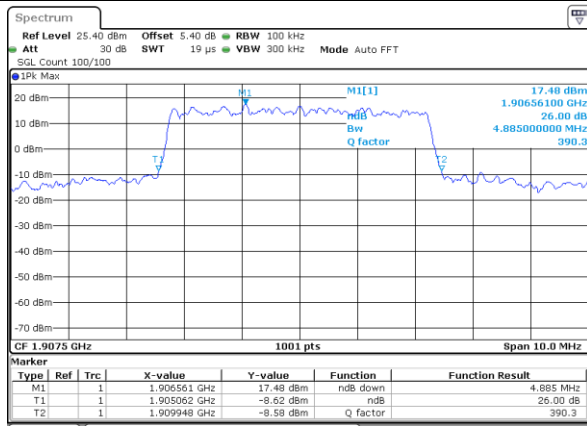
Middle Channel / 5MHz / 64QAM



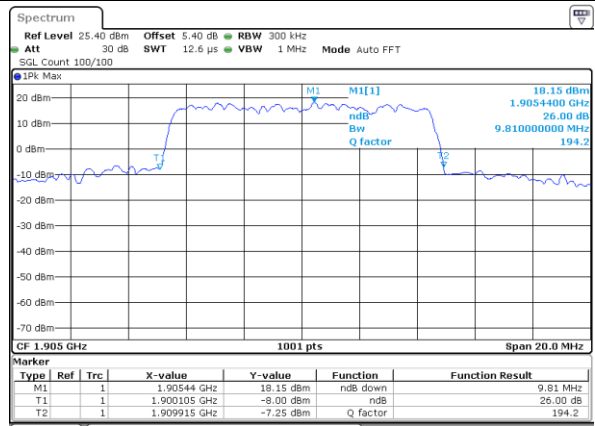
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



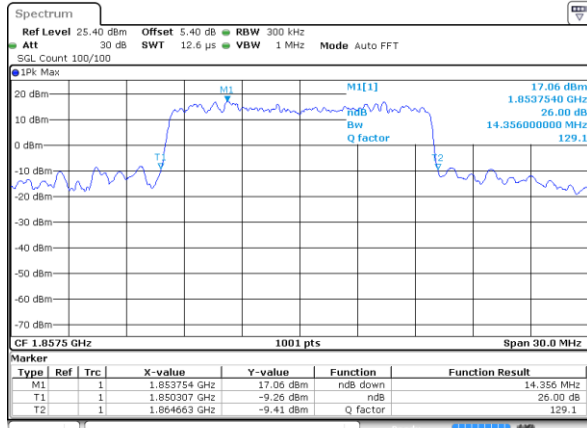
Highest Channel / 10MHz / 64QAM





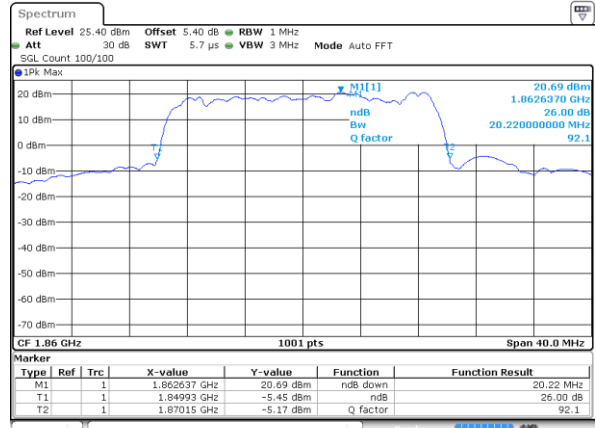
LTE Band 2

Lowest Channel / 15MHz / 64QAM



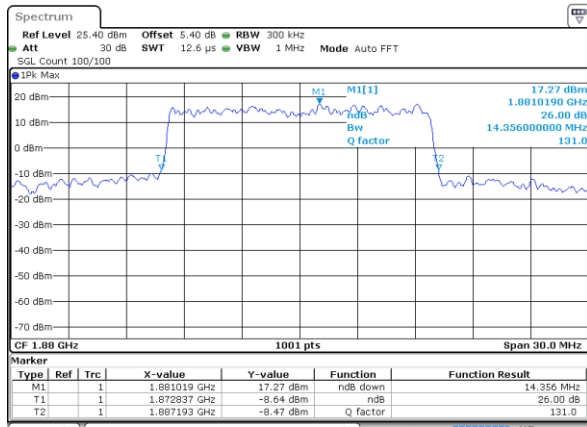
Date: 25 JUL 2019 21:59:46

Lowest Channel / 20MHz / 64QAM



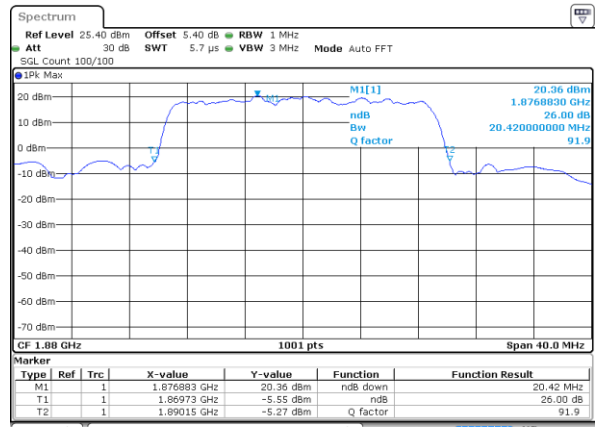
Date: 25 JUL 2019 22:00:17

Middle Channel / 15MHz / 64QAM



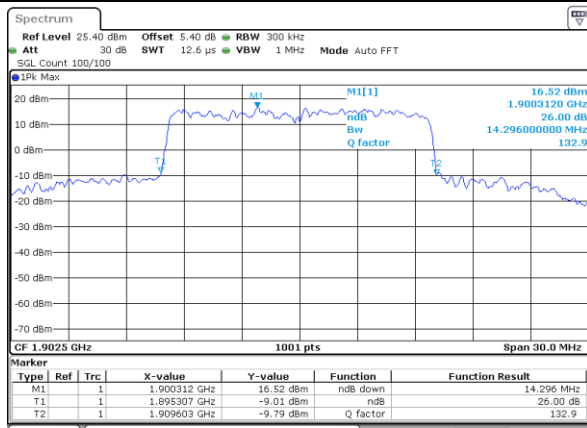
Date: 25 JUL 2019 21:59:56

Middle Channel / 20MHz / 64QAM



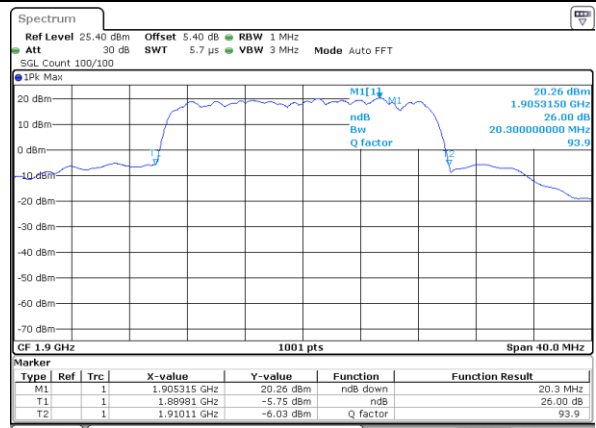
Date: 25 JUL 2019 22:00:27

Highest Channel / 15MHz / 64QAM



Date: 25 JUL 2019 22:00:06

Highest Channel / 20MHz / 64QAM

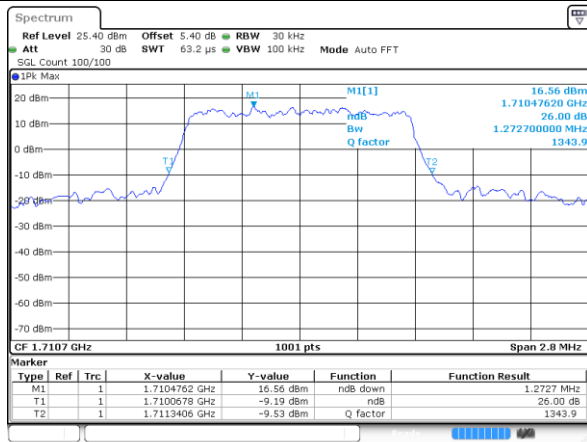


Date: 25 JUL 2019 22:00:37

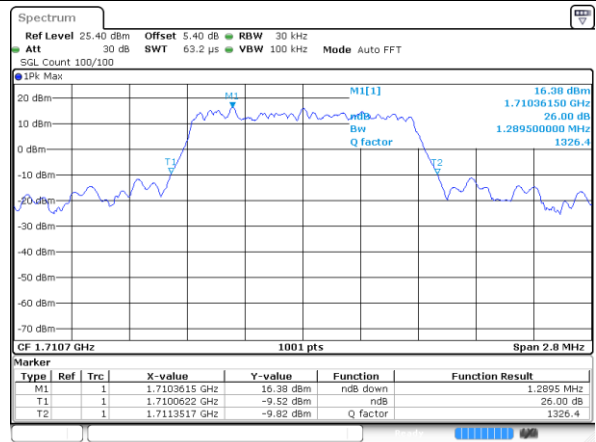


LTE Band 4

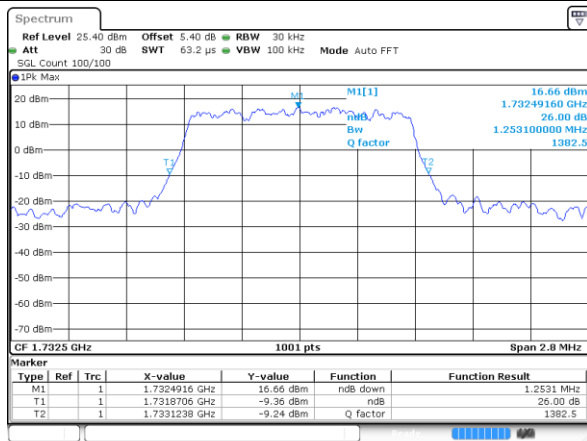
Lowest Channel / 1.4MHz / QPSK



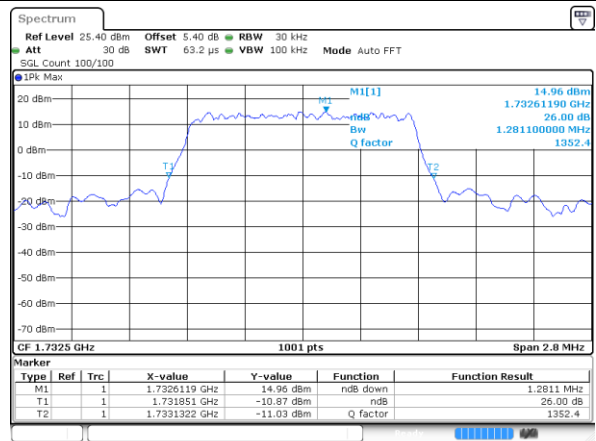
Lowest Channel / 1.4MHz / 16QAM



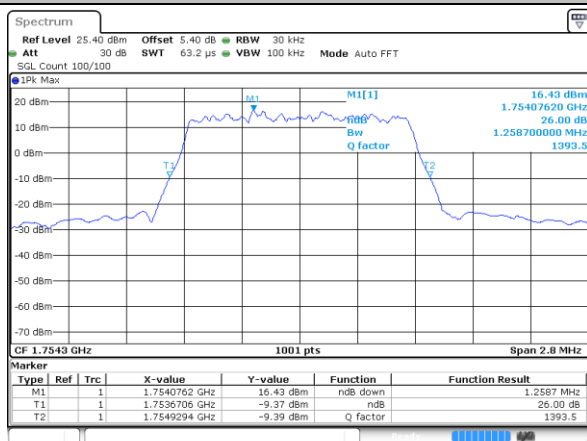
Middle Channel / 1.4MHz / QPSK



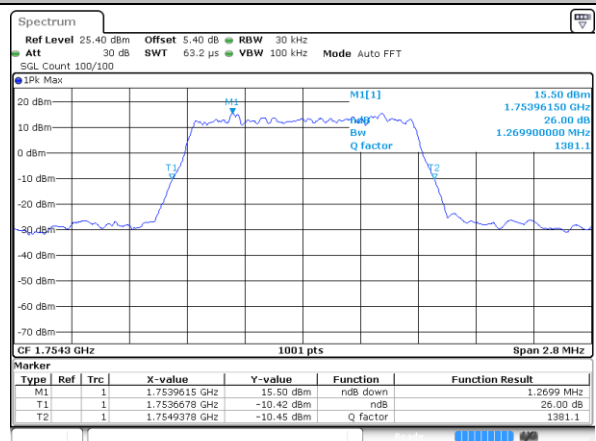
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



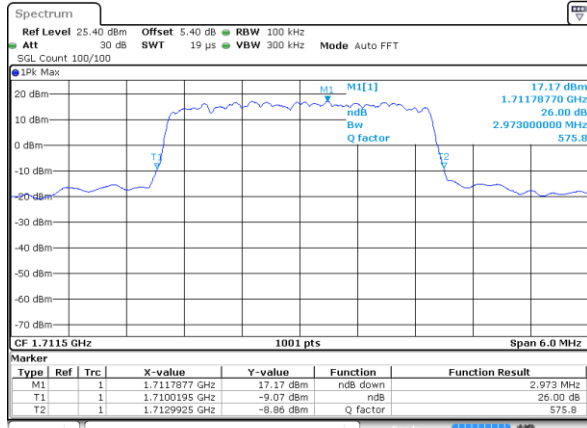
Highest Channel / 1.4MHz / 16QAM



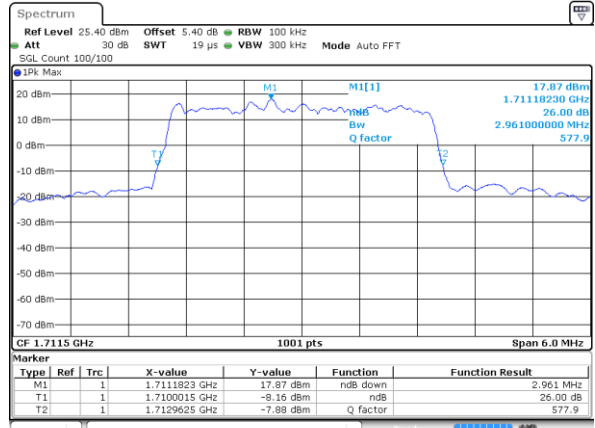


LTE Band 4

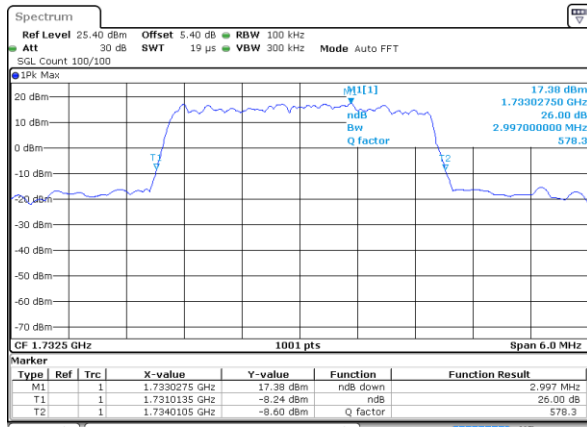
Lowest Channel / 3MHz / QPSK



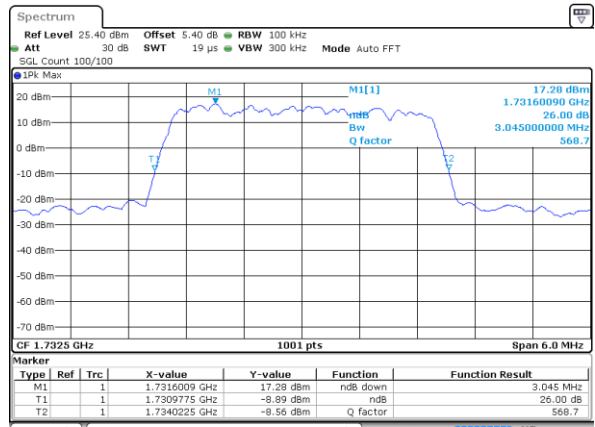
Lowest Channel / 3MHz / 16QAM



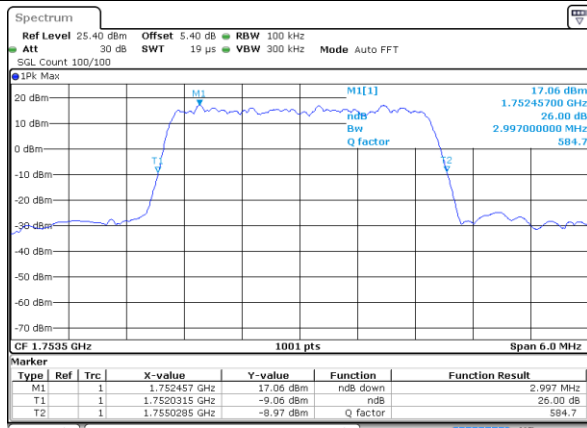
Middle Channel / 3MHz / QPSK



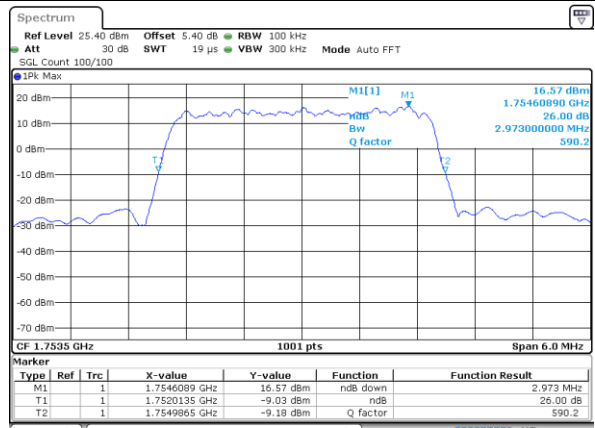
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



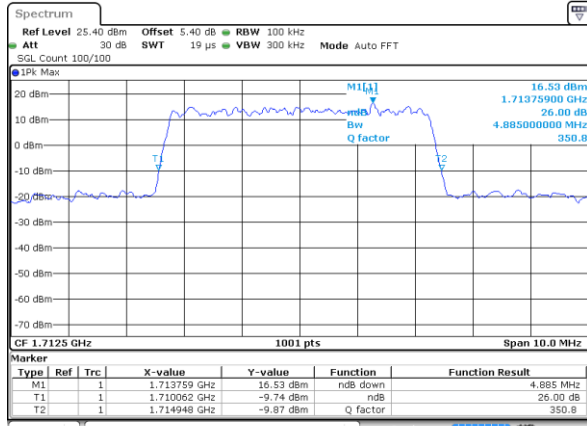
Highest Channel / 3MHz / 16QAM





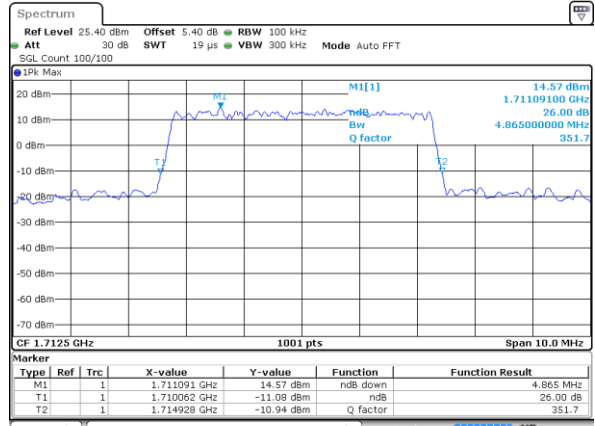
LTE Band 4

Lowest Channel / 5MHz / QPSK



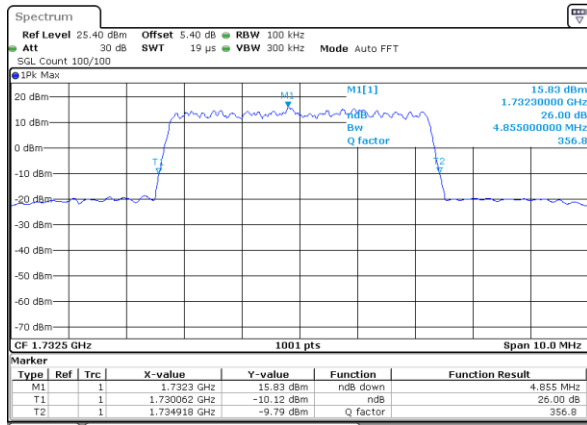
Date: 6 AUG 2019 14:53:46

Lowest Channel / 5MHz / 16QAM



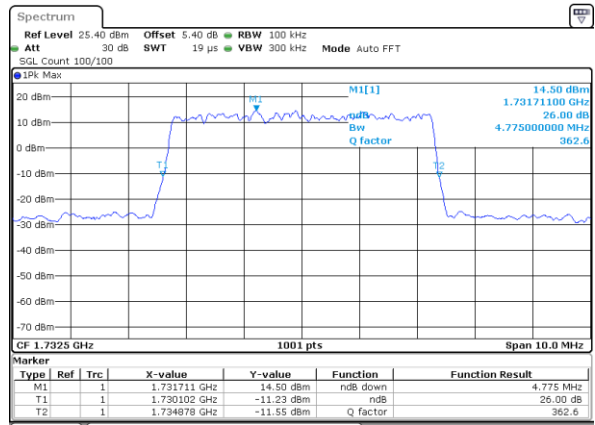
Date: 6 AUG 2019 14:53:56

Middle Channel / 5MHz / QPSK



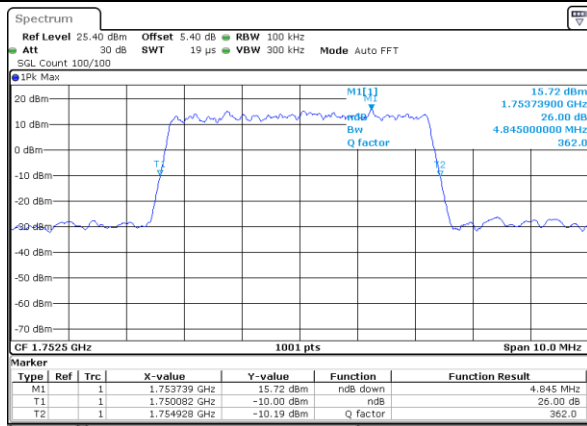
Date: 6 AUG 2019 14:56:16

Middle Channel / 5MHz / 16QAM



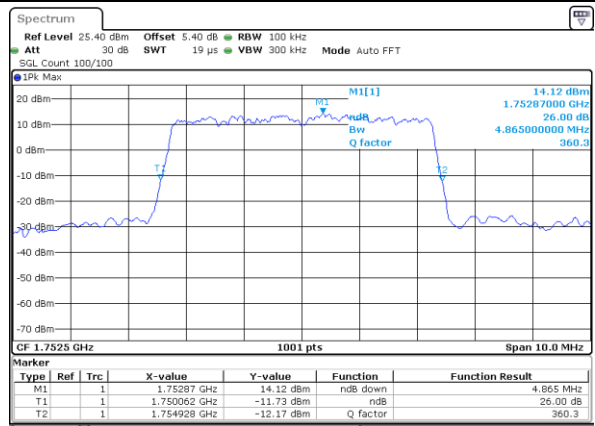
Date: 6 AUG 2019 14:56:26

Highest Channel / 5MHz / QPSK



Date: 6 AUG 2019 14:58:45

Highest Channel / 5MHz / 16QAM

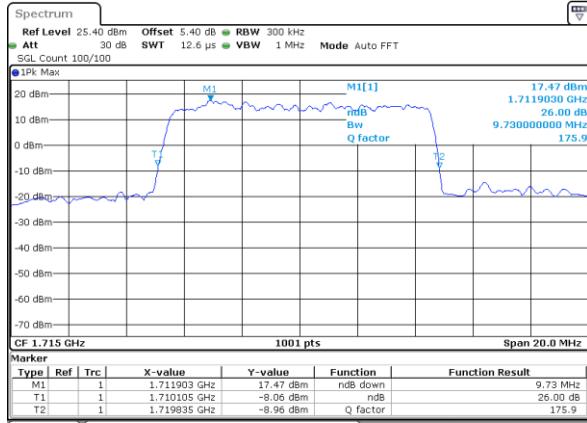


Date: 6 AUG 2019 14:58:55



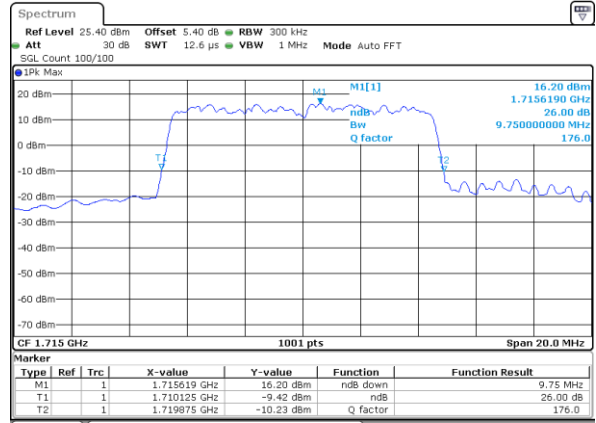
LTE Band 4

Lowest Channel / 10MHz / QPSK



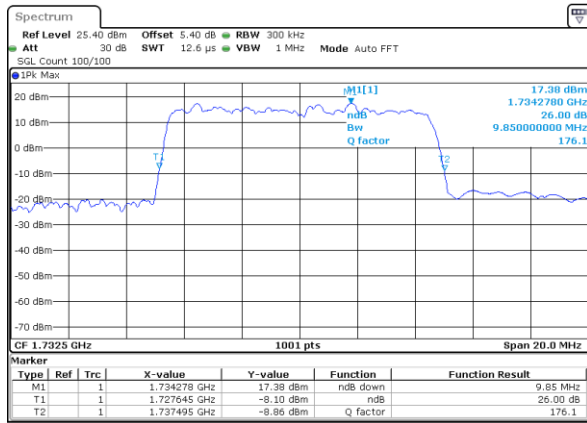
Date: 6 AUG 2019 15:01:15

Lowest Channel / 10MHz / 16QAM



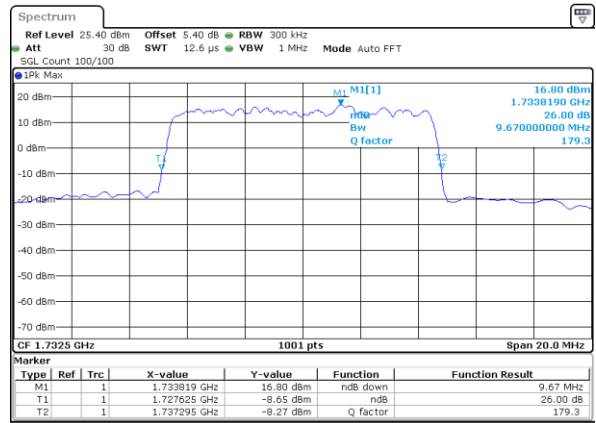
Date: 6 AUG 2019 15:01:25

Middle Channel / 10MHz / QPSK



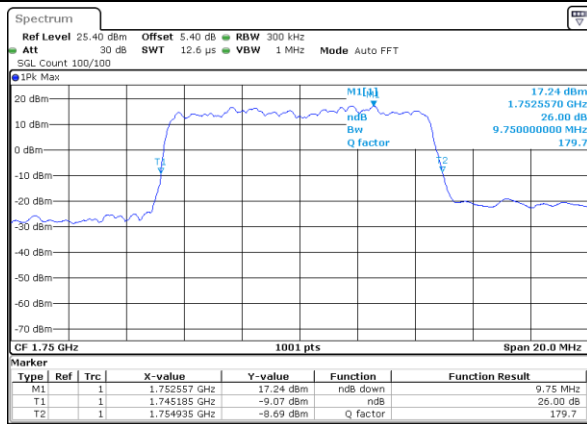
Date: 6 AUG 2019 15:03:45

Middle Channel / 10MHz / 16QAM



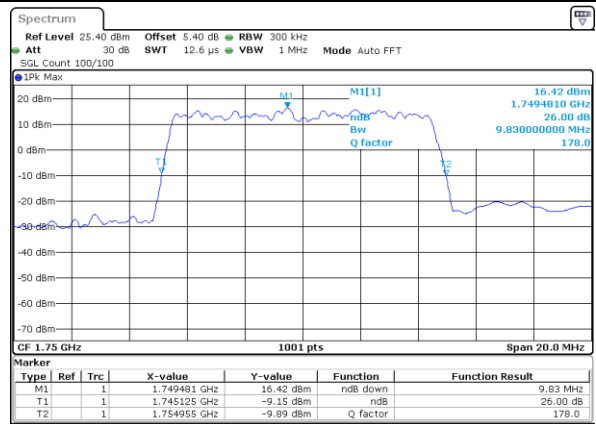
Date: 6 AUG 2019 15:03:55

Highest Channel / 10MHz / QPSK



Date: 6 AUG 2019 15:06:15

Highest Channel / 10MHz / 16QAM

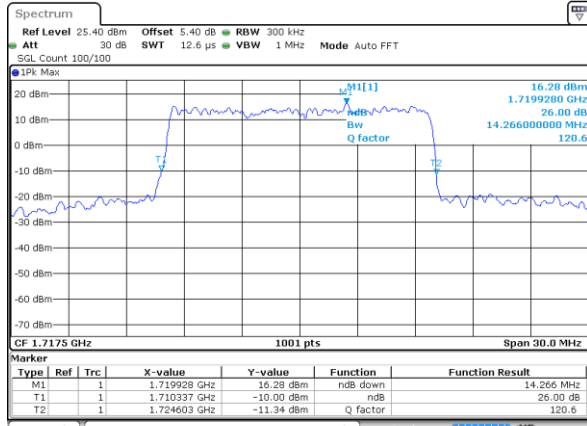


Date: 6 AUG 2019 15:06:25

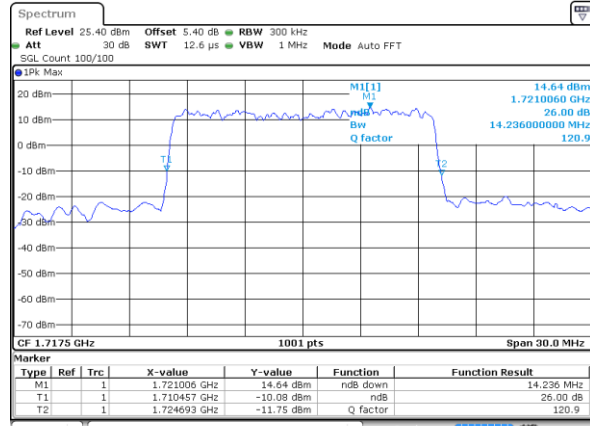


LTE Band 4

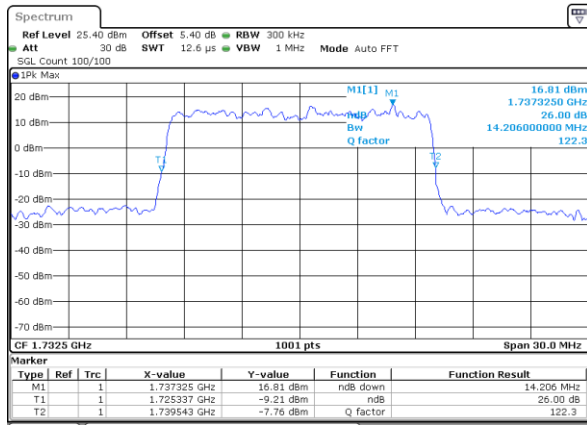
Lowest Channel / 15MHz / QPSK



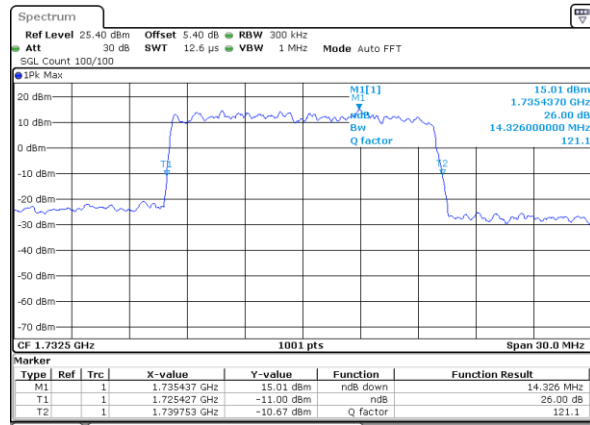
Lowest Channel / 15MHz / 16QAM



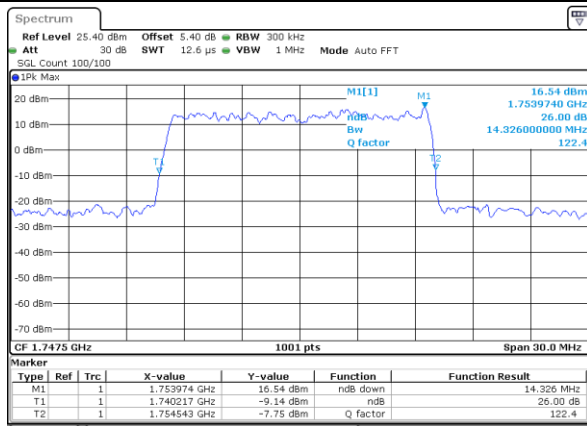
Middle Channel / 15MHz / QPSK



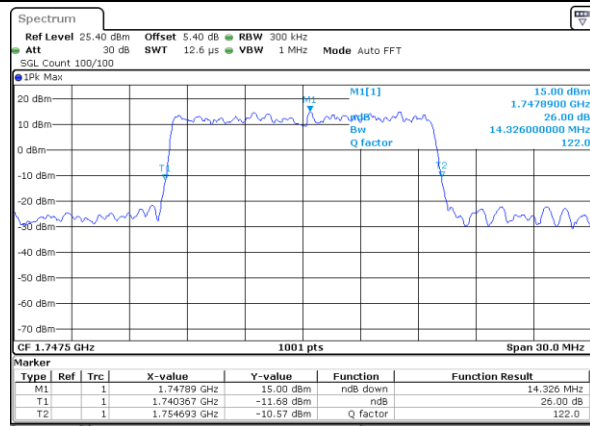
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



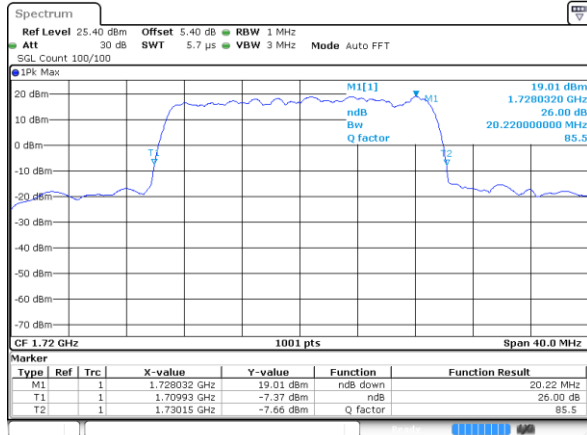
Highest Channel / 15MHz / 16QAM





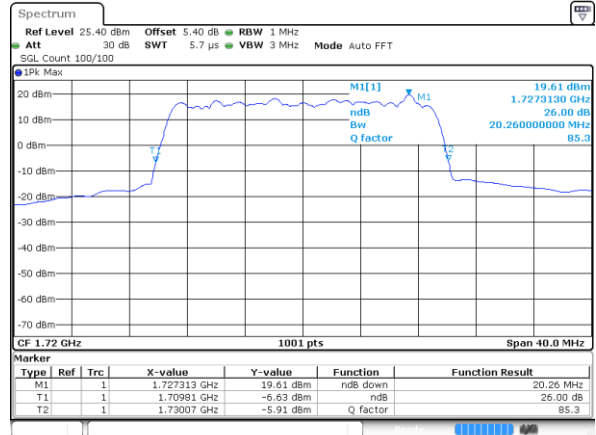
LTE Band 4

Lowest Channel / 20MHz / QPSK



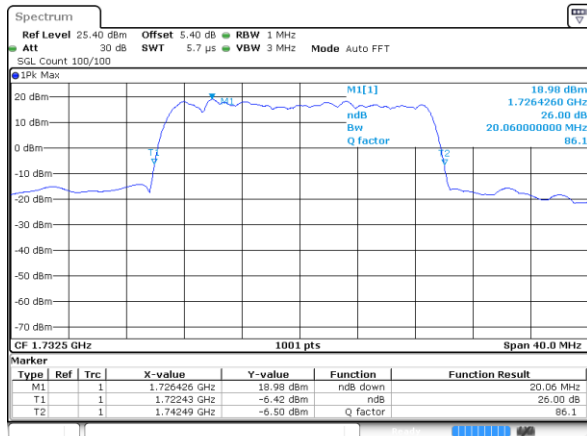
Date: 6 AUG 2019 16:42:04

Lowest Channel / 20MHz / 16QAM



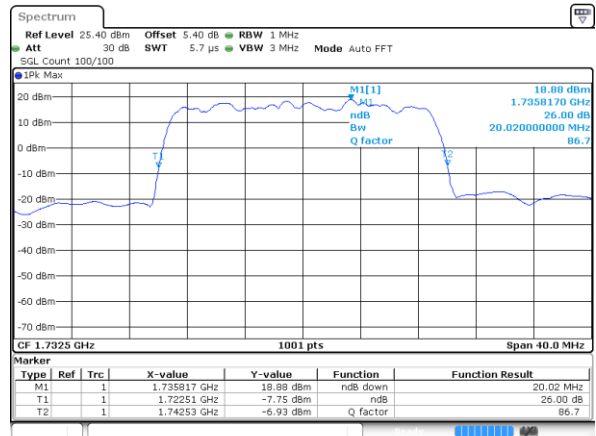
Date: 6 AUG 2019 16:42:24

Middle Channel / 20MHz / QPSK



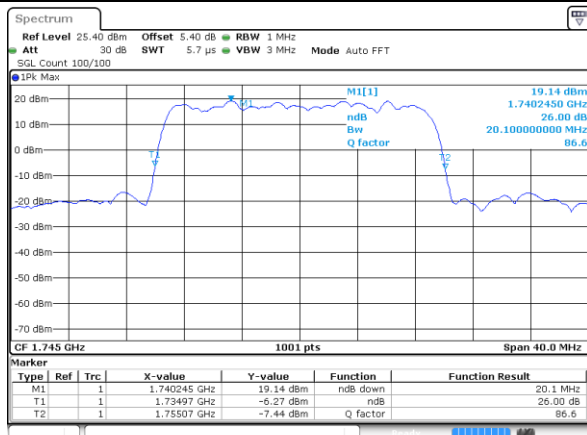
Date: 6 AUG 2019 16:43:04

Middle Channel / 20MHz / 16QAM



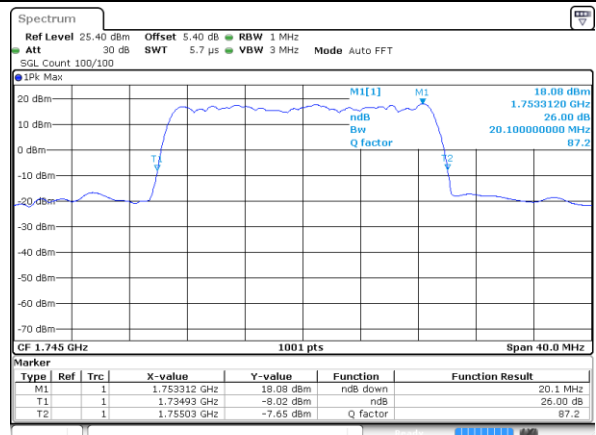
Date: 6 AUG 2019 16:43:24

Highest Channel / 20MHz / QPSK



Date: 6 AUG 2019 16:44:05

Highest Channel / 20MHz / 16QAM

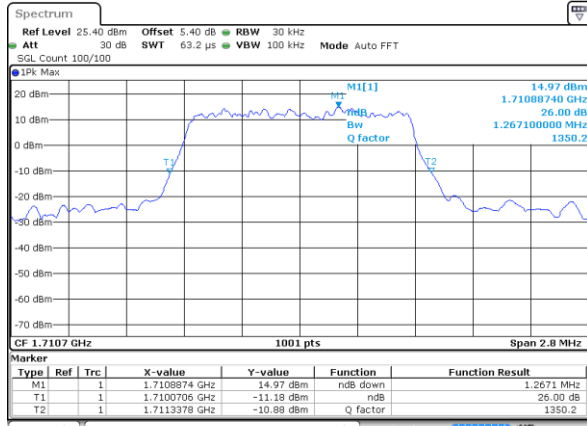


Date: 6 AUG 2019 16:44:25

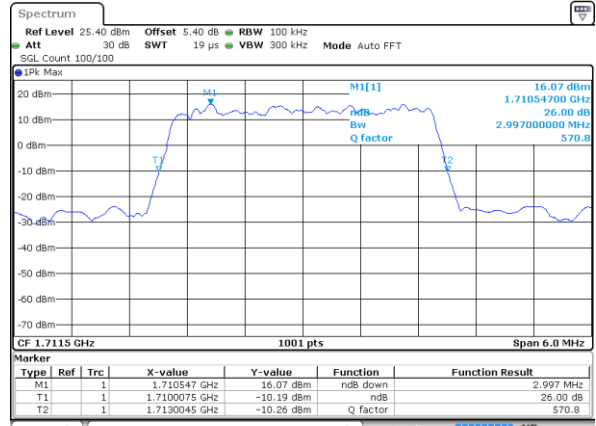


LTE Band 4

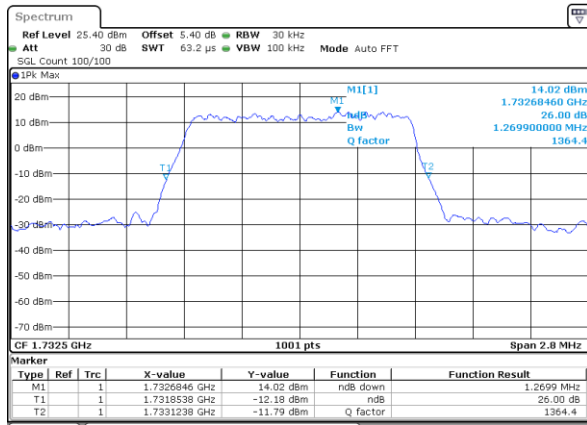
Lowest Channel / 1.4MHz / 64QAM



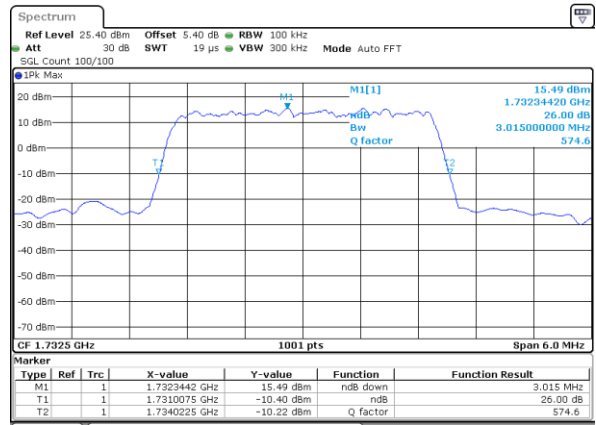
Lowest Channel / 3MHz / 64QAM



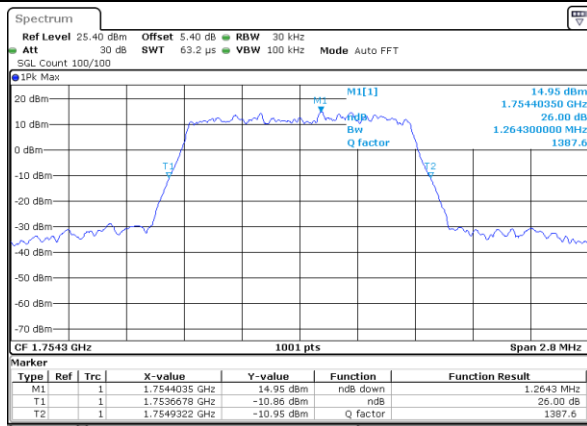
Middle Channel / 1.4MHz / 64QAM



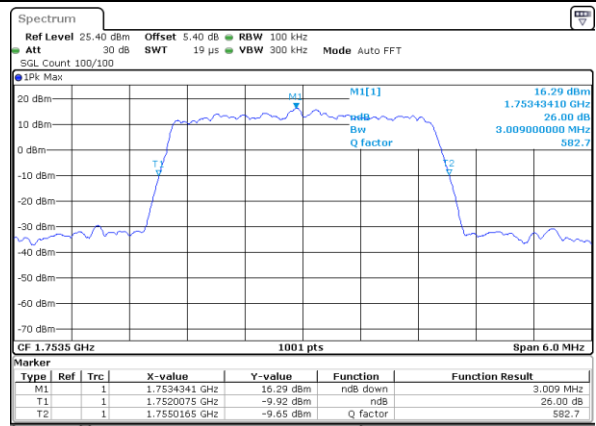
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



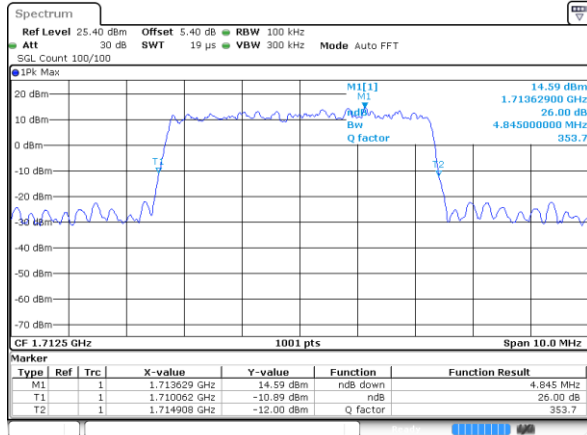
Highest Channel / 3MHz / 64QAM



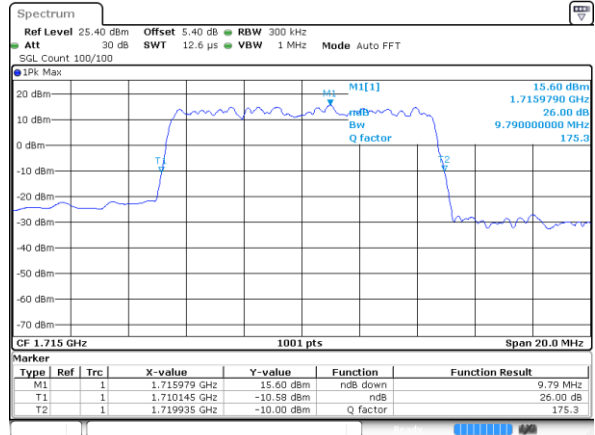


LTE Band 4

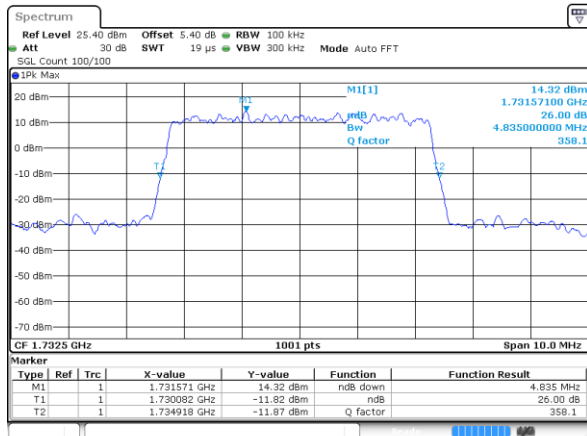
Lowest Channel / 5MHz / 64QAM



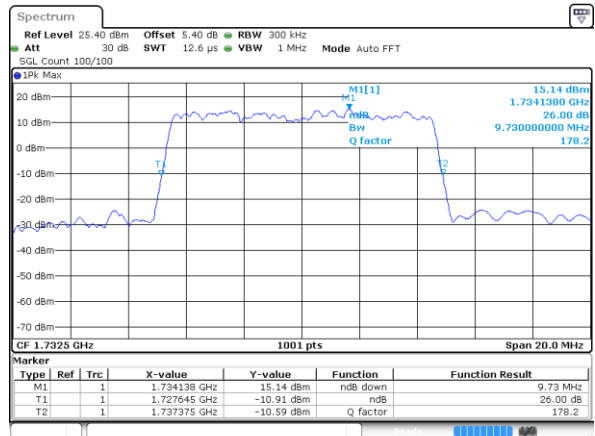
Lowest Channel / 10MHz / 64QAM



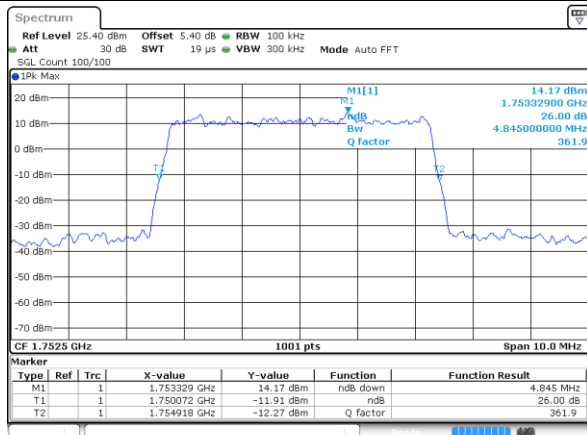
Middle Channel / 5MHz / 64QAM



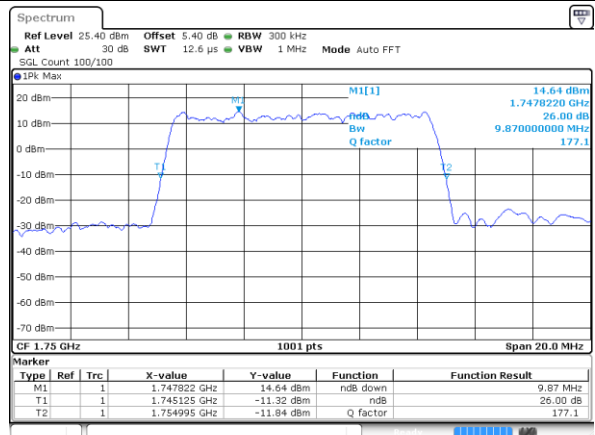
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



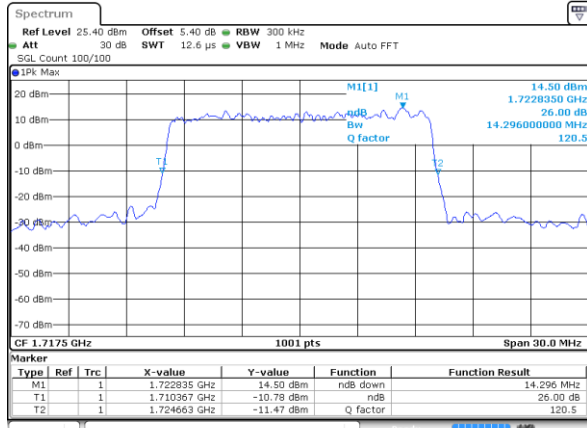
Highest Channel / 10MHz / 64QAM





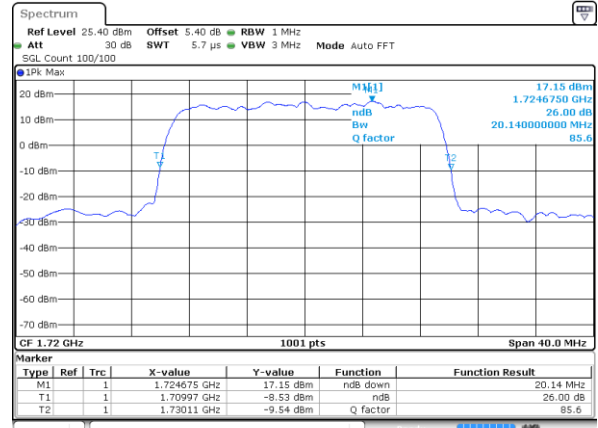
LTE Band 4

Lowest Channel / 15MHz / 64QAM



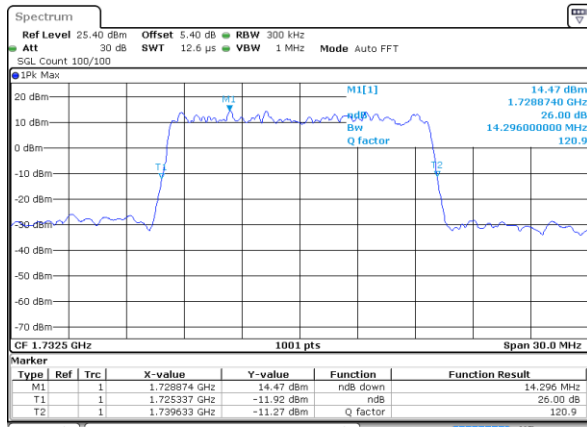
Date: 6 AUG 2019 15:43:17

Lowest Channel / 20MHz / 64QAM



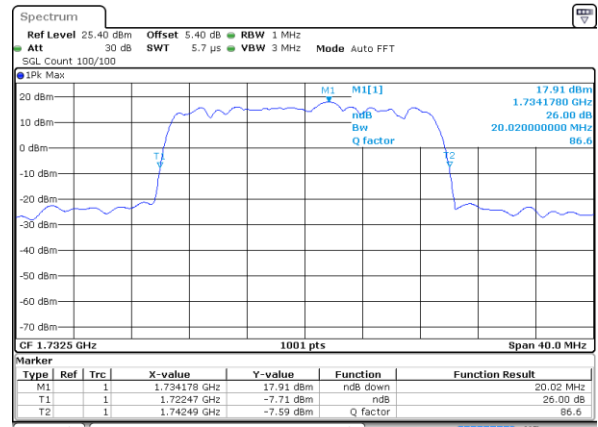
Date: 6 AUG 2019 16:42:44

Middle Channel / 15MHz / 64QAM



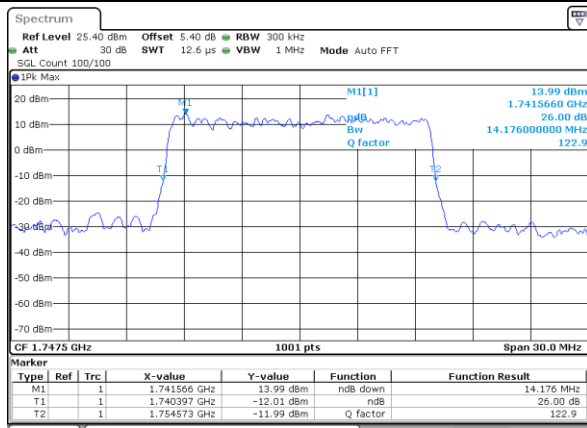
Date: 6 AUG 2019 15:44:32

Middle Channel / 20MHz / 64QAM



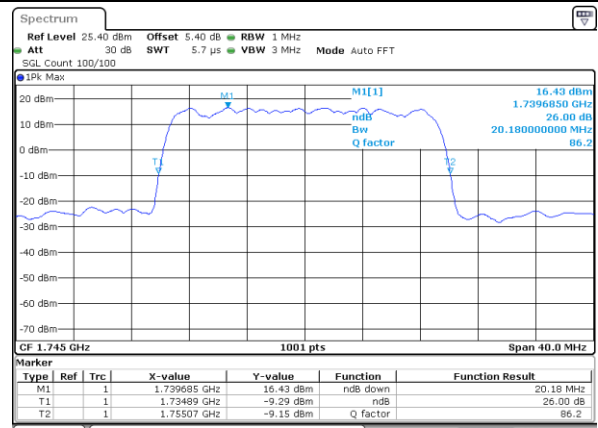
Date: 6 AUG 2019 16:43:44

Highest Channel / 15MHz / 64QAM



Date: 6 AUG 2019 15:45:47

Highest Channel / 20MHz / 64QAM

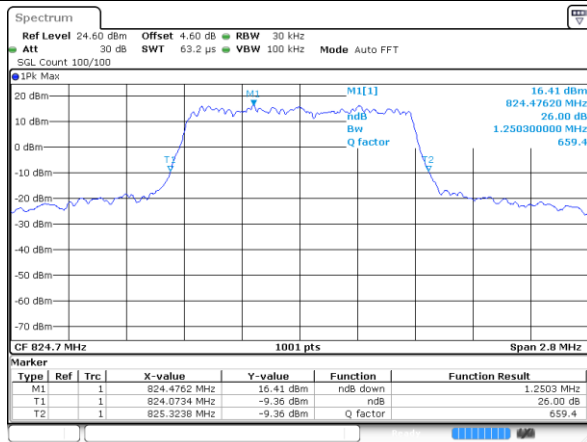


Date: 6 AUG 2019 16:44:45



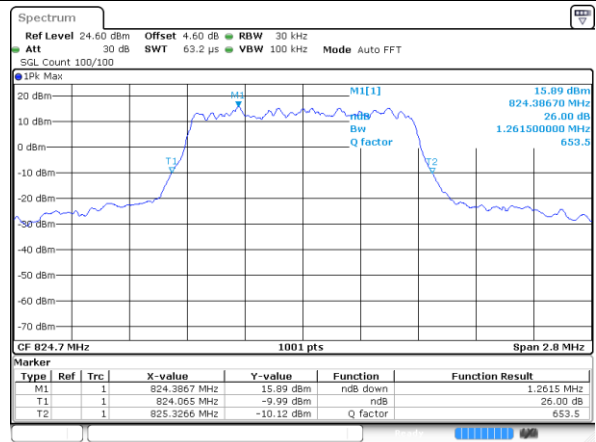
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



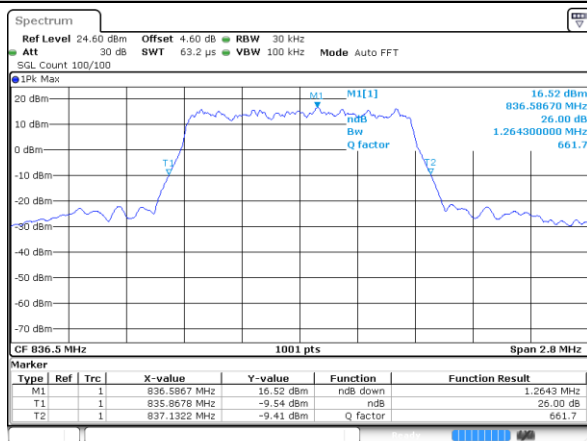
Date: 29 JUL 2019 18:55:46

Lowest Channel / 1.4MHz / 16QAM



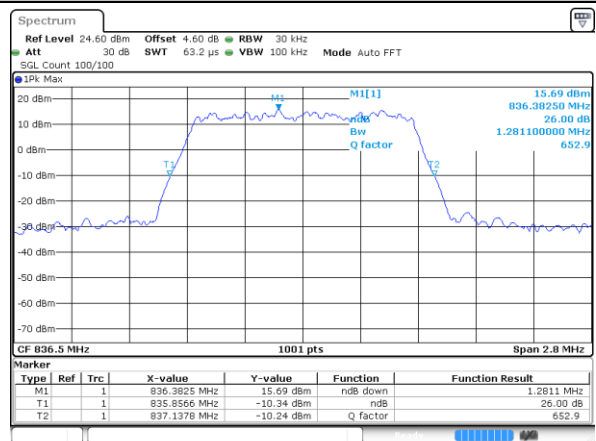
Date: 29 JUL 2019 18:55:36

Middle Channel / 1.4MHz / QPSK



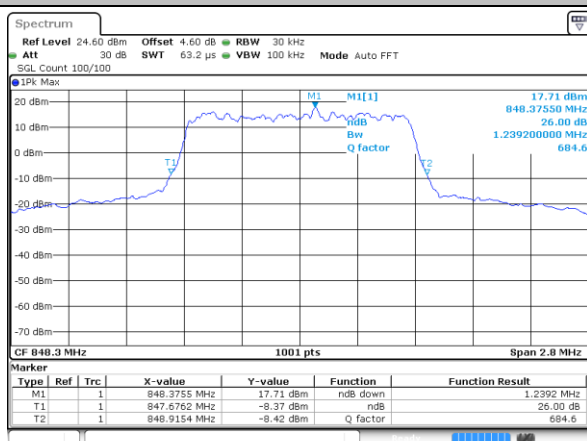
Date: 29 JUL 2019 19:04:37

Middle Channel / 1.4MHz / 16QAM



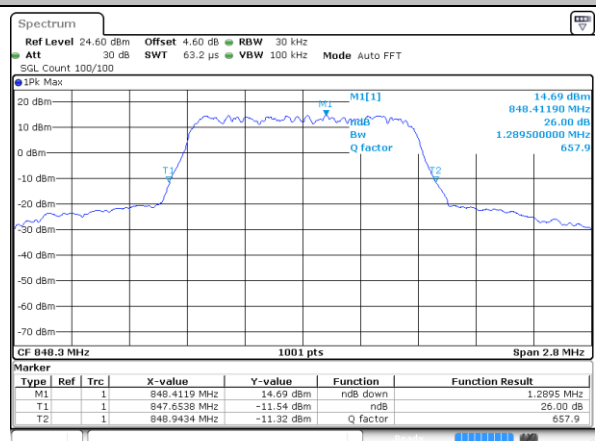
Date: 29 JUL 2019 19:04:47

Highest Channel / 1.4MHz / QPSK



Date: 29 JUL 2019 19:07:06

Highest Channel / 1.4MHz / 16QAM

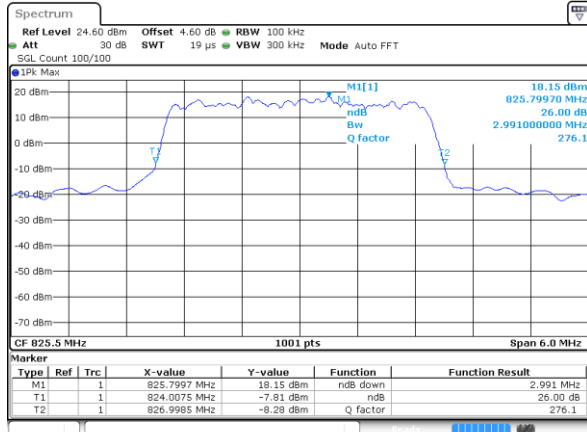


Date: 29 JUL 2019 19:07:16



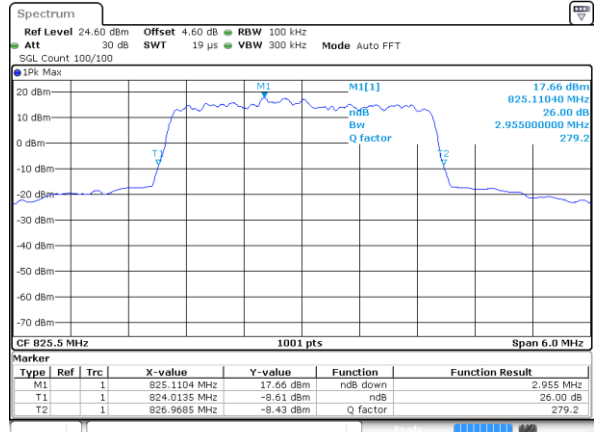
LTE Band 5

Lowest Channel / 3MHz / QPSK



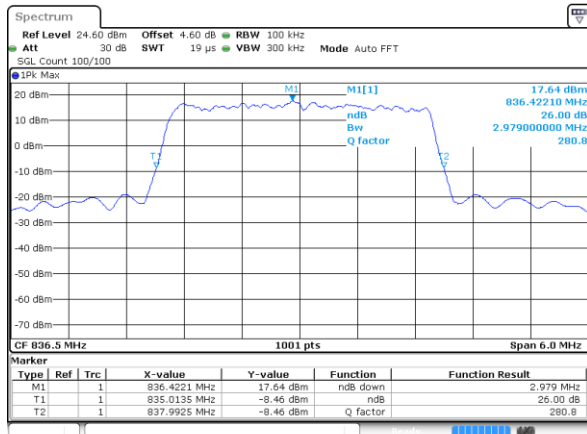
Date: 29 JUL 2019 19:16:06

Lowest Channel / 3MHz / 16QAM



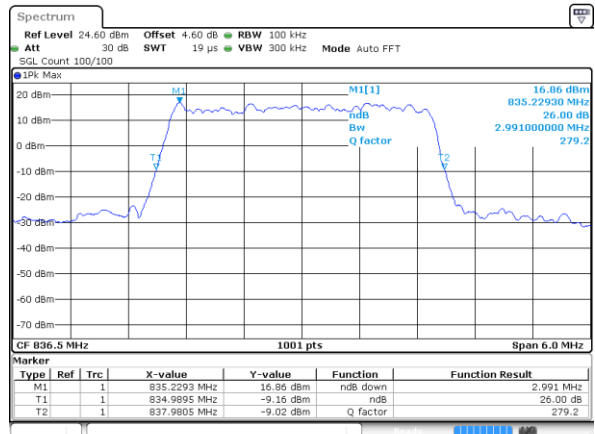
Date: 29 JUL 2019 19:16:16

Middle Channel / 3MHz / QPSK



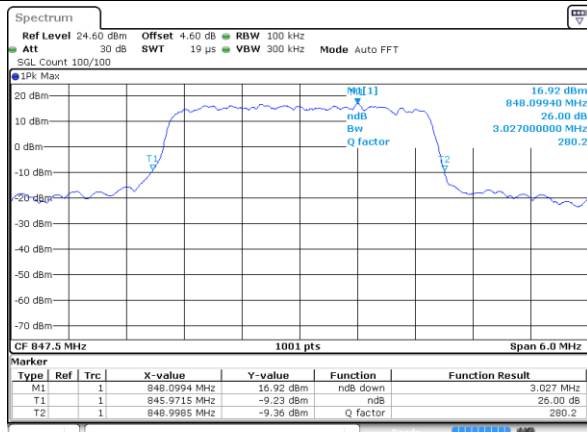
Date: 29 JUL 2019 19:25:05

Middle Channel / 3MHz / 16QAM



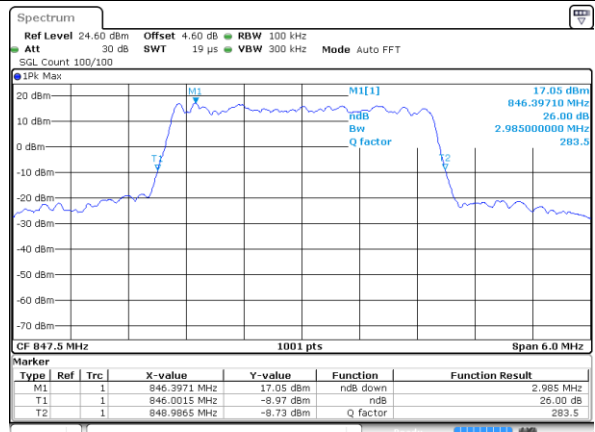
Date: 29 JUL 2019 19:25:15

Highest Channel / 3MHz / QPSK



Date: 29 JUL 2019 19:27:35

Highest Channel / 3MHz / 16QAM

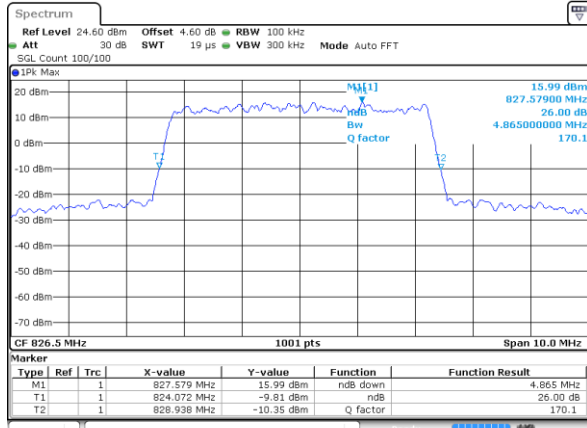


Date: 29 JUL 2019 19:27:45

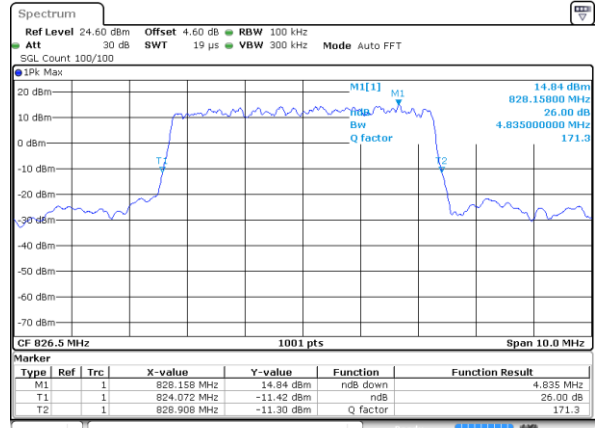


LTE Band 5

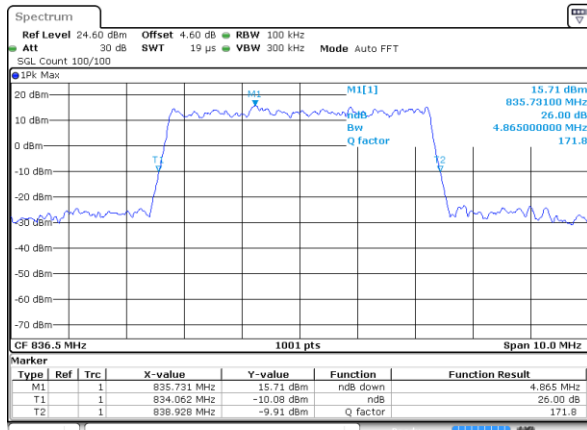
Lowest Channel / 5MHz / QPSK



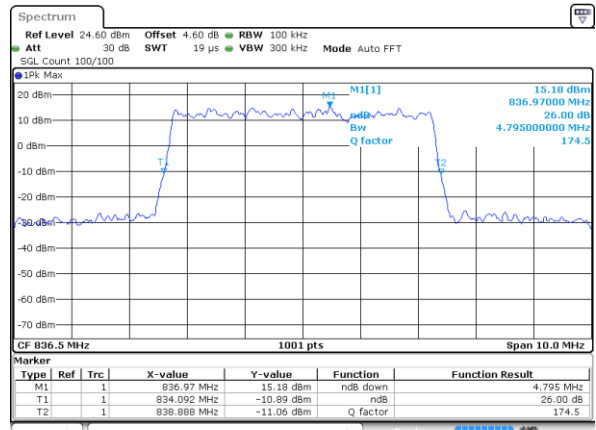
Lowest Channel / 5MHz / 16QAM



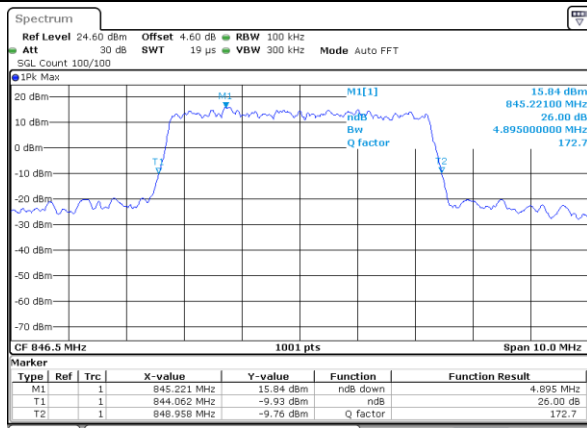
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

